

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-1173

Effective Date: July 1, 2013

Reevaluation Date: **November 2015**

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.

WV Wood Double Hung Windows, Impact Resistant, manufactured by

Lincoln Wood Products, Inc.
1400 W. Taylor Street
Merrill, Wisconsin 54452
Telephone: (715) 536-2461

General Description:

System	Description	Label Rating	Design Pressure Rating
1	WV Wood Double Hung Windows; (X/X)	H-LC50 37 x 77 Missile Level D	± 50 psf

Product Dimensions:

System	Overall Size	Bottom Sash Size	Top Sash Size
1	37 $\frac{3}{8}$ " x 76 $\frac{1}{2}$ "	34 $\frac{1}{2}$ " x 37 $\frac{5}{8}$ "	33 $\frac{3}{4}$ " x 37 $\frac{9}{16}$ "

Product Identification (Certification Agency Label on Window):

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	LN-1
	Product Name	WV Double Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA 506-06; 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 Inland I and Seaward zone . 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: The window shall be fastened to minimum Southern Yellow Pine lumber using the integral nailing flange at the head and side jambs of the window frame and with installation clips at the head and side jambs. The nailing flange shall be secured to the wall framing with minimum 2" long roofing nails (minimum 12 gauge smooth shank diameter). The fasteners shall be spaced approximately 10 inches from each corner and approximately 10 inches on center. The installation clips (minimum 20 gauge galvanized steel; 1.5" x 7.0") are spaced approximately 2 inches from each corner, approximately 18 inches on center along the head, and approximately 18 inches on center along each side jamb. The installation clips are secured to the window frame with two (2) No. 7 x $\frac{3}{4}$ " screws and to the wall framing

with two (2) No. 8 screws. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members. The nailing flange is silicone sealed to the window frame.

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.