

## Product Evaluation

WIN2492 | 1120

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-2492

**Effective Date:** November 1, 2020

**Re-evaluation Date:** November 2024

**Product Name:** Pinnacle Series Aluminum Clad Wood Fixed Double Hung Picture Windows, Impact Resistant

**Manufacturer:** Windsor Windows and Doors  
900 South 19<sup>th</sup> Street  
West Des Moines, IA 50265  
(515) 223-6660

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Pinnacle Series Clad Wood Fixed Double Hung Picture Windows	CW-PG50-FW (73.375 x 76.75)	+50 / -65 psf
2	Pinnacle Series Clad Wood Fixed Double Hung Picture Windows	CW-PG50-FW (49.375 x 96.75)	+50 / -65 psf

### Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
1	73-3/8" x 76-3/4"	67-1/8" x 68-5/8"
2	49-3/8" x 96-3/4"	43-1/8" x 88-5/8"

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

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name	Windsor Windows & Doors
	Product Name	Pinnacle Series DH Pic
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11,17 ASTM E1886-13a/E1996-14; Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-2	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Installation:**

**Nail Fin:** The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing through a nailing fin. The nailing fin is secured to the wall framing with No. 8 x 2-1/2" screws. Locate the screws approximately 4" from each corner and 8-10" on center thereafter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Screw Through Frame:** The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing with No. 8 x 3" screws. Locate the screws approximately 6" from each corner along the head and sill, and 6" from each corner and 12" on center along the side jambs. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Clip Installation:** The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using galvanized steel installation clips (1-1/2" x 7-13/16 x 0.036"). Secure the clips to the window frame with two (2) No. 8 x 5/8" screws and to the wall framing with No. 8 screws. Locate two (2) clips evenly spaced along the head and sill, and six (6) clips evenly spaced along the side jambs. 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.