

## Product Evaluation

WIN2453 | 0220

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-2453

**Effective Date:** February 1, 2020

**Re-evaluation Date:** February 2024

**Product Name:** Model 1210 Premium Coastal Aluminum Clad Wood Awning Windows, Impact Resistant

**Manufacturer:** Weather Shield Mfg., Inc.  
One Weather Shield Plaza  
Medford, WI 54451  
(715) 748-2100

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Model 1210 Premium Coastal Awning Windows	LC-PG55 (60 x 42)-AP Missile Level D	+55 / -70 psf
2	Model 1210 Premium Coastal Awning Windows w/ Picture Window Stacked Above; Horizontal Mullion	LC-PG55 Span (59.5) x TW (41.5)- MA Missile Level D	+55 / -70 psf
3	Model 1210 Premium Coastal Awning Windows w/ Picture Window Stacked Above; Vertical Mullion	LC-PG55 Span (83) x TW (60)-MA Missile Level D	+55 / -70 psf

**Product Dimensions:**

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	59.50" x 41.50"	58.06" x 40.06"	N/A
2-3	119.50" x 83"	58.06" x 40.06"	53.75" x 35.75"

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

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Weather Shield
	Product Name	Model 1210 Premium Coastal Awning Clad Wood
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-12; Missile Level D
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Weather Shield
	Product Name	Model 1210 Premium Coastal Awning/Picture Comb Clad Wood
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-12; Missile Level D AAMA 450-10
3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Weather Shield
	Product Name	Model 1210 Premium Coastal Twin Awning/Twin Picture Comb Clad Wood
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 ASTM E1886-05/E1996-12; Missile Level D AAMA 450-10

**Impact Resistance:**

System	Impact Resistant	Requirement
1-3	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. 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):****Option #1: Nail Fin Installation (System 1):**

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using an integral vinyl nailing fin. The nailing fin is secured to the wall framing using minimum No. 6 x 1-5/8" screws. Locate the screws approximately 4" from each corner and 8"-10" on center along the perimeter of the window. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Option #2: Screw Through Frame (System 1):**

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using minimum No. 10 x 2-1/2" screws spaced approximately 4" from each corner and 12"-14" on center along the perimeter of the window. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Option #3: Installation Clips (System 1):**

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using 1-1/2" x 5-1/2" long, 20-gauge galvanized steel installation clips. Secure the clips to the window framing using four (4) minimum No. 8 PFH screws and to the wall framing using four (4) minimum No. 6 x 1-5/8" screws. Locate the clips approximately 3"-4" from each corner and 10"-12" on center.

**Option #1: Nail Fin Installation (System 2-3)**

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using an integral vinyl nailing fin. The nailing fin is secured to the wall framing using minimum No. 6 x 1-5/8" screws. Locate the screws approximately 4" from each corner and 12"-14" on center along the perimeter of the window. Two 1-1/2" x 5-1/2" long galvanized steel clips were located at the mull locations spaced approximately 3" on each side of the mull center. Secure the clips to the window framing using four (4) minimum No. 8 PFH screws and to the wall framing using four (4) minimum No. 6 x 1-5/8" screws. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Option #2: Screw Through Frame (System 2-3):**

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using minimum No. 10 x 2-1/2" screws spaced approximately 4" from each corner and 12"-14" on center along the perimeter of the window. Two 1-1/2" x 5-1/2" long, 20-gauge galvanized steel clips were located at the mull locations spaced approximately 3" on each side of the mull center. Secure the clips to the window framing using four minimum No. 8 PFH screws and to the wall framing using four (4) minimum No. 6 x 1-5/8" screws. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Option #3: Installation Clips (System 2-3):**

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using 1-1/2" x 5-1/2" long, 20-gauge galvanized steel installation clips. Secure the clips to the window framing using four minimum No. 8 PFH screws and to the wall framing using four minimum No. 6 x 1-5/8" screws. Locate the clips approximately 3"-4" from each corner and 10"-12" on center. Two (2) clips were located at the mull locations spaced approximately 3" on each side of the mull center. 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.