

Product Evaluation

DR239 | 0722

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-239

Effective Date: July 1, 2022

Re-evaluation Date: July 2024

Product Name: Glazed Hardwood Inswing and Outswing Hinged Doors, Singles and Doubles, with or without Sidelites and Half Circle Transoms, Non-Impact Resistant

Manufacturer: Glass Craft Company
2002 Brittmore Road
Houston, TX 77043-2209
(713) 690-8282

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Double Door w/ Half Circle Transoms; Inswing and Outswing; O/XX	Maximum Size Tested: 6'2" x 11'5"	+36.20 / -45.70 psf
2	Single Door w/ Sidelites and Half Circle Transoms, Inswing and Outswing; O/OXO	Maximum Size Tested: 5'9" x 11'2"	+36.20 / -45.70 psf

Product Dimensions:

System	Overall Size	Maximum Operable Panel Size	Panel Daylight Opening Size
1	74-1/4" x 98-3/4"	36" x 96"	Door: 21-5/8" x 67" Transom: 67-3/4" x 31-3/8"
2	68-3/4" x 98-5/8"	36" x 96"	Door: 21-5/8" x 67" Sidelite: 10" x 67" Transom: 67-3/4" x 31-3/8"

Components and Hardware:

- Butt hinges: Four (4) required per door panel; Secured to the door panel with four (4) No. 8 x 3" screws. Secured to the door jamb with two (2) No. 8 x 3" screws and two (2) No. 8 x 1" screws.
- Schlage F-300 Series single point lockset: Located on the active door panel.
- Schlage F-300 Series Deadbolt: Located on the active door panel.
- Lockset strike plate: One (1) required; Secured to the door side jamb with two (2) No. 8 x 3" screws.
- Deadbolt strike plate: One (1) required; Secured to the door side jamb with two (2) No. 8 x 3" screws.
- Surface bolts (System 1): One (1) located at the top and the bottom of the passive door panel.
- Surface bolt strike plates (System 1): One (1) required at the head and one (1) required at the sill; Secured at the head with two (2) No. 8 x 3" screws. Secured at the sill with two (2) No. 10 x 3" screws.

Product Identification (Certification Label on Door):

System		
1	Certification agency	NAMI
	Manufacturer's name or code name	Glass Craft Door Company
	Product name	Glazed Inswing & Outswing Double Hardwood Door w/ Half Circle Transom
	Test standards	ASTM E330-02

Product Identification (Certification Label on Door)-Continued:

System		
2	Certification agency	NAMI
	Manufacturer's name or code name	Glass Craft Door Company
	Product name	Hardwood Inswing & Outswing Single Doors w/ or w/o Sidelites and Half Circle Transom
	Test standards	ASTM E330-02

Compliance: The products comply with ASTM E 330-14 as referenced in the 2018 IRC and 2018 IBC.

Impact Resistance:

System	Impact Resistant	Requirement
1-2	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 specified in this report.

Sidelites and Transoms: Sidelites and transom must only be installed with doors. Sidelites and transoms must not be installed individually.

Installation:

System 1: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The frame assembly is secured to wall framing with minimum No. 8 x 3" screws. Along each side jamb, the fasteners are located approximately 6" from each corner and approximately 16" on center. Along either the door/sidelite frame head or transom head the fasteners are located approximately 6" from each corner and approximately 16" on center. All fasteners shall be long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 2: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The frame assembly is secured to wall framing with minimum No. 8 x 3" screws. Along each side jamb, the fasteners are located approximately 6" from each corner and approximately 24" on center. Along either the door/sidelite frame head or transom head the fasteners are located approximately 6" from each corner and approximately 16" on center. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

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.