

Product Evaluation

DR1089 | 0420

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-1089

Effective Date: April 1, 2020

Re-evaluation Date: April 2024

Product Name: Series 7901 Glazed and Opaque Wood Inswing and Outswing Side Hinged Doors, Impact Resistant

Manufacturer: Simpson Door Company
400 W. Simpson Avenue
McCleary, WA 98557
(800) 746-7766

General Description:

System	Description	Label Rating	Drawing Number
1	Glazed Wood Inswing Side Hinged Doors; X	MST: 3'2" x 6'10" DP: +55 / -55 psf Missile Level D	SIMP2013
2	Glazed Wood Outswing Side Hinged Doors; X	MST: 3'2" x 6'10" DP: +55 / -55 psf Missile Level D	SIMP2013
3	Opaque Wood Inswing Side Hinged Doors; X	MST: 3'2" x 6'10" DP: +55 / -55 psf Missile Level D	SIMP2013
4	Opaque Wood Outswing Side Hinged Doors; X	MST: 3'2" x 6'10" DP: +55 / -55 psf Missile Level D	SIMP2013

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	37-17/32" x 81-7/8"	36" x 80"	27" x 67"
2	37-3/4" x 81-5/8"	36" x 80"	27" x 67"
3	37-17/32" x 81-7/8"	36" x 80"	N/A
4	37-3/4" x 81-5/8"	36" x 80"	N/A

Hardware:

Hinges: Three (3) required; secured to the door panel with four (4) No. 9 x 3/4" screws; secured to the door jamb with two (2) No. 10 wood screws. NOTE: the remain two holes are filled with fasteners as specified in the approved drawings.

Deadbolt: Either a Kwikset 980 Series or a Schlage B60; located on the door panel

Passage Lock: Either a Kwikset 400 Series or a Schlage F Series; located on the door panel

Deadbolt Strike Plate: one required; located on the door jamb; secured with two (2) fasteners as specified in the approved drawings.

Passage Lock Strike Plate: one (1) required; located on the door jamb; secured with two (2) fasteners as specified in the approved drawings.

Product Identification (Certification Agency Label on Door):

System		
1, 2	Certification agency	NAMI
	Manufacturer's name or code name	Simpson Door Company
	Product name	7901 Wood Glazed Inswing & Outswing Single Door
	Test standards	ASTM E 330-02; ASTM E 1886-05; ASTM E 1996-09; Missile Level D
3, 4	Certification agency	NAMI
	Manufacturer's name or code name	Simpson Door Company
	Product name	7901 Wood Opaque Inswing & Outswing Single Door
	Test standards	ASTM E 330-02; ASTM E 1886-05; ASTM E 1996-09; Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3, 4	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.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified are acceptable with the limitations in this report.

Installation:

System		
1, 2, 3, 4	Type of installation	Install in accordance with Simpson Door Company drawing SIMP2013; titled "Series 7901 Glazed and/or Opaque Wood Door-Inswing & Outswing;" dated July 10, 2018; signed and sealed by Robert James Amoruso, P.E. on March 6, 2020.
	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 and the IBC.