

## Product Evaluation

WIN2321 | 1222

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:** WIN-2321

**Effective Date:** December 1, 2022

**Re-evaluation Date:** October 2023

**Product Name:** FeelSafe Aluminum Clad Wood Monument 2-Wide Single Hung Windows, 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	Aluminum Clad Wood Single Hung Window; 2-Wide	LC-PG60 48 x 100-H LC-PG60 Span (100) x TW (48)-MA Missile Level D	+60 / -60 psf

### Product Dimensions:

System	Overall Size	Individual Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	96-1/4" x 100"	48" x 100"	45-5/8" x 48-3/4"	41-11/16" x 44-11/16"

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

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe Aluminum Clad Monument Double/Single Hung Muller
	Test Standards	AAMA/WDAA/CSA 101/I.S.2/A440-11 ASTM E 1886-13; ASTM E 1996-12 Missile Level D

**Compliance:** The products comply with AAMA/WDMA/CSA 101/I.S.2/A440-17, ASTM E 1886-13a, and ASTM E 1996-14a as referenced in the 2018 IRC and 2018 IBC.

**Impact Resistance:**

System	Impact Resistant	Requirement
1	Yes	These products have been tested for windborne debris resistance. They satisfy Missile Level D requirements specified in ASTM E 1996-14a.

**Installation (One of the following):**

**Option 1:** The wall framing must be minimum Southern Yellow Pine dimension lumber. The window assembly must be secured to the wall framing using the aluminum nailing flange of the window with minimum No. 8 PPH screws. The fasteners are located approximately 2" from each corner and 8" on center along the perimeter of the window. At the head, use No. 10 x 2-1/2" PFH SS screws through the frame. Locate the fasteners at approximately 3" and 6" on either side of the vertical mull. At the sill, use galvanized steel L-clips (1-1/2" wide x 5" long x 20-gauge). The L-clips are located approximately 3" and 6" on either side of the vertical mull. The L-clips are secured to the window frame with three (3) No. 6 x 1/2" Tek screws. The L-clips are secured to the wall framing with two (2) No. 8 PPH screws. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

**Option 2:** The wall framing must be minimum Southern Yellow Pine dimension lumber. The window assembly must be secured to the wall framing using the frame of the window with minimum No. 10 x 2-1/2" PFH screws. The fasteners are located approximately 6" from each corner at the head and side jambs, 15" on center along each side jamb, at the mid span of each window at the head, and approximately 3" and 6" on either side of the vertical mull. At the sill, use galvanized steel L-clips (1-1/2" wide x 5" long x 20-gauge). The L-clips are located approximately 6" from each corner, at the mid span of each window, and 3" and 6" on either side of the vertical mull. The L-clips are secured to the window frame with three (3) No. 6 x 1/2" Tek screws. The L-clips are secured to the wall framing with two (2) No. 8 PPH screws. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

**Option 3:** The wall framing must be minimum Southern Yellow Pine dimension lumber. The window assembly must be secured to the wall framing using the frame of the window with galvanized steel L-clips (1-1/2" wide x 5" long x 20-gauge). The L-clips are located approximately 6" from each corner, 10" on center along the head, 12" on center along each side jamb, and 3" and 6" on either side of the vertical mull. The L-clips are secured to the window frame with three (3) No. 6 x 1/2" Tek screws. The L-clips are secured to the wall framing with two (2) No. 8 PPH screws. At the head, use No. 10 x 2-1/2" PFH SS screws through the frame. Locate the fasteners approximately 3" and 6" on either side of the vertical mull. 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.