

## Product Evaluation

WIN2248 | 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-2248

**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, Casement Picture Windows, Fin 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 Casement Picture Windows; O	CW-PG40 (71.5 x 83.5)-FW	+40 / -40 psf
2	H3 2.0 HP Casement Picture Windows; O	CW-PG50 (71.5 x 83.5)-FW	+50 / -50 psf
3	H3 2.0 Casement Picture Windows; O	CW-PG35 (59.5 x 100)-FW	+35 / -35 psf
4	H3 2.0 HP Casement Picture Windows; O	CW-PG50 (59.5 x 100)-FW	+50 / -50 psf

**Product Dimensions:**

System	Overall Size	Sash Size	Fixed Sash Daylight Opening Size
1-2	71-1/2" x 83-1/2"	69-3/4" x 81-3/4"	66-1/2" x 78-1/2"
3-4	59-1/2" x 100"	57-3/4" x 98-1/4"	54-1/2" x 95"

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

System		
1, 3	Certification Agency	WDMA
	Manufacturer's Name	Sierra Pacific Windows
	Product Name	H3 2.0 Casement Picture
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11,17
2, 4	Certification Agency	WDMA
	Manufacturer's Name	Sierra Pacific Windows
	Product Name	H3 2.0 Casement Picture-HP
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11,17

**Impact Resistance:**

System	Impact Resistant	Requirement
1-4	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**Installation:**

**Systems 1, 3:** The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing through the integral vinyl nailing fin. The nailing fin is secured to the wall framing with No. 8 PPH screws. Locate the screws approximately 2"-4" from each corner and 7"-8" on center on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Systems 2, 4:** The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing through the integral vinyl nailing fin. The nailing fin is secured to the wall framing with No. 8 PPH screws. Locate the screws approximately 2"-4" from each corner and 7"-8" on center on center along the perimeter. In addition, one masonry clip (20-gauge x 1-1/2" x 5" galvanized steel) is secured at the center of the head, sill, and each side jamb. Secure the clips to the window frame with No. 7 x 5/8" screws and to the wall framing with two (2) No. 8 PPH screws. 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.