

Product Evaluation

DR211 | 0720

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-211

Effective Date: July 1, 2020

Re-evaluation Date: July 2024

Product Name: 6'8" Opaque Fiberglass Side Hinged Doors, Inswing and Outswing, Singles and Doubles, with or without Non-Impact Resistant Sidelites, Impact Resistant

Manufacturer: Trinity Glass International
4621 192nd St.
East Tacoma, WA 98446
(253) 875-7300

General Description:

System	Description	Label Rating ¹	Drawing Number
1	3'-0" x 6'-8" Single Door (X)	+75 / -75 psf Missile Level D	TX-584
2	3'-0" x 6'-8" Single Door w/ Boxed Sidelite & Combination Mullion (OX, XO)	+55 / -55 psf Missile Level D	TX-586
3	3'-0" x 6'-8" Single Door w/ Boxed Sidelites & Combination Mullions (OXO)	+55 / -55 psf Missile Level D	TX-587
4	3'-0" x 6'-8" Single Door w/ Sidelite & Integral Mullion; CHS (OX, XO)	Inswing: +60 / -70 psf Outswing: +60 / -60 psf Missile Level D	TX-589

Note:¹ The maximum design pressure for the hardware is limited for Systems 1 and 4. Refer to the approved drawing for the design pressure limitations.

General Description (continued):

System	Description	Label Rating ¹	Drawing Number
5	3'-0" x 6'-8" Single Door w/ Sidelites & Integral Mullions; CHS (OXO)	Inswing: +60 / -70 psf Outswing: +60 / -60 psf Missile Level D	TX-590
6	6'-0" x 6'-8" Double Door (XX)	+55 / -55 psf Missile Level D	TX-585
7	6'-0" x 6'-8" Double Door w/ Boxed Sidelites & Combination Mullions (OXXO)	+55 / -55 psf	TX-588

Note:¹ The maximum design pressure for the hardware is limited for Systems 1 and 4. Refer to the approved drawing for the design pressure limitations.

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1	Inswing: 37.50" x 81.88" Outswing: 37.50" x 80.75"	35.75" x 79.25"	N/A
2	Inswing: 53" x 81.88" Outswing: 53" x 80.75"	35.75" x 79.25"	Door: N/A Sidelite: 6.84" x 63"
3	Inswing: 68.50" x 81.88" Outswing: 68.50" x 80.75"	35.75" x 79.25"	Door: N/A Sidelite: 6.84" x 63"
4	Inswing: 52.50" x 81.88" Outswing: 52.50" x 80.75"	35.75" x 79.25"	Door: N/A Sidelite: 6.84" x 63"
5	Inswing: 67.50" x 81.88" Outswing: 67.50" x 80.75"	35.75" x 79.25"	Door: N/A Sidelite: 6.84" x 63"
6	Inswing: 74" x 81.88" Outswing: 74" x 80.75"	35.75" x 79.25"	N/A
7	Inswing: 105" x 81.88" Outswing: 105" x 80.75"	35.75" x 79.25"	Door: N/A Sidelite: 6.84" x 63"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-7	Hinges	3	Install in accordance with Trinity Glass International drawings No. TX-584, TX-585, TX-586, TX-587, and TX-588, dated August 24, 2005. Drawings No. TX-589 and TX-590 dated August 25, 2005. Revision 3 dated February 10, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on February 11, 2020.
	Lock: Kwikset Series 740 Deadbolt: Kwikset Series 780 OR Lock: Kwikset Combo 660 Deadbolt: Kwikset Combo 660 OR Lock: Schlage Max. Security Deadbolt: Schlage Max. Security	1 each	

Product Identification (Manufacturer Label on Door):

System		
1-5	Certification agency	Self-labeled
	Manufacturer's name	Trinity Glass International
	Product name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Imp Resistant Door Panels, Non-Imp Resistant Sidelite Panels, Single and Single w/ Sidelites
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D
6-7	Certification agency	Self-labeled
	Manufacturer's name	Trinity Glass International
	Product name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Imp Resistant Door Panels, Non-Imp Resistant Sidelite Panels, Double and Double w/ Sidelites
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-7	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.
2-5, 7 Sidelites	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Installation:

System		
1-7	Type of installation	Install in accordance with Trinity Glass International drawings No. TX-584, TX-585, TX-586, TX-587, and TX-588, dated August 24, 2005. Drawings No. TX-589 and TX-590 dated August 25, 2005. Revision 3 dated February 10, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on February 11, 2020.
	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.