

## Product Evaluation

WIN1654 | 0322

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-1654

**Effective Date:** March 1, 2022

**Re-evaluation Date:** December 2025

**Product Name:** Series "8900/90/8000/1800/3900" Vinyl Double Hung Windows, Individual, Twin, and Triple, Frame Installation, Non-Impact Resistant

**Manufacturer:** Atrium Windows & Doors  
300 Welcome Center Blvd.  
Welcome, NC 27374  
(800) 542-9118 ext. 413596

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Individual Vinyl Double Hung Window (X/X)	LC-PG60 (36 x 74)-H	+60 / -60 psf
2	Individual Vinyl Double Hung Window (X/X)	LC-PG45 (44 x 74)-H	+45 / -45 psf
3	Individual Vinyl Double Hung Window (X/X)	LC-PG30 (48 x 78)-H	+30 / -30 psf
4	Twin Vinyl Double Hung Window w/ Transom	LC-PG60 (36 x 74)-H R-PG50 (72 x 36)-FW Mulled Fenestration Rating: R40 Overall Size: 72 x 108	+40 / -40 psf

**General Description:**

System	Description	Label Rating	Design Pressure Rating
5	Triple Vinyl Double Hung Window	LC-PG50 (36 x 74)-H Mulled Fenestration Rating: LC50 Overall Size: 109 x 74	+50 / -50 psf

**Product Dimensions:**

System	Overall Size	Top Sash Size	Bottom Sash Size	Transom DLO Size
1	36" x 73-3/4"	31-1/4" x 35-7/16"	32-3/16" x 36-7/16"	N/A
2	44" x 73-3/4"	39-3/8" x 35-1/2"	40-1/4" x 36-1/2"	N/A
3	48" x 77-3/4"	43-3/8" x 37-1/2"	44-5/16" x 38-1/2"	N/A
4	72" x 108"	31-1/8" x 34-1/4" (2)	32" x 35-3/16" (2)	72" x 36"
5	109" x 74"	31-1/2" x 35-1/2" (3)	32-1/2" x 36-1/2" (3)	N/A

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

System		
1-2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies
	Product Name	8900/90/8000/1800/3900 Vinyl Double Hung Window
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05,08
3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies
	Product Name	8900/90/8000/1800/3900 Double Hung Window w/ Finless Installation
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05,08
4	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies
	Product Name	8900/90/8000/1800/3900 Twin Double Hung Window w/ Transom & Finless Installation
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
5	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Atrium Companies
	Product Name	8900/90/8000/1800/3900 Triple Double Hung Window w/ Finless Installation
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08,05

**Impact Resistance:**

System	Impact Resistant	Requirement
1-5	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

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

**Installation:**

System		
1-5	Type of Installation	Install in accordance with Atrium Windows and Doors drawing No. ATR126, dated July 20, 2020. Signed and sealed by Hermes F. Norero, P.E. on August 31, 2020.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	

**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.