

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

## PRODUCT EVALUATION

WIN-1551

Effective Date: March 1, 2012

Reevaluation Date: **August 2014**

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.

**1300 Aluminum Clad Wood Direct Set Windows, Individual and Muller, Impact Resistant,**  
manufactured by

**Weather Shield Manufacturing, Inc.**

**One Weather Shield Plaza**

**P.O. Box 309**

**Medford, Wisconsin 54451-0309**

**Telephone: (800) 222-2995**

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	1300 Aluminum Clad Wood Direct Set Window; (O)	FW-LC70 58 x 82	± 70 psf
2	1300 Aluminum Clad Wood Direct Set Window; (O)	FW-C55 99 x 58	+55, -70 psf
3	1300 Aluminum Clad Wood Direct Set Window; (O)	FW-C70 62 x 84	± 70 psf
4	1300 Aluminum Clad Wood Twin Direct Set Window; (O.O)	FW-C60 124 x 84	± 60 psf

### Product Dimensions:

System	Overall Size	Individual Window Size
1	57 1/2" x 81 1/2"	N/A
2	99" x 58"	N/A
3	62" x 84"	N/A
4	124" x 84"	62" x 84"

### Product Identification (Certification Agency Label on Window):

System	Certification Agency	AAMA
1	Manufacturer's Name or Code Name	WH-1
	Product Name	1300 Direct Set
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA 506; Missile Level D

**Product Identification (Certification Agency Label on Window) - continued:**

System		
2-3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	WH-1
	Product Name	1300 Clad Direct Set
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA 506; Missile Level D

System		
4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	WH-1
	Product Name	1300 Clad Twin Direct Set
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA 506; Missile Level D

**Impact Resistance:**

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the <b>Inland I</b> and <b>Seaward zone</b> . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

**Installation:**

**Option 1:** The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the nailing fin of the window with minimum No. 6 x 1 <sup>5</sup>/<sub>8</sub>" screws. The fasteners shall be spaced approximately 8-10 inches from each corner and approximately 8-10 inches on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of 1 <sup>1</sup>/<sub>2</sub> inches into the wall framing members.

**Option 2:** The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using the frame of the window with minimum No. 8 x 2 <sup>1</sup>/<sub>2</sub>" screws. The fasteners shall be spaced approximately 6 inches from each corner and approximately 12-14 inches on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of 1 <sup>1</sup>/<sub>2</sub> inches into the wall framing members.

**Option 3:** The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be mounted to the wood wall framing members using metal installation clips (5.5" x 1.5" x 0.040"). The clips are secured to the window frame with four (4) No. 6 screws and to the wall framing with four (4) No. 6 screws. The fasteners shall be spaced approximately 6 inches from each corner and approximately 12 inches on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of 1 <sup>1</sup>/<sub>2</sub> inches into the wall framing members.

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC) and the Texas Revisions.