



Product Evaluation

DR732 | 0915

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-732

Effective Date: September 1, 2015

Re-evaluation Date: September 2019

Product Name: Dunbarton Opaque Two-Piece Steel Frame Entry Doors, Impact Resistant

Manufacturer: Dunbarton Corporation
868 Murray Road
Dothan, AL 36303
Telephone: (334) 794-0661

General Description:

System	Description	Label Rating	Drawing Number
1	3'-0" x 6'-8" Opaque Steel Single Door; Outswing (X)	<u>Masonite Steel Door Panel</u> Outswing ±65 psf	TX-4338
2	6'-0" x 6'-8" Opaque Steel Double Door; Outswing (XX)	<u>Masonite Steel Door Panel</u> Outswing ±55 psf	TX-4339
3	3'-0" x 8'-0" Opaque Steel Single Door; Outswing (X)	<u>Masonite Steel Door Panel</u> Outswing ±55 psf	TX-4340
4	6'-0" x 6'-8" Opaque Steel Double Door; Outswing (XX)	<u>JELD-WEN Steel Door Panel</u> Outswing ±55 psf	TX-4353
5	3'-0" x 8'-0" Opaque Steel Single Door; Outswing (X)	<u>JELD-WEN Steel Door Panel</u> Outswing ±55 psf	TX-4354

Component Dimensions:

System	Max. Overall Size	Panel Size
1	39-1/4" x 81-3/4" Outswing	35-3/4" x 79-1/4" (Masonite)
2	76" x 81-3/4" Outswing	35-3/4" x 79-1/4" (Masonite)
3	39-1/4" x 97-3/4" Outswing	35-3/4" x 97-1/4" (Masonite)
4	76" x 81-3/4" Outswing	35-3/4" x 79-1/4" (JELD-WEN)
5	39-5/8" x 98-1/8" Outswing	36" x 97-1/4" (JELD-WEN)

Component Hardware:

System	Component	Quantity	Attachment Method
1-3	4" Butt Hinges	3 (6'-8") 4 (8'-0")	Hardware shall be installed in accordance with Dunbarton drawings TX-4338, TX-4339 & TX-4340, dated July 9, 2013, signed & sealed by Lyndon F. Schmidt, P.E. on September 18, 2013.
	Lock and deadbolt strike plate	1 per lockset & deadbolt	
	Kwikset 200DL Lockset & Kwikset Signature Series 980 deadbolt or Schlage F51 Lockset & Schlage B60N deadbolt	Refer to Hardware Table on sheet 3 of the drawings.	
4	4" Butt Hinges	3	Hardware shall be installed in accordance with Dunbarton drawing TX-4353, dated July 9, 2013, signed & sealed by Lyndon F. Schmidt, P.E. on September 18, 2013.
	Lock and deadbolt strike plate	1 per lockset & deadbolt	
	Kwikset 200DL Lockset & Kwikset Signature Series 980 deadbolt or Schlage F51 Lockset & Schlage B60N deadbolt	Refer to Hardware Table on sheet 3 of the drawings.	
5	4" Butt Hinges	4	Hardware must be installed in accordance with Dunbarton drawing TX-4354, dated July 9, 2013, signed & sealed by Lyndon F. Schmidt, P.E. on September 18, 2013.
	Lock and deadbolt strike plate	1 per lockset & deadbolt	
	Kwikset 200 Series Lockset & Kwikset 600 Series deadbolt	Refer to Hardware Table on sheet 3 of the drawings.	

Product Identification (Certification Agency Label on Door):

System		
1-4	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Dunbarton Corporation
	Product Name	Opaque Steel Entry Doors with Rediflex Steel Frame System
	Test Standards	ASTM E 330-02, E 1886-05/1996-06
5	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Dunbarton Corporation
	Product Name	Opaque Steel Entry Doors with Rediflex Steel Frame System
	Test Standards	TAS 201, 202 & 203-94

Impact Resistance:

System	Impact Resistant	Requirement
1-5	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

System			
1-5	Type of Installation	Door Frame	
	Wall Framing	Wood ($G \geq 0.42$), Concrete (3000 psi min.), Steel 16 ga. C-Channel	
	Fastener Embedment	Wood: Minimum of 1.45" (head/jambs) & 1-1/2" (sill) into wood framing. Concrete: Minimum of 1-1/4" into the concrete (head/jambs), Min. of 1-3/4" into the concrete (sill). Steel: 3 threads protruding through steel channel.	
	Fastener Location/Spacing	Head	The doors shall be installed in accordance with Dunbarton drawings TX-4338, TX-4339, TX-4340, TX-4353 & TX-4354, dated July 9, 2013, signed & sealed by Lyndon F. Schmidt, P.E. on September 18, 2013.
		Sill	
Side Jambs			
Hinges			

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.