

SRC PARAPET WALL CLAMP-ON RAILING SYSTEM SPECIFICATION SAFETY RAIL COMPANY

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. SRC Parapet Wall Clamp-on Railing System for roof edge fall protection.

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(d) – 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 manufacturer'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 Protection: Provide clamp-on personnel barrier railing system for parapet walls on building roofs, including clamps, railings and safety connector pins.
 1. Approved Product: SRC Parapet Wall Clamp-on Railing System
 2. Select proper sized clamps to fit parapet wall width and proper railing size(s) to fit wall length and select railing finish.
 3. Standards: System shall have top and mid-rail in accordance with OSHA Standards - 29 CFR 1910.29 (b)(2). Mid rail may be exempt if parapet wall is in excess of 22" tall.
 4. Structural Load: 200 lb (90.7 kg), minimum, in any direction to all components in accordance with OSHA Regulation 29 CFR 1926.502.
 5. Height: 42 inches (1067 mm) above walking surface must be maintained for OSHA compliance.
 6. Select Parapet Clamps to fit parapet wall width. Available in three sizes (1-6" width), (6-12" width) and (12-24" width). Clamps zinc plate finish.
 7. Railings: 1.625" inch, .065W HREW tubing, free of sharp edges and snag points. Railings height can be custom cut to size at factory or field trimmed to size. Specify galvanized, powder coat safety yellow or custom RAL color to

- match building façade.
8. Optional Accu-Fit Railings: Galvanized Pipe Railings: 1-1/4 inch I.D. schedule 40 pipe, to be assembled free of sharp edges and snag points. Field trim pipes to fit application on corners or terminations.
 - a. Accu-Fit Pipe Railing Connections; Join pipe lengths together with approved galvanized splice fittings. Tighten all set screw connections to 29 ft. lbs
 - b. Accu-Fit Pipe Fitting to be galvanized cast iron fittings manufactured to the requirements of ASTM A47-77-32510
 - c. Accu-Fit Stanchions: Vertical profile, constructed of 1-1/4 inch I.D. schedule 40 galvanized pipe. Accu-Fit railings may be top coated with custom RAL color to match building façade.
 9. Hardware: 1010 carbon steel, zinc plated pin secures railing to clamp. Secondary SHCS 3/8"-16 locks railings into clamp.
 10. Product Origin: Railings and Clamps are specified as 100% made in USA. Manufacturer must provide steel mill and foundry certificates for verification upon request
 11. 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. Color: Safety Yellow; 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

