



SECTION 086700
MODEL FP SKYLIGHT PROTECTION SCREEN

PART 1-GENERAL

1.1 SUMMARY

- A. This section includes the following:
 - 1. Skylight Protection and Screens
- B. Related Sections: The following sections contain requirements that relate to this section:
 - 1. Division Eight Sections "Unit Skylights", "Metal-Framed Skylights", "Plastic-Framed Skylights"

1.2 PERFORMANCE REQUIREMENTS

- A. General: Screen is tested to meet the requirements of OSHA 29 CFR 1910.29(e) (covers) and 1910.28(b)(3)(iv) (skylights)

1.3 SUBMITTALS

- A. Product Data Sheet: Include details of construction and installation, relative to applicable skylight frame.

1.4 WARRANTY

- A. General: Warranties specified in this section shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to and run concurrent with other warranties made by the Contractor under requirements of the Contract Documents.
- B. Warranty: Provide written warranty signed by manufacturer, agreeing to repair or replace work that exhibits defects in materials or workmanship as defined by the manufacturer.

- 1. Warranty Period: 2 years from date of Substantial Completion.

PART 2- PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by VELUX America LLC, Greenwood, SC 29648, available exclusively through Logistics Lighting with an extended warranty and National Account pricing. Contact for quotes or product questions: Sales@LogisticsLighting.com or 307-633-9696 or Toll-Free at 844-455-7283 website: www.LogisticsLighting.com

- B. Substitutions: Manufacturers shall not be considered without prior approval in writing no later than ten (10) calendar days prior to bid. Substitute manufacturers must have been in the skylight protection and screen business for not less than a period of 15 years and must submit to the Architect the following:
1. List of similar projects successfully completed within the last five years.
 2. Proof of financial capability.
 3. Complete details of proposed screen.
 4. Complete specifications for Architect's review.

2.2 MATERIALS

- A. Screen: Welded steel wire mesh, 4" x 4" spacing, wire diameter - .188" min. hot dipped galvanized finish on carbon steel or unfinished stainless steel.
- B. Frame: Extruded aluminum alloy 6063-T5 (min). ASTM B 221 (ASTM B 221 M) with minimum effective thickness of 0.090 inch (2.2 mm).
1. Frame includes a pocket for the edges of the screen material, and a downward leg for attachment to any vertical surface of a skylight retainer or frame.
- C. Adjustment Bar: Extruded aluminum bar stock, ¼" x 1", alloy 6063-T5 (min). ASTM B 221 (ASTM B 221 M).
1. Adjustment bar is slotted for width adjustment in the field.
- D. Fasteners: Nonmagnetic stainless steel or other non-corrosive metal as recommended by manufacturer.

2.3 FABRICATION

- A. Fabricate frame components to factory specifications.
- B. Assemble frame legs (2 sides) and adjustment bar (2 sides) into a frame using ¼-14 x 1" hex hd. stainless steel fasteners.
- C. Install screen in frame and fix into frame with 1/4-14 x 1" hex hd. stainless steel fasteners.

PART 3- EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with installer present, for compliance with requirements for installation tolerances and other conditions affecting screen performance.
1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Metal Protection: As follows:
1. Where aluminum will contact dissimilar metals, protect against galvanic action by painting contact surfaces with primer or by applying sealant or tape recommended by manufacturer for this purpose.

3.3 INSTALLATION

- A. General: Comply with manufacturer's written instructions for protecting, handling and installing fall protection components.

END OF SECTION