

Product Evaluation

WIN2300 | 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-2300

Effective Date: October 1, 2022

Re-evaluation Date: September 2026

Product Name: FeelSafe H3 2.0 Aluminum Clad Vinyl Wood Main Frame, Aluminum Clad Wood Sash, Double Hung Single or Combination Mull 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 Double Hung Single or Combination Mull | LC-PG50 48 X 84-H LC-PG50 83.5 Span x 47.75 Trib Width - MA Missile Level D; +50/-60 psf | +50 / -60 psf |
| 2 | FeelSafe H3 2.0 Double Hung Single Lock | LC-PG50 27.5 x 83.5-H LC-PG50 83.5 Span x 27.75 Trib Width - MA Missile Level D; +50/-60 psf | +50 / -60 psf |

Product Dimensions:

| System | Overall Size | Single Unit Size | Sash Size |
|--------|-------------------|-------------------|--------------------------------|
| 1 | 95-1/4" x 83-1/2" | 47-1/2" x 83-1/2" | Top/Bottom: 44-1/8" x 40-9/16" |
| 2 | 55-1/4" x 83-1/2" | 27-1/2" x 83-1/2" | Top/Bottom: 24-1/8" x 41-1/4" |

Product Identification (Certification Label on Window):

| System | | |
|--------|----------------------------------|--|
| 1 | Certification Agency | WDMA |
| | Manufacturer's Name or Code Name | Sierra Pacific Windows |
| | Product Name | FeelSafe H3 2.0 Double Hung |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E 1886-13; ASTM E 1996-14; Missile Level D |
| 2 | Certification Agency | WDMA |
| | Manufacturer's Name or Code Name | Sierra Pacific Windows |
| | Product Name | FeelSafe H3 2.0 Double Hung Single Lock |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E 1886-13a; 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 3" 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. The installation clips are secured to the window frame with three No. 6 x 5/8" PFH screws and are secured to the wall framing with two No. 8 PPH screws. Locate one clip at the meeting rail locations of each side jamb. For two-wide units,

installation clips are required approximately 3" on each side of the mull at the head and the sill. 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 3" from each corner and approximately 6"-8" on center. For two-wide units, installation clips (galvanized steel, 20-gauge, 5"-8" long x 1-1/2" wide) are required approximately 3" on each side of the mull 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. 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.