

## Product Evaluation

DR433 | 1120

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-433

**Effective Date:** November 1, 2020

**Re-evaluation Date:** November 2024

**Product Name:** 6'-8" Opaque Steel Side Hinged Doors, Inswing and Outswing, 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 6'-8" Single Door; X	Inswing: +70 / -75 psf Outswing: +70 / -70 psf	TX-4637
2	3'-0" x 6'-8" Single Door w/ Sidelite & Integral Mullion; OX, XO	Inswing: +55 / -60 psf Outswing: +55 / -55 psf	TX-4637
3	3'-0" x 6'-8" Single Door w/ Sidelites & Integral Mullions; OXO	Inswing: +55 / -60 psf Outswing: +55 / -55 psf	TX-4637

**General Description:**

System	Description	Label Rating	Drawing Number
4	6'-0" x 6'-8" Double Door; XX	<b>Endura Astragal</b> Inswing ONLY: +50 / -55 psf <b>Worldwide Astragal</b> Outswing ONLY: +40 / -40 psf	TX-4638
5	6'-0" x 6'-8" Double Door w/ Sidelites & Integral Mullions; OXXO	<b>Endura Astragal</b> Inswing ONLY: +50 / -55 psf <b>Worldwide Astragal</b> Outswing ONLY: +40 / -40 psf	TX-4638

**Product Dimensions:**

System	Overall Size	Operable Panel Size	Maximum Sidelite Panel Daylight Opening Size
1	37-1/2" x 81-1/2"	35-3/4" x 79"	N/A
2	53" x 81-1/2"	35-3/4" x 79"	6-1/8" x 63-1/8"
3	68-1/2" x 81-1/2"	35-3/4" x 79"	6-1/8" x 63-1/8"
4	74" x 81-1/2"	35-3/4" x 79"	N/A
5	105" x 81-1/2"	35-3/4" x 79"	6-1/8" x 63-1/8"

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1-5	Hinges	3	Install hardware in accordance with Steves & Sons drawings No. TX-4637 and TX-4638, dated September 14, 2016. Revision 1 dated June 2, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on June 2, 2020.
	Knob: Kwikset 400 Series Deadbolt: Kwikset 660 Series	1 each	
	Latch and Deadbolt strike plate	1 each	

**Product Identification (Manufacturer Label on Door):**

System		
1-3	Manufacturer's name or code name	Steves & Sons
	Product name	Opaque Steel Side Hinged Doors, Inswing/Outswing, Non-Impact Resistant Door Panels, Singles w/ or w/out Sidelites
	Test standards	ASTM E330-14
4-5	Manufacturer's name or code name	Steves & Sons
	Product name	Opaque Steel Side Hinged Doors, Inswing/Outswing, Non-Impact Resistant Door Panels, Doubles w/ or w/out Sidelites
	Test standards	ASTM E330-14

**Impact Resistance:**

System	Impact Resistant	Requirement
1-5	No	Provide an impact protective system when installing the product in areas that require windborne debris.

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

**Installation:**

System		
1-5	Type of installation	Install in accordance with Steves & Sons drawings No. TX-4637 and TX-4638, dated September 14, 2016. Revision 1 dated June 2, 2020. Signed and sealed by Lyndon F. Schmidt, P.E. on June 2, 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.