

**SECTION 077200
ROOF ACCESSORIES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fall Protection Anchors
- B. Roof hatches with access ladders.

C. Not Used.



1.02 REFERENCE STANDARDS

- A. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.
- B. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2023.

1.03 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used.
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
 - 4. Maintenance requirements.
- B. Shop Drawings: Submit detailed layout developed for this project and provide dimensioned location and number for each type of roof accessory.
- C. Fall Protection Devices: Test Reports and Certifications showing compliance with ANSI and OSHA requirements, installation, use, and maintenance instructions, and inspection log..

PART 2 PRODUCTS

2.01 ROOF HATCHES AND VENTS

A. Ridge Vents: Not Used.



- B. Flat Roof Access Hatches with Ladder: Factory-assembled roof hatch with PVC frame and flat cover and folding metal access ladder, complete with operating and release hardware.
 - 1. Mounting: Provide frames and insulated curbs suitable for mounting conditions as indicated on drawings.
 - 2. Thermally Broken Hatches: Provide insulation within hatch frame and cover.
 - 3. Folding Ladder Access: Triple section ladder, upper roof hatch door with PVC frame and lower insulated door with wood box to enclose and support ladder; 23-1/2 by 47 inches rough opening.
 - a. Ladder Room Height Range: 91-3/4 to 110-1/4 inches, nominal.

2.02 ROOFTOP SUPPORTS/ASSEMBLIES

- A. Rooftop Support/Assemblies: Manufacturer-engineered and factory-fabricated assemblies.
 - 1. Design Loadings and Configurations: As required by applicable codes.
- B. Fall Prevention Anchors
 - 1. Provide components and system in compliance with:
 - a. OSHA 1926.502.
 - b. OSHA 1910.140.
 - c. ANIS/ISEA 125-2014.
 - 2. Standing Seam Roof Clamp
 - 3. Basis of Design: Guardian # 00250 with two roof clamps, telescoping crosstube, and pivoting stanchion for SRL installation, compatible with specified standing seam metal roof.
 - 4. 5,000 pound ultimate load.
 - 5. User Weight including all clothing and equipment: 130-310 pounds.
 - 6. Steel Components: Stainless steel, or carbon steel hot-dip galvanized after fabrication in accordance with ASTM A123/A123M.
 - 7. Hardware, Bolts, Nuts, and Washers: Stainless steel, or carbon steel hot-dip galvanized after fabrication in accordance with ASTM A153/A153M.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions, in manner that maintains roofing system weather-tight integrity.
- B. Fall protection anchors: Provide four standing seam roof clamps and turn over to Owner with full instructions, logs, and test reports.

C. Ridge Vents: Not used.



END OF SECTION

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