

## Product Evaluation

WIN747 | 1122

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-747

**Effective Date:** November 1, 2022

**Re-evaluation Date:** December 2025

**Product Name:** Series 150/160 Vinyl Single Hung Windows, Fin Installation, Non-Impact Resistant

**Manufacturer:** Atrium Companies, Inc.  
300 Welcome Center Blvd.  
Welcome, NC 27374  
(800) 542-9118 Ext. 413596

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 150/160 Vinyl Single Hung Windows	LC-PG50 (36 x 74)-H	+50 / -50 psf
2	Series 150/160 Vinyl Single Hung Windows	LC-PG35 (36 x 96)-H	+35 / -35 psf
3	Series 150/160 Vinyl Single Hung Windows	LC-PG30 (48 x 96)-H	+30 / -30 psf
4	Series 150/160 Vinyl Single Hung Windows; Triple CHS	LC-PG30 (108 x 74)-H	+30 / -30 psf
5	Series 150/160 Vinyl Single Hung Windows; Triple CHS	LC-PG50 (108 x 74)-H	+50 / -50 psf

**Product Dimensions:**

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	36" x 74"	33-5/16" x 36-1/4"	31-1/4" x 33-3/8"
2	36" x 96"	33-1/4" x 37-1/8"	31-1/4" x 54-3/4"
3	48" x 96"	45-3/16" x 37"	43-1/4" x 54-5/8"
4	108" x 74"	32-13/16" x 36" (3)	30-3/4" x 33-9/16" (3)
5	108" x 74"	32-7/8" x 36" (3)	30-7/8" x 33-9/16" (3)

**Product Identification (Certification Label on Window):**

System		
1-3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies (Dallas, TX)
	Product Name	150/160 Vinyl Single Hung Window w/ Fin Installation
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11,17
4	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies (Dallas, TX)
	Product Name	150/160 Vinyl Triple CHS Single Hung Window w/ Fin Installation
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11,17
5	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies (Welcome, NC)
	Product Name	150/160 Vinyl Triple CHS Single Hung Window w/ Fin Installation
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,11,17

**Impact Resistance:**

System	Impact Resistant	Requirement
1	No	These products have not been tested for windborne debris resistance. An impact protection system is required when installing this product in areas where windborne debris protection is required.

**Installation:****Nail Fin Installation (System 1-3):**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using a nailing fin. The nailing fin is secured to the wall framing using minimum No. 8 pan head screws. Locate the screws approximately 2" from

each corner and 12" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

**Nail Fin Installation (System 4-5):**

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using a nailing fin. The nailing fin is secured to the wall framing using minimum No. 8 pan head screws. Locate the screws approximately 3" from each corner and 12" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

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