

## Product Evaluation

WIN984 | 0919

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-984

**Effective Date:** September 1, 2019

**Re-evaluation Date:** September 2023

**Product Name:** Series 188 Aluminum Horizontal Sliding Windows, Fin and Frame Installation, Impact Resistant

**Manufacturer:** MI Windows and Doors, LLC  
650 West Market Street  
Gratz, PA 17030  
(717) 365-3300

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 188 Aluminum Horizontal Sliding Windows; Fin Installed	LC-PG55 (73 x 62)-HS Missile Level D	+55 / -55 psf
2	Series 188 Aluminum Horizontal Sliding Windows; Frame Installed	LC-PG55 (73 x 62)-HS Missile Level D	+55 / -55 psf

### Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1-2	72-7/8" x 61-7/8"	35-7/8" x 59-1/4"	34-1/2" x 58-5/8"

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

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	188 HS (FIN)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506; Missile Level D
2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	188 HS (FLANGE)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA 506; Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1-2	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Installation (One of the Following):**

System		
1	Type of Installation	Nail Fin Installation
	Wall Framing	Spruce-Pine-Fir dimension lumber
	Fasteners	Minimum No. 6 x 1-5/8" screws
	Fastener Location/Spacing	Approximately 2" from each corner and 11" on center along the perimeter
	Fastener Penetration	Minimum of 1-1/2" into the wall framing
2	Type of Installation	Frame Installation
	Wall Framing	Southern Yellow Pine dimension lumber
	Fasteners	Minimum No. 8 pan head screws
	Fastener Location/Spacing	Approximately 3" from the corners and midspan along the head; 6" and 14" from each end along the side jambs
	Fastener Penetration	Minimum of 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.