

Product Evaluation

WIN2656 | 1121

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-2656

Effective Date: November 1, 2021

Re-evaluation Date: November 2025

Product Name: FeelSafe Aluminum Clad Wood Fixed Casement 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	FeelSafe Fixed Casement Windows; O	CW-PG65 (65.19 x 95.19)-FW Missile Level D	+65 / -70 psf
2	FeelSafe Fixed Casement Windows; O	CW-PG65 Span (90.19) x TW (48.19)-MA Missile Level D	+65 / -70 psf
3	FeelSafe Fixed Casement Windows; O	CW-PG50 (72.19 x 72.19)-FW Missile Level D	+50 / -50 psf

Product Dimensions:

System	Overall Size	Sash Size	Fixed Sash Daylight Opening Size
1	65-3/16" x 95-3/16"	63-9/16" x 93-9/16"	59" x 89"
2	96-5/8" x 90-3/16"	46-9/16" x 88-9/16"	42" x 84"
3	72-3/16" x 72-3/16"	70-9/16" x 70-9/16"	66" x 66"

Product Identification (Certification Label on Window):

System		
1-3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe Fixed Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17 ASTM E1886-13,13a/E1996-14,14a Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-3	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:**System 1 (one of the following):**

Screw Thru Frame: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing with minimum No. 10 x 3" PFH screws. Locate the screws approximately 8" from each corner and 15-5/8" on center along the side jambs. Along the head and sill, locate the screws approximately 8" from each corner and 16-3/8" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nail Fin: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using an extruded aluminum nailing fin. The nailing fin is secured to the wall framing with No. 8 PPH screws or 11-gauge x 1-5/8" galvanized roofing nails. If using screws, locate the screws approximately 3"-4" from each corner and 8" on center along the perimeter. If using nails, locate the nails 3" from each corner and 4" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Anchor Straps: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing with 20-gauge x 1-1/2" wide x 5" long galvanized steel anchor straps. Secure the straps to the window frame

with two No. 6 x 5/8" PFH screws and one No. 6 self-tapping screw, and to the wall framing with two No. 8 PPH screws. Locate the straps approximately 8" from each corner and 15-5/8" on center along the side jambs. Along the head and sill, locate the straps approximately 8" from each corner and 16-3/8" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 2: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing at the sill with 20-gauge x 1-1/2" wide x 5" long galvanized steel anchor straps. Secure the straps to the window frame with two No. 6 x 5/8" PFH screws and one No. 6 self-tapping screw, and to the wall framing with two No. 8 PPH screws. Locate the straps approximately 4"-8" from each side of the mull, and 8" from each corner with one at the midspan. No. 10 x 3" screws were used along the head and side jambs. Along the head, locate the screws approximately 8" from each corner and one at the midspan. Along the side jambs, locate the screws 7-1/2" from each corner and 15" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 3: The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing with No. 10 x 3" PFH screws. Locate the screws approximately 6" from each corner and 15" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

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.