

SRC Permanent Safety Railing System Specifications SAFETY RAIL COMPANY

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Permanent railing system for roof edge or elevated platform fall protection. (SRC Permanent Rail)

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.

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 two (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

- A SRC Roof Edge, Elevated Platform Fall Protection: Provide permanent pedestrian barrier system, including railings, mounts and safety connector pins.
1. Approved Product: SRC Permanent Safety 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 above walking surface for floor mounted bracket. Railing height for Face and Flush Mount brackets is 48" (1219 mm). When Face or Flush Mount brackets are installed level with walking surface they will yield a railing height of 42" above walking surface.
 5. Railings: 1-5/8 inch (41 mm) O.D. hot rolled pickled electric weld tubing, free of sharp edges and snag points
 6. Mounting Style: Please Specify.

7. SRC Permanent Mount Bracket Options:
 - A. Floor Mount Bracket – bolted to floor, railings removable
 - B. Face Mount Bracket – bolted to vertical wall of pit, railings removable
 - C. Flush Mount brackets – bolted to top corner of wall or pit, railings removable
 - D. Permanent Floor Mount - railings are bolted to floor permanently.
1. Hardware: Securing pins shall be 1010 carbon steel, zinc plated and yellow chromate dipped. Pins shall consist of collared pin and latch.
2. Accessories: Toe Board Brackets – Provide brackets as manufactured by Safety Rail Company.
3. Product Origin: Railings and Bases are specified as 100% made in USA. Manufacturer must provide steel mill and foundry certificates for verification upon request.
4. Quality/Standards Certifications: Manufacturer must be American Welding Society welding qualified for Welding Standards AWS D1.1 & AWS D1.3 Third party qualification documentation required prior to shipment.

2.3 FINISHES

- A. Finish: Hot Dipped Zinc Galvanized
- B. Finish: Yellow Powder Coat, Std
- C. Color: Safety Yellow std; or match architect's sample

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

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