

Product Evaluation

DR427 | 0828

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-427

Effective Date: August 1, 2020

Re-evaluation Date: August 2024

Product Name: 6'-8" Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Singles and Doubles, with or without Sidelites, Impact Resistant

Manufacturer: Steves and Sons
203 Humble Avenue
San Antonio, TX 78225
(210) 924-0470

General Description:

System	Description	Label Rating	Drawing Number
1	3'-0" x 6'-8" Single Door (X)	Inswing: +55 / -60 psf Outswing: +55 / -55 psf Missile Level D	TX-4084
2	3'-0" x 6'-8" Single Door w/ Sidelite & Combination Reinforced Mullion (OX, XO)	Inswing: +55 / -60 psf Outswing: +55 / -55 psf Missile Level D	TX-4084
3	3'-0" x 6'-8" Single Door w/ Sidelites & Combination Reinforced Mullions (OXO)	Inswing: +55 / -60 psf Outswing: +55 / -55 psf Missile Level D	TX-4084
4	6'-0" x 6'-8" Double Door (XX)	Inswing: +50 / -55 psf Outswing: +50 / -50 psf Missile Level D	TX-4085

General Description:

System	Description	Label Rating	Drawing Number
5	6'-0" x 6'-8" Double Door w/ Sidelites & Combination Reinforced Mullions (OXXO)	Inswing: +50 / -55 psf Outswing: +50 / -50 psf Missile Level D	TX-4085

Product Dimensions:

System	Overall Size	Operable Panel Size	Maximum Panel Daylight Opening Size
1	Inswing: 37.50" x 82" Outswing: 37.50" x 81.25"	35.75" x 79.50"	N/A
2	Inswing: 76.25" x 82" Outswing: 76.25" x 81.25"	35.75" x 79.50"	Door: N/A Sidelite: 20.63" x 62.75"
3	Inswing: 115" x 82" Outswing: 115" x 81.25"	35.75" x 79.50"	Door: N/A Sidelite: 20.63" x 62.75"
4	Inswing: 74" x 82" Outswing: 74" x 81.25"	35.75" x 79.50"	N/A
5	Inswing: 151.50" x 82" Outswing: 151.50" x 81.25"	35.75" x 79.50"	Door: N/A Sidelite: 20.63" x 62.75"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-5	Hinges	3	Install in accordance with Steves & Sons drawings No. TX-4084 and TX-4085, dated April 13, 2010. Revision 2 dated May 28, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on June 1, 2020.
	Lock: Kwikset 200 Series Deadbolt: Kwikset 600 Series	1 each	
	Latch & Deadbolt strike plate	1 each	

Product Identification (Manufacturer Label on Door):

System		
1-3	Certification agency	Self-labeled
	Manufacturer's name	Steves & Sons
	Product name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Impact Resistant Door Panels, Singles w/ or w/out Sidelites
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D

Product Identification (Manufacturer Label on Door) - Continued:

System		
4-5	Certification agency	Self-labeled
	Manufacturer's name	Steves & Sons
	Product name	Opaque Fiberglass Side Hinged Doors, Inswing/Outswing, Impact Resistant Door Panels, Doubles w/ or w/out Sidelites
	Test standards	ASTM E330-14/E1886-13a/E1996-14a Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-5	Yes	These products satisfy TDI's criteria for protection from windborne debris. 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	Install in accordance with Steves & Sons drawings No. TX-4084 and TX-4085, dated April 13, 2010. Revision 2 dated May 28, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on June 1, 2020.
	Wall framing	
	Fasteners	
	Fastener location/spacing	
	Fastener penetration	

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