

## ROOF HATCH RAIL SYSTEM SPECIFICATION

### I. PART ONE - GENERAL

#### 1.01 SUMMARY

- A. Work included: Furnishing and installing factory fabricated roof hatch rail system
- B. Related Work: [Insert applicable specifications sections]

#### 1.02 REFERENCES

- A. American Society for Testing and Materials (ASTM), 100 Bar Harbor Drive, West Conshocken, PA 19428-2959; (610) 832-9585, fax (610) 832-9555
  - 1. ASTM A123
- B. Occupational Safety & Health Administration (OSHA), 200 Constitution Avenue NW, Washington, DC 20210
  - 1. 29 CFR 1910.23 Fall Protection in General Industry

#### 1.03 SUBMITTALS

- A. Product Data: Provide manufacturer's product data for all materials in this specification.
- B. Shop Drawings: Show profiles, accessories, location, and dimensions.
- C. Samples: Manufacturer to provide upon request; sized to represent material adequately.
- D. Contract Closeout: Roof hatch rail system manufacturer shall provide the manufacturer's Warranty prior to the contract closeout [if applicable].

#### 1.04 PRODUCT HANDLING

- A. All materials shall be delivered in manufacturer's original packaging.
- B. Store materials in a dry, protected, well-vented area. The contractor shall thoroughly inspect product upon receipt and report damaged material immediately to delivering carrier and note such damage on the carrier's freight bill of lading.
- C. Remove protective wrapping immediately after installation [if applicable].

#### 1.05 SUBSTITUTIONS

- A. Proposals for substitution products shall be accepted only from bidding contractors and not less than (10) working days **before** bid due date. Contractor guarantees that proposed substitution shall meet the performance and quality standards of this specification.

#### 1.06 JOB CONDITIONS

- A. Verify that other trades with related work are complete before installing roof hatch rail system(s).
- B. Mounting surfaces shall be straight and secure; substrates shall be of proper width.
- C. Refer to the construction documents, shop drawings, and manufacturer's installation instructions.
- D. Observe all appropriate OSHA safety guidelines for this work.

#### 1.07 WARRANTY/GUARANTEES

- A. Manufacturer's standard warranty: Materials shall be free of defects in material and workmanship for a period of twenty-five years from the date of purchase. Should a part fail to function in normal use within this period, manufacturer shall furnish a new part at no charge. Electrical motors, special finishes, and other special equipment (if applicable) shall be warranted separately by the manufacturers of those products.

## II. PART TWO - PRODUCTS

### 2.01 MANUFACTURER

- A. The BILCO Company, P.O. Box 1203, New Haven, CT 06505  
1-203-934-6363, Fax: 1-203-933-8478  
Internet address: <http://www.bilco.com>  
For local representative, contact: Sweet's Buyline 1-800-892-1165 (#0032, #0034)

### 2.02 HATCH RAIL SYSTEM

- A. Furnish and install where indicated on plans hatch rail system Model [insert RL-S; RL-NB; RL-L; RL-E; RL-F]. The hatch rail system shall be field assembled and installed (by others) per the manufacturer's instructions.
- B. Performance characteristics:
  - 1. High visibility safety yellow color shall be molded in.
  - 2. Hatch rail system shall attach to the capflashing of the roof hatch and shall not penetrate any roofing material.
  - 3. Hatch rail system shall satisfy the requirements of OSHA 29 CFR 1910.23 and shall meet OSHA strength requirements with a factor of safety of two.
  - 4. UV and corrosion resistant construction with a twenty-five year warranty.
  - 5. Self-closing gate shall be provided with hatch rail system.
- C. Posts and Rails: Shall be round pultruded reinforced fire retardant yellow fiberglass treated with a UV inhibitor.
- D. Hardware: Mounting brackets shall be 1/4" thick hot dip galvanized steel. Hinges and post guides shall be 6063T5 aluminum. Fasteners shall be Type 316 stainless steel.

## III. PART THREE - EXECUTION

### 3.01 INSPECTION

- A. Verify that hatch rail system installation will not disrupt other trades. Report and correct defects prior to any installation.

### 3.02 INSTALLATION

- A. Submit product design drawings for review and approval to the architect or specifier before fabrication.
- B. The installer shall check as-built conditions and verify the manufacturer's hatch rail system details for accuracy to fit the application prior to fabrication. The installer shall comply with the ladder safety post manufacturer's installation instructions.
- C. The manufacturer shall furnish fasteners necessary for installing hatch rail system on hatch.

END OF SECTION 05515, 07720