

## Product Evaluation

DR273 | 1021

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-273

**Effective Date:** October 1, 2021

**Re-evaluation Date:** October 2025

**Product Name:** Glazed Fiberglass Side Hinged Doors, Outswing, Singles and Doubles, with or without Sidelites, Impact Resistant

**Manufacturer:** Trinity Glass International  
33651 1<sup>st</sup> Way S  
Federal Way, WA 98003  
(253) 875-7300

### General Description:

System	Description	Label Rating	Drawing Number
1	3'-0" x 6'-8" Single Door; X (Rectangle Door Lite)	+60 / -60 psf	TX-4154
2	3'-0" x 6'-8" Single Door; X (Oval Door Lite)	<b>Wood Jambs:</b> +75 / -75 psf <b>PVC or FG/Comp Jambs:</b> +60 / -60 psf	TX-4154
3	3'-0" x 6'-8" Single Door w/ Sidelites & Integral Mullions; OX, XO, OXO	+55 / -55 psf	TX-4155
4	3'-0" x 6'-8" Single Door w/ Boxed Sidelites & Combination Reinforced Mullions; OX, XO, OXO	+55 / -55 psf	TX-4156

**General Description:**

System	Description	Label Rating	Drawing Number
5	6'-0" x 6'-8" Double Door; XX	+50 / -50 psf	TX-4157
6	6'-0" x 6'-8" Double Door w/ Boxed Sidelites & Combination Reinforced Mullions; OXXO	+50 / -50 psf	TX-4157

**Product Dimensions:**

System	Maximum Overall Size	Operable Panel Size	Panel Daylight Opening Size
1	37-1/2" x 80-1/2"	35-3/4" x 79-1/4"	Door: 21" x 63" Sidelite: N/A
2	37-1/2" x 80-1/2"	35-3/4" x 79-1/4"	Door: 15-1/2" x 37-7/8" Sidelite: N/A
3	112" x 80-1/2"	35-3/4" x 79-1/4"	Door & Sidelite: 21" x 63"
4	113-1/2" x 80-1/2"	35-3/4" x 79-1/4"	Door & Sidelite: 21" x 63"
5	74-1/4" x 80-1/2"	35-3/4" x 79-1/4"	Door & Sidelite: 21" x 63"
6	150" x 80-1/2"	35-3/4" x 79-1/4"	Door & Sidelite: 21" x 63"

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1-2	Hinges	3	Install hardware in accordance with Trinity Glass drawing No. TX-4154, dated May 10, 2021. Revision 1 dated August 10, 2021. Signed and sealed by August 11, 2021.
	Knob: Kwikset Signature Series (740) Deadbolt: Kwikset Signature Series (980)	1 each	
	Latch and Deadbolt strike plates	1 each	
3-6	Hinges	3	Install hardware in accordance with Trinity Glass drawings No. TX-4155 through TX-4157, dated May 10, 2021. Revision 1 dated August 10, 2021. Signed and sealed by August 11, 2021.
	Knob: Kwikset Signature Series (740) Deadbolt: Kwikset Signature Series (980) <b>OR</b> Knob: Kwikset Signature Series (740) Deadbolt: Kwikset Signature Series (780) <b>OR</b> Knob & Deadbolt: Kwikset Series (660)	1 each	
	Latch and Deadbolt strike plates	1 each	
	Astragal strike plates (Systems 5-6)		

**Product Identification (Manufacturer Label on Door):**

System		
1-2	Manufacturer's name or code name	Trinity Glass International
	Product name	Trinity Glazed Fiberglass Side Hinged Doors, Outswing, Imp Resistant Door Panels, Single
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D
3-4	Manufacturer's name or code name	Trinity Glass International
	Product name	Trinity Glazed Fiberglass Side Hinged Doors, Outswing, Imp Resistant Door Panels, Singles w/ or w/out Sidelites
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D
5-6	Manufacturer's name or code name	Trinity Glass International
	Product name	Trinity Glazed Fiberglass Side Hinged Doors, Outswing, Imp Resistant Door Panels, Doubles w/ or w/out Sidelites
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-6	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Acceptance of Smaller Assemblies:** Door assemblies with dimensions equal to or smaller than specified are acceptable within the limitations in this report.

**Installation:**

System		
1-6	Type of installation	Install in accordance with Trinity Glass International drawings No. TX-4154 through TX-4157, dated May 10, 2012. Revision 1 dated August 10, 2021. Signed and sealed by Lyndon F. Schmidt, P.E. on August 11, 2021.
	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.