



# Product Evaluation

WIN972 | 0317

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-972 **Effective Date:** March 1, 2017  
**Re-evaluation Date:** February 2021

**Product Name:** E110 Executive, X110 Energy Master, H110 Traditions, P110 Solar Pro, N110 Construction Pro, W110 Presidential Vinyl Single Hung Windows, Frame Installation, Non-Impact Resistant

**Manufacturer:** NT Window, Inc.  
4949 Rendon Road  
Fort Worth, TX 76140  
(800) 969-8830

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	E110 Executive, X110 Energy Master, H110 Traditions, P110 Solar Pro, N110 Construction Pro, W110 Presidential Vinyl Single Hung Windows	LC PG45 54 X 77-H	+45 / -45 psf
2	E110 Executive, X110 Energy Master, H110 Traditions, P110 Solar Pro, N110 Construction Pro, W110 Presidential Vinyl Single Hung Windows	LC PG25 54 X 77-H	+25 / -25 psf

### Product Dimensions:

System	Overall Size	Operating Sash Size	Fixed Daylight Opening Size
1	54" x 77"	50-11/16" x 37-11/16"	48-11/16" x 34-13/16"
2	54" x 77"	50-11/16" x 37-11/16"	48-11/16" x 34-13/16"

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

System		
1, 2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	NT-1
	Product Name	E110 / X110 / H110 / P110 / N110 / W110 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

**Impact Resistance:**

System	Impact Resistant	Requirement
1, 2	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 with the limitations specified in this report.

**Installation:**

System		
1, 2	Type of Installation	Frame Installation
	Wall Framing	Spruce-Pine-Fir Dimension lumber
	Window Perimeter Fasteners	Minimum No. 10 wood screws
	Window Perimeter Fastener Location/Spacing	Along the head, locate the fasteners 17" from each interior frame corner. Along each side jamb, locate the fasteners approximately 2" from each interior frame end and 17" on center along the interior frame.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

**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.