

# 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.

### 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

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](mailto:sales@safetyrailcompany.com); Web: [www.safetyrailcompany.com](http://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