

Product Evaluation

WIN475 | 1022

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-475

Effective Date: October 1, 2022

Re-evaluation Date: October 2026

Product Name: Architect Series Aluminum Clad Wood Vent Awning Windows, Impact Resistant

Manufacturer: Pella Corporation

102 Main St.

Pella, IA 50219

(641) 621-1000

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Architect Series Aluminum Clad Wood Vent Awning Windows; SGP	LC-PG75 (1499 x 889mm)-AP Missile Level D	+75 / -85 psf
2	Architect Series Aluminum Clad Wood Vent Awning Windows; PVB	LC-PG75 (1499 x 889mm)-AP Missile Level D	+75 / -75 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Sash Daylight Opening Size
1-2	59" x 35"	57" x 33"	53.25" x 29.25"

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Pella Corporation
	Product Name	Pella/Architect - Large Awning
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886/E1996-05, Missile Level D

Compliance: The products comply with AAMA/WDMA/CSA 101/I.S.2/A440-17, ASTM E 1886-13a, and ASTM E 1996-14a as referenced in the 2018 IRC and 2018 IBC.

Impact Resistance:

System	Impact Resistant	Requirement
1	Yes	These products have been tested for windborne debris resistance. They satisfy Missile Level D requirements specified in ASTM E 1996-14a.

Installation:

Option #1: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using No. 10 x 3-1/2" screws. Locate the screws approximately 6" from each corner and 15" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Option #2: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using steel installation clips (2" x 6" x 0.050"). Locate the clips approximately 6" from each corner and 15" on center along the perimeter. Secure the clips to the window frame with two (2) No. 6 x 5/8" screws and to the wall framing with two (2) No. 6 screws. Each clip is bent 90-degrees to wrap the end of the clip around the interior face of the wall framing. 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.