

Product Evaluation

DR1249 | 0822

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at 800-248-6032.

Evaluation ID: DR-1249

Effective Date: August 1, 2022

Re-evaluation Date: August 2026

Product Name: 8'-0" "LightHouse" Glazed Fiberglass Doors, Inswing & Outswing, Singles & Doubles, with and without Sidelites, Non-Impact Resistant

Manufacturer: Trinity Glass International
33615 1st Way S
Federal Way, WA 98003
(253) 875-7300

General Description:

System	Description	Label Rating FJ Pine Jambs	Label Rating PVC Jambs	Drawing Number
1	3'0" x 8'-0" Single Door Inswing/Outswing; (X)	Inswing +45/-55 psf Outswing ±60 psf	Inswing +45/-55 psf Outswing ±50 psf	TX-5274
2	3'0" x 8'-0" Single Door w/ Sidelite & Integral Mullion, Inswing/Outswing; OX, XO	Inswing +45/-55 psf Outswing ±60 psf	Inswing +45/-55 psf Outswing ±50 psf	TX-5274
3	3'0" x 8'-0" Single Door w/ Sidelites & Integral Mullions, Inswing/Outswing; OXO	Inswing +45/-55 psf Outswing ±60 psf	Inswing +45/-55 psf Outswing ±50 psf	TX-5274

General Description (Continued):

System	Description	Label Rating FJ Pine Jambs	Label Rating PVC Jambs	Drawing Number
4	6'0" x 8'-0" Double Door Inswing/Outswing; (XX)	Inswing ±45 psf Outswing ±40 psf	Inswing ±45 psf Outswing ±45 psf	TX-5275
5	6'0" x 8'-0" Double Door w/ Boxed Sidelites & Combination Mullions, Inswing/Outswing; (OXXO)	Inswing ±45 psf Outswing ±40 psf	Inswing ±45 psf Outswing ±45 psf	TX-5275
6	6'0" x 8'-0" Double Door w/ Sidelites & Integral Mullions, Inswing/Outswing; (OXXO)	Inswing ±45 psf Outswing ±45 psf	Inswing ±45 psf Outswing ±45 psf	TX-5276

Product Dimensions:

System	Overall Size	Panel Size	Panel/Sidelite Daylight Opening Size
1	Inswing: 37-1/2" x 97-3/4" Outswing: 37-1/2" x 96-3/8"	Door: 35-3/4" x 95"	Door: 22-7/8" x 22-7/8"
2	Inswing: 56-1/4" x 97-3/4" Outswing: 56-1/4" x 96-3/8"	Door: 35-3/4" x 95" Sidelite: 17-1/2" x 95"	Door: 22-7/8" x 22-7/8" Sidelite: 6-7/8" x 78-7/8"
3	Inswing: 74-3/4" x 97-3/4" Outswing: 74-3/4" x 96-3/8"	Door: 35-3/4" x 95" Sidelite: 17-1/2" x 95"	Door: 22-7/8" x 22-7/8" Sidelite: 6-7/8" x 78-7/8"
4	Inswing: 74" x 97-3/4" Outswing: 74" x 96-3/8"	Door: 35-3/4" x 95"	Door: 22-7/8" x 22-7/8"
5	Inswing: 112-1/2" x 97-3/4" Outswing: 112-1/2" x 96-3/8"	Door: 35-3/4" x 95" Sidelites: 17-1/2" x 95"	Door: 22-7/8" x 22-7/8" Sidelite: 6-7/8" x 78-7/8"
6	Inswing: 111-1/2" x 97-3/4" Outswing: 111-1/2" x 96-3/8"	Door: 35-3/4" x 95" Sidelites: 17-1/2" x 95"	Door: 22-7/8" x 22-7/8" Sidelite: 6-7/8" x 78-7/8"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-6	4" Butt Hinges	4	Install hardware in accordance w/ Trinity Glass International drawings TX-5274, TX-5275 & TX-5276 dated July 11, 2022, signed & sealed by Lyndon F. Schmidt, P.E. on July 12, 2022
	Kwikset Signature Series Knob & Deadbolt (980) or Schlage Knob (F51) & Deadbolt (B60)	1 each	

Product Identification (Manufacturer Label on Door):

System		
1-3	Certification agency	Self-labeled by manufacturer
	Manufacturer's name or code name	Trinity Glass International
	Product name	Trinity "Lighthouse" Glazed Fiberglass Side Hinged Doors, Inswing/Outswing, Non-Imp Resistant Door Panels, Singles w/ or w/o Sidelites
	Drawing	TX-5274
	Test standards	ASTM E 330-14
4-6	Certification agency	Self-labeled by manufacturer
	Manufacturer's name or code name	Trinity Glass International
	Product name	Trinity "Lighthouse" Glazed Fiberglass Side Hinged Doors, Inswing/Outswing, Non-Imp Resistant Door Panels, Doubles w/ or w/o Sidelites
	Drawing	TX-5275, TX-5276
	Test standards	ASTM E 330-14

Impact Resistance:

System	Impact Resistant	Requirement
1-6	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Installation:

System		
1-6	Type of installation	Install in accordance w/ Trinity Glass International drawings TX-5274, TX-5275 & TX-5276 dated July 11, 2022, signed & sealed by Lyndon F. Schmidt, P.E. on July 12, 2022.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	

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