

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION WIN-1384

Effective April 1, 2011

*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 shall be subject to reevaluation **January 2014**.*

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.

Prime Wood Wide Stile Transom Window, Impact Resistant, manufactured by

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

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The prime wide stile transom window is a wood window. The prime wood wide stile transom window evaluated in this report is an individual, impact resistant window. This product evaluation report is for a prime wood wide stile transom window based on the following tested construction:

General Description:

System	Description	Label Rating
1	Prime Wood Wide Stile Transom Window; (O)	TR-C50 111 x 29 AAMA 506-06

Product Dimensions:

System	Overall Size	Sash Size
1	110 1/2" x 29"	108 3/4" x 27 1/4"

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: The sashes contain a sealed insulating glass unit. The sealed insulating glass unit is comprised of a $\frac{3}{16}$ " annealed glass lite and a laminated glass unit separated by an aluminum spacer system. The laminated glass unit is comprised of two double strength ($\frac{1}{8}$ ") annealed glass lites with a 0.090 SGP interlayer. The glass thickness and type used in the insulating glass unit of the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass unit is set against Bondaflex Sil 201 FC structural silicone backbedding. Wood glazing stops secure the insulating glass units in place from the interior. The wood glazing stops are secured to the frame with brads spaced 6 inches on center.

Frame Construction: The frame head, sill, and jambs consist of molded pine sections. The frame corners are square cut, rabbet construction and are secured with staples. The wood sill stop is secured with T-nails. The head and side jamb stops are secured with staples.

Sash Construction: The sash head, sill, and jambs consist of veneer wrapped edge glued core block at the stiles and LVL at the top and bottom rails. The sash corners are square cut, glued, and butted joints. The top and bottom rails utilize wood dowels that are glued in place. The sash is secured through the frame to the sash at the head and the side jambs with wire nails spaced 4 to 6 inches on center.

Hardware: 6" vinyl snubber; Five (5) required; Located at the frame sill.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (LN-1); product name: **Prime Wide Stile Transom**; performance characteristics; the approved inspection agency (AAMA); and the applicable standards: AAMA/WDMA 101/I.S.2/A440-05 and AAMA 506-06.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	110 $\frac{1}{2}$	29	± 50

Impact Resistance: These window assemblies satisfy the Texas Department of Insurance's criteria for protection from windborne debris in both the **Inland I zone** and the **Seaward zone**. The window assemblies passed Missile Level D specified in ASTM E 1996-04. The window assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded. These window assemblies will not need to be protected with an impact protective system.

Acceptance of Smaller Assemblies: Windows assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be prepared and installed in accordance with the manufacturers recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation: The window shall be fastened to minimum Southern Yellow Pine lumber using the applied brickmould at the head and side jambs of the window frame. The brickmould corners at the head and the sill nosing are secured together with one screw per corner. The brickmould and the cellular PVC sill nosing are secured to the frame with 2 ½" long wire brads spaced approximately 6 inches to 12 inches on center. The brickmould shall be secured to the wall framing along the head and side jambs with minimum 3 inch long finishing nails. The fasteners shall be spaced approximately 12 inches from each corner and approximately 12 inches on center. Masonry clips (minimum 1.5" x 7" x 20 gauge galvanized steel) are required along the head and the side jambs. Along the head, the clips are spaced approximately 3 inches from each corner and approximately 17 ½ inches on center. Along the side jambs, the clips are spaced approximately 3 inches from each corner. The clips are secured to the window frame with two (2) minimum No. 7 x ¾" screws and to the wall framing with two (2) minimum 8 d common wire nails. The fasteners shall be long enough to penetrate a minimum of 1 ½ 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), the International Building Code (IBC), and the Texas Revisions.