

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, FL 33175 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

CGI Windows and Doors, Inc. 3780 W 104th Street Hialeah, FL 33018

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "450" Clipped Mullion - L.M.I.

APPROVAL DOCUMENT: Drawing No. **MD-450MULL**, titled "450 Clipped Mullion", sheets 1 through 9 of 9, dated 06/03/2020, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews NOA# 17-1226.06** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Sifang Zhao, P.E.





NOA No. 20-0610.09 Expiration Date: October 05, 2026 Approval Date: September 24, 2020

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITED UNDER PREVIOUS NOA'S

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA No.98-0608.22)
- 2. Drawing No. M98-02, titled "Series '450' Aluminum Clipped Tube Mullion", sheets 1 through 5 of 5 (including sheets 2.1, 2.2, 3.1, and 3.2), dated 04/23/98, with revision I dated 11/03/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94

along with marked—up drawings and installation diagram of an aluminum tube mullion, prepared by Hurricane Test Laboratory, LLC, Test Report No.

HTL-0080-0304-11, dated 08/03/11, signed and sealed by Vinu J. Abraham, P.E. (Submitted under previous NOA No.11-0831.05)

- **2.** Test reports on: 1) Air Infiltration Test, per SFBC, PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94
 - 3) Water Resistance Test, per SFBC, PA 202-94
 - 4) Large Missile Impact Test per SFBC, PA 201-94
 - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
 - 6) Forced Entry Test, per SFBC 3603.2 (b), and PA 202-94

along with marked—up drawings of aluminum in/out swing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-0080-912-97**, dated 09/23/97 thru 02/27/98 for specimen No. 1, 2, 3 and 4 tested per PA 202-94, specimen No. 4, 5A, 5B and 5C tested per PA 201-94 & PA 203-94, signed and sealed by Timothy S. Marshall, P.E. (Submitted under NOA No.98-0608.22)

- 3. Test reports on: 1) Tensile Test, per SFBC and per ASTM E 8-89
 - 2) Spectrographic Analysis Loading Test, per SFBC and per ASTM E 415-95

along with marked–up drawings and installation diagram of cold roll aluminum, prepared by Metallurgical, Inc., Test Report No. **MI-8CM-709**, dated 04/02/98 and 10/02/98, both signed and sealed by Frank Grate, P.E.

(Submitted under NOA No. 98-0608.22)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014) and with FBC 6th Edition (2017), dated 10/04/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 20-0610.09
Expiration Date: October 05, 2026
Approval Date: September 24, 2020

CGI Windows & Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami–Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance to **FBC 5**th **Edition (2014)** and **FBC 6**th **Edition (2017)**, and of no financial interest, dated 10/04/17, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

G. OTHERS

1. This NOA revises NOA #16-0523.01, expiring on 10/05/21.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. MD-450MULL, titled "450 Clipped Mullion", sheets 1 through 9 of 9, dated 06/03/2020, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.,

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-6**th **Edition (2017)** and **FBC-7**th (2020) dated 06/05/2020, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

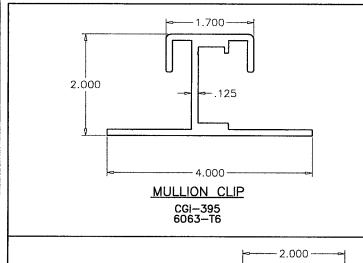
F. STATEMENTS

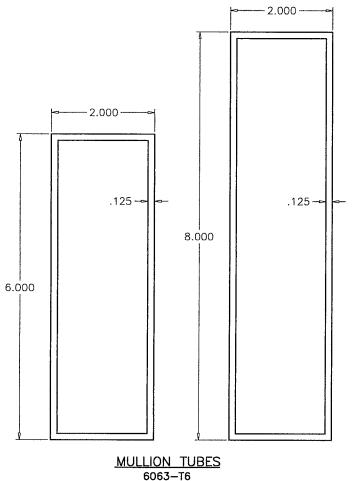
- 1. Statement letter of conformance, complying with **FBC** 6th **Edition** (2017) and with **FBC** 7th **Edition** (2020), and of no financial interest, dated 06/03/2020, signed and sealed by Anthony Lynn Miller, P.E.
- 2. Statement letter of successor engineer per 61G15-27.001 Florida Administrative Code.

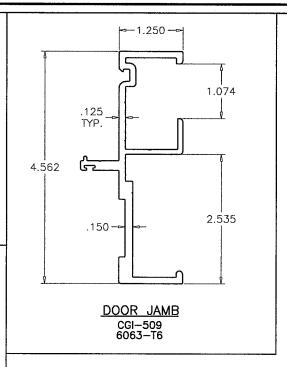
G. OTHERS

1. NOA No. **17-1226.06** issued to CGI Windows & Doors for their Series "450" Aluminum Tube Mullion - L.M.I. approved on 02/15/18 and expiring on 10/05/21.

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 20-0610.09
Expiration Date: October 05, 2026
Approval Date: September 24, 2020







THESE MULLIONS ARE RATED FOR LARGE & SMALL MISSILE IMPACT

INSTRUCTIONS:

USE MULLION/ANCHOR CHART AS FOLLOWS.

STEP 1 DETERMINE DESIGN LOAD REQUIRED PER ASCE 7 FOR PARTICULAR OPENING.

USE CONNECTION TO MULLION AS PER THIS PRODUCT APPROVAL.

USING CHART SELECT ANCHORS WITH DESIGN STEP 3 RATING MORE THAN THE DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

STEP 4 CAPACITY OF SELECTED CGI'S DOORS/SIDELITE/TRANSOM AND MULLION MUST EQUAL OR EXCEED REQUIRED LOADS.

> THIS MULLION APPROVAL TO BE USED FOR MULLION AS SHOWN ON SHEET 5 AND MUST CONTAIN CGI'S SWING DOORS, SIDELITES AND TRANSOMS AS DEPICTED.

SERIES '450' VERTICAL ALUMINUM TUBE MULLION

NOTES:

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH EDITION)/2020 (7TH EDITION) FLORIDA

ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE APPLICABLE CODE REQUIREMENTS I.E.: WIND LOAD, WATER INFILTRATION, FORCED ENTRY RESISTANCE, SAFEGUARDS ETC.

LOADS TO THE BUILDING STRUCTURE.

EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017/2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED

DOOR FRAME MEMBER INCLUDED IN PROPERTIES

BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

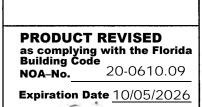
1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS, SPECIFIED

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT

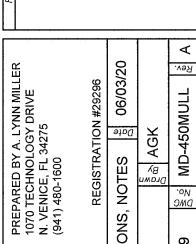
INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.



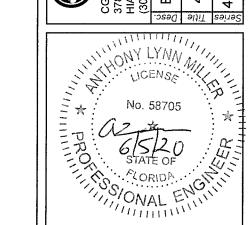
A) UPDATED TO FBC 2020.

AK - 06/03/20

Miami-Dade Product Control

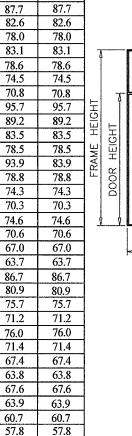


NOTES .oN DMC EXTRUSIONS, INSTRUCTIONS, 6 P Impact Resistant
Windows & Doors
WERE STRONGER**
RS AND WINDOWS, INC.
04TH STREET 450 CLIPPED MULLION Sheet NTS Scale 450MULL



A. LYNN MILLER, P.E. P.E.# 58705

		DESIGN LOA NOMINAL DIMS.	D CAPACITY - PSI			F/17/LAN	ICHORC	DESIGN LOAD CAPACITY - PS						
WIDTH		FRAME HEIGHT	DOOR HEIGHT		NCHORS	5/16" A1		WIDTH		NOMINAL DIMS. FRAME HEIGHT	DOOR HEIGHT			
(W1)	(W2)	INCHES	INCHES	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	(W1)	(W2)	INCHES	INCHES			
(/	24			110.0	110.0	110.0	110.0	\ <u>\</u>	24					
60	30			108.5	108.5	110.0	110.0	60	30					
00	36			101.5	101.5	110.0	110.0	00	36					
	42			95.3	95.3	106.3	106.3	ļ	42					
	24			102.3	102.3	110.0	110.0		24	126				
72	30	96	84	96.0	96.0	107.1	107.1	72	30 36		84			
	36 42	-		90.4 85.5	90.4	100.9	100.9		42					
	24	-	ļ	91.1	85.5 91.1	95.3 101.6	95.3 101.6		24					
	30	1		86.1	86.1	96.0	96.0	2.1	30]				
84	36			81.6	81.6	91.0	91.0	84	36					
	42			77.5	77.5	86.5	86.5		42					
	24			110.0	110.0	110.0	110.0		24					
60	30			104.0	104.0	110.0	110.0	60	30					
00	36			97.1	97.1	108.3	108.3	00	36					
	42			91.1	91.1	101.6	101.6		42					
	24			98.3	98.3	109.6	109.6	72	24	132				
72	30	102	84	92.1	92.1	102.7	102.7		30		84			
	36 42			86.7 86.7 96.7 96.7	42									
	24	-		87.6	87.6			24	_					
	30			82.6	82.5	97.7 92.2	97.7 92.2		30					
84	36			78.2	78.2	87.3	87.3	84	36					
	42			74.3	74.3	82.9	82.9		42					
	24			107.6	107.6	110.0	110.0		24					
60	30			99.8	99.8	110.0	110.0	60	30	138				
00	36			93.1	93.1	103.9	103.9	72	36					
	42			87.3	87.3	97.3	97.3		42					
	24			94.5	94.5	105.5	105.5		24					
72	30	108	84	88.5	88.5	98.7	98.7		30 36		84			
	36			83.2	83.2	92.8	92.8		42					
	42			78.5 84.3	78.5	87.5 94.1	87.5		24					
	30			79.5	84.3 79.5	88.7	94.1 88.7		30					
84	36			75.2	75.2	83.9	83.9	84	36					
	42			71.3	71.3	79.5	79.5		42					
	24			103.6	103.6	110.0	110.0		24					
60	30			96.0	96.0	107.1	107.1	60	30					
60	36		1	89.5	89.5	99.8	99.8	00	36					
	42			83.8	83.8	93.4	93.4		42					
	24			91.1	91.1	101.6	101.6		24					
72	30	114	84	85.2	85.2	95.0	95.0	72	30 36	144	84			
	36 42			80.0	80.0	89.2	89.2		42					
	24			75.4 81.3	75.4 81.3	84.1 90.7	84.1 90.7	-	24					
	30			76.6	76.6	85.4	85.4		30					
84	36			72.3	72.3	60.7	80.7	84	36					
	42			68.6	68.6	76.5	76.5		42					
	24			99.8	99.8	110.0	110.0							
60	30			92.4	92.4	103.1	103.1							
00	36			86.1	86.1	96.0	96.0							
	42			80,5	80.5	89.8	89.8							
	24			87.9	87.9	98.0	98.0							
72.	30	120	84	82.1	62.1	91.6	91.6							
	36			77.0	77.0	85.9	85.9							
	42 24			72.6 78.5	72.6 78.5	80.9 87.5	80.9 87.5							
	30			73.8	73.8	87.3	82.4							
84	36			69.7	69.7	77.8	77.8							
	42			66.0	66.0	73.7	73.7							
		<u></u>		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	30.0									



DESIGN LOAD CAPACITY - PSF. (2 X 6 X 1/8")

1/4" ANCHORS 5/16" ANCHORS

EXT.(+) | INT.(-)

89.1

82.9

77.5

84.9

79.2

74.3

69.9

75.9

71.3

63.7

93.1

86.1

80.0

74.7

82.1

76.6

71.7

67.5

73.4

69.0

65.0

61.5

86.7

80.9

75.7

71.2

76.0

71.4

67.4

63.8

67.6

63.9

60.7

57.8

76.9

71.3

66.5

62.3

67.6

63.2

59.4

56.0

60.3

56.8

53.7

50.9

67.3

96.4

89.1

82.9

77.5

84.9

79.2

74.3

69.9

75.9

71.5

67.3

63.7

93.1

86.1

80.0

74.7

82.1

76.6

71.7

67.5

73.4

69.0

65.0

61.5

86.7

80.9

75.7

71.2

76.0

71.4

67.4

63.8

67.6

63.9

60.7

57.8

76.9

71.3

66.5

62.3

67.6

63.2

59.4

56.0

60.3

56.8

53.7

50.9

76.9

71.3

66.5

62.3

67.5

63.2

59.4

56.0

60.3

56.8

53.7

50.9

76.9

71.3

66.5

62.3

67.6

63.2

59.4

56.0

60.3

56.8

53.7

50.9

EXT.(+)

106.5

99.1

92.5

86.5

93.4

INT.(-)

106.5

99.1

92.5

86.5

93.4

CLIPPED MULLIONS

DOOR WIDTH

W2

REFER TO SEPARATE 'CGI' N.O.A. FOR SERIES 450 DOORS, SIDELITES AND TRANSOMS

| Impact Resistant | Windows & Doors | Windows & Doors | Were stronger | CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET | HIALEAH, FL 33018 | (305) 593-6590

MULLION LOAD

ONY LYNW MILES LICENSE MILL STATE OF A TANKET

LIMIT EXTERIOR LOADS TO +100 PSF FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. SEE CHART ABOVE FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.

TOTAL PROPERTIES $lx = 14.183 IN^4$ $Sx = 4.728 IN^3$

PRODUCT REVISED as complying with the Florida Building Code 20-0610.09 NOA-No.

Expiration Date 10/05/2026

Miami-Dade Product Control

A) NO CHANGES THIS SHEET. AK - 06/03/20

06/03/20

Date

CHART

AGK

КB

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450 CLIPPED MULLION

REGISTRATION #29296

⋖

Rev.

MD-450MULL

No. DMC

σ

P

2

Sheet

NTS

Scale

450MULL

PREPARED BY A. LYNN MILLE 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600

A. LYNN MILLER, P.E. P.E.# 58705

		DESIGN LOAD	CAPACITY - PSF	. (2 X 6 X	1/8")					DESIGN LOA	D CAPACITY - PSI	F. (2 X 6 X	1/8")				
		NOMINAL DIMS.		1/4" AN	ICHORS	5/16" A1	NCHORS			NOMINAL DIMS.	1/4" ANCHORS		5/16" A1	NCHORS			
WIDTH	WIDTH	FRAME HEIGHT	DOOR HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT (4)	WIDTH	WIDTH	FRAME HEIGHT	DOOR HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)		
(W1)	(W2)	INCHES	INCHES			EXT.(1)	1141.(-)	(W1)	(W2)	INCHES	INCHES	12/11.(1)	пит.(-)	LAI.(')	1141.(-)		
	24			103.1	103.1	110.0	110.0		24]		87.0	87.0	88.9	88.9		
60	30			96.0	96.0	107.1	107.1	60	30			80.5	80.5	82.6	82.6		
	36			89.8	89.8	100.1	100.1	00	36	138	96	75.0	75.0	77.2	77.2		
	42	108		84.3	84.3	94.1	94.1	72	42			70.1	70.1	72.5	72.5		
	24			90.4	90.4	100.9	100.9		24			76.6	76.6	78.0	78,0		
72	30		96	84.9	84.9	94.7	94.7		30			71.5	71.5	73.2	73.2		
	36		"	80.0	80.0	89.2	89.2	12	36	150		67.1	67.1	68.9	68.9		
	42			75.6	75.6	84.4	84.4	8 9 5	42			63.2	63.2	65.1	65.1		
	24			80.5	80.5	89.8	89.8		24]		68.4	68.4	69.5	69.5		
84	30			76.1	76.1	84.9	84.9		30			64.3	64.3	65.6	65.6		
04	36			72.1	72.1	80.5	80.5		36			60.7	60.7	62.2	62.2		
	42			68.6	68.6	76.5	76.5		42			57.5	57.5	59.0	59.0		
	24			99.4	99.4	110.0	110.0		24			80.4	80.4	80.4	80.4		
60	30			92.4	92.4	103.1	103.1	60	30			74.7	74.7	74.7	74.7		
00	36		96	86.4	86.4	96.3	96.3	96.3 90.4 97.3 91.3 85.9	36	144	96	69.4	69.4	69.4	69.4		
	42			81.0	81.0	90.4	90.4		42			64.8	64.8	64.8	64.8		
	24			87.3	87.3	97.3	97.3		24			70.5	70.5	70.5	70.5		
72	30	114		81.8	81.8	91.3	91.3		30			66.1	66.1	66.1	66.1		
12	36			77.0	77.0	85.9	85.9		36	144		62.2	62.2	62.2	62.2		
	42			72.8	72.8	81.2	81.2	1	42]		58.5	58.5	58.5	58.5		
	24			77.8	77.8	86.7	86.7		24	1		62.7	62.7	62.7	62.7		
84	30			73.4	73.4	81.9	81.9	84	30]		59.3	59.3	59.3	59.3		
04	36			69.5	69.5	77.5	77.5	04	36]		56.2	56.2	56.2	56.2		
	42			66.0	66.0	73.7	73.7		42	1		53.3	53.3	53.3	53.3		
	24			96.0	96.0	107.1	107.1						•				
60	30			89.1	89.1	99.4	99.4										
ου	36			83.2	83.2	92.8	92.8										
	42			78.0	78.0	87.0	87.0					CH	PPED MI	HILIONE			
	24			84.3	84.3	94.1	94.1					اسا ۔	THE DIM				
72	30	120	06	79.0	79.0	88.1	88.1				A	-III-	· · · · · · ·		一		
72	36	120	96	74.3	74.3	82.9	82.9										
	42			70.1	70.1	78.2	78.2				 L			⅃ ║┖	<u> </u>		

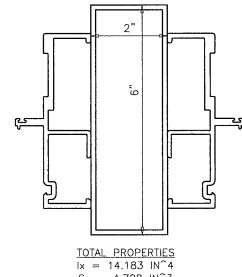
59.4

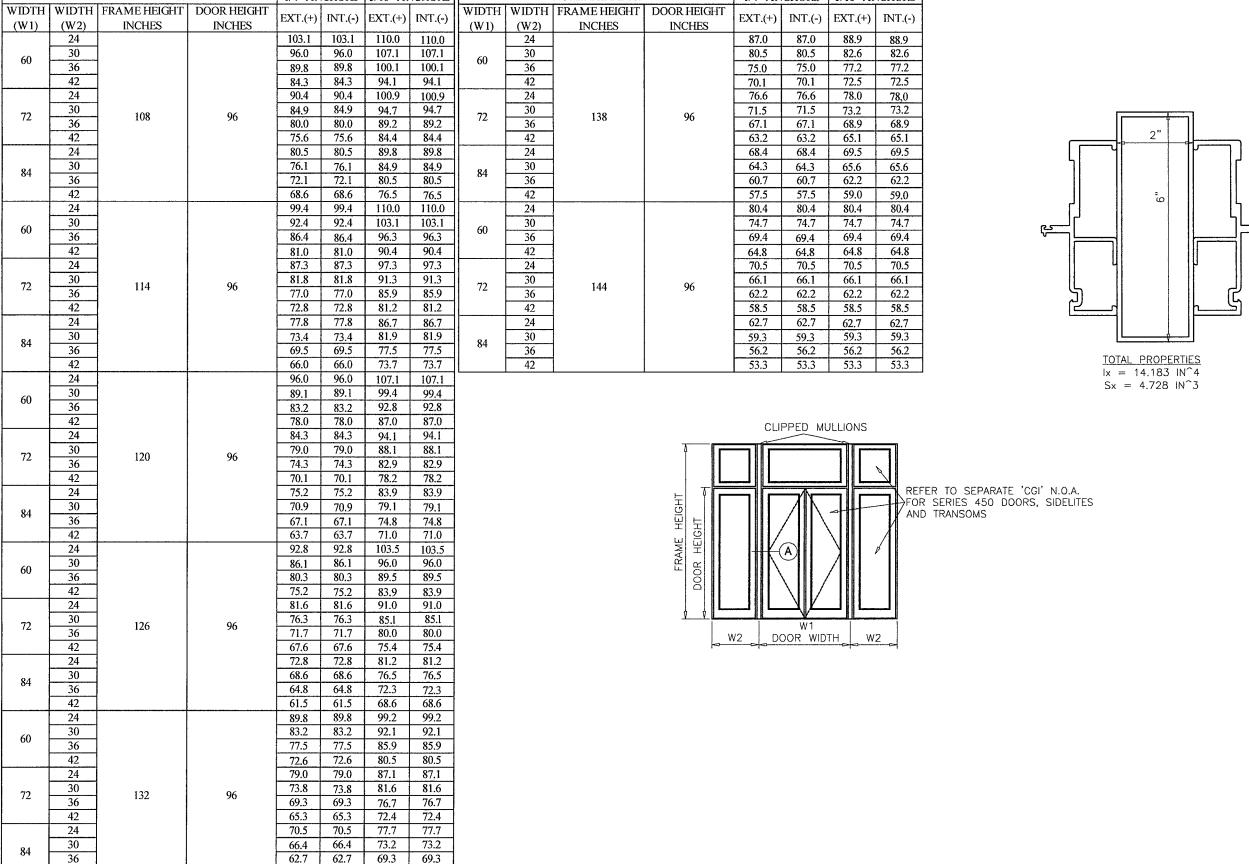
59.4

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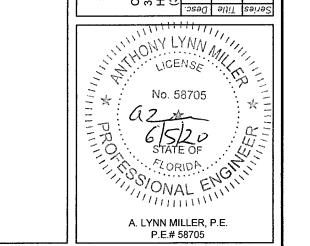
LIMIT EXTERIOR LOADS TO +100 PSF FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. SEE CHART ABOVE FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.

PRODUCT REVISED as complying with the Florida Building Code 20-0610.09 NOA-No. **Expiration Date 10/05/2026**

Miami-Dade Product Control

A) NO CHANGES THIS SHEET. AK - 06/03/20

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 06/03/20 Rev. MD-450MULL REGISTRATION # Orawn By No. တ РО Mindows & Doors
Wene Stronger
GI DOORS AND WINDOWS, INC.
780 W 104TH STREET
INC.
181 EACH, FL 33018 MULLION LOAD CHARTS 450 CLIPPED MULLION က Sheet NTS 450MULL Sodie



		DESIGN LOA	D CAPACITY - PSF	. (2 X 6 X 1	[/8")			DESIGN LOAI	D CAPACITY - PSF	. (2 X 6 X 1	/8")				
		NOMINAL DIMS.		1/4" AN	CHORS	5/16" Al	NCHORS			NOMINAL DIMS.		1/4" AN	1/4" ANCHORS		NCHORS
WIDTH (W1)	WIDTH (W2)	FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	WIDTH (W1)	WIDTH (W2)	FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
	24			92.4	92.4	103.1	103.1		24		120	83.8	83.8	93.4	93.4
60	30			86.1	86.1	96.0	96.0	60	30			78.0	78.0	87.0	87.0
00	36]		80.5	80.5	89.8	89.8	60	36			73.0	73.0	81.4	81.4
	42	120		75.6	75.6	84.4	84.4		42			68.6	68.6	76.5	76.5
	24			81.0	81.0	90.4	90.4		24	132		73.4	73.4	81.8	81.9
72	30		108	76.1	76.1	84.9	84.9	72	30			69.0	69.0	76.9	76.9
'-	36		100	71.7	71.7	80.0	80.0	84	36			65.0	65.0	72.5	72.5
	42			67.8	67.8	75 .7	75.7		42			61.5	61.5	68.6	68.6
H	24			72.1	72.1	80.5	80.5		24			653	65.3	72.9	72.9
84	30			68.2	68.2	76.1	76.1		30			61.8	61.8	68.9	68.9
	36			64.7	64.7	72.1	72.1		36			58.6	58.6	65.4	65.4
	42			61.5	61.5	68.6	68.6		42			55.7	55.7	62.1	62.1
	24			89.5	89.5	99.8	99.8		24			81.3	81.3	90.7	90.7
60	30			83.2	83.2	92.8	92.8	60	30			75.6	75.6	84.4	84.4
	36			77.8	77.8	86.7	86.7		36			70.7	70.7	78.9	78.9
	42			73.0	73.0	81.4	81.4		42			66.4	66.4	74.0	74.0
	24		108	78.5	78.5	87.5	87.5		24			71.3	71.3	79.5	79.5
72	30	126		73.6	73.6	82.1	82.1	72	30 36	138	120	66.9	66.9	74.6	74.6
	42			69.3	69.3 65.5	77.3 73.1	77.3 73.1	84	42			6.3.0	63.0	70.3	70.3
	24			69.9	69.9							59.6	59.6	66.4	66.4
i i	30					78.0 73.7	78.0 73.7		24 30			63.5	63.5	70.8	70.8 66.9
84	36			66.0	66.0	69.8	69.8		36			60.0 56.9	60.0 56.9	66.9	63.4
	42			59.4	59.4	66.3	66.3		42			54.0	54.0	60.3	60.3
	24			86.7	86.7	96.7	96.7		24			79.0	79.0	88.1	88.1
!	30			80.7	80.7	89.8	89.8		30			73.4	73.4	81.9	81.9
60	36	1		75.2	75.2	83.9	83.9	60	36			68.6	68.6	76.3	76.3
	42	1		70.5	70.5	78.6	78.6		42			64.3	64.3	71.1	71.1
	24			76.1	76.1	84.9	84.9		24			69.3	69.3	77.3	77.3
	30			71.3	71.3	79.5	79.5		30			65.0	65.0	72.5	72.5
72	36	132	108	67.1	67.1	74.8	74.8	72	36	144	120	61.2	61.2	68.2	68.2
	42	1		63.4	63.4	70.7	70.7		42			57.8	57.8	64.4	64.4
	24			67.8	67.8	75.7	75.7		24			61.8	61.8	68.9	68.9
	30			64.0	64.0	71.4	71.4		30			56.3	58.6	65.0	65.0
84	36			60.6	60.6	67.6	67.6	84	36			55.2	55.2	61.6	61.6
	42			57.5	57.5	64.1	64.1		42			52.4	52.4	58.5	58.5
	24			84.0	84.0	93.5	93.5								
(0	30	1		78.0	78.0	86.6	86.6								
60	36			72.8	72.8	80.6	80.6								

68.2

73.8

69.1

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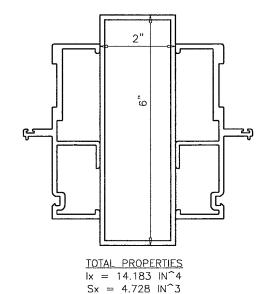
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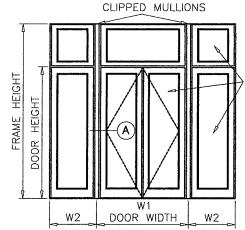
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84

60

72





REFER TO SEPARATE 'CGI' N.O.A. FOR SERIES 450 DOORS, SIDELITES AND TRANSOMS

> LIMIT EXTERIOR LOADS TO +100 PSF FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. SEE CHART ABOVE FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.

PRODUCT REVISED as complying with the Florida Building Code 20-0610.09 NOA-No.

Expiration Date 10/05/2026

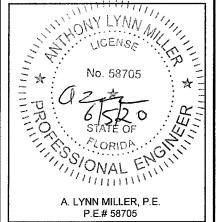
Miami-Dade Product Control

A) NO CHANGES THIS SHEET.

AK - 06/03/20

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PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 06/03/20 Rev. REGISTRATION #29296 MD-450MULL Date угами Ву DWG No. တ Mindows & Doors
Wene stronger...
GI DOORS AND WINDOWS, INC.
780 W 104TH STREET
MALEAH, FL 33018
MINDOWS, INC. MULLION LOAD CHARTS 450 CLIPPED MULLION 4 Sheet NTS Scale 450MULL



Series Title Desc.

DESIGN LOAD CAPACITY - PSF. (2 X 8 X 1/8")										DESIGN LOAD CAPACITY - PSF. (2 X 8 X 1/8")									
I		NOMINAL DIMS.	D CAPACITY-131		ICHORS	5/16" AN	VCHORS			NOMINAL DIMS.	J CATACHT - TSI	1/4" AN		5/16" AN	NCHORS				
WIDTH	WIDTH		DOOR HEIGHT			1		WIDTH	WIDTH	FRAME HEIGHT	DOOR HEIGHT	1			<u> </u>				
(W1)	(W2)	INCHES	INCHES	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	(W1)	(W2)	INCHES	INCHES	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)				
	24			110.0	110.0	110.0	110.0		24			96.4	95.4	107.5	107.5				
60	30			108.5	108.5	110.0	110.0	60	30			89.1	89.1	99.4	99.4				
	36			101.5	101.5	110.0	110.0	00	36			82.9	62.9	92.5	92.5				
	42			95.3	95.3	106.3	106.3		42			77.5	77.5	85.5	85.5				
	24	-		102.3	102.3	110.0	110.0		24			84.9	84.9	94.7	94.7				
72	30	96	84	96.0	96.0	107.1	107.1	72	30	126	84	79.2	79.2	88.4	88.4				
	36	-		90.4 85.5	90.4 85.5	100.9 95.3	100.9 95.3		36 42			74.3 69.9	74.3 59.9	82.9 78.0	82.9 78.0				
11	24	-		91.1	91.1	101.6	101.6		24			75.9	75.9	84.5	84.6				
11	30			86.1	86.1	96.0	96.0	1	30			71.3	71.3	79.5	79.5				
84	36			81.6	81.6	91.0	91.0	84	36			67.3	67.3	75.0	75.0				
[]	42			77.5	77.5	86.5	86.5		42			63.7	63.7	71.0	71.0				
	24			110.0	110.0	110.0	110.0		24			93.1	93.1	103.9	103.9				
60	30			104.0	104.0	110.0	110.0	60	30			86.1	86.1	96.0	96.0				
	36			97.1	97,1	108.3	108.3	00	36			80.0	80.0	89.2	89.2				
11	42			91.1	91.1	101.6	101.6		42			74.7	74.7	83.4	83.4				
	24	102		98.3	98.3	109.6	109.6		24			82.1	82.1	91.6	91.6				
72	30		84	92.1	92.1	102.7	102.7	72	30	132	84	76.6	76.6	85.4	85.4				
	42			86.7 81.8	86.7 81.8	96.7 91.3	96.7 91.3		36 42			71.7	71.7 67.5	80.0 75.2	80.0 75.2				
11	24			87.6	87.6	97.7	97.7		24			73.4	73.4	81.9	81.9				
	30			82.6	82.6	92.2	92.2		30			69.0	69.0	76.9	76.9				
84	36			78.2	78.2	87.3	87.3	84	36			65.0	65.0	72.5	72.5				
	42			74.3	74.3	82.9	82.9	- - 	42			61.5	61.5	68.6	68.6				
	24		-	107.6	107.6	110.0	110.0	60	24			90.1	90.1	100.5	100.5				
60	30		84	99.8	99.8	110.0	110.0		30			83.2	83.2	92.8	92.8				
	36			93.1	93.1	103.9	103.9		36			77.3	77.3	86.2	86.2				
	42			87.3	87.3	97.3	97.3		42			72.1	72.1	80.5	80.5				
11	24			94.5 88.5	94.5 88.5	105.5	105.5		24			79.5	79.5	88.7	88.7				
72	36	108		83.2	83.2	98.7 92.8	98.7 92.8		36	138	84	74.1 69.3	74.1 69.3	82.6 77.3	82.6 77.3				
	42			78.5	78.5	87.5	87.5		42			65.2	65.2	72.7	72.7				
	24			84.3	84.3	94.1	94.1		24			71.1	71.1	79.3	79.3				
	30	1 1		79.5	79.5	88.7	88.7		30			66.7	66.7	74.4	74.4				
84	36]		75.2	75.2	83.9	83.9	84	36			62.9	62.9	70.1	70.1				
	42			71.3	71.3	79.5	79.5		42			59.4	59.4	66.3	66.3				
	24			103.6	103.6	110.0	110.0		24			87.3	87.3	96.5	96.5				
60	30			96.0	96.0	107.1	107.1	60	30			80.5	80.5	89.8	89.8				
	36			89.5	89.5	99.8	99.8	-	36			74.7	74.7	83.4	83.4				
	42 24			83.8 91.1	83.8 91.1	93.4 101.6	93.4 101.6		42 24			69.7 77.0	69.7 77.0	77.8 84.5	77.8 84.5				
	30			85.2	85.2	95.0	95.0		30			71.7	71.7	79.5	79.5				
72	36	114	84	80.0	80.0	89.2	89.2	72	36	144	84	67.1	67.1	74.8	74.8				
	42	1		75.4	75.4	84.1	84.1		42			63.0	63.0	70.3	70.3				
	24]		81.3	81.3	90.7	90.7		24			69.0	69.0	75.1	75.1				
84	30			76.6	76.6	85.4	85.4	84	30			64.7	64.7	71.1	71.1				
	36			72.3	72.3	80.7	80.7	"	36			60.9	60.9	67.6	67.6				
	42			68.6	68.6	76.5	76.5		42			57.5	57.5	64.1	64.1				
	30			99.8 92.4	99.8 92.4	110.0	110.0 103.1								T				
60	36			86.1	86.1	96.0	96.0												
11	130			00.1	00.1	20.0	90.0												

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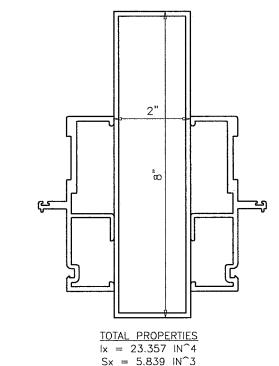
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CLIPPED MULLIONS REFER TO SEPARATE 'CGI' N.O.A.
FOR SERIES 450 DOORS, SIDELITES FRAME HEIGHT AND TRANSOMS DOOR

W2

DOOR WIDTH

LIMIT EXTERIOR LOADS TO +100 PSF FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. SEE CHART ABOVE FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.

PRODUCT REVISED as complying with the Florida Building Code 20-0610.09 NOA-No.

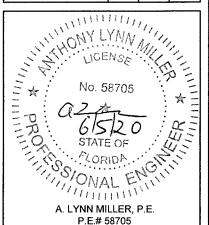
Expiration Date 10/05/2026

Miami-Dade Product Control

A) NO CHANGES THIS SHEET. AK - 06/03/20

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 06/03/20 Rev. REGISTRATION #29296 MD-450MULL Date By DWG No. တ Я MULLION LOAD CHARTS 450 CLIPPED MULLION S Sheet NTS

Series Title Desc.



450MULL Scale

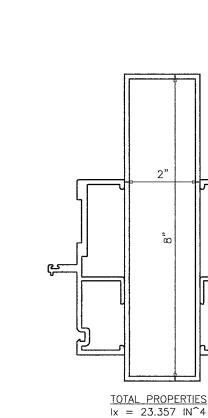
		DEGLOVE	D CADA CUEST DOD	(0.37.0.37	1.(011)			1		TO TO THE STATE OF				
<u> </u>		NOMINAL DIMS.	D CAPACITY - PSF			- C/1 C/1 43	ICITODO	DESIGN LOAD CAPACITY - PSF NOMINAL DIMS.						
WIDTH	H WIDTH		DOOR HEIGHT	1/4 AN	ICHORS	3/16" A1	NCHORS	WIDTH	WIDTH		DOOR HEIGHT			
(W1)	(W2)	INCHES	INCHES	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	(W1)	(W2)	INCHES	INCHES			
(** 1)	24	INCIRES	INCILO	103.1	103.1	110.0	110.0	(** 1)	24	INCIES	INCIES			
	30	1		96.0	96.0	107.1	107.1		30					
60	36	1		89.8	89.8	100.1	100.1	60	36					
	42	1		84.3	84.3	94.1	94.1		42					
	24]		90.4	90.4	100.9	100.9		24					
72	30	108	96	84.9	84.9	94.7	94.7	72	30	138	96			
'-	36	100	, ,	80.0	80.0	89.2	89.2	'2	36	156	20			
	42			75.6	75.6	84.4	84.4		42		1			
	24	-		80.5	80.5	89.8	89.8		24					
84	30			76.1	76.1	84.9	84.9	84	30					
	36 42	-		72.1 68.6	72.1	80.5	80.5		36					
I	24			99.4	68.6 99.4	76.5 110.0	76.5 110.0		42 24					
	30	-		92.4	92.4	103.1	103.1		30					
60	36			86.4	86.4	96.3	96.3	60	36					
11	42			81.0	81.0	90.4	90.4		42					
	24			87.3 87.3 97.3 97.3 87.3		24								
	30	1,,,	06	81.8	81.8	91.3	91.3		30		2.			
72	36	114	96	77.0 77.0	85.9	85.9	72	36	144	96				
11	42]		72.8	72.8	81.2	81.2		42					
	24]		77.8	77.8	86.7	86.7		24					
84	30			73.4	73.4	81.9	81.9	84	30					
"	36	_		69.5	69.5	77.5	77.5	04	36					
	42			66.0	66.0	73.7	73.7		42	<u> </u>	L			
	24			96.0	96.0	107.1	107.1							
60	30			89.1	89.1	99.4	99.4							
	36 42			83.2 78.0	83.2 78.0	92.8	92.8							
	24	-		84.3	84.3	87.0 94.1	87.0 94.1							
	30	1		79.0	79.0	88.1	88.1							
72	36	120	96	74.3	74.3	82.9	82.9							
	42	1		70.1	70.1	78.2	78.2							
	24	1		75.2	75.2	83.9	83.9							
04	30			70.9	70.9	79.1	79.1							
84	36			67.1	67.1	74.6	74.8							
	42			63.7	63.7	71.0	71.0							
	24			92.8	92.8	103.5	103.5							
60	30			86.1	86.1	96.0	96.0							
	36			80.3	80.3	89.5	89.5							
 	42			75.2	75.2	83.9	83.9							
	24 30			81.6 76.3	81.6 76.1	91.0	91.0 85.1							
72	36	126	96	71.7	71.7	85.1 80.0	80.0							
11	42			67.6	67.6	75.4	75.4							
	24			72.8	72.8	81.2	81.2							
	30			68.6	68.6	76.5	76.5							
84	36			64.8	64.8	72,3	72.3							
	42			61.5	61.5	68.6	68.6							
	24			89.8	89.8	100.1	100.1							
60	30			83.2	83.2	92.8	92.8							
	36			77.5	77.5	86.5	86.5							
	42			72.6	72.6	80.9	80.9							
	24			79.0	79.0	88.1	88.1							
72	30	132	96	73.8	73.8	82.4	82.4							
	36 42			69.3 65.3	69.3 65.3	77.3	77.3							
	24			70.5	70.5	72.9 78.6	72.9 78.6							
	24			70.5	70.5	78.0	78.0							

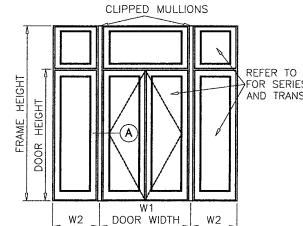
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84





REFER TO SEPARATE 'CGI' N.O.A. FOR SERIES 450 DOORS, SIDELITES AND TRANSOMS

 $Sx = 5.839 IN^3$

LIMIT EXTERIOR LOADS TO +100 PSF FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. SEE CHART ABOVE FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.

DESIGN LOAD CAPACITY - PSF. (2 X 8 X 1/8")

1/4" ANCHORS 5/16" ANCHORS

INT.(-)

87.0

80.5

75.0

70.1

76.6

71.5

67.1

63.2

68.4

64.3

60.7

57.5

84.3

78.0

72.6

67.8

74.3

69.3

65.0

61.2

66.4

62.4

58.9

55.7

EXT.(+)

97.0

89.8

83.6

78.2

85.4

79.8

74.8

70.5

76.3

71.8

67.7

64.1

94.1

87.0

80.9

75.7

82.9

77.3

72.5

68.2

74.0

69.6

65.7

62.1

INT.(-)

97.0

89.8

83.6

78.2

85.4

79.8

74.8

70.5

76.3

71.8

67.7

64.1

94.1

87.0

80.9

75.7

82.9

77.3

72.5

68.2

74.0

69.6

65.7

62.1

EXT.(+)

87.0

80.5

75.0

70.1

76.6

71.5

67.1

63.2

68.4

64.3

60.7

57.5

84.3

78.0

72.6

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74.3

69.3

65.0

61.2

66.4

62.4

58.9

55.7

66.4 74.0

69.9

66.3

62.7

59.4 59.4

62.7

74.0

69.9

66.3

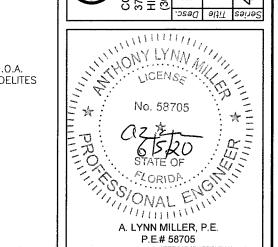
PRODUCT REVISED as complying with the Florida
Building Code 20-0610.09 NOA-No. Expiration Date 10/05/2026

Miami-Dade Product Control

A) NO CHANGES THIS SHEET. AK - 06/03/20

⋖

= 9	450MULL S NTS 6 OF 9
AGK	450 CLIPPED MULLION
을 06/03/20	MULLION LOAD CHARTS
REGISTRATION #29296	41ALEAH, FL 33018 (305) 593-6590
(941) 480-1600	CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET
1070 TECHNOLOGY DRIVE N. VENICE, FL 34275	Windows & Doors we're stronger"
PREPARED BY A. LYNN MILLER	Impact Resistant



							DESIGN LOAD CAPACITY - PSF. (2 X 8 X 1/8")									
				D CAPACITY - PSF			T		ļ			D CAPACITY - PSF				
ı		T	NOMINAL DIMS.		1/4" AN	CHORS	5/16" Al	NCHORS	<u> </u>		NOMINAL DIMS.		1/4" AN	ICHORS	5/16" A1	NCHORS
	WIDTH (W1)	WIDTH (W2)	FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	WIDTH (W1)	WIDTH (W2)	FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
		24			92.4	92.4	103.1	103.1		24			83.8	83.8	93.4	93.4
1	60	30			86.1	86.1	96.0	96.0	60	30			78.0	78.0	87.0	87.0
1	00	36			80.5	80.5	89.8	89.8] 00	36		120	73.0	73.0	81.4	81.4
1		42			75.6	75.6	84.4	84.4		42			68.6	68.6	76.5	76.5
1		24			81.0	81.0	90.4	90.4		24	132		73.4	73.4	81.9	81.9
1	72	30	120	108	76.1	76.1	84.9	84.9	72	30			69.0	69.0	76.9	76.9
١	1 12	36			71.7	71.7	80.0	80.0	84	36			65.0	65.0	72.5	72.5
1		42			67.8	67.8	75.7	75.7		42			61.5	61.5	68.6	68.6
		24			72.1	72.1	80.5	80.5		24			65.3	65.3	72.9	72.9
1	84	30			68.2	68.2	76.1	76.1		30			61.8	61.8	68.9	68.9
ı	-	36			64.7	64.7	72.1	72.1		36			58.6	58.6	65.4	65.4
		42			61.5	61.5	68.6	68.6		42			55.7	55.7	62.1	62.1
		24			89.5	89.5	99.8	99.8		24			81.3	81.3	90.7	90.7
	60	30			83.2	83.2	92.8	92.8	- 60	30			75.6	75.6	84.4	84.4
		36			77.8	77.8	86.7	86.7		36			70.7	70.7	78.9	78.9
		42			73.0	73.0	81.4	81.4	7.5 2.1 7.3 3.1 8.0 3.7	42			66.4	66.4	74.0	74.0
		24	126	108	78.5	78.5	87.5			24			71.3	71.3	79.5	79.5
	72	30			73.5	73.6	82.1			30	138	120	66.9	66.9	74.6	74.6
		36 42			69.3	69.3	77.3			36			63.0	63.0	70.3	70.3
	<u> </u>	24			69.9		73.1			42			59.6	59.6	66.4	66.4
		30			66.0	69.9	78.0 73.7			30			63.5	63.5	70.8	70.8
ı	84	36			62.6	62.6	69.8	69.8		36			60.0 56.9	60.0 56.9	63.4	66.9
ı		42			59.4	59.4	66.3	66.3		42			54.0	54.0	60.3	60.3
		24			86.7	86.7	96.7	96.7	-	24			79.0	79.0	88.1	88.1
		30			80.7	80.7	89.8	89.8		30			73.4	73.4	81.9	81.9
	60	36			75.2	75.2	83.9	83.9	60	36			68.6	68.6	76.5	76.5
-	1	42			70.5	70.5	78.6	78.6	-	42			64.3	64.3	71.8	71.8
l		24			76.1	76.1	84.9	84.9	 	24			69.3	69.3	77.3	77.3
		30			71.3	71.3	79.5	79.5	-	30			65.0	65.0	72.5	72.5
	72	36	132	108	67.1	67.1	74.8	74.8	72	36	144	120	61.2	61.2	68.2	68.2
	1	42			63.4	63.4	70.7	70.7		42			57.8	57.8	64.4	64.4
		24			67.8	67.8	75.7	75.7		24			61.8	61.8	68.9	68.9
1	0.4	30			64.0	64.0	71.4	71.4		30			58.3	58.3	65.0	65.0
	84	36			60.6	60.6	67.6	67.6	84	36			55.2	55.2	61.6	61.6
		42			57.5	57.5	64.1	64.1	╢ "	42			52.4	52.4	58.5	58.5
		24			84.0	84.0	93.7	93.7	· L	L						
	60	30			78.0	78.0	87.0	87.0								
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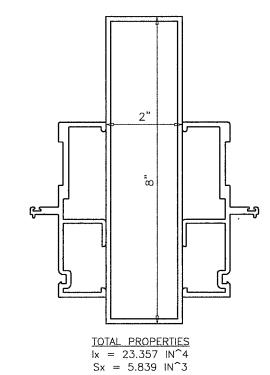
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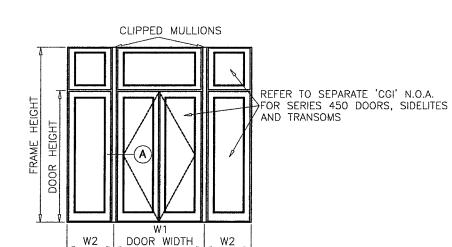
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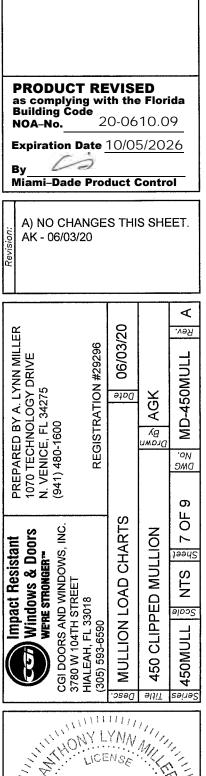
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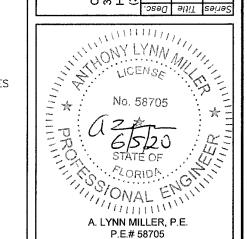
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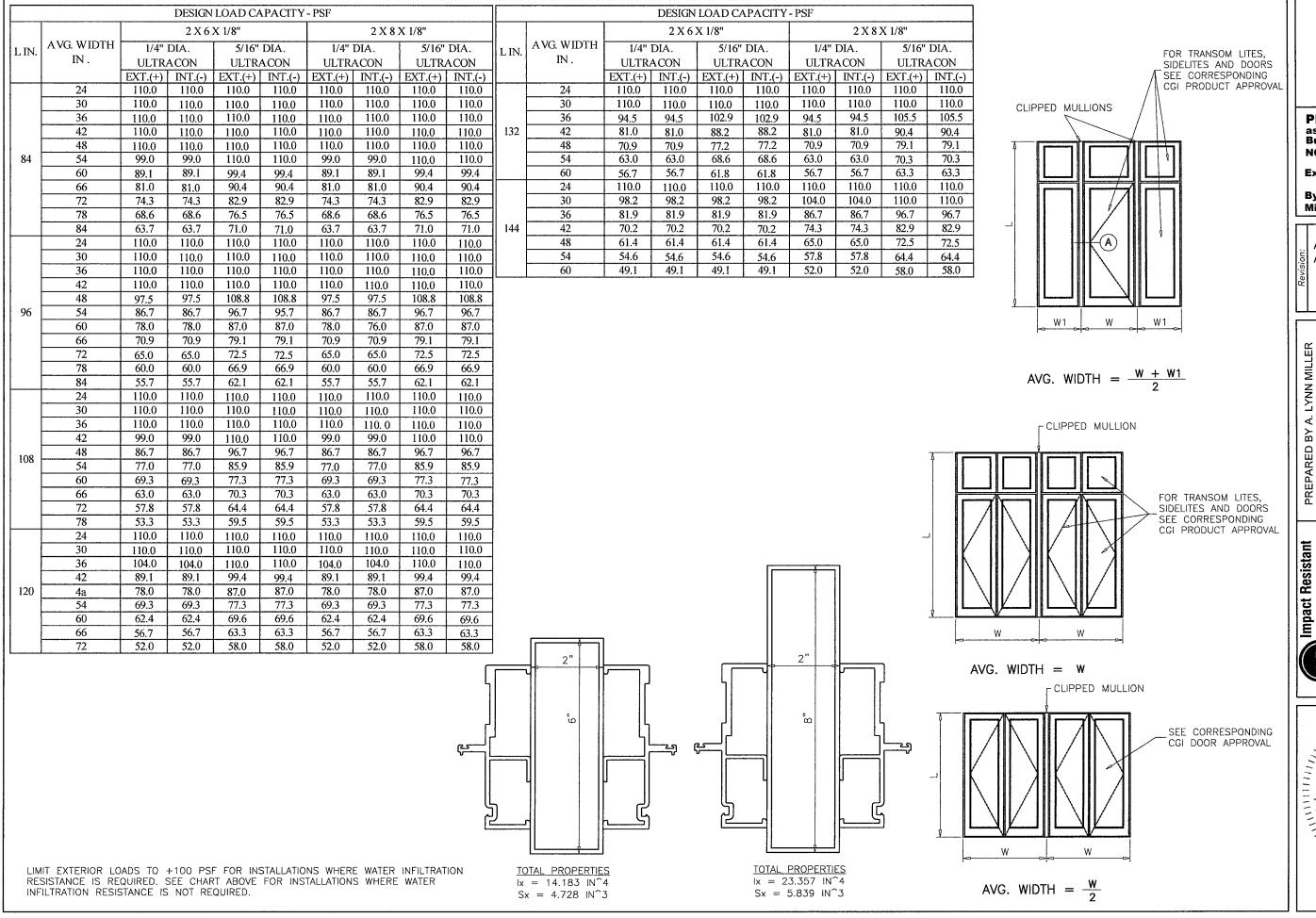




LIMIT EXTERIOR LOADS TO ± 100 PSF FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. SEE CHART ABOVE FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.







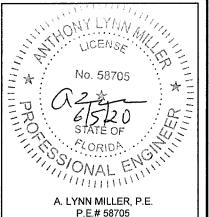
PRODUCT REVISED as complying with the Florida Building Code 20-0610.09 NOA-No.

Expiration Date 10/05/2026

Miami-Dade Product Control

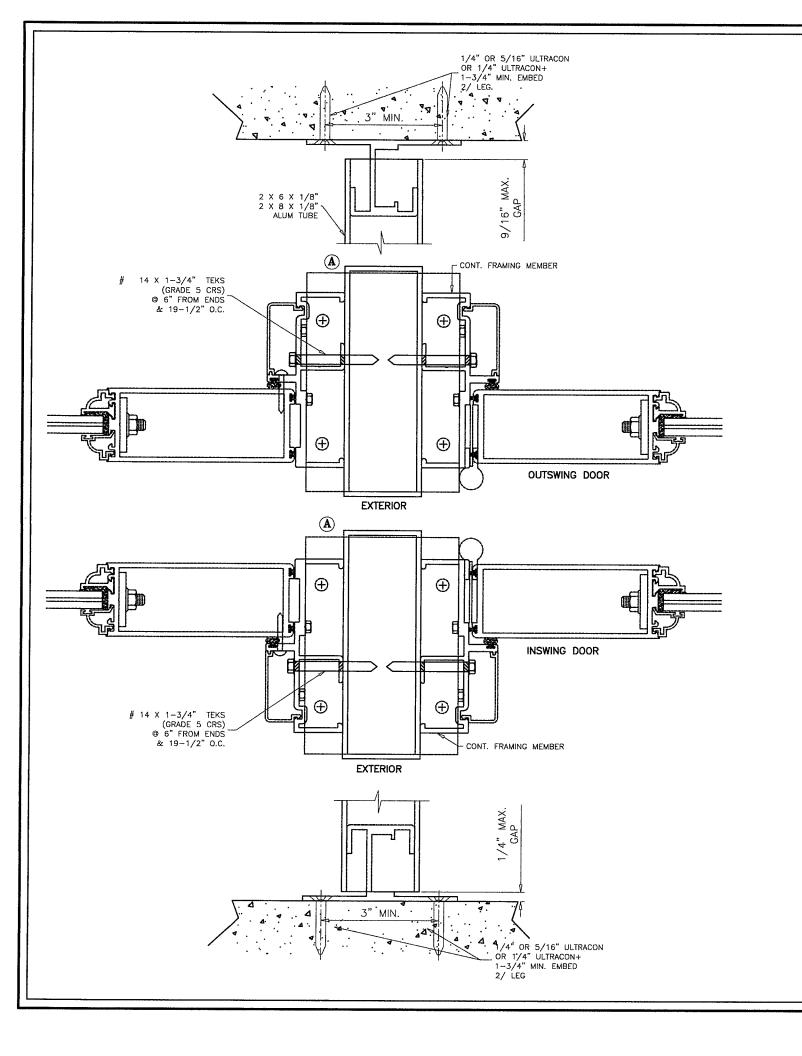
A) NO CHANGES THIS SHEET. AK - 06/03/20

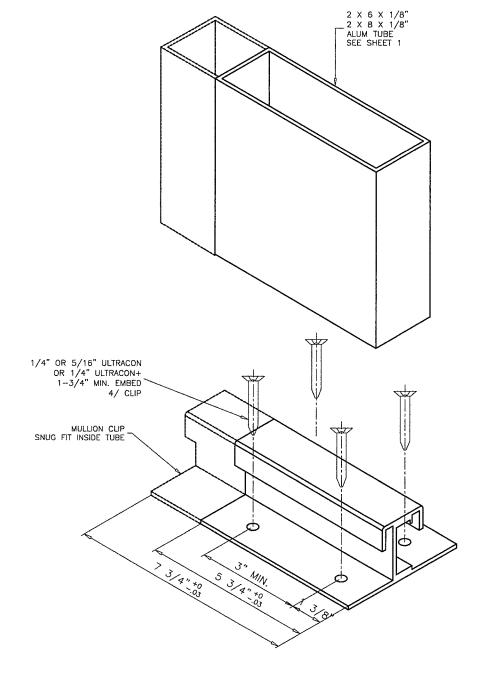
06/03/20 Rev. PREPARED BY A. LYNN MILL 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 MD-450MULL REGISTRATION Date ורסא By ON. DMC တ Я | Impact Resistant Windows & Doors were stronger GGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 CHART **450 CLIPPED MULLION** ∞ 1994S NTS **MULLION LOAD**



450MULL

Series Title





NOTES:

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

2-1/2" MIN. EDGE DISTANCE

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)

2-1/2" MIN. EDGE DISTANCE

5/16" DIA. ULTRACON BY 'ELCO/DEWALT' (Fu=177 KSI, Fy=155 KSI) 3-1/4" MIN. EDGE DISTANCE

CONCRETE f'c = 3000 PSI MIN.

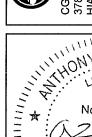
PRODUCT REVISED as complying with the Florida Building Code 20-0610.09 NOA-No.

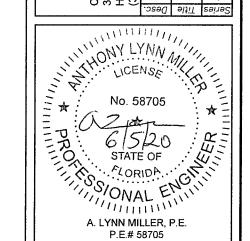
Expiration Date 10/05/2026

Miami-Dade Product Control

A) ADDED ULTRACON+ ANCHORS. AK - 06/03/20

∢ PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 06/03/20 Rev. REGISTRATION #29296 MD-450MULL Date AGK)rawn By ANCHORS No. O 9 OF | Impact Resistant | Windows & Doors | Were stronger | Were stronger | CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET | HALEAH, FL 33018 (305) 593-6590 INSTALLATION DETAILS, 450 CLIPPED MULLION Sheet NTS Scale





450MULL