

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
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## PRODUCT EVALUATION

WIN-926

Effective Date: August 1, 2013

Reevaluation Date: **December 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.

**Wood Ultimate Double Hung Magnum Round Top Wood Windows, Non-Impact Resistant,**  
manufactured by

**Marvin Windows and Doors**

**P.O. Box 100**

**Highway 11 West**

**Warroad, Minnesota 56763-0100**

**Telephone: (218) 386-4021**

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Wood Ultimate Double Hung Magnum Round Top Window	LC-PG50 53.38 x 111.38 H-C55 53.38 x 111.38	± 50 psf
2	Wood Ultimate Double Hung Magnum Round Top Window	LC-PG35 59.38 x 121.38 H-C35 59.38 x 121.38	± 35 psf

### Product Dimensions:

System	Overall Size	Exterior Sash Size	Interior Sash Size
1	53.38" x 111.38"	50.44" x 56.81"	50.44" x 52.63"
2	59.38" x 121.38"	56.44" x 58.81"	56.44" x 60.63"

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

System	Certification Agency	WDMA
1-2	Manufacturer's Name or Code Name	Marvin Windows and Doors
	Product Name	Wood Ultimate Double Hung Magnum
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA/WDMA/CSA 101/I.S.2/A440-08

**Impact Resistance:**

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

**Installation:**

**System 1:** The window shall be fastened to minimum Spruce-Pine-Fir dimension lumber using the frame of the window. The window frame head and side jambs are secured to the wall framing with minimum No. 10 x 3" screws. The fasteners are spaced approximately 5 inches from each corner and approximately 12 inches on center along the length of the members. All fasteners shall be long enough to penetrate a minimum of 1 1/2" into the wall framing members. No fasteners are required along the sill.

**System 2:** The window shall be fastened to minimum Spruce-Pine-Fir dimension lumber using the frame of the window. The window frame head and side jambs are secured to the wall framing with masonry clips. The masonry clips shall be minimum 22 gauge sheet metal. Along the head, a minimum of three (3) clips are required, one (1) at the midspan and one (1) at each quarter point. Along each side jamb, the clips are spaced approximately 5 inches from each corner and approximately 12 inches on center along the length of the members. Each clip is secured to the window frame with two (2) No. 7 x 5/8" screws and to the wall framing with two (2) No. 8 x 1 5/8" screws. All fasteners shall be long enough to penetrate a minimum of 1 1/2" into the wall framing members. No masonry clips are required along the sill.

**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), the International Building Code (IBC), and the Texas Revisions.