



Product Evaluation

DR428 | 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-428

Effective Date: September 1, 2015

Re-evaluationDate: September 2019

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

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" Opaque Fiberglass Single Door, Inswing / Outswing; (X)	Inswing: +55 / -60 psf Outswing: +55 / -55 psf	TX-4090
2	3'-0" x 6'-8" Opaque Fiberglass Single Door, Inswing / Outswing w/Boxed Sidelite & Combination Reinforced Mullion; (OX / XO)	+47 / -47 psf	TX-4090
3	3'-0" x 6'-8" Opaque Fiberglass Single Door, Inswing / Outswing w/Boxed Sidelites & Combination Reinforced Mullion; (OXO)	+47 / -47 psf	TX-4090

General Description (Continued):

System	Description	Label Rating	Drawing Number
4	6'-0" x 6'-8" Opaque Fiberglass Double Door, Inswing / Outswing; (XX)	Inswing: +50 / -55 psf Outswing: +50 / -50 psf	TX-4091
5	6'-0" x 6'-8" Opaque Fiberglass Double Door, Inswing / Outswing w/Boxed Sidelites & Combination Reinforced Mullion; (OXXO)	+47 / -47 psf	TX-4091

Component Dimensions:

System	Overall Size	Fixed/Operable Panel Size (Door and Sidelite)	Panel Glazed Opening Size (Door and/or Sidelite)
1	37-1/2" x 82"	35-3/4" x 79-1/2"	N/A
2	76-1/4" x 82"	35-3/4" x 79-1/2"	20-1/2" x 62-1/2"
3	115" x 82"	35-3/4" x 79-1/2"	20-1/2" x 62-1/2"
4	74" x 82"	35-3/4" x 79-1/2"	N/A
5	151-1/2" x 82"	35-3/4" x 79-1/2"	20-1/2" x 62-1/2"

Components and Hardware:

System	Component	Quantity	Attachment Method
1, 2, 3	4" Steel Butt Hinges	3 per door panel	Install the hardware in accordance with Steves and Sons drawing TX-4090 dated April 13, 2010 (Revised July 16, 2015), signed and sealed by Lyndon Schmidt P.E. on July 22, 2015
	Kwikset Series 200 Lock	1	
	Kwikset Series 600 Deadbolt	1	
	Latch Strike Plate	1	
	Deadbolt Strike Plate	1	
4, 5	4" Steel Butt Hinges	3 per door panel	Install the hardware in accordance with Steves and Sons drawing TX-4091 dated April 13, 2010 (Revised July 16, 2015), signed and sealed by Lyndon Schmidt P.E. on July 22, 2015
	Kwikset Series 200 Lock	1	
	Kwikset Series 600 Deadbolt	1	
	Latch Strike Plate	1	
	Deadbolt Strike Plate	1	
	Astragal Strike Plate (Head)	1	
	Astragal Strike Plate (Sill)	1	

Product Identification (Manufacturer's Label on Door):

System		
1, 2, 3, 4, 5	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Steves & Sons San Antonio, TX
	Product Name	Veranda Opaque Fiberglass IS or OS Side-Hinged Doors w/ or w/o Non-Impact Sidelites
	Test Standards	ASTM E 330-02, ASTM E 1886-02, ASTM E 1996-02, Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3, 4, 5	Doors – Yes Sidelites - No	<p><u>Doors:</u> These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone. The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded</p> <p><u>Sidelites:</u> Provide an impact protective system when installing the product in areas that require windborne debris protection.</p>

Sidelites: Sidelites must only be used with doors. Sidelite may not be installed individually.

Installation:

System		
1, 2, 3, 4, 5	Type of Installation	Install and anchor the doors on accordance with Steves and Sons drawings TX-4090 and TX-4091, dated April 13, 2010 (Revised July 16, 2015), signed and sealed by Lyndon Schmidt P.E. on July 22, 2015
	Wall Framing	
	Fasteners	
	Fastener Embedment	
	Fastener Location/Spacing	

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.