



Product Evaluation

DR336 | 0718

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-336

Effective Date: July 1, 2018

Re-evaluation Date: September 2020

Product Name: TDL Arch Top Hardwood 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	TDL Arch Top Hardwood Glazed Inswing Hinged Double Doors	Maximum Size Tested: 6'2" x 8'3"	+45 / -40 psf
2	TDL Arch Top Hardwood Glazed Outswing Hinged Double Doors	Maximum Size Tested: 6'2" x 8'3"	+45 / -40 psf

Component Dimensions:

System	Overall Size	Door Panel Size	Door Panel Daylight Opening Size
1, 2	74" x 99"	Active: 36" x 96" Passive: 36-3/4" x 96"	Four Rectangular Lites: 9-1/4" x 17-9/16" Two Arch Lites: 9-1/4" x 17-1/8"

Hardware:

- Penrond Hinges: eight (8) required (four (4) per door panel); secure to the door panel with four (4) No. 8 x 1" screws. Secure to the door jamb 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 (1) 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 (1) required; locate opposite the lockset; attached to the door frame or stationary door panel with two (2) No. 8 x 3" screws.
- Surface bolt: Four (4) required (two (2) per door); locate one (1) 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 (4) required (two (2) per door panel); locate at the frame head and frame sill adjacent to the surface bolts; secure with 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, 2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Glass Craft Door Company
	Product Name	TDL Arch Top Hardwood Double Inswing & Outswing
	Test Standards	ASTM E 330-02

Impact Resistance:

System	Impact Resistant	Requirement
1, 2	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: Use a minimum Spruce-Pine-Fir dimension lumber for the wood wall-framing members. Secure the door to the wall framing using the doorframe head, sill, and side jambs as follows:

- Side Jambs: Two (2) 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, 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 securing the sill to concrete, use minimum 3/16" diameter concrete anchors.

Note: Keep the 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.