

Product Evaluation

WIN2764 | 0823

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-2764

Effective Date: August 1, 2023

Re-evaluation Date: August 2027

Product Name: Fiberglass Clad Wood Elevate Awning Windows, Fin and Frame Installation, Impact Resistant

Manufacturer: Marvin
P.O. Box 100
Highway 11 West
Warroad, MN 56763
218-386-4021

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Elevate Awning IZ3 Window; O	LC-PG55 (32 x 47.12) Missile Level D	+55 / -65 psf
2	Elevate Awning IZ3 Window; O	LC-PG55 (48 x 47.12) Missile Level D	+55 / -65 psf

Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
1	32" x 47-1/8"	30-5/16" x 45-7/16"
2	48" x 47-1/8"	46-5/16" x 45-7/16"

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin
	Product Name	Elevate Awning IZ3
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11,17 ASTM E1886-13a/E1996-14a 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 (One of the following):

Screws 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 minimum No. 8-18 x 3" screws. Locate the fasteners approximately 4" from each corner and at midspan on the head jamb. Locate the fasteners approximately 3-1/2", 23-1/2", and 43-1/2" up from the sill on side jambs. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Nailing Fin with Clips: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using the nailing fin with minimum 2" long, 12-gauge smooth shank roofing nails. Locate the fasteners approximately 4" from each corner and 7" o.c. along the perimeter of the window. In addition, installation clips must be secured to the window along head jamb and side jambs with three (3) No. 7 x 5/8" wood screws. Attach installation clips to wall framing with three (3) No. 8 x 1-1/4" drywall screws. Locate clips 6" from each corner and spaced 18" on center.

Structural Brackets: The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing with structural brackets (minimum 19-gauge x 1-3/4" x 1-2/3" galvanized steel). Secure the brackets to the window frame with two (2) No. 7 x 5/8" screws and to the wall framing with 2 (2) No. 8 x 1-5/8" screws. Locate the brackets approximately 6" from each end and 12" (max.) on center along all sides. 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.