



# Product Evaluation

WIN1324 | 0416

Engineering Services Program

*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.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** WIN-1324 **Effective Date:** April 1, 2016  
**Re-evaluation Date:** January 2019

**Product Name:** Builders Aluminum (4200) Horizontal Slider Windows, Individual, Fin and Frame Installation, Non-Impact Resistant

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

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Builders Aluminum (4200) Horizontal Slider; OX	R-PG50 73 x 50-HS	+50, -50 psf
2	Builders Aluminum (4200) Horizontal Slider; XOX	R-PG50 110 x 50-HS	+50, -50 psf

### Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Lite Daylight Opening Size
1	73" x 49-5/8"	36-3/4" x 48"	35-3/4" x 47"
2	110" x 49-5/8"	Two: 28" x 48"	50-7/8" x 47"

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

System		
1-2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	JW-19
	Product Name	Builders Atlantic Aluminum HS
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

**Impact Resistance:**

System	Impact Resistant	Requirement
1-2	No	Impact protective system required when product is installed in areas where windborne debris protection is required

**Installation:****System 1:**

**Fin Installation to Wood:** Use minimum Spruce-Pine-Fir dimension lumber wall framing. Secure window to wall framing using the window's nailing fin with minimum No. 8 screws. Locate fasteners, long enough to penetrate a minimum of 1-1/2" into the wall framing, approximately 5" from each corner and 13-1/4" on center along the side jambs, and 15-3/4" on center along the head and sill.

**Frame Installation to Wood:** Use minimum Spruce-Pine-Fir dimension lumber wall framing. Set window in a bed of silicone. Secure window to wall framing members with minimum No. 10 screws. Locate fasteners long enough to penetrate a minimum of 2" into the wall framing approximately 5" from each corner and 8" on center along the head, and 5-1/2" on center along each side jamb. Along the sill of the fixed sash, one fastener shall be located approximately 3" from the fixed interlock.

**Frame Installation to Concrete or CMU:** Use precast concrete, cast in place concrete, or grout-filled concrete masonry units (CMU) for the wall construction. Set window in a bed of silicone. Secure window to wall framing members with minimum 3/16" diameter Tapcons. Locate fasteners, be long enough to penetrate a minimum of 1-3/4" into the wall framing and shall be located a minimum of 3" from the edge of the opening, approximately 5" from each corner and 8" on center along the head, and 5-1/2" on center along each side jamb. Along the sill of the fixed sash, locate one fastener approximately 3" from the fixed interlock.

**Frame Installation to Steel:** Use minimum 12-gauge steel for the wall framing. Set window in a bed of silicone. Secure window to wall framing members with minimum No. 10 Tek screws. Locate fasteners, long enough to penetrate through the steel framing a minimum of three threads, approximately 5" from each corner and 8" on center along the head, and 5-1/2" on center along each side jamb. Along the sill of the fixed sash, one fastener shall be located approximately 3" from the fixed interlock.

**System 2:**

**Fin Installation to Wood:** Use minimum Spruce-Pine-Fir dimension lumber wall framing. Secure window to wall framing using the window's nailing fin with minimum No. 8 screws. Locate fasteners, long enough to penetrate a minimum of 1-1/2" into the wall framing, approximately 5" from each corner and 13-1/4" on center along the side jambs, and 14" on center along the head and sill.

**Frame Installation to Wood:** Use minimum Spruce-Pine-Fir dimension lumber wall framing. Set window in a bed of silicone. Secure window is secured to the wall framing members with minimum No. 10 screws. Locate fasteners, long enough to penetrate a minimum of 2" into the wall framing, approximately 5" from each corner and 6" on center along the head, and 5-1/2" on center along each side jamb. Along the sill of each active sash, locate one fastener approximately 3" from the corner and from the interlock.

**System 2 (Continued):**

**Frame Installation to Concrete or CMU:** Use precast concrete, cast in place concrete, or grout-filled concrete masonry units (CMU) for the wall construction. Set window in a bed of silicone. Secure window to wall framing members with minimum 3/16" diameter Tapcons. Locate fasteners, long enough to penetrate a minimum of 1-3/4" into the wall framing and shall be located a minimum of 3" from the edge of the opening, approximately 5" from each corner and 6" on center along the head, and 5-1/2" on center along each side jamb. Along the sill of each active sash, locate one fastener approximately 3" from the corner and from the interlock.

**Frame Installation to Steel:** Use minimum 12-gauge steel for the wall framing. Set window in a bed of silicone. Secure window to wall framing members with minimum No. 10 Tek screws. Locate fasteners, long enough to penetrate through the steel framing a minimum of three threads, approximately 5" from each corner and 6" on center along the head, and 5-1/2" on center along each side jamb. Along the sill of each active sash, locate one fastener approximately 3" from the corner and from the interlock.

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.