

## Product Evaluation

DR996 | 1020

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-996

**Effective Date:** October 1, 2020

**Re-evaluation Date:** March 2024

**Product Name:** FeelSafe Monument Aluminum Clad Wood Glazed Outswing Side Hinged Doors, Fin and Frame Installation, Impact Resistant

**Manufacturer:** Sierra Pacific Windows  
575 South Whelen Ave  
Medford, WI 54451  
(715) 748-2011

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	FeelSafe Monument Clad Wood Glazed Outswing Hinged Door, XX	LC-PG65 (76 x 123)-SHD Missile Level D	+65 / -90 psf
2	FeelSafe Monument Clad Wood Glazed Outswing Full Radius Hinged Door, XX	LC-PG65 (76 x 123)-SHD Missile Level D	+65 / -90 psf

### Product Dimensions:

System	Overall Size	Maximum Door Panel Size	Door Panel Glass Daylight Opening Size
1	75-1/5" x 122-1/2"	37" x 120"	27" x 106-1/8"
2	75-1/2" x 122-1/2"	35-7/8" x 120"	27" x 108-1/8"

**Hardware:**

- **2-point Lock:** Hoppe; shoot bolts at head and sill; Located on the passive door panel stile.
- **5-point Lock;** Hoppe; three (3) locking points and shoot bolts at the head and sill; Located on the active door panel stile
- **Handle set:** Hoppe; Located on the active and passive door panel.
- **Latch Strike Plate:** One (1) required; locate on passive door stile; secured with three (3) No. 8 x 3/4" PFH screws.
- **Tongue Strike Plate:** Two (2) required; located on the passive door stile; secured with two (2) No. 8 x 3/4" PFH screws.
- **Head Strike Plate:** One (1) required; locate at the frame head; secured with three (3) No. 10 x 2-1/2" PFH screws and two (2) No. 10 x 1" PFH screws.
- **Sill Strike Plate:** One (1) required; locate at the frame sill; secured with three (3) No. 10 x 2-1/2" PFH screws.
- **Hinges:** Butt hinges; Five (5) required per door panel; secured to the door panel with three (3) No. 12 x 1-1/4" PFH screws and one (1) No. 12 x 2-1/2" PFH screw; secured to the door jamb with three (3) No. 12 x 3/4" PFH screws and one (1) No. 12 x 2-1/2" PFH screw (long enough to penetrate a minimum of 1/1/2" into the wall framing).

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

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe Monument Outswing Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-09; Missile Level D
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe Outswing Full Radius Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11, 17 ASTM E 1886-13a/E1996-14; Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-2	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.

**Installation (One of the Following):****System 1:**

**Fin Installation:** The wall framing must be minimum Southern Yellow Pine dimension lumber. The assembly must be secured to the wall framing using the aluminum nailing fin with minimum No. 8 PPH screws. The fasteners are located approximately 1" from each corner and 8" on center along the head, sill, and each side jamb. Secure the head strike plate, sill strike plate and hinges to the wall framing as noted in the hardware section. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

**Frame Installation:** The wall framing must be minimum Southern Yellow Pine dimension lumber. The assembly must be secured to the wall framing using the door frame. Secure the head and the sill to the wall framing with minimum No. 10 x 2-1/2" PFH screws. Along the head, locate the fasteners approximately 6" and 20-1/2" from each corner. Along the sill, locate the fasteners approximately 8" on center. Secure the head strike plate, sill strike plate, and hinges to the wall framing as noted in the hardware section. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

**System 2:**

**Fin Installation:** The wall framing must be minimum Southern Yellow Pine dimension lumber. The assembly must be secured to the wall framing using the aluminum nailing fin with minimum No. 8 PPH screws. The fasteners are located approximately 2" from each corner and 8" on center along the head, sill, and each side jamb. Secure the head strike plate, sill strike plate, and hinges to the wall framing as noted in the hardware section. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

**Frame Installation:** The wall framing must be minimum Southern Yellow Pine dimension lumber. The assembly must be secured to the wall framing using the door frame. Secure the head and the sill to the wall framing with minimum No. 10 x 2-1/2" PFH screws. Along the head and side jambs, locate the fasteners approximately 6" from each corner and 15"-16" on center. Along the sill, locate the fasteners approximately 6" from each corner and 21" on center. Secure the head strike plate, sill strike plate, and hinges to the wall framing as noted in the hardware section. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

**Clip Installation:** The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The assembly must be secured to the wall framing with installation clips (20-gauge galvanized steel, 1-1/2" wide, minimum 5" long). Secure the clips to the door frame with

two (2) No. 6 x 5/8" and one No. 6 screws, and to the wall framing with two (2) No. 6 PPH screws. Place one (1) clip at the centerline along the sill. Along the head and side jambs, locate the clips approximately 6" from each corner and 15" on center. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

**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.