

Bliss Nor-Am Windows & Doors Steel Skylights

PART 1 - GENERAL

1.01 Description

- A. Work Included: Furnish all labor and materials to complete the fabrication of steel skylights as shown on architect's drawings and as specified herein. All skylights covered by this specification shall be fabricated by Bliss Nor-Am Steel Windows & Doors. Other bidders must be approved by the architect at least ten days prior to the bid date, through submission of samples and evidence showing that the bidder has been fabricating skylight products of this type and quality for at least five years. All work shall include, but not be limited to, the following:
1. Formed steel skylights.
 2. Anchors, mullions, covers and trim.
 3. Factory applied finishes.
- B. Related work specified elsewhere:
1. Glass, glazing and glazing materials, Section _____
 2. Perimeter caulking, Section _____
 3. Miscellaneous structural items, Section _____

1.02 Quality Assurance

- A. Manufacturer shall have not less than five years experience in fabrication of steel skylights.
- B. Skylights shall be installed by experienced installers.
- C. Allowable tolerances: Size dimensions $\pm 1/16$ th inch.

1.03 Submittals

- A. Samples (as requested by architect):
1. Typical skylight corner.
 2. Typical muntin section.
 3. Color sample of finish.
- B. Shop drawings and manufacturers literature:
1. Submit for approval shop drawings showing skylight and installation details, including anchorage, fastening and sealing methods.
 2. The manufacturer shall not commence any work until shop drawings have been approved.
 3. Color charts of standard finishes.

1.04 Product Storage and Handling

- A. The General Contractor shall be responsible for the protection and storage of the skylights after delivery to the site.
- B. Store in designated areas as close as possible to point of installation.

1.05 Guarantee

- A. Guarantee all materials and workmanship furnished and installed to be free from defects for a period of 12 months from the date of final acceptance or from date of substantial completion, whichever may be earlier. Repair or replace, at manufacturers option and expense, any materials or workmanship found to be defective under conditions of normal use during this period.

PART 2 - PRODUCT

2.01 Materials

- A. Hollow Structural Steel sections with a minimum of 1/8" wall thickness shall be used
1. Sections made from formed steel sheet, structural tubes or hot rolled steel sections.
 2. Skylights shall have glazing rebates providing an unobstructed glazing surface of at least 1/2" in height.
- B. Muntins
1. Steel Tube Muntins with minimum wall thickness of 1/8" shall be used.
- C. Thermal break for 1" o/a glazing to be extruded PVC.

2.02 Fabrication

- A. Fabricate steel skylights in accordance with approved shop drawings.
- B. Glazing
1. All skylights shall be designed for exterior glazing.
 2. Provide 1 1/2" x 1/8" steel screw-on glazing bar with 1/8" PVC thermal break for 1/4" - 1" o/a glass.

2.03 Factory Finishing

1. After fabrication steel skylights, covers and trim shall receive a Grey Oxide primer finish.
2. (Optional) After fabrication steel skylights, covers and trim shall receive one or both of the following finishes:
 - a. Hot-Dipped Galvanizing
 - b. Duracron or Duranar (Kynar) baked on enamel. Color shall be as selected by the architect from manufactures standard colors (custom colors are also available, consult Bliss Nor-Am).

PART 3 - EXECUTION

3.01 Inspection

- A. Skylight openings shall conform with details, dimensions and tolerances shown on the skylight manufacturers approved shop drawings.
- B. Conditions which may adversely affect the skylight installation must be corrected before installation commences.

3.02 Installation

- A. Skylights specified under this section shall be installed by experienced personnel.
- B. Install skylights in openings in strict accordance with approved shop drawings.
1. Set units plumb, level and true to line, without warp or racking of frames.
 2. Anchor units securely to surrounding construction with approved fasteners.
 3. The exterior joints between the sash, trim and mullions shall be properly sealed watertight with an approved sealant and neatly pointed.
- C. Repair any abraded areas of the factory finish with supplied touch-up paint.

3.03 Cleaning

- A. Skylight installer shall leave skylight surfaces clean after installation and ready to receive glass and glazing. The skylight installer will not be responsible for final cleaning.