

## Product Evaluation

WIN2380 | 0619

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 1-800-248-6032.

**Evaluation ID:** WIN-2380

**Effective Date:** June 1, 2019

**Re-evaluation Date:** June 2023

**Product Name:** Aluminum Clad Wood Casement 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	Aluminum Clad Wood French Casement Windows	LC-PG50 73 x 60-C	+50 / -50 psf
2	Aluminum Clad Wood French Casement Windows	LC-PG40 73 x 72-C	+40 / -40 psf
3	Aluminum Clad Wood Springline Casement Windows	LC-PG45 36 x 72-C	+45 / -45 psf
4	Aluminum Clad Wood Casement Windows; Arch Top	CW-PG50 36 x 72-C	+50 / -65 psf
5	Aluminum Clad Wood Casement Windows	CW-PG50 36 x 84-C	+50 / -50 psf

**Product Dimensions:**

System	Overall Size	Sash Size
1	72.50" x 60.25"	34.56" x 58.25"
2	72.50" x 72.25"	34.56" x 70.56"
3-4	36.19" x 72.19"	34.50" x 70.50"
5	36.19" x 84.19"	34.50" x 82.63"

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

System		
1-2	Certification agency	WDMA
	Manufacturer's name or code name	Sierra Pacific Windows
	Product name	Aluminum Clad French Casement
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
3	Certification agency	WDMA
	Manufacturer's name or code name	Sierra Pacific Windows
	Product name	Aluminum Clad Springline Casement
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
4	Certification agency	WDMA
	Manufacturer's name or code name	Sierra Pacific Windows
	Product name	Aluminum Clad Arch Casement
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11
5	Certification agency	WDMA
	Manufacturer's name or code name	Sierra Pacific Windows
	Product name	Aluminum Clad Casement
	Test standards	AAMA/WDMA/CSA 101/I.S.2/A440-11

**Impact Resistance:**

System	Impact resistant	Requirement
1-5	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**Installation:****Nail Fin Installation (System 1-2):**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using vinyl nail flanges. The nail flanges are secured to the wall framing using minimum 2" long smooth shank roofing nails with a 0.12" (11-gauge) shaft diameter and a 0.39" head. Locate the roofing nails approximately 2" from each corner and 7" on center along the perimeter. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Nail Fin Installation (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 nail flanges on the side jambs and sill. The radius head jamb used an applied aluminum drip cap/nail flange. The aluminum drip cap is secured to the window frame using minimum No. 6 x 1/2" PPH SS screws spaced approximately 1" from the ends and 8"-10" on center. The nail flanges are secured to the wall framing using minimum 2" long smooth shank roofing nails with a 0.12" (11-gauge) shaft diameter and a 0.39" head. Locate the nails approximately 2" from each corner and 7" on center. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Nail Fin Installation (System 4):**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using vinyl nail flanges at the side and sill and an applied aluminum nail flange at the arch head. The nail flanges are secured to the wall framing using minimum No. 8 x 1-1/4" PPH screws. Locate the screws approximately 1"-3" from each corner and 7" on center along the perimeter. The fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Nail Fin Installation (System 5):**

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using vinyl nail flanges. The nail flanges are secured to the wall framing using minimum No. 8 x 1-1/4" PPH screws. Locate the screws approximately 2"-3" from each corner and 6"-8" on center along the perimeter. The 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, the IBC, and the Texas Revisions.