

Product Evaluation

WIN2297 | 1022

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-2297

Effective Date: October 1, 2022

Re-evaluation Date: October 2026

Product Name: FeelSafe H3 2.0 Aluminum Clad Vinyl Wood Main Frame, Aluminum Clad Wood Sash, Casement Combination Windows, Fin Installation, Impact Resistant

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

General Description:

System	Description	Label Rating	Design Pressure Rating
1	FeelSafe H3 2.0 Casement Oper-Pict-Oper Composite w/ 3-Wide Composite Transom	LC-PG50 119.5 Span / 49.75 Tributary Width - MA Missile Level D; +50/-60 psf	+50 / -60 psf
2	FeelSafe H3 2.0 Casement Oper-Pict-Oper Composite	LC-PG50 120 x 72 - C Missile Level D; +50/-60 psf	+50 / -60 psf

Product Dimensions:

System	Overall Size	Composite Transom and Casement Size	Sash Size
1	119-1/2" x 99-1/4"	Transom: 119-1/2" x 27-1/2" Casement: 119-1/2" x 71-1/2"	Csmt Oper: 29-3/4" x 69-3/4" Csmt Pict: 55-3/4" x 69-3/4" Trnsm (Ends): 29-3/4" x 25-3/4" Trnsm (Center): 55-3/4" x 25-3/4"
2	119-1/2" x 71-1/2"	Casement: 119-1/2" x 71-1/2"	Casement Operator: 29-3/4" x 69-3/4" Casement Picture: 55-3/4" x 69-3/4"

Product Identification (Certification Label on Window):

System		
1, 2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	FeelSafe H3 2.0 Casement
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E 1886-13; ASTM E 1996-14; 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, 2	Yes	These products have been tested for windborne debris resistance. They satisfy Missile Level D requirements specified in ASTM E 1996-14a.

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

Installation:

System 1: Fasten the window to minimum Southern Yellow Pine dimension lumber using the integral nailing fin at the head, sill, and side jambs of the window frame. Secure the nailing fin to the wall framing with minimum No. 8 PPH screws. Locate the fasteners approximately 2" from each corner and approximately 4" on center. In addition, installation clips (galvanized steel, 20-gauge, 5"-8" long x 1-1/2" wide) are required. Locate one (1) clip at the midspan of the two casement side jambs, at the midspan of the lower center picture at the sill, and approximately 3" on each side of the horizontal mull at each end. The installation clips are secured to the window frame with three (3) No. 6 x 5/8" PFH screws and are secured to the wall framing with two (2) No. 8 PPH screws. One (1) installation clip is also required at each end of the vertical mull posts. The installation clips are secured to the mull post with two (2) No. 8 x 2-1/2" PH SS screws and are

secured to the wall framing with two (2) No. 8 PPH screws. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing. The nailing fin is silicone sealed to the window frame.

System 2: Fasten the window to minimum Southern Yellow Pine dimension lumber using the integral nailing fin at the head, sill, and side jambs of the window frame. Secure the nailing fin to the wall framing with minimum No. 8 PPH screws. Locate the fasteners approximately 2" from each corner and approximately 4" on center. In addition, installation clips (galvanized steel, 20-gauge, 5"-8" long x 1-1/2" wide) are required. Locate one (1) clip at the midspan of the two casement side jambs and at the midspan of the center picture at the head and the sill. The installation clips are secured to the window frame with three (3) No. 6 x 5/8" PFH screws and are secured to the wall framing with two (2) No. 8 PPH screws. One (1) installation clip is also required at each end of the vertical mull posts. The installation clips are secured to the mull post with two (2) No. 8 x 2-1/2" PH SS screws and are secured to the wall framing with two (2) No. 8 PPH screws. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing. The nailing fin is silicone sealed to the window frame.

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.