

3 PART SPECIFICATION:

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 RoofTop Hatch Safety Guard-Rail.
- B. 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.

Part 2 – PRODUCTS:

2.01 MANUFACTURER:

- A. The RoofTop Hatch Safety Guard-Rail system shall be manufactured by RoofTop Accessories P.O. Box 1671 Tomball, Texas 77377 phone 866.536.5506 fax 281.516.9002 www.rooftopaccessories.com

2.02 MATERIALS:

- A. Pipe: 1 5/8" OD A53 Grade B seamed steel.
- B. Painted Finish Silver gray painted galvanized finish.
- C. Safety Finish: Safety yellow powder coated.
- D. Chain: Zinc plated 3/16" ASTM proof coil with hoop and rings as required.
- E. Accessories: Zinc plated threaded rods, caps, nuts, bolts and washers.
- F. Railing Camps: RoofTop Accessories manufactured models RTA 02, 03, 31, 32, 34 and 40G or as required.

2.03 RELATED PRODUCTS:

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

2.04 MODELS:

A.	Models	Net Opening
1.	3232	24" x 24"
2.	3238	24" x 30"
3.	3244	24" x 36"
4.	3838	30" x 30"
5.	3844	30" x 36"
6.	4444	36" x 36"
7.	4456	36" x 48"
8.	5656	48" x 48"
9.	3862	30" x 54"
10.	32104	24" x 96"
11.	38104	30" x 96"
12.	44104	36" x 96"
13.	G24	24" Gate
14.	G36	36" Gate

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 comer 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.