

Product Evaluation

WIN2246 | 1221

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-2246

Effective Date: December 1, 2021

Re-evaluation Date: December 2025

Product Name: H3 2.0 Aluminum Clad Vinyl Wood Main Frame, Aluminum Clad Wood Sash, Double Hung Windows, Fin and Frame Installation, Non-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 | H3 2.0 Double Hung Windows | LC-PG50 (48 x 84)-H | +50 / -50 psf |
| 2 | H3 2.0 Insert Double Hung Windows | LC-PG45 (47.5 x 83.5)-H | +45 / -50 psf |
| 3 | H3 2.0 Pocket Double Hung Windows | LC-PG40 (47.5 x 83.5)-H | +40 / -50 psf |

Product Dimensions:

| System | Overall Size | Exterior Sash Size | Interior Sash Size |
|--------|-------------------|---------------------|---------------------|
| 1 | 47-1/2" x 83-1/2" | 44-1/8" x 40-9/16" | 44-1/8" x 41-11/16" |
| 2 | 47-1/2" x 83-1/2" | 44-1/8" x 40-15/16" | 44-1/8" x 41-1/4" |
| 3 | 47-1/2" x 83-1/2" | 44-1/8" x 40-13/16" | 44-1/8" x 40-13/16" |

Product Identification (Certification Label on Window):

| System | | |
|--------|----------------------|---------------------------------------|
| 1 | Certification Agency | WDMA |
| | Manufacturer's Name | Sierra Pacific Windows |
| | Product Name | H3 2.0 Double Hung |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-11 |
| 2 | Certification Agency | WDMA |
| | Manufacturer's Name | Sierra Pacific Windows |
| | Product Name | H3 2.0 Double Hung Insert |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08,11,17 |
| 3 | Certification Agency | WDMA |
| | Manufacturer's Name | Sierra Pacific Windows |
| | Product Name | H3 2.0 Double Hung Pocket |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08,11,17 |

Impact Resistance:

| System | Impact Resistant | Requirement |
|--------|------------------|--|
| 1-3 | No | Provide an impact protective system when installing the product in areas that require windborne debris protection. |

Installation:

System 1: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing through the nailing fin. The nailing fin is secured to the wall framing with No. 8 PPH screws. Locate the screws approximately 1"-3" from each corner and 6"-8" on center along the perimeter. 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 with No. 8 x 3" screws through the head and side jambs. Locate the screws approximately 7" from each corner and one at the mid span along the side jambs, and 7" from each corner along the head. 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. 6 PPH screws. Locate the screws approximately 2" from each corner and 12" on center. In addition, secure the side jambs

with No. 8 x 2-1/2" PFH screws located 6" from each corner and spaced 26" on center. 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.