

ACCU-FIT Mobile Safety Rail System Specifications SAFETY RAIL COMPANY

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Roof edge fall protection. (SRC ACCU-FIT Mobile Safety Rail System)
- B. Accessories. (Roof Pads, Toe Boards, SRC Base Mover)

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

- C. Roof Edge Protection: Provide freestanding pedestrian egress barrier system on roof, including railings, bases, and hardware.
1. Approved Product: SRC ACCU-FIT Mobile 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.
 5. Pipe Railings: 1-1/4 inch I.D. schedule 40 pipe x 21' length, to be assembled free of sharp edges and snag points. Field trim pipes to fit application on corners or terminations.
 6. Pipe Railing Connections; Join pipe lengths together with approved splice fittings. Tighten all set screw connections to 29 ft. lbs
 7. Modular Pipe Fitting to be cast iron fittings manufactured to the requirements of ASTM A47-77-32510

8. Stanchions: (3) Stanchion options; A. Traditional – Straight, B. Architectural - Curved stanchion - constructed of 1-1/4 inch I.D. schedule 40 pipe x 42" tall in base. C. Designer – Curved stanchion constructed of .38 HRP 42" tall in base.
9. Mounting Bases: 104 lb. (Galvanized) Class 30 gray iron material cast with four receiver posts. Provide rubber pads on bottom of bases.
10. Receiver Posts: Stanchion shall be pinned into base plate with 3" Z-pin
11. Accessories:
 - a. Toe Board Brackets: Provide brackets as manufactured by Safety Rail Company LLC as required
 - b. Finishing Rail: D-shaped railing extension for ladder landings, length of rail section and D-loop as indicated on the Drawings as required
 - c. Ladder Spanner Brackets: Provide brackets at ladder transition points as required
12. Hardware: Securing pins shall be 1010 carbon steel, zinc plated and yellow chromate dipped. Pins shall consist of collared pin and latch.
13. 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
14. 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, Std.
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