



Product Evaluation

DR334 | 0215

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: February 1, 2015

Re-evaluation Date: June 2016

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

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

General Description:

System	Description	Label Rating
1	Buffalo Forge Steel Glazed Round Top Inswing Hinged Single Door, X	Maximum Size Tested: 3'3"x8'3" Design Pressure: +54.18 psf / -58.94 psf
2	Buffalo Forge Steel Glazed Round Top Inswing Hinged Double Door, XX	Maximum Size Tested: 6'3"x8'3" Design Pressure: +50.68 psf / -63.98 psf
3	Buffalo Forge Steel Glazed Arch Top Inswing Hinged Double Door, XX	Maximum Size Tested: 3'3"x8'3" Design Pressure: +50.68 psf / -63.98 psf
4	Buffalo Forge Steel Glazed Inswing Hinged Double Door with Transom, O/XX	Maximum Size Tested: 6'2"x11'4" Design Pressure: +56.70 psf / -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"	One (1): 36" x 96"	N/A	22-1/2" x 86"
2	74-7/8" x 98-3/4"	Two (1): 36" x 96"	N/A	22-1/2" x 86"
3	74-7/8" x 98-3/4"	Two (2): 36" x 96"	N/A	22-1/2" x 86"
4	74-7/8" x 136"	Two (2): 36" x 96"	74-7/8" x 37-3/4"	22-1/2" x 86"

Hardware:

- Prodeco Hinges (System 1): Two required; weld to the door panel and to the doorjamb.
- Prodeco Hinges (Systems 2, 3, 4): Four required (two per door panel); weld to the door panel and to the doorjamb.
- Glass Frame Hinge (System 1): Three required; locate 12" from each end and at the midpoint of the glass frame.
- Glass Frame Hinge (Systems 2, 3, 4): Six required (three per door panel); locate 12" from each end and at the midpoint of each glass frame.
- Schlage F-Series Single point Lockset: Locate on the active door panel.
- Schlage B-Series Deadbolt: Locate on the active door panel.
- Lockset strike plate: One required; locate opposite the lockset; attach to the doorframe or stationary door panel with two M4 x 3/4" screws.
- Deadbolt strike plate: One required; locate opposite the lockset; attach to the doorframe or stationary door panel with two M4 x 3/4" screws.
- Flushbolt (Systems 2, 3, 4): Two required; locate at the top and bottom of the stationary door panel.
- Flushbolt strike plate (Systems 2, 3, 4): Two required; locate at the frame head and sill, opposite the flushbolts; attach to the head and the sill with two M4 x 3/4" screws.
- Sweep latch (System 1): Three required; locate 12" from each end and at the midpoint of the glass frame.
- Sweep latch (Systems 2, 3, 4): Six required (three per door); locate 12" from each end and at the midpoint of the glass frame.
- Sweep latch keeper (System 1): Three required; locate on the door panel corresponding to each sweep latch.
- Sweep latch keeper (Systems 2, 3, 4): Six required (three per door); locate on the door panel corresponding to each sweep latch.

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 Round 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 Arch Top Double Doors
	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 Door w/Half Round Transom
	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.

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

Transom (System 4): Do not install the transom alone. Only install the transom with doors.

Installation:

System 1: Use a minimum of Southern Yellow Pine dimension lumber for the wood wall-framing members. Secure the door to the wall framing using the door side jambs with minimum No. 14 x 3" screws. Along each side jamb, locate the fasteners approximately 9" from each corner and 16" on center. No fasteners are required along the head and the sill. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

Systems 2 and 3: Use a minimum of Southern Yellow Pine dimension lumber for the wood wall-framing members. Secure the door to the wall framing along the side jambs with minimum No. 14 x 3" screws. Along each side jamb, locate fasteners approximately 9" from each corner and 16" on center. Secure the door to the wall framing along the sill with minimum No. 8 x 3" screws. Locate the fasteners approximately 9" from each corner and 16" on center. No fasteners are required along the head. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 4: Use a minimum Southern Yellow Pine dimension lumber for the wood wall-framing members. Secure the door to the wall framing along the head and side jambs with minimum No. 14 x 3" screws. Along the head and each side jamb, locate the fasteners approximately 9" from each corner and 16" on center. Secure the door to the wall framing along the sill with minimum No. 8 x 3" screws. Locate the fasteners approximately 9" from each corner and 16" on center. No fasteners are required along the head. Use fasteners 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, the IBC, and the Texas Revisions.