

New Roof and Wall Framing: The roof and wall framing members must be installed to resist the wind loads requirements of the IRC and the IBC.

Design Wind Pressures: Design wind pressure limitations are specified in Table 1.

Roof Slope: The translucent panels may be installed on roofs with a roof slope as low as 1/2:12 if sealant is used on the panel side laps. If sealant is not used on the panel side laps, then the minimum roof slope is 2:12.

Installation Over an Existing Roof Covering: Installation over an existing roof covering is not permitted.

Impact Resistance: These translucent roof panels do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These translucent roof panels are permitted for use in the **Inland II** zone. The daylighting panel assembly may be installed at any height on a structure located in the **Inland II** zone as long as the design pressure rating for the daylighting panel assembly is not exceeded. The panels must not be used in the **Inland I** or **Seaward** zone.

Wall or Roof Bracing: The translucent panels must not be used as lateral bracing for walls or as a diaphragm for a roof. A separate wall bracing system must be provided in the plane of the assembly to resist lateral loads.

Installation:

General: The translucent panels must be installed in accordance with the manufacturer's installation instructions and this product evaluation report.

Steel Framing: The translucent panels must be secured to minimum 16 gauge steel purlins (minimum $F_y=50$ ksi) for the spacing of the purlins specified in Table 1.

Anchorage to Roof and Wall Framing: The translucent panels must be fastened in accordance with Table 1. The translucent panels must be secured to the steel purlins with SFS Intec Weather Gard #12-14 x 1" (or longer) self-drilling screws with Zac head with 1-3/8" steel washer and neoprene sealing washer. The screws are spaced a maximum of 3-1/2" on center. The panel side laps are secured with #6 x 1" Grommets spaced a maximum of 10" on center along the entire length of the side lap. The fasteners must be long enough to ensure a minimum penetration of 3 pitches of thread below the steel purlin. Refer to the fastener pattern in Figure 1.

Trims, Closures, and Accessories: Components, such as the eave trim, rake trim, ridge trim, hip trim, and valley trim must be installed as required by the manufacturer.

Table 1
Attachment of 36" wide Translucent Daylight R Panels to Steel Purlins

Design Wind Pressure (psf)	Purlins	Attachment of Panel to Steel Purlins
-120	Minimum 16-gauge; 2'-6" on center	SFS Intec Weather Gard #12-14 x 1" (or longer) self-drilling screws with Zac head with 1-3/8" steel washer and neoprene sealing washer
-106	Minimum 16-gauge; 3'-0" on center	SFS Intec Weather Gard #12-14 x 1" (or longer) self-drilling screws with Zac head with 1-3/8" steel washer and neoprene sealing washer
-92	Minimum 16-gauge; 3'-6" on center	SFS Intec Weather Gard #12-14 x 1" (or longer) self-drilling screws with Zac head with 1-3/8" steel washer and neoprene sealing washer
-78	Minimum 16-gauge; 4'-0" on center	SFS Intec Weather Gard #12-14 x 1" (or longer) self-drilling screws with Zac head with 1-3/8" steel washer and neoprene sealing washer
-64	Minimum 16-gauge; 4'-6" on center	SFS Intec Weather Gard #12-14 x 1" (or longer) self-drilling screws with Zac head with 1-3/8" steel washer and neoprene sealing washer
-50	Minimum 16-gauge; 5'-0" on center	SFS Intec Weather Gard #12-14 x 1" (or longer) self-drilling screws with Zac head with 1-3/8" steel washer and neoprene sealing washer

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.

TRANSLUCENT R PANEL FASTENER LOCATIONS

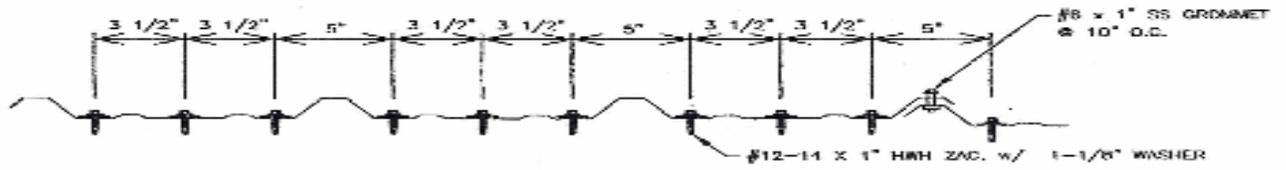


Figure 1: Translucent Daylighting R Panels Fastener Locations