

# 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-1759

Effective Date: July 1, 2013  
Reevaluation Date: **August 2016**

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.

**Builders Vinyl (V-2500) Two Wide Tilt Single Hung Windows, Non-Impact Resistant**, manufactured by

**JELD-WEN Windows & Doors**  
3737 Lakeport Blvd.  
Klamath Falls, OR 97601  
Telephone: (800) 535-3936  
www.jeld-wen.com

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Builders Vinyl (V-2500) Two Wide Tilt Single Hung; O/X	R-PG50 84x57-H	±50 psf
2	Builders Vinyl (V-2500) Two Wide Tilt Single Hung (FINLESS); O/X	R-PG50 84x57-H	±50 psf

### Product Dimensions:

System	Overall Size	Sash Size
1	84" x 57"	39" x 28"
2	84" x 57"	39" x 28"

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

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	JW
	Product Name	Builders Vinyl Twin Tilt Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	JW
	Product Name	Builders Vinyl Twin Tilt Single Hung (FINLESS)
	Test Standards	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	Type of Installation	New Construction – Nailing Fin
	Wall Framing	Spruce-Pine-Fir
	Fasteners	Minimum No. 8 Screws
	Fastener Location/Spacing	Approximately 4 inches from each corner and approximately 14 ½ inches on center along the perimeter and one fastener 2 inches above and below the meeting rail on each jamb. Refer to JELD WEN Builders Vinyl Twin Tilt Single Hung drawings SJW2012-184/185-TDI, dated November 7, 2012, signed and sealed by Alexis Spyrou, P.E. on December 28, 2012.
	Fastener Penetration	Minimum of 1 ½ inches into the wall framing members
2	Type of Installation	Through Frame
	Wall Framing	Spruce-Pine-Fir dimension lumber; Concrete (cast-in-place or precast, minimum 3,000 psi); Concrete block (grout filled, ASTM C-90, grade N, Type 1); or Steel (fy = 33 ksi, minimum 18 gauge).
	Fasteners	Minimum No. 8 Screws (Wood); 3/16 inch diameter Tapcons (Concrete or Masonry); No. 8 ITW Tek screws
	Fastener Location/Spacing	Refer to JELD WEN Builders Vinyl Twin Tilt Single Hung drawings SJW2012-184/185-TDI, dated November 7, 2012, signed and sealed by Alexis Spyrou, P.E. on December 28, 2012 for through frame installation of wood, masonry and steel.
	Fastener Penetration	Minimum of 1 ½ inches into the wall framing (Wood); Minimum of 1 ¼ inches into the wall framing members (Concrete or Masonry); and penetrate a minimum of three threads (Steel).

**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.