



Product Evaluation

WIN130 | 0615

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-130

Effective Date: June 1, 2015

Re-evaluation Date: September 2015

Product Name: Series GA 195 Aluminum Single Hung Windows; Individual and Mulled, Non-impact Resistant

Manufacturer: MI Windows and Doors L.L.C.
1001 West Crosby Road
Carrollton, TX 75006
(717) 365-3300

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series GA 195 Aluminum Single Hung Windows; (O/X); FIN	R-PG30 48 x 96-H	+30 / -30 psf
2	Series GA 195 Aluminum Single Hung Windows; (O/X); FIN	R-PG35 44 x 84-H	+35 / -50 psf
3	Series GA 195 Aluminum Single Hung Windows; (O/X); FIN	R-PG40 54 x 72-H	+40 / -40 psf
4	Series GA 195 Aluminum Single Hung Windows; (O/X); FIN	H-R40 54 x 72	+40 / -50 psf
5	Series GA 195 Aluminum Single Hung Windows; (O/X); FLANGE	R-PG40 52 x 62-H	+40 / -55 psf
6	Series GA 195 Aluminum Single Hung Windows; (O/X); FLANGE	R-PG35 44 x 84-H	+35 / -40 psf
7	Series GA 195 Aluminum Single Hung Windows; (O/X); FLANGE	R-PG40 54 x 72	+40 / -40 psf

General Description (continued):

System	Description	Label Rating	Design Pressure Rating
8	Series GA 195 Aluminum Single Hung Windows; (O/X); FLANGE	H-R40 54 x 72	+40 / -50 psf
9	Series GA 195 Aluminum Single Hung Twin; (O/X.O/X); FLANGE	R-PG35 105 x 71-H (MULL)	+35 / -35 psf
10	Series GA 195 Aluminum Single Hung Double Windows; (O/X.O/X); FIN	R-PG30 72 x 84-H (MULL)	+30 / -30 psf
11	Series GA 195 Aluminum Single Hung Double Windows; (O/X.O/X); FIN	H-R40 88 x 72 (MULL)	+40 / -40 psf
12	Series GA 195 Aluminum Single Hung Double Windows; (O/X.O/X); FIN	H-R40 88 x 72 (MULL)	+40 / -50 psf
13	Series GA 195 Aluminum Single Hung Triple Windows; (O/X.O/X.O/X); FIN	R-PG35 108 x 72-H (MULL)	+35 / -35 psf
14	Series GA 195 Aluminum Single Hung Windows; (O/X); FIN	R-PG40 52 x 62-H	+40 / -55 psf

Product Dimensions:

System	Overall Size	Operating Sash Size	Fixed Daylight Opening Size
1	48" x 96"	47-1/16" x 42-3/4"	45-1/16" x 51-1/2"
2	44" x 84"	43-1/16" x 42"	41-3/8" x 39-1/2"
3	54" x 72"	53-1/4" x 36-3/8"	51-3/8" x 33-1/2"
4	54" x 72"	53" x 36-1/4"	51-3/8" x 33-1/2"
5	52-1/8" x 62"	51-1/4" x 31-5/16"	49-1/2" x 28-5/8"
6	44" x 84"	43-1/16" x 42-1/4"	41-3/8" x 39-1/2"
7	54" x 72"	53-1/4" x 36-3/8"	51-3/8" x 33-5/8"
8	54" x 72"	53-1/8" x 36-3/8"	51-3/8" x 33-5/8"
9	105-3/8" x 71"	Two: 51-5/16" x 35-3/4"	Two: 49-1/2" x 33"
10	72-1/4" x 84"	Two: 35-3/4" x 30-5/16"	Two: 33-3/8" x 51-1/2"
11	88-1/8" x 72"	Two: 43" x 36-5/16"	Two: 41-7/16" x 33-5/8"
12	88-1/8" x 72"	Two: 43" x 36-5/16"	Two: 41-7/16" x 33-5/8"
13	108-1/4" x 72"	Three: 35-1/4" x 36-1/4"	Three: 33-1/4" x 33-11/16"
14	52-1/8" x 62"	51-3/8" x 31-5/16"	49-1/2" x 28-11/16"

Product Identification (Certification Agency Label on Window):

System		
1, 10, 13	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	GA 195 (1970) SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
2, 4, 12	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	GA 195 (1970) SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
3,7	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	GA 195 SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
5	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	GA 195 (1970) SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
6, 8, 9	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	GA 195 (1570) SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
11	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	GA 195 SH (FIN)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08
14	Certification Agency	AAMA
	Manufacturer's Name or Code Name	MTL-12
	Product Name	GA 195 (1570) SH
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1-14	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation:

System		
1, 2	Type of Installation	New Construction (Fin)
	Wall Framing	Wood Framing - SPF
	Fasteners	#6 x 1-5/8" long drywall screw
	Fastener Location/Spacing	Fasteners must be spaced approximately 3 inches from each corner and approximately 12 inches on center through the fin into the wall framing
	Fastener penetration	Minimum 1-1/2" into wall framing
3, 14	Type of Installation	New Construction (Fin)
	Wall Framing	Wood Framing - SPF
	Fasteners	No. 6 x 1-5/8" long screws
	Fastener Location/Spacing	Fasteners located in the nailing fin spaced approximately 6 inches from the corners and approximately 14 inches on center through the perimeter nail fin of the window.
	Fastener penetration	Minimum 1-1/2" into wall framing
4	Type of Installation	New Construction (Fin)
	Wall Framing	Wood Framing - SPF
	Fasteners	6d (0.113" dia. x 2") smooth shank nails
	Fastener Location/Spacing	Fasteners must be spaced approximately 5-1/2" from each corner and approximately 23-1/2" on center through the nail fin.
	Fastener penetration	Minimum 1-1/2" into wall framing
5, 7	Type of Installation	New and Replacement Construction (Flange)
	Wall Framing	Wood Framing - SPF
	Fasteners	No. 8 x 1-5/8" long screws
	Fastener Location/Spacing	Side Jamb/ 5-1/2" from each end and spaced approximately 20" on center Frame Head/ 5-1/2" from each end and spaced approximately 15" on center
	Fastener penetration	Minimum 1-1/2" into wall framing
6, 8, 9	Type of Installation	New and Replacement Construction (Flange)
	Wall Framing	Wood Framing - SPF
	Fasteners	No. 8 x 1" long screws
	Fastener Location/Spacing	Side Jamb/ 5-1/2" from each end and spaced approximately 23-1/2" on center Frame Head/ 5-1/2" from each end and approximately 11-1/2" on center
	Fastener penetration	Minimum 1-1/2" into wall framing

Installation (continued):

System		
10	Type of Installation	New and Replacement Construction (Fin)
	Wall Framing	Wood Framing - SPF
	Fasteners	6d (0.113" dia. x 2") smooth shank nails
	Fastener Location/Spacing	Perimeter Nail Fin/ approximately 7" from each corner and approximately 18" on center around the perimeter of the window
	Fastener penetration	Minimum 1-1/2" into wall framing
11, 12	Type of Installation	New and Replacement Construction (Fin)
	Wall Framing	Wood Framing - SPF
	Fasteners	6d (0.113" dia. X 2") smooth shank nails
	Fastener Location/Spacing	Fasteners must be spaced approximately 6 inches from each corner and approximately 19 inches on center along the perimeter of the window
	Fastener penetration	Minimum 1-1/2" into wall framing
13	Type of Installation	New and Replacement Construction (Fin)
	Wall Framing	Wood Framing - SPF
	Fasteners	6d (0.113" dia. x 2") smooth shank nails
	Fastener Location/Spacing	Perimeter Nail Fin/ approximately 7" from each corner and approximately 16" on center around the perimeter of the window
	Fastener Penetration	Minimum 1-1/2" into 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.