

Product Evaluation

WIN1196 | 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-1196

Effective Date: September 1, 2019

Re-evaluation Date: July 2023

Product Name: Series 185 Aluminum Single Hung 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 185 Aluminum Single Hung Windows	R-PG60 (36 x 72)-H Missile Level D	+60 / -70 psf
2	Series 185 Aluminum Single Hung Windows	R-PG55 (36 x 84)-H Missile Level D	+55 / -55 psf
3	Series 185 Aluminum Single Hung Windows	R-PG50 (52 x 62)-H Missile Level D	+50 / -63 psf
4	Series 185 Aluminum Single Hung Windows	R-PG55 (52 x 72)-H Missile Level D	+55 / -55 psf

Product Dimensions:

System	Overall Size	Operable Sash Size	Fixed Sash Daylight Opening Size
1	36" x 71-5/8"	34-15/16" x 36-1/16"	33-1/4" x 32-7/16"
2	36" x 84"	34-1/2" x 36"	33-1/8" x 45"
3	52-1/8" x 62"	50-1/2" x 31-3/16"	49-5/16" x 27-9/16"
4	52-1/8" x 71-5/8"	51" x 36"	49-3/8" x 32-1/2"

Product Identification (Certification Label on Window):

System		
1, 3	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	185 SH (FIN, FLANGE, & FINLESS)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA 506; Missile Level D
2	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	185 SH (FIN)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506; Missile Level D
4	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	185 SH (FIN) or 185 SH (FLANGE)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08 AAMA 506; Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-6	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 for Systems 2 and 4):**System 1:**

Install in accordance with MI Windows and Doors, LLC drawing No. 08-03391, dated March 12, 2019. Signed and sealed by Luis R. Lomas, P.E. on March 26, 2019.

Mounting Fin Installation (System 2, 4):

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. 6 x 1-5/8" screws. Locate the screws approximately 2" from

each corner and 8"-10" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Frame Installation (System 2, 4):

The wood wall framing members must be minimum Spruce-Pine-Fir dimension lumber. The window assembly is secured to the wall framing using minimum No. 8 pan head screws. Locate the screws approximately 2" from each corner and 16" on center along the head and side jambs. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

System 3:

Install in accordance with MI Windows and Doors, LLC drawing No. 08-03390, dated March 12, 2019. Signed and sealed by Luis R. Lomas, P.E. on March 26, 2019.

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.