

# Rooftop Safety Hatch - Saf-T-Hatch - Guide Specifications

Section 07 72 00

(1995 - 07725)

## PART 1 – GENERAL

### 1.01 SECTION INCLUDES:

- A. The work of this section consists of the furnishing of all labor, equipment, materials and devices required in conjunction with the installation of Saf-T-Hatch.
- B. Manufacturer must supply engineering and testing under section 1910.23 and 1910.27 of OSHA Standards.
- C. Manufacturer must supply a letter from the roofing manufacturer that the system to be installed will not void the roof warranty.

### 1.02 RELATED SECTIONS:

- A. Division 5 – Metals Section
- B. Division 7 – Roofing Division
- C. Division 10 – Safety Equipment

### 1.03 REFERENCES:

- A. American Society for Testing and Materials (ASTM):
  - 1. A 123-89a Zinc (Hot-Dip Galvanized) Coating on Iron and Steel Products.
  - 2. A 153-82 Zinc Coating (Hot-Dip) Steel and Iron Hardware.
  - 3. A 167-92b Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet and Plate.
  - 4. A 570-92 Steel, Sheet and Strip, Carbon, Hot-Rolled, Structural Quality.
  - 5. G23-88 Plastic UV Aging.
- B. The Occupational Safety and Health Administration (OSHA) Standards1. OSHA regulation Title 29 of 1910.232. OSHA regulation Title 29 of 1910.27
- C. National Roofing Contractor's Association (NRCA): NRCA Roofing and Waterproofing Manual, current edition.
- D. Sheet Metal and Air Conditioning Contractor's Association, Inc. (SMACNA): Architectural Sheet Metal Manual, current edition.

### 1.04 SUBMITTALS:

- A. Product Data: Submit manufacturer's product data sheets. Including installation instructions for each fabricated unit.
- B. Manufacturer must supply engineering and testing under section 1910.23 and 1910.27 of OSHA Standards.
- C. Manufacturer must supply a letter from the roofing manufacturer that the system to be installed will not void the roof warranty.

### 1.05 QUALITY CONTROL:

- A. The Manufacturer or his representative on request will inspect the completed installation and report in writing that the design requirements meet with the Manufacture's approval.

### 1.06 WARRANTY:

- A. The Product Manufacturer shall provide a full system material warranty necessary to cover all cost of repairs and/ or replacement of all components of the system against defects in manufacturing for the period of seven years. Warranty will include Acts of God, vandalism, neglect, metal finish or improper installation.

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## Part 2 – PRODUCTS:

### 2.01 MANUFACTURER:

- A. The Saf-T-Hatch system shall be manufactured JL Industries, 4450 W. 78<sup>th</sup> St Ci, Bloomington MN 55435. 1-800-554-6077. [JI@jlindustries.com](mailto:JI@jlindustries.com). [www.jlindustries.com](http://www.jlindustries.com).

### 2.02 MATERIALS:

- A. Pipe: 1 5/8" OD A53 Grade B seamed steel.
- B. Finish Pre-Galvanized Zinc coated Galvanized pipe (ASTM. A653).

- C. Chain: Zinc plated 3/16" ASTM proof coil with hoop and rings as required.
- D. Accessories: Zinc plated threaded rods, caps, nuts, bolts and washers.
- E. Railing Caps: JL manufactured models AIS 2-7, 6-7, 18-7, 20-7 and 28-7 or as required.

#### 2.03 RELATED PRODUCTS:

- A. Compression Gasket 3/4" Dow Chemical Co. Styrofoam

#### 2.04 MODELS:

##### A. Saf-T-Hatch

1. STH3630-F and STH3630-S Model STH3630-F used on standard 2'6" x 3' roof hatch with a front discharge and rear hinge. Model STH3630-S used on standard 2'6" x 3' roof hatch with a side discharge and rear hinge.
2. STH3054-L and STH3054-R Model STH3054-L used on standard 2'6" x 4'6" roof hatch with a left side discharge and rear hinge. Model STH3054-R used on standard 2'6" x 4'6" roof hatch with a right side discharge and rear hinge.
3. STH4848-F Model STH4848-F used on standard 48" x 48" roof hatch with a front discharge and rear hinge.
4. STH4848-Rail Model STH4848 used on standard 48" x 48" fire vent or roof opening.
5. STH4896-L and STH4896-R Model STH4896-L used on standard 48" x 96" roof hatch with a left side discharge and rear hinge. Model STH4896-R used on standard 48" x 96" roof hatch with a right side discharge and rear hinge.
6. Saf-T-Hatch systems can be used on hatch, skylights, and fire vents, sizes to fit all roof openings

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#### PART 3 – EXECUTION:

##### 3.01 PREPARATION:

- A. Verify that substrate is smooth and clean to extent needed to receive work.
- B. Review approved shop drawings for locations of guard-rail system.
- C. Paint and or repair all mechanical hatch parts and flashings as needed or required.
- D. Make any roof related repairs or replacement to base flashing before installing new guard-rail system, use only materials recommended by the roofing manufacturer.

##### 3.02 INSTALLATION:

- A. Field customize to fit existing condition or as specified herein.
- B. Set curb framing gasket around roof opening, tighten to fit opening.
- C. Add the four corner posts into receiver and bolt to frame.
- D. Install cross rails into preset clamps and adjust with wrench.
- E. Add chain or gate as specified by manufacturer.