

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

SECTION 07 71 00 - ROOF HATCHES

**PART 1 GENERAL**

1.1 SECTION INCLUDES

- A. Prefabricated roof hatches with integral support curbs, operable hardware, and counter flashings.

1.2 RELATED SECTIONS

- A. Installation
- B. Painting
- C. Padlocks

1.3 REFERENCES

- A. Underwriters Laboratories (UL) - Fire Hazard Classifications.
- B. Factory Mutual Engineering Corporation (FM) - Roof Assembly Classifications.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 10 00.
- B. Shop Drawings: Submit edited product data or shop drawings, or a combination thereof, as required to accurately describe products to be provided. Show elevations, field measurements, reinforcement, anchorage, expansion provisions, installation accessories and detail sections of composite numbers.
- C. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

1.5 QUALITY ASSURANCE

- A. Perform work in accordance with reference documents.
- B. Maintain one copy of each installation related reference document, on site.

1.6 QUALIFICATIONS

- A. Fabricator: A company specializing in the manufacture of the items specified in this Section, with a minimum of 10 years documented experience.

1.7 COORDINATION

- A. Coordinate this work with other related Sections of Work.

1.8 WARRANTY

- A. In accordance with the General Conditions of the Construction Contract.

**PART 2 PRODUCTS**

2.1 UNITS

- A. Prefabricated units, of series, size, etc., as called for; as manufactured by The BILCO Company, or an approved alternate.

2.2 MATERIALS

- A. Weathertight, galvanized steel, including integral curb, with paint bond primer at all exposed surfaces.

- B. Neoprene gasketed cover.

## 2.3 FABRICATION

- A. All work shall be fabricated in accordance with reviewed shop drawings; review of shop drawings, by the Office of the Contractor, shall be for design intent only.
  - 1. Review of shop drawings shall not relieve the Manufacturer of his responsibility for correct fabrication as designed.
- B. Curbs: Double metal faced, enclosing a minimum of 1" of rigid insulation; 9" minimum height with integral, pre-drilled, metal flanges for mounting.
  - 1. If flanges are light gauge, subject to flexing or "crinkling", the manufacturer shall provide extra flat metal cover strips; the intent is to protect the membrane roofing from cutting or tearing.
- C. Lids: Double metal faced, enclosing a minimum of 1" rigid insulation; heavy duty pintle hinges, spring operators, positive snap latch with interior lift handle, automatic hold-open device, and interior padlock hasp.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Verify that field conditions are acceptable and are ready to receive work. Ensure that dimensions agree with drawings.
- B. Special attention shall be given to verification of roof deck openings, anchoring framing, etc

### 3.2 INSTALLATION

- A. All work shall be installed in accordance with reviewed shop drawings; review of shop drawing, by the Office of the Contractor, shall be for design intent only.
  - 1. Review of shop drawings shall not relieve the subcontractor of his responsibility for correct installation as called for.
- B. Care must be exercised to protect item finish, and to prevent damage to adjacent surfaces.
- C. Units shall be tested, and adjusted as required, for smooth and proper operation and latching.

### 3.3 FINISH

- A. After installation, areas where prime coat has been damaged shall be touched up.

## PART 4 COMPLETION

### 4.1 CLEANUP

- A. All work shall be left clean and undamaged, ready for finish, as appropriate, under Separate Section.
- B. Refer to pertinent portions of Section 01 10 00.

**END OF SECTION**