



Product Evaluation

DR334 | 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-334

Effective Date: July 1, 2018

Re-evaluation Date: June 2020

Product Name: Buffalo Forge Steel Glazed Inswing Side Hinged Doors, Non-Impact Resistant

Manufacturer: GlassCraft Door Company
2002 Brittmoore Rd.
Houston TX 77043
(713) 690-8282

General Description:

System	Description	Label Rating	Design Pressure
1	Buffalo Forge Steel Glazed Round Top Inswing Hinged Single Door RH-4; X	ASTM E330-02	+54.18 / -58.94 psf
2	Buffalo Forge Steel Glazed Arch Top Inswing Hinged Double Door, RH 4-5/8; XX	ASTM E330-02	+50.68 / -63.98 psf
3	Buffalo Forge Steel Glazed Round Top Inswing Hinged Double Door, LH 4-5/8; XX	ASTM E330-02	+50.68 / -63.98 psf
4	Buffalo Forge Steel Glazed Inswing Hinged Double Door with Half Round Transom LH-A; O/XX	ASTM E330-02	+56.70 / -64.68 psf

Component Dimensions:

System	Overall Size	Door Panel Size	Transom Size	Door Panel Daylight Opening Size
1	38-7/8" x 98-3/4"	36" x 96"	N/A	22-1/2" x 86"
2	74-7/8" x 98-3/4"	36" x 96" (2)	N/A	22-1/2" x 86"
3	74-7/8" x 98-3/4"	36" x 96" (2)	N/A	22-1/2" x 86"
4	74-3/8" x 136"	36" x 96" (2)	74-3/8" x 37-3/4"	22-1/2" x 86"

Components and Hardware:

System	Component	Quantity	Attachment Method
1	Prodeco Door Hinge	2	From bottom of leaf: 10-1/2" & 70-1/2". Secured to the door panel and to the door frame with welds.
	Glass Frame Hinge	3	12" from each end and the midpoint of each glass frame.
	Single Point Deadbolt & Lockset Schlage F-Series	1	37" from the bottom of the lock stile.
	Deadbolt & Strike Plate	1	43" from the bottom of the lock stile. Dead bolt strike plate secured to door frame with two No. 8 x 1" screws. Lockset strike plate secured to door frame with two No 8-32 x 3/4" screws
	Sweep Latch	3	12" from each end & midpoint of glass frame.
	Sweep Latch Keeper	3	Door leaf corresponding to each sweep latch.
2, 3, 4	Prodeco Door Hinge	4	From bottom of each leaf: System 2: 12-1/2" & 71-1/2" System 3: 13" & 55" System 4: 10" & 68" Secured to the door panel and to the door frame with welds.
	Glass Frame Hinge	6	12" from each end and the midpoint of each glass frame.
	Single Point Lockset Schlage F-Series	1	37" from the bottom of the lock stile.
	Deadbolt Schlage F-Series	1	43" from the bottom of the lock stile.
	Deadbolt Strike Plate	1	Secured to door frame with two No. 8 x 1" screws.
	Lockset Strike Plate	1	Secured to door frame with two No 8-32 x 3/4" screws.
	Flush Bolt	2	Top and bottom of the fixed leaf.
	Flush Bolt Strike Plates	2	One at head and one at sill; Secured to the door frame with two No. 8-32 x 3/4" screws.
	Sweep Latch	6	12" from each end & midpoint of glass frame.
	Sweep Latch Keeper	6	Door leaf corresponding to each sweep latch. Secured to the door panel with welds

Sill: Endura adjustable extruded aluminum inswing 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	Buffalo Forge Steel Inswing Round Top Single Door
	Test Standards	ASTM E 330-02
2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Glass Craft Door Company
	Product Name	Buffalo Forge Steel Inswing Arch Top Double Door
	Test Standards	ASTM E 330-02
3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Glass Craft Door Company
	Product Name	Buffalo Forge Steel Inswing Round Top Double Door
	Test Standards	ASTM E 330-02
4	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Glass Craft Door Company
	Product Name	Buffalo Forge Inswing Steel Double Doors w/Half Round Transom
	Test Standards	ASTM E 330-02

Impact Resistance:

System	Impact Resistant	Requirement
1-4	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 with the limitations specified in this report.

Installation:

System		
1,2,3	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 14 x 3" screws
	Fastener Embedment	Minimum 1-1/2" into wall framing
	Fastener Location/Spacing	Jambs: 9" from corners & 16" on center thereafter. Head & Threshold: 4" from corners, 12" on center thereafter.

Installation (Continued):

System		
4	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 14 x 3" screws
	Fastener Embedment	Minimum 1-1/2" into wall framing
	Fastener Location/Spacing	<p>Jambs: 9" from corners & 16" on center thereafter.</p> <p>Head & Threshold: 4" from corners, 12" on center thereafter.</p> <p>Transom Sill: Secure to the door head at 14" from each end and 16" on center thereafter.</p>

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