

MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC

SERIES MG-7000

ALUMINUM CURTAINWALL SYSTEM

CURTAIN WALL SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQD.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2023 (8TH EDITION)/2026 (9TH EDITION) FLORIDA
BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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.

ALL SHIMS TO BE LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL
OR OTHER RIGID MATERIALS).

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE 2023/2026 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)'.

FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET
CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES.
COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

CURTAIN WALL WITH GLASS TYPES 'A2', 'A3', 'B' & 'B1'
COMPLY WITH REQUIREMENTS OF ANSI Z97.1.

LAMINATED GLASS
INSUL. LAM. GLASS
LARGE MISSILE IMPACT

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.

INSTRUCTIONS:

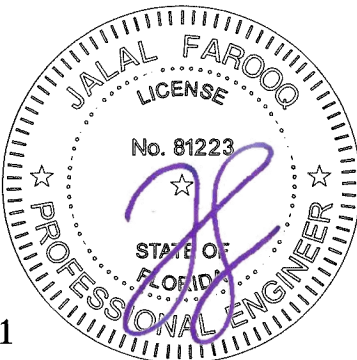
USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON
WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING
APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 4 THRU 4.3 FOR DESIGN LOAD
CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT
USING CHARTS ON SHEETS 6 THRU 7.1 FOR SINGLE SPANS, AND
CHARTS ON SHEETS 8 THRU 10.1 FOR EQUAL MULTIPLE SPANS.
- STEP 4** USING HEAD/SILL ANCHOR DETAILS ON SHEETS 5 & 5.1
SELECT ANCHOR OPTION.
- STEP 5** CHECK INTERMEDIATE ANCHOR CAPACITY FOR MULTIPLE SPANS
USING CHARTS OR DETAILS ON SHEETS 18 THRU 27.
- STEP 6** THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4
AND 5 SHALL APPLY TO ENTIRE SYSTEM.

INDEX OF DRAWING	
SHEET NO.	DESCRIPTION
1	GENERAL NOTES
2 & 3	TYPICAL CURTAIN WALL ELEVATION
4 THRU 4.2	GLAZING DETAILS, GLASS CAPACITY CHARTS (LEVEL D IMPACT)
4.3	GLAZING DETAILS, GLASS CAPACITY CHARTS (LEVEL E IMPACT)
5 THRU 5.4	HEAD/SILL ANCHOR DETAILS AND CAPACITY CHARTS
6 THRU 7.2	SINGLE SPAN JAMB & MULLION CAPACITY CHARTS
8 THRU 10.1	TWIN SPAN JAMB & MULLION CAPACITY CHARTS
11	SINGLE SPAN CORNER MULLION CAPACITY CHARTS
12	TWIN SPAN CORNER MULLION CAPACITY CHARTS
13 & 14	VERTICAL AND HORIZONTAL SECTION DETAILS
15	DOOR SUBFRAME DETAILS
16 & 17	CORNER MULLION DETAILS
18 THRU 20.1	WIND LOAD ANCHOR DETAILS AND CAPACITY CHARTS
21 THRU 23	WIND LOAD + DEAD LOAD ANCHOR DETAILS AND CAPACITY
24 THRU 27	WIND LOAD + DEAD LOAD CORNER MULLION ANCHOR DETAILS
28 & 28.1	EXTRUSION DETAILS
29	BILL OF MATERIALS
30	CORNER CONSTRUCTION DETAILS

Sealed: 10/1/2026

FL #27101



a f 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)

COMP-ANL\18-56F-MG

SERIES MG-7000 ALUM CURTAIN 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	07.22.20		UPDATED TO 2020 FBC
	B	07.21.23		UPDATED TO 2023 FBC
	C	09.25.26		UPDATED TO 2026 FBC

date: 05-08-18

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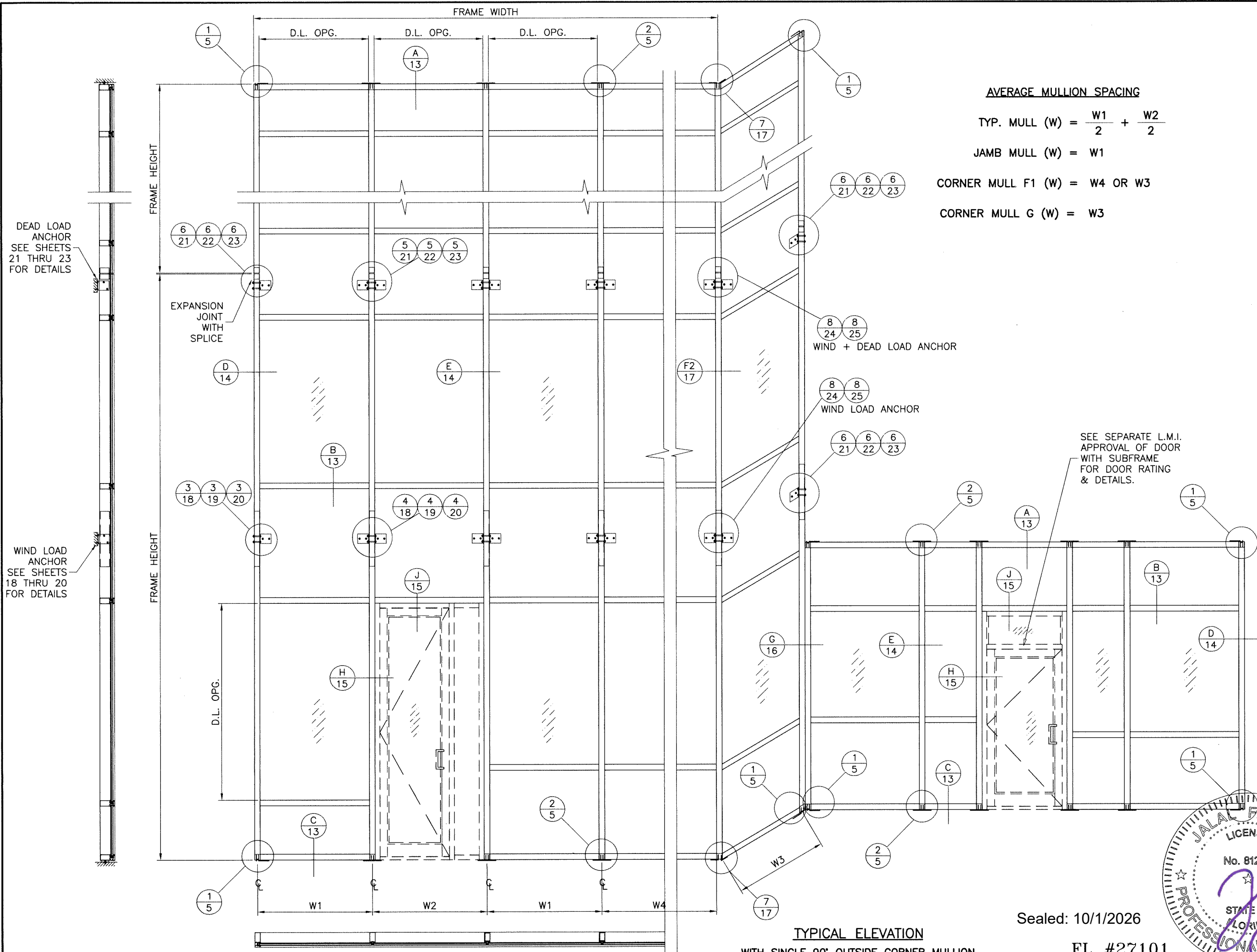
dr. by: TARIQ

chk. by:

drawing no.

18-56F

sheet 1 of 30



AVERAGE MULLION SPACING

TYP. MULL (W) = $\frac{W1}{2} + \frac{W2}{2}$

JAMB MULL (W) = W1

CORNER MULL F1 (W) = W4 OR W3

CORNER MULL G (W) = W3

TYPICAL ELEVATION
WITH SINGLE 90° OUTSIDE CORNER MULLION

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COMP-ANL\18-56F-MG

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

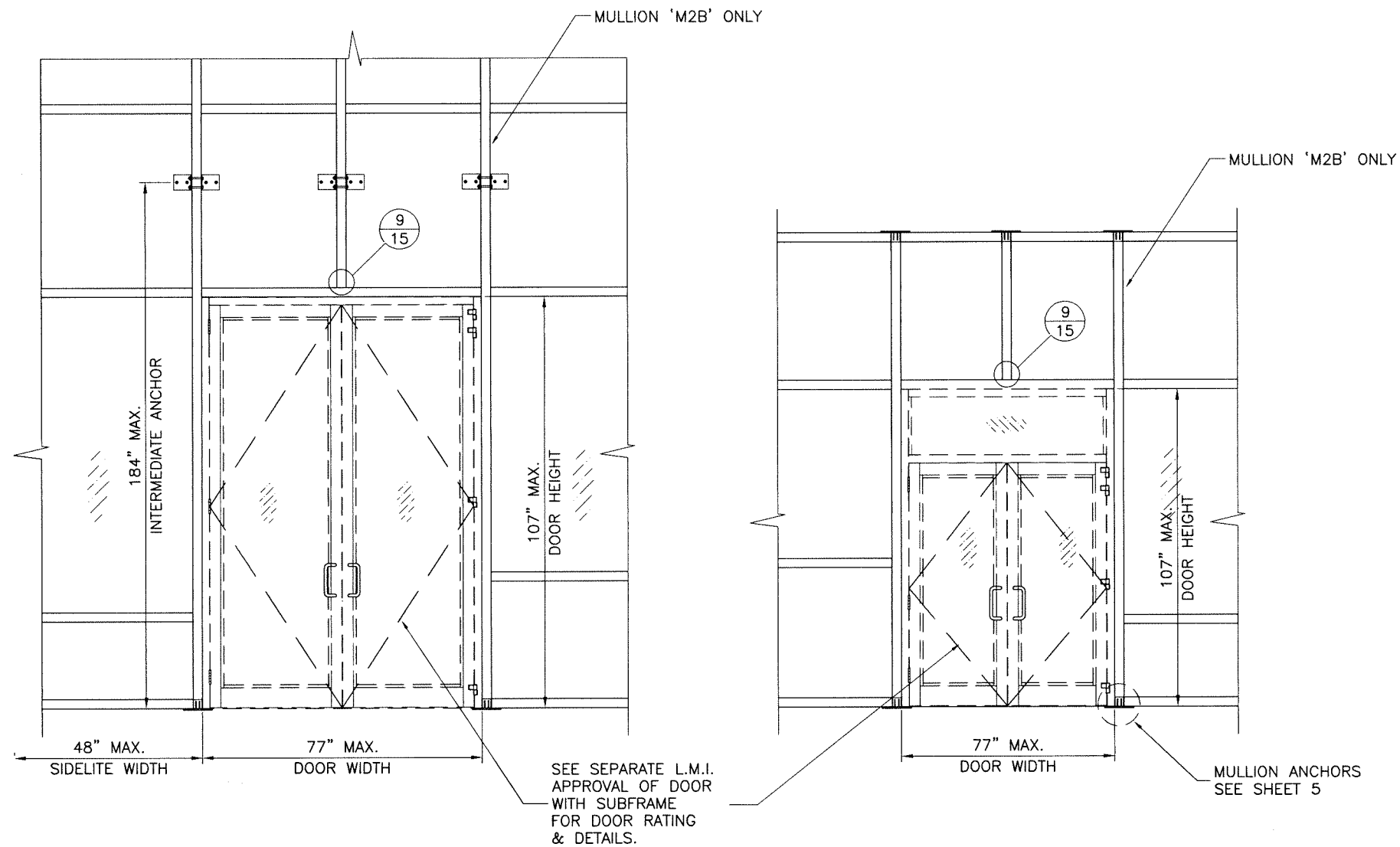
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:

no	date	by	description

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chk. by:

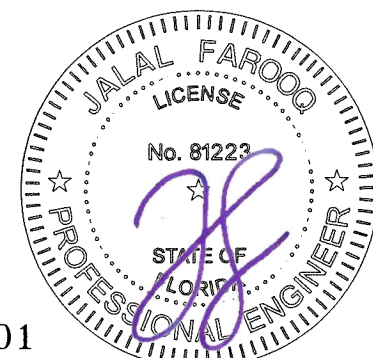
drawing no.
18-56F
sheet 3 of 30



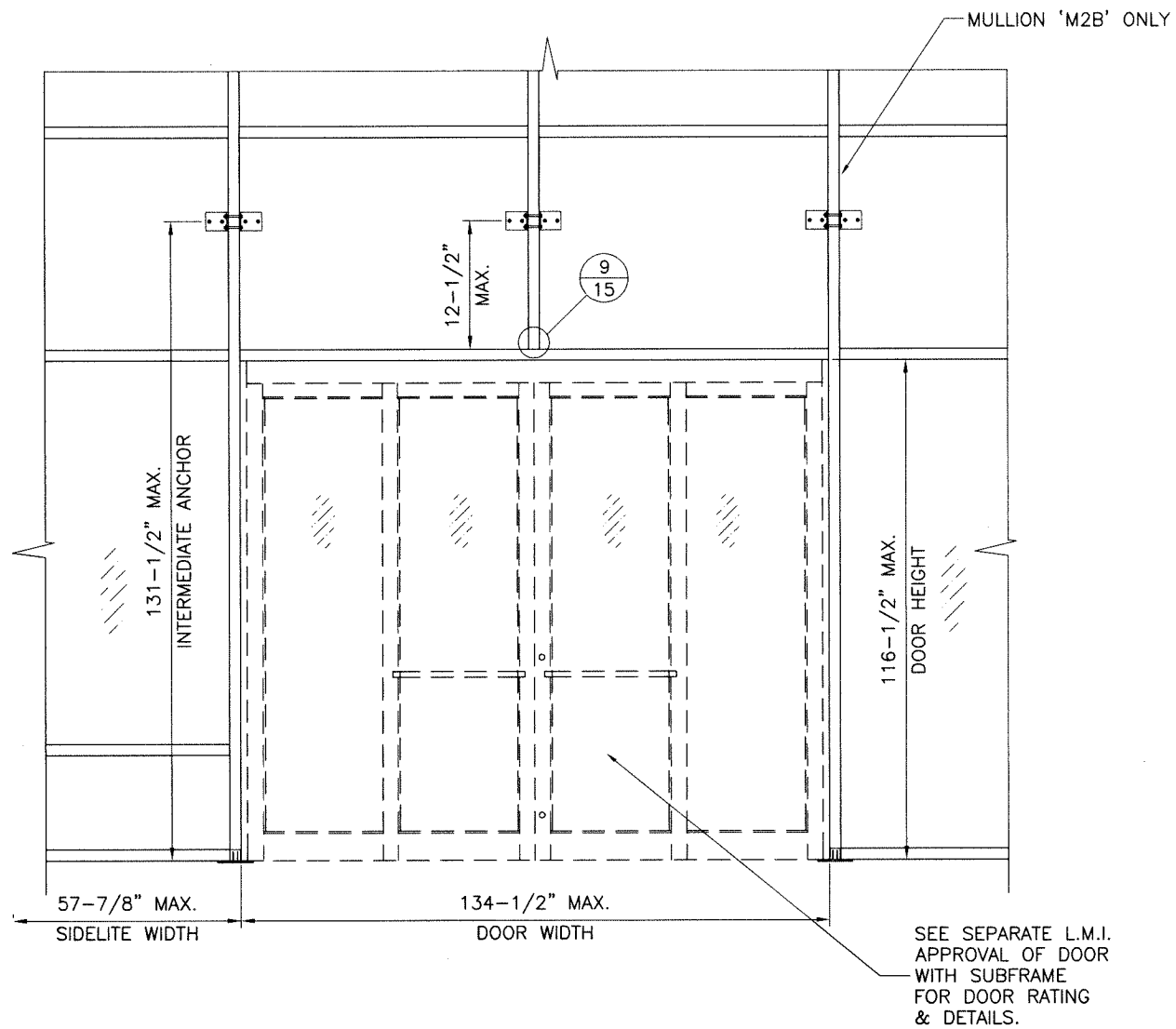
CURTAIN WALL SYSTEM WITH DOUBLE DOORS
LIMIT MAX. DESIGN LOADS TO ± 70.0 PSF

Sealed: 10/1/2026

FL #27101

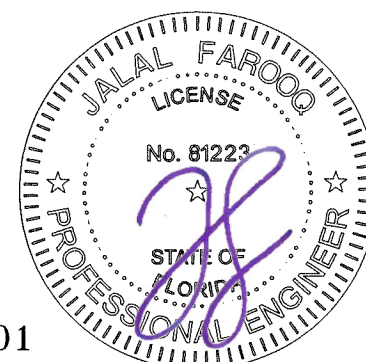


AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978 COMP-ANL\18-56F-MG																					
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date: 05-08-18 scale: 1/4"=1'-0" dr. by: TARIQ chk. by:	revisions: <table border="1"> <thead> <tr> <th>no</th> <th>date</th> <th>by</th> <th>description</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	no	date	by	description																
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drawing no. 18-56F sheet 3.1 of 30																					

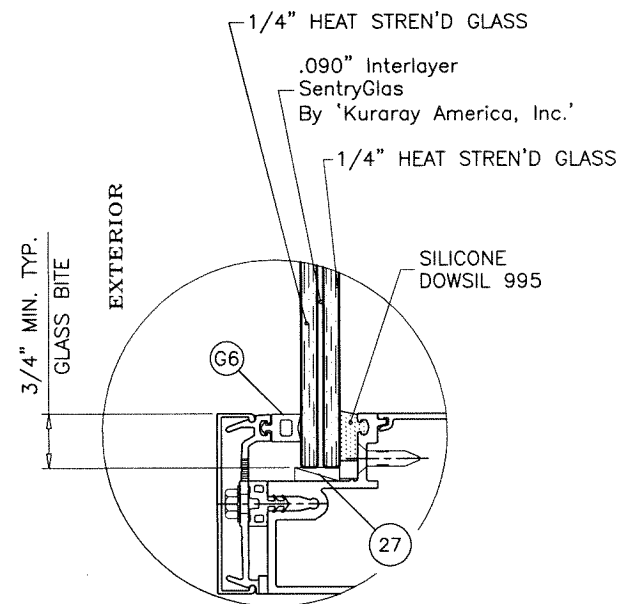


Sealed: 10/1/2026

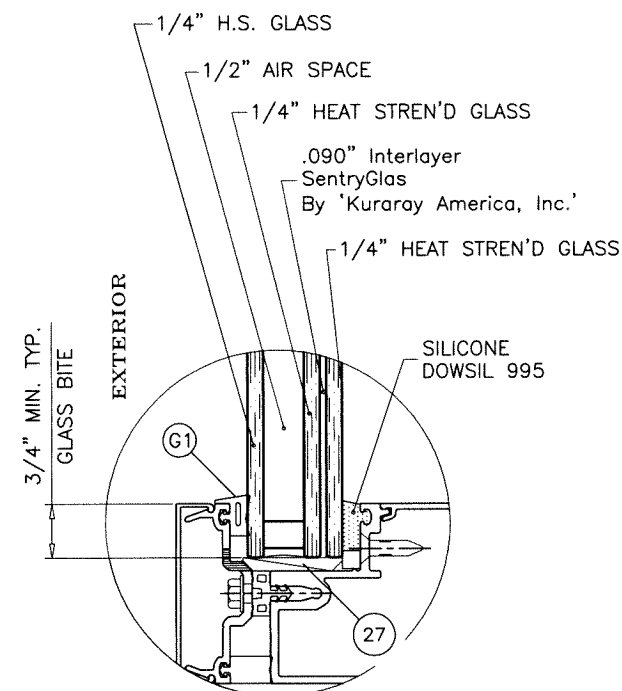
FL #27101



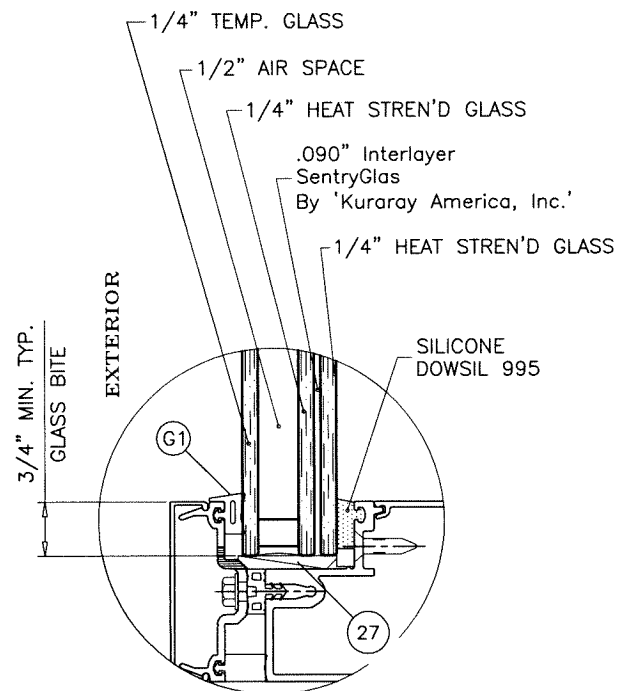
AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978 (C.A.N. 3538)		COMP-ANL 18-56F-MG
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)		
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC 8051 N.W. 79th Place Medley, FL. 33166 Tel. (305) 764-3963 Fax. (305) 470-8285		
revisions:		
no.	date	by description
date: 05-08-18	scale: 1/4"=1'-0"	dr. by: TARIQ
		chk. by:
drawing no. 18-56F		
sheet 3.2 of 30		



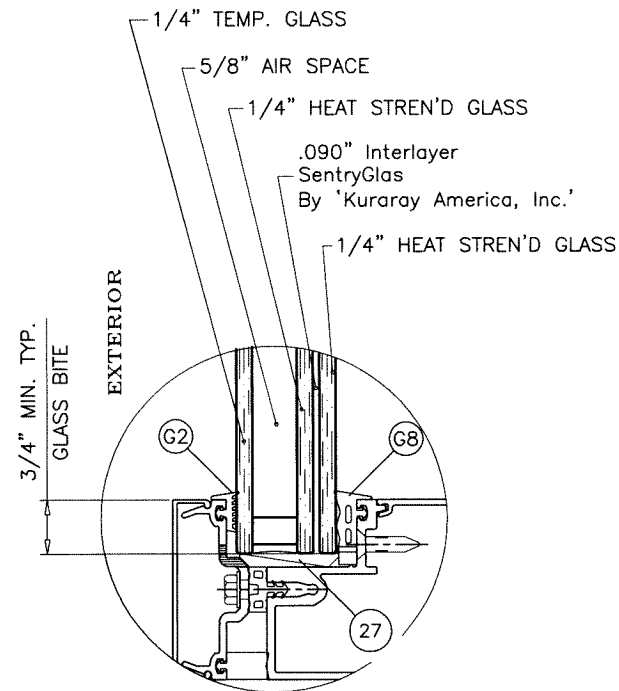
GLASS TYPE 'A'



GLASS TYPE 'A1'



GLASS TYPE 'A2'



GLASS TYPE 'A3'

**GLAZING OPTIONS
LEVEL 'D' IMPACT**

1/2" & 5/8" AIR SPACE CONSISTING OF:

SPACER:

'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'

AROUND THE PERIMETER OF THE GLASS.

SECONDARY SEAL CAPTURED GLASS (W/ PRESS PLATE):

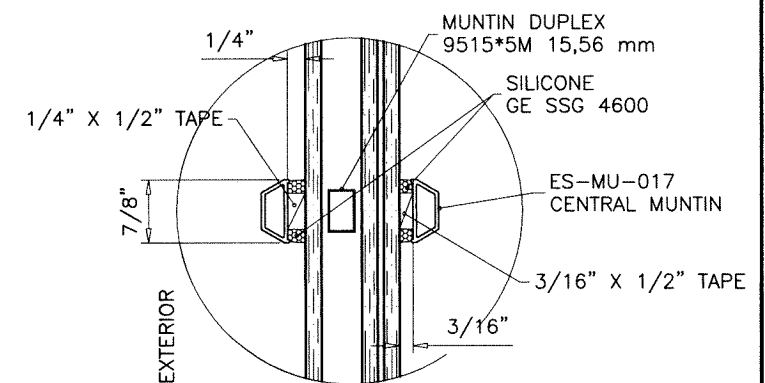
SILICONE
DOWSIL 791
GE 2000

SECONDARY SEAL SSG GLASS (W/O PRESS PLATE):

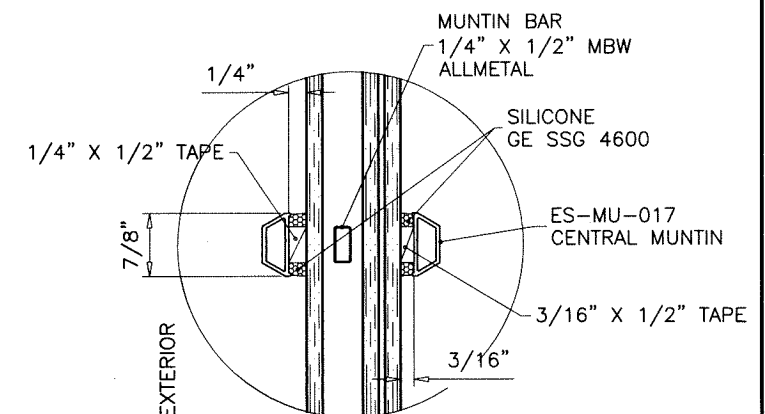
5/16" SILICONE THICKNESS

ULTIMATE TENSILE STRENGTH PER ASTM C1135 = 150 PSI MIN.

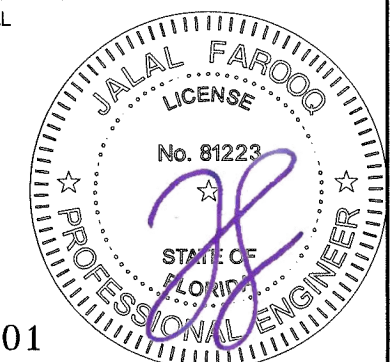
NOTE:
GLASS TYPE 'A1' NOT APPROVED FOR INSTALLATIONS
ABOVE 30 FT. OF GRADE.



**ALUMINUM MUNTINS
OPTIONAL**



**ALUMINUM MUNTINS
OPTIONAL**



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no	date	by	description

date: 05-08-18
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
18-56F
sheet 4 of 30

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.	GLASS TYPE 'A'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
36"	90"	119.0
39"		119.0
42"		119.0
45"		119.0
48"		119.0
51"		119.0
54"		119.0
57"		119.0
60"		119.0
36"	96"	119.0
39"		119.0
42"		119.0
45"		119.0
48"		119.0
51"		119.0
54"		119.0
57"		119.0
60"		86.4
36"	102"	119.0
39"		119.0
42"		119.0
45"		119.0
48"		119.0
51"		119.0
54"		119.0
57"		86.4
60"		70.0
36"	108"	119.0
39"		119.0
42"		119.0
45"		119.0
48"		119.0
51"		119.0
54"		86.4
57"		70.0
60"		70.0
36"	114"	119.0
39"		119.0
42"		119.0
45"		119.0
48"		119.0
51"		86.4
54"		70.0
57"		70.0
60"		70.0
36"	120"	119.0
39"		119.0
42"		119.0
45"		119.0
48"		86.4
51"		70.0
54"		70.0
57"		70.0

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.	GLASS TYPE 'A'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
36"	126"	119.0
39"		119.0
42"		119.0
45"		86.4
48"		70.0
51"		70.0
54"		70.0
57"		119.0
60"		119.0
36"	132"	119.0
39"		119.0
42"		86.4
45"		70.0
48"		70.0
51"		70.0
54"		119.0
57"		119.0
60"		119.0
36"	138"	119.0
39"		119.0
42"		86.4
45"		70.0
48"		70.0
51"		70.0
54"		119.0
57"		119.0
60"		119.0
36"	144"	119.0
39"		86.4
42"		70.0
45"		70.0
48"		70.0
51"		119.0
54"		119.0
57"		119.0
60"		119.0
36"	150"	119.0
39"		86.4
42"		70.0
45"		70.0
48"		119.0
51"		119.0
54"		119.0
57"		119.0
60"		119.0
36"	153-5/8"	119.0
39"		70.0
42"		70.0
45"		70.0
48"		119.0
51"		119.0
54"		119.0
57"		119.0
60"		119.0
36"	158-1/2"	119.0
39"		70.0
42"		70.0
45"		70.0
48"		119.0
51"		119.0
54"		119.0
57"		119.0
60"		119.0

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.	GLASS TYPE 'A1'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
36"	90"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	96"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	102"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	108"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	114"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	120"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	126"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	132"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	138"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	144"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.	GLASS TYPE 'A2'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
36"	90"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	96"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	102"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	108"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	114"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	120"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	126"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	132"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	138"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	144"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0

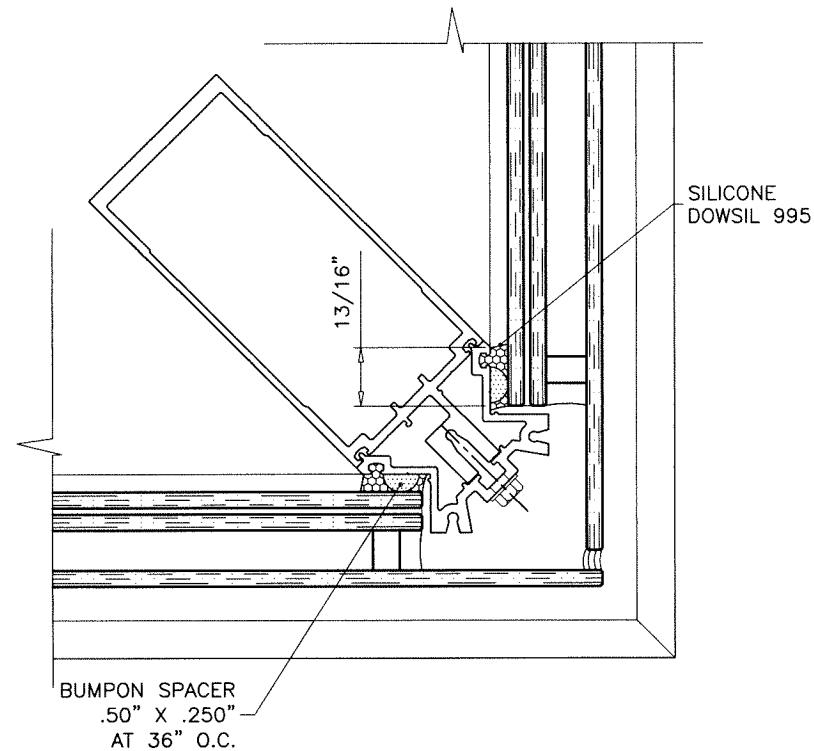
GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.	GLASS TYPE 'A2'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
36"	126"	100.0
39"		100.0
42"		100.0
45"		50.0
48"		50.0
51"		50.0
54"		50.0
57"		50.0
60"		50.0
36"	132"	100.0
39"		100.0
42"		50.0
45"		50.0
48"		50.0
51"		50.0
54"		50.0
57"		50.0
60"		50.0
36"	138"	100.0
39"		100.0
42"		50.0
45"		50.0
48"		50.0
51"		50.0
54"		50.0
57"		50.0
60"		50.0
36"	144"	100.0
39"		100.0
42"		50.0
45"		50.0
48"		50.0
51"		50.0
54"		50.0
57"		50.0
60"		50.0

GLASS LOAD CAPACITY – PSF				
NOMINAL DIMS.		GLASS TYPE 'A3'		
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(–)	
48"	102"	113.0	120.0	
51"		113.0	120.0	
54"		113.0	120.0	
57"		113.0	120.0	
60"		113.0	120.0	
63"		113.0	120.0	
66"		113.0	120.0	
69"		113.0	120.0	
72"		113.0	120.0	
75"		113.0	120.0	
78"		113.0	120.0	
81"		113.0	115.9	
84"		111.7	111.7	
87"		107.9	107.9	
90"		104.3	104.3	
48"	108"	113.0	120.0	
51"		113.0	120.0	
54"		113.0	120.0	
57"		113.0	120.0	
60"		113.0	120.0	
63"		113.0	120.0	
66"		113.0	120.0	
69"		113.0	120.0	
72"		113.0	120.0	
75"		113.0	117.0	
78"		113.0	113.0	
81"		109.0	109.0	
84"		107.0	107.0	
87"		104.0	104.0	
48"		114"	113.0	120.0
51"	113.0		120.0	
54"	113.0		120.0	
57"	113.0		120.0	
60"	113.0		120.0	
63"	113.0		120.0	
66"	113.0		120.0	
69"	113.0		119.0	
72"	113.0		115.0	
75"	111.0		111.0	
78"	108.0		108.0	
81"	105.0		105.0	
48"	120"		113.0	120.0
51"			113.0	120.0
54"			113.0	120.0
57"		113.0	120.0	
60"		113.0	120.0	
63"		113.0	120.0	
66"		113.0	118.0	
69"		113.0	113.0	
72"		109.0	109.0	
75"		107.0	107.0	
78"		104.0	104.0	

MULLION WITHOUT PRESSURE PLATE LIMIT MAX. LOADS AS PER CHART			
NOMINAL DIMS.		CORNER MULL 13/16" SILICONE	BUTT GLAZE MULL 1" SILICONE
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	90"	100.0	130.0
39"		100.0	130.0
42"		100.0	130.0
45"		100.0	130.0
48"		100.0	130.0
51"		100.0	130.0
54"		100.0	130.0
57"		100.0	130.0
60"		100.0	130.0
36"	96"	100.0	130.0
39"		100.0	130.0
42"		100.0	130.0
45"		100.0	130.0
48"		100.0	130.0
51"		100.0	130.0
54"		100.0	130.0
56"		100.0	130.0
60"		—	130.0
36"	102"	100.0	130.0
39"		100.0	130.0
42"		100.0	130.0
45"		100.0	130.0
48"		100.0	130.0
51"		100.0	130.0
53"		100.0	130.0
57"		—	130.0
59"		—	130.0
36"	105-1/2"	100.0	130.0
39"		100.0	130.0
42"		100.0	130.0
45"		100.0	130.0
48"		100.0	130.0
51"		100.0	130.0
54"		—	130.0
57"		—	130.0
57-1/2"		—	130.0
36"	108"	100.0	130.0
39"		100.0	130.0
42"		100.0	130.0
45"		100.0	130.0
48"		100.0	130.0
50"		100.0	130.0
54"		—	130.0
36"	114"	100.0	130.0
39"		100.0	130.0
42"		100.0	130.0
45"		100.0	130.0
47"		100.0	130.0
51"		—	130.0
36"	120"	100.0	130.0
39"		100.0	130.0
42"		100.0	130.0
45"		100.0	130.0
48"		—	130.0

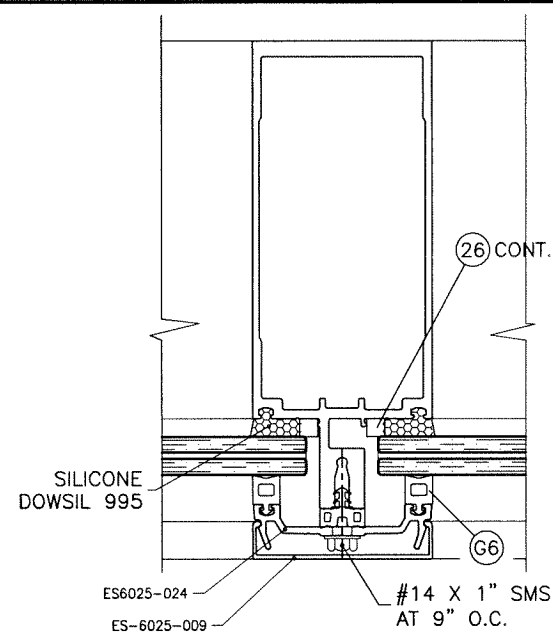
MULLION WITHOUT PRESSURE PLATE LIMIT MAX. LOADS AS PER CHART			
NOMINAL DIMS.		CORNER MULL 13/16" SILICONE	BUTT GLAZE MULL 1" SILICONE
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	126"	100.0	130.0
39"		100.0	130.0
42"		100.0	130.0
45"		—	130.0
48"		—	130.0
36"	132"	100.0	130.0
39"		100.0	130.0
42"		—	130.0
45"		—	130.0
36"	138"	100.0	130.0
39"		100.0	130.0
42"		—	130.0
45"		—	130.0
36"	144"	100.0	130.0
39"		—	130.0

SEE SHEETS 4.1 & 4.3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS TYPE.
SEE CHART ABOVE FOR SILICONE CAPACITY OF BUTT GLAZED SYSTEM WITHOUT PRESSURE PLATE.
LOWER VALUES FROM GLASS CHART OR SILICONE CAPACITY CHART WILL APPLY.
SEE DETAILS ABOVE FOR MULLIONS WITHOUT PRESSURE PLATE.

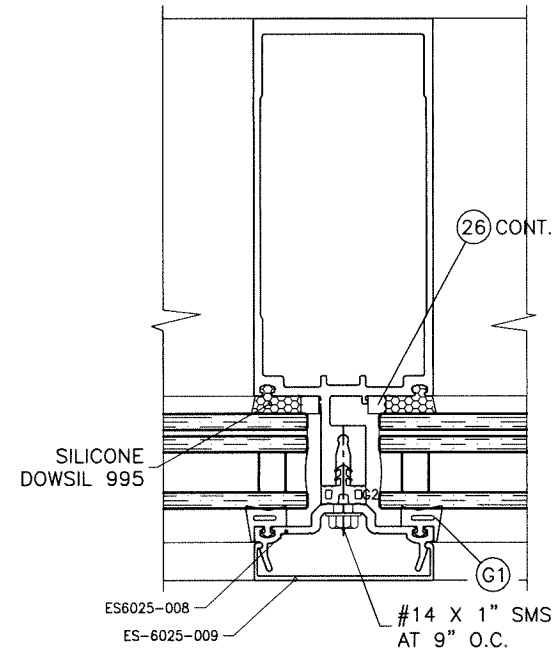


CORNER MULLION
WITHOUT PRESS PLATE
13/16" SILICONE

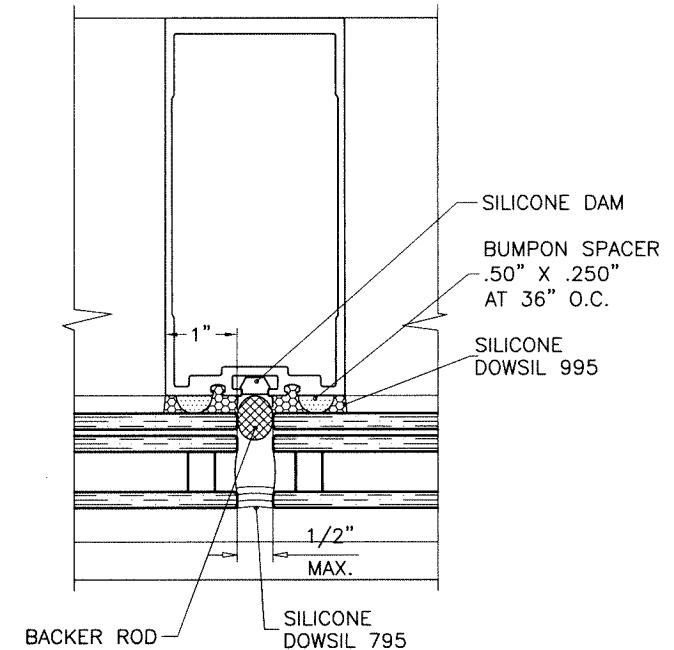
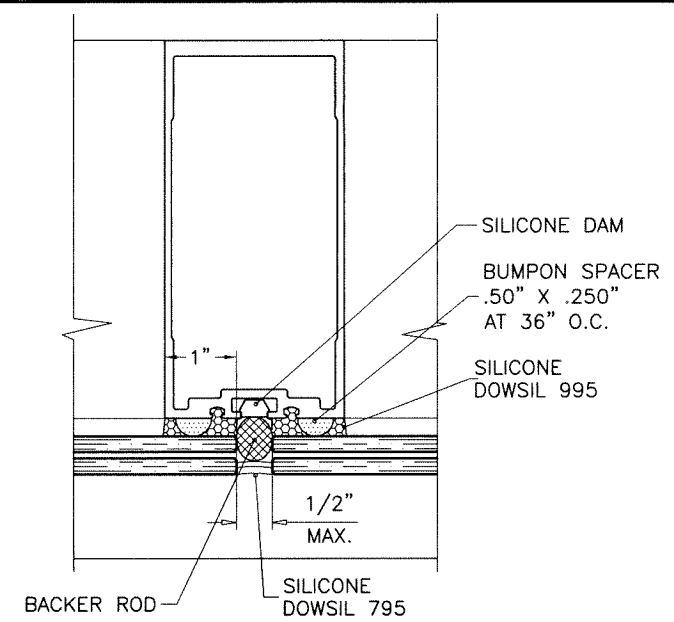
LIMIT MAX. DESIGN LOAD FOR CORNER MULLIONS TO ±100.0 PSF



HEAVY MULLION
WITH PRESS PLATE

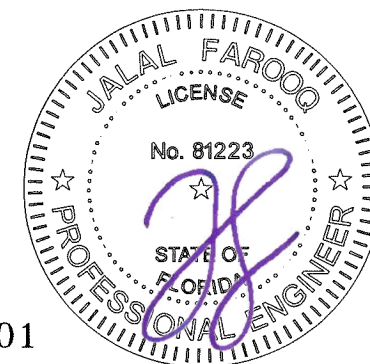


BUTT GLAZED MULLION
WITHOUT PRESS PLATE
1" SILICONE



Sealed: 10/1/2026

FL #27101



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-7000 ALUM CURTAIN 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

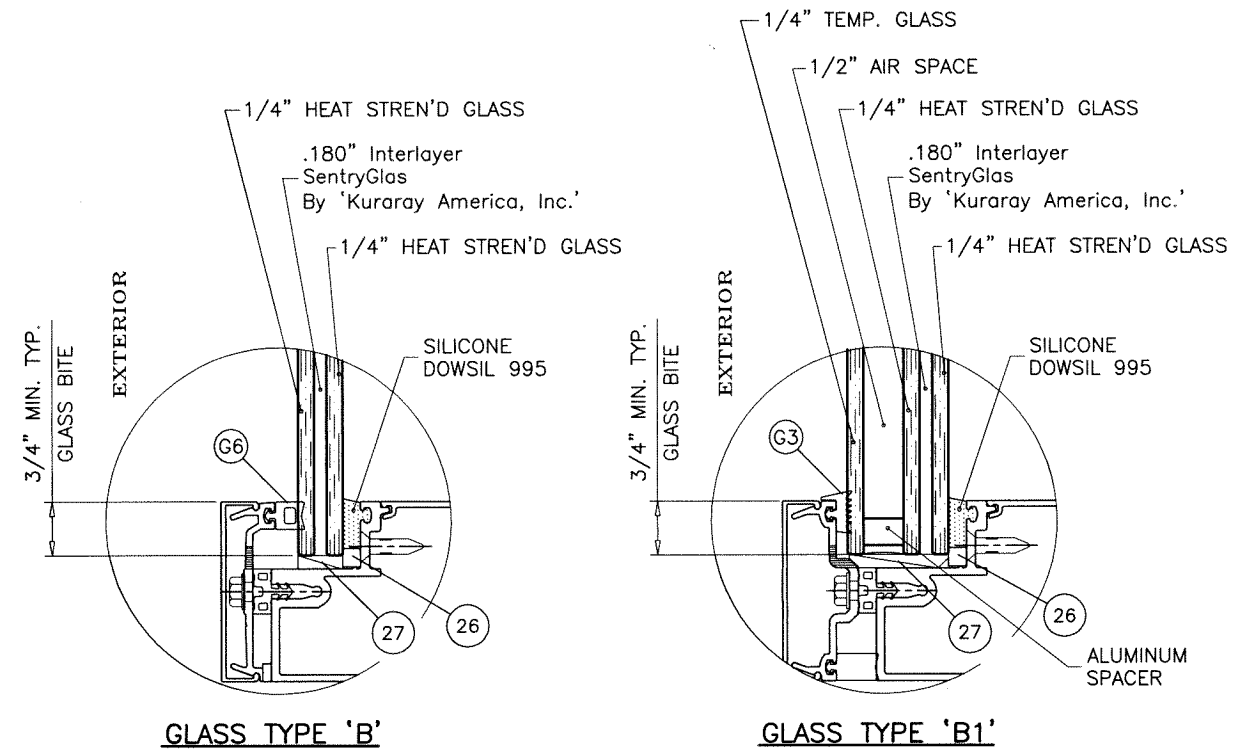
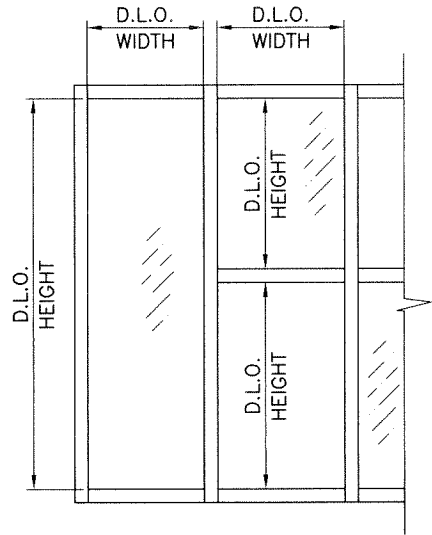
Revisions:

no	date	by	description

date: 05-08-18
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
18-56F
sheet 4.2 of 30

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		GLASS TYPES
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
36"	105-1/2"	130.0
39"		130.0
42"		130.0
45"		130.0
48"		130.0
51"		130.0
54"		130.0
57-1/2"		130.0
36"	108"	130.0
39"		130.0
42"		130.0
45"		130.0
48"		130.0
51"		130.0
54"		130.0
36"	114"	130.0
39"		130.0
42"		130.0
45"		130.0
48"		130.0
51"		130.0
36"	120"	130.0
39"		130.0
42"		130.0
45"		130.0
48"		130.0
36"	126"	130.0
39"		130.0
42"		130.0
45"		130.0
48"		130.0
36"	132"	130.0
39"		130.0
42"		130.0
45"		130.0
48"		130.0
36"	138"	130.0
39"		130.0
42"		130.0
36"	144"	130.0
39"		130.0



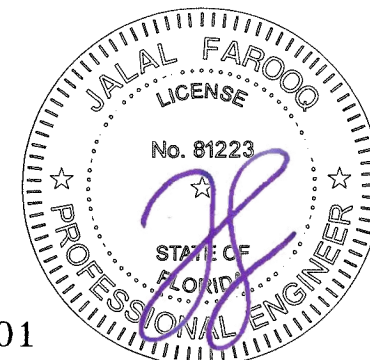
GLAZING OPTIONS
LEVEL 'E' IMPACT

1/2" AIR SPACE CONSISTING OF:
SPACER:
'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.
SECONDARY SEAL CAPTURED GLASS (W/ PRESS PLATE):
SILICONE
DOWSIL 791
GE 2000
SECONDARY SEAL SSG GLASS (W/O PRESS PLATE):
5/16" SILICONE THICKNESS
ULTIMATE TENSILE STRENGTH PER ASTM C1135 = 150 PSI MIN.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
ASTM E1300-16 (3 SEC. GUSTS)

Sealed: 10/1/2026

FL #27101



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Medley, FL 33166
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revisions:

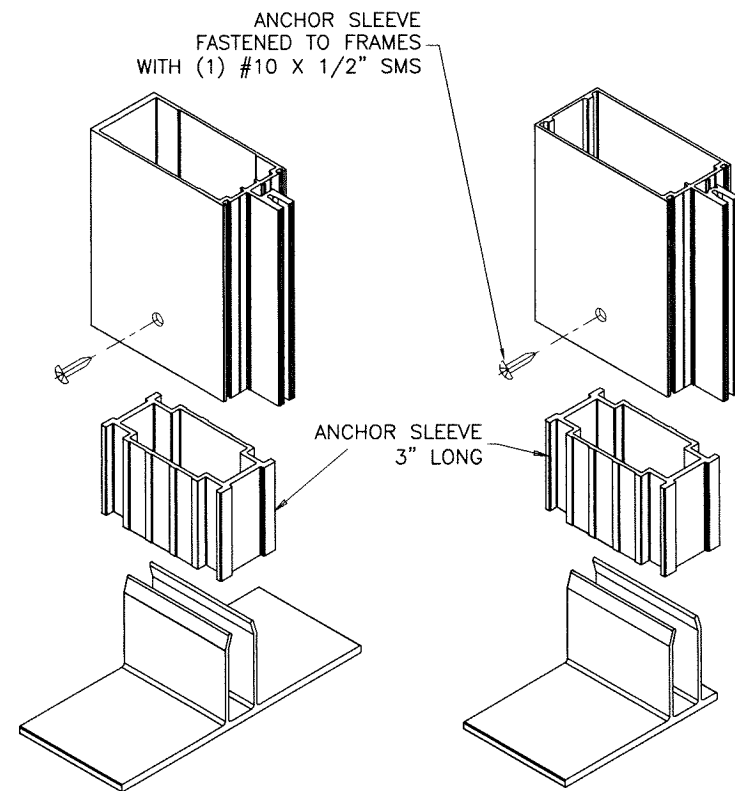
no	date	by	description

date: 05-08-18
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
18-56F

sheet **4.3** of **30**

COMP-ANL 18-56F-MG



**MULLION ANCHOR CLIP
DETAIL '2'**

**JAMB ANCHOR CLIP
DETAIL '1'**

ANCHOR 'A'

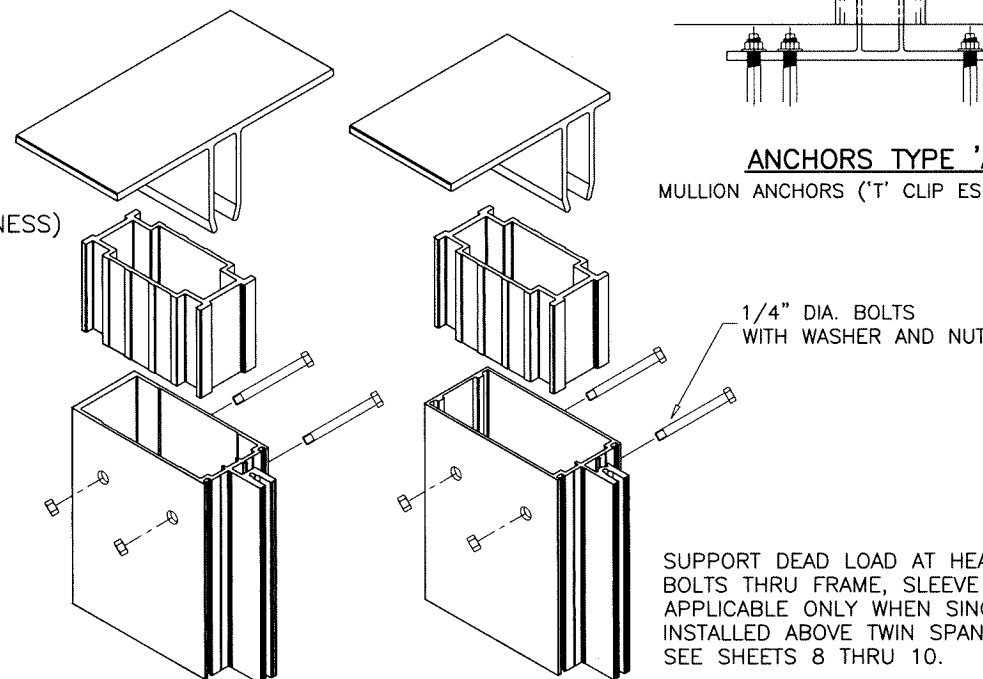
DIRECTLY INTO CONCRETE
3/8" DIA. KWIK BOLT-3 EXPANSION ANCHOR
(2) PER SIDE
WITH 2-1/2" MIN. EMBED INTO CONCRETE.
3" MIN. EDGE DIST.
2-1/2" MIN. SPACING

ANCHOR 'B'

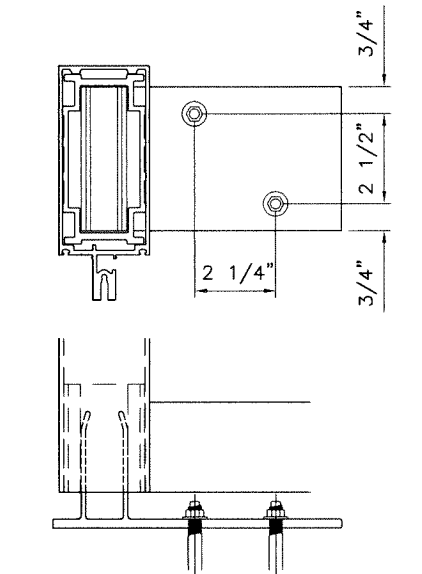
DIRECTLY INTO CONCRETE
1/2" DIA. KWIK BOLT-3 EXPANSION ANCHOR
(1) PER SIDE
WITH 3-1/2" MIN. EMBED INTO CONCRETE.
3-3/4" MIN. EDGE DIST.
6-1/2" MIN. SPACING

ANCHOR 'C'

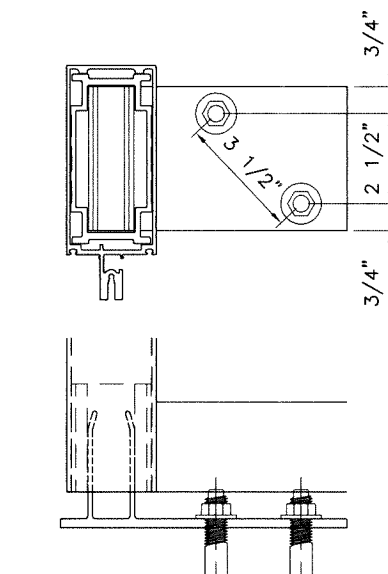
INTO METAL STRUCTURES (STEEL 3/16" MIN. THICKNESS)
5/16" DRILL-FLEX SELF DRILLING SCREWS
(3) PER SIDE
1/2" MIN. EDGE DIST.
3/4" MIN. SPACING



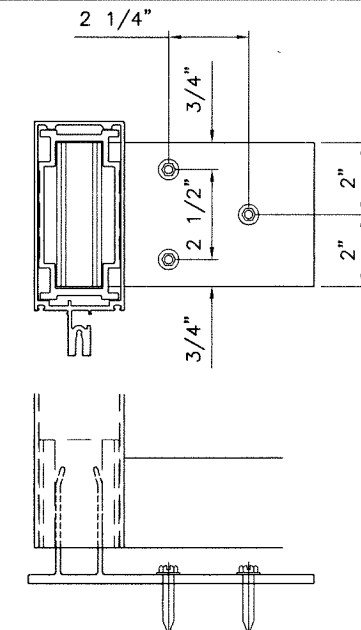
SUPPORT DEAD LOAD AT HEAD ANCHORS USING
BOLTS THRU FRAME, SLEEVE AND CLIP LEGS.
APPLICABLE ONLY WHEN SINGLE SPAN FRAMES ARE
INSTALLED ABOVE TWIN SPAN FRAMES.
SEE SHEETS 8 THRU 10.



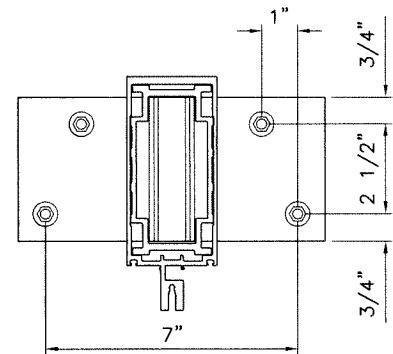
ANCHORS TYPE 'A'
JAMB ANCHORS ('F' CLIP ES-7525-51)



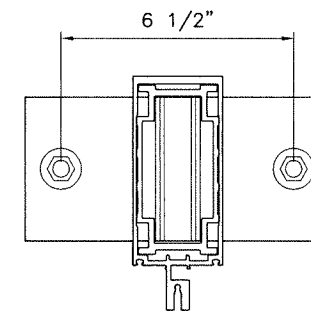
ANCHORS TYPE 'B'
JAMB ANCHORS ('F' CLIP ES-7525-51)



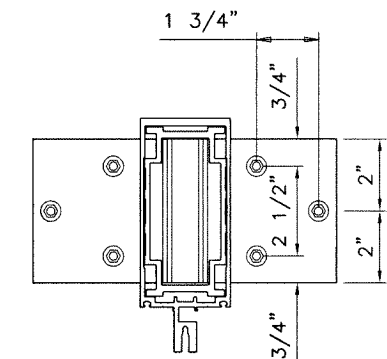
ANCHORS TYPE 'C'
JAMB ANCHORS ('F' CLIP ES-7525-51)



ANCHORS TYPE 'A'
MULLION ANCHORS ('T' CLIP ES-7525-50)

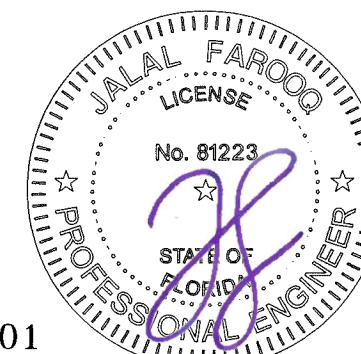


ANCHORS TYPE 'B'
MULLION ANCHORS ('T' CLIP ES-7525-50)



ANCHORS TYPE 'C'
MULLION ANCHORS ('T' CLIP ES-7525-50)

SEE SHEET 5.1 FOR ANCHOR CAPACITIES



Sealed: 10/1/2026

FL #27101

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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(C.A.N. 3538)

COMP-ANL 18-56F-MG

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
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18-56F

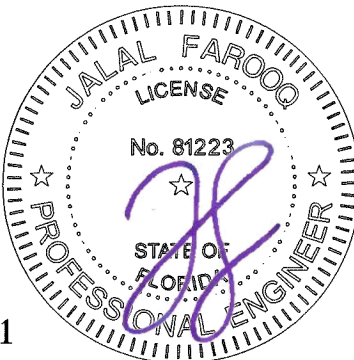
Revisions:	
no	by description

date: 05-08-18	scale:	dr. by: TARIQ	chk. by:	drawing no. 18-56F
				sheet 5 of 30

ANCHORS LOAD CAPACITY - PSF				
NOMINAL DIMS.		ANCHORS TYPE 'A'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	102"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	119.0	119.0
54"		119.0	119.0	119.0
60"		119.0	119.0	119.0
36"	108"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	119.0	119.0
54"		119.0	119.0	119.0
60"		119.0	117.0	119.0
36"	114"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	119.0	119.0
54"		119.0	119.0	119.0
60"		119.0	110.0	119.0
36"	120"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	119.0	119.0
54"		119.0	117.0	119.0
60"		117.0	105.0	119.0
36"	126"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	119.0	119.0
54"		119.0	111.0	119.0
60"		112.0	100.0	119.0
36"	132"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	119.0	119.0
54"		118.0	106.0	119.0
60"		107.0	95.0	119.0
36"	138"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	114.0	119.0
54"		113.0	101.0	119.0
60"		102.0	91.0	119.0
36"	144"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	109.0	119.0
54"		109.0	97.0	119.0
60"		98.0	87.0	119.0
36"	147"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	107.0	119.0
54"		106.0	95.0	119.0
60"		96.0	86.0	119.0
36"	150"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		117.0	105.0	119.0
54"		104.0	93.0	119.0
60"		94.0	84.0	119.0
36"	156"	119.0	119.0	119.0
42"		119.0	115.0	119.0
48"		113.0	101.0	119.0
54"		100.0	90.0	119.0
60"		90.0	81.0	119.0

ANCHORS LOAD CAPACITY - PSF				
NOMINAL DIMS.		ANCHORS TYPE 'A'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	159"	119.0	119.0	119.0
42"		119.0	113.0	119.0
48"		111.0	99.0	119.0
54"		98.0	88.0	119.0
60"		89.0	79.0	119.0
36"	168"	119.0	119.0	119.0
42"		119.0	107.0	119.0
48"		105.0	94.0	119.0
54"		93.0	83.0	119.0
60"		84.0	75.0	119.0
36"	180"	119.0	117.0	119.0
42"		112.0	100.0	119.0
48"		98.0	87.0	119.0
54"		87.0	78.0	119.0
60"		78.0	70.0	119.0
36"	184-1/8"	119.0	114.0	119.0
42"		109.0	98.0	119.0
48"		96.0	85.0	119.0
54"		85.0	76.0	119.0
60"		76.0	68.0	119.0
36"	192"	119.0	109.0	119.0
42"		105.0	94.0	119.0
48"		92.0	82.0	119.0
54"		81.0	73.0	119.0
60"		73.0	66.0	119.0
36"	196-3/4"	119.0	107.0	119.0
42"		102.0	91.0	119.0
48"		89.0	80.0	119.0
54"		79.0	71.0	119.0
60"		72.0	64.0	119.0

SEE SHEET 5 FOR HEAD/SILL ANCHOR DETAILS



Sealed: 10/1/2026

FL #27101



AL-FAROOQ CORPORATION
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SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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revisions:

no	date	by	description

date: 05-08-18

scale:

dr. by: TARIQ

chk. by:

drawing no.

18-56F

sheet 5.1 of 30

COMP-ANL\18-56F-MG

ANCHORS LOAD CAPACITY - PSF				
NOMINAL DIMS.		ANCHORS TYPE 'AA'	ANCHORS TYPE 'BB'	ANCHORS TYPE 'CC'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	114"	130.0	130.0	130.0
42"		130.0	130.0	130.0
48"		130.0	130.0	130.0
54"		130.0	122.7	130.0
60"		123.5	110.4	130.0
36"	120"	130.0	130.0	130.0
42"		130.0	130.0	130.0
48"		130.0	130.0	130.0
54"		130.0	116.5	130.0
60"		117.3	104.9	130.0
36"	126"	130.0	130.0	130.0
42"		130.0	130.0	130.0
48"		130.0	124.9	130.0
54"		124.1	111.0	130.0
60"		111.7	99.9	130.0
36"	130"	130.0	130.0	130.0
42"		130.0	130.0	130.0
48"		130.0	121.0	130.0
54"		120.3	107.6	130.0
60"		108.3	96.8	130.0
36"	132"	130.0	130.0	130.0
42"		130.0	130.0	130.0
48"		130.0	119.2	130.0
54"		118.5	105.9	130.0
60"		106.6	95.3	130.0
36"	138"	130.0	130.0	130.0
42"		130.0	130.0	130.0
48"		127.5	114.0	130.0
54"		113.3	101.3	130.0
60"		102.0	91.2	130.0
36"	144"	130.0	130.0	130.0
42"		130.0	124.9	130.0
48"		122.2	109.3	130.0
54"		108.6	97.1	130.0
60"		97.7	87.4	130.0
36"	150"	130.0	130.0	130.0
42"		130.0	119.9	130.0
48"		117.3	104.9	130.0
54"		104.2	93.2	130.0
60"		93.8	83.9	130.0
36"	156"	130.0	130.0	130.0
42"		128.9	115.3	130.0
48"		112.8	100.8	130.0
54"		100.2	89.6	130.0
60"		90.2	80.7	130.0
36"	168"	130.0	124.9	130.0
42"		119.7	107.0	130.0
48"		104.7	93.6	130.0
54"		93.1	83.2	130.0
60"		83.8	74.9	130.0
36"	180"	130.0	116.5	130.0
42"		111.7	99.9	130.0
48"		97.7	87.4	130.0
54"		86.9	77.7	130.0
60"		78.2	69.9	130.0

ANCHOR 'AA'

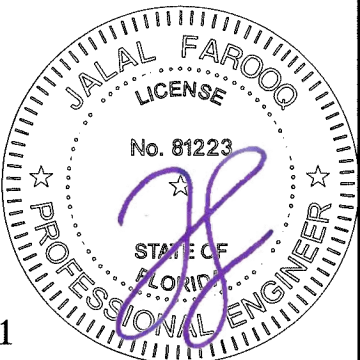
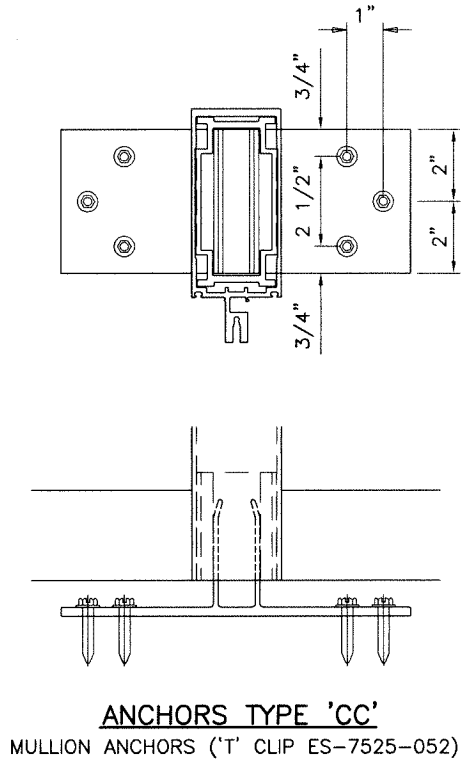
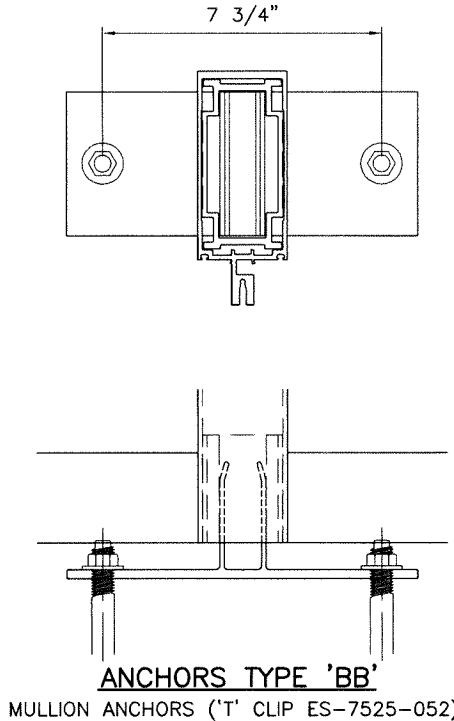
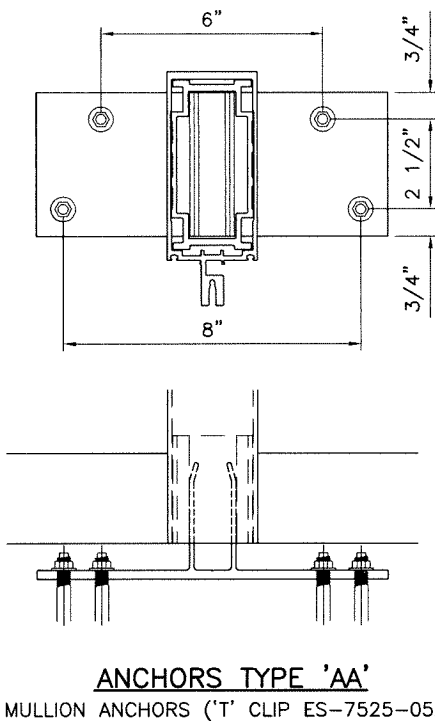
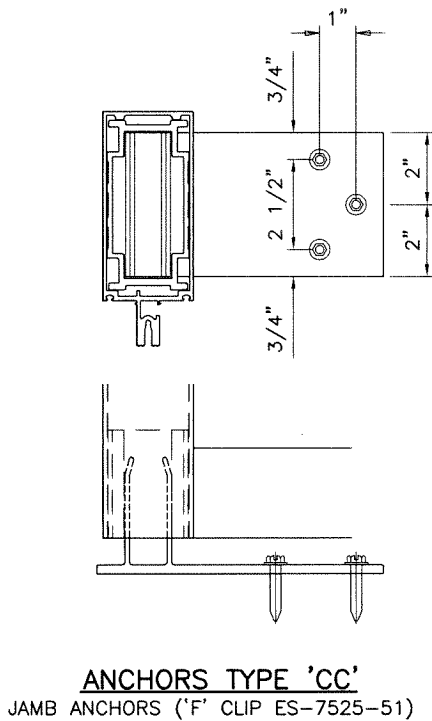
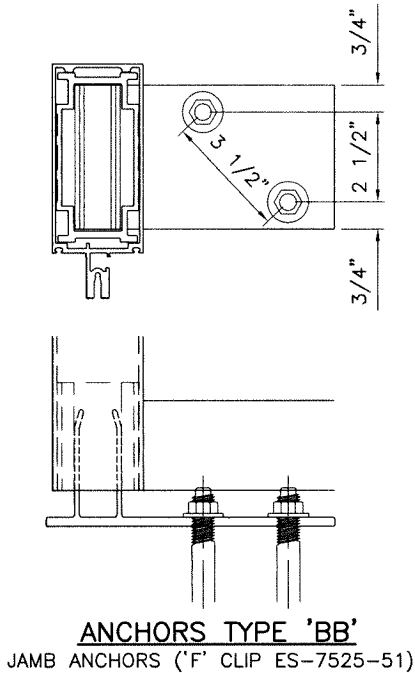
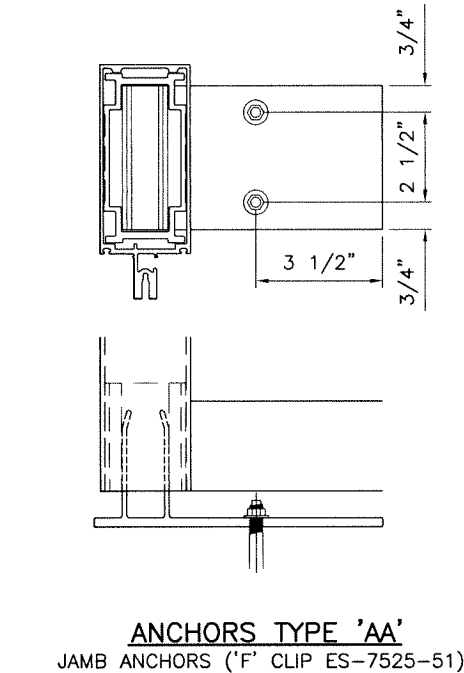
DIRECTLY INTO CONCRETE
3/8" DIA. KWIK BOLT-3 EXPANSION ANCHOR
(2) PER SIDE
WITH 2-1/2" MIN. EMBED INTO CONCRETE.
3" MIN. EDGE DIST.
2-1/2" MIN. SPACING

ANCHOR 'BB'

DIRECTLY INTO CONCRETE
1/2" DIA. KWIK BOLT-3 EXPANSION ANCHOR
(1) PER SIDE
WITH 3-1/2" MIN. EMBED INTO CONCRETE.
3-3/4" MIN. EDGE DIST.
6-1/2" MIN. SPACING

ANCHOR 'CC'

INTO METAL STRUCTURES (STEEL 3/16" MIN. THICKNESS)
5/16" DRIL-FLEX SELF DRILLING SCREWS
(3) PER SIDE
1/2" MIN. EDGE DIST.
3/4" MIN. SPACING



Sealed: 10/1/2026

FL #27101

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 18-56F-MG

SERIES MG-7000 ALUM CURTAIN 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

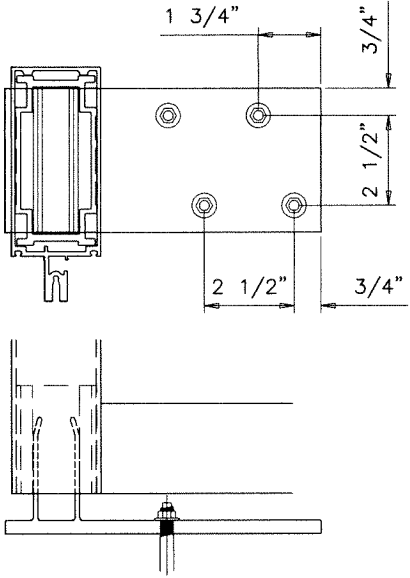
date: 05-08-18
scale:
dr. by: TARIQ
chk. by:

drawing no.
18-56F
sheet 5.2 of 30

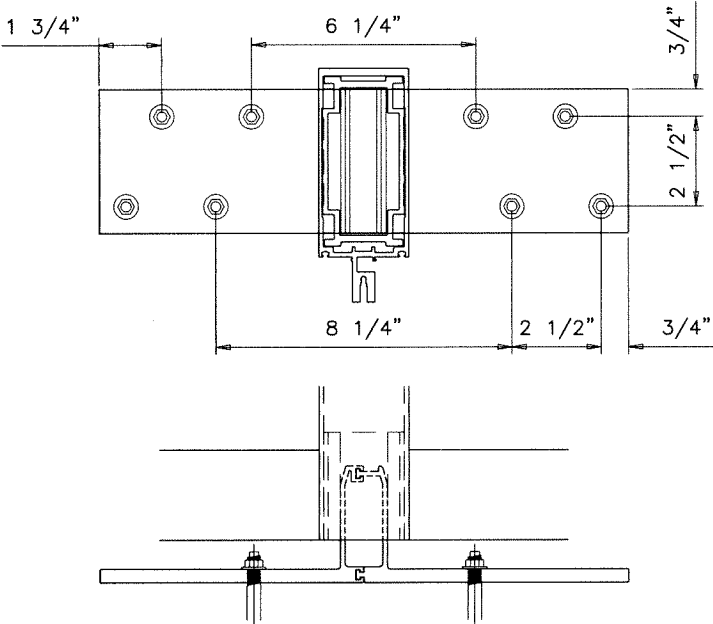
ANCHORS LOAD CAPACITY - PSF		
NOMINAL DIMS.		ANCHORS TYPE 'AAA'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	114"	130.0
42"		130.0
48"		130.0
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60"		130.0
36"	120"	130.0
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36"	126"	130.0
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36"	130"	130.0
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36"	132"	130.0
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36"	138"	130.0
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36"	144"	130.0
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36"	150"	130.0
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60"		130.0
36"	180"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0

ANCHOR 'AAA'
DIRECTLY INTO CONCRETE
3/8" DIA. KWIK BOLT-3 EXPANSION ANCHOR
(4) PER SIDE
WITH 2-1/2" MIN. EMBED INTO CONCRETE.
3" MIN. EDGE DIST.
2-1/2" MIN. SPACING

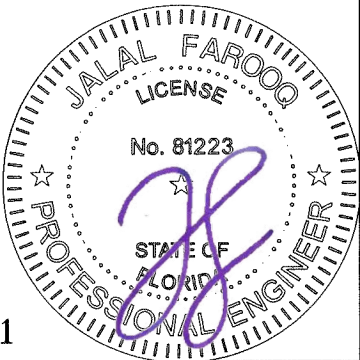
FOR HEAD AND SILL INCLUDING DEAD LOAD ANCHORS AT TOP



ANCHORS TYPE 'AAA'
JAMB ANCHORS ('F' CLIP ES-7525-061)



ANCHORS TYPE 'AAA'
MULLION ANCHORS CLIPS (ES-7525-059)
(ES-7525-060)



Sealed: 10/1/2026

FL #27101

afc
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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revisions:
no date by description
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DEAD LOAD ANCHOR CAPACITY - PSF				
NOMINAL DIMS.		ANCHORS TYPE 'A'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	102"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	119.0	119.0
54"		119.0	116.9	119.0
60"		115.8	103.2	119.0
36"	108"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	119.0	119.0
54"		119.0	109.3	119.0
60"		108.1	96.3	119.0
36"	114"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	117.8	119.0
54"		115.0	102.5	119.0
60"		101.3	90.2	119.0
36"	120"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	110.9	119.0
54"		108.1	96.3	119.0
60"		95.1	84.7	119.0
36"	126"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		117.4	104.7	119.0
54"		101.9	90.8	119.0
60"		89.5	79.7	119.0
36"	132"	119.0	119.0	119.0
42"		119.0	116.0	119.0
48"		111.1	99.0	119.0
54"		96.3	85.7	119.0
60"		84.4	75.2	119.0
36"	138"	119.0	119.0	119.0
42"		119.0	110.1	119.0
48"		105.3	93.8	119.0
54"		91.1	81.1	119.0
60"		79.8	71.0	119.0
36"	144"	119.0	119.0	119.0
42"		117.4	104.7	119.0
48"		100.0	89.1	119.0
54"		86.4	76.9	119.0
60"		75.5	67.2	119.0
36"	147"	119.0	119.0	119.0
42"		114.6	102.1	119.0
48"		97.5	86.8	119.0
54"		84.2	74.9	119.0
60"		73.6	65.4	119.0
36"	150"	119.0	119.0	119.0
42"		111.9	99.7	119.0
48"		95.1	84.7	119.0
54"		82.1	73.0	119.0
60"		71.6	63.7	119.0
36"	156"	119.0	114.3	119.0
42"		106.7	95.1	119.0
48"		90.6	80.7	119.0
54"		78.1	69.4	119.0
60"		68.0	60.5	119.0

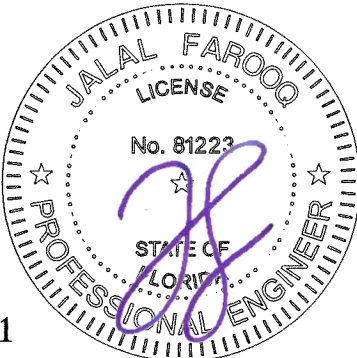
DEAD LOAD ANCHOR CAPACITY - PSF				
NOMINAL DIMS.		ANCHORS TYPE 'A'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	159"	119.0	111.7	119.0
42"		104.3	92.9	119.0
48"		88.5	78.7	119.0
54"		76.2	67.8	119.0
60"		66.3	59.0	119.0
36"	168"	117.4	104.7	119.0
42"		97.5	86.8	119.0
48"		82.5	73.4	119.0
54"		70.9	63.0	119.0
60"		61.6	54.7	119.0
36"	180"	108.1	96.3	119.0
42"		89.5	79.7	119.0
48"		75.5	67.2	119.0
54"		64.7	57.5	119.0
60"		56.0	49.7	119.0
36"	184-1/8"	105.2	93.7	119.0
42"		87.0	77.5	119.0
48"		73.4	65.2	119.0
54"		62.7	55.8	119.0
60"		54.3	48.2	119.0
36"	192"	100.0	89.1	119.0
42"		82.5	73.4	119.0
48"		69.4	61.7	119.0
54"		59.3	52.6	119.0
60"		51.1	45.4	119.0
36"	196-3/4"	97.0	86.4	119.0
42"		80.0	71.2	119.0
48"		67.2	59.8	119.0
54"		57.3	50.9	119.0
60"		49.3	43.8	119.0

SEE SHEET 5 FOR HEAD ANCHOR DETAILS

DEAD LOAD ANCHOR CAPACITY - PSF				
NOMINAL DIMS.		ANCHORS TYPE 'AA'	ANCHORS TYPE 'BB'	ANCHORS TYPE 'CC'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	114"	130.0	130.0	130.0
42"		130.0	130.0	130.0
48"		130.0	117.8	130.0
54"		115.0	102.5	130.0
60"		101.3	90.2	130.0
36"	120"	130.0	130.0	130.0
42"		130.0	129.6	130.0
48"		124.4	110.9	130.0
54"		108.1	96.3	130.0
60"		95.1	84.7	130.0
36"	126"	130.0	130.0	130.0
42"		130.0	122.5	130.0
48"		117.4	104.7	130.0
54"		101.9	90.8	130.0
60"		89.5	79.7	130.0
36"	130"	130.0	130.0	130.0
42"		130.0	118.1	130.0
48"		113.1	100.8	130.0
54"		98.1	87.4	130.0
60"		86.1	76.6	130.0
36"	132"	130.0	130.0	130.0
42"		130.0	116.0	130.0
48"		111.1	99.0	130.0
54"		96.3	85.7	130.0
60"		84.4	75.2	130.0
36"	138"	130.0	130.0	130.0
42"		123.5	110.1	130.0
48"		105.3	93.8	130.0
54"		91.1	81.1	130.0
60"		79.8	71.0	130.0
36"	144"	130.0	125.5	130.0
42"		117.4	104.7	130.0
48"		100.0	89.1	130.0
54"		86.4	76.9	130.0
60"		75.5	67.2	130.0
36"	150"	130.0	119.6	130.0
42"		111.9	99.7	130.0
48"		95.1	84.7	130.0
54"		82.1	73.0	130.0
60"		71.6	63.7	130.0
36"	156"	128.2	114.3	130.0
42"		106.7	95.1	130.0
48"		90.6	80.7	130.0
54"		78.1	69.4	130.0
60"		68.0	60.5	130.0
36"	168"	117.4	104.7	130.0
42"		97.5	86.8	130.0
48"		82.5	73.4	130.0
54"		70.9	63.0	130.0
60"		61.6	54.7	130.0
36"	180"	108.1	96.3	130.0
42"		89.5	79.7	130.0
48"		75.5	67.2	130.0
54"		64.7	57.5	130.0
60"		56.0	49.7	130.0

Sealed: 10/1/2026

FL #27101



afC

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

SERIES MG-7000 ALUM CURTAIN 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: 05-08-18

scale:

dr. by: TARIQ

chk. by:

drawing no.

18-56F

Sheet 5.4 of 30

COMP-ANL\18-56F-MG

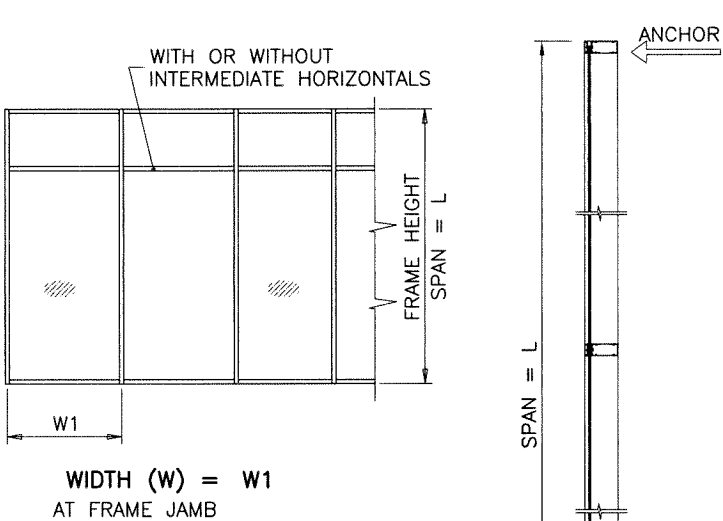
JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J1'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	99-3/4"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	108"	130.0
39"		130.0
42"		130.0
45"		130.0
48"		130.0
51"		130.0
54"		130.0
57"		130.0
60"		130.0
36"	110-1/2"	130.0
39"		130.0
42"		130.0
45"		130.0
48"		130.0
51"		130.0
54"		130.0
57"		130.0
60"		124.2
36"	114"	120.0
39"		120.0
42"		120.0
45"		120.0
48"		120.0
51"		120.0
54"		120.0
57"		120.0
60"		116.5
36"	120"	120.0
39"		120.0
42"		120.0
45"		120.0
48"		120.0
51"		120.0
54"		116.4
57"		110.3
60"		89.2
36"	126"	120.0
39"		120.0
42"		120.0
45"		120.0
48"		118.4
51"		111.4
54"		105.2
57"		85.1
60"		80.8

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	132"	120.0
39"		120.0
42"		120.0
45"		114.7
48"		107.5
51"		101.2
54"		81.8
57"		77.5
60"		73.6
36"	138"	120.0
39"		120.0
42"		112.1
45"		104.6
48"		98.1
51"		79.2
54"		74.8
57"		70.8
60"		67.3
36"	144"	115.5
39"		106.6
42"		99.0
45"		92.4
48"		86.6
51"		75.8
54"		71.6
57"		67.8
60"		64.4
36"	150"	100.0
39"		94.3
42"		87.6
45"		81.7
48"		76.6
51"		72.1
54"		68.1
57"		64.5
60"		61.3

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	110-1/2"	130.0
39"		130.0
42"		130.0
45"		130.0
48"		130.0
51"		130.0
54"		130.0
57"		130.0
60"		130.0
36"	114"	120.0
39"		120.0
42"		120.0
45"		120.0
48"		120.0
51"		120.0
54"		120.0
57"		120.0
60"		120.0
36"	120"	120.0
39"		120.0
42"		120.0
45"		120.0
48"		120.0
51"		120.0
54"		120.0
57"		120.0
60"		120.0
36"	126"	120.0
39"		120.0
42"		120.0
45"		120.0
48"		120.0
51"		120.0
54"		120.0
57"		120.0
60"		120.0
36"	132"	120.0
39"		120.0
42"		120.0
45"		120.0
48"		120.0
51"		120.0
54"		120.0
57"		120.0
60"		120.0
36"	138"	120.0
39"		120.0
42"		120.0
45"		120.0
48"		120.0
51"		120.0
54"		120.0
57"		120.0
60"		120.0

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	144"	120.0
39"		120.0
42"		120.0
45"		120.0
48"		120.0
51"		120.0
54"		120.0
57"		119.3
60"		113.3
36"	150"	120.0
39"		120.0
42"		120.0
45"		120.0
48"		120.0
51"		117.9
54"		111.4
57"		105.5
60"		100.2
36"	156"	120.0
39"		120.0
42"		120.0
45"		118.8
48"		111.4
51"		104.8
54"		99.0
57"		93.8
60"		89.1
36"	168"	120.0
39"		111.7
42"		103.7
45"		96.8
48"		90.8
51"		85.4
54"		80.7
57"		76.4
36"	180"	96.7
39"		89.2
42"		82.9
45"		77.3
48"		72.5
51"		68.2
54"		64.5
60"		



JAMB 'J1'

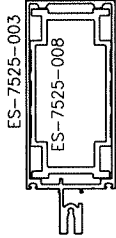
Ix IN ⁴	Sx IN ³
8.8201	3.3166



JAMB 'J2'

Ix IN ⁴	Sx IN ³
10.0003	2.9374

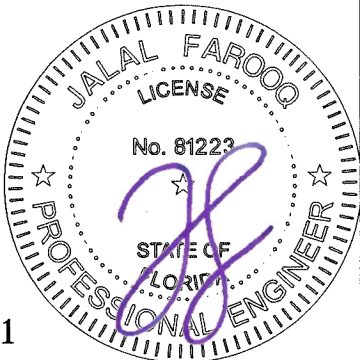
JAMB 'J2' RATED FOR LEVEL 'E' IMPACT



JAMB 'J2A'

Ix IN ⁴	Sx IN ³
16.3551	4.8041

JAMB 'J2A' RATED FOR LEVEL 'E' IMPACT



Sealed: 10/1/2026

FL #27101

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\18-56F-MC

SERIES MG-7000 ALUM CURTAIN 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: 05-08-18	scale: -	dr. by: TARIQ	chk. by:
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drawing no.
18-56F
sheet 6 of 30

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZONTALS				
NOMINAL DIMS.		JAMB 'J3'	JAMB 'J4'	JAMB 'J5'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	110-1/2"	130.0	130.0	119.0
39"		130.0	130.0	119.0
42"		130.0	130.0	119.0
45"		130.0	130.0	100.0
48"		130.0	130.0	100.0
51"		130.0	130.0	100.0
54"		130.0	130.0	100.0
57"		130.0	130.0	100.0
60"		130.0	130.0	100.0
36"	114"	120.0	120.0	119.0
39"		120.0	120.0	119.0
42"		120.0	120.0	119.0
45"		120.0	120.0	100.0
48"		120.0	120.0	100.0
51"		120.0	120.0	100.0
54"		120.0	120.0	100.0
57"		120.0	120.0	100.0
60"		120.0	120.0	100.0
36"	120"	120.0	120.0	119.0
39"		120.0	120.0	119.0
42"		120.0	120.0	119.0
45"		120.0	120.0	100.0
48"		120.0	120.0	100.0
51"		120.0	120.0	100.0
54"		120.0	120.0	100.0
57"		120.0	120.0	100.0
60"		100.0	120.0	100.0
36"	126"	120.0	120.0	119.0
39"		120.0	120.0	119.0
42"		120.0	120.0	119.0
45"		120.0	120.0	100.0
48"		120.0	120.0	100.0
51"		120.0	120.0	100.0
54"		120.0	120.0	100.0
57"		100.0	120.0	100.0
60"		100.0	120.0	100.0
36"	132"	120.0	120.0	119.0
39"		120.0	120.0	119.0
42"		120.0	120.0	119.0
45"		120.0	120.0	100.0
48"		120.0	120.0	100.0
51"		120.0	120.0	100.0
54"		100.0	120.0	100.0
57"		100.0	120.0	100.0
60"		100.0	120.0	100.0
36"	138"	120.0	120.0	119.0
39"		120.0	120.0	119.0
42"		120.0	120.0	119.0
45"		120.0	120.0	100.0
48"		120.0	120.0	100.0
51"		100.0	120.0	100.0
54"		100.0	120.0	100.0
57"		97.4	120.0	100.0
60"		92.5	120.0	100.0

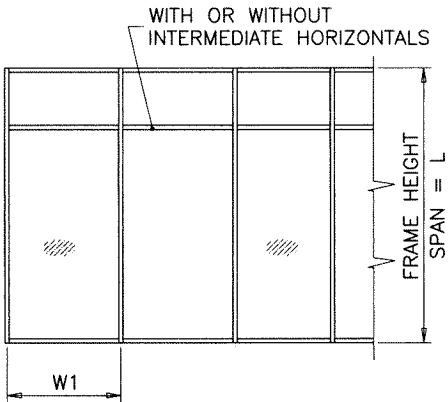
JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZONTALS				
NOMINAL DIMS.		JAMB 'J3'	JAMB 'J4'	JAMB 'J5'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	144"	120.0	120.0	119.0
39"		120.0	120.0	119.0
42"		120.0	120.0	119.0
45"		120.0	120.0	100.0
48"		114.4	120.0	100.0
51"		99.5	120.0	100.0
54"		93.9	120.0	100.0
57"		89.0	120.0	100.0
60"		84.5	120.0	100.0
36"	147"	100.0	120.0	119.0
39"		100.0	120.0	119.0
42"		100.0	120.0	119.0
45"		100.0	120.0	100.0
48"		100.0	120.0	100.0
51"		95.2	120.0	100.0
54"		89.9	120.0	100.0
57"		85.2	120.0	100.0
60"		80.9	117.5	100.0
36"	150"	100.0	120.0	100.0
39"		100.0	120.0	100.0
42"		100.0	120.0	100.0
45"		100.0	120.0	100.0
48"		96.9	120.0	100.0
51"		91.2	120.0	100.0
54"		86.1	120.0	100.0
57"		81.6	120.0	100.0
60"		77.5	117.5	100.0
36"	156"	50.0	120.0	100.0
39"		50.0	120.0	100.0
42"		50.0	120.0	100.0
45"		50.0	120.0	100.0
48"		50.0	120.0	100.0
51"		50.0	120.0	100.0
54"		50.0	116.1	100.0
57"		50.0	110.0	100.0
60"		50.0	104.5	100.0
36"	159"	50.0	120.0	75.0
39"		50.0	120.0	75.0
42"		50.0	120.0	75.0
45"		50.0	113.5	75.0
48"		50.0	106.4	50.0
51"		50.0	100.2	50.0
54"		50.0	94.6	50.0
57"		50.0	89.6	50.0
60"		50.0	50.0	50.0
36"	168"	50.0	120.0	70.0
39"		50.0	120.0	70.0
42"		50.0	120.0	70.0
45"		50.0	113.5	70.0
48"		50.0	106.4	70.0
51"		50.0	100.2	50.0
54"		50.0	94.6	50.0
57"		50.0	89.6	50.0
60"		50.0	50.0	50.0

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZONTALS				
NOMINAL DIMS.		JAMB 'J3'	JAMB 'J4'	JAMB 'J5'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	180"	50.0	113.3	70.0
39"		50.0	104.6	70.0
42"		50.0	97.1	70.0
45"		50.0	90.7	70.0
48"		50.0	85.0	70.0
51"		50.0	80.0	50.0
54"		50.0	75.6	50.0
57"		47.9	50.0	50.0
60"		45.5	50.0	50.0
36"	184-1/4"	50.0	50.0	70.0
39"		50.0	50.0	70.0
42"		50.0	50.0	70.0
45"		50.0	50.0	70.0
48"		50.0	50.0	70.0
51"		50.0	50.0	50.0
54"		47.2	50.0	50.0
57"		44.7	50.0	50.0
60"		42.5	50.0	50.0
36"	192"	50.0	50.0	50.0
39"		50.0	50.0	50.0
42"		50.0	50.0	50.0
45"		49.9	50.0	50.0
48"		46.8	50.0	50.0
51"		44.1	50.0	50.0
54"		41.6	50.0	50.0
57"		39.4	50.0	50.0
60"		37.5	50.0	50.0
36"	196-3/4"	50.0	50.0	50.0
39"		50.0	50.0	50.0
42"		49.7	50.0	50.0
45"		46.4	50.0	50.0
48"		43.5	50.0	50.0
51"		41.0	50.0	50.0
54"		38.7	50.0	50.0
57"		36.6	50.0	50.0
60"		34.8	50.0	50.0

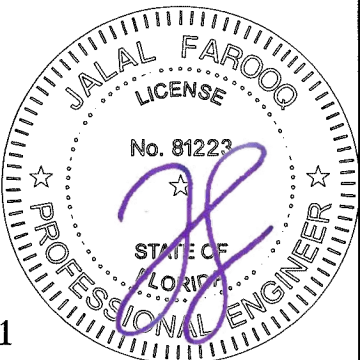
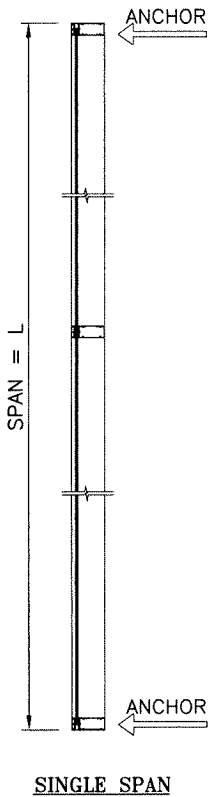
ES-7525-004		ES-7525-008		ES-7525-004	
JAMB 'J3'		JAMB 'J4'		JAMB 'J5'	
Ix IN ⁴	Sx IN ³	Ix IN ⁴	Sx IN ³	Ix IN ⁴	Sx IN ³
12.8176	3.7763	19.1717	5.6484	12.8175	3.7763
ALUMINUM		STEEL		TOTAL	
				Ix ALUM + Ix STL X 2.9	
				25.8386	

REINF. LENGTH = MULL LENGTH-6"

JAMBS 'J3 AND 'J4' RATED FOR LEVEL 'E' IMPACT



WIDTH (W) = W1
AT FRAME JAMB



Sealed: 10/1/2026

FL #27101

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 18-56F-MG

SERIES MG-7000 ALUM CURTAIN 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: 05-08-18

scale: -

dr. by: TARIQ

chk. by:

drawing no.

18-56F

Sheet 6.1 of 30

MULLION LOAD CAPACITY - PSF				
SINGLE SPANS WITH OR WITHOUT INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		MULLION 'M1'	MULLION 'M2'	MULLION 'M1B'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	96"	100.0	100.0	100.0
39"		100.0	100.0	100.0
42"		100.0	100.0	100.0
45"		100.0	100.0	100.0
48"		100.0	100.0	100.0
51"		100.0	100.0	100.0
54"		98.4	100.0	100.0
57"		93.2	100.0	100.0
60"		88.5	99.5	100.0
36"	99-3/4"	100.0	100.0	100.0
39"		100.0	100.0	100.0
42"		100.0	100.0	100.0
45"		100.0	100.0	100.0
48"		100.0	100.0	100.0
51"		96.1	100.0	100.0
54"		90.8	100.0	100.0
57"		86.0	96.7	100.0
60"		81.7	91.8	100.0
36"	102"	100.0	100.0	100.0
39"		100.0	100.0	100.0
42"		100.0	100.0	100.0
45"		100.0	100.0	100.0
48"		97.5	100.0	100.0
51"		91.7	100.0	100.0
54"		86.6	97.4	100.0
57"		82.1	92.2	100.0
60"		78.0	87.6	100.0
36"	108"	100.0	100.0	100.0
39"		100.0	100.0	100.0
42"		98.8	100.0	100.0
45"		92.2	100.0	100.0
48"		86.5	97.1	100.0
51"		81.4	91.4	100.0
54"		76.9	86.3	100.0
57"		72.8	81.8	100.0
60"		69.2	77.7	100.0
36"	110-1/2"	100.0	100.0	100.0
39"		94.7	100.0	100.0
42"		88.0	99.0	100.0
45"		82.1	92.4	100.0
48"		77.0	86.7	100.0
51"		72.4	81.6	100.0
54"		68.4	77.0	100.0
57"		64.8	73.0	100.0
60"		61.6	69.3	100.0
36"	114"	100.0	100.0	100.0
39"		94.7	100.0	100.0
42"		88.0	99.0	100.0
45"		82.1	92.4	100.0
48"		77.0	86.7	100.0
51"		72.4	81.6	100.0
54"		68.4	77.0	100.0
57"		64.8	73.0	100.0
60"		61.6	69.3	100.0

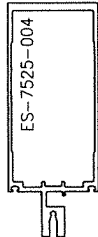
MULLION LOAD CAPACITY - PSF				
SINGLE SPANS WITH OR WITHOUT INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		MULLION 'M1'	MULLION 'M2'	MULLION 'M1B'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	120"	88.0	100.0	100.0
39"		81.2	95.7	100.0
42"		75.4	88.9	100.0
45"		70.4	82.9	100.0
48"		66.0	77.8	100.0
51"		-	73.2	100.0
54"		-	69.1	100.0
57"		-	65.5	100.0
60"		-	62.2	100.0
36"	126"	76.0	93.5	100.0
39"		70.2	86.3	100.0
42"		65.1	80.2	100.0
45"		60.8	74.8	100.0
48"		-	70.1	100.0
51"		-	66.0	100.0
54"		-	62.3	100.0
57"		-	59.1	100.0
60"		-	56.1	98.6
36"	132"	66.1	84.7	100.0
39"		61.0	78.2	100.0
42"		56.7	72.6	100.0
45"		52.9	67.8	100.0
48"		-	63.6	100.0
51"		-	59.8	100.0
54"		-	56.5	99.8
57"		-	53.5	94.6
60"		-	50.8	89.8
36"	138"	57.8	77.1	100.0
39"		53.4	71.2	100.0
42"		49.6	66.1	100.0
45"		-	61.7	100.0
48"		-	57.8	100.0
51"		-	54.4	96.7
54"		-	51.4	91.3
57"		-	48.7	86.5
60"		-	46.3	82.2
36"	144"	50.9	70.4	100.0
39"		47.0	65.0	100.0
42"		-	60.4	100.0
45"		-	56.4	100.0
48"		-	52.8	94.4
51"		-	49.7	88.8
54"		-	47.0	83.9
57"		-	44.5	79.5
60"		-	42.3	-
36"	147"	47.9	67.4	100.0
39"		44.2	62.2	100.0
42"		-	57.8	100.0
45"		-	53.9	94.8
48"		-	50.6	88.9
51"		-	47.6	83.7
54"		-	44.9	79.0
57"		-	42.6	-
60"		-	40.5	-

MULLION LOAD CAPACITY - PSF				
SINGLE SPANS WITH OR WITHOUT INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		MULLION 'M1'	MULLION 'M2'	MULLION 'M1B'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	150"	45.0	64.6	100.0
39"		41.6	59.6	100.0
42"		-	55.4	95.6
45"		-	51.7	89.2
48"		-	48.4	83.7
51"		-	45.6	78.7
54"		-	43.1	74.4
57"		-	40.8	-
60"		-	38.7	-



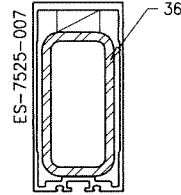
MULLION 'M1'

Ix IN^4	Sx IN^3
8.8201	3.3166



MULLION 'M2'

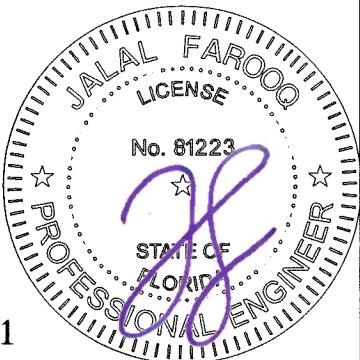
Ix IN^4	Sx IN^3
12.8176	3.7763



MULLION 'M1B'

	Ix IN^4	Sx IN^3
ALUMINUM	8.8201	3.3166
STEEL	4.4900	2.2500
TOTAL	12.8176	3.7763
Ix ALUM + Ix STL X 2.9	21.8411	

REINF. LENGTH = MULL LENGTH-6"



Sealed: 10/1/2026

FL #27101



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-7000 ALUM CURTAIN 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: 05-08-18

scale: -

dr. by: TARIQ

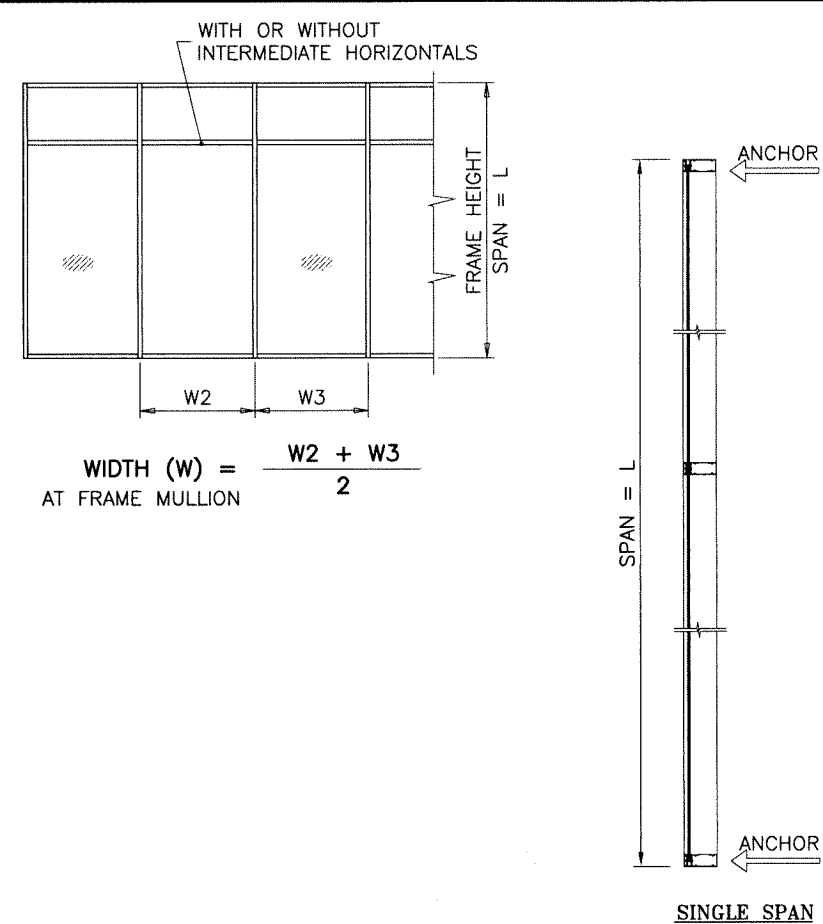
chk. by:

drawing no.

18-56F

sheet 7 of 30

MULLION LOAD CAPACITY - PSF SINGLE SPANS WITH OR WITHOUT INTERMEDIATE HORIZONTALS				MULLION LOAD CAPACITY - PSF SINGLE SPANS WITH OR WITHOUT INTERMEDIATE HORIZONTALS				MULLION LOAD CAPACITY - PSF SINGLE SPANS WITH OR WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M1C'	NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M1C'	NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M1C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	96"	130.0	130.0	36"	120"	120.0	120.0	36"	150"	77.5	120.0
39"		130.0	130.0	39"		120.0	120.0	39"		71.5	120.0
42"		130.0	130.0	42"		120.0	120.0	42"		66.4	120.0
45"		130.0	130.0	45"		120.0	120.0	45"		62.0	120.0
48"		130.0	130.0	48"		113.5	120.0	48"		58.1	120.0
51"		130.0	130.0	51"		106.8	120.0	51"		-	120.0
54"		130.0	130.0	54"		100.9	120.0	54"		-	116.8
57"		130.0	130.0	57"		95.6	120.0	57"		-	110.7
60"		130.0	130.0	60"		90.8	120.0	60"		-	105.2
36"	99-3/4"	130.0	130.0	36"	126"	120.0	120.0	36"	156"	-	120.0
39"		130.0	130.0	39"		120.0	120.0	39"		-	120.0
42"		130.0	130.0	42"		112.1	120.0	42"		-	120.0
45"		130.0	130.0	45"		104.6	120.0	45"		-	120.0
48"		130.0	130.0	48"		98.1	120.0	48"		-	116.9
51"		130.0	130.0	51"		92.3	120.0	51"		-	110.0
54"		130.0	130.0	54"		87.2	120.0	54"		-	103.9
57"		130.0	130.0	57"		82.6	120.0	57"		-	98.4
60"		130.0	130.0	60"		-	120.0	60"		-	93.5
36"	102"	130.0	130.0	36"	132"	113.7	120.0	36"	168"	-	120.0
39"		130.0	130.0	39"		105.0	120.0	39"		-	117.2
42"		130.0	130.0	42"		97.5	120.0	42"		-	108.8
45"		130.0	130.0	45"		91.0	120.0	45"		-	101.6
48"		130.0	130.0	48"		85.3	120.0	48"		-	95.2
51"		130.0	130.0	51"		80.3	120.0	51"		-	89.6
54"		130.0	130.0	54"		75.8	120.0	54"		-	84.7
57"		130.0	130.0	57"		-	120.0	57"		-	80.2
60"		130.0	130.0	60"		-	120.0	60"		-	101.4
36"	108"	130.0	130.0	36"	138"	99.5	120.0	36"	180"	-	93.6
39"		130.0	130.0	39"		91.9	120.0	39"		-	86.9
42"		130.0	130.0	42"		85.3	120.0	42"		-	81.1
45"		130.0	130.0	45"		79.6	120.0	45"		-	76.1
48"		130.0	130.0	48"		74.6	120.0	48"		-	71.6
51"		130.0	130.0	51"		70.3	120.0	51"		-	67.6
54"		130.0	130.0	54"		66.4	120.0	54"		-	-
57"		130.0	130.0	57"		-	120.0	57"		-	-
60"		124.6	130.0	60"		-	120.0	60"		-	-
36"	110-1/2"	130.0	130.0	36"	144"	87.6	120.0	36"	180"	-	101.4
39"		130.0	130.0	39"		80.9	120.0	39"		-	93.6
42"		130.0	130.0	42"		75.1	120.0	42"		-	86.9
45"		130.0	130.0	45"		70.1	120.0	45"		-	81.1
48"		130.0	130.0	48"		65.7	120.0	48"		-	76.1
51"		130.0	130.0	51"		61.8	120.0	51"		-	71.6
54"		129.2	130.0	54"		-	120.0	54"		-	67.6
57"		122.4	130.0	57"		-	120.0	57"		-	-
60"		116.3	130.0	60"		-	118.9	60"		-	-
36"	114"	120.0	120.0	36"	147"	82.3	120.0	36"	180"	-	101.4
39"		120.0	120.0	39"		76.0	120.0	39"		-	93.6
42"		120.0	120.0	42"		70.6	120.0	42"		-	86.9
45"		120.0	120.0	45"		65.9	120.0	45"		-	81.1
48"		120.0	120.0	48"		61.8	120.0	48"		-	76.1
51"		120.0	120.0	51"		-	120.0	51"		-	71.6
54"		117.7	120.0	54"		-	116.8	54"		-	67.6
57"		111.5	120.0	57"		-	110.7	57"		-	-
60"		105.9	120.0	60"		-	105.2	60"		-	-



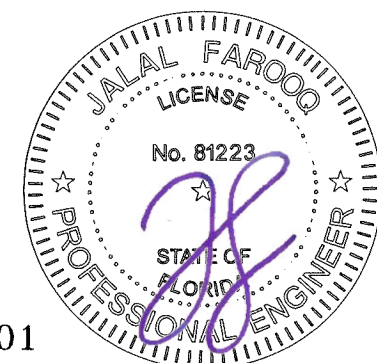
ES-7525-007		ES-7525-008	
MULLION 'M1A'		MULLION 'M1C'	
Ix IN ⁴	Sx IN ³	Ix IN ⁴	Sx IN ³
15.1742	5.7059	15.1742	5.7059
ALUMINUM		STEEL	
TOTAL		Ix ALUM + Ix STL X 2.9	
-		-	

REINF. LENGTH = MULL LENGTH-6"

MULLIONS 'M1A' AND 'M1C' RATED FOR
LEVEL 'E' IMPACT

Sealed: 10/1/2026

FL #27101



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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revisions:

no	date	by	description

date: 05-08-18

scale: -

dr. by: TARIQ

chk. by: -

drawing no.
18-56F

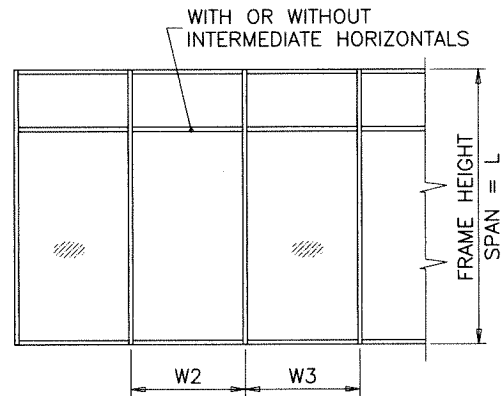
sheet 7.1 of 30

MULLION LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZONTALS				
NOMINAL DIMS.		MULLION 'M2A'	MULLION 'M2B'	MULLION 'M2C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	108"	130.0	120.0	130.0
39"		130.0	120.0	130.0
42"		130.0	120.0	130.0
45"		130.0	120.0	130.0
48"		130.0	120.0	130.0
51"		130.0	120.0	130.0
54"		130.0	120.0	130.0
57"		130.0	120.0	130.0
60"		124.2	120.0	130.0
66"		-	120.0	-
72"		-	120.0	-
36"	110-1/2"	130.0	120.0	130.0
39"		130.0	120.0	130.0
42"		130.0	120.0	130.0
45"		130.0	120.0	130.0
48"		130.0	120.0	130.0
51"		130.0	120.0	130.0
54"		130.0	120.0	130.0
57"		124.7	120.0	130.0
60"		118.5	120.0	130.0
66"		-	120.0	-
72"		-	120.0	-
36"	114"	120.0	120.0	120.0
39"		120.0	120.0	120.0
42"		120.0	120.0	120.0
45"		120.0	120.0	120.0
48"		120.0	120.0	120.0
51"		120.0	120.0	120.0
54"		120.0	120.0	120.0
57"		116.9	120.0	120.0
60"		111.1	120.0	120.0
66"		-	120.0	-
72"		-	116.5	-
36"	120"	120.0	120.0	120.0
39"		120.0	120.0	120.0
42"		120.0	120.0	120.0
45"		120.0	120.0	120.0
48"		120.0	120.0	120.0
51"		117.5	120.0	120.0
54"		111.0	120.0	120.0
57"		105.2	120.0	120.0
60"		91.8	120.0	120.0
66"		-	114.0	-
72"		-	104.5	-
36"	126"	120.0	120.0	120.0
39"		120.0	120.0	120.0
42"		120.0	120.0	120.0
45"		120.0	120.0	120.0
48"		112.9	120.0	120.0
51"		106.2	120.0	120.0
54"		100.3	120.0	120.0
57"		87.1	119.1	120.0
60"		82.8	113.1	120.0
66"		-	102.8	-
72"		-	94.3	-

MULLION LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZONTALS				
NOMINAL DIMS.		MULLION 'M2A'	MULLION 'M2B'	MULLION 'M2C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	128"	120.0	120.0	120.0
39"		120.0	120.0	120.0
42"		117.1	120.0	120.0
45"		109.3	120.0	120.0
48"		102.5	120.0	120.0
51"		96.5	120.0	120.0
54"		83.3	120.0	120.0
57"		78.9	115.2	120.0
60"		75.0	109.4	120.0
66"		-	99.5	-
71-1/8"		-	92.3	-
36"	132"	120.0	119.0	120.0
39"		120.0	119.0	120.0
42"		117.1	119.0	120.0
45"		109.3	100.0	120.0
48"		102.5	100.0	120.0
51"		96.5	100.0	120.0
54"		83.3	100.0	120.0
57"		78.9	100.0	120.0
60"		75.0	100.0	120.0
36"	138"	120.0	119.0	120.0
39"		115.0	119.0	120.0
42"		106.8	119.0	120.0
45"		99.7	100.0	120.0
48"		93.5	100.0	120.0
51"		80.2	100.0	120.0
54"		75.8	100.0	120.0
57"		71.8	98.2	120.0
60"		68.2	93.3	120.0
36"	144"	110.7	119.0	120.0
39"		102.2	119.0	120.0
42"		94.9	119.0	120.0
45"		88.5	100.0	120.0
48"		83.0	100.0	120.0
51"		73.3	100.0	120.0
54"		69.2	94.7	120.0
57"		65.6	89.7	120.0
60"		62.3	85.2	120.0
36"	147"	99.3	119.0	120.0
39"		91.7	119.0	120.0
42"		85.1	116.5	120.0
45"		79.5	100.0	120.0
48"		74.5	100.0	120.0
51"		70.1	95.9	120.0
54"		66.2	90.6	120.0
57"		62.7	85.8	120.0
60"		59.6	81.5	120.0
36"	150"	95.1	100.0	120.0
39"		87.8	100.0	120.0
42"		81.5	100.0	120.0
45"		76.1	100.0	120.0
48"		71.3	97.6	120.0
51"		67.2	91.9	120.0
54"		63.4	86.8	120.0
57"		60.1	82.2	120.0
60"		57.1	78.1	117.4

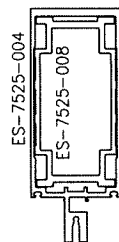
MULLION LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZONTALS				
NOMINAL DIMS.		MULLION 'M2A'	MULLION 'M2B'	MULLION 'M2C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	156"	87.0	75.0	120.0
39"		80.4	75.0	120.0
42"		74.6	75.0	120.0
45"		69.6	75.0	120.0
48"		65.3	50.0	120.0
51"		61.4	50.0	120.0
54"		58.0	50.0	116.0
57"		55.0	50.0	109.9
60"		52.2	50.0	104.4
36"	159"	82.2	75.0	120.0
39"		75.9	75.0	120.0
42"		70.5	75.0	120.0
45"		65.8	75.0	113.4
48"		61.7	50.0	106.3
51"		58.0	50.0	100.1
54"		54.8	50.0	94.5
57"		51.9	50.0	89.5
60"		49.3	50.0	-
36"	168"	69.7	70.0	120.0
39"		64.3	70.0	120.0
42"		59.7	70.0	120.0
45"		55.8	70.0	113.4
48"		52.3	70.0	106.3
51"		49.2	50.0	100.1
54"		46.5	50.0	94.5
57"		44.0	50.0	89.5
60"		41.8	50.0	-
36"	180"	56.7	70.0	113.2
39"		52.3	70.0	104.5
42"		48.6	70.0	97.1
45"		45.3	70.0	90.6
48"		42.5	57.3	84.9
51"		40.0	50.0	79.9
54"		37.8	50.0	75.5
57"		35.8	50.0	-
60"		34.0	50.0	-
36"	184-1/8"	52.9	70.0	-
39"		48.9	70.0	-
42"		45.4	70.0	-
45"		42.4	57.1	-
48"		39.7	53.5	-
51"		37.4	50.0	-
54"		35.3	50.0	-
57"		33.4	50.0	-
60"		31.8	50.0	-
36"	192"	46.7	50.0	-
39"		43.1	50.0	-
42"		40.0	50.0	-
45"		37.4	50.0	-
48"		35.0	50.0	-
51"		33.0	50.0	-
54"		31.1	50.0	-
57"		29.5	39.7	-
60"		28.0	37.8	-

MULLION LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZONTALS				
NOMINAL DIMS.		MULLION 'M2A'	MULLION 'M2B'	MULLION 'M2C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	196-3/4"	43.4	50.0	-
39"		40.1	50.0	-
42"		37.2	50.0	-
45"		34.7	50.0	-
48"		32.5	50.0	-
51"		30.6	50.0	-
54"		28.9	50.0	-
57"		27.4	36.9	-
60"		26.0	35.1	-

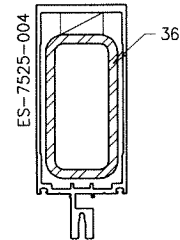


$$\text{WIDTH (W)} = \frac{W2 + W3}{2}$$

AT FRAME MULLION

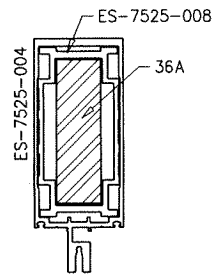


MULLION 'M2A'	
Ix IN ⁴	Sx IN ³
19.1717	5.6484



MULLION 'M2B'

	Ix IN ⁴	Sx IN ³
ALUMINUM	12.8175	3.7763
STEEL	4.4900	2.2500
TOTAL	25.8386	
Ix ALUM + Ix STL X 2.9		



MULLION 'M2C'

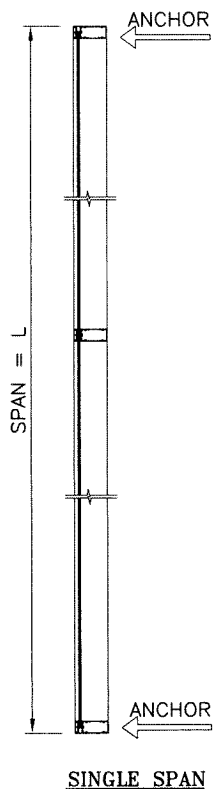
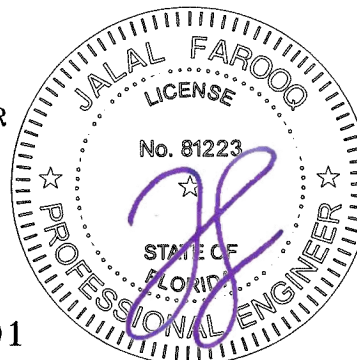
	Ix IN ⁴	Sx IN ³
ALUMINUM	19.1717	5.6484
STEEL	-	-
TOTAL	-	-
Ix ALUM + Ix STL X 2.9		

$$\text{REINF. LENGTH} = \text{MULL LENGTH} - 6"$$

MULLIONS 'M2A' AND 'M2C' RATED FOR
LEVEL 'E' IMPACT

Sealed: 10/1/2026

FL #27101



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 18-56F-MG

SERIES MG-7000 ALUM CURTAIN 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

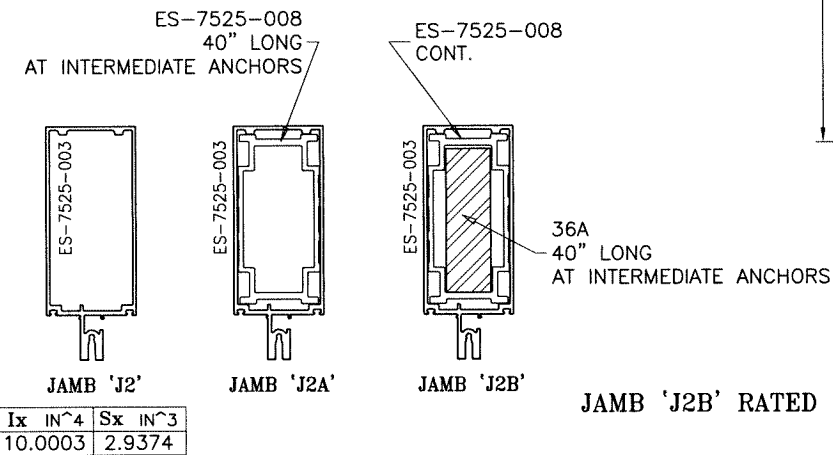
date: 05-08-18
scale: -
dr. by: TARIQ
chk. by:

drawing no.
18-56F
sheet 7.2 of 30

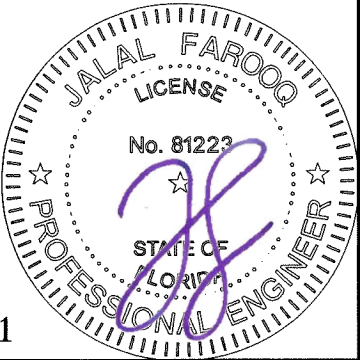
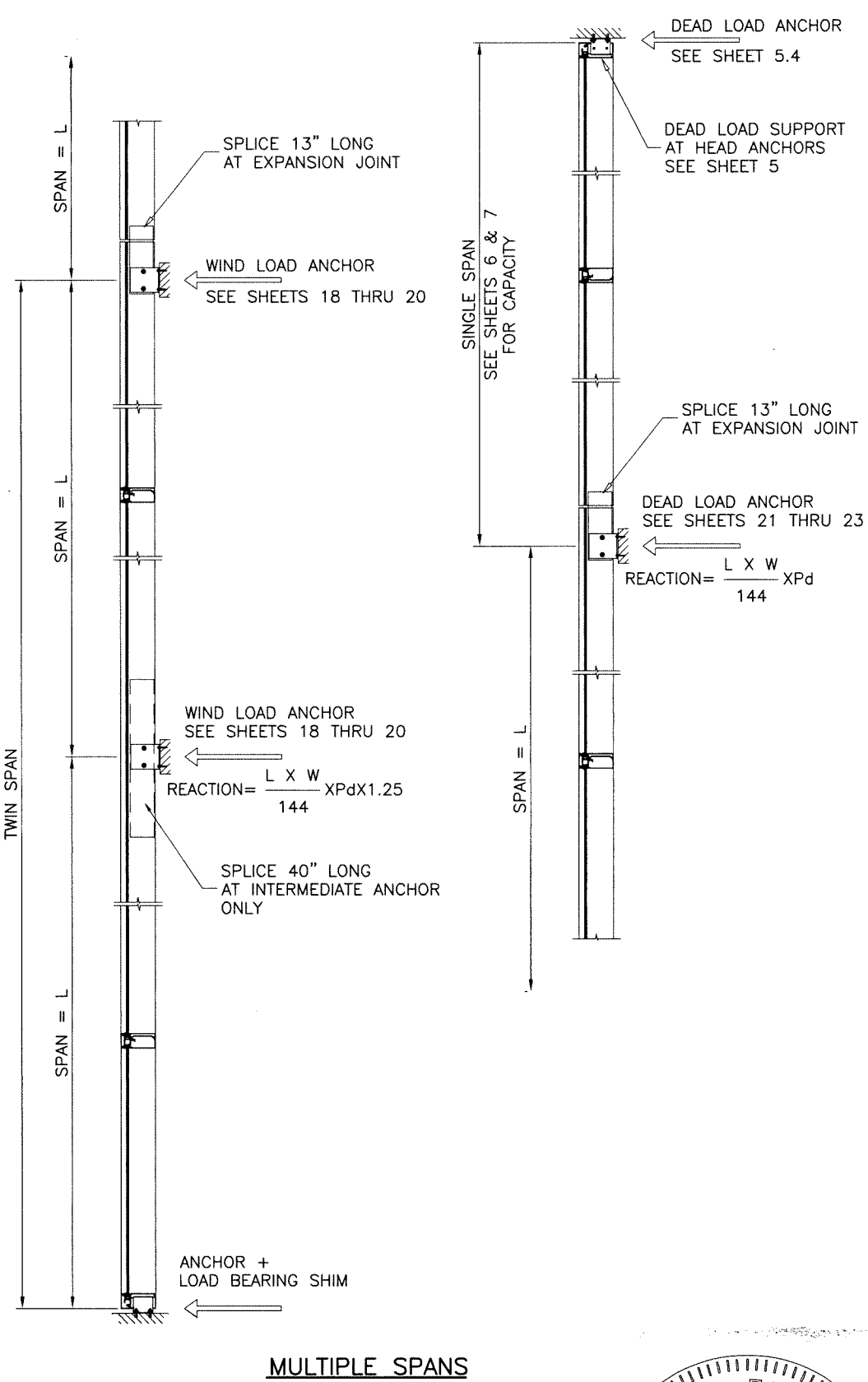
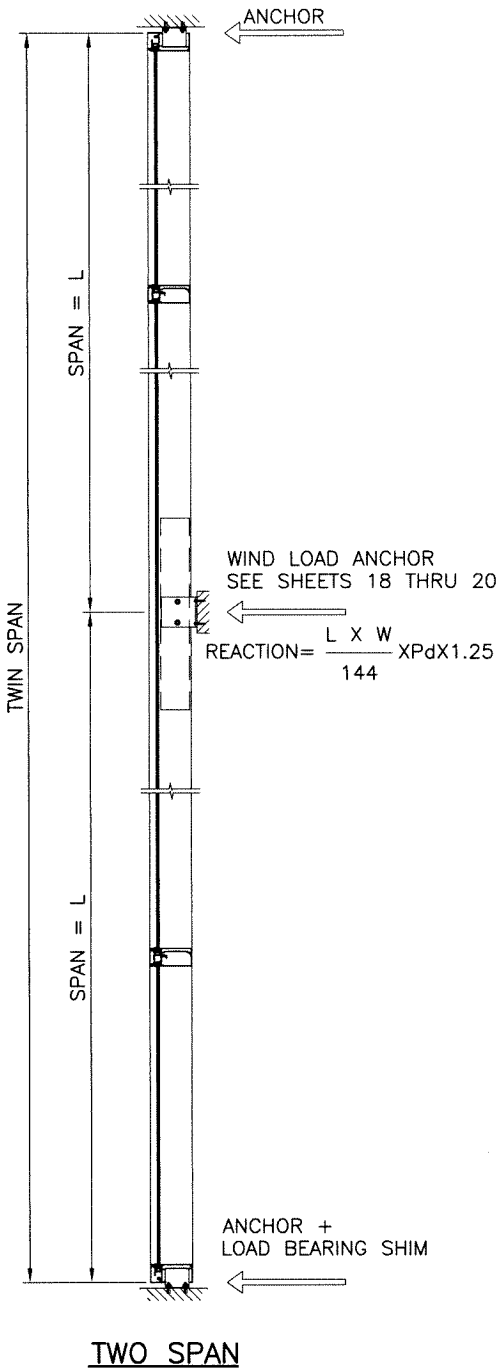
JAMB LOAD CAPACITY - PSF TWIN SPANS		
NOMINAL DIMS.		JAMB 'J2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	114"	100.0
40"		100.0
42"		100.0
48"		100.0
50"		100.0
54"		100.0
60"		100.0
36"	120"	100.0
40"		100.0
42"		100.0
48"		100.0
50"		100.0
54"		100.0
60"		98.8
36"	126"	100.0
40"		100.0
42"		100.0
48"		100.0
50"		100.0
54"		99.1
60"		89.2
36"	132"	100.0
40"		100.0
42"		100.0
48"		100.0
50"		97.0
54"		89.8
60"		80.8
36"	138"	100.0
40"		100.0
42"		100.0
48"		92.0
50"		88.3
54"		81.8
60"		73.6
36"	144"	100.0
40"		100.0
42"		96.1
48"		84.1
50"		80.7
54"		74.8
60"		67.3
36"	147"	100.0
40"		96.6
42"		92.0
48"		80.5
50"		77.3
54"		71.6
36"	150"	100.0
40"		92.6
42"		88.2
48"		77.1
50"		74.1
54"		68.6

JAMB LOAD CAPACITY - PSF TWIN SPANS		
NOMINAL DIMS.		JAMB 'J2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
60"	108"	120.0
66"		120.0
72"		120.0
78"		120.0
84"		120.0
90"		120.0
60"	114"	120.0
66"		120.0
72"		120.0
78"		120.0
84"		120.0
90"		117.7
60"	120"	120.0
66"		120.0
72"		120.0
78"		120.0
84"		113.2
90"		105.6
60"	126"	120.0
66"		120.0
72"		119.1
78"		109.9
84"		102.1
90"		95.3
60"	130"	120.0
66"		120.0
72"		111.5
78"		102.9
84"		95.5
90"		89.3
48"	144"	100.0
50"		100.0
54"		100.0
60"		100.0
48"	150"	100.0
50"		100.0
54"		100.0

JAMB LOAD CAPACITY - PSF TWIN SPANS		
NOMINAL DIMS.		JAMB 'J2B'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
48"	180"	130.0
50"		130.0
54"		130.0
60"		130.0



JAMB 'J2B' RATED FOR LEVEL 'E' IMPACT



NOTE:
THIS TABLE IS APPLICABLE FOR TWIN SPANS
FOR SINGLE SPAN CAPACITY SEE TABLES ON SHEETS 6 & 7.

Sealed: 10/1/2026

FL #27101

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 18-56F-MG

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
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revisions:	
no.	date by description

date: 05-08-18

scale: -

dr. by: TARIQ

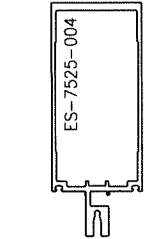
chk. by:

drawing no.
18-56F

sheet 8 of 30

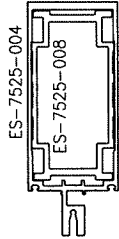
JAMB LOAD CAPACITY - PSF TWIN SPANS				
NOMINAL DIMS.		JAMB 'J3'	JAMB 'J4'	JAMB 'J5'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	132"	100.0	119.0	119.0
39"		100.0	119.0	119.0
42"		100.0	119.0	119.0
45"		100.0	100.0	100.0
48"		100.0	100.0	100.0
51"		100.0	100.0	100.0
54"		100.0	100.0	100.0
57"		100.0	100.0	100.0
60"		100.0	100.0	100.0
36"	138"	100.0	119.0	119.0
39"		100.0	119.0	119.0
42"		100.0	119.0	119.0
45"		100.0	100.0	100.0
48"		100.0	100.0	100.0
51"		100.0	100.0	100.0
54"		100.0	100.0	100.0
57"		97.4	100.0	100.0
60"		92.5	100.0	100.0
36"	144"	100.0	119.0	119.0
39"		100.0	119.0	119.0
42"		100.0	119.0	119.0
45"		100.0	100.0	100.0
48"		100.0	100.0	100.0
51"		99.5	100.0	100.0
54"		93.9	100.0	100.0
57"		89.0	100.0	100.0
60"		84.5	100.0	100.0
36"	147"	100.0	119.0	119.0
39"		100.0	119.0	119.0
42"		100.0	119.0	119.0
45"		100.0	100.0	100.0
48"		100.0	100.0	100.0
51"		95.2	100.0	100.0
54"		89.9	100.0	100.0
57"		85.2	100.0	100.0
60"		80.9	100.0	100.0
36"	150"	100.0	100.0	100.0
39"		100.0	100.0	100.0
42"		100.0	100.0	100.0
45"		100.0	100.0	100.0
48"		96.9	100.0	100.0
51"		91.2	100.0	100.0
54"		86.1	100.0	100.0
57"		81.6	100.0	100.0
60"		77.5	100.0	100.0
36"	156"	50.0	50.0	100.0
39"		50.0	50.0	100.0
42"		50.0	50.0	100.0
45"		50.0	50.0	100.0
48"		50.0	50.0	100.0
51"		50.0	50.0	100.0
54"		50.0	50.0	100.0
57"		50.0	50.0	100.0
60"		50.0	50.0	100.0

JAMB LOAD CAPACITY - PSF TWIN SPANS				
NOMINAL DIMS.		JAMB 'J3'	JAMB 'J4'	JAMB 'J5'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	159"	50.0	50.0	75.0
39"		50.0	50.0	75.0
42"		50.0	50.0	75.0
45"		50.0	50.0	75.0
48"		50.0	50.0	50.0
51"		50.0	50.0	50.0
54"		50.0	50.0	50.0
57"		50.0	50.0	50.0
60"		50.0	50.0	50.0
36"	168"	50.0	50.0	70.0
39"		50.0	50.0	70.0
42"		50.0	50.0	70.0
45"		50.0	50.0	70.0
48"		50.0	50.0	70.0
51"		50.0	50.0	50.0
54"		50.0	50.0	50.0
57"		50.0	50.0	50.0
60"		50.0	50.0	50.0
36"	180"	50.0	50.0	70.0
39"		50.0	50.0	70.0
42"		50.0	50.0	70.0
45"		50.0	50.0	70.0
48"		50.0	50.0	70.0
51"		50.0	50.0	50.0
54"		50.0	50.0	50.0
57"		50.0	50.0	50.0
60"		50.0	50.0	50.0
36"	184-1/4"	50.0	50.0	70.0
39"		50.0	50.0	70.0
42"		50.0	50.0	70.0
45"		50.0	50.0	70.0
48"		50.0	50.0	70.0
51"		50.0	50.0	50.0
54"		50.0	50.0	50.0
57"		50.0	50.0	50.0
60"		50.0	50.0	50.0
36"	192"	50.0	50.0	50.0
39"		50.0	50.0	50.0
42"		50.0	50.0	50.0
45"		50.0	50.0	50.0
48"		50.0	50.0	50.0
51"		50.0	50.0	50.0
54"		50.0	50.0	50.0
57"		49.4	50.0	50.0
60"		47.0	50.0	50.0
36"	196-3/4"	50.0	50.0	50.0
39"		50.0	50.0	50.0
42"		50.0	50.0	50.0
45"		50.0	50.0	50.0
48"		50.0	50.0	50.0
51"		50.0	50.0	50.0
54"		49.7	50.0	50.0
57"		47.1	50.0	50.0
60"		44.7	50.0	50.0



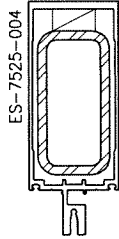
JAMB 'J3'

Ix IN^4	Sx IN^3
12.8176	3.7763



JAMB 'J4'

Ix IN^4	Sx IN^3
19.1717	5.6484



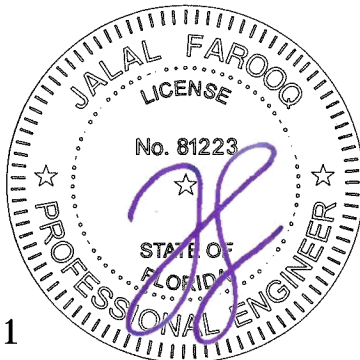
JAMB 'J5'

ALUMINUM	Ix IN^4	Sx IN^3
STEEL	12.8175	3.7763
TOTAL	4.4900	2.2500
Ix ALUM + Ix STL X 2.9	25.8386	

REINF. LENGTH = MULL LENGTH-6"

Sealed: 10/1/2026

FL #27101



SERIES MG-7000 ALUM CURTAIN 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

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)

Revisions:

date: 05-08-18

scale: -

dr. by: TARIQ

chk. by:

drawing no.

18-56F

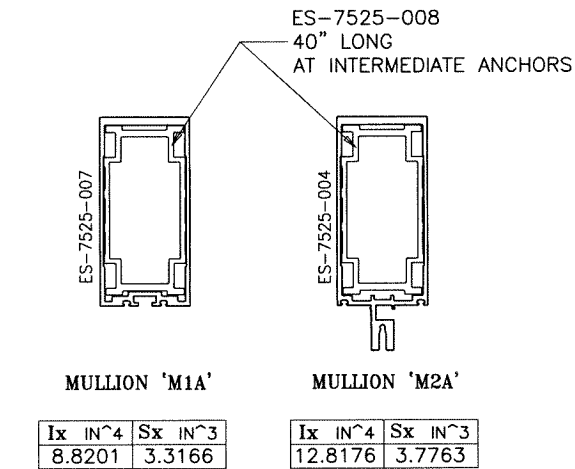
sheet 8.1 of 30

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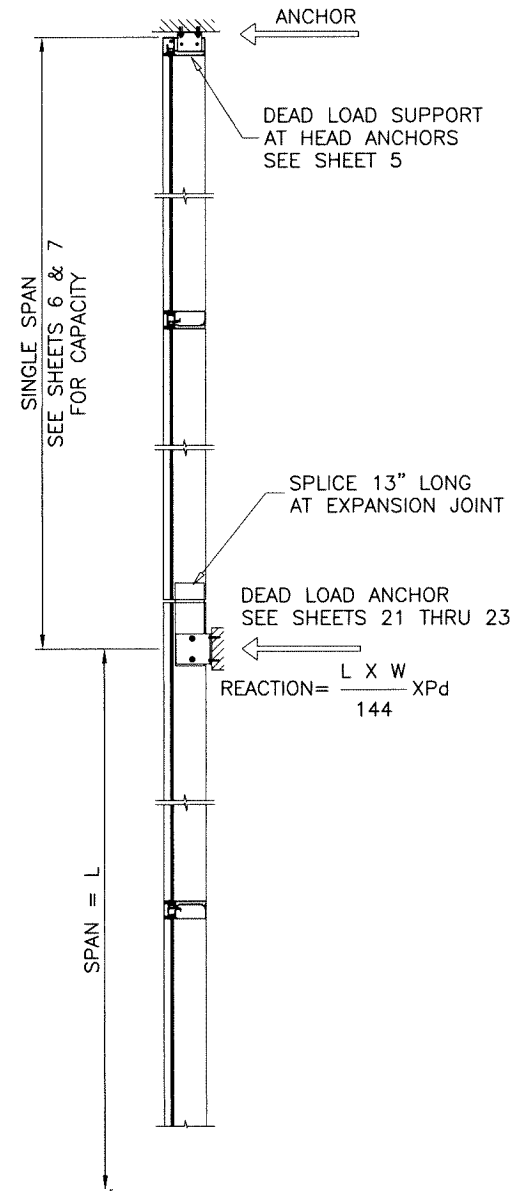
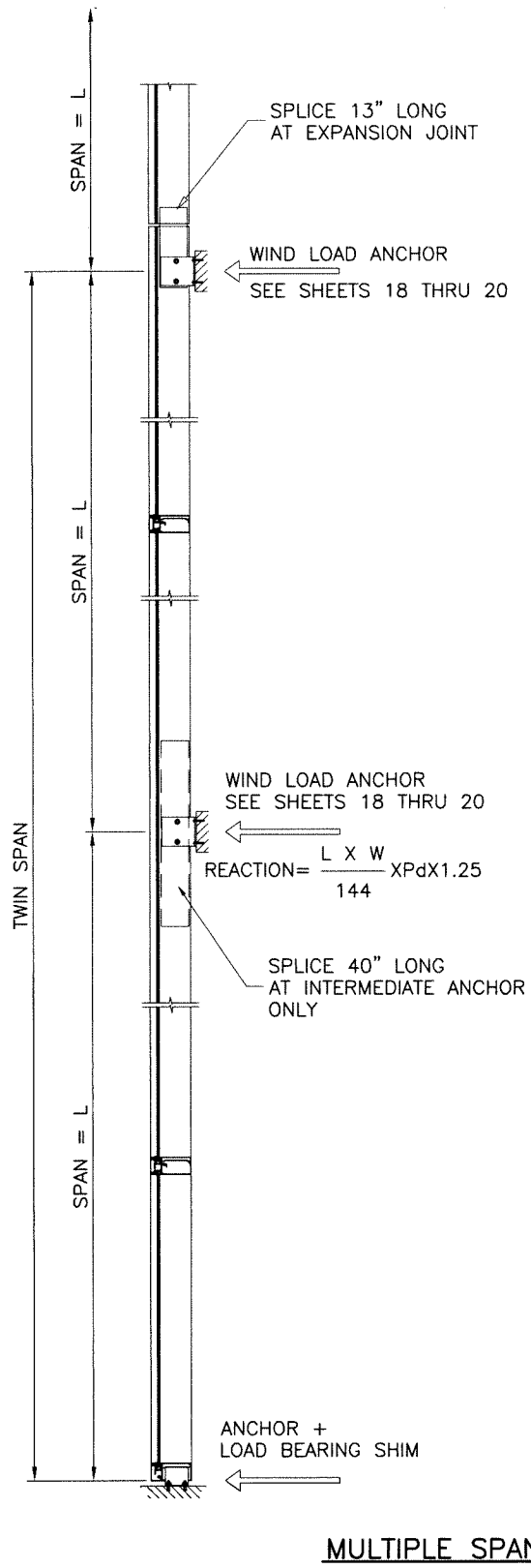
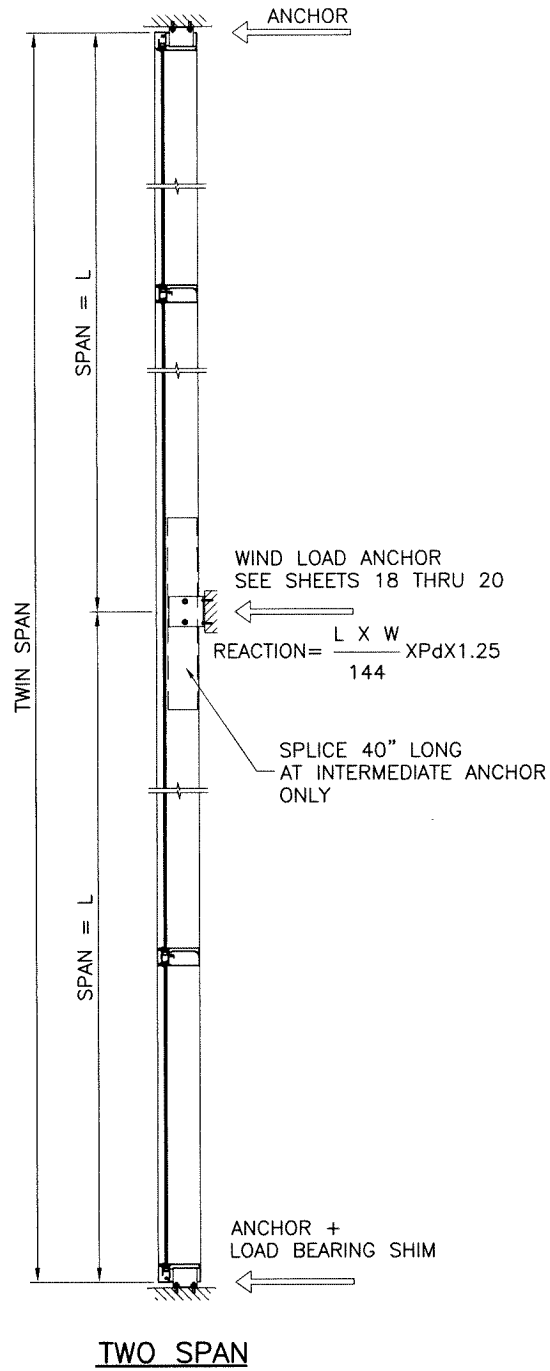
MULLION LOAD CAPACITY - PSF TWIN SPANS			
NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	114"	100.0	100.0
39"		100.0	100.0
42"		100.0	100.0
45"		100.0	100.0
48"		100.0	100.0
51"		100.0	100.0
54"		100.0	100.0
60"		100.0	100.0
36"	120"	100.0	100.0
39"		100.0	100.0
42"		100.0	100.0
45"		100.0	100.0
48"		100.0	100.0
51"		-	100.0
54"		-	100.0
57"		-	96.6
60"		-	91.8
36"	126"	100.0	100.0
39"		100.0	100.0
42"		100.0	100.0
45"		100.0	100.0
48"		-	100.0
51"		-	97.4
54"		-	92.0
57"		-	87.1
60"		-	82.8
36"	132"	100.0	100.0
39"		100.0	100.0
42"		100.0	100.0
45"		100.0	100.0
48"		-	93.7
51"		-	88.2
54"		-	83.3
57"		-	78.9
60"		-	75.0
36"	138"	100.0	100.0
39"		100.0	100.0
42"		98.3	97.4
45"		-	90.9
48"		-	85.3
51"		-	80.2
54"		-	75.8
57"		-	71.8
60"		-	68.2
36"	144"	100.0	100.0
39"		96.7	95.8
42"		-	89.0
45"		-	83.0
48"		-	77.9
51"		-	73.3
54"		-	69.2
57"		-	65.6
60"		-	62.3

MULLION LOAD CAPACITY - PSF TWIN SPANS			
NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	147"	100.0	99.3
39"		92.5	91.7
42"		-	85.1
45"		-	79.5
48"		-	74.5
51"		-	70.1
54"		-	66.2
57"		-	62.7
60"		-	59.6
36"	150"	96.0	95.1
39"		88.6	87.8
42"		-	81.5
45"		-	76.1
48"		-	71.3
51"		-	67.2
54"		-	63.4
57"		-	60.1
60"		-	57.1



UN-REINFORCED MULLION TWIN SPAN TABLES

NOTE:
THIS TABLE IS APPLICABLE FOR TWIN SPANS
FOR SINGLE SPAN CAPACITY SEE TABLES ON SHEETS 6 & 7.



Sealed: 10/1/2026

FL #27101

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-7000 ALUM CURTAIN 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: 05-08-18
scale: -
dr. by: TARIQ
chk. by:

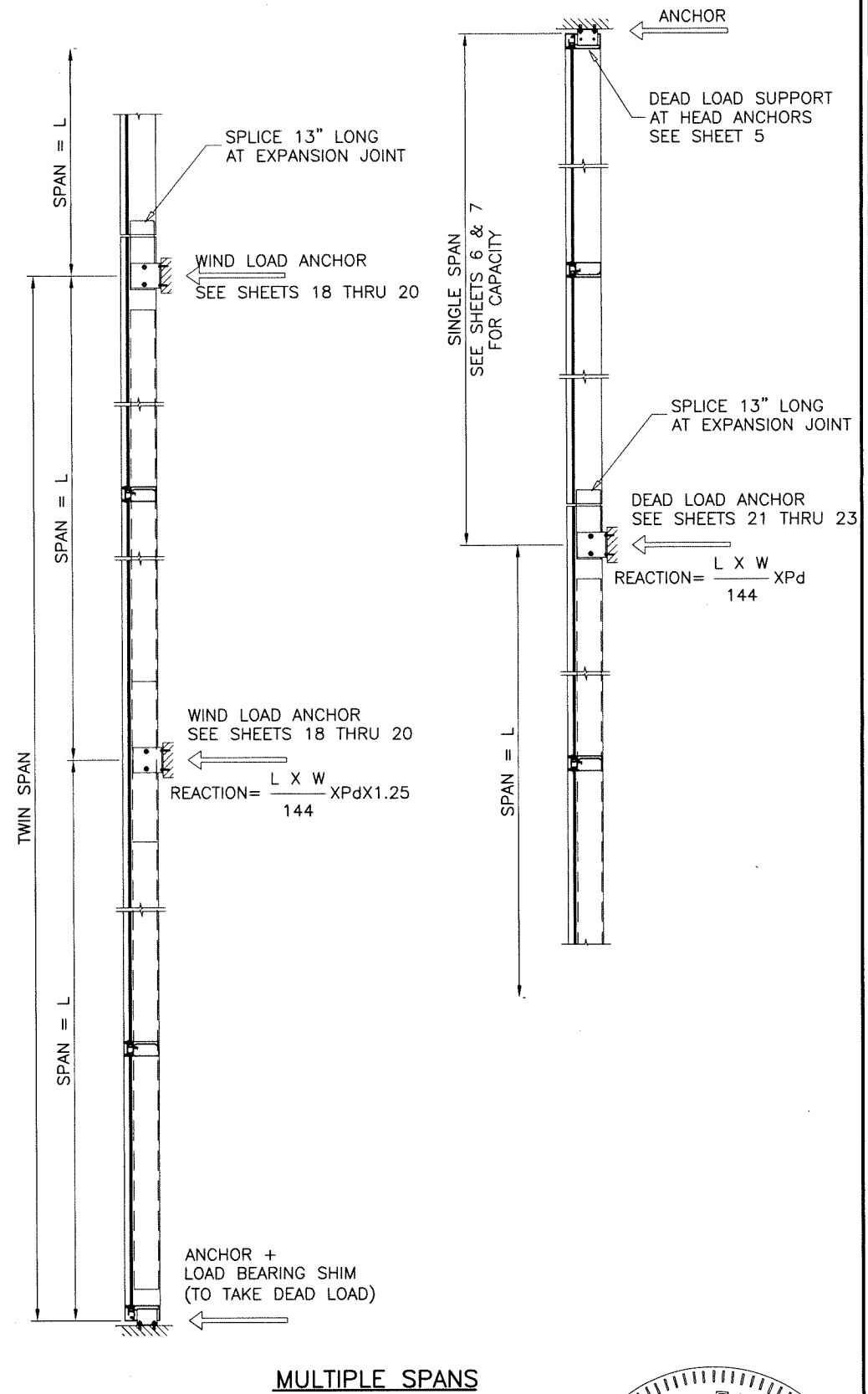
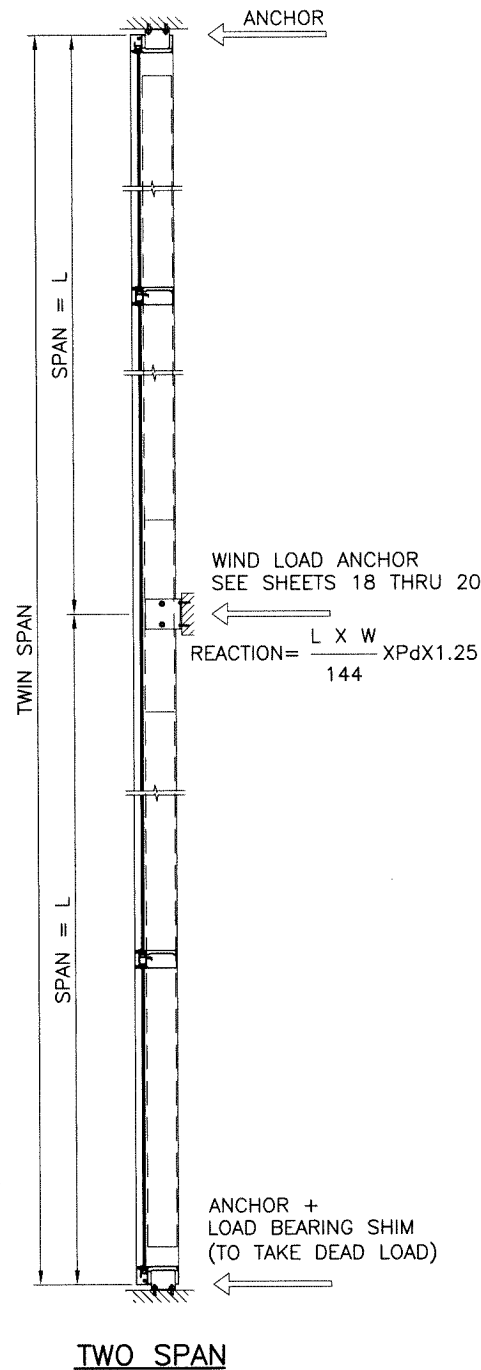
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18-56F
Sheet 9 of 30

COMP-ANL\18-56F-MG

MULLION LOAD CAPACITY - PSF				
TWIN SPANS				
NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M1B'	MULLION 'M1C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	114"	100.0	100.0	130.0
39"		100.0	100.0	130.0
42"		100.0	100.0	130.0
45"		100.0	100.0	130.0
48"		100.0	100.0	130.0
51"		100.0	100.0	130.0
54"		100.0	100.0	130.0
57"		100.0	100.0	130.0
60"		100.0	100.0	130.0
36"	120"	100.0	100.0	130.0
39"		100.0	100.0	130.0
42"		100.0	100.0	130.0
45"		100.0	100.0	130.0
48"		100.0	100.0	130.0
51"		100.0	100.0	130.0
54"		100.0	100.0	130.0
57"		97.5	100.0	130.0
60"		92.7	100.0	130.0
36"	126"	100.0	100.0	130.0
39"		100.0	100.0	130.0
42"		100.0	100.0	130.0
45"		100.0	100.0	130.0
48"		100.0	100.0	130.0
51"		98.3	100.0	130.0
54"		92.8	100.0	130.0
57"		87.9	100.0	130.0
60"		-	98.6	130.0
36"	132"	100.0	100.0	130.0
39"		100.0	100.0	130.0
42"		100.0	100.0	130.0
45"		100.0	100.0	130.0
48"		94.6	100.0	130.0
51"		89.0	100.0	130.0
54"		84.1	99.8	130.0
57"		-	94.6	130.0
60"		-	89.8	130.0
36"	138"	100.0	100.0	130.0
39"		100.0	100.0	130.0
42"		98.3	100.0	130.0
45"		91.8	100.0	130.0
48"		86.0	100.0	130.0
51"		81.0	96.7	130.0
54"		76.5	91.3	130.0
57"		-	86.5	130.0
60"		-	82.2	130.0
36"	144"	100.0	100.0	130.0
39"		96.7	100.0	130.0
42"		89.8	100.0	130.0
45"		83.8	100.0	130.0
48"		78.6	94.4	130.0
51"		73.9	88.8	130.0
54"		-	83.9	130.0
57"		-	79.5	125.8
60"		-	-	119.5
36"	147"	100.0	100.0	130.0
39"		92.5	100.0	130.0
42"		85.9	100.0	130.0
45"		80.2	96.6	130.0
48"		75.2	90.5	130.0
51"		-	85.2	130.0
54"		-	80.5	127.4
57"		-	-	120.7
60"		-	-	114.7

MULLION LOAD CAPACITY - PSF				
TWIN SPANS				
NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M1B'	MULLION 'M1C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	150"	96.0	100.0	130.0
39"		88.6	100.0	130.0
42"		82.3	99.4	130.0
45"		76.8	92.8	130.0
48"		72.0	87.0	130.0
51"		-	81.8	129.6
54"		-	77.3	122.4
57"		-	-	115.9
60"		-	-	110.1
36"	156"	-	-	130.0
39"		-	-	130.0
42"		-	-	130.0
45"		-	-	130.0
48"		-	-	124.5
51"		-	-	117.2
54"		-	-	110.6
57"		-	-	104.8
60"		-	-	99.6
36"	159"	-	-	130.0
39"		-	-	130.0
42"		-	-	130.0
45"		-	-	125.4
48"		-	-	117.6
51"		-	-	110.6
54"		-	-	104.5
57"		-	-	99.0
60"		-	-	93.0
36"	168"	-	-	130.0
39"		-	-	124.9
42"		-	-	115.9
45"		-	-	108.2
48"		-	-	101.4
51"		-	-	95.5
54"		-	-	90.2
57"		-	-	85.4
60"		-	-	81.2
36"	180"	-	-	108.0
39"		-	-	99.7
42"		-	-	92.6
45"		-	-	86.4
48"		-	-	81.0
51"		-	-	76.3
54"		-	-	72.0
57"		-	-	67.0
60"		-	-	62.5

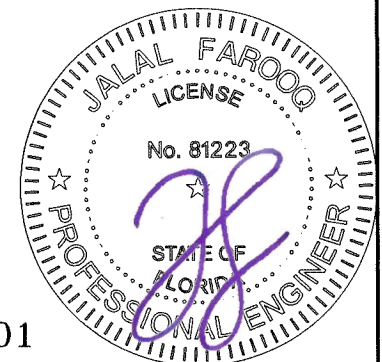
36A, 40" LONG AT INTERMEDIATE ANCHORS	
ES-7525-007	ES-7525-008
MULLION 'M1A'	MULLION 'M1B'
ES-7525-007	ES-7525-008
MULLION 'M1C'	
ES-7525-008	
1x IN ⁴ Sx IN ³	1x IN ⁴ Sx IN ³
15.1742 5.7059	8.8201 3.3166
ALUMINUM	4.4900 2.2500
STEEL	
TOTAL	21.8411
1x ALUM + 1x STL X 2.9	
REINF. LENGTH = MULL LENGTH - 6"	
REINFORCED MULLION TWIN SPAN TABLES	



MULLIONS 'M1C' RATED FOR
LEVEL 'E' IMPACT

NOTE:
THIS TABLE IS APPLICABLE FOR TWIN SPANS
FOR SINGLE SPAN CAPACITY SEE TABLES ON SHEETS 6 & 7. FL #27101

Sealed: 10/1/2026



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

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

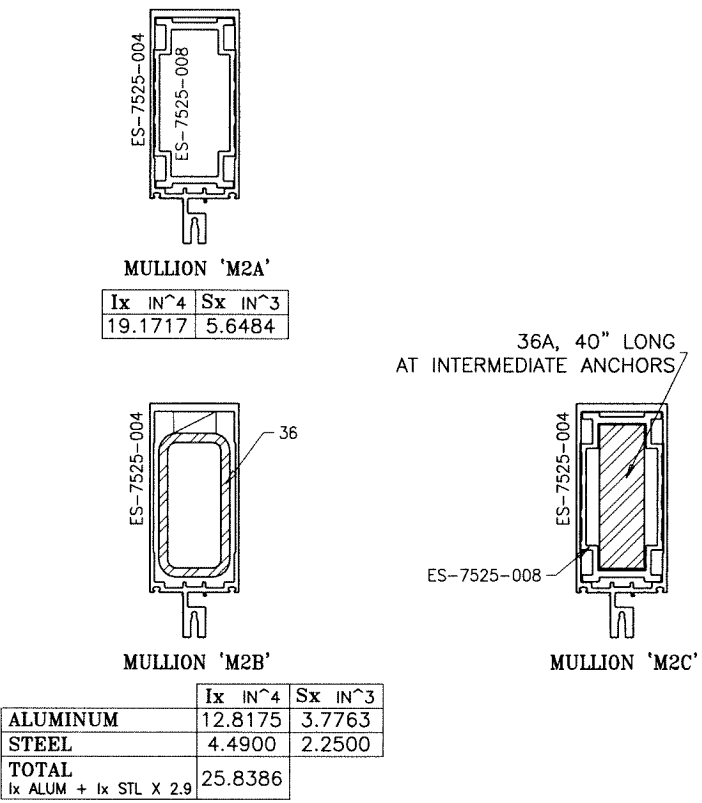
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:

no	date	by	description

date: 05-08-18 scale: - dr. by: TARIQ chk. by:
drawing no. 18-56F
sheet 10 of 30

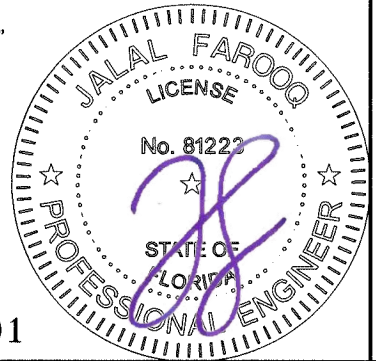
MULLION LOAD CAPACITY - PSF TWIN SPANS					MULLION LOAD CAPACITY - PSF TWIN SPANS					MULLION LOAD CAPACITY - PSF TWIN SPANS					MULLION LOAD CAPACITY - PSF TWIN SPANS				
NOMINAL DIMS.		MULLION 'M2A'	MULLION 'M2B'	MULLION 'M2C'	NOMINAL DIMS.		MULLION 'M2A'	MULLION 'M2B'	MULLION 'M2C'	NOMINAL DIMS.		MULLION 'M2A'	MULLION 'M2B'	MULLION 'M2C'	NOMINAL DIMS.		MULLION 'M2A'	MULLION 'M2B'	MULLION 'M2C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	102"	100.0	120.0	130.0	36"	130"	100.0	120.0	130.0	36"	156"	87.5	75.0	130.0	36"	192"	57.6	50.0	-
39"		100.0	120.0	130.0	39"		100.0	120.0	130.0	39"		80.7	75.0	130.0	39"		53.2	50.0	-
42"		100.0	120.0	130.0	42"		100.0	120.0	130.0	42"		75.0	75.0	130.0	42"		49.4	50.0	-
45"		100.0	120.0	130.0	45"		100.0	120.0	130.0	45"		70.0	75.0	130.0	45"		46.1	50.0	-
48"		100.0	120.0	130.0	48"		93.7	120.0	130.0	48"		65.6	50.0	129.6	48"		43.2	50.0	-
51"		100.0	120.0	130.0	51"		88.2	120.0	130.0	51"		61.7	50.0	122.0	51"		40.7	50.0	-
54"		100.0	120.0	130.0	54"		83.3	117.6	130.0	54"		58.3	50.0	115.2	54"		38.4	50.0	-
57"		100.0	120.0	130.0	57"		78.9	110.9	130.0	57"		55.2	50.0	109.1	57"		36.4	49.8	-
60"		100.0	120.0	130.0	60"		75.0	100.0	130.0	60"		52.5	50.0	103.7	60"		34.6	47.4	-
66"		-	120.0	-	36"	132"	100.0	119.0	130.0	36"	159"	84.0	75.0	130.0	36"	196-3/4"	54.9	50.0	-
72"		-	120.0	-	39"		100.0	119.0	130.0	39"		77.6	75.0	130.0	39"		50.7	50.0	-
36"	108"	100.0	120.0	130.0	42"		100.0	119.0	130.0	42"		72.0	75.0	130.0	42"		47.0	50.0	-
39"		100.0	120.0	130.0	45"		100.0	100.0	130.0	45"		67.2	75.0	130.0	45"		43.9	50.0	-
42"		100.0	120.0	130.0	48"		93.7	100.0	130.0	48"		63.0	50.0	130.0	48"		41.2	50.0	-
45"		100.0	120.0	130.0	51"		88.2	100.0	130.0	51"		59.3	50.0	124.7	51"		38.7	50.0	-
48"		100.0	120.0	130.0	54"		83.3	100.0	130.0	54"		56.0	50.0	117.4	54"		36.6	50.0	-
51"		100.0	120.0	130.0	57"		78.9	100.0	130.0	57"		53.1	50.0	110.9	57"		34.7	47.5	-
54"		100.0	120.0	130.0	60"		75.0	100.0	130.0	60"		50.4	50.0	105.0	60"		32.9	45.1	-
57"		100.0	120.0	130.0	36"	138"	100.0	119.0	130.0	36"	168"	75.3	70.0	130.0	36"				
60"		100.0	120.0	130.0	39"		100.0	119.0	130.0	39"		69.5	70.0	130.0	39"				
66"		-	120.0	-	42"		97.4	119.0	130.0	42"		64.5	70.0	127.7	42"				
36"	114"	100.0	120.0	130.0	45"		90.9	100.0	130.0	45"		60.2	70.0	119.2	45"				
39"		100.0	120.0	130.0	48"		85.3	100.0	130.0	48"		56.5	70.0	111.7	48"				
42"		100.0	120.0	130.0	51"		80.2	100.0	130.0	51"		53.1	50.0	105.2	51"				
45"		100.0	120.0	130.0	54"		75.8	100.0	130.0	54"		50.2	50.0	99.3	54"				
48"		100.0	120.0	130.0	57"		71.8	98.2	130.0	57"		47.5	50.0	94.1	57"				
51"		100.0	120.0	130.0	60"		68.2	93.3	130.0	60"		45.2	50.0	89.4	60"				
54"		100.0	120.0	130.0	36"	144"	100.0	119.0	130.0	36"	180"	65.6	70.0	129.8	36"				
57"		100.0	120.0	130.0	39"		95.8	119.0	130.0	39"		60.5	70.0	119.8	39"				
60"		100.0	120.0	130.0	42"		89.0	119.0	130.0	42"		56.2	70.0	111.2	42"				
66"		-	120.0	-	45"		83.0	100.0	130.0	45"		52.5	70.0	103.8	45"				
36"	120"	100.0	120.0	130.0	48"		77.9	100.0	130.0	48"		49.2	67.3	103.8	48"				
39"		100.0	120.0	130.0	51"		73.3	100.0	130.0	51"		46.3	50.0	91.6	51"				
42"		100.0	120.0	130.0	54"		69.2	94.7	130.0	54"		43.7	50.0	90.0	54"				
45"		100.0	120.0	130.0	57"		65.6	89.7	128.1	57"		41.4	50.0	86.5	57"				
48"		100.0	120.0	130.0	60"		62.3	85.2	121.7	60"		39.3	50.0	82.0	60"				
51"		100.0	120.0	130.0	36"	147"	99.3	119.0	130.0	36"	184-1/8"	57.9	70.0	-	36"				
54"		100.0	120.0	130.0	39"		91.7	119.0	130.0	39"		53.7	70.0	-	39"				
57"		96.6	120.0	130.0	42"		85.1	116.5	130.0	42"		50.1	70.0	-	42"				
60"		91.8	120.0	130.0	45"		79.5	100.0	130.0	45"		47.0	68.6	-	45"				
36"	126"	100.0	120.0	130.0	48"		74.5	100.0	130.0	48"		44.2	64.4	-	48"				
39"		100.0	120.0	130.0	51"		70.1	95.9	130.0	51"		41.8	50.0	-	51"				
42"		100.0	120.0	130.0	54"		66.2	90.6	129.7	54"		39.6	50.0	-	54"				
45"		100.0	120.0	130.0	57"		62.7	85.8	122.9	57"		37.6	50.0	-	57"				
48"		100.0	120.0	130.0	60"		59.6	81.5	116.7	60"			50.0	-	60"				
51"		97.4	120.0	130.0	36"	150"	95.1	100.0	130.0	36"					36"				
54"		92.0	120.0	130.0	39"		87.8	100.0	130.0	39"					39"				
57"		87.1	119.1	130.0	42"		81.5	100.0	130.0	42"					42"				
60"		82.8	100.0	130.0	45"		76.1	100.0	130.0	45"					45"				
					48"		71.3	97.6	130.0	48"					48"				
					51"		67.2	91.9	130.0	51"					51"				
					54"		63.4	86.8	124.6	54"					54"				
					57"		60.1	82.2	118.0	57"					57"				
					60"		57.1	78.1	112.1	60"					60"				



MULLIONS 'M2C' RATED FOR
LEVEL 'E' IMPACT

Sealed: 10/1/2026

FL #27101



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 18-56F-MG

SERIES MG-7000 ALUM CURTAIN 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: 05-08-18

scale: -

dr. by: TARIQ

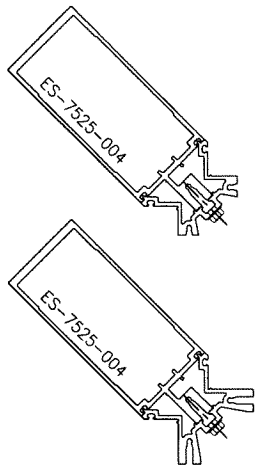
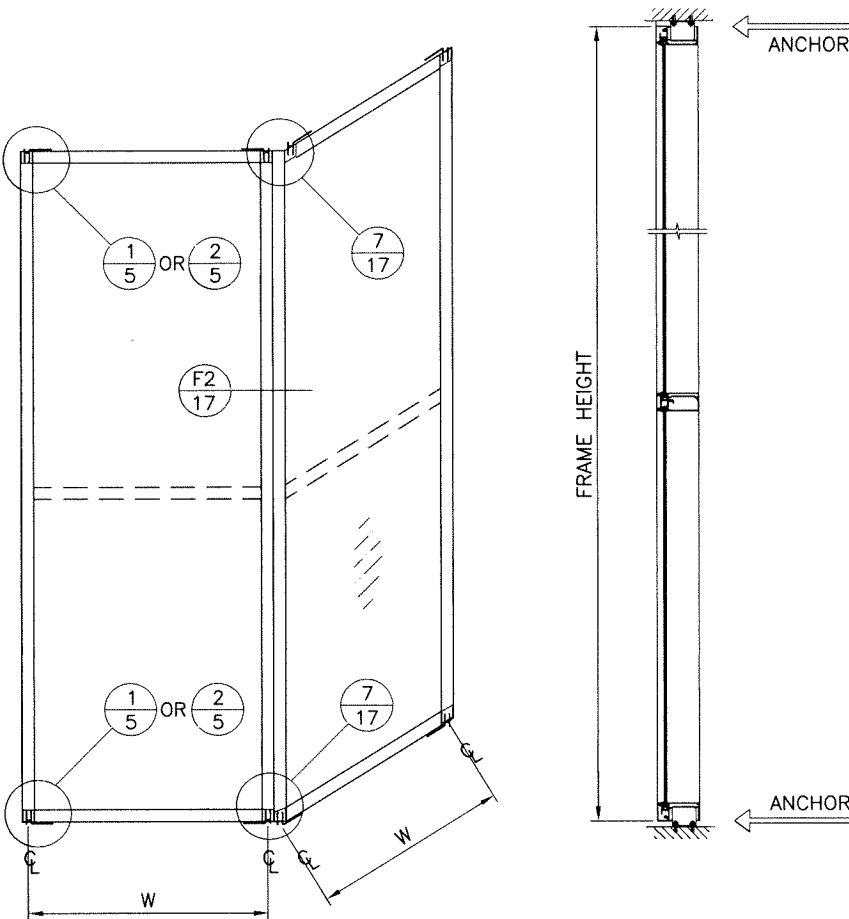
chk. by:

drawing no.

18-56F

sheet 10.1 of 30

CORNER MULLION W/O REINFORCING
SINGLE SPAN WITH OR WITHOUT HORIZONTAL

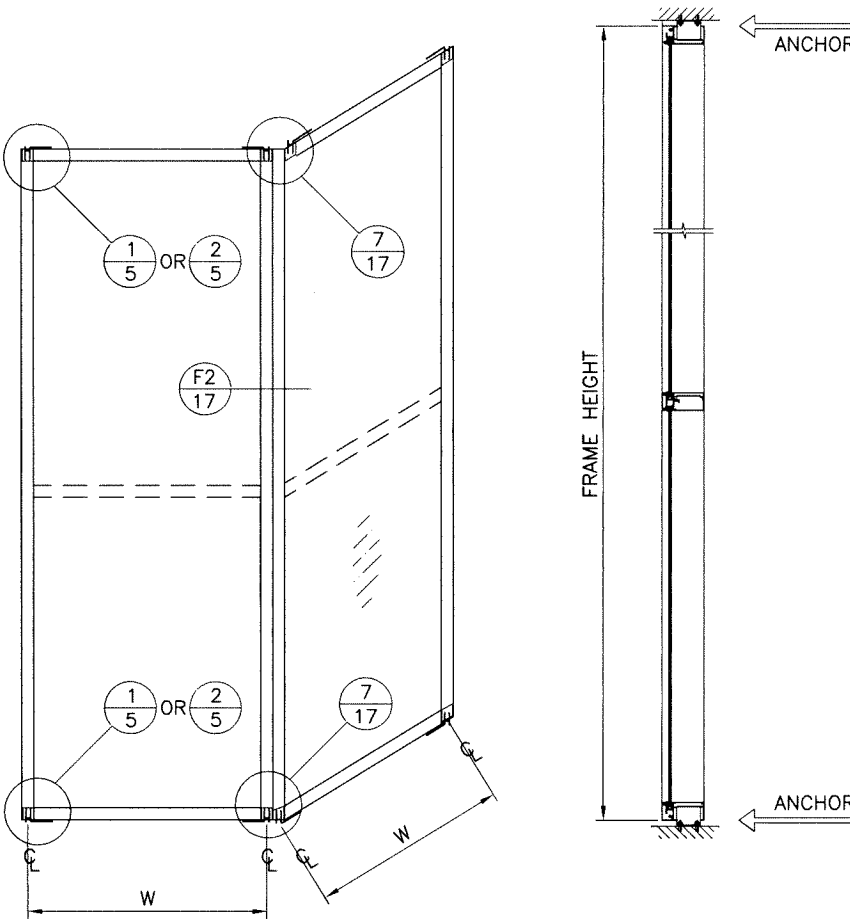


CORNER MULLION

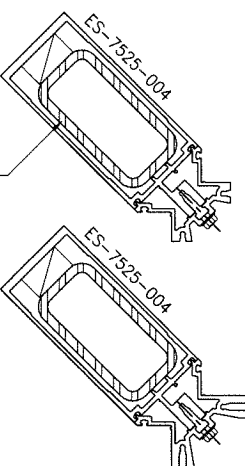
WIDTH-W INCHES	FRAME HEIGHT INCHES	DESIGN LOAD CAPACITY PSF
42	108	100.0
48		100.0
54		100.0
60		100.0
42	114	100.0
48		100.0
54		100.0
60		96.3
42	120	100.0
48		100.0
54		96.2
60		86.6

NOTE:
USE 'F' ANCHOR CLIP DETAIL ① AT JAMB AND
'T' ANCHOR CLIP DETAIL ② AT MULLION

CORNER MULLION WITH REINFORCING
SINGLE SPAN WITH OR WITHOUT HORIZONTAL



STEEL TUBE REINF.
LENGTH = FRAME HT. - 6 IN.



CORNER MULLION
W/ STEEL REINF.

WIDTH-W INCHES	FRAME HEIGHT INCHES	DESIGN LOAD CAPACITY PSF
42	150	100.0
48		100.0
54		100.0
60		100.0

Sealed: 10/1/2026

FL #27101



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

COMP-ANL 18-56F-MG

SERIES MC-7000 ALUM CURTAIN 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:

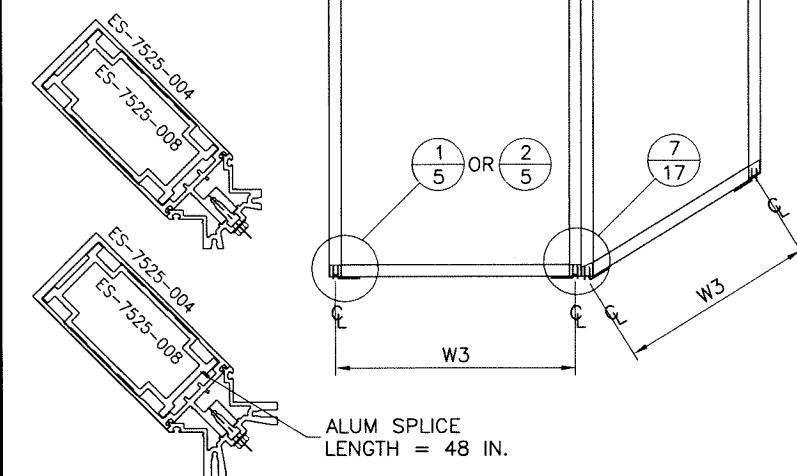
no	date	by	description

date: 05-08-18
scale: -
dr. by: TARIQ
chk. by:

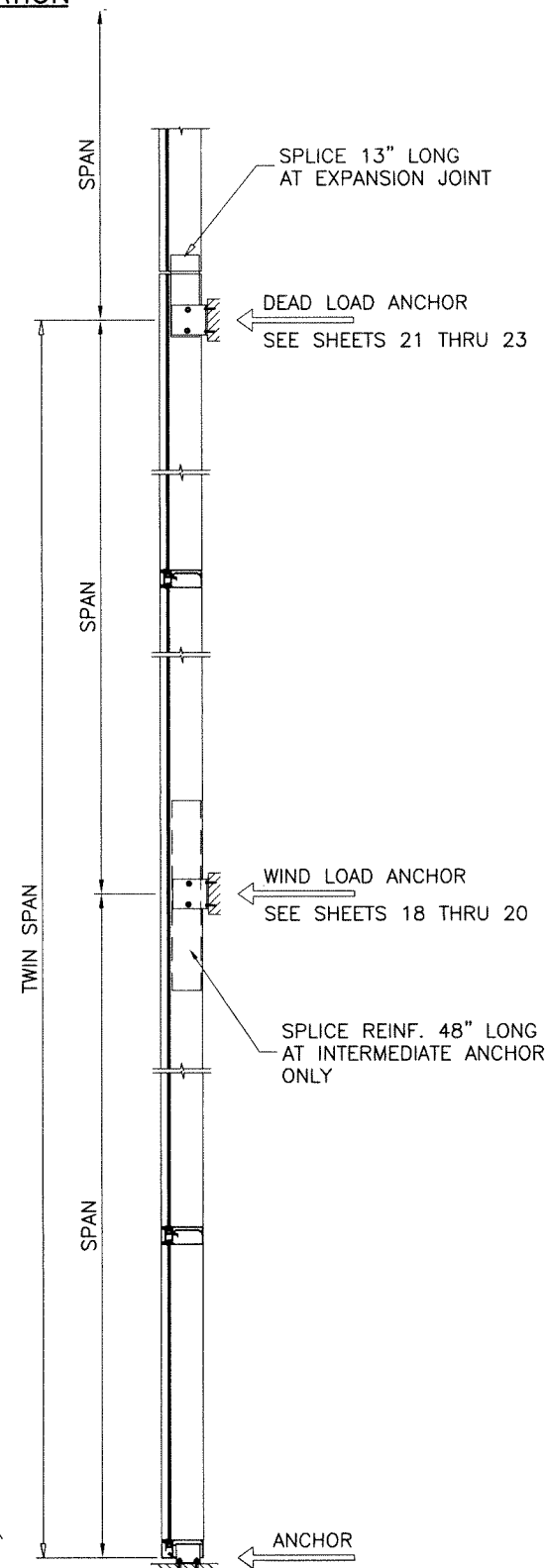
drawing no.
18-56F
sheet 11 of 30

CORNER MULLION W/ ALUM REINF. AT ANCHOR LOCATION
TWIN SPAN WITH OR WITHOUT HORIZONTAL

W3	SPAN	Pd – PSF
48"	120"	100.0
54"		96.2
60"		86.6
48"	126"	97.9
54"		87.0
60"		78.3
48"	132"	89.0
54"		79.1
60"		71.2
48"	138"	81.2
54"		72.1
60"		64.9
48"	144"	74.3
54"		66.1
60"		59.5
48"	150"	68.3
54"		60.7



CORNER MULLION
W/ ALUM REINF.

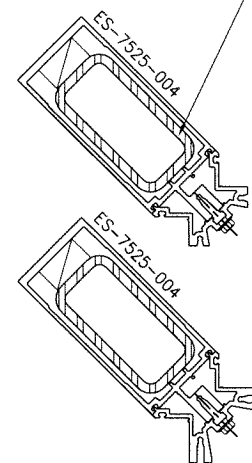


NOTE:
USE 'F' ANCHOR CLIP DETAIL (1/5) AT JAMB AND
'T' ANCHOR CLIP DETAIL (2/5) AT MULLION

CORNER MULLION WITH STEEL REINF. AT ANCHOR LOCATION
TWIN SPAN WITH OR WITHOUT HORIZONTAL

W3	SPAN	Pd – PSF
48"	144"	100.0
54"		100.0
60"		100.0
48"	150"	100.0
54"		100.0

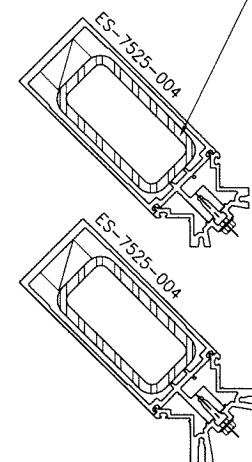
2 X 4 X 1/4"
STEEL TUBE SPLICE—
LENGTH - 48 IN. /



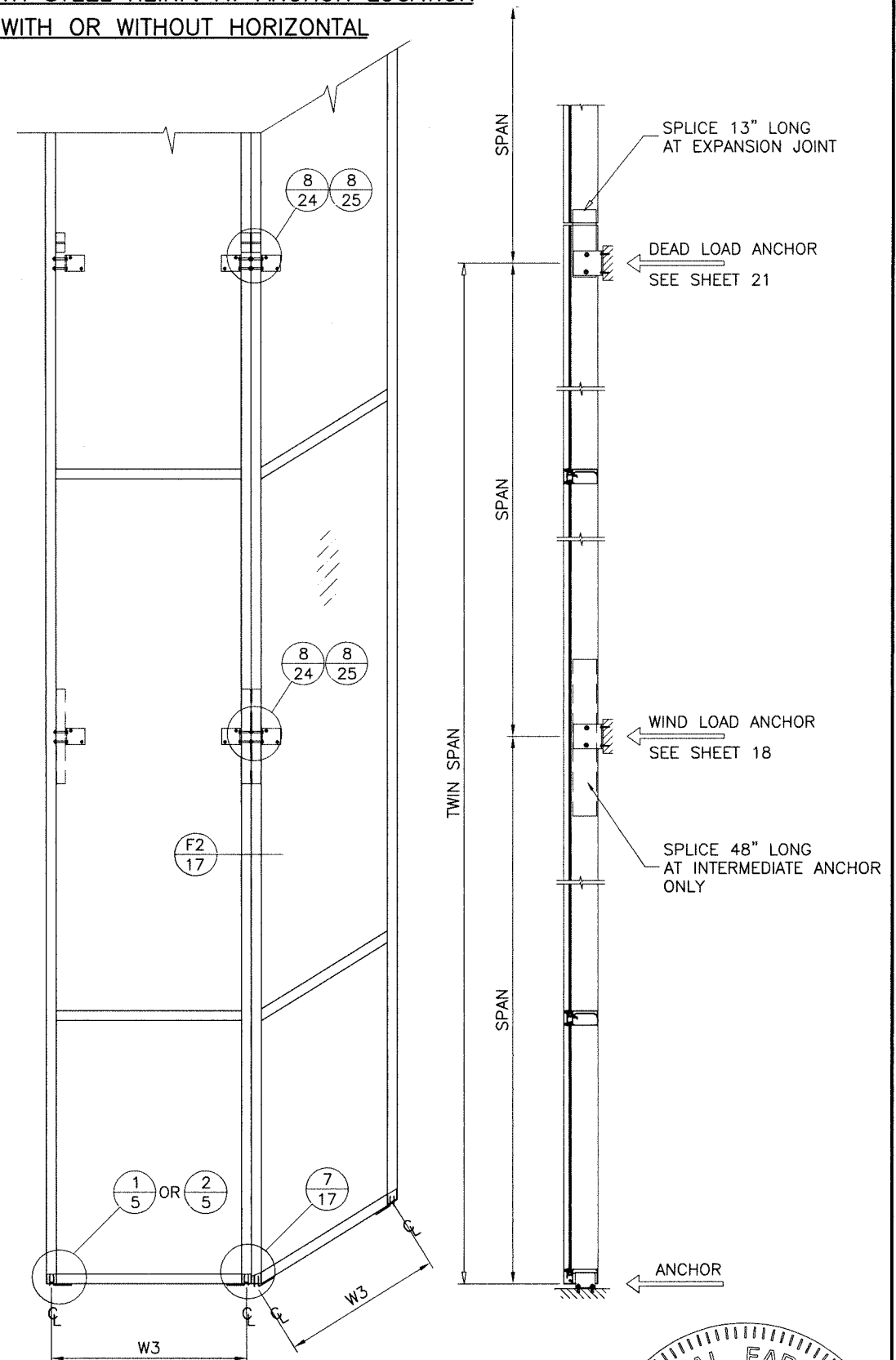
CORNER MULLION
W/ STEEL SPLICE

W3	SPAN	Pd — PSF
90"	114"	120.0
84"	120"	120.0
90"		113.5
72"		120.0
78"	126"	118.8
84"		110.3
90"		103.0
72"		120.0
78"	130"	111.6
84"		103.6
90"		96.9

2 X 4 X 1/4"
STEEL TUBE
FULL LENGTH

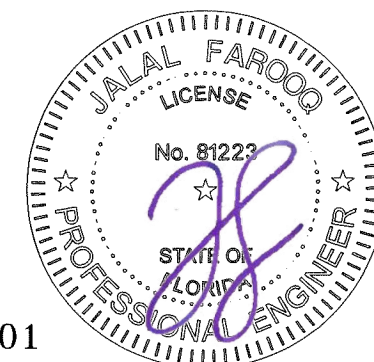


CORNER MULLION
W/ STEEL REINF.



Sealed: 10/1/2026

FL #27101

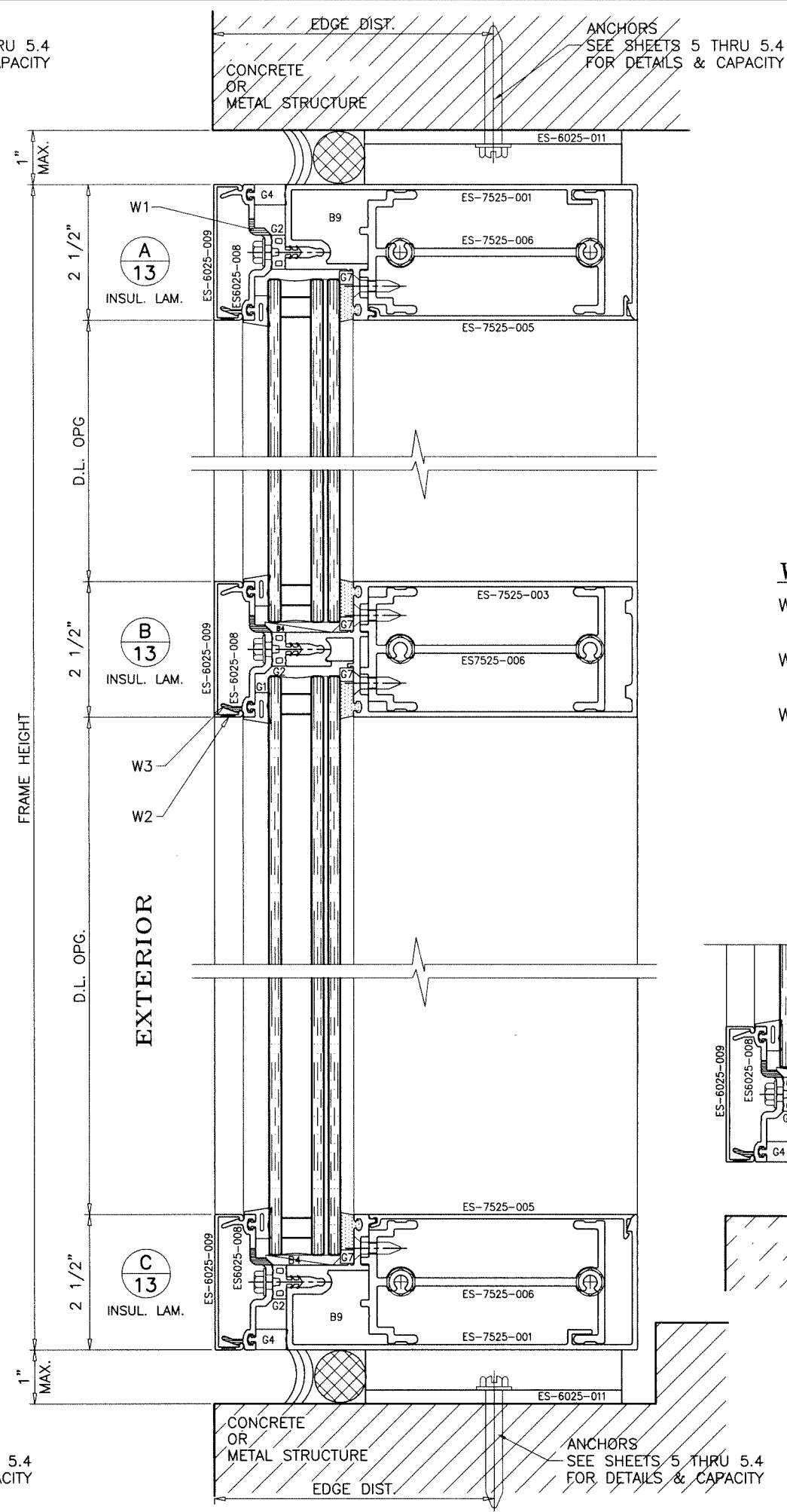
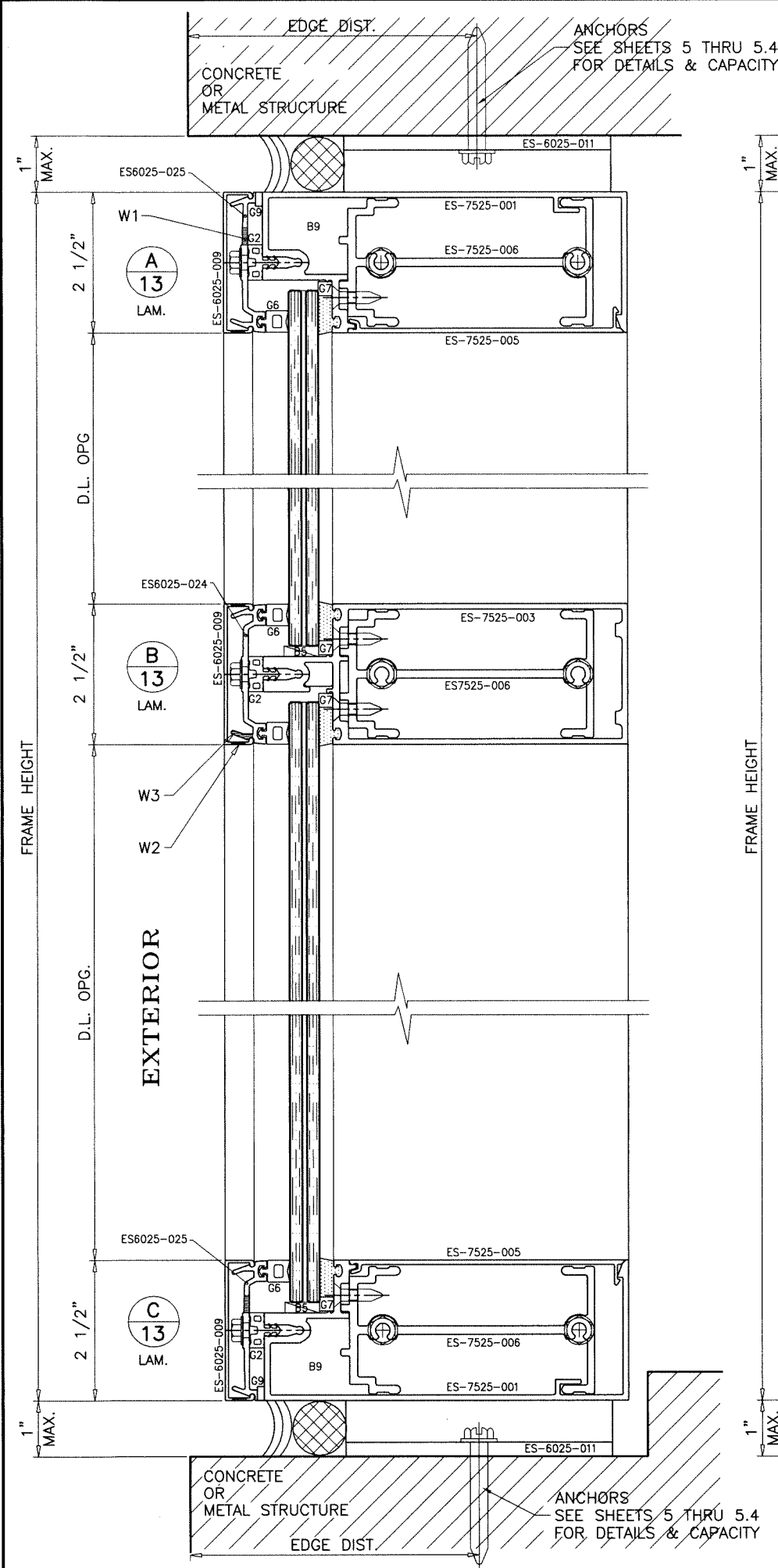


SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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

AL-FAROOQ CORPORATION
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date: 05-08-18		revisions:	
scale: —	no	date	by description
dr. by: TARIQ			
chk. by:			
drawing no. 18-56F			
sheet 12 of 30			

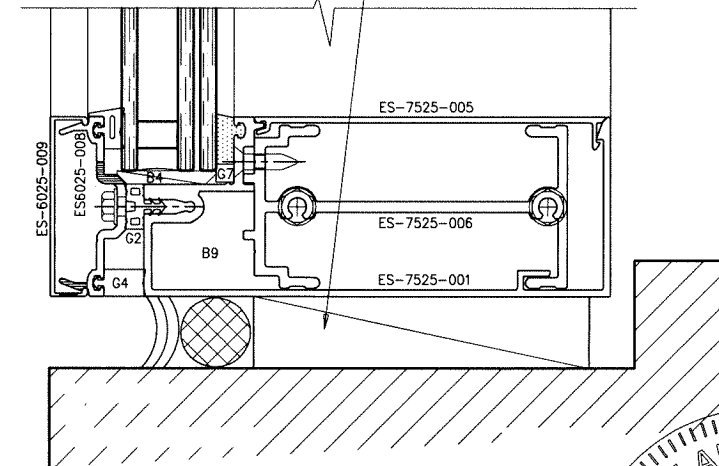


CONCRETE AND METAL STRUCTURE NOT BY 'MR. GLASS'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

WEEPHOLES:

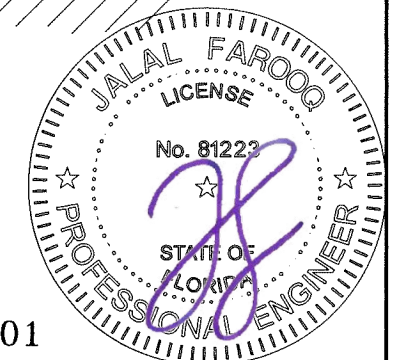
- W1 = 5/16" DIA. WEEP HOLES TWO PER D.L. OPNG.
AT 1/3 POINTS FROM VERTICALS
- W2 = 1/4" DIA. WEEP HOLES THREE PER LITE
AT 3" FROM VERTICALS AND CENTER OF D.L. OPNG.
- W3 = 1/2" WIDE WEEP NOTCH THREE PER LITE
AT 3" FROM VERTICALS AND CENTER OF D.L. OPNG.

LOAD BEARING SHIMS
AT EACH SIDE OF CLIPS
REQD. WHERE SPACE OF 1/16"
OR GREATER OCCURS.
MAX. SHIM STACK TO BE 1"



Sealed: 10/1/2026

FL #27101



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COMP-ANL 18-56F-MG

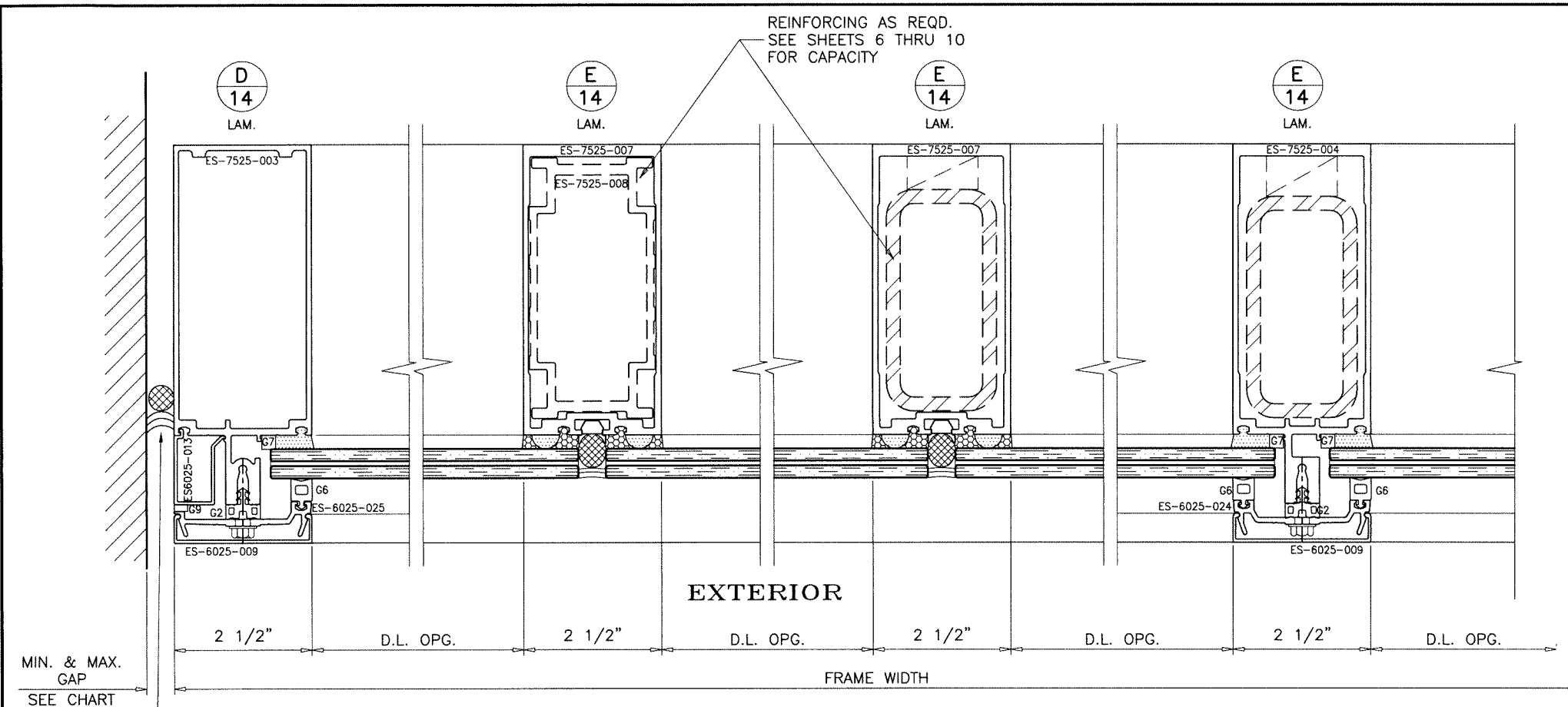
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
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8051 N.W. 79th Place
Medley, FL. 33166
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revisions:

no	date	by	description

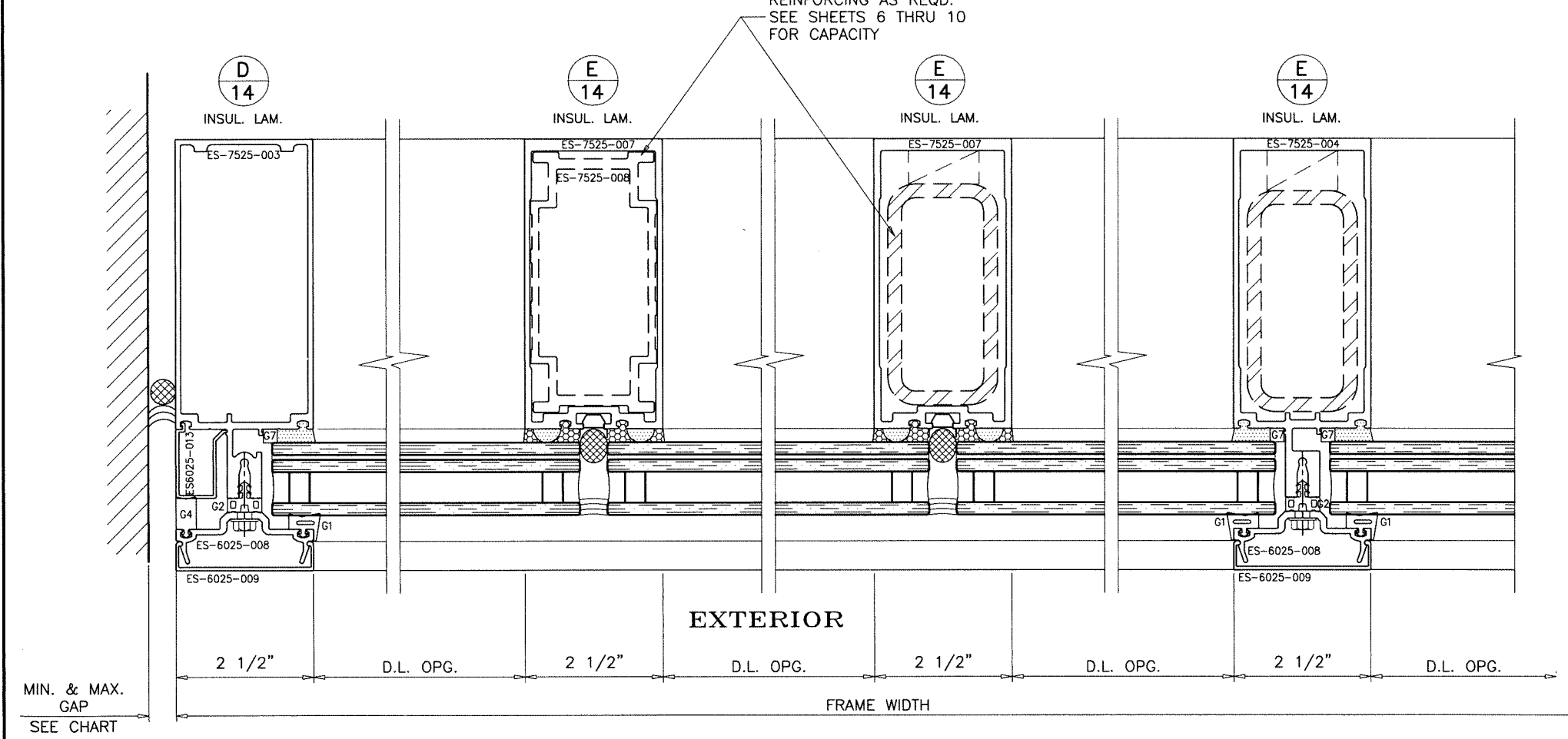
date: 05-08-18
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
18-56F
sheet 13 of 30



MIN. & MAX. GAP
SEE CHART

SILICONE
DOWSIL 791/790
DEPTH = 3/8" MIN.



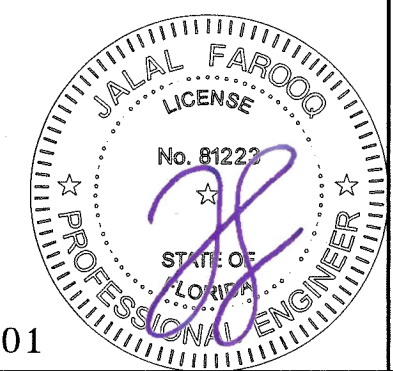
MIN. & MAX. GAP
SEE CHART

MAX. FRAME HEIGHT	GAP			
	DOWSIL 791		DOWSIL 790	
	MIN.	MAX.	MIN.	MAX.
84"	7/16"	1-1/8"	5/16"	1-1/8"
96"	1/2"	1-1/8"	5/16"	1-1/8"
108"	9/16"	1-1/8"	3/8"	1-1/8"
120"	5/8"	1-1/8"	7/16"	1-1/8"
132"	11/16"	1-1/8"	7/16"	1-1/8"
144"	3/4"	1-1/8"	1/2"	1-1/8"
150"	3/4"	1-1/8"	1/2"	1-1/8"
156"	13/16"	1-1/8"	1/2"	1-1/8"
168"	7/8"	1-1/8"	9/16"	1-1/8"
180"	15/16"	1-1/8"	5/8"	1-1/8"
192"	-	-	5/8"	1-1/8"
196-3/4"	-	-	3/4"	1-1/8"

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

Sealed: 10/1/2026

FL #27101



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revisions:

no	date	by	description

date: 05-08-18

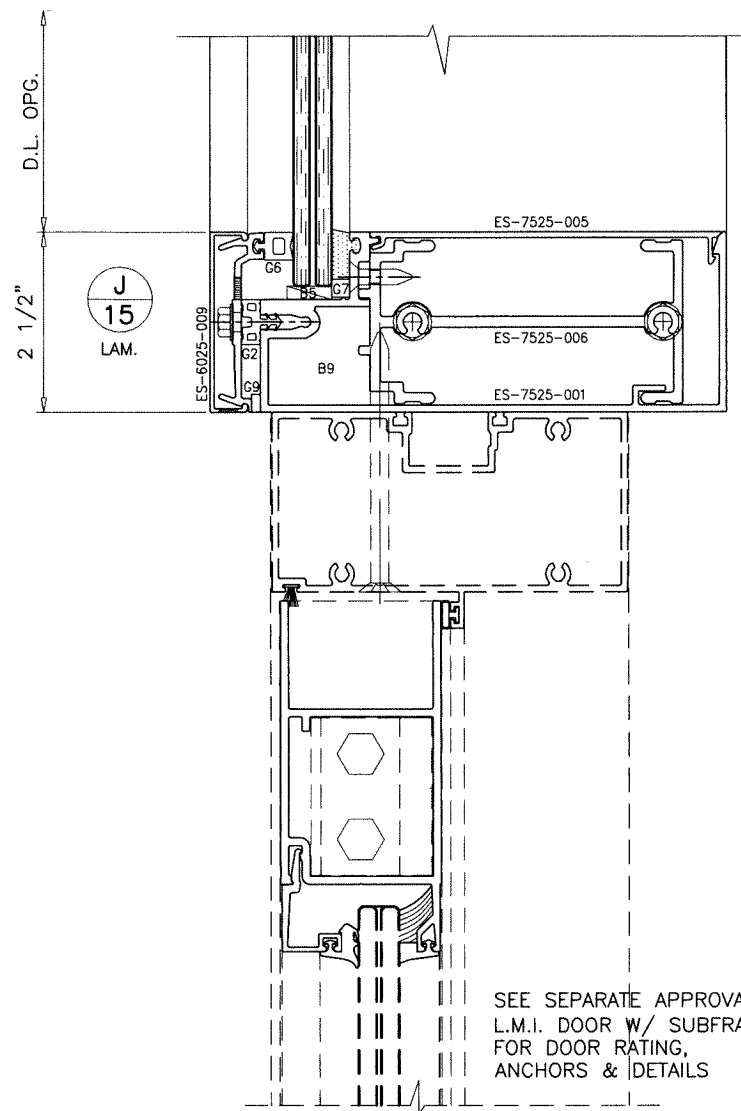
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dr. by: TARIQ

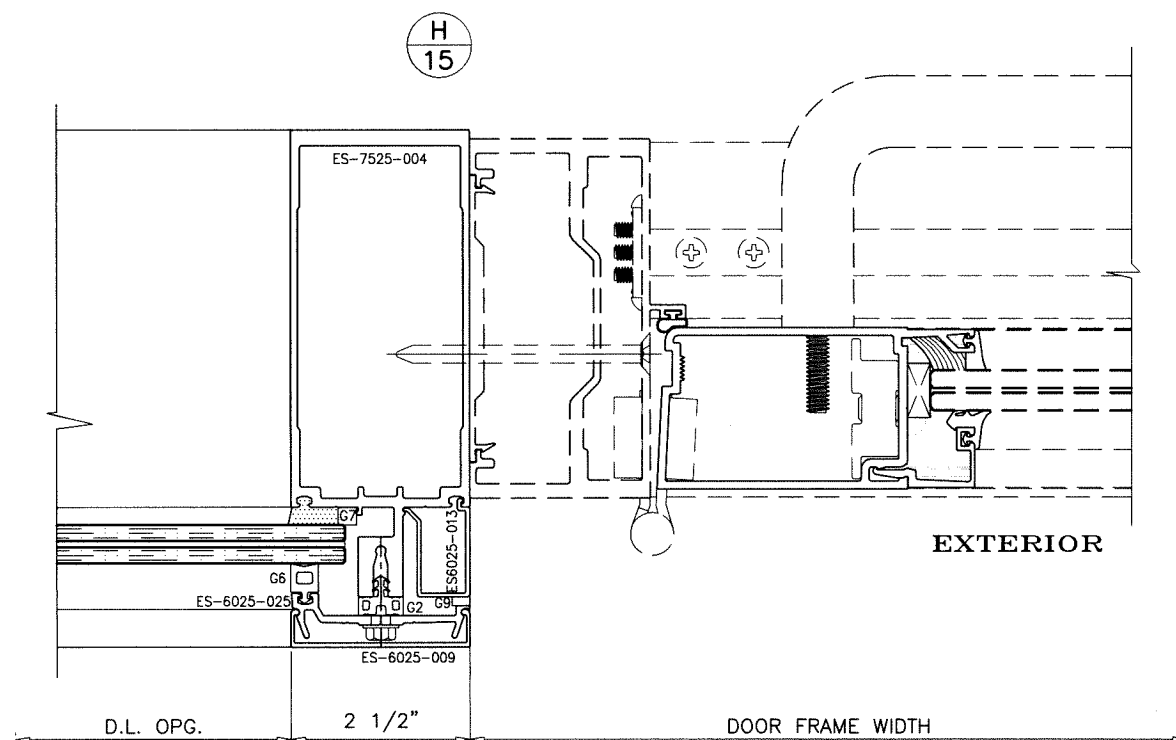
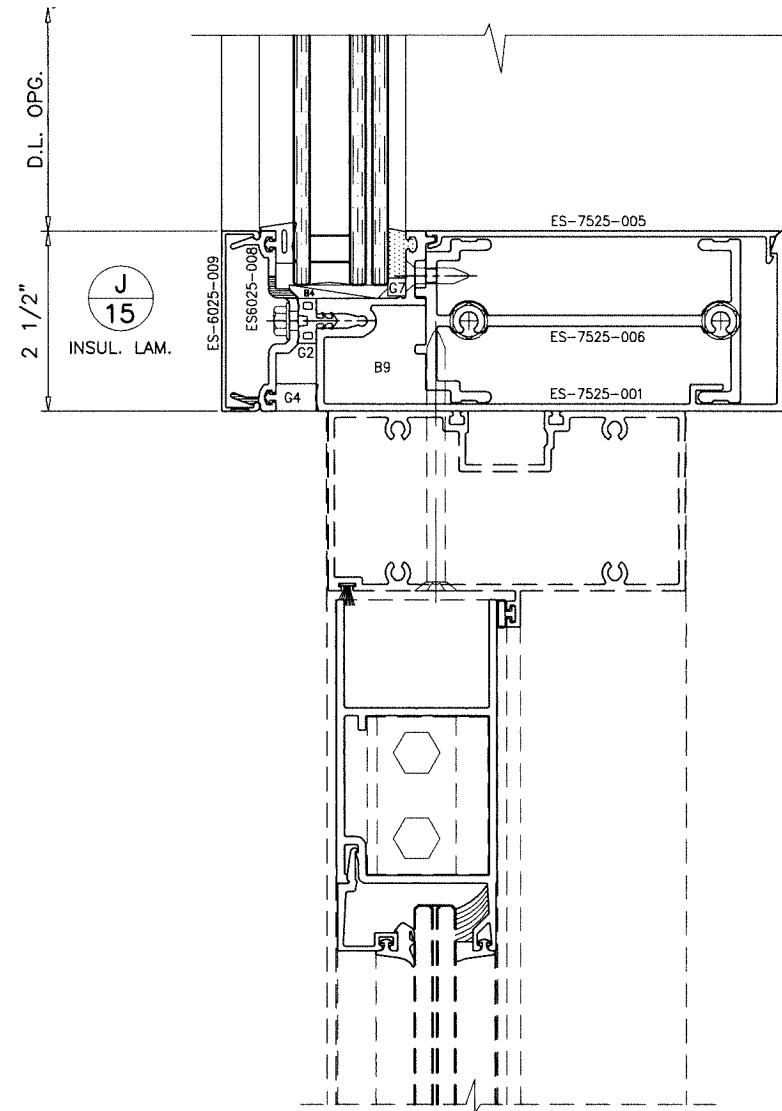
chk. by:

drawing no.
18-56F

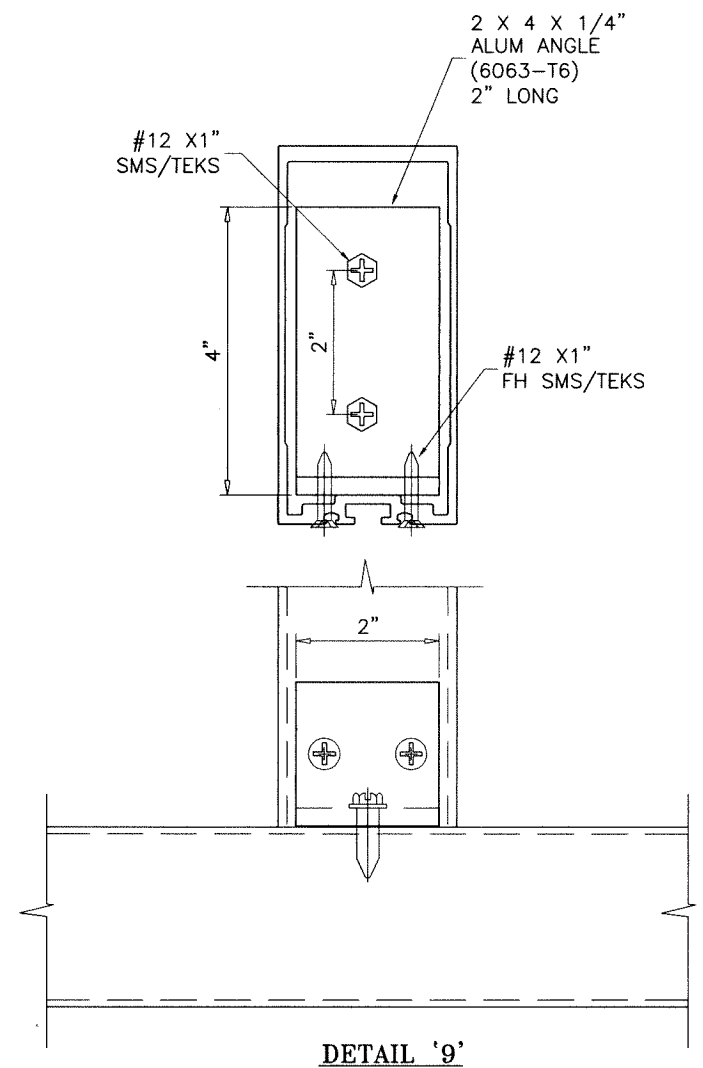
sheet 14 of 30



SEE SEPARATE APPROVAL OF
L.M.I. DOOR W/ SUBFRAME
FOR DOOR RATING,
ANCHORS & DETAILS



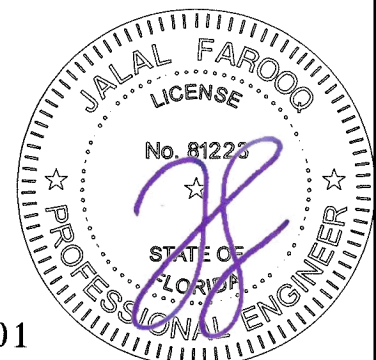
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DETAIL '9'

Sealed: 10/1/2026

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COMP-ANL \ 18-56F-MG

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revisions:

no	date	by	description

date: 05-08-18

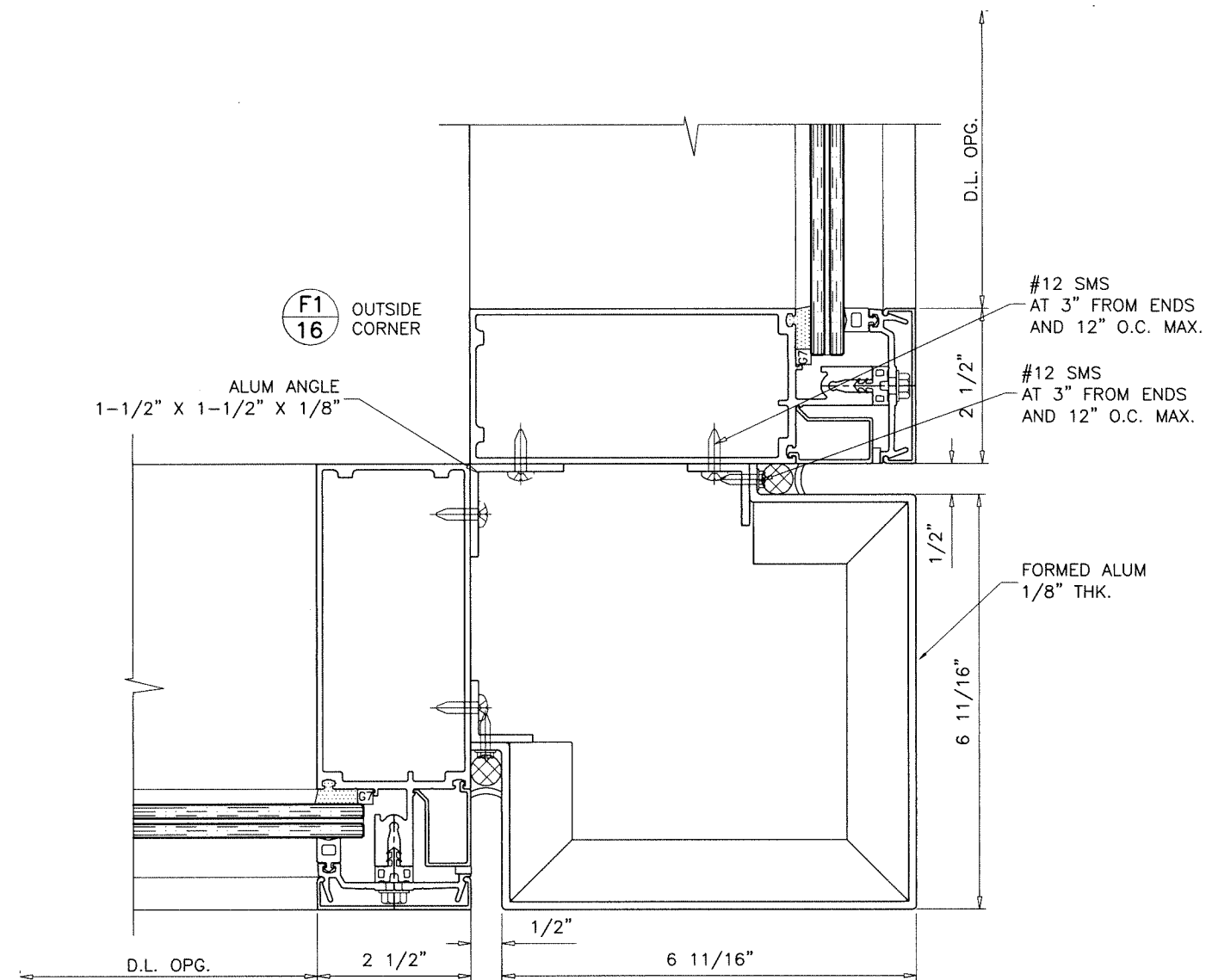
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dr. by: TARIQ

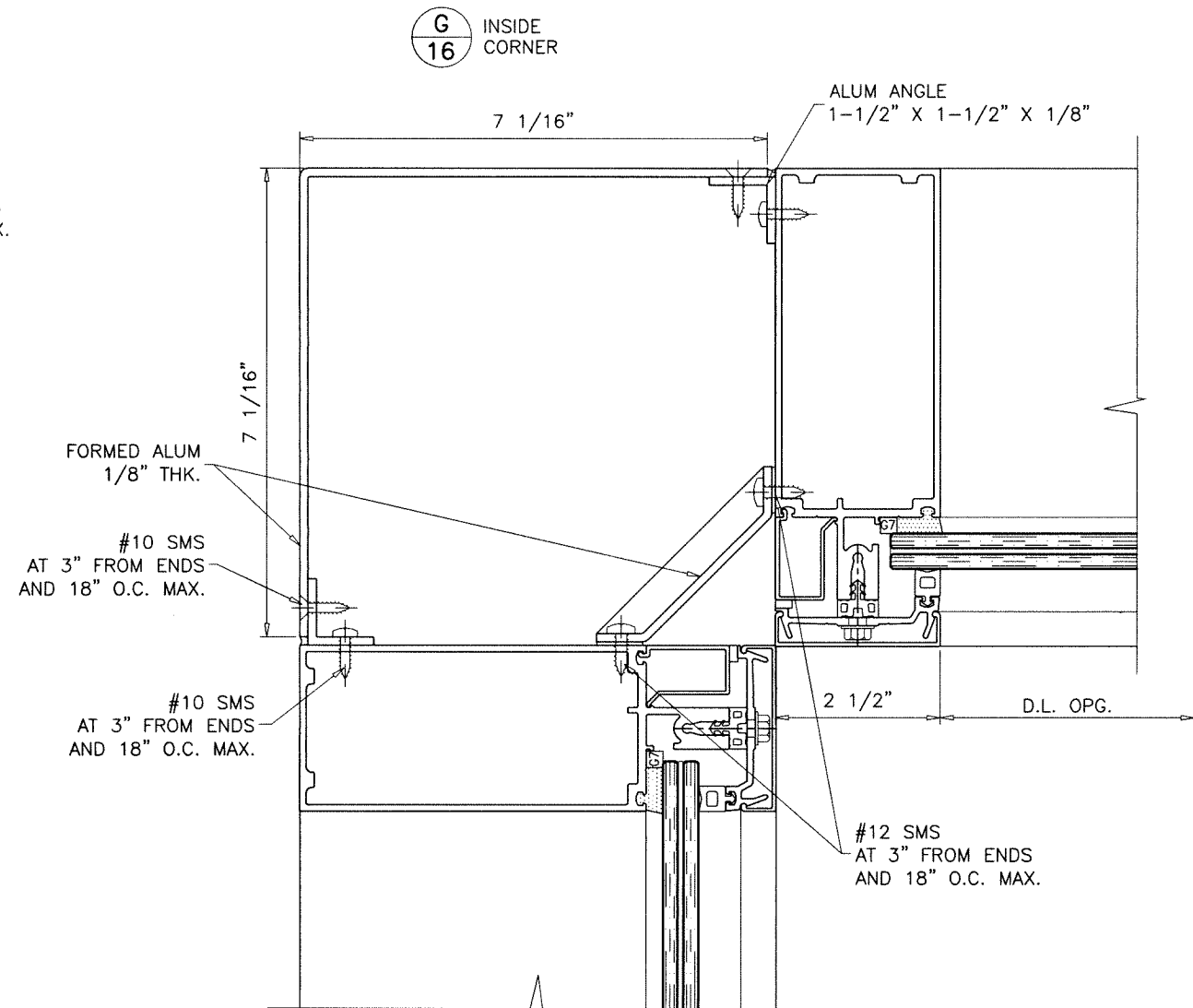
chk. by:

drawing no.
18-56F

sheet 15 of 30



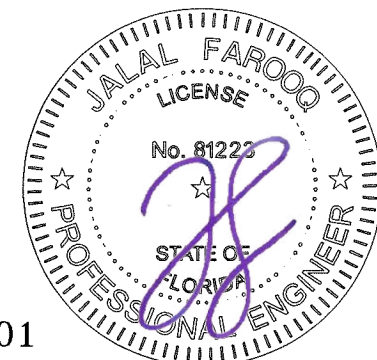
FOR MULLION CAPACITY
SINGLE SPAN SEE SHEET 6
TWIN SPANS SEE SHEET 8



FOR MULLION CAPACITY
SINGLE SPAN SEE SHEET 6
TWIN SPANS SEE SHEET 8

Sealed: 10/1/2026

FL #27101



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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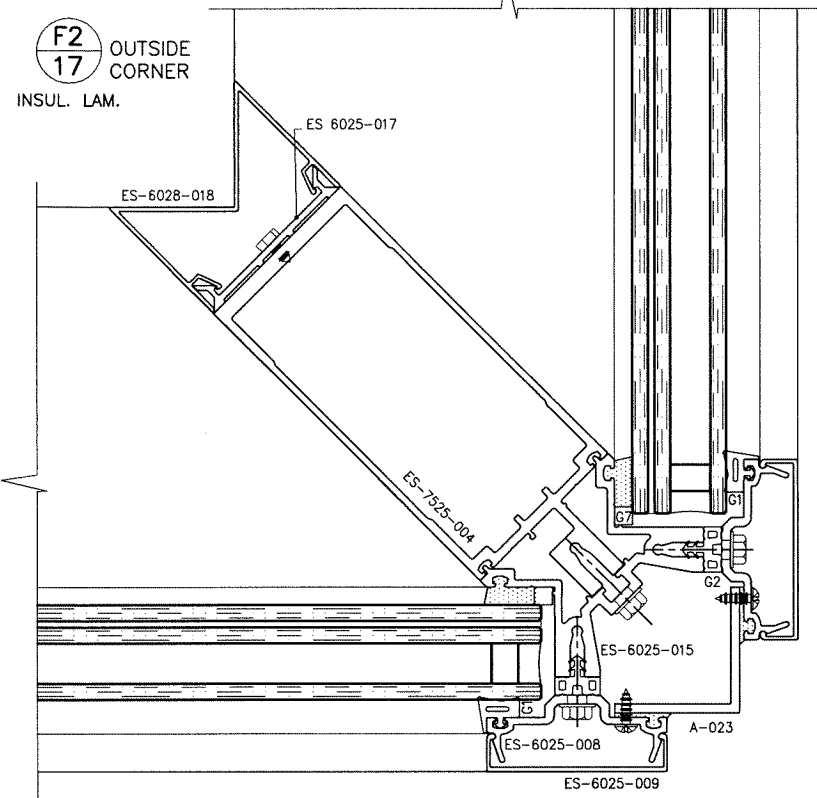
revisions:	no	date	by	description

date: 05-08-18
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

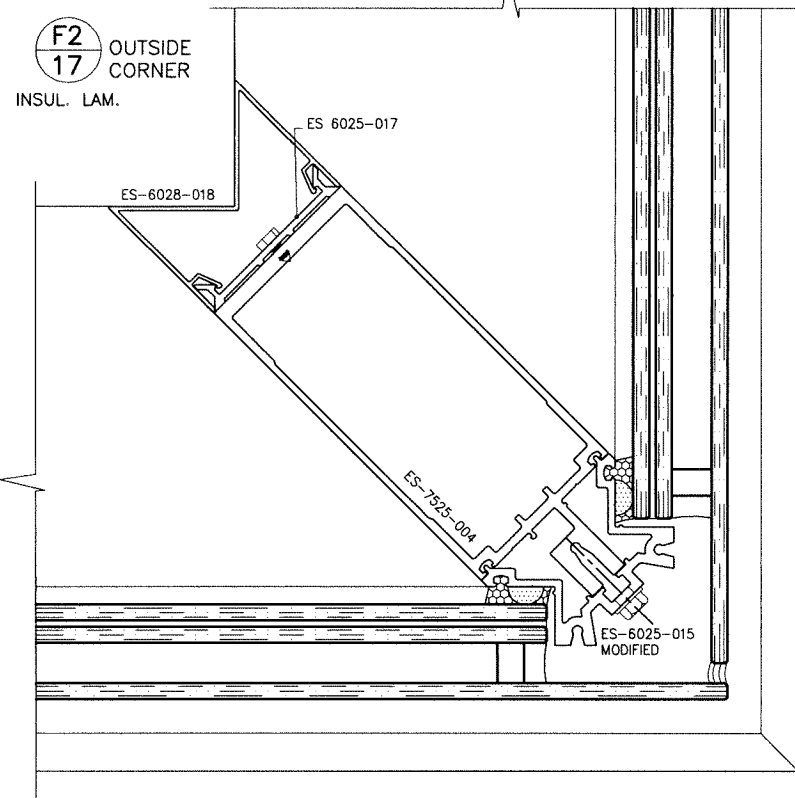
drawing no.
18-56F
sheet 16 of 30

COMP-ANL \ 18-56F-MG

F2
17 OUTSIDE
CORNER
INSUL. LAM.



F2
17 OUTSIDE
CORNER
INSUL. LAM.

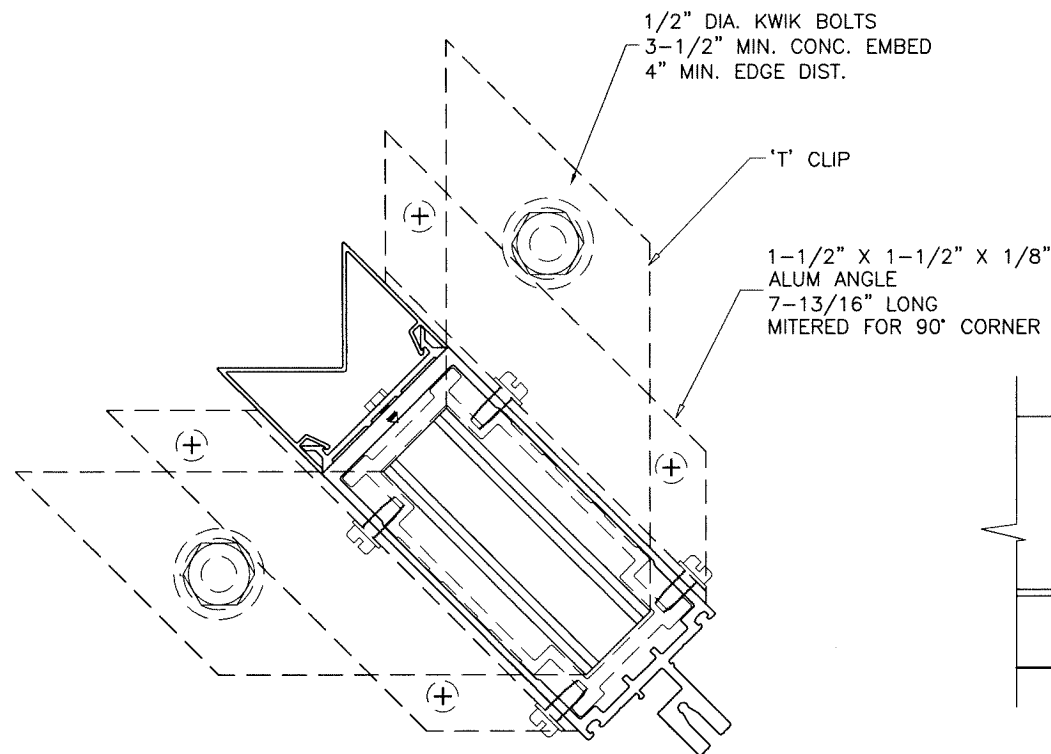


FOR MULLION CAPACITY
SINGLE SPAN SEE SHEET 11
TWIN SPANS SEE SHEET 12

1/2" DIA. KWIK BOLTS
3-1/2" MIN. CONC. EMBED
4" MIN. EDGE DIST.

'T' CLIP

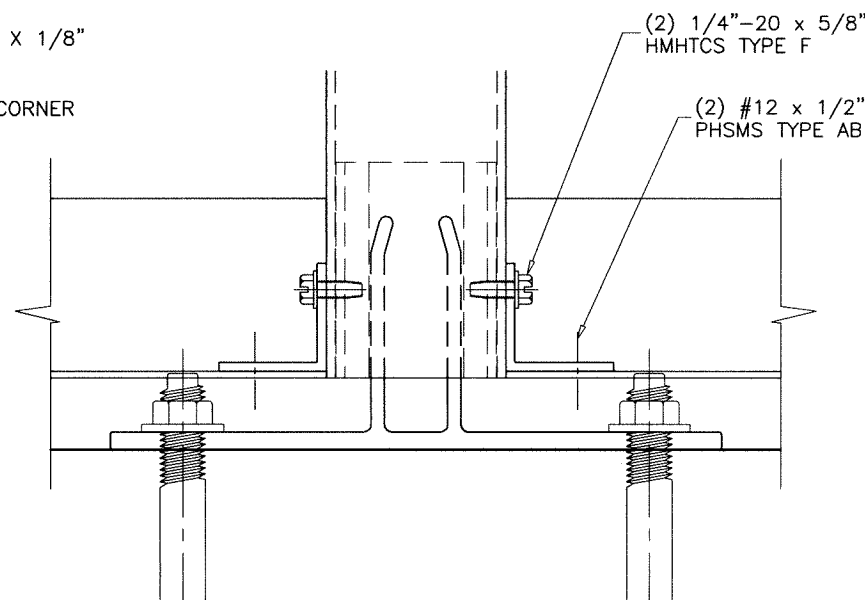
1-1/2" X 1-1/2" X 1/8"
ALUM ANGLE
7-13/16" LONG
MITERED FOR 90° CORNER



CORNER MULLION ANCHORS
HEAD/SILL
DETAIL '7'

(2) 1/4"-20 x 5/8"
HMHTCS TYPE F

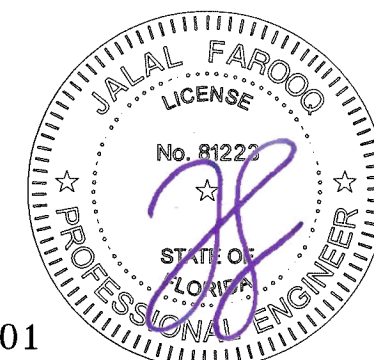
(2) #12 x 1/2"
PHSMS TYPE AB



CORNER MULLION ANCHORS
FRONT VIEW

Sealed: 10/1/2026

FL #27101



af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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revisions:	
no	by description

date: 05-08-18
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
18-56F
sheet 17 of 30

sheet 18 of 30

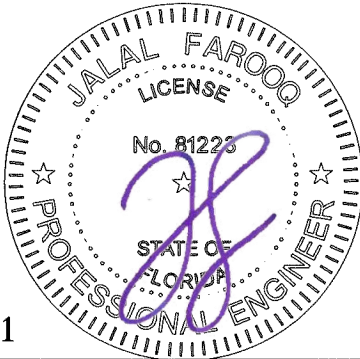
MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)				
NOMINAL DIMS.		(2) 1/2" DIA.	(3) 1/2" DIA.	(4) 1/2" DIA.
WIDTH (W)	FRAME HEIGHT	KWIK BOLT	KWIK BOLT	KWIK BOLT
36"	90"	130.0	130.0	130.0
42"		130.0	130.0	130.0
48"		130.0	130.0	130.0
54"		120.0	120.0	120.0
60"		108.0	120.0	120.0
66"		98.2	120.0	120.0
72"		90.0	120.0	120.0
78"		83.1	120.0	120.0
84"		77.2	115.7	120.0
90"		72.0	108.0	120.0
36"	96"	130.0	130.0	130.0
42"		130.0	130.0	130.0
48"		126.6	130.0	130.0
54"		112.5	130.0	130.0
60"		101.3	130.0	130.0
66"		92.1	120.0	120.0
72"		84.4	120.0	120.0
78"		77.9	116.9	120.0
84"		72.3	108.5	120.0
90"		67.5	101.3	120.0
36"	99-3/4"	130.0	130.0	130.0
42"		130.0	130.0	130.0
48"		120.0	130.0	130.0
54"		108.3	130.0	130.0
60"		97.5	130.0	130.0
66"		88.6	120.0	120.0
72"		81.2	120.0	120.0
78"		75.0	112.5	120.0
84"		69.6	104.4	120.0
90"		65.0	97.5	120.0
36"	102"	130.0	130.0	130.0
42"		130.0	130.0	130.0
48"		119.2	130.0	130.0
54"		105.9	130.0	130.0
60"		95.3	130.0	130.0
66"		86.7	120.0	120.0
72"		79.4	119.2	120.0
78"		73.3	110.0	120.0
84"		68.1	102.1	120.0
90"		63.5	95.3	120.0
36"	108"	130.0	130.0	130.0
42"		128.5	130.0	130.0
48"		112.5	130.0	130.0
54"		100.0	130.0	130.0
60"		90.0	130.0	130.0
66"		81.8	120.0	120.0
72"		75.0	112.5	120.0
78"		69.3	103.9	120.0
84"		64.3	96.5	120.0
90"		60.0	90.0	120.0

MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)				
NOMINAL DIMS.		(2) 1/2" DIA.	(3) 1/2" DIA.	(4) 1/2" DIA.
WIDTH (W)	FRAME HEIGHT	KWIK BOLT	KWIK BOLT	KWIK BOLT
36"	114"	130.0	130.0	130.0
42"		121.8	130.0	130.0
48"		106.6	130.0	130.0
54"		94.8	130.0	130.0
60"		85.3	127.9	130.0
66"		77.5	116.3	120.0
72"		71.1	106.6	120.0
78"		65.6	98.4	120.0
84"		60.9	91.4	120.0
90"		56.9	85.3	113.7
36"	120"	120.0	130.0	130.0
42"		115.7	130.0	130.0
48"		101.3	130.0	130.0
54"		90.0	130.0	130.0
60"		81.0	121.5	130.0
66"		73.7	110.5	120.0
72"		67.5	101.3	120.0
78"		62.3	93.5	120.0
84"		57.9	86.8	115.7
90"		54.0	81.0	108.0
36"	126"	128.6	130.0	130.0
42"		110.2	130.0	130.0
48"		96.5	130.0	130.0
54"		85.7	128.6	130.0
60"		77.2	115.7	130.0
66"		70.2	105.2	120.0
72"		64.3	96.5	120.0
78"		59.4	89.0	118.7
84"		55.1	82.7	110.2
90"		51.4	77.2	102.9
36"	130"	124.7	130.0	130.0
42"		106.8	130.0	130.0
48"		93.5	130.0	130.0
54"		83.1	124.7	130.0
60"		74.8	112.2	130.0
66"		68.0	102.0	120.0
72"		62.3	93.5	120.0
78"		57.5	86.3	115.1
84"		53.4	80.1	106.8
90"		49.9	74.9	99.9
36"	132"	122.8	130.0	130.0
42"		105.2	130.0	130.0
48"		92.1	130.0	130.0
54"		81.8	122.8	130.0
60"		73.7	110.5	130.0
36"	138"	117.4	130.0	130.0
42"		100.7	130.0	130.0
48"		88.1	130.0	130.0
54"		78.3	117.4	130.0
60"		70.5	105.7	130.0

MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)				
NOMINAL DIMS.		(2) 1/2" DIA.	(3) 1/2" DIA.	(4) 1/2" DIA.
WIDTH (W)	FRAME HEIGHT	KWIK BOLT	KWIK BOLT	KWIK BOLT
36"	144"	112.5	130.0	130.0
42"		96.5	130.0	130.0
48"		84.4	126.6	130.0
54"		75.0	112.5	130.0
60"		67.5	101.3	130.0
36"	147"	108.0	130.0	130.0
42"		92.6	130.0	130.0
48"		81.0	121.5	130.0
54"		72.0	108.0	130.0
60"		64.8	97.2	129.6
36"	150"	108.0	130.0	130.0
42"		92.6	130.0	130.0
48"		81.0	121.5	130.0
54"		72.0	108.0	130.0
60"		64.8	97.2	129.6
36"	156"	103.9	130.0	130.0
42"		89.0	130.0	130.0
48"		77.9	116.9	130.0
54"		69.3	103.9	130.0
60"		62.3	93.5	124.7
36"	159"	102.0	130.0	130.0
42"		87.0	130.0	130.0
48"		76.0	130.0	130.0
54"		68.0	130.0	130.0
60"		61.0	130.0	130.0
36"	168"	96.5	130.0	130.0
42"		82.7	124.0	130.0
48"		72.3	108.5	130.0
54"		64.3	96.5	128.6
60"		57.9	86.8	115.7
36"	180"	90.0	130.0	130.0
42"		77.2	115.7	130.0
48"		67.5	101.3	130.0
54"		60.0	90.0	120.0
60"		54.0	81.0	108.0
36"	184-1/8"	88.0	-	-
42"		75.0	-	-
48"		66.0	-	-
54"		59.0	-	-
60"		53.0	-	-
36"	192"	84.0	-	-
42"		72.0	-	-
48"		63.0	-	-
54"		56.0	-	-
60"		51.0	-	-
36"	196-3/4"	82.0	-	-
42"		71.0	-	-
48"		62.0	-	-
54"		55.0	-	-
60"		49.0	-	-

SEE SHEET 18 FOR WIND LOAD ANCHOR DETAILS

WIND LOAD ANCHOR



Sealed: 10/1/2026

FL #27101

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-7000 ALUM CURTAIN 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: 05-08-18

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no.

18-56F

sheet 18.1 of 30

1/2" DIA. THRU BOLT GRADE 5
WITH WASHER & NUT
IN 2" LONG SLOTTED HOLES

METAL STRUCTURES
COMMERCIAL STEEL - 1/4" MIN. THICKNESS

X 1/4" —
ANGLE, 6" LONG
H SIDE OF MULLION

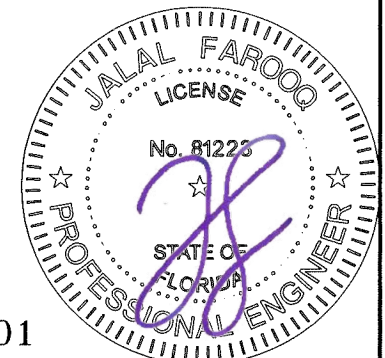
1/4" WELDS
WELDING ELECTRODE E-70

DETAIL '4' (ALT.)

DETAIL '3' (ALT.)

ALL ANGLES AND PLATES
TO BE A-36 STEEL
Fy = 36 KSI MIN.

WIND LOAD ANCHOR



SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place

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TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\18-56F-MG

[illegible]

date: 05-08-18

scale: $3/8" = 1"$

dr. by: TARIQ

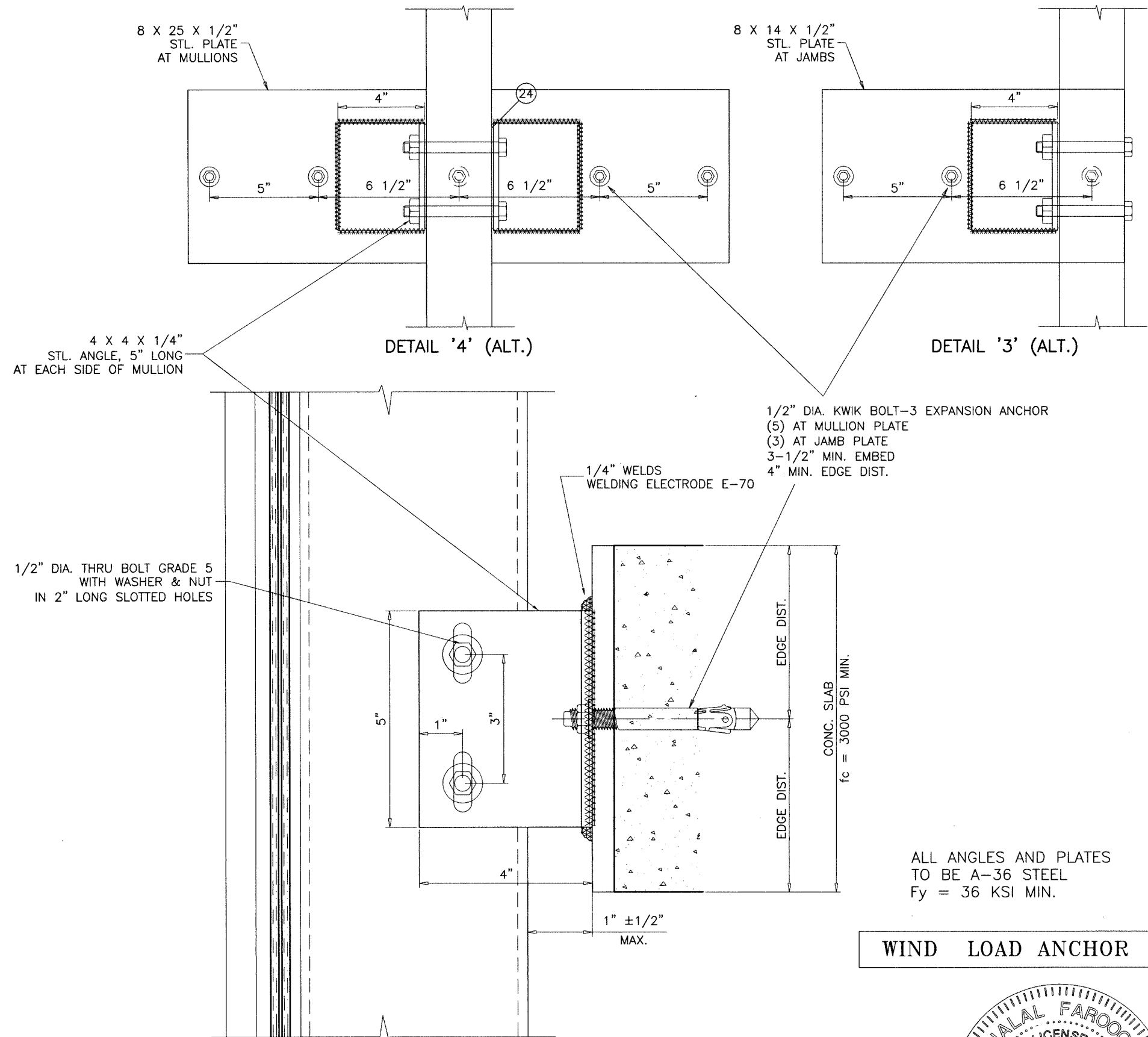
chk. by:

drawing no.
18-56F

sheet 19 of 30

Sealed: 10/1/2026

FL #27101



SEE SHEET 20.1 FOR ANCHOR CAPACITIES

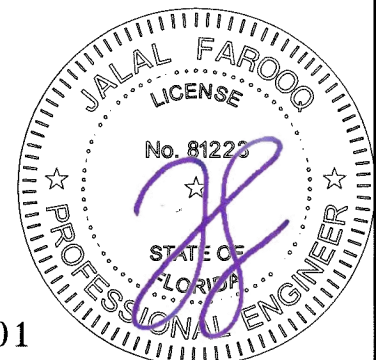
NOTE:
FOR SLABS LESS THAN 8 INCHES IN THICKNESS
ANCHORS TO BE DESIGNED ON JOB TO JOB BASIS.
THE DESIGN TO BE REVIEWED BY AUTHORITY HAVING
JURISDICTION.

INTERMEDIATE ANCHORS
DETAIL '4' AT CENTER MULLION
DETAIL '3' AT JAMB MULLION
ANCHORS INTO CONCRETE

WIND LOAD ANCHOR

Sealed: 10/1/2026

FL #27101



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

SERIES MC-7000 ALUM CURTAIN 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: 05-08-18
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
18-56F
sheet 20 of 30

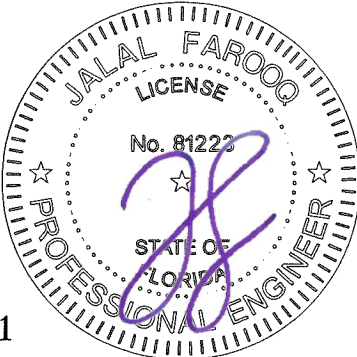
COMP-ANL 18-56F-MG

MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)			MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)			MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)		
NOMINAL DIMS.		1/2" DIA. KWIK BOLT	NOMINAL DIMS.		1/2" DIA. KWIK BOLT	NOMINAL DIMS.		1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT		WIDTH (W)	FRAME HEIGHT		WIDTH (W)	FRAME HEIGHT	
36"	90"	130.0	36"	120"	130.0	36"	150"	130.0
42"		130.0	42"		130.0	42"		124.2
48"		130.0	48"		130.0	48"		108.6
54"		130.0	54"		120.7	54"		96.6
60"		130.0	60"		108.6	60"		86.9
66"		120.0	66"		98.8	156"	36"	130.0
72"		120.0	72"		90.5		42"	119.4
78"		111.4	78"		83.6		48"	104.5
84"		103.5	84"		77.6		54"	92.9
90"		96.6	90"		72.4		60"	83.6
36"	96"	130.0	36"	126"	130.0	36"	159"	119.0
42"		130.0	42"		130.0	42"		117.0
48"		130.0	48"		129.3	48"		102.0
54"		130.0	54"		115.0	54"		91.0
60"		130.0	60"		103.5	60"		82.0
66"		120.0	66"		94.1	168"	36"	129.3
72"		113.2	72"		86.2		42"	110.9
78"		104.5	78"		79.6		48"	97.0
84"		97.0	84"		73.9		54"	86.2
90"		90.5	90"		69.0		60"	78.0
36"	102"	130.0	36"	130"	130.0	36"	180"	120.7
42"		130.0	42"		130.0	42"		103.5
48"		130.0	48"		125.4	48"		90.5
54"		130.0	54"		111.4	54"		80.5
60"		127.8	60"		100.3	60"		72.0
66"		116.2	66"		91.2	184-1/8"	36"	118.0
72"		106.5	72"		83.6		42"	101.0
78"		98.3	78"		77.1		48"	89.0
84"		91.3	84"		71.6		54"	79.0
90"		85.2	90"		66.9		60"	71.0
36"	108"	130.0	36"	132"	130.0	36"	192"	113.0
42"		130.0	42"		130.0	42"		97.0
48"		130.0	48"		123.5	48"		85.0
54"		130.0	54"		109.7	54"		75.0
60"		120.7	60"		98.8	60"		68.0
66"		109.7	138"	36"	130.0	196-3/4"	36"	110.0
72"		100.6		42"	130.0		42"	95.0
78"		92.9		48"	118.1		48"	83.0
84"		86.2		54"	105.0		54"	74.0
90"		80.5		60"	94.5		60"	66.0
36"	114"	130.0	36"	144"	130.0			
42"		130.0	42"		129.3			
48"		130.0	48"		113.2			
54"		127.1	54"		100.6			
60"		114.4	60"		90.5			
66"		104.0	147"	36"	119.0			
72"		95.3		42"	119.0			
78"		88.0		48"	111.0			
84"		81.7		54"	99.0			
90"		76.2		60"	89.0			

SEE SHEET 20 FOR WIND LOAD ANCHOR DETAILS

Sealed: 10/1/2026

FL #27101



**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-7000 ALUM CURTAIN 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

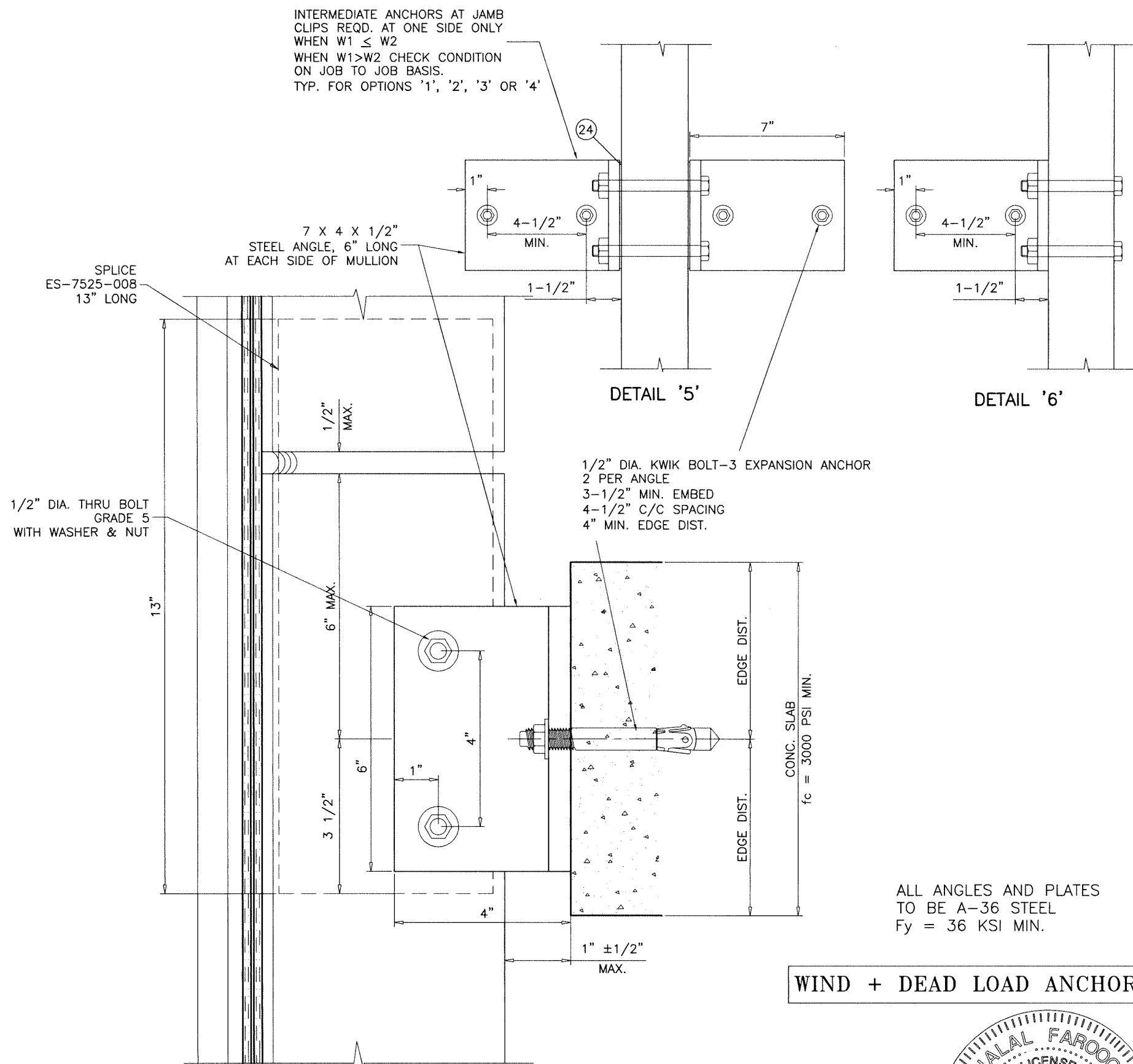
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scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
18-56F
sheet 20.1 of 30

COMP-ANL \ 18-56F-MG

MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)			MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)		
NOMINAL DIMS.		1/2" DIA. KWIK BOLT	NOMINAL DIMS.		1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT		WIDTH (W)	FRAME HEIGHT	
36"	90"	130.0	36"	147"	91.5
42"		130.0	42"		75.7
48"		116.3	48"		63.9
54"		101.3	54"		54.7
60"		89.3	60"		47.4
36"	96"	130.0	36"	150"	89.3
42"		125.9	42"		73.9
48"		107.9	48"		62.3
54"		93.8	54"		53.3
60"		82.5	60"		46.1
36"	99-3/4"	130.0	36"	156"	85.1
42"		120.5	42"		70.3
48"		103.1	48"		59.2
54"		89.6	54"		50.5
60"		78.7	60"		43.6
36"	102"	130.0	36"	159"	83.2
42"		117.4	42"		68.6
48"		100.4	48"		57.7
54"		87.2	54"		49.2
60"		76.6	60"		42.4
36"	108"	130.0	36"	168"	77.7
42"		109.9	42"		63.9
48"		93.8	48"		53.6
54"		81.3	54"		45.6
60"		71.3	60"		42.0
36"	114"	123.4	36"	180"	71.3
42"		103.1	42"		58.4
48"		87.9	48"		48.8
54"		76.0	54"		41.3
60"		66.5	60"		35.3
36"	120"	116.3	36"	184-1/8"	69.3
42"		97.0	42"		56.7
48"		82.5	48"		47.3
54"		71.3	54"		39.9
60"		62.3	60"		34.1
36"	126"	109.9	36"	192"	65.7
42"		91.5	42"		53.6
48"		77.7	48"		44.6
54"		67.0	54"		37.5
60"		58.4	60"		31.9
36"	132"	104.0	36"	196-3/4"	63.6
42"		86.5	42"		51.9
48"		73.3	48"		43.0
54"		63.1	54"		36.2
60"		54.9	60"		30.7
36"	138"	98.7			
42"		81.9			
48"		69.3			
54"		59.5			
60"		51.7			
36"	144"	93.8			
42"		77.7			
48"		65.7			
54"		56.3			
60"		48.8			

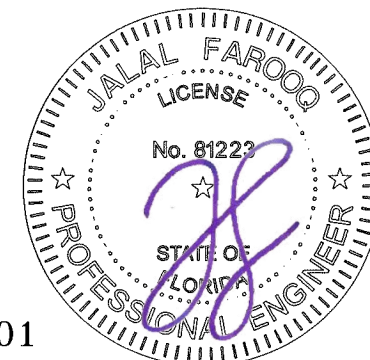
NOTE:
FOR SLABS LESS THAN 8 INCHES IN THICKNESS
ANCHORS TO BE DESIGNED ON JOB TO JOB BASIS.
THE DESIGN TO BE REVIEWED BY AUTHORITY HAVING
JURISDICTION.



INTERMEDIATE ANCHORS
DETAIL '5' AT CENTER MULLION
DETAIL '6' AT JAMB MULLION
ANCHORS INTO CONCRETE

Sealed: 10/1/2026

FL #27101



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 18-56F-MG

SERIES MG-7000 ALUM CURTAIN 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

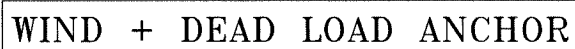
revisions:

no	date	by	description

date: 05-08-18
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
18-56F
sheet 21 of 30

EXTERIOR



A circular professional engineer license stamp for Jalal Farooq, License No. 81223, State of Florida. The stamp features the text "JALAL FAROOQ" at the top, "LICENSE" below it, "No. 81223" in the center, and "STATE OF FLORIDA" below that. The outer ring of the stamp reads "PROFESSIONAL ENGINEER" with two stars on either side. A large, stylized purple signature is written over the center of the stamp.

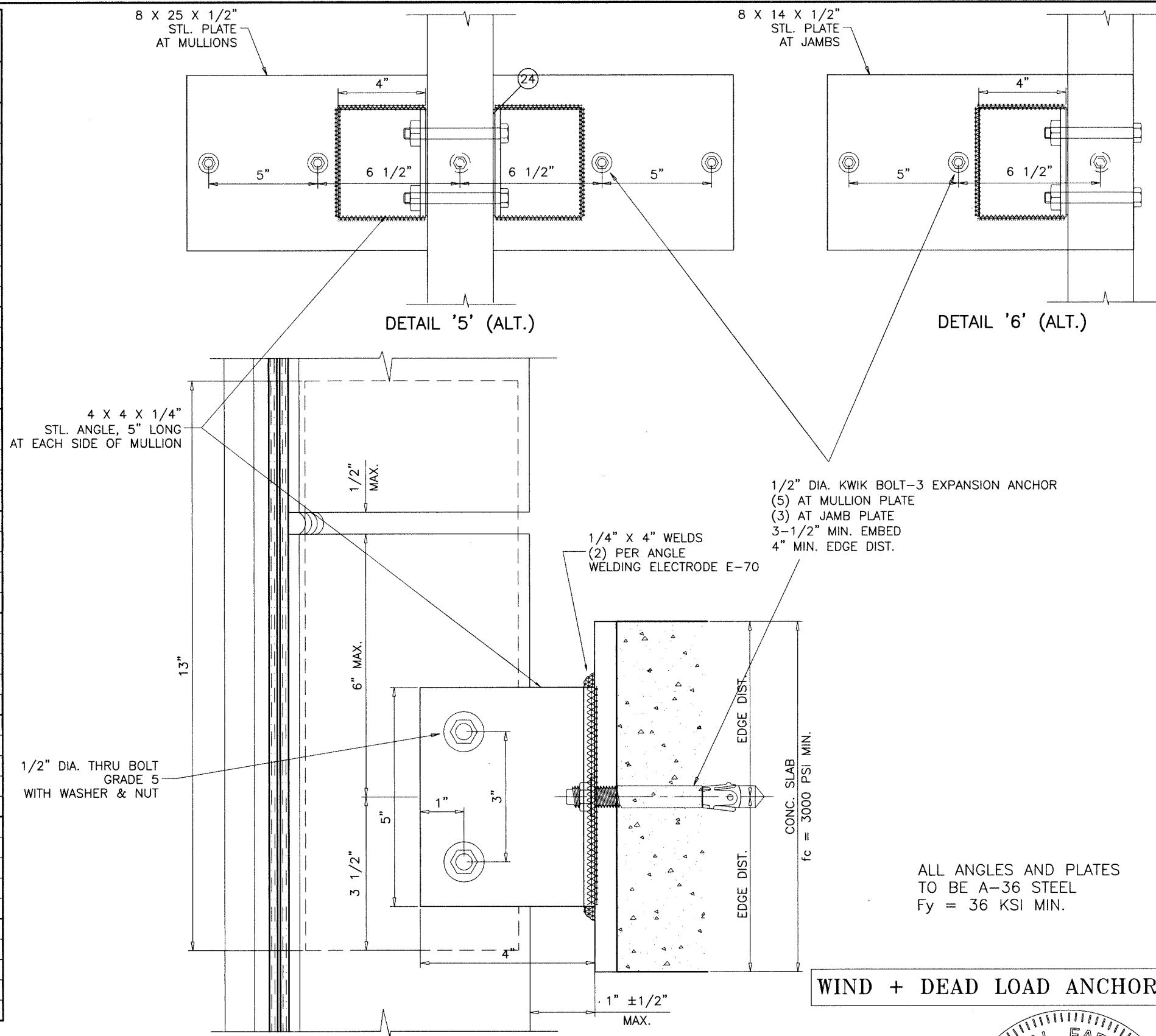
FL #27101

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COMP--ANL\18-56F--MG

MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)			MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)		
NOMINAL DIMS.		1/2" DIA. KWI BOLT	NOMINAL DIMS.		1/2" DIA. KWI BOLT
WIDTH (W)	FRAME HEIGHT		WIDTH (W)	FRAME HEIGHT	
36"	90"	130.0	36"	147"	119.1
42"		130.0	42"		99.4
48"		130.0	48"		84.6
54"		130.0	54"		73.1
60"		116.3	60"		63.9
36"	96"	130.0	36"	150"	116.3
42"		130.0	42"		97.0
48"		130.0	48"		82.5
54"		121.9	54"		71.3
60"		107.9	60"		62.3
36"	99-3/4"	130.0	36"	156"	111.1
42"		130.0	42"		92.6
48"		130.0	48"		78.6
54"		116.6	54"		67.8
60"		103.1	60"		59.2
36"	102"	130.0	36"	159"	108.7
42"		130.0	42"		90.5
48"		130.0	48"		76.8
54"		113.6	54"		66.2
60"		100.4	60"		57.7
36"	108"	130.0	36"	168"	101.8
42"		130.0	42"		84.6
48"		121.9	48"		71.7
54"		106.3	54"		61.6
60"		93.8	60"		57.0
36"	114"	130.0	36"	180"	93.8
42"		130.0	42"		77.7
48"		114.5	48"		65.7
54"		99.7	54"		56.3
60"		87.9	60"		48.8
36"	120"	130.0	36"	184-1/8"	91.3
42"		125.9	42"		75.6
48"		107.9	48"		63.8
54"		93.8	54"		54.6
60"		82.5	60"		47.3
36"	126"	130.0	36"	192"	86.8
42"		119.1	42"		71.7
48"		101.8	48"		60.4
54"		88.4	54"		51.6
60"		77.7	60"		44.6
36"	132"	130.0	36"	196-3/4"	84.2
42"		112.8	42"		69.5
48"		96.3	48"		58.5
54"		83.6	54"		49.9
60"		73.3	60"		43.0
36"	138"	128.0			
42"		107.1			
48"		91.3			
54"		79.1			
60"		69.3			
36"	144"	121.9			
42"		101.8			
48"		86.8			
54"		75.0			
60"		65.7			

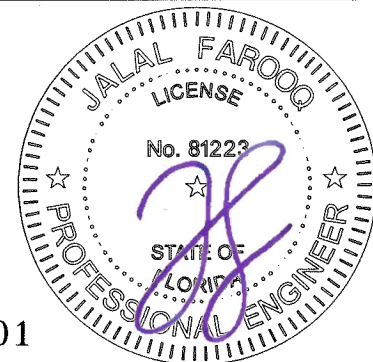
NOTE:
FOR SLABS LESS THAN 8 INCHES IN THICKNESS
ANCHORS TO BE DESIGNED ON JOB TO JOB BASIS.
THE DESIGN TO BE REVIEWED BY AUTHORITY HAVING
JURISDICTION.



INTERMEDIATE ANCHORS
DETAIL '5' AT CENTER MULLION
DETAIL '6' AT JAMB MULLION
ANCHORS INTO CONCRETE

Sealed: 10/1/2026

FL #27101



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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(C.A.N. 3538)

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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

revisions:

no	date	by	description

date: 05-08-18

scale: 3/8" = 1"

dr. by: TARIQ

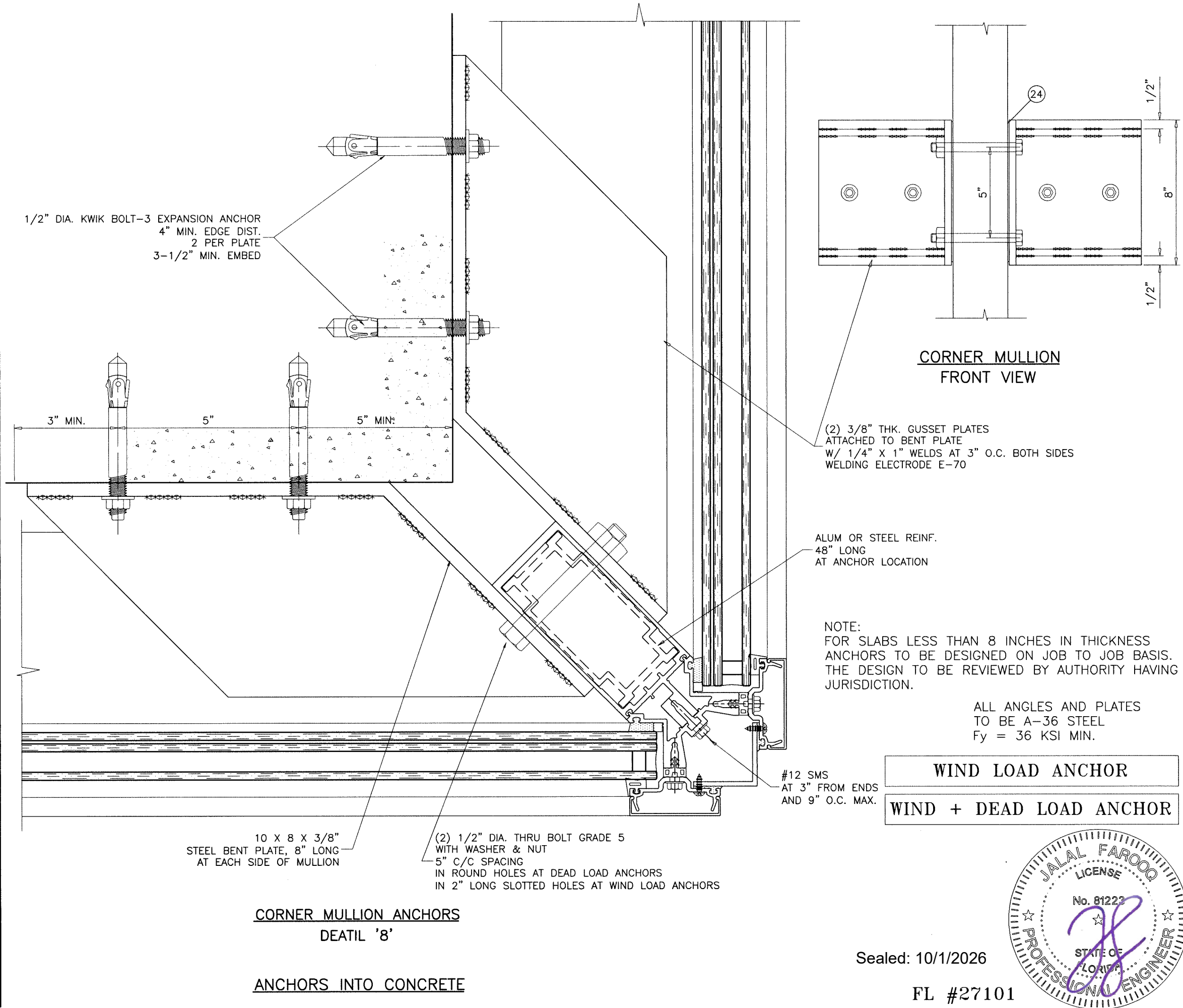
chk. by:

drawing no.

18-56F

sheet 23 of 30

MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)		
NOMINAL DIMS.		1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT	
36"	108"	100.0
40"		100.0
42"		100.0
48"		89.6
50"		86.0
54"		79.6
60"		71.7
36"	114"	100.0
40"		100.0
42"		97.0
48"		84.9
50"		81.5
54"		75.4
60"		67.9
36"	120"	100.0
40"		96.7
42"		92.1
48"		80.6
50"		77.4
54"		71.7
60"		64.5
36"	126"	100.0
40"		92.1
42"		87.7
48"		76.7
50"		73.7
54"		68.2
60"		61.4
36"	132"	97.7
40"		87.9
42"		83.8
48"		73.3
50"		70.4
54"		65.1
60"		58.6
36"	138"	93.5
40"		84.1
42"		80.1
48"		70.1
50"		67.3
54"		62.3
60"		56.1
36"	144"	89.6
40"		80.6
42"		76.8
48"		67.2
50"		64.5
54"		59.7
60"		53.7
36"	150"	86.0
40"		77.4
42"		73.7
48"		64.5
50"		61.9
54"		57.3



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 18-56F-MG

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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revisions:

no	date	by	description

date: 05-08-18

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

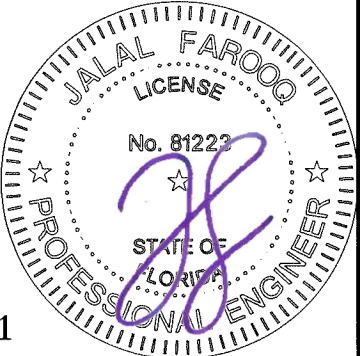
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18-56F

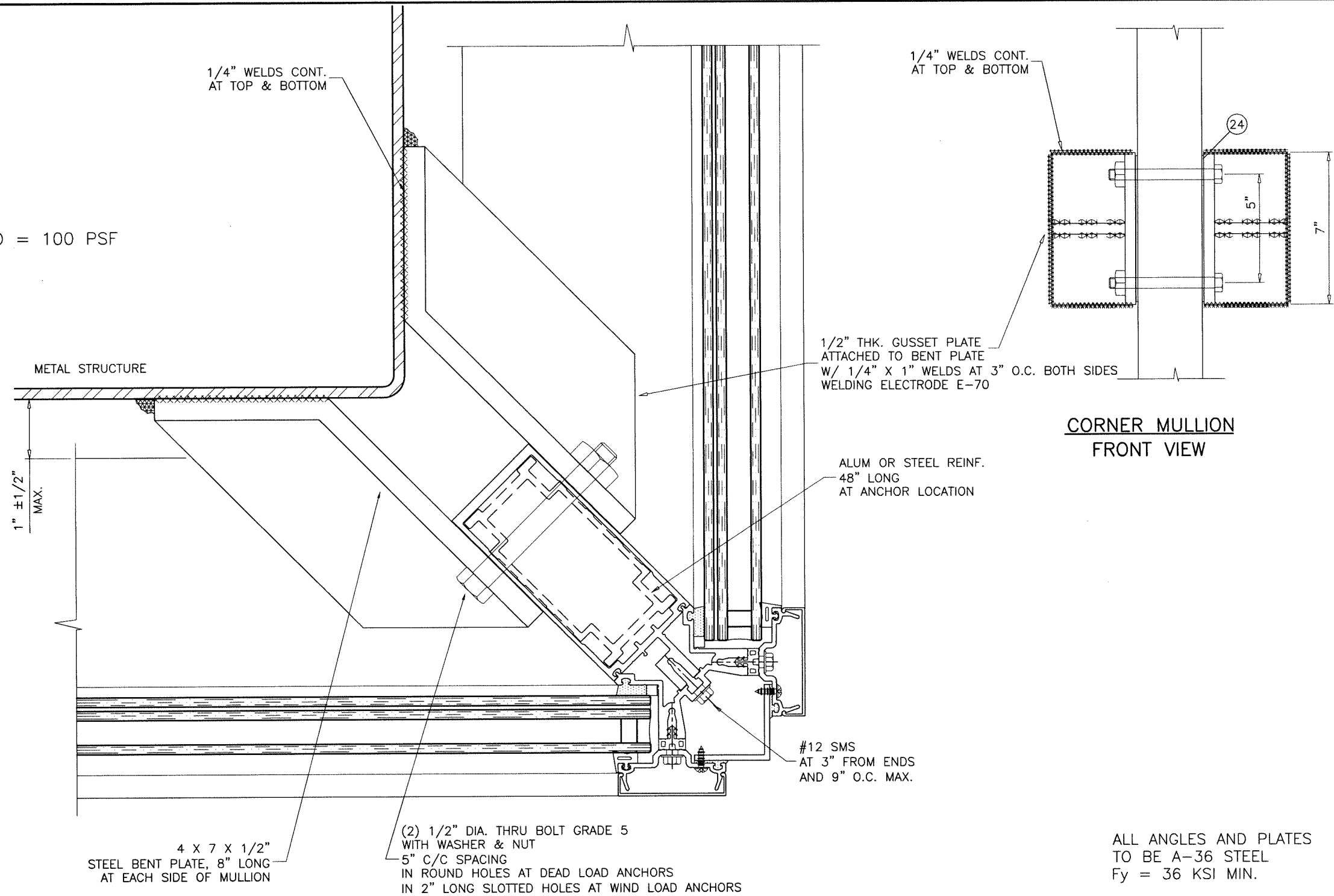
sheet 24 of 30

Sealed: 10/1/2026

FL #27101



MAX. DESIGN LOAD = 100 PSF



CORNER MULLION ANCHORS
DETAIL '8' (ALT.)

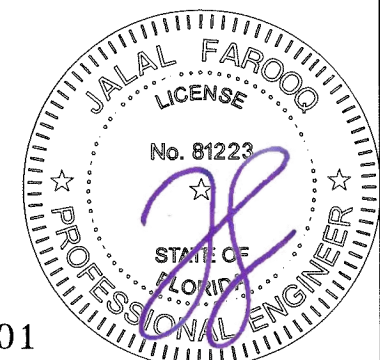
ANCHORS INTO METAL STRUCTURES
1/4" MIN. THICKNESS STEEL

WIND LOAD ANCHOR

WIND + DEAD LOAD ANCHOR

Sealed: 10/1/2026

FL #27101



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) 262-6978
COMP-ANL\18-56F-MG

SERIES MG-7000 ALUM CURTAIN 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

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scale: 3/8" = 1"

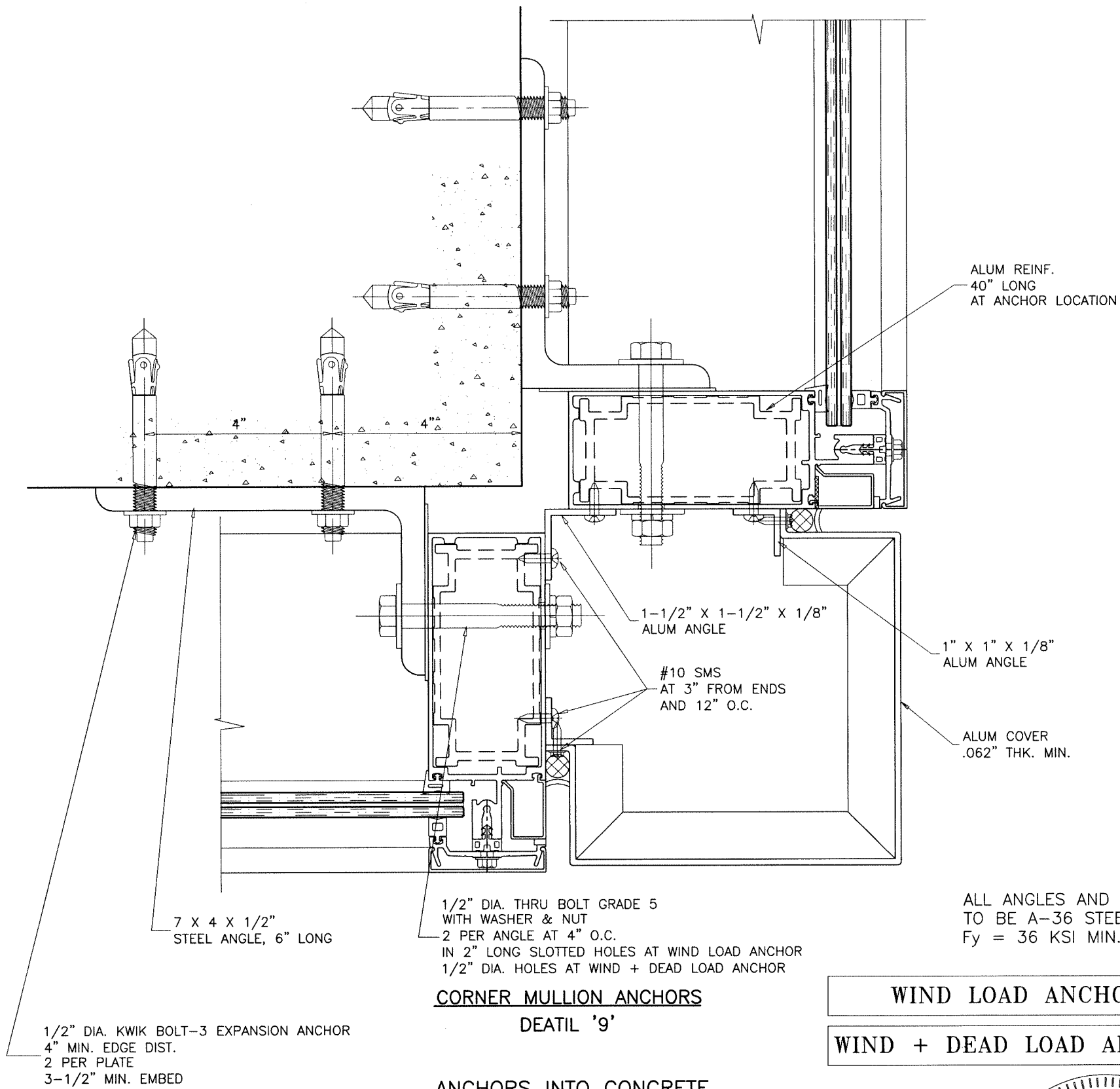
dr. by: TARIQ

chk. by:

drawing no.
18-56F

sheet 25 of 30

WIND LOAD ANCHOR			WIND + DEAD LOAD ANCHOR		
MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)			MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)		
NOMINAL DIMS.		1/2" DIA. KWIK BOLT	NOMINAL DIMS.		1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT		WIDTH (W)	FRAME HEIGHT	
36"	108"	74.0	36"	108"	58.6
40"		66.6	40"		51.2
42"		63.4	42"		48.0
48"		55.5	48"		40.1
50"		53.3	50"		37.9
54"		49.3	54"		34.0
60"		44.4	60"		29.0
36"	114"	70.1	36"	114"	54.7
40"		63.1	40"		47.7
42"		60.1	42"		44.7
48"		52.6	48"		37.2
50"		50.5	50"		35.1
54"		46.7	54"		31.4
60"		42.1	60"		26.7
36"	120"	66.6	36"	120"	51.2
40"		59.9	40"		44.6
42"		57.1	42"		41.7
48"		49.9	48"		34.6
50"		47.9	50"		32.6
54"		44.4	54"		29.0
60"		39.9	60"		24.6
36"	126"	63.4	36"	126"	48.0
40"		57.1	40"		41.7
42"		54.4	42"		39.0
48"		47.6	48"		32.2
50"		45.7	50"		30.3
54"		42.3	54"		26.9
60"		38.0	60"		22.7
36"	132"	60.5	36"	132"	45.2
40"		54.5	40"		39.1
42"		51.9	42"		36.5
48"		45.4	48"		30.0
50"		43.6	50"		28.2
54"		40.4	54"		25.0
60"		36.3	60"		21.0
36"	138"	57.9	36"	138"	42.5
40"		52.1	40"		36.7
42"		49.6	42"		34.3
48"		43.4	48"		28.1
50"		41.7	50"		26.3
54"		38.6	54"		23.2
60"		34.7	60"		19.4
36"	144"	55.5	36"	144"	40.1
40"		49.9	40"		34.6
42"		47.6	42"		32.2
48"		41.6	48"		26.2
50"		39.9	50"		24.6
54"		37.0	54"		21.6
60"		33.3	60"		17.9
36"	150"	53.3	36"	150"	37.9
40"		47.9	40"		32.6
42"		45.7	42"		30.3
48"		39.9	48"		24.6
50"		38.4	50"		23.0
54"		35.5	54"		20.1



NOTE:
FOR SLABS LESS THAN 8 INCHES IN THICKNESS
ANCHORS TO BE DESIGNED ON JOB TO JOB BASIS.
THE DESIGN TO BE REVIEWED BY AUTHORITY HAVING
JURISDICTION.

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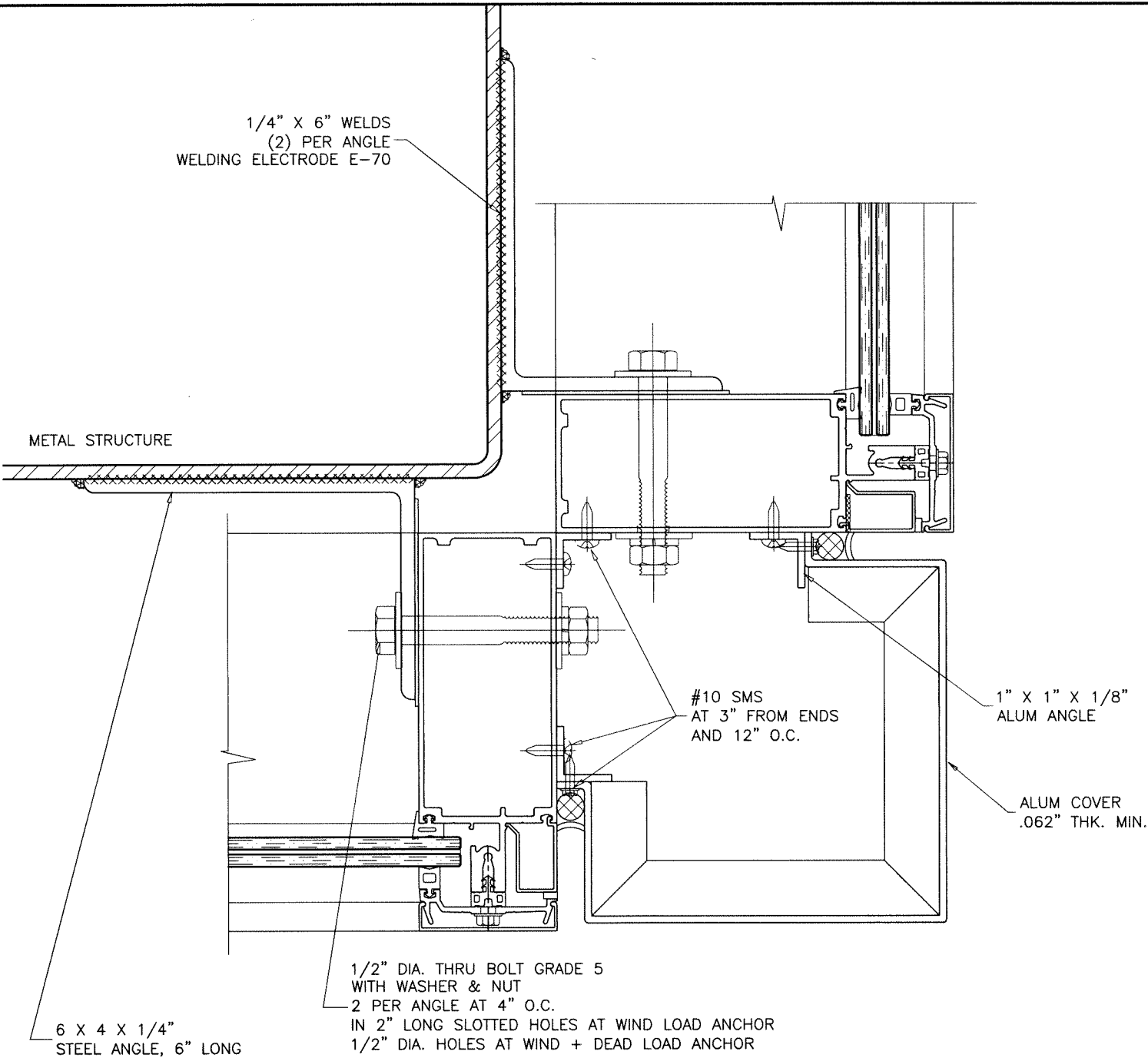
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18-56F
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MAX. DESIGN LOAD = 100 PSF

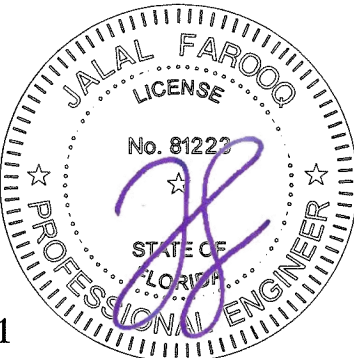


CORNER MULLION ANCHORS
DETAIL '9' (ALT.)

ANCHORS INTO METAL STRUCTURES
1/4" MIN. THICKNESS STEEL

ALL ANGLES AND PLATES
TO BE A-36 STEEL
Fy = 36 KSI MIN.

- WIND LOAD ANCHOR
- WIND + DEAD LOAD ANCHOR



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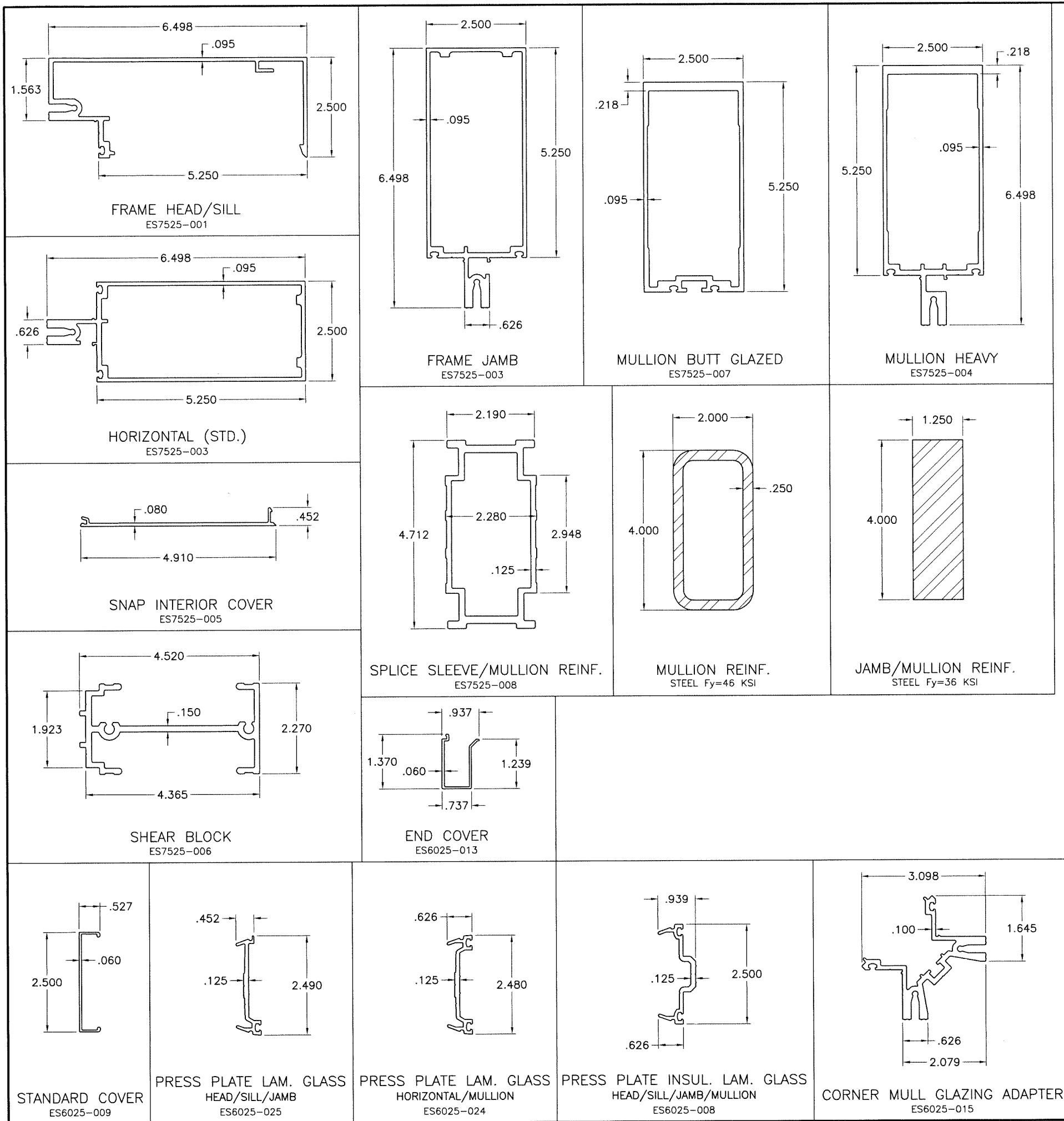
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sheet 27 of 30



EXT. GLAZING GASKET
G6 (LAMINATED GLASS)

EXT. GLAZING GASKET
G1 (INSUL. LAM. GLASS)
ES-6025-G01A

EXT. GLAZING GASKET
G2 (1-1/8" INSUL. LAM. GLASS)
ES-6025-G10

EXT. GLAZING GASKET
G3 (1-3/8" INSUL. LAM. GLASS)
ES-6025-G12S

DENSE RUBBER EXTRUSIONS BY 'TREMCO'
SCALE 1:1

HARDNESS = 68-71 SHORE A
TENSILE STRENGTH (BREAK)= 1810-1925 PSI
ELONGATION AT BREAK = 350-530%
TEAR STRENGTH = 143-209 LBF/IN

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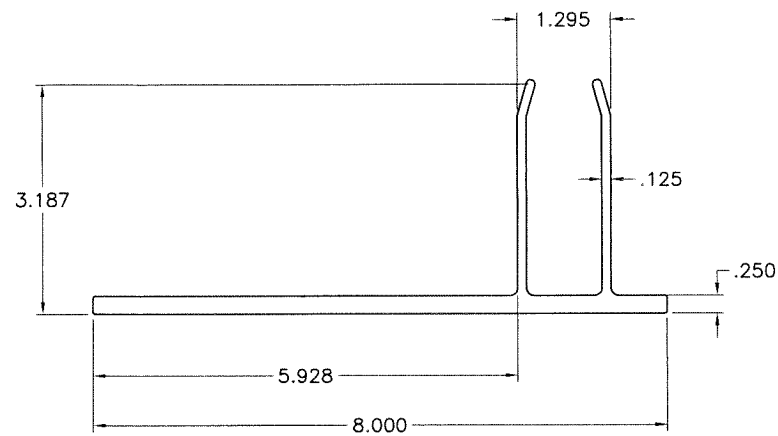
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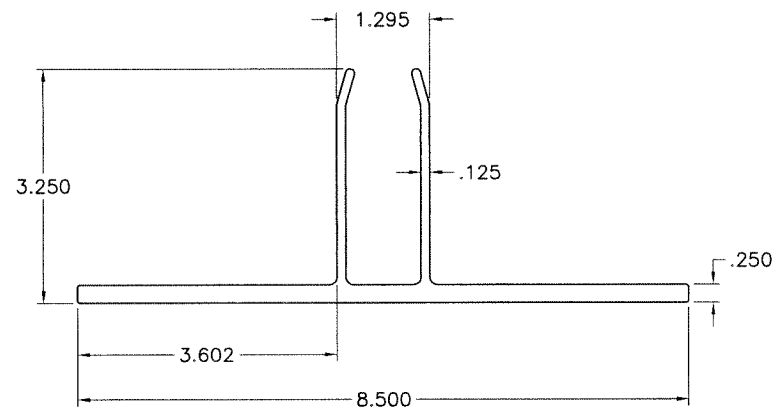
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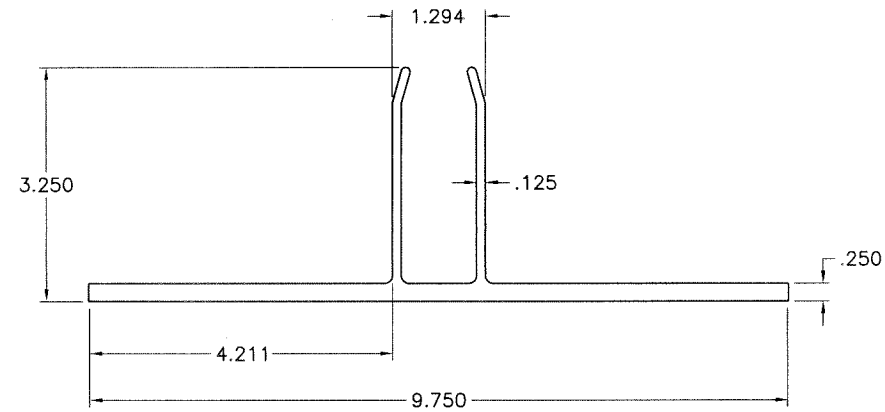
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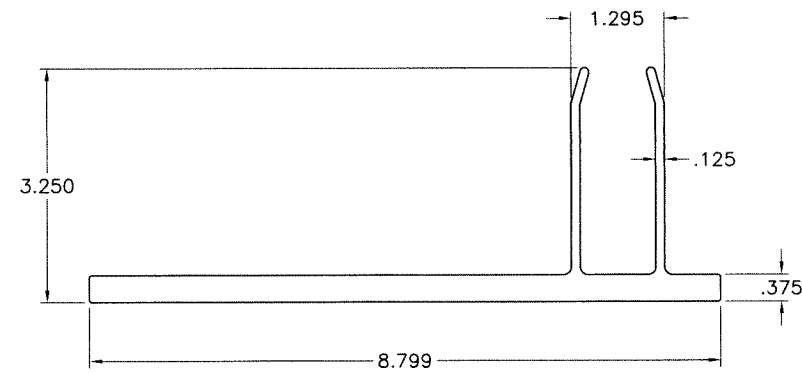
'F' ANCHOR CLIP
ES-7525-51



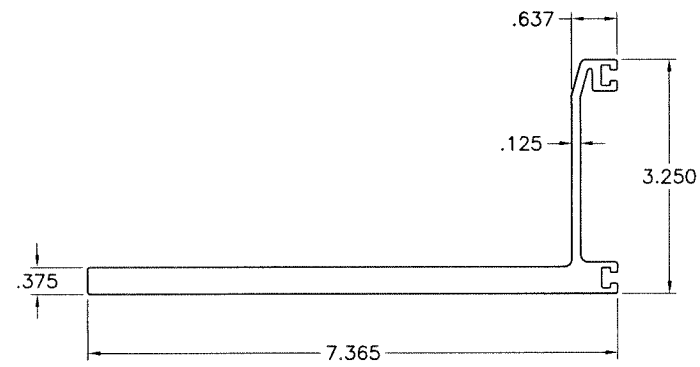
'T' ANCHOR CLIP
ES-7525-50



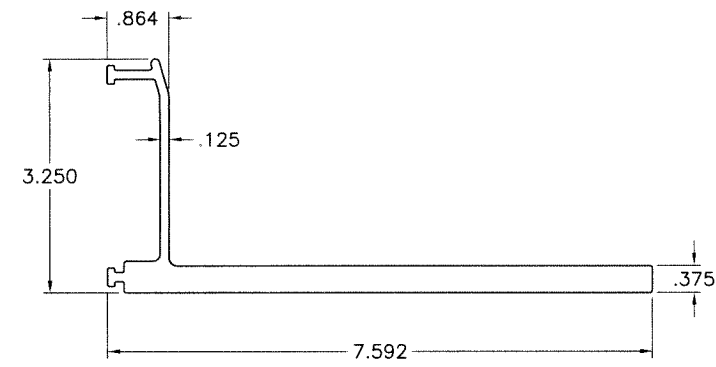
'T' ANCHOR CLIP
ES-7525-052



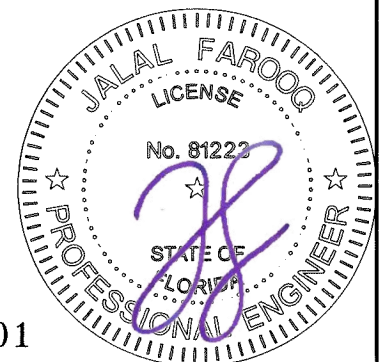
'F' ANCHOR CLIP
ES-7525-061



FEMALE MULLION CLIP
ES-7525-059



MALE MULLION CLIP
ES-7525-060



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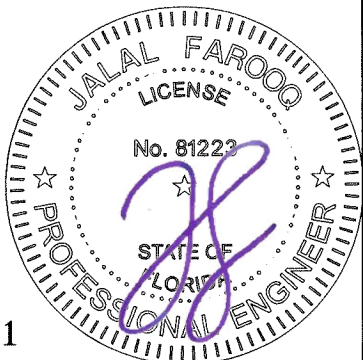
sheet 28.1 of 30

ITEM NO.	PART NO.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES-7525-001	HEAD	6063-T5	
2	ES-7525-001	SILL	6063-T5	
3	ES-7525-003	JAMB	6063-T6	
4	ES-7525-003	MULLION STD.	6063-T6	
5	ES-7525-003	HORIZONTAL STD.	6063-T6	
6	ES-7525-002	OPEN HORIZONTAL	6063-T6	
7	ES-7525-004	VERTICAL MULLION HEAVY	6063-T6	
8	ES-7525-005	SNAP INTERIOR COVER (HEAD/SILL/HORIZONTAL)	6063-T5	
9	ES-7525-006	SHEAR BLOCK	6063-T5	1 1/4" LG.
10	ES-7525-007	ALT. VERTICAL MULLION BUTT GLAZED	6063-T6	
11	ES-7525-008	SPLICE SLEEVE	6063-T6	6" LG.
11A	ES-7525-008	SPLICE SLEEVE AS MID-ANCHOR REINF.	6063-T6	40" LG.
11B	ES-7525-008	SPLICE SLEEVE AS MULLION REINF	6063-T6	MULLION LG. -6"
11C	ES-7525-008	SPLICE SLEEVE AS ANCHOR SLEEVE	6063-T6	3" LG.
12	ES-6025-008	DEEP PRESSURE PLATE	6063-T5	1 5/16" GLASS
13	ES-6025-009	STANDARD COVER	6063-T5	
14	ES-6025-010	JAMB END ANCHOR	6063-T5	4 3/4" LG.
15	ES-6025-011*	MULLION END ANCHOR	6063-T5	* MODIFIED (4" LG.)
15A	ES-6025-011*	CORNER END ANCHOR	6063-T5	* MODIFIED (SEE DET.)
16	ES-6025-013	POCKET FILLER	6063-T5	
17	ES-6025-015	90° ADAPTER	6063-T6	
18	ES-6025-017	90° INTERIOR ADAPTER	6063-T5	
19	ES-6025-018	90° INTERIOR COVER	6063-T5	
20	AL-019	SHEAR BLOCK FOR 90° OUTSIDE CORNER	6063-T5	LEFT & RIGHT (1 1/2" x 1 1/2" x 1/8")
21	AL-023	EXTERIOR COVER - 90° OUTSIDE CORNER	6063-T5	LEFT & RIGHT (1 3/4" x 1 3/4" x 1/8")
22	ES-6025-G01	INTERIOR / EXTERIOR GASKET	EPDM	
23	ES-6025-G02	ISOLATOR	EPDM	
24	ES-6025-G04	SPACER AT JAMB	EPDM	1 5/16" GLASS
25	ES-6025-G05	INTERIOR SPACER FOR SILICONE BUTT GLAZE	SILICONE **	**OR SILICONE COMPATIBLE EPDM 70 DURO.
26	ES-6025-G07	POLYURETHANE TAPE (ADHESIVE 1 SIDE)	POLYURETHANE	1/4" x 1/4" REF: NORTON V-2100
27	ES-6025-B04	SETTING BLOCK, 4" LONG, ADHESIVE 1 SIDE	EPDM	DUROMETER 80±5 SHORE A
28	ES-6025-B07	JOINT PLUG EXTENSION	FOAM	
29	ES-6025-B08	JOINT PLUG FOR BUTT GLAZING	EPDM	
30	ES-6025-B09	END PLUG	FOAM	3/4" LONG. (CANT: 2/HEAD + 2/SILL)
31	ES-6025-B10	JOINT PLUG	FOAM	1 5/16" GLASS
32	ES-6025-C02	MULLION END CAP	ALUM. SHEET	1 5/16" GLASS
33	ES-6025-C05	90° OUTSIDE CORNER MULLION END CAP	ALUM. SHEET	1 5/16" GLASS
34	ES-6025-M01	STD. FLOOR ANCHOR WIND LOAD	PAINTED ST.	4" x 4" x 1/4" ANGLE, 5" LONG.
34A	ES-6025-M02	STD. FLOOR ANCHOR DEAD LOAD	PAINTED ST.	4" x 4" x 1/4" ANGLE, 5" LONG.
35	ES-6025-M16	90° CORNER FLOOR ANCHOR DEAD LOAD	PAINTED ST.	FORMED STEEL ANGLE, 5" LONG.
36	--	TUBE REINFORCEMENT	STEEL	2" X 4" X 1/4"
36A	--	BAR REINFORCEMENT	STEEL	1-1/4" X 4"
37	ES-6025-M03	ANCHOR METAL SEPARATOR	NYLON SHEET	1/FLOOR ANCHOR
38	F4	#8 x 1/2" PHSMS	ST.	FOR ATTACH MULLION END CAP
39	F6	#12 x 3/4" FHSMS	ST. ST.	FOR ATTACH HORIZONTAL TO SHEAR BLOCK
40	F7	1/4" - 20 x 1 1/2" HH TYPE "F"	ST. ST.	FOR ATTACH SHEAR BLOCK TO VERTICAL
41	F8	1/4" - 20 x 1/2" HH TYPE "F"	ST. ST.	FOR ATTACH SHEAR BLOCK TO VERT. COR.
42	F9	HBOLT 1/2" - 20 x 4" HWHMS	ST. ST.	FOR ATTACH FLOOR ANCHOR TO VERTICAL
43	F10	1/4" x 1" HWH TYPE AB PT.	ST. ST.	FOR ATTACH PRESSURE PLATE
44	F11	1/2" PLAIN FLAT WASHER	ST. ST.	FLOOR ANCHOR ASSEMBLY
45	F12	1/2" LOCK WASHER	ST. ST.	FLOOR ANCHOR ASSEMBLY
46	F13	1/2" - 20 HEX BOLT NUT HHMS	ST. ST.	FLOOR ANCHOR ASSEMBLY
47	F14	#10 x 3/8" HH TYPE F	ST. ST.	90° INTERIOR COVER
48	--	SILICONE DOW 795	SILICONE	FOR PERIMETER & WEATHER SEALS
49	--	SILICONE DOW 995	SILICONE	FOR STRUCTURAL JOINTS
50	ES-6025-G06	EXTERIOR GLAZING GASKET (LAM. GLASS)	EPDM	-
51	--	BUMPON SPACER	SILICONE	-

ITEM NO.	PART NO.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
52	ES-7525-50	'T' ANCHOR CLIP	6005-T5	-
52A	ES-7525-52	'T' ANCHOR CLIP	6005-T5	-
53	ES-7525-51	'F' ANCHOR CLIP	6005-T5	-
54	ES-7525-061	'F' ANCHOR CLIP	6005-T5	-
55	ES-7525-059	FEMALE MULLION CLIP	6005-T5	-
56	ES-7525-060	MALE MULLION CLIP	6005-T5	-

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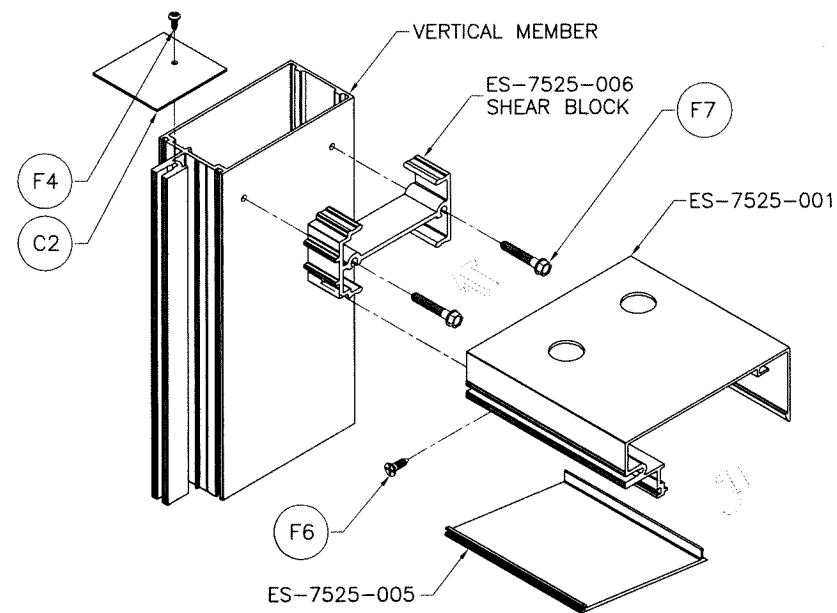
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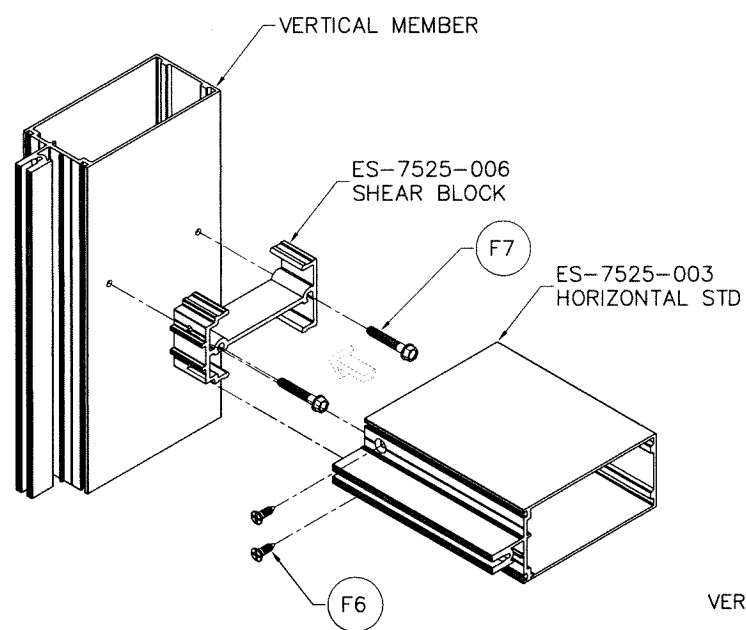
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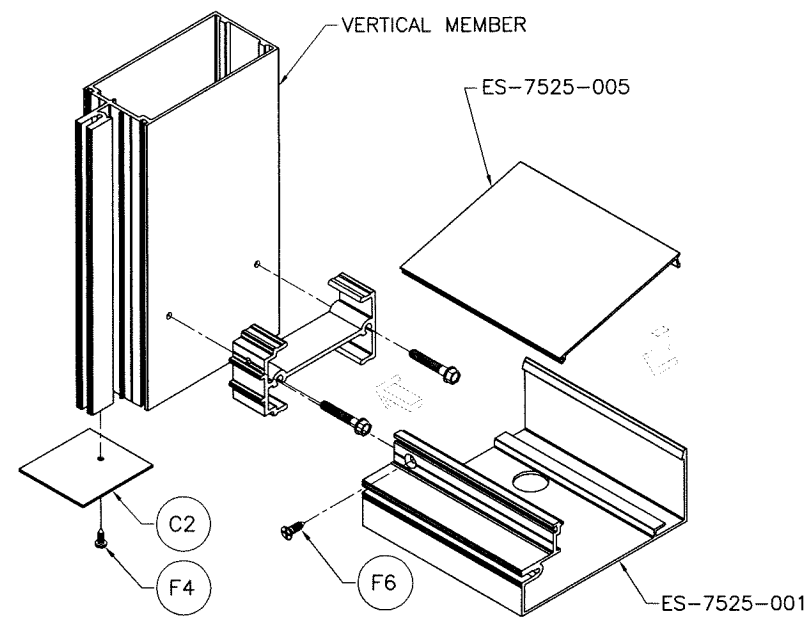
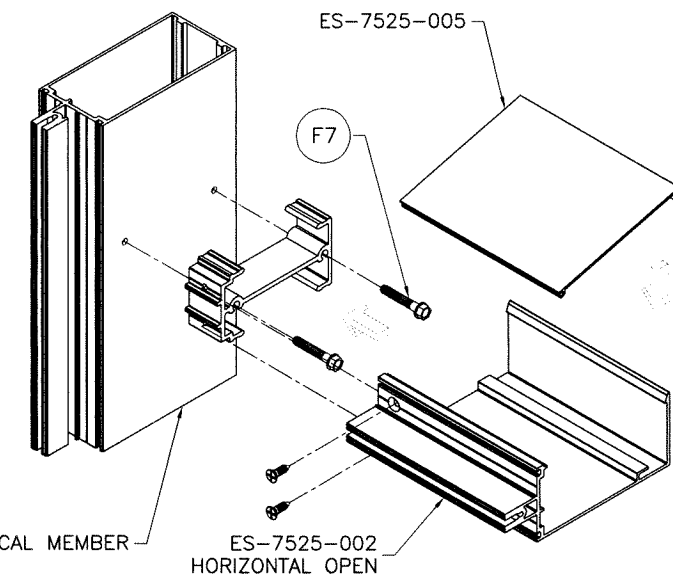
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FRAME TOP CORNER



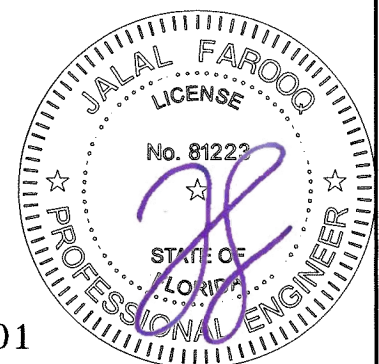
FRAME HORIZONTAL CORNERS



FRAME BOTTOM CORNER

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