

SERIES MG-6000 ALUMINUM WINDOW WALL SYSTEM

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT
SHUTTERS ARE NOT REQUIRED.

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

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT 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 INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS 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 SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

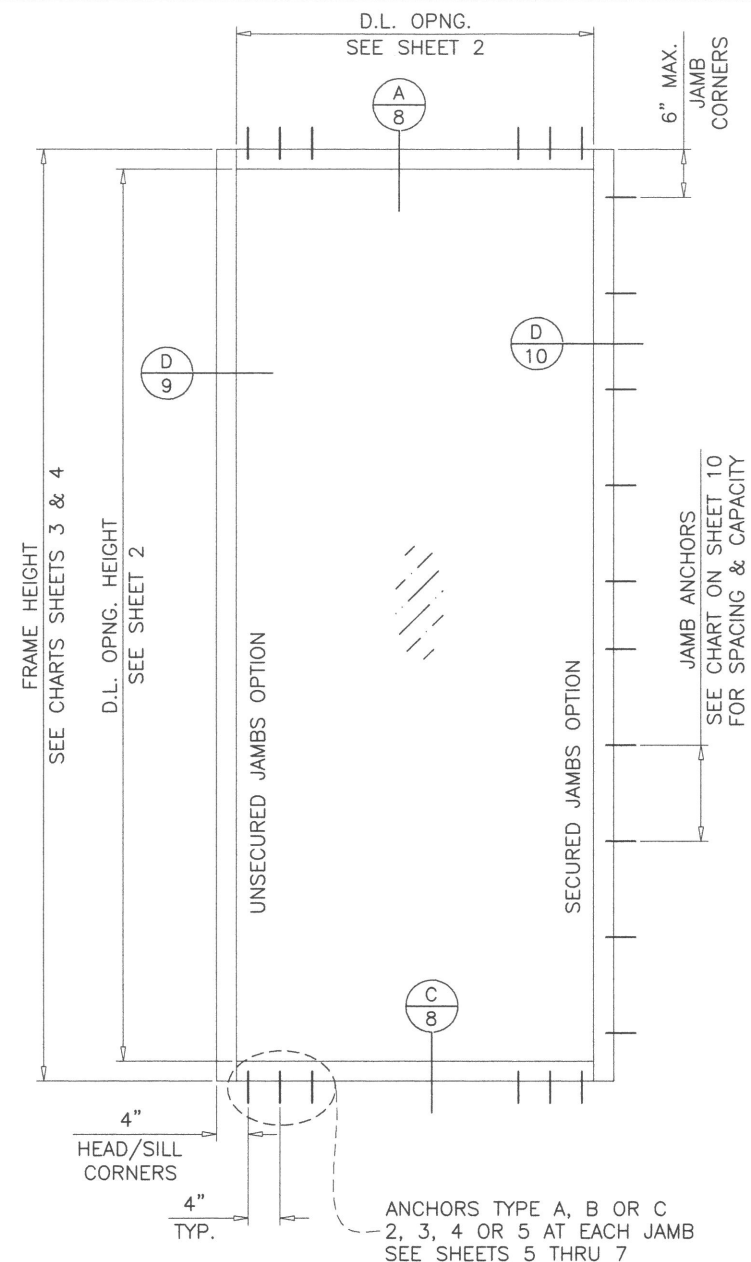
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)' FOR EQUIVALENT LOADS IN 'LOAD AND RESISTANCE FACTOR DESIGN (LRFD)' MULTIPLY 'ASD' LOADS BY 1.67 (ASD LOAD X 1.67 = LRFD LOAD).

TYPICAL ELEVATIONS

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND PRESSURE REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 2 FOR GLASS DESIGN LOAD CAPACITY.
- STEP 3** CHECK MULLION DESIGN LOAD CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 3 & 4 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHARTS ON SHEET 5 THRU 7 SELECT ANCHOR OPTION WITH DESIGN LOAD CAPACITY MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** FOR SECURED JAMB OPTION CHECK JAMB ANCHOR CAPACITY USING CHART ON SHEET 10.
- STEP 6** THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 AND 5 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.
- STEP 7** FOR SYSTEMS WITH UNANCHORED JAMBS, USING SHEET 9, DETERMINE THE MIN. & MAX. GAP DIMENSIONS.



SINGLE 'O' PANEL:
FRAME WIDTH = D.L.O. WIDTH + 5.0"
FRAME HEIGHT = D.L.O. HEIGHT + 5.0"

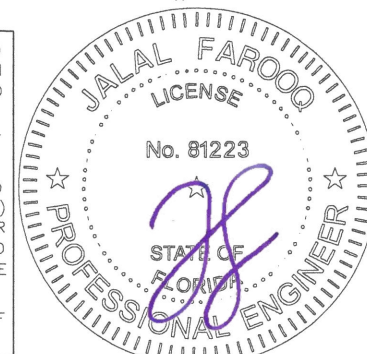
PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

LARGE MISSILE IMPACT

Sealed: 8/5/2020

FL #18411

A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

SERIES MG-6000 ALUM WINDOW WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	no	date	by	description
	A	12.10.15		LOADS REVISED
	B	01.26.18		UPDATED TO 2017 FBC
	C	07.23.20		UPDATED TO 2020 FBC

date: 08-27-15	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
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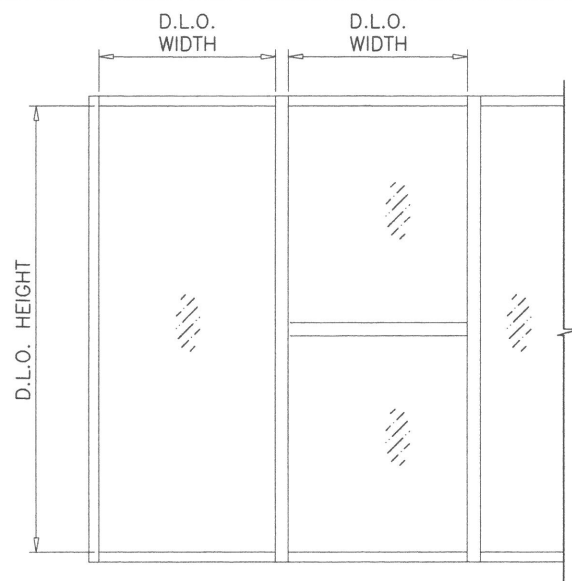
drawing no.
W15-71

sheet 1 of 12

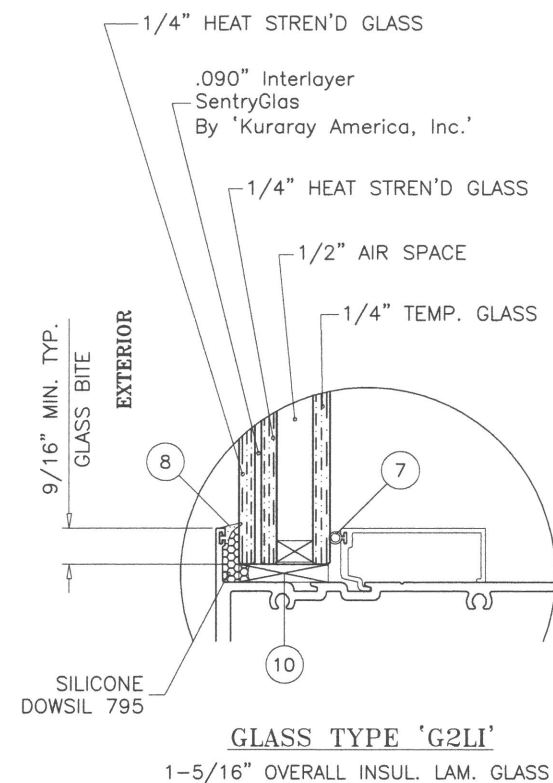
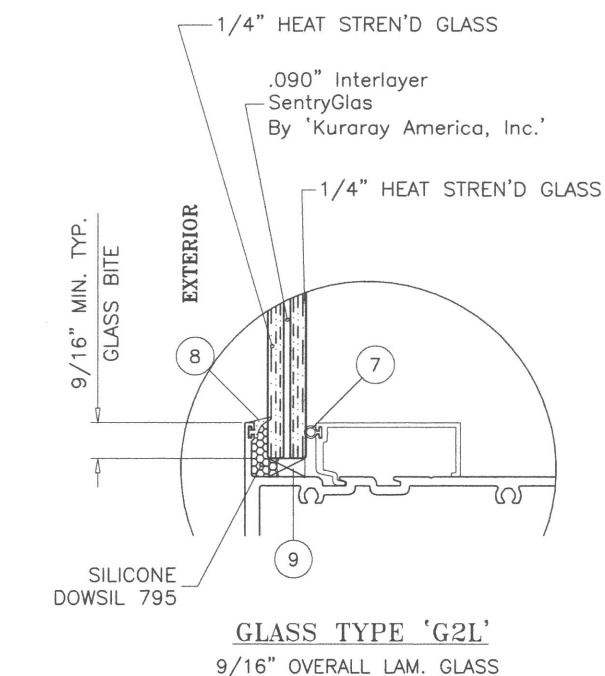
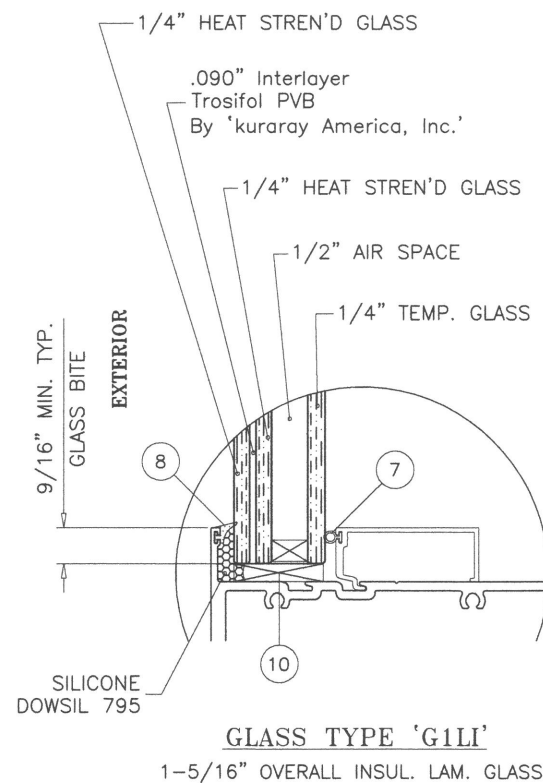
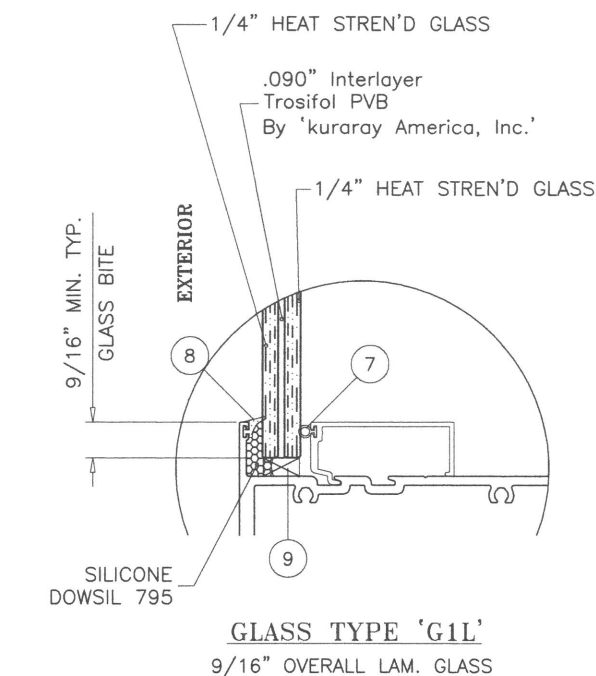
COMP-ANL\W15-71MG

GLASS LOAD CAPACITY – PSF					
NOMINAL DIMS.		GLASS TYPES			
		'G1L' & 'G1LI'		'G2L' & 'G2LI'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
45"	85"	70.0	70.0	100.0	145.0
48"		70.0	70.0	100.0	145.0
51"		70.0	70.0	100.0	145.0
54"		70.0	70.0	100.0	145.0
57"		70.0	70.0	100.0	145.0
60"		70.0	70.0	100.0	145.0
63"		65.0	65.0	100.0	145.0
66"		65.0	65.0	100.0	145.0
69"		65.0	65.0	100.0	145.0
45"	91"	70.0	70.0	100.0	145.0
48"		70.0	70.0	100.0	145.0
51"		70.0	70.0	100.0	145.0
54"		70.0	70.0	100.0	145.0
57"		65.0	65.0	100.0	145.0
60"		65.0	65.0	100.0	145.0
63"		65.0	65.0	100.0	145.0
66"		65.0	65.0	100.0	143.0
69"		65.0	65.0	100.0	137.0
45"	97"	70.0	70.0	100.0	145.0
48"		70.0	70.0	100.0	145.0
51"		70.0	70.0	100.0	145.0
54"		70.0	70.0	100.0	145.0
57"		65.0	65.0	100.0	145.0
60"		65.0	65.0	100.0	145.0
63"		65.0	65.0	100.0	142.0
66"		–	–	100.0	136.0
69"		–	–	100.0	129.0
45"	103"	70.0	70.0	100.0	145.0
48"		70.0	70.0	100.0	145.0
51"		65.0	65.0	100.0	145.0
54"		65.0	65.0	100.0	145.0
57"		65.0	65.0	100.0	145.0
60"		65.0	65.0	100.0	140.0
63"		–	–	100.0	133.0
45"	109"	70.0	70.0	100.0	145.0
48"		70.0	70.0	100.0	145.0
51"		65.0	65.0	100.0	145.0
54"		65.0	65.0	100.0	145.0
57"		65.0	65.0	100.0	139.0
60"		–	–	100.0	132.0
45"	115"	70.0	70.0	100.0	145.0
48"		65.0	65.0	100.0	145.0
51"		65.0	65.0	100.0	145.0
54"		65.0	65.0	100.0	141.0
57"		–	–	100.0	133.0
45"	121"	65.0	65.0	100.0	115.0
48"		65.0	65.0	100.0	115.0
51"		65.0	65.0	100.0	115.0
54"		–	–	100.0	115.0
45"	127"	65.0	65.0	100.0	115.0
48"		65.0	65.0	100.0	115.0
51"		–	–	100.0	115.0
45"	133"	65.0	65.0	100.0	115.0
48"		65.0	65.0	100.0	115.0
45"	139"	65.0	65.0	100.0	115.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS).

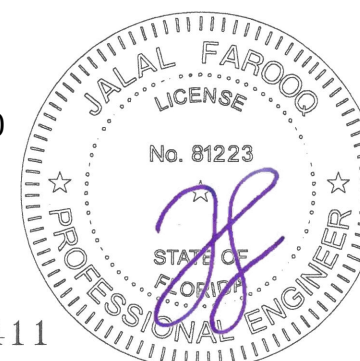


GLAZING OPTIONS

1/2" AIR SPACE CONSISTING OF:
SPACER:
ALUMINUM BOX SPACER AROUND
THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOWSIL 791
GE 2000

GLASS

Sealed: 8/5/2020



FL #18411

af c
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revisions:		by description	
no	date		

date: 08-27-15	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
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drawing no.	W15-71
sheet	2 of 12

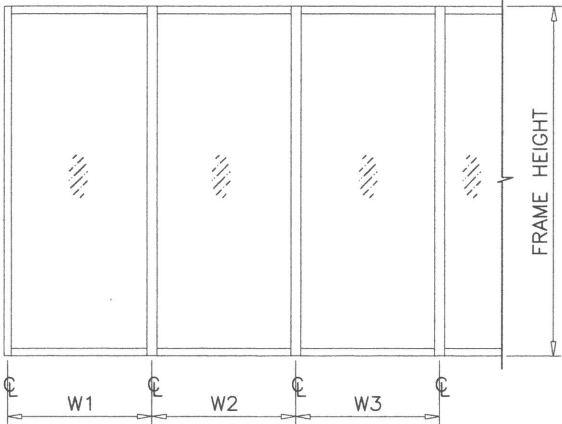
DESIGN LOAD CAPACITY – PSF MULLION WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		JAMB 'J1' MULLION 'M1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)
30"	90"	100.0	110.0
36"		100.0	110.0
42"		100.0	110.0
48"		100.0	110.0
54"		100.0	110.0
55"		100.0	110.0
60"		70.0	70.0
30"	96"	100.0	110.0
36"		100.0	110.0
42"		100.0	110.0
48"		100.0	106.5
51"		97.0	97.0
54"		70.0	70.0
60"		70.0	70.0
30"	102"	100.0	110.0
36"		100.0	110.0
42"		100.0	104.0
48"		92.7	92.7
54"		70.0	70.0
57"		70.0	70.0
30"	108"	70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		70.0	70.0
57"		70.0	70.0
30"	114"	70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
51"		68.3	68.3
57"		68.3	68.3
30"	120"	70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		62.8	62.8

DESIGN LOAD CAPACITY – PSF MULLION WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		JAMB 'J2' MULLION 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)
48"	120"	65.0	65.0
54"		65.0	65.0
58"		65.0	65.0
60"		65.0	65.0
30"	126"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"		65.0	65.0
54"		65.0	65.0
55"		65.0	65.0
30"	132"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"		65.0	65.0
54"		65.0	65.0
53"		63.9	63.9
30"	138"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"		60.7	60.7
54"		58.6	58.6
57"		58.6	58.6
30"	144"	65.0	65.0
36"		65.0	65.0
42"		60.2	60.2
48"		53.2	53.2

DESIGN LOAD CAPACITY – PSF MULLION WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'J2' MULLION 'M3'		JAMB 'J2' MULLION 'M3'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
30"	96"	100.0	145.0	–	–
36"		100.0	145.0	–	–
42"		100.0	145.0	–	–
48"		100.0	145.0	–	–
54"		100.0	145.0	–	–
60"		100.0	145.0	–	–
66"		100.0	115.0	–	–
72"		100.0	115.0	–	–
30"	102"	100.0	145.0	–	–
36"		100.0	145.0	–	–
42"		100.0	145.0	–	–
48"		100.0	145.0	–	–
54"		100.0	145.0	–	–
60"		100.0	115.0	–	–
66"		100.0	115.0	–	–
71"		100.0	115.0	–	–
30"	108"	100.0	145.0	–	–
36"		100.0	145.0	–	–
42"		100.0	145.0	–	–
48"		100.0	144.0	100.0	145.0
54"		100.0	115.0	–	–
60"		100.0	115.0	–	–
66"		100.0	112.5	–	–
67"		100.0	111.3	–	–
30"	114"	100.0	145.0	–	–
36"		100.0	145.0	–	–
42"		100.0	145.0	100.0	145.0
48"		100.0	129.2	100.0	145.0
54"		100.0	115.0	–	–
60"		100.0	107.1	100.0	115.0
63"		100.0	103.1	100.0	115.0
30"		120"	100.0	145.0	–
36"	100.0		145.0	–	–
42"	100.0		130.8	100.0	145.0
48"	100.0		115.0	100.0	137.3
54"	100.0		104.6	100.0	115.0
60"	95.7		95.7	100.0	113.4
30"	126"		100.0	115.0	–
36"		100.0	115.0	–	–
42"		100.0	115.0	–	–
48"		100.0	104.6	100.0	115.0
54"		94.2	94.2	100.0	108.6
55"		92.7	92.7	100.0	107.0
30"		132"	100.0	115.0	–
36"	100.0		115.0	–	–
42"	100.0		107.3	100.0	115.0
48"	94.9		94.9	–	–
53"	86.8		86.8	–	–
				✱	

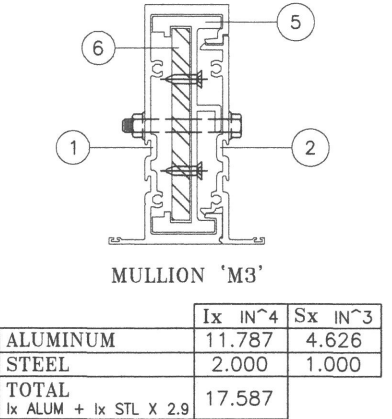
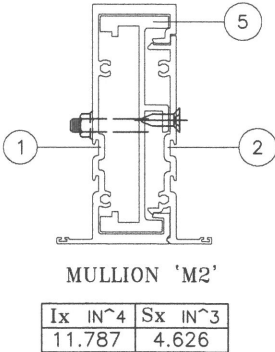
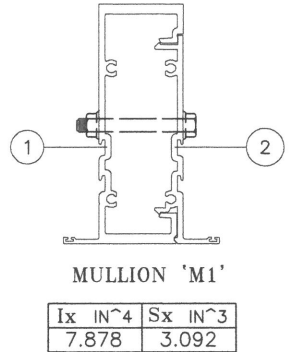
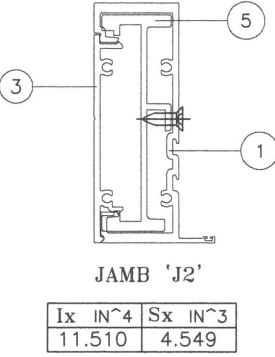
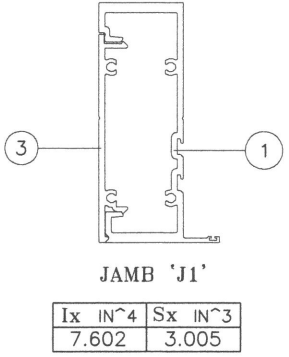
DESIGN LOAD CAPACITY – PSF MULLION WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'J2' MULLION 'M3'		JAMB 'J2' MULLION 'M3'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
30”	138”	100.0	115.0	—	—
36”		100.0	113.3	100.0	115.0
42”		97.9	97.9	100.0	102.4
48”		86.5	86.5	90.6	90.6
50”		83.3	83.3	87.4	87.4
30”	144”	100.0	115.0	—	—
36”		100.0	103.5	—	—
42”		89.5	89.5	—	—
48”		79.2	79.2	—	—
				✱	

*
LOADS SHOWN ARE WITH
COLD ROLLED STEEL STIFFENER
Fu MIN. = 70 KSI



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



Sealed: 8/5/2020



INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

SEE SHEET 9 FOR UNANCHORED JAMB
REINFORCING LIMITS

MULLIONS

FL #18411

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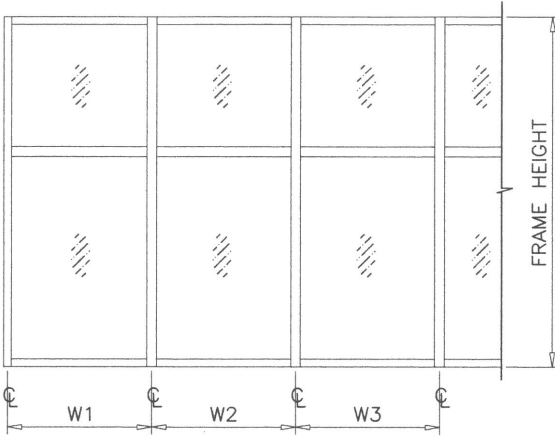
drawing no.
W15-71
sheet 3 of 12

DESIGN LOAD CAPACITY – PSF MULLION WITH INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		JAMB 'J1' MULLION 'M1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)
30"	90"	100.0	110.0
36"		100.0	110.0
42"		100.0	110.0
48"		100.0	110.0
54"		99.7	99.7
55"		97.9	97.9
60"		70.0	70.0
30"	96"	100.0	110.0
36"		100.0	110.0
42"		100.0	110.0
48"		97.9	97.9
51"		92.1	92.1
54"		70.0	70.0
60"		70.0	70.0
30"	102"	100.0	110.0
36"		100.0	110.0
42"		98.3	98.3
48"		86.0	86.0
54"		70.0	70.0
57"		70.0	70.0
30"	108"	70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		67.7	67.7
30"	114"	70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		67.9	67.9
51"		63.9	63.9
30"	120"	70.0	70.0
36"		70.0	70.0
42"		67.4	67.4
48"		58.9	58.9

DESIGN LOAD CAPACITY – PSF MULLION WITH INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		JAMB 'J2' MULLION 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)
48"	120"	65.0	65.0
54"		65.0	65.0
58"		65.0	65.0
30"	126"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"		65.0	65.0
54"		65.0	65.0
55"		65.0	65.0
30"	132"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"		65.0	65.0
53"		60.0	60.0
30"	138"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48"		58.0	58.0
50"		55.7	55.7
30"	144"	65.0	65.0
36"		65.0	65.0
42"		58.3	58.3
48"		51.0	51.0

DESIGN LOAD CAPACITY – PSF MULLION WITH INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'J2' MULLION 'M3'		JAMB 'J2' MULLION 'M3'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
30"	96"	100.0	145.0	–	–
36"		100.0	145.0	–	–
42"		100.0	145.0	–	–
48"		100.0	145.0	–	–
54"		100.0	145.0	–	–
60"		100.0	137.4	100.0	145.0
30"	102"	100.0	145.0	–	–
36"		100.0	145.0	–	–
42"		100.0	145.0	–	–
48"		100.0	145.0	–	–
54"		100.0	135.2	100.0	145.0
60"		100.0	115.0	–	–
30"	108"	100.0	145.0	–	–
36"		100.0	145.0	–	–
42"		100.0	145.0	–	–
48"		100.0	135.7	100.0	145.0
54"		100.0	115.0	–	–
60"		100.0	108.5	–	–
30"	114"	100.0	145.0	–	–
36"		100.0	145.0	–	–
42"		100.0	139.2	100.0	145.0
48"		100.0	121.8	100.0	145.0
54"		100.0	108.2	100.0	115.0
60"		97.4	97.4	100.0	115.0
30"	120"	100.0	145.0	–	–
36"		100.0	145.0	–	–
42"		100.0	125.6	100.0	145.0
48"		100.0	109.9	100.0	129.8
54"		97.7	97.7	100.0	115.0
60"		87.9	87.9	100.0	103.8
30"	126"	100.0	115.0	–	–
36"		100.0	115.0	–	–
42"		100.0	113.9	100.0	115.0
48"		99.7	99.7	100.0	110.0
54"		88.6	88.6	100.0	100.7
55"		87.0	87.0	98.9	98.9
30"	132"	100.0	115.0	–	–
36"		100.0	115.0	–	–
42"		100.0	103.8	100.0	112.6
48"		90.8	90.8	98.5	98.5
53"		82.3	82.3	89.2	89.2
30"	138"	100.0	115.0	–	–
36"		100.0	110.8	100.0	115.0
42"		95.0	95.0	98.6	98.6
48"		83.1	83.1	86.2	86.2
50"		79.8	79.8	82.8	82.8
30"	144"	100.0	115.0	–	–
36"		100.0	101.2	–	–
42"		86.7	86.7	–	–
48"		75.9	75.9	–	–
				✱	

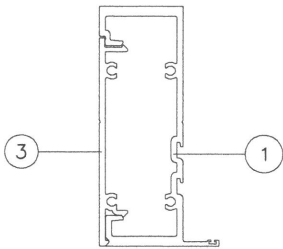
*
LOADS SHOWN ARE WITH
COLD ROLLED STEEL STIFFENER
Fu MIN. = 70 KSI



WIDTH (W) = W1
AT FRAME JAMB

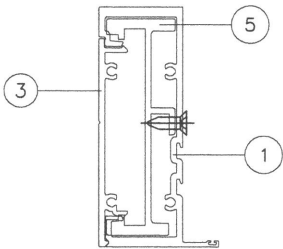
WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION

SEE SHEET 9 FOR UNANCHORED JAMB
REINFORCING LIMITS



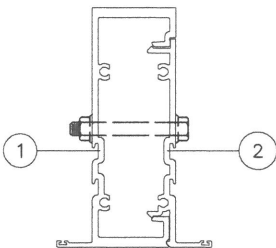
JAMB 'J1'

Ix IN^4	Sx IN^3
7.602	3.005



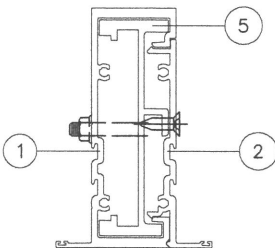
JAMB 'J2'

Ix IN^4	Sx IN^3
11.510	4.549



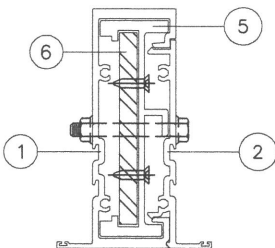
MULLION 'M1'

Ix IN^4	Sx IN^3
7.878	3.092



MULLION 'M2'

Ix IN^4	Sx IN^3
11.787	4.626



MULLION 'M3'

	Ix IN^4	Sx IN^3
ALUMINUM	11.787	4.626
STEEL	2.000	1.000
TOTAL		
Ix ALUM + Ix STL X 2.9	17.587	

Sealed: 8/5/2020



INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

MULLIONS

FL #18411

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

SERIES MG-6000 ALUM WINDOW WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	no	date	by	description

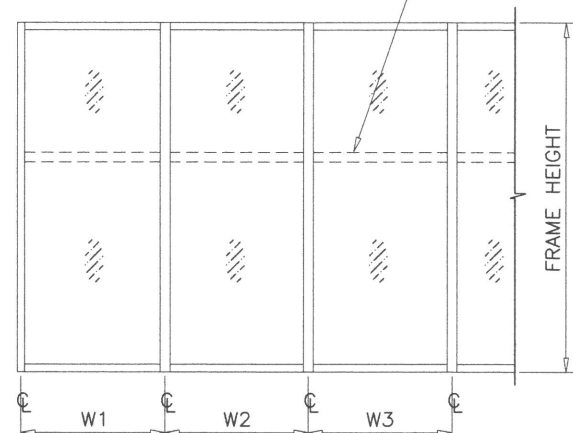
date: 08-27-15	scale: –	dr. by: TARIQ	chk. by:
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drawing no.	W15-71
sheet	4 of 12

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)													
NOMINAL DIMS.		ANCHORS TYPE ‘A’											
		1/4” MAX. SHIM				3/8” MAX. SHIM				1/2” MAX. SHIM			
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	A5	A2	A3	A4	A5	A2	A3	A4	A5
30”	90”	145.0	145.0	145.0	145.0	111.4	145.0	145.0	145.0	87.9	131.8	145.0	145.0
36”		122.0	145.0	145.0	145.0	92.8	139.2	145.0	145.0	73.2	109.9	145.0	145.0
42”		104.5	145.0	145.0	145.0	79.5	119.3	145.0	145.0	62.8	94.2	125.6	145.0
48”		91.5	137.2	145.0	145.0	69.6	104.4	139.2	145.0	54.9	82.4	109.9	137.3
54”		81.3	122.0	145.0	145.0	61.9	92.8	123.7	145.0	48.8	73.2	97.7	122.1
60”		73.2	109.8	145.0	145.0	55.7	83.5	111.4	139.2	43.9	65.9	87.9	109.9
66”		66.5	99.8	133.0	145.0	50.6	75.9	101.2	126.5	40.0	59.9	79.9	99.9
72”		61.0	91.5	122.0	145.0	46.4	69.6	92.8	116.0	36.6	54.9	73.2	91.6
30”	96”	137.2	145.0	145.0	145.0	104.4	145.0	145.0	145.0	82.4	123.6	145.0	145.0
36”		114.3	145.0	145.0	145.0	87.0	130.5	145.0	145.0	68.7	103.0	137.3	145.0
42”		98.0	145.0	145.0	145.0	74.6	111.9	145.0	145.0	58.9	88.3	117.7	145.0
48”		85.8	128.6	145.0	145.0	65.3	97.9	130.5	145.0	51.5	77.3	103.0	128.8
54”		76.2	114.3	145.0	145.0	58.0	87.0	116.0	145.0	45.8	68.7	91.6	114.4
60”		68.6	102.9	137.2	145.0	52.2	78.3	104.4	130.5	41.2	61.8	82.4	103.0
66”		62.4	93.5	124.7	145.0	47.5	71.2	94.9	118.6	37.5	56.2	74.9	93.6
72”		57.2	85.8	114.3	142.9	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8
30”	102”	129.1	145.0	145.0	145.0	98.3	145.0	145.0	145.0	77.6	116.3	145.0	145.0
36”		107.6	145.0	145.0	145.0	81.9	122.8	145.0	145.0	64.6	96.9	129.3	145.0
42”		92.2	138.4	145.0	145.0	70.2	105.3	140.4	145.0	55.4	83.1	110.8	138.5
48”		80.7	121.1	145.0	145.0	61.4	92.1	122.8	145.0	48.5	72.7	96.9	121.2
54”		71.7	107.6	143.5	145.0	54.6	81.9	109.2	136.5	43.1	64.6	86.2	107.7
60”		64.6	96.8	129.1	145.0	49.1	73.7	98.3	122.8	38.8	58.2	77.6	96.9
66”		58.7	88.0	117.4	145.0	44.7	67.0	89.3	111.7	35.3	52.9	70.5	88.1
30”	108”	122.0	145.0	145.0	145.0	92.8	139.2	145.0	145.0	73.2	109.9	145.0	145.0
36”		101.6	145.0	145.0	145.0	77.3	116.0	145.0	145.0	61.0	91.6	122.1	145.0
42”		87.1	130.7	145.0	145.0	66.3	99.4	132.6	145.0	52.3	78.5	104.6	130.8
48”		76.2	114.3	145.0	145.0	58.0	87.0	116.0	145.0	45.8	68.7	91.6	114.4
54”		67.8	101.6	135.5	145.0	51.6	77.3	103.1	128.9	40.7	61.0	81.4	101.7
60”		61.0	91.5	122.0	145.0	46.4	69.6	92.8	116.0	36.6	54.9	73.2	91.6
66”		55.4	83.2	110.9	138.6	42.2	63.3	84.4	105.5	33.3	49.9	66.6	83.2
30”	114”	115.5	145.0	145.0	145.0	87.9	131.9	145.0	145.0	69.4	104.1	138.8	145.0
36”		96.3	144.4	145.0	145.0	73.3	109.9	145.0	145.0	57.8	86.7	115.6	144.6
42”		82.5	123.8	145.0	145.0	62.8	94.2	125.6	145.0	49.6	74.3	99.1	123.9
48”		72.2	108.3	144.4	145.0	54.9	82.4	109.9	137.4	43.4	65.1	86.7	108.4
54”		64.2	96.3	128.4	145.0	48.8	73.3	97.7	122.1	38.5	57.8	77.1	96.4
60”		57.8	86.7	115.5	144.4	44.0	65.9	87.9	109.9	34.7	52.0	69.4	86.7
30”	120”	109.8	145.0	145.0	145.0	83.5	125.3	145.0	145.0	65.9	98.9	131.8	145.0
36”		91.5	137.2	145.0	145.0	69.6	104.4	139.2	145.0	54.9	82.4	109.9	137.3
42”		78.4	117.6	145.0	145.0	59.7	89.5	119.3	145.0	47.1	70.6	94.2	117.7
48”		68.6	102.9	137.2	145.0	52.2	78.3	104.4	130.5	41.2	61.8	82.4	103.0
54”		61.0	91.5	122.0	145.0	46.4	69.6	92.8	116.0	36.6	54.9	73.2	91.6
60”		54.9	82.3	109.8	137.2	41.8	62.6	83.5	104.4	33.0	49.4	65.9	82.4
30”	126”	104.5	115.0	115.0	115.0	79.5	115.0	115.0	115.0	62.8	94.2	115.0	115.0
36”		87.1	115.0	115.0	115.0	66.3	99.4	115.0	115.0	52.3	78.5	104.6	115.0
42”		74.7	112.0	115.0	115.0	56.8	85.2	113.6	115.0	44.8	67.3	89.7	112.1
48”		65.3	98.0	115.0	115.0	49.7	74.6	99.4	115.0	39.2	58.9	78.5	98.1
54”		58.1	87.1	115.0	115.0	44.2	66.3	88.4	110.5	34.9	52.3	69.8	87.2
30”	132”	99.8	115.0	115.0	115.0	75.9	113.9	115.0	115.0	59.9	89.9	115.0	115.0
36”		83.2	115.0	115.0	115.0	63.3	94.9	115.0	115.0	49.9	74.9	99.9	115.0
42”		71.3	106.9	115.0	115.0	54.2	81.4	108.5	115.0	42.8	64.2	85.6	107.0
48”		62.4	93.5	115.0	115.0	47.5	71.2	94.9	115.0	37.5	56.2	74.9	93.6
54”		55.4	83.2	110.9	115.0	42.2	63.3	84.4	105.5	33.3	49.9	66.6	83.2

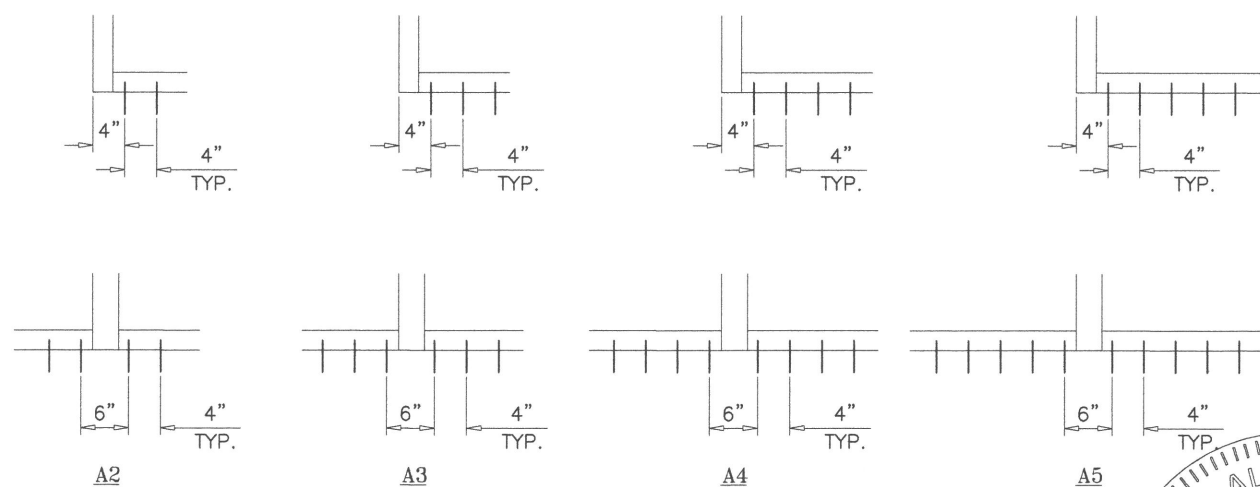
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)													
NOMINAL DIMS.		ANCHORS TYPE ‘A’											
		1/4” MAX. SHIM				3/8” MAX. SHIM				1/2” MAX. SHIM			
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	A5	A2	A3	A4	A5	A2	A3	A4	A5
30”	138”	95.4	115.0	115.0	115.0	72.6	108.9	115.0	115.0	57.3	86.0	114.6	115.0
36”		79.5	115.0	115.0	115.0	60.5	90.8	115.0	115.0	47.8	71.7	95.5	115.0
42”		68.2	102.3	115.0	115.0	51.9	77.8	103.8	115.0	40.9	61.4	81.9	102.4
48”		59.7	89.5	115.0	115.0	45.4	68.1	90.8	113.5	35.8	53.7	71.7	89.6
30”	144”	91.5	115.0	115.0	115.0	69.6	104.4	115.0	115.0	54.9	82.4	109.9	115.0
36”		76.2	114.3	115.0	115.0	58.0	87.0	115.0	115.0	45.8	68.7	91.6	114.4
42”		65.3	98.0	115.0	115.0	49.7	74.6	99.4	115.0	39.2	58.9	78.5	98.1
48”		57.2	85.8	114.3	115.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



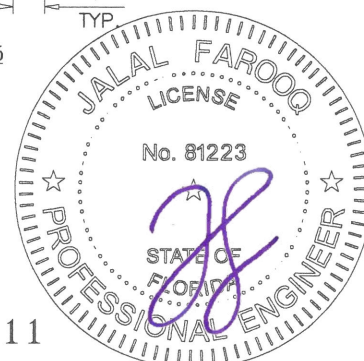
ANCHORS TYPES: SEE SHEET 8 FOR DESCRIPTION

- A2 = (2) ANCHORS TYPE ‘A’ AT EACH SIDE OF JAMB AND MULLION
A3 = (3) ANCHORS TYPE ‘A’ AT EACH SIDE OF JAMB AND MULLION
A4 = (4) ANCHORS TYPE ‘A’ AT EACH SIDE OF JAMB AND MULLION
A5 = (5) ANCHORS TYPE ‘A’ AT EACH SIDE OF JAMB AND MULLION

ANCHORS

Sealed: 8/5/2020

FL #18411



af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
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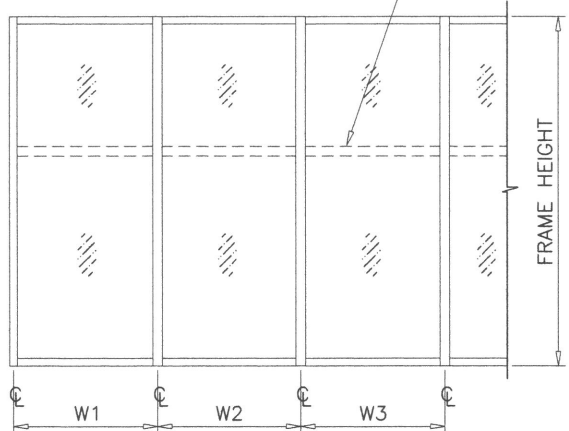
revisions:
no date by description
no date by description
no date by description
no date by description
no date by description

date: 08-27-15
scale: –
dr. by: TARIQ
chk. by:
drawing no.
W15-71
sheet 5 of 12

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)													
NOMINAL DIMS.		ANCHORS TYPE 'B'											
		1/4" MAX. SHIM				3/8" MAX. SHIM				1/2" MAX. SHIM			
WIDTH (W)	FRAME HEIGHT	B2	B3	B4	B5	B2	B3	B4	B5	B2	B3	B4	B5
30"	90"	145.0	145.0	145.0	145.0	111.4	145.0	145.0	145.0	87.9	131.8	145.0	145.0
36"		145.0	145.0	145.0	145.0	92.8	139.2	145.0	145.0	73.2	109.9	145.0	145.0
42"		134.7	145.0	145.0	145.0	79.5	119.3	145.0	145.0	62.8	94.2	125.6	145.0
48"		117.9	145.0	145.0	145.0	69.6	104.4	139.2	145.0	54.9	82.4	109.9	137.3
54"		104.8	145.0	145.0	145.0	61.9	92.8	123.7	145.0	48.8	73.2	97.7	122.1
60"		94.3	141.4	145.0	145.0	55.7	83.5	111.4	139.2	43.9	65.9	87.9	109.9
66"		85.7	128.6	145.0	145.0	50.6	75.9	101.2	126.5	40.0	59.9	79.9	99.9
72"		78.6	117.9	145.0	145.0	46.4	69.6	92.8	116.0	36.6	54.9	73.2	91.6
30"	96"	145.0	145.0	145.0	145.0	104.4	145.0	145.0	145.0	82.4	123.6	145.0	145.0
36"		145.0	145.0	145.0	145.0	87.0	130.5	145.0	145.0	68.7	103.0	137.3	145.0
42"		126.3	145.0	145.0	145.0	74.6	111.9	145.0	145.0	58.9	88.3	117.7	145.0
48"		110.5	145.0	145.0	145.0	65.3	97.9	130.5	145.0	51.5	77.3	103.0	128.8
54"		98.2	145.0	145.0	145.0	58.0	87.0	116.0	145.0	45.8	68.7	91.6	114.4
60"		88.4	132.6	145.0	145.0	52.2	78.3	104.4	130.5	41.2	61.8	82.4	103.0
66"		80.4	120.5	145.0	145.0	47.5	71.2	94.9	118.6	37.5	56.2	74.9	93.6
72"		73.7	110.5	145.0	145.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8
30"	102"	145.0	145.0	145.0	145.0	98.3	145.0	145.0	145.0	77.6	116.3	145.0	145.0
36"		138.7	145.0	145.0	145.0	81.9	122.8	145.0	145.0	64.6	96.9	129.3	145.0
42"		118.9	145.0	145.0	145.0	70.2	105.3	140.4	145.0	55.4	83.1	110.8	138.5
48"		104.0	145.0	145.0	145.0	61.4	92.1	122.8	145.0	48.5	72.7	96.9	121.2
54"		92.4	138.7	145.0	145.0	54.6	81.9	109.2	136.5	43.1	64.6	86.2	107.7
60"		83.2	124.8	145.0	145.0	49.1	73.7	98.3	122.8	38.8	58.2	77.6	96.9
66"		75.6	113.5	145.0	145.0	44.7	67.0	89.3	111.7	35.3	52.9	70.5	88.1
72"		73.7	110.5	145.0	145.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8
30"	108"	145.0	145.0	145.0	145.0	92.8	139.2	145.0	145.0	73.2	109.9	145.0	145.0
36"		131.0	145.0	145.0	145.0	77.3	116.0	145.0	145.0	61.0	91.6	122.1	145.0
42"		112.3	145.0	145.0	145.0	66.3	99.4	132.6	145.0	52.3	78.5	104.6	130.8
48"		98.2	145.0	145.0	145.0	58.0	87.0	116.0	145.0	45.8	68.7	91.6	114.4
54"		87.3	131.0	145.0	145.0	51.6	77.3	103.1	128.9	40.7	61.0	81.4	101.7
60"		78.6	117.9	145.0	145.0	46.4	69.6	92.8	116.0	36.6	54.9	73.2	91.6
66"		71.4	107.2	142.9	145.0	42.2	63.3	84.4	105.5	33.3	49.9	66.6	83.2
72"		73.7	110.5	145.0	145.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8
30"	114"	145.0	145.0	145.0	145.0	87.9	131.9	145.0	145.0	69.4	104.1	138.8	145.0
36"		124.1	145.0	145.0	145.0	73.3	109.9	145.0	145.0	57.8	86.7	115.6	144.6
42"		106.3	145.0	145.0	145.0	62.8	94.2	125.6	145.0	49.6	74.3	99.1	123.9
48"		93.1	139.6	145.0	145.0	54.9	82.4	109.9	137.4	43.4	65.1	86.7	108.4
54"		82.7	124.1	145.0	145.0	48.8	73.3	97.7	122.1	38.5	57.8	77.1	96.4
60"		74.4	111.7	145.0	145.0	44.0	65.9	87.9	109.9	34.7	52.0	69.4	86.7
66"		73.7	110.5	145.0	145.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8
72"		73.7	110.5	145.0	145.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8
30"	120"	141.4	145.0	145.0	145.0	83.5	125.3	145.0	145.0	65.9	98.9	131.8	145.0
36"		117.9	145.0	145.0	145.0	69.6	104.4	139.2	145.0	54.9	82.4	109.9	137.3
42"		101.0	145.0	145.0	145.0	59.7	89.5	119.3	145.0	47.1	70.6	94.2	117.7
48"		88.4	132.6	145.0	145.0	52.2	78.3	104.4	130.5	41.2	61.8	82.4	103.0
54"		78.6	117.9	145.0	145.0	46.4	69.6	92.8	116.0	36.6	54.9	73.2	91.6
60"		70.7	106.1	141.4	145.0	41.8	62.6	83.5	104.4	33.0	49.4	65.9	82.4
66"		73.7	110.5	145.0	145.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8
72"		73.7	110.5	145.0	145.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8
30"	126"	115.0	115.0	115.0	115.0	79.5	115.0	115.0	115.0	62.8	94.2	115.0	115.0
36"		112.3	115.0	115.0	115.0	66.3	99.4	115.0	115.0	52.3	78.5	104.6	115.0
42"		96.2	115.0	115.0	115.0	56.8	85.2	113.6	115.0	44.8	67.3	89.7	112.1
48"		84.2	115.0	115.0	115.0	49.7	74.6	99.4	115.0	39.2	58.9	78.5	98.1
54"		74.8	112.3	115.0	115.0	44.2	66.3	88.4	110.5	34.9	52.3	69.8	87.2
60"		73.7	110.5	145.0	145.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8
66"		73.7	110.5	145.0	145.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8
72"		73.7	110.5	145.0	145.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8
30"	132"	115.0	115.0	115.0	115.0	75.9	113.9	115.0	115.0	59.9	89.9	115.0	115.0
36"		107.2	115.0	115.0	115.0	63.3	94.9	115.0	115.0	49.9	74.9	99.9	115.0
42"		91.8	115.0	115.0	115.0	54.2	81.4	108.5	115.0	42.8	64.2	85.6	107.0
48"		80.4	115.0	115.0	115.0	47.5	71.2	94.9	115.0	37.5	56.2	74.9	93.6
54"		71.4	107.2	142.9	115.0	42.2	63.3	84.4	105.5	33.3	49.9	66.6	83.2
60"		73.7	110.5	145.0	145.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8
66"		73.7	110.5	145.0	145.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8
72"		73.7	110.5	145.0	145.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8

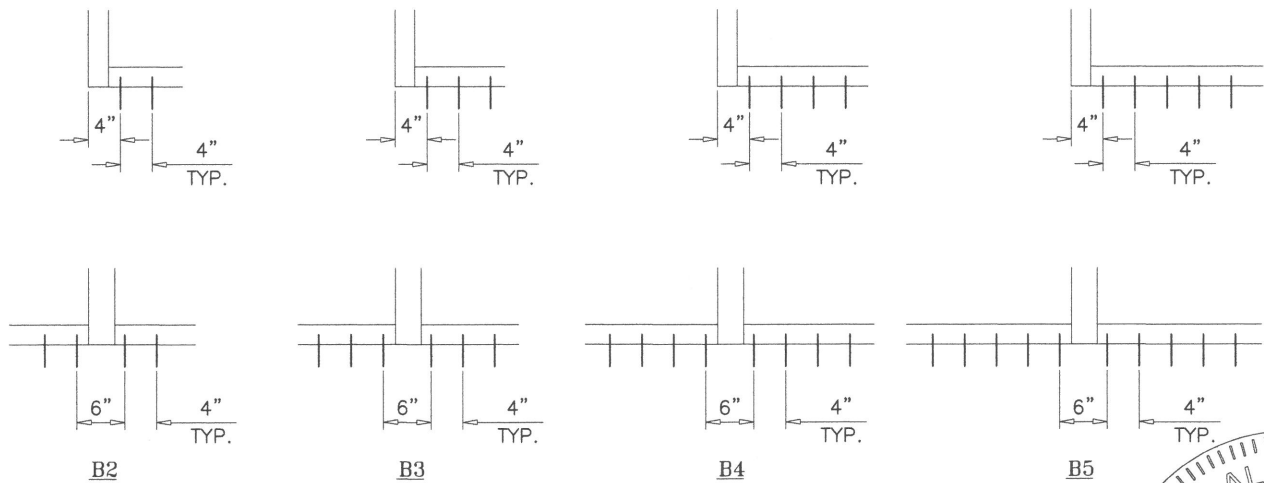
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)													
NOMINAL DIMS.		ANCHORS TYPE 'B'											
		1/4" MAX. SHIM				3/8" MAX. SHIM				1/2" MAX. SHIM			
WIDTH (W)	FRAME HEIGHT	B2	B3	B4	B5	B2	B3	B4	B5	B2	B3	B4	B5
30"	138"	115.0	115.0	115.0	115.0	72.6	108.9	115.0	115.0	57.3	86.0	114.6	115.0
36"		102.5	115.0	115.0	115.0	60.5	90.8	115.0	115.0	47.8	71.7	95.5	115.0
42"		87.9	115.0	115.0	115.0	51.9	77.8	103.8	115.0	40.9	61.4	81.9	102.4
48"		76.9	115.0	115.0	115.0	45.4	68.1	90.8	113.5	35.8	53.7	71.7	89.6
30"	144"	115.0	115.0	115.0	115.0	69.6	104.4	115.0	115.0	54.9	82.4	109.9	115.0
36"		98.2	115.0	115.0	115.0	58.0	87.0	115.0	115.0	45.8	68.7	91.6	114.4
42"		84.2	115.0	115.0	115.0	49.7	74.6	99.4	115.0	39.2	58.9	78.5	98.1
48"		73.7	110.5	115.0	115.0	43.5	65.3	87.0	108.8	34.3	51.5	68.7	85.8



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



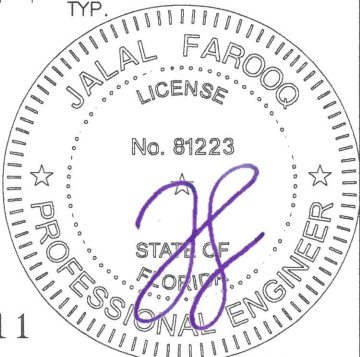
ANCHORS TYPES: SEE SHEET 8 FOR DESCRIPTION

- B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
B5 = (5) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION

Sealed: 8/5/2020

ANCHORS

FL #18411



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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-8978
COMP-ANL\W15-71MG

SERIES MG-6000 ALUM WINDOW WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	no	date	by	description

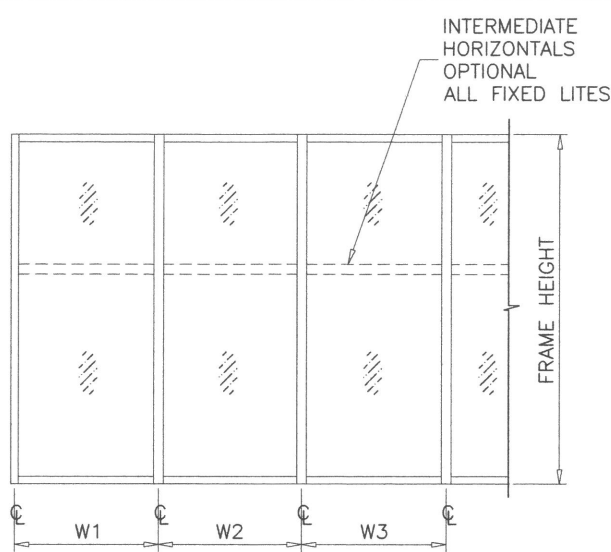
date: 08-27-15
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dr. by: TARIQ
chk. by:

drawing no.
W15-71
sheet 6 of 12

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)				
NOMINAL DIMS.		ANCHORS TYPE 'C'		
1/4" MAX. SHIM				
WIDTH (W)	FRAME HEIGHT	C2	C3	C4
30"	90"	145.0	145.0	145.0
36"		145.0	145.0	145.0
42"		136.5	145.0	145.0
48"		119.5	145.0	145.0
54"		106.2	145.0	145.0
60"		95.6	143.4	145.0
66"		86.9	130.3	145.0
72"		79.6	119.5	145.0
30"	96"	145.0	145.0	145.0
36"		145.0	145.0	145.0
42"		128.0	145.0	145.0
48"		112.0	145.0	145.0
54"		99.6	145.0	145.0
60"		89.6	134.4	145.0
66"		81.5	122.2	145.0
72"		74.7	112.0	145.0
30"	102"	145.0	145.0	145.0
36"		140.5	145.0	145.0
42"		120.5	145.0	145.0
48"		105.4	145.0	145.0
54"		93.7	140.5	145.0
60"		84.3	126.5	145.0
66"		76.7	115.0	145.0
30"	108"	145.0	145.0	145.0
36"		132.7	145.0	145.0
42"		113.8	145.0	145.0
48"		99.6	145.0	145.0
54"		88.5	132.7	145.0
60"		79.6	119.5	145.0
66"		72.4	108.6	144.8
30"	114"	145.0	145.0	145.0
36"		125.8	145.0	145.0
42"		107.8	145.0	145.0
48"		94.3	141.5	145.0
54"		83.8	125.8	145.0
60"		75.5	113.2	145.0
30"	120"	143.4	145.0	145.0
36"		119.5	145.0	145.0
42"		102.4	145.0	145.0
48"		89.6	134.4	145.0
54"		79.6	119.5	145.0
60"		71.7	107.5	143.4
30"	126"	115.0	115.0	115.0
36"		113.8	115.0	115.0
42"		97.5	115.0	115.0
48"		85.3	115.0	115.0
54"		75.9	113.8	115.0
30"	132"	115.0	115.0	115.0
36"		108.6	115.0	115.0
42"		93.1	115.0	115.0
48"		81.5	115.0	115.0
54"		72.4	108.6	115.0

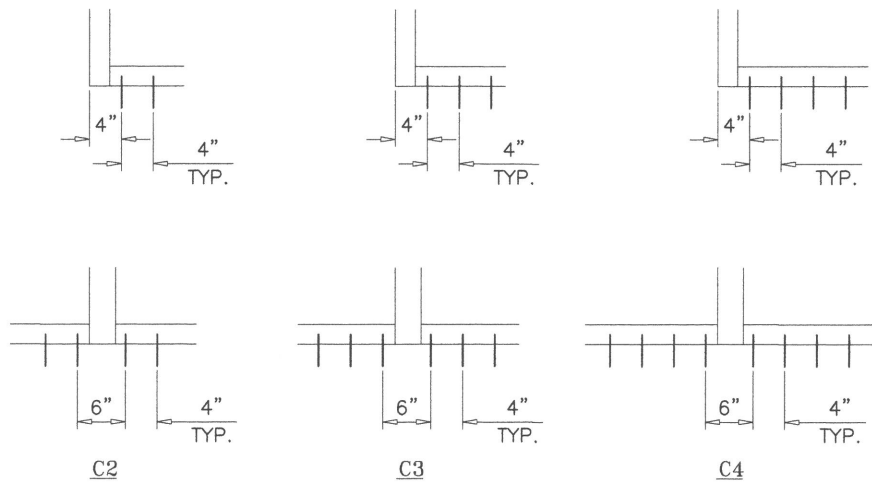
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)				
NOMINAL DIMS.		ANCHORS TYPE 'C'		
1/4" MAX. SHIM				
WIDTH (W)	FRAME HEIGHT	C2	C3	C4
30"	138"	115.0	115.0	115.0
36"		103.9	115.0	115.0
42"		89.0	115.0	115.0
48"		77.9	115.0	115.0
30"	144"	115.0	115.0	115.0
36"		99.6	115.0	115.0
42"		85.3	115.0	115.0
48"		74.7	112.0	115.0



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



ANCHORS TYPES: SEE SHEET 8 FOR DESCRIPTION

- C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION
C3 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION
C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

ANCHORS

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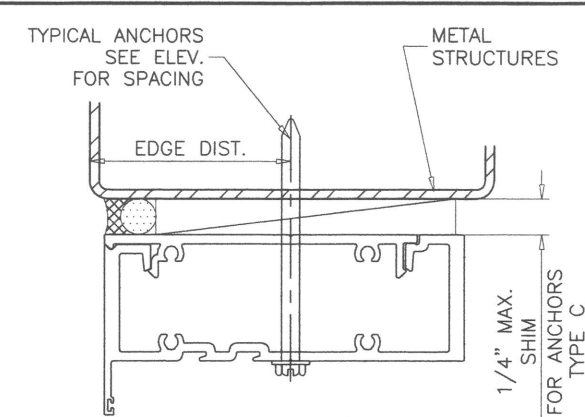
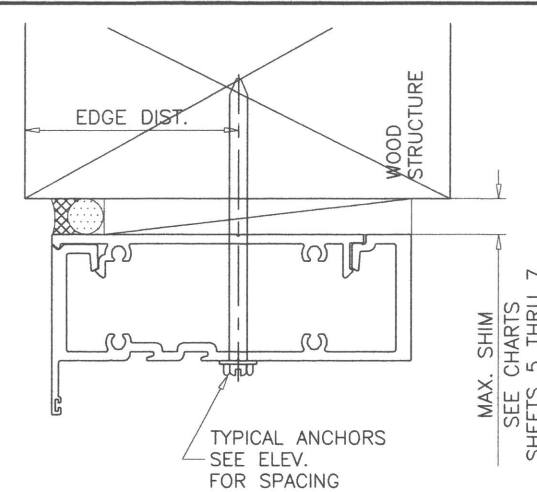
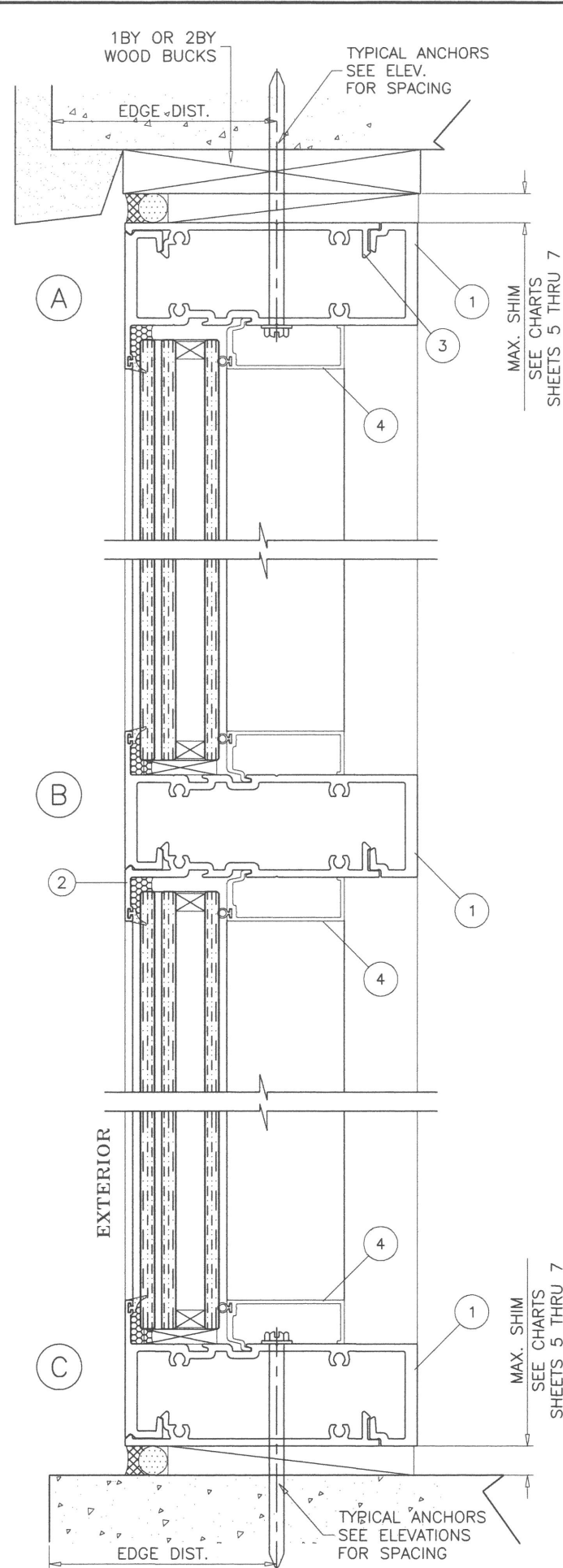
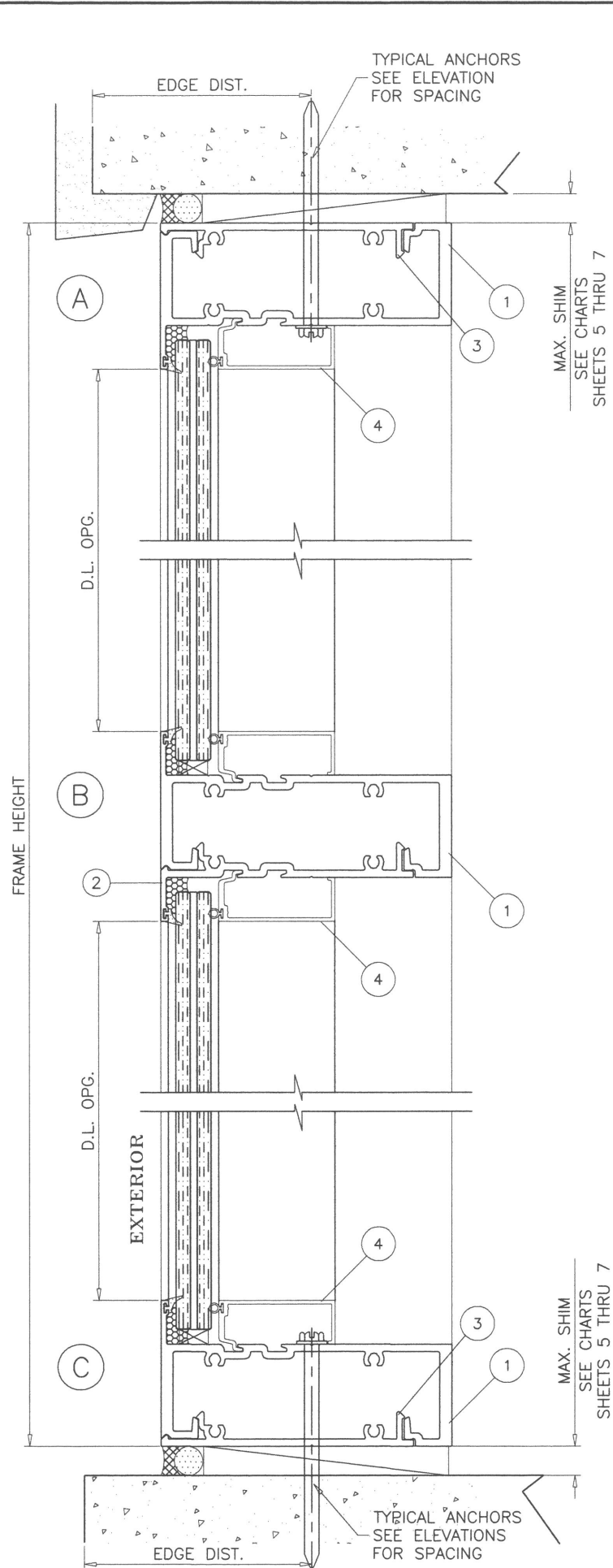


FL #18411

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AL-FAROOQ CORPORATION
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MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W15-71MG

SERIES MG-6000 ALUM WINDOW WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:
no date by description
date: 08-27-15
scale: -
dr. by: TARIQ
chk. by:
drawing no.
W15-71
sheet 7 of 12



WOOD BUCKS AND METAL STRUCTURE NOT BY MR-GLASS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 5/16" DIA ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
 INTO WOOD STRUCTURES
 2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
 THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1-1/4" MIN.

TYPE 'B' - 5/16" DIA ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
 DIRECTLY INTO CONCRETE
 1-3/4" MIN. EMBED INTO CONC. (HEAD/SILL/JAMBS)
 1-3/4" MIN. EMBED INTO GROUT FILLED-BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.

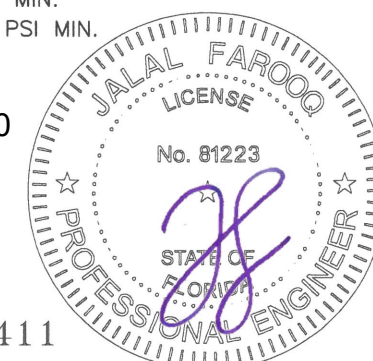
TYPE 'C' - #14 SMS OR SELF DRILLING SCREWS ST/ST (GRADE 2 CRS)
 INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 5/8" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

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SERIES MG-6000 ALUM WINDOW WALL SYSTEM (L.M.I.)

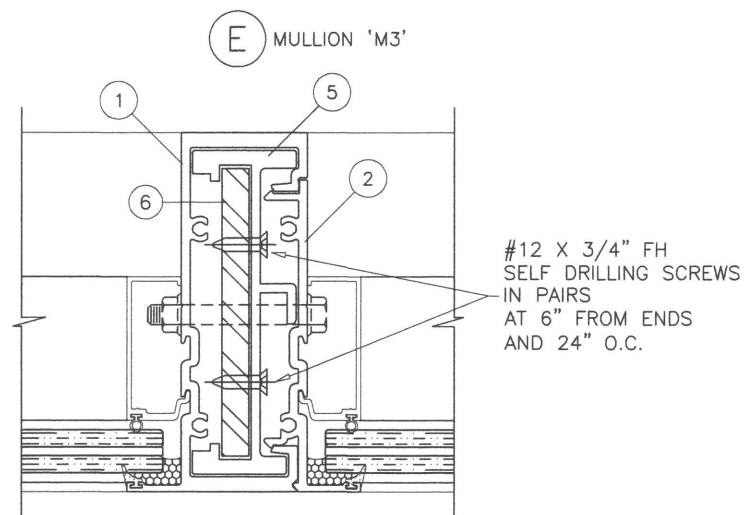
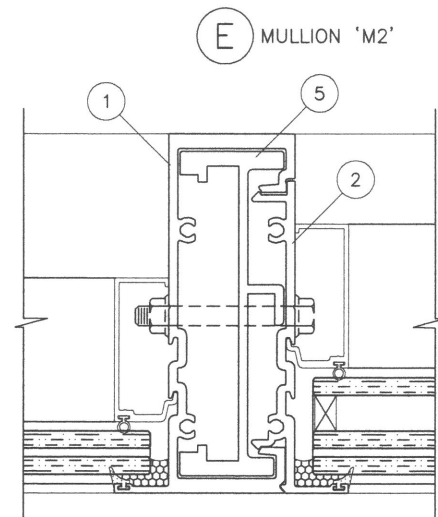
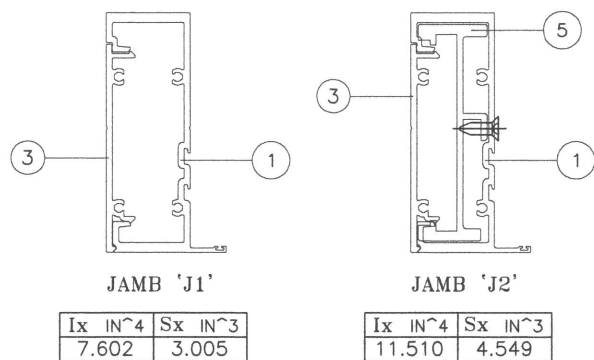
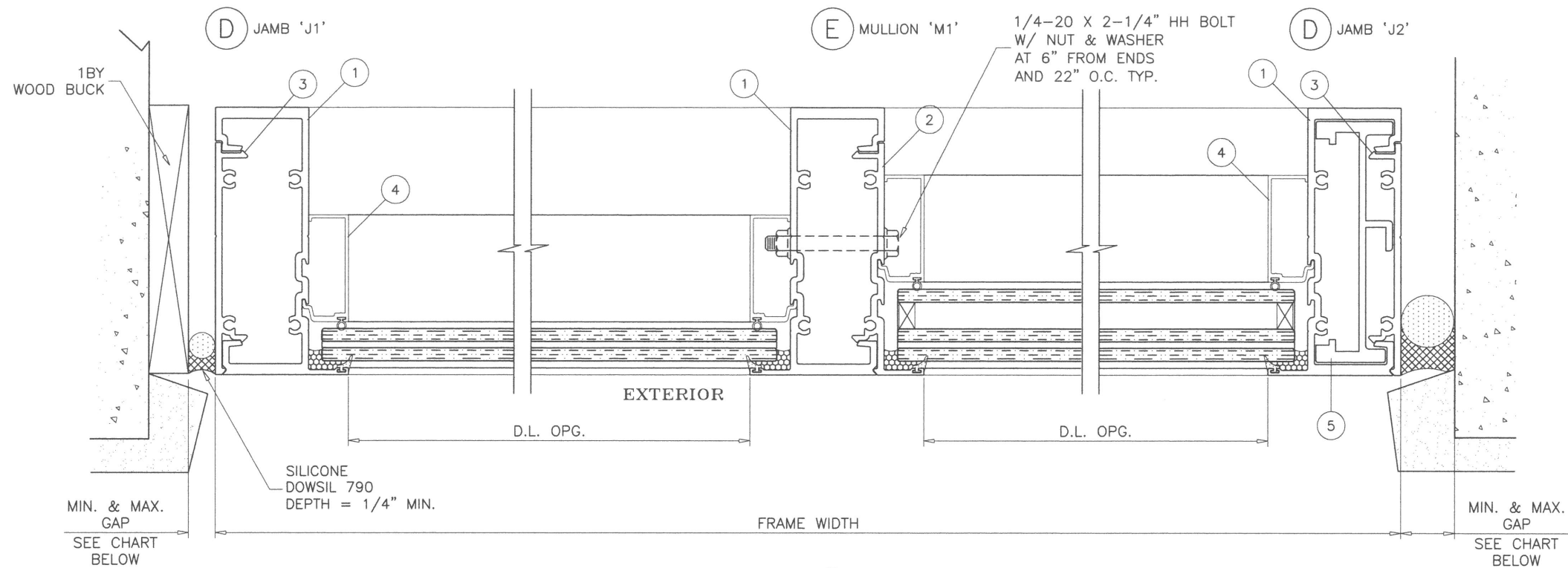
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
 8051 N.W. 79th Place
 Medley, FL 33166
 Tel. (305) 764-3963 Fax. (305) 470-8285

COMP-ANL-W15-71MG

revisions:	
no	date by description

date: 08-27-15	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:	
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drawing no.	sheet 8 of 12
W15-71	



SEE SHEETS 3 & 4 FOR MULLION CAPACITY

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COMP-ANL W15-71MG

SERIES MG-6000 ALUM WINDOW WALL SYSTEM (L.M.I.)

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8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:

no	date	by	description

date: 08-27-15
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W15-71
sheet 9 of 12

MAX. FRAME HEIGHT	MAX. GAPS FOR UNANCHORED JAMBS			
	JAMB 'J1'		JAMB 'J2'	
	MIN.	MAX.	MIN.	MAX.
96"	3/8"	1"	-	-
102"	3/8"	1"	-	-
108"	3/8"	1"	-	-
120"	3/8"	1"	-	-
132"	-	-	3/8"	1"
144"	-	-	3/8"	1"

NOTE:
MAX. MOVEMENT CONSIDERED=100% STRETCH.
PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOW WALL MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

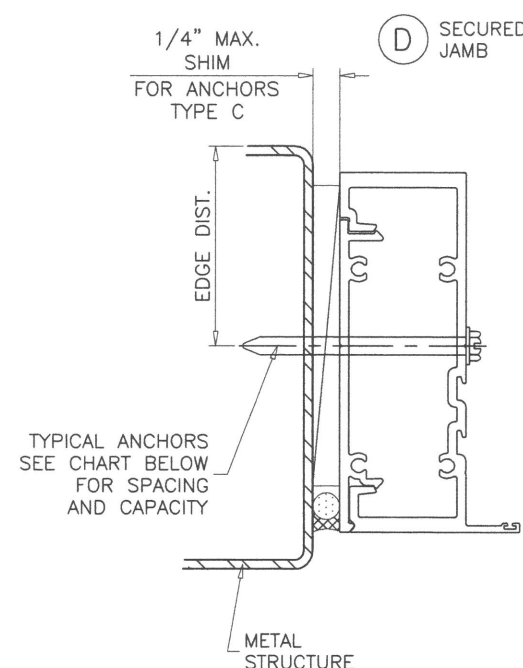
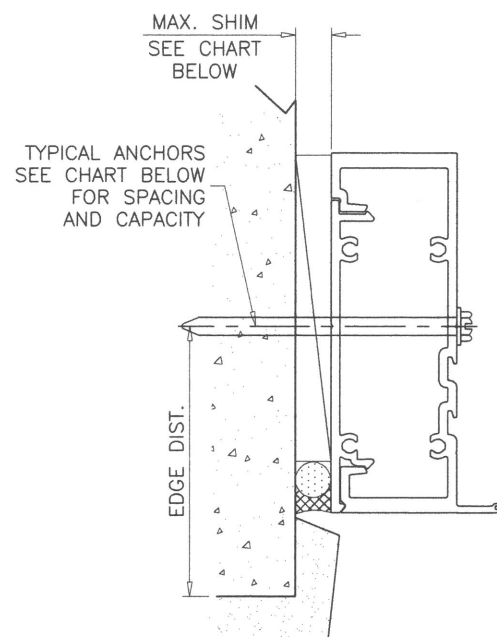
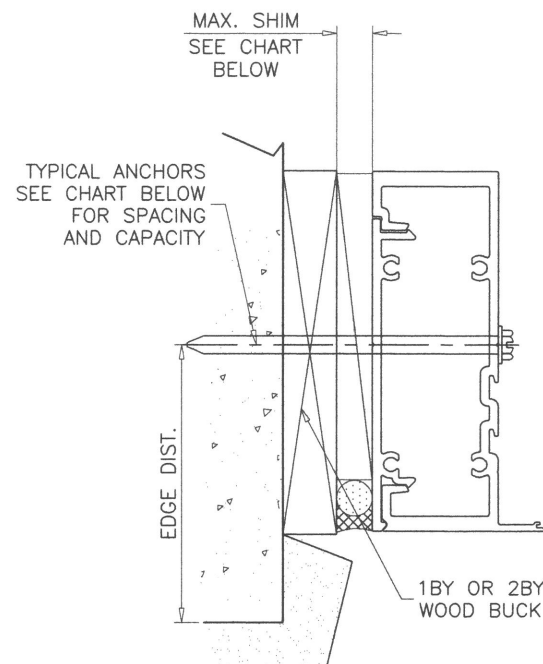
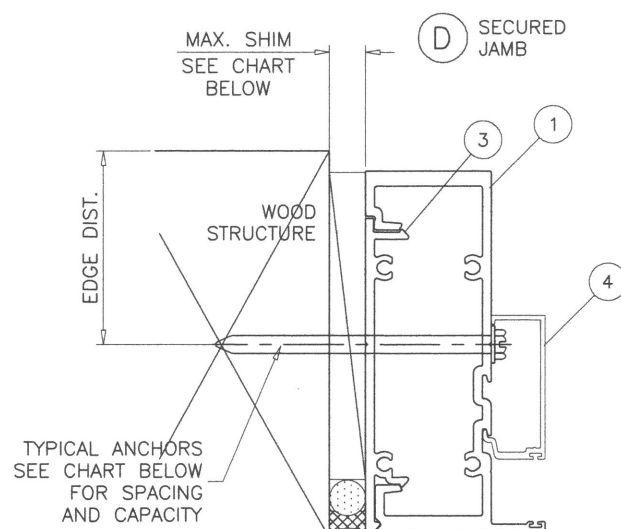
GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.

REFER TO SHEETS 4 THRU 7 FOR SELECTION OF MULLION/JAMB WITH REINFORCED & UNREINFORCED FRAMES.

revisions:		by	description
no	date		

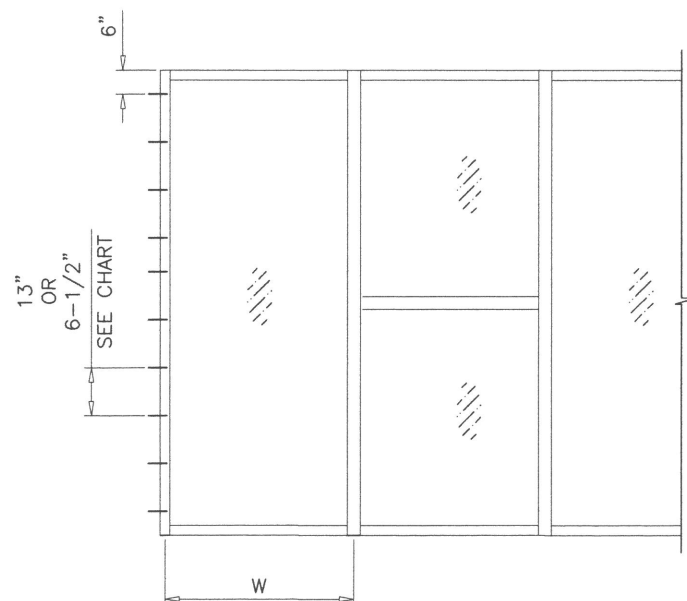
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drawing no.	W15-71
sheet	10 of 12

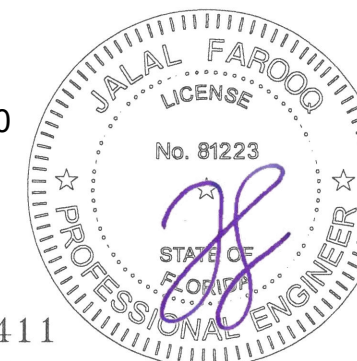


JAMB ANCHORS DESIGN LOAD CAPACITY - PSF					
WIDTH (W)	13" MAX. SPACING			6-1/2" SPACING	
	1/4" MAX. SHIM	3/8" MAX. SHIM	1/2" MAX. SHIM	3/8" MAX. SHIM	1/2" MAX. SHIM
	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
30"	145.0	145.0	145.0	145.0	145.0
36"	145.0	145.0	126.8	145.0	145.0
42"	145.0	137.7	108.7	145.0	145.0
48"	145.0	120.5	95.1	145.0	145.0
54"	140.7	107.1	84.5	145.0	145.0
60"	126.6	96.4	76.1	145.0	145.0
66"	115.1	87.6	69.1	145.0	138.3
72"	105.5	80.3	63.4	145.0	126.8

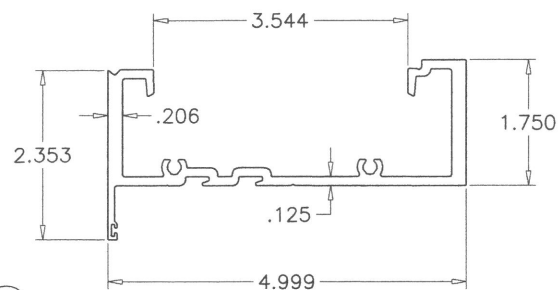
SECURED JAMBS
(REINFORCING NOT REQUIRED)



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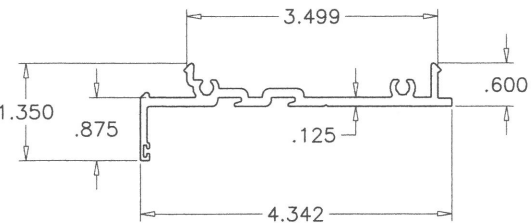


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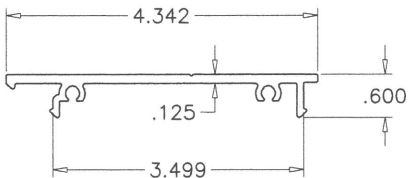
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HEAD/SILL/JAMB/INTERMEDIATE & MULLION



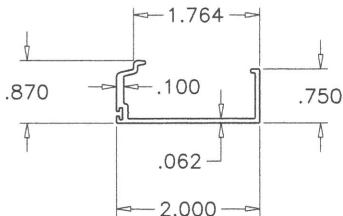
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FIN SNAP



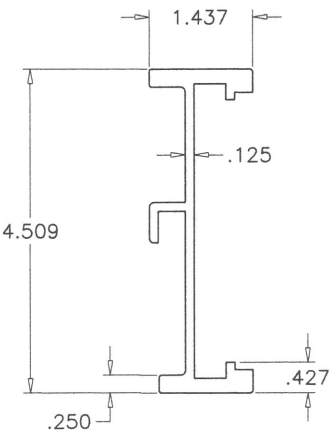
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FLAT SNAP



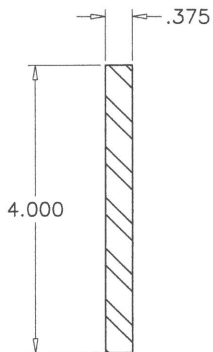
4

GLASS STOP



5

MULLION STIFFENER



HR 36 KSI
OR
CR 70 KSI
SEE MULLION CHARTS

6

MULLION STIFFENER

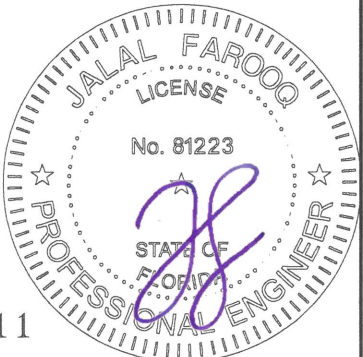
ITEM #	PART #	REQ'D	DESCRIPTION	MATERIAL	MANF. / SUPPLIER / REMARKS
1	MRC-1	AS REQ'D	HEAD, INTERM., SILL, JAMB AND MULLION	6063-T6	-
2	MRC-2	AS REQ'D	FIN SNAP	6063-T6	-
3	MRC-3	AS REQ'D	FLAT SNAP	6063-T6	-
4	MRC-5	AS REQ'D	GLASS STOP	6063-T6	-
5	MRC-?	AS REQ'D	MULLION STIFFENER	6063-T6	-
6	-	-	MULLION STIFFENER	STEEL	-
7	E238	AS REQ'D	GASKET (AT INTERIOR), BULB TPE, BASE POLYPROPYLENE	-	ULTRAFAB
8	-	AS REQ'D	SPACER / OUTER GASKET (BULB SANTOPRENE, BASE POLYPROPYLENE)	-	CENTRAL PLASTICS INC.
9	-	2/ LITE	SETTING BLOCKS (3/8" X 1/4" X 4" LG.)	EPDM	TREMCO, DUROMETER 80±5 SHORE A
10	-	2/ LITE	SETTING BLOCKS (1 1/4" X 1/4" X 4" LG.)	EPDM	TREMCO, DUROMETER 80±5 SHORE A
11	#12 X 1 1/2"	4/CORNER	FRAME ASSEMBLY SCREWS	ST. STEEL	HEX. HEAD MACHINE SCREW

SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.

Sealed: 8/5/2020

FL #18411



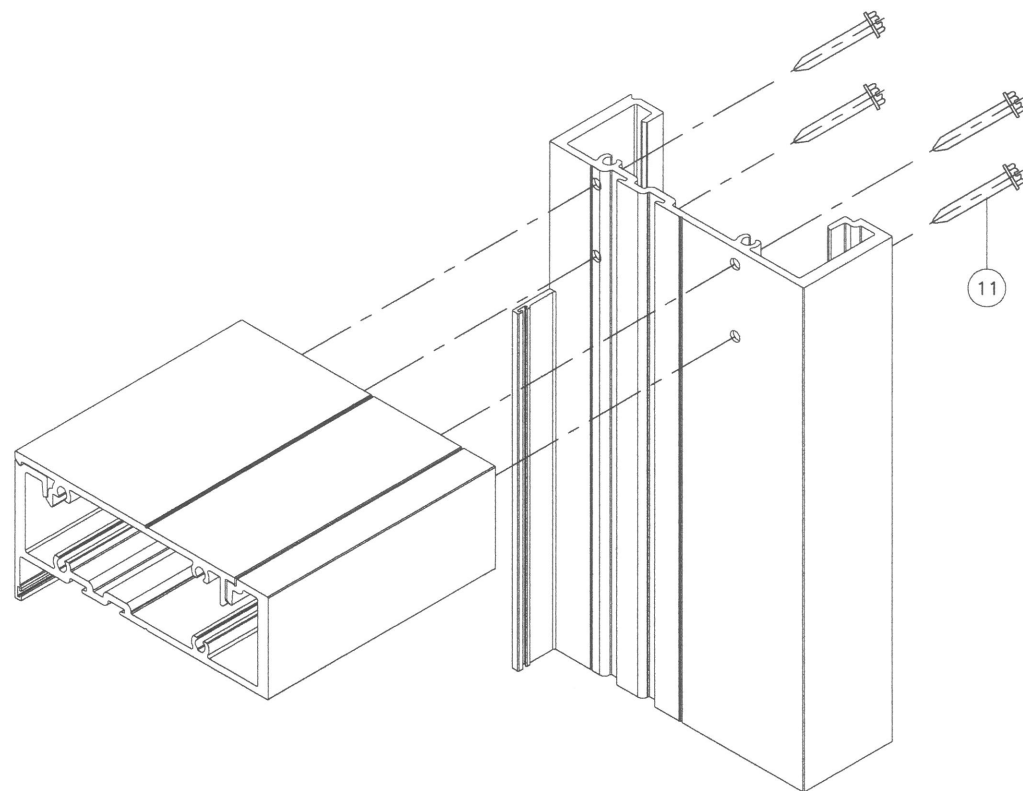
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-8978
COMP-ANL\W15-71 MG

SERIES MG-6000 ALUM WINDOW WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

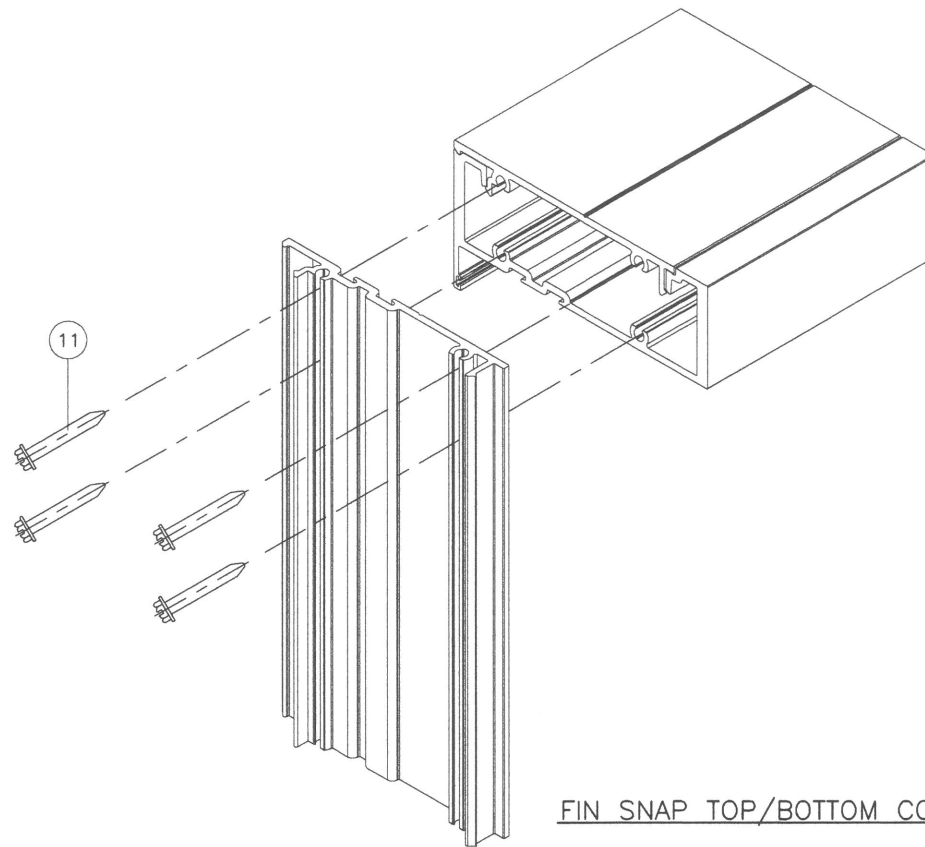
revisions:	no	date	by	description

date: 08-27-15	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
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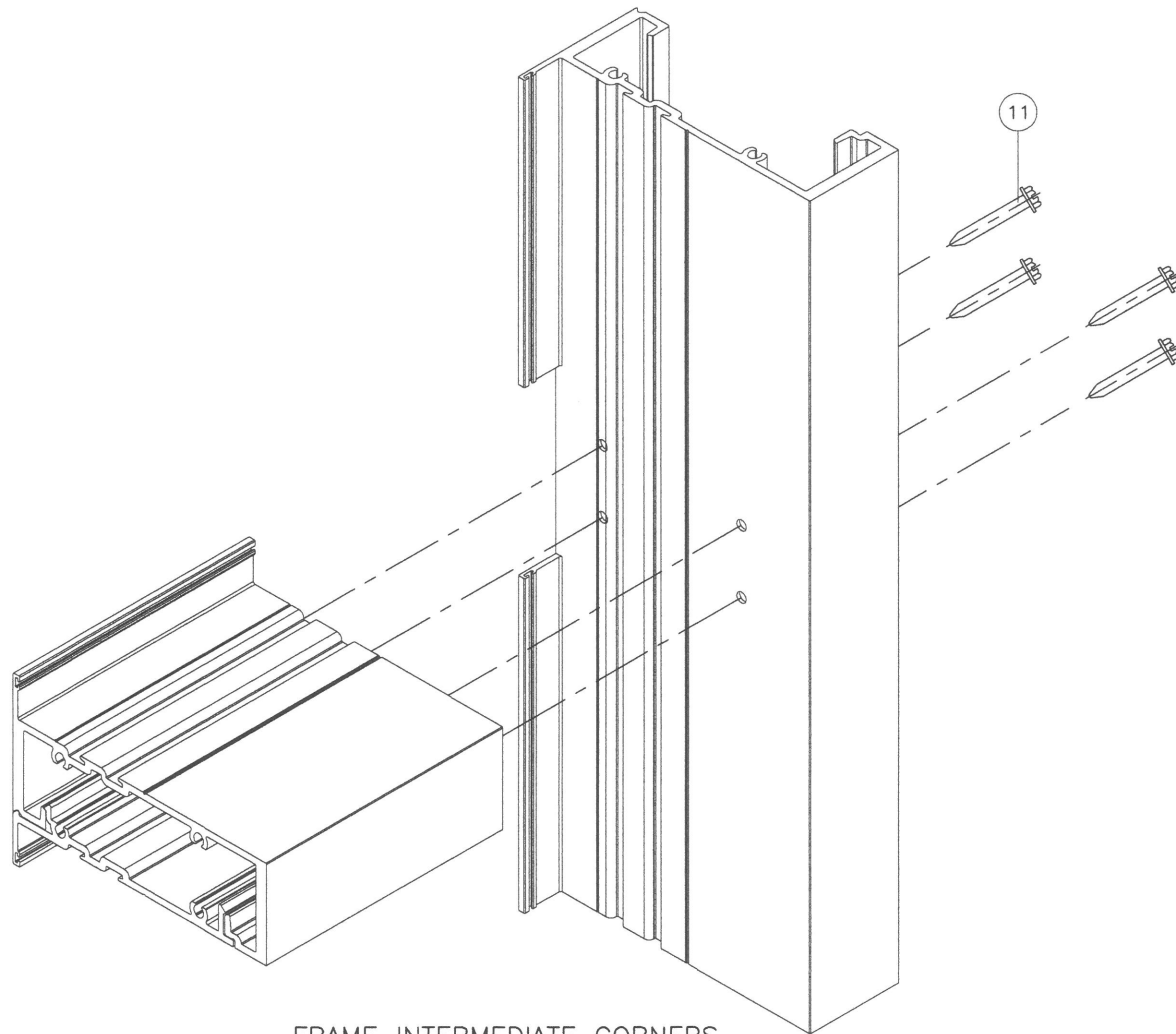
drawing no.
W15-71
sheet 11 of 12



FRAME TOP/BOTTOM CORNERS

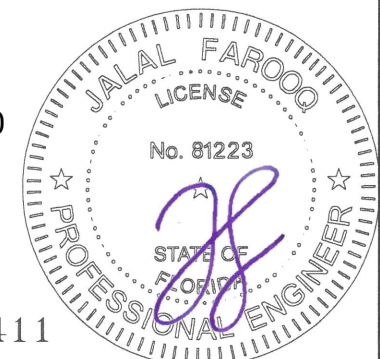


FIN SNAP TOP/BOTTOM CORNERS



FRAME INTERMEDIATE CORNERS

Sealed: 8/5/2020



FL #18411

af c
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revisions:	
no	date by description

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drawing no.	W15-71
sheet 12 of 12	