

Product Evaluation

WIN2444 | 0120

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-2444

Effective Date: January 1, 2020

Re-evaluation Date: January 2024

Product Name: Aluminum Clad Wood Direct Set Fixed Windows, Muller Combination, 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	Aluminum Clad Wood Direct Set Fixed Windows; 2-wide	LC-PG50 Span (72) x TW (50)-MA	+50 / -50 psf
2	Aluminum Clad Wood Direct Set Fixed Windows; 90-degree corner unit; 2-wide	CW-PG50 Span (72.25) x TW (51)-MA	+50 / -65 psf
3	Aluminum Clad Wood Direct Set Fixed Windows; 2-wide	CW-PG50 Span (86) x TW (50)-MA	+50 / -50 psf

Product Dimensions:

System	Overall Size	Fixed Glass Daylight Opening Size
1	100" x 71-7/8"	47-1/8" x 69-1/8"
2	51" x 72-1/4"	45-3/16" x 69-3/16"
3	100" x 86"	47-3/16" x 83-3/16"

Product Identification (Certification Label on Window):

System		
1-3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Sierra Pacific Windows
	Product Name	Aluminum Clad Direct Set
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11

Assembly Labelling: The assembly will bear the WDMA label noted in the Product Identification section of this evaluation report. In addition, the individual windows in the mullled assembly will bear a WDMA label. Refer to the appropriate TDI evaluation report for the individual windows in the mullled assembly for the information specified on the WDMA label.

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 using a vinyl nailing flange. The nailing flange is secured to the wall framing using minimum No. 8 PPH screws. Locate the screws approximately 7" from each corner and 7" on center along the perimeter. On both sides of the mullion, use minimum No. 10 x 2-1/2" PFH screws located approximately 3" and 6" from center of mull head and sill. 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 Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using an applied aluminum nailing flange. The nailing flange is secured to the wall framing using minimum No. 8 PPH screws spaced approximately 1"-3" from the corners and 8"-9" on center along the perimeter. 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 Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using an applied aluminum nailing flange. The nailing flange is secured to the wall framing using minimum No. 8 PPH screws spaced approximately 1"-3" from the corners and 7" on center along the perimeter. Two (2) minimum No. 10 x 2-1/2" PFH screws were placed through the head and sill at the mull location spaced approximately 3" and 6" off each side of the mull seam. 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.