



SECTION 05 52 00
Skylight Defender

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Skylight Protection

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. British Standards:
 - 1. BS 970 - Specification for wrought steels for mechanical and allied engineering purposes. General inspection and testing procedures and specific requirements for carbon, carbon manganese, alloy and stainless steels.
 - 2. BS EN 1562 - Founding. Malleable Cast Irons.
 - 3. BS 3100 - Specification for Steel Castings for General Engineering Purposes.
- 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.
- C. Occupational Safety & Health Administration (OSHA):
 - 1. 29 CFR 1910.23 - Guarding Floor and Wall Openings and Holes.
 - 2. 29 CFR 1910.27 - Fixed Ladders.
 - 3. 29 CFR 1926.500 - Scope, Application, And Definitions Applicable to this Subpart.
 - 4. 29 CFR 1926.501 - Duty to Have Fall Protection.
 - 5. 29 CFR 1926.502 - Fall Protection Systems Criteria and Practices.
 - 6. 29 CFR 1926.503 - Training Requirements.

7. Warning Line Interpretations dated May 12, 2000, November 15, 2002, and January 3, 2005.

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.
- D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.

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 and railings 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: BlueWater Mfg., Inc., which is located at: 4064 Peavey Rd.; Chaska, MN 55318; Toll Free Tel: 866-933-2935; Tel: 952-448-2935; Fax: 952-448-3685; Email:[request info \(info@bluewater-mfg.com\)](mailto:request info (info@bluewater-mfg.com)); Web:www.bluewater-mfg.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 SYSTEMS

- A. Skylight Protection Screen
 1. Approved Product: Skylight Defender.
 2. Standards: Screen openings will not let a 4" sphere pass through them.
 3. Structural Load: 400 lbs (181.4 kg), minimum, in any direction to all components in

- accordance with Cal OSHA regulations.
- 4. Height: Varies per application.
- 5. Attachment: Compression mount. No drilling into the skylight.

2.3 FINISHES

- A. Finish: Factory Finish Zinc Plated and Aluminum Extrusion.
- B. Finish: Powder Coated over the Factory Finish.

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