



# Product Evaluation

DR335 | 0115

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:** January 1, 2015

**Re-evaluation Date:** September 2016

**Product Name:** Portobello and Estancia Harwood Arch Top and Round Top Glazed Inswing and Outswing Hinged Double Doors, Non-impact Resistant

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

### General Description:

System	Description	Label Rating	Drawing Number
1	Portobello and Estancia Harwood Arch Top Glazed Inswing Hinged Double Doors	Maximum Size Tested: 6'2" x 8'3"	+50 / -50 psf
2	Portobello and Estancia Harwood Arch Top Glazed Outswing Hinged Double Doors	Maximum Size Tested: 6'2" x 8'3"	+35 / -30 psf
3	Portobello and Estancia Harwood Round Top Glazed Inswing Hinged Double Doors	Maximum Size Tested: 6'2" x 8'3"	+50 / -45 psf
4	Portobello and Estancia Harwood Round Top Glazed Outswing Hinged Double Doors	Maximum Size Tested: 6'2" x 8'3"	+50 / -45 psf

### Component Dimensions:

System	Overall Size	Door Panel Size	Door Panel Daylight Opening Size
1, 2, 3, 4	74" x 99"	Active (2): 36" x 96"	21-5/8" x 55-7/8"

**Hardware:**

- Penrond Hinges (Systems 1 and 2): Eight required (Four per door panel); secure to the door panel with four (4), No. 8 x 1" screws. Secure to the doorjamb with two (2), No. 8 x 3" screws and two (2), No. 8 x 1" screws.
- Penrond Hinges (Systems 3 and 4): Six required (Three per door panel); secure to the door panel with four (4), No. 8 x 1" screws. Secure to the doorjamb with two (2), No. 8 x 3" screws and two (2), No. 8 x 1" screws.
- 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 doorframe or stationary door panel with two (2), No. 8 x 3" screws.
- Deadbolt strike plate: One required; located opposite the lockset; attach to the doorframe or stationary door panel with two (2), No. 8 x 3" screws.
- Surface bolt: Four required (Two per door 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: Four required (Two per door panel); locate at the frame head and frame sill adjacent to the surface bolts; secured two (2), No. 8 x 2-1/2" screws.

**Thresholds:**

- Inswing: aluminum fixed composite filled 1.5" high threshold.
- Outswing: aluminum fixed composite filled 1.5" high threshold.

**Product Identification (Certification Agency 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 E 330-02
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 E 330-02
3, 4	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Glass Craft Door Company
	Product Name	Portobello/Estancia Round Top Hardwood Double Door Inswing & Outswing
	Test Standards	ASTM E 330-02

**Impact Resistance:**

System	Impact Resistant	Requirement
1, 2, 3, 4	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**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:** Use a minimum Spruce-Pine-Fir dimension lumber for the wood wall-framing members. Secure the door to the wall framing using the door frame head, sill, and side jambs as follows:
  - Side Jambs: Minimum No. 8 x 3" screws, two screws per hinge location.
  - Frame Head: Minimum No. 10 x 3" screws, measure from the left 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 side jamb, 6", 14", 23", 32", 41", 50", 59", and 68".
  - Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing. If the sill is secured to concrete, then use a minimum 3/16" diameter concrete anchors.
  
- **Systems 3, 4:** Use a minimum Spruce-Pine-Fir dimension lumber for the wood wall-framing members. Secure the door to the wall framing using the door frame head, sill, and side jambs as follows:
  - Side Jambs: Two screws per hinge location, minimum No. 8 x 3" screws.
  - Frame Head: Minimum No. 10 x 3" screws, measure from the left 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 side jamb, 6", 14", 23", 32", 41", 50", 59", and 68".
  - Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing. If the sill is secured to concrete, then use a minimum 3/16" diameter concrete anchors.

**Note:** Keep manufacturer's installation instructions at the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.