



# Safety Rail Source®

## NEXTGEN CONTINUOUS RAILING™

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### **SPECIFICATIONS**

#### **SECTION 05720**

#### **NEXTGEN CONTINUOUS ROOF EDGE RAILING SYSTEM, OSHA COMPLIANT - GALVANIZED**

#### **PART 1 - GENERAL**

##### 1.01 SUMMARY

Provide and install freestanding NEXTGEN CONTINUOUS ROOF EDGE RAILING SYSTEM, including pipe railings, uprights, free standing bases, fittings, and delivery to site.

Reference: OSHA Standard 1910.28 and applicable state, local and regional codes.

##### 1.02 WORK INCLUDED

Include all labor, materials, equipment, transportation, and services required to complete the installation of the roof accessories as shown on the drawings and/or herein specified.

##### 1.03 SUBMITTALS

1. Shop drawing: Indicate profiles, sizes, connections, size and type of fasteners and accessories.
2. Field Measurements: Verify field measurements prior to ordering material.

##### 1.04 DESIGN REQUIREMENTS

1. Railing shall consist of top rails, mid rails, uprights, bases, and connections.
2. All pipe connections to be NEXTGEN structural pipe fittings manufactured to the requirements of ASTM A47-77-32510.
3. Railing assembly to resist lateral force of 200 lbs. at any point without damage and tipping. Test in accordance with OSHA Regulation 29 CFR 1910.28.

#### **PART 2 - MATERIALS**

##### 2.01 DISTRIBUTOR

Safety Rail Source, Norristown, PA.

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### SPECIFICATIONS

2.02 Furnish and install freestanding NEXTGEN CONTINUOUS ROOF EDGE RAILING SYSTEM following the layout provided by the manufacturer. System shall be a weighted guardrail system with 42" minimum height to provide a pedestrian egress barrier on the roof. System shall withstand a minimum load of 200 lbs. in any direction to all components per OSHA Regulation 29 CFR 1910.28.

#### Components:

1. Pipe: ASTM A53 1.66-inch 14-gauge tube, galvanized. Optional TS22 coating available with color specific to clients request.
2. Rails and Posts: 1.66-inch diameter 14-gauge tube steel pipe, galvanized. Optional TS22 coating available with color specific to clients request.
3. NEXTGEN fittings: elbows, crossovers, wall flanges, tees, couplings to be galvanized.
4. Mounting Bases: 58 lb. Galvanized. Optional TS22 coating available with color specific to clients request.
5. Bases to have a factory installed neoprene rubber pad fastened to the base edges.

#### Finish:

6. Handrails, mid-rails, uprights, and bases shall be galvanized to the requirements of ASTM A53. Optional TS22 coating available with color specific to clients request.

#### Assembly

1. Fit and shop assemble components in largest practical sizes for delivery to site.
2. Upright tops shall be plugged with weather and light resistant material.
3. Assemble components with joints tightly fitted and secured.
4. Accurately form components to suit installation.

### **PART III EXECUTION**

#### 3.01 INSTALLATION

1. For all connections with NEXTGEN fittings, each set screw is to be tightened to 29 foot-pounds of torque.
2. Placement of uprights and bases to meet manufacturer specifications as stated in the NEXTGEN Installation Instructions.
3. Terminate the run as stated in the NEXTGEN Installation Instructions.

END OF SECTION