

SRC Roof Hatch HatchGuard Railing System Specifications SAFETY RAIL COMPANY

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Roof Hatch fall protection. (SRC HatchGuard Guarding System)

1.2 REFERENCES

- A. Occupational Safety & Health Administration (OSHA):
 1. 29 CFR 1910.28(b) – Duty to Have Fall Protection and Falling Object Protection
 2. 29 CFR 1910.29(b) – Fall Protection Systems and Falling Object Protection-
criteria and practices.
 3. 29 CFR 1910.23 – Walking-Working Surfaces - Fixed Ladders.
 4. 29 CFR 1926.500 - Scope, Application, Definitions Applicable to this Subpart.
 5. 29 CFR 1926.501 - Duty to Have Fall Protection.
 6. 29 CFR 1926.502 - Fall Protection Systems Criteria and Practices.
 7. 29 CFR 1926.503 - Training Requirements.
- B. California Occupational Safety & Health Administration (CAL OSHA):
 1. 1620 - Design of Temporary Railing.
 2. 1621 - Railings and Toe Boards.
 3. 1633 - Elevator Shafts to be Guarded.
 4. 3209 - Standard Guardrails.
 5. 3210 - Guardrails at Elevated Locations.
 6. 3211 - Wall Openings.
 7. 3212 - Floor Openings, Floor Holes and Roofs.
 8. 3213 - Service Pits and Yard Surface Openings.
 9. 3214 - Stair Rails and Handrails.

1.3 SUBMITTALS

- A. Manufacturer's data sheets on each product to be used, including:
 1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.

3. Installation methods.

- B. Shop Drawings: Drawings showing plans, elevations, sections and details of components.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to the job site in good condition and adequately protected against damage as handrails are a finished product.
- B. Inspect rail sections for damage before signing the receipt from the trucking company. Truck driver must note damaged goods on the bill of lading if damaged product is found.
- C. Store products in manufacturer's unopened packaging until ready for installation.
- D. Products to be palletized and labeled by roof level or designated drop zone.

1.5 PROJECT CONDITIONS

- A. Field Measurements: Where handrails and railings are indicated to fit to other construction, check actual dimensions of other construction by accurate field measurements before fabrication.

1.6 WARRANTY

- A. Warranty: Provide manufacture's one (2) year warranty.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Safety Rail Company, LLC. which is located at: 4244 Shoreline Drive, Spring Park, MN 55384; Toll Free Tel: 888-434-2720; Tel: 952-594-3508; Fax: 888-471-4931; Email: sales@safetyrailcompany.com; Web: www.safetyrailcompany.com
- B. Substitutions: Not permitted.

2.2 SYSTEMS

2.2 ROOF HATCH GUARDING:

- A. Provide Safety Rail Company roof hatch guarding including railings and self-closing gate.
 - 1. Product: SRC Roof HatchGuard, Non-Penetrating Fall Protection.
 - 2. Roof Hatch Size (W x L): 30 x 54 in (762 x 1372 mm).
 - 3. Roof Hatch Size (W x L): 30 x 96 in (762 x 2438 mm).
 - 4. Roof Hatch Size (W x L): 36 x 30 in (914 x 762 mm).
 - 5. Roof Hatch Size (W x L): 36 x 36 in (914 x 914 mm).
 - 6. Roof Hatch Size (W x L): 48 x 48 in (1219 x 1219 mm).
 - 7. Roof Hatch Size (W x L), (in / mm): _____.
 - 8. Roof Hatch Size: As Specified by Architect.
 - 9. OSHA-compliant fall protection per 29 CFR 1910.2928, CFR 1910.29, 29 CFR 1926.501(b) (4) and 29 CFR 1926.502.
 - 10. One-piece, welded design. No assembly required.
 - 11. No drilling into hatch or roof. Elastomeric tipped compression bolts are tightened against the curb of the roof hatch.
 - 12. Self-closing gate included.

13. 24 inch (610 mm) safe landing zone. Personnel can safely step out of the hatch and gain their footing, prior to engaging the gate.
14. Built-in grab bars.
15. Finish: Steel surfaces.
 - a. Hot Dip Zinc Galvanized.
 - b. Factory finished powder coat paint.
 - c. Hot Dip Zinc Galvanized and factory finished powder coat paint.
 - d. Color: None.
 - e. Color: Safety Yellow.
 - f. Color: _____.
 - g. Color: Specified by Architect.

B. Roof Hatch Protection: Provide freestanding pedestrian egress barrier system on roof, including railings, bases, and hardware.

1. Approved Product: SRC HatchGuard Rail System
2. Standards: System shall have top and mid rail in accordance with OSHA Standards - 29 CFR 1910.29 (b).
3. Structural Load: 200 lb (90.7 kg), minimum, in any direction to all components in accordance with OSHA Regulation 29 CFR 1926.502.
4. Height: 42 inches (1067 mm), nominal.
5. Railings: 2" x 14ga HR square tubing free of sharp edges and snag points with built-in grab bars for safe egress/ingress.
6. Self-closing gate included
7. Product origin: Railings and Base Castings are specified as 100% made in USA. Manufacturer must provide steel mill and foundry certificates for verification prior to shipment
8. Quality/Standards Certifications: Manufacturer must be American Welding Society Welding Certified for Welding Standards AWS D1.1 & AWS D1.3 Third party qualification documentation required prior to shipment

2.3 ACCESSORIES

A. Roof Pads: Provide the following pad under each base to protect roof membrane.

1. Approved Product: Part#150142 Roof Pad.

B. Base Mover: Provide two-wheeled steel cart to transport one base unit.

1. Approved Product: Part#400062 Safety Rail Company Base Mover

2.4 FINISHES

Finish: Hot Dip Zinc Galvanized
Factory finished powder coat paint as topcoat –Safety Yellow

Color: Safety Yellow
Specified by Architect

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

- C. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- D. Install in accordance with manufacturer's instructions.

3.4 PROTECTION

- E. Protect installed products until completion of project.
- F. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION