

SRC Skylight Guard Specification SAFETY RAIL COMPANY

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Roof accessories of the following types:
 - 1. SRC Skylight Guard

1.2 RELATED SECTIONS

- A. Section 05 50 00 - Metal Fabrications.
- B. Section 07 41 13 - Metal Roof Panels.
- C. Section 07 50 00 - Membrane Roofing.

1.3 REFERENCES

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

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: 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.
- C. Shop Drawings: Drawings showing plans, elevations, sections and details of components.

1.5 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.

1.6 PROJECT CONDITIONS

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

1.7 WARRANTY

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

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Safety Rail Company, 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 Skylight Guard System: Provide non-penetrating skylight guarding. Include all mounting hardware. Request measurement worksheet from Safety Rail Company if not provided by architect.
 - 1. Approved Product: SRC Skylight Guard as manufactured by Safety Rail Company
 - 2. Standard: Screen to withstand a load of at least 200 pounds applied at any one area on the guard as required by OSHA Standard 29 CFR 1910.23(a)(4) & 1910.23(a)(8). System will also comply with CalOSHA Title 8, Chapter 4, Article 19, 1623 (3) capable of supporting 400 lbs at any one area on the guard
 - 3. Width: as indicated on drawing up to 90" wide
 - 4. Length: as indicated on drawing up to 120" long
 - 5. Height: as indicated on drawing; deflection tolerance required up to 30" high
 - 6. Mesh Screen: to be constructed of 1 1/2" x #9 expanded metal
 - 7. (4) Rubber tipped compression bolts to secure skylight guard to curb of skylight; no curb penetration required
 - 8. Finish: Powder Coat Safety Yellow
 - 9. Finish: Hot-dip galvanized
 - 10. Finish: Hot-dip galvanized with powder-coated finish
 - 11. Optional RAL colors available

2.3 FINISHES

- A. Finish: Factory finished powder coat paint.
- B. Finish: Hot dipped galvanized.

- C. Color: Safety yellow.
- D. Color: Match Architect's sample.

2.4 FABRICATION

- A. Assemble components with joints tightly fitted and secured. Accurately form components to suit installation.

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

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

3.3 INSTALLATION

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

3.4 PROTECTION

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

END OF SECTION