

Product Evaluation

DR212 | 0820

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-212

Effective Date: August 1, 2020

Re-evaluation Date: August 2024

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

Manufacturer: Trinity Glass International
4621 192nd Street
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) | +65 / -65 psf | TX-591 |
| 2 | 3'-0" x 6'-8" Single Door w/ Boxed Sidelite & Combination Mullion (OX, XO) | +55 / -55 psf | TX-593 |
| 3 | 3'-0" x 6'-8" Single Door w/ Boxed Sidelites & Combination Mullions (OXO) | +55 / -55 psf | TX-594 |
| 4 | 3'-0" x 6'-8" Single Door w/ Sidelite & Integral Mullion (CHS) (OX, XO) | +55 / -55 psf | TX-597 |
| 5 | 3'-0" x 6'-8" Single Door w/ Sidelites & Integral Mullions (CHS) (OXO) | +55 / -55 psf | TX-596 |

Note: ¹ Maximum design pressure for the hardware is limited for System 1. Refer to approved drawings for design pressure limitations.

General Description:

| System | Description | Label Rating ¹ | Drawing Number |
|--------|--|---|----------------|
| 6 | 6'-0" x 6'-8" Double Door (XX) | Inswing: +45 / -50 psf Outswing: +45 / -45 psf | TX-592 |
| 7 | 6'-0" x 6'-8" Double Door w/ Boxed Sidelites & Combination Mullions (OXXO) | Inswing: +45 / -50 psf Outswing: +45 / -45 psf | TX-595 |

Note: ¹ Maximum design pressure for the hardware is limited for System 1. Refer to approved drawings for design pressure limitations.

Product Dimensions:

| System | Max. Overall Size | Operable Panel Size | Fixed Panel Daylight Opening Size |
|--------|-------------------|---------------------|--|
| 1 | 37.50" x 81.88" | 35.75" x 79.25" | 21" x 63" |
| 2 | 53" x 81.88" | 35.75" x 79.25" | Door: 21" x 63" Sidelite: 6.84" x 63" |
| 3 | 68.50" x 81.88" | 35.75" x 79.25" | Door: 21" x 63" Sidelite: 6.84" x 63" |
| 4 | 52.50" x 81.88" | 35.75" x 79.25" | Door: 21" x 63" Sidelite: 6.84" x 63" |
| 5 | 67.50" x 81.88" | 35.75" x 79.25" | Door: 21" x 63" Sidelite: 6.84" x 63" |
| 6 | 74" x 81.88" | 35.75" x 79.25" | 21" x 63" |
| 7 | 105" x 81.88" | 35.75" x 79.25" | Door: 21" x 63" Sidelite: 6.84" x 63" |

Components and Hardware:

| System | Component | Quantity | Attachment Method |
|--------|--|----------|---|
| 1 | Hinges | 3 | Install hardware in accordance with Trinity Glass International drawing No. TX-591, dated August 25, 2005. Revision 3 dated February 12, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on February 17, 2020. |
| | Lock: Kwikset Series 740 Deadbolt: Kwikset Series 780 OR Lock: Kwikset Combo Series 660 Deadbolt: Kwikset Combo Series 660 OR Lock: Schlage Max. Security Deadbolt: Schlage Max. Security | 1 each | |
| | Strike Plate | 1 | |
| | | | |

Components and Hardware:

| System | Component | Quantity | Attachment Method |
|--------|--|----------|--|
| 2-7 | Hinges | 3 | Install hardware in accordance with Trinity Glass International drawings No. TX-593, TX-594, TX-597, TX-596, TX-592, and TX-595, dated August 26, 2005. Revision 3 dated February 12, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on February 13, 2020. |
| | Lock: Kwikset Series 740 Deadbolt: Kwikset Series 780 OR Lock: Kwikset Combo Series 660 Deadbolt: Kwikset Combo Series 660 OR Lock: Schlage Max. Security Deadbolt: Schlage Max. Security | 1 each | |
| | Strike Plate | 1 | |

Product Identification (Manufacturer Label on Door):

| System | | |
|--------|----------------------|--|
| 1-5 | Certification agency | Self-labeled |
| | Manufacturer's name | Trinity Glass |
| | Product name | Glazed Fiberglass Side Hinged Doors, Inswing/Outswing, Single and Single w/ Sidelites, Non-Imp Resistant |
| | Test standards | ASTM E330-14 |
| 6-7 | Certification agency | Self-labeled |
| | Manufacturer's name | Trinity Glass |
| | Product name | Glazed Fiberglass Side Hinged Doors, Inswing/Outswing, Double and Double w/ Sidelites, Non-Imp Resistant |
| | Test standards | ASTM E330-14 |

Impact Resistance:

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

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

Installation:

| System | | |
|--------|---------------------------|--|
| 1 | Type of installation | Install in accordance with Trinity Glass International drawing No. TX-591, dated August 25, 2005. Revision 3 dated February 12, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on February 17, 2020. |
| | Wall framing | |
| | Fasteners | |
| | Fastener location/spacing | |
| | Fastener penetration | |

Installation (continued):

| System | | |
|--------|---------------------------|---|
| 2-7 | Type of installation | Install in accordance with Trinity Glass International drawings No. TX-593, TX-594, TX-597, TX-596, TX-592, and TX-595, dated August 26, 2005. Revision 3 dated February 12, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on February 13, 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.