
SECTION 07 72 00
ROOF ACCESSORIES**PART 1 GENERAL****1.1 SECTION INCLUDES**

- A. Roof hatches.

1.2 RELATED REQUIREMENTS

- A. Section 05 31 00 - Steel Decking.
- B. Section 07 53 00 - Elastomeric Membrane Roofing.

1.3 REFERENCE STANDARDS

- A. 29 CFR 1910.23 - Ladders Current Edition.
- B. 29 CFR 1910.29 - Fall Protection Systems and Falling Object Protection - Criteria and Practices Current Edition.
- C. ASTM A792/A792M - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process 2022.
- D. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes 2021.
- E. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric) 2021.

1.4 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. 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.
- C. Shop Drawings: Submit detailed layout developed for this project and provide dimensioned location and number for each type of roof accessory.
 - 1. Snow Guards: Submit design calculations for loadings and spacings based on manufacturer testing.
- D. Warranty Documentation:
 - 1. Submit manufacturer warranty.
 - 2. Ensure that forms have been completed in Owner's name and registered with manufacturer.
 - 3. Submit documentation that roof accessories are acceptable to roofing manufacturer, and do not limit the roofing warranty.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store products under cover and elevated above grade.

1.6 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

PART 2 PRODUCTS**2.1 ROOF HATCHES AND VENTS**

- A. Basis of Design Roof Hatch Manufacturer: Bilco Company; Type F-50: www.bilco.com/#sle.
- B. Other Acceptable Manufacturers: Provide comparable products meeting project requirements and basis of design.
 - 1. Babcock-Davis: www.babcockdavis.com/#sle.
 - 2. Milcor, Inc: www.milcorinc.com/#sle.
 - 3. Precision Ladders, LLC: www.precisionladders.com/#sle.
 - 4. Material: Mill finished aluminum, 11 gauge, 0.0907 inch thick.
 - 5. Insulation: Manufacturer's standard; 1 inch rigid glass fiber, located on outside face of curb.
 - 6. Curb Height: 12 inches from finished surface of roof, minimum.
- C. Metal Covers: Flush, insulated, hollow metal construction.
 - 1. Capable of supporting 40 psf live load.
 - 2. Material: Mill finished aluminum; outer cover 11 gauge, 0.0907 inch thick, liner 0.04 inch thick.
 - 3. Insulation: Manufacturer's standard 1 inch rigid glass fiber.
 - 4. Gasket: Neoprene, continuous around cover perimeter.
- D. Safety Railing System: Roof hatch manufacturer's standard accessory safety rail system mounted directly to curb.
 - 1. Railing: Comply with 29 CFR 1910.23 for ladder safety, with a safety factor of two.
 - 2. Self-Closing Gate: Comply with 29 CFR 1910.29 for safe egress and fall protection through hatch opening.
 - 3. Posts and Rails: Aluminum tubing.
 - 4. Gate: Same material as railing; automatic closing with latch.
 - 5. Finish: Manufacturer's standard, factory applied finish, powder coated.
 - 6. Mounting Brackets: Curb mounting and teardrop brackets to be 6063 T5 aluminum.
 - 7. Fasteners: Stainless steel, Type 316.
 - 8. Basis of Design:
 - a. BILCO Company; Bil-Guard 2.0: www.bilco.com/#sle.
 - 9. Lifting Mechanisms: Compression or torsion spring operator with shock absorbers that automatically opens upon release of latch; capable of lifting covers despite 10 psf load.
 - 10. Hinges: Heavy duty pintle type.
 - 11. Hold open arm with vinyl-coated handle for manual release.
 - 12. Latch: Upon closing, engage latch automatically and reset manual release.
 - 13. Manual Release: Pull handle on interior.

PART 3 EXECUTION**3.1 EXAMINATION**

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.

- B. Prepare surfaces using methods recommended by manufacturer for achieving acceptable results for applicable substrate under project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions, in manner that maintains roofing system weather-tight integrity.

3.4 CLEANING

- A. Clean installed work to like-new condition.

3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

END OF SECTION 07 72 00