

Product Evaluation

DR431 | 0820

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-431

Effective Date: August 1, 2020

Re-evaluation Date: August 2024

Product Name: 8'-0" Opaque Fiberglass Side Hinged Doors, Inswing, Singles and Doubles, with or without Sidelites, Non-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 8'-0" Single Door (X)	+40 / -45 psf	TX-4094
2	3'-0" x 8'-0" Single Door (X)	+50 / -55 psf **	TX-4094
3	3'-0" x 8'-0" Single Door w/ Sidelite & Combination Reinforced Mullion (1X) (XO, OX)	+40 / -45 psf	TX-4094
4	3'-0" x 8'-0" Single Door w/ Sidelite & Combination Reinforced Mullion (2X) (XO, OX)	+50 / -55 psf **	TX-4094
5	3'-0" x 8'-0" Single Door w/ Sidelites & Combination Reinforced Mullions (1X) (OXO)	+40 / -45 psf	TX-4094
6	3'-0" x 8'-0" Single Door w/ Sidelite & Combination Reinforced Mullion (2X) (OXO)	+50 / -55 psf **	TX-4094

Note: ** Requires security strike and frame corner screws

General Description (Continued):

System	Description	Label Rating	Drawing Number
7	6'-0" x 8'-0" Double Door (XX)	+45 / -45 psf	TX-4095
8	6'-0" x 8'-0" Double Door w/ Sidelites & Combination Reinforced Mullions (OXXO)	+45 / -45 psf	TX-4095

Product Dimensions:

System	Overall Size	Operable Panel Size	Fixed Panel Daylight Opening Size
1-2	37.50" x 98"	35.75" x 95.25"	N/A
3-4	54.50" x 98"	35.75" x 95.25"	Door: N/A Sidelite: 7" x 79.87"
5-6	71.50" x 98"	35.75" x 95.25"	Door: N/A Sidelite: 7" x 79.87"
7	74" x 98"	35.75" x 95.25"	N/A
8	106.50" x 98"	35.75" x 95.25"	Door: N/A Sidelite: 7" x 79.87"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-8	Hinges	4	Install in accordance with Steves & Sons drawings No. TX-4094 and TX-4095, dated May 19, 2010. Revision 2 dated May 28, 2020, Signed and sealed by Lyndon F. Schmidt, P.E. on June 1, 2020.
	Lock: Kwikset Series 690 CP Deadbolt: Kwikset Series 690 CP	1 each	
	Latch and Deadbolt standard strike plate	1 each	
	Deadbolt security strike plate (Systems 2, 4, 6)	1	
	Astragal strike plate (Systems 7-8)	1 at head 1 at sill	

Product Identification (Manufacturer Label on Door):

System		
1-6	Certification agency	Self-labeled
	Manufacturer's name	Steves & Sons
	Product name	Opaque Fiberglass Side Hinged Doors, Inswing, Non-Impact Resistant Door Panels, Singles w/ or w/out Sidelites
	Test standards	ASTM E330-14

Product Identification (Manufacturer Label on Door)-continued:

System		
7-8	Certification agency	Self-labeled
	Manufacturer's name	Steves & Sons
	Product name	Opaque Fiberglass Side Hinged Doors, Inswing, Non-Impact Resistant Door Panels, Doubles w/ or w/out Sidelites
	Test standards	ASTM E330-14

Impact Resistance:

System	Impact Resistant	Requirement
1-8	No	Provide an impact protective system when installing the product in areas that require windborne debris.

Installation:

System		
1-8	Type of installation	Install in accordance with Steves & Sons drawings No. TX-4094 and TX-4095, dated May 19, 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.