

Product Evaluation

DR335 | 0922

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-335

Effective Date: September 1, 2022

Re-evaluation Date: September 2024

Product Name: Portobello and Estancia Glazed Hardwood Hinged Double Doors, Round or Arch Top, Inswing and Outswing, 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	Portobello/Estancia Arch Top Inswing Double Doors; XX	MST: 6'2" x 8'3"	+50 / -50 psf
2	Portobello/Estancia Arch Top Outswing Double Doors; XX	MST: 6'2" x 8'3"	+35 / -30 psf
3	Portobello/Estancia Round Top Double Doors, Inswing and Outswing; XX	MST: 6'2" x 8'3"	+50 / -45 psf

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1-3	74" x 99"	36" x 96"	21-5/8" x 55-7/8"

Components and Hardware:

- **Penrond 5/8" radius hinges:** secure to the door panel with four (4) No. 8 x 1" screws and to the door jamb with two (2) No. 8 x 3" screws and two No. 8 x 1" screws.
 - Four (4) required per panel for Systems 1-2
 - Three (3) required per panel for System 3
- **Schlage Parx Geo Series/Model FO60V Lockset:** Locate on the active door panel.
- **Schlage Series/Model FB50W V Geo 619 Deadbolt:** Locate on the active door panel.
- **Lockset strike plate:** One required; locate opposite the lockset; attached to the door frame or stationary door panel with two (2), No. 8 x 3" screws.
- **Deadbolt strike plate:** One required; located opposite the lockset; attach to the door frame or stationary door panel with two (2), No. 8 x 3" screws.
- **Surface bolt:** Two required per panel; locate one at the top and bottom of the active and passive door panels; attach each to the door panel with four (4), 10/32 x 1" bolts.
- **Strike plate – Surface bolts:** Two required per panel; locate at the frame head and frame sill adjacent to the surface bolts; secured two (2), No. 8 x 2-1/2" screws.

Product Identification (Certification Label on Door):

System		
1	Certification agency	NAMI
	Manufacturer's name or code name	Glass Craft Door Company
	Product name	Portobello/Estancia Arch Top Hardwood Glazed Double Door Inswing
	Test standards	ASTM E330-02
2	Certification agency	NAMI
	Manufacturer's name or code name	Glass Craft Door Company
	Product name	Portobello/Estancia Arch Top Hardwood Glazed Double Door Outswing
	Test standards	ASTM E330-02
3	Certification agency	NAMI
	Manufacturer's name or code name	Glass Craft Door Company
	Product name	Portobello/Estancia Round Top Hardwood Glazed Double Door Inswing & Outswing
	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
1-3	No	These products have not been tested for windborne debris resistance. An impact protection system is required when installing this product in areas where windborne debris protection is required.

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

Installation:**Systems 1, 2:**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members. The door assembly is secured to the wall framing as follows:

Side Jambs: Minimum No. 8 x 3" screws, two (2) screws per hinge location.

Frame Head: Minimum No. 10 x 3" screws, measure from the left side jamb to the right jamb, 8", 19", 35", 42", 54", and 66".

Frame Sill: Minimum No. 8 screws, measure from the left side jamb to the right jamb, 6", 14", 23", 32", 41", 50", 59", and 68".

System 3:

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members. The door assembly is secured to the wall framing as follows:

Side Jambs: Minimum No. 8 x 3" screws, two (2) screws per hinge location,

Frame Head: Minimum No. 10 x 3" screws, measure from the left side jamb to the right jamb, 12", 26", 35", 41", 51", 55", 63", 70", 76", and 85".

Frame Sill: Minimum No. 8 screws, measure from the left side jamb to the right jamb, 6", 14", 23", 32", 41", 50", 59", and 68".

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.