

Product Evaluation

WIN982 | 0819

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-982

Effective Date: August 1, 2019

Re-evaluation Date: December 2020

Product Name: Series 185 Aluminum Fixed Windows, Fin and Frame Installation, Non-Impact Resistant

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

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 185 Aluminum Fixed Windows	LC-PG50 37 x 78-FW	+50 / -63 psf
2	Series 185 Aluminum Fixed Windows	CW-PG50 73 x 72-FW	+50 / -50 psf
3	Series 185 Aluminum Fixed Windows	LC-PG55 96 x 60-FW	+55 / -55 psf
4	Series 185 Aluminum Fixed Windows; Triple CHS	R-PG55 159 x 54-FW	+55 / -55 psf

Product Dimensions:

System	Overall Size	Fixed Sash Daylight Opening Size
1	37" x 78"	34-1/4" x 75-1/4"
2	73" x 72"	70-1/4" x 69-1/8"
3	95-1/2" x 59-1/2"	92-3/4" x 56-3/4"
4	158-5/8" x 54"	49-1/2" x 51-1/4" (3)

Product Identification (Certification Label on Window):

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

Impact Resistance:

System	Impact Resistant	Requirement
1-4	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation (One of the Following):

System 1: Install in accordance with MI Windows and Doors, LLC drawing No. 08-03394, dated March 12, 2019. Signed and sealed by Luis R. Lomas, P.E. on March 12, 2019.

Fin Installation (System 2):

The wood wall framing members must be minimum Southern Yellow Pine 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 13" 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):

The wood wall framing members must be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using minimum No. 8 x 2" screws. Locate the screws approximately 2" from each corner and 13" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Fin Installation (System 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. 6 x 1-5/8" 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.

Frame Installation (System 3):

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 x 2" pan head screws. Locate the screws approximately 2" from each corner and 14" on center along the perimeter. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members.

Fin Installation (System 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" drywall screws. Locate the screws approximately 1" 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.

Frame Installation (System 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 x 2" Phillips pan head screws. Locate the screws approximately 2-1/2" from each corner and on each side of the intermediate frame jambs, and 15" 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, the IBC, and the Texas Revisions.