

## Product Evaluation

DR1016 | 0519

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-1016

**Effective Date:** May 1, 2019

**Re-evaluation Date:** April 2023

**Product Name:** 7900 Series Thermally-Broken Aluminum Side Hinged Doors, Inswing, Singles, Frame Installation, Non-Impact Resistant

**Manufacturer:** Western Window Systems LLC

2200 East Riverview Drive

Phoenix, Arizona 85034

(877) 268-6173

### General Description:

System	Description	Label rating	Design Pressure Rating
1	7900 Series Thermally-Broken Aluminum Side Hinged Doors; Inswing, Single (X)	CW-PG50 48 x 120-LW-SHD	+/-50 psf

### Component Dimensions:

System	Overall Size	Panel Size
1	Inswing: 48" x 120"	45.60" x 117.60"

**Hardware:**

**4" x 4.5" Butt Hinges (4):** Located approximately 6.13" and 40.88" from each end of the door panel hinge stile. Attach the butt hinges with four minimum No. 12 x 1" PFH screws into the stile and into an aluminum supports in the stile hollow.

**Hoppe 6-point locking system (1 set):** The handle and thumb turn assembly located approximately 36" from the bottom of the panel. The latch was approximately 37" and the deadbolt was 32.25" from the bottom of the panel. Both the latch and deadbolt engaged a metal strike plate attached to the jamb with three minimum No. 10 x 0.5" PFH screws. The throws on the jamb strike of the stile were approximately 13.25" from each end and each three engaged a metal strike attached the lock jamb with 2 minimum No. 10 x 0.5" PFH screws.

**Sill:** Extruded aluminum; 1.688" height

**Product Identification (Certification Agency Label on Door):**

System		
1	Certification agency	AAMA
	Manufacturer's name or code name	WWD-1
	Product name	7900 IS DOOR
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-17

**Impact Resistance:**

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

**Installation:**

System			
1	Type of installation	Frame Installation	
	Wall framing	Southern Yellow Pine dimension lumber	
	Fasteners	Minimum No. 12 x 3" PFH screws	
	Fastener embedment	Minimum of 1-1/2" into the wall framing	
	Fastener location/spacing	Head and lock jamb	Approximately 6" from each end and 18" on center
Hinge jamb		Approximately 6" from each end and two per hinge leaf	

**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.