

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 2020 (7TH EDITION)/2023 (8TH 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 HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE 2020/2023 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)'.

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 4.4 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 & 4.4	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

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.

Sealed: 10/2/2023

FL #27101

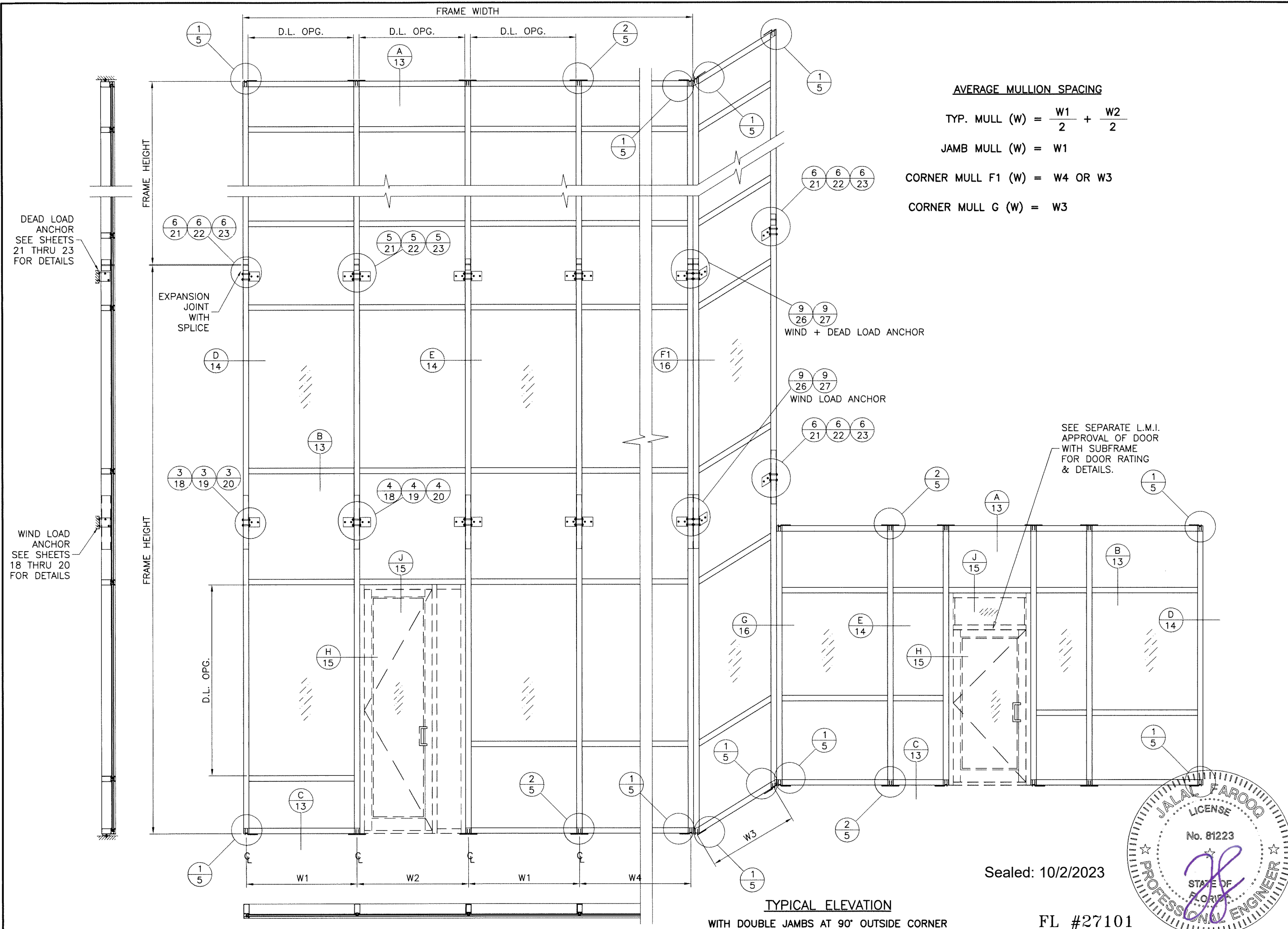


AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

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
	A	07.22.20		UPDATED TO 2020 FBC
	B	07.21.23		UPDATED TO 2023 FBC
date:	05-08-18			
scale:	-			
dr. by:	TARIQ			
chk. by:				
drawing no.	18-56F			
sheet	1 of 30			



AVERAGE MULLION SPACING

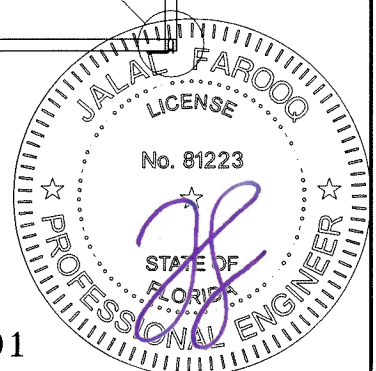
$$\text{TYP. MULL (W)} = \frac{W1}{2} + \frac{W2}{2}$$

$$\text{JAMB MULL (W)} = W1$$

$$\text{CORNER MULL F1 (W)} = W4 \text{ OR } W3$$

$$\text{CORNER MULL G (W)} = W3$$

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TYPICAL ELEVATION
WITH DOUBLE JAMBS AT 90° OUTSIDE CORNER

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COMP-ANL 18-56F-MG

18-56F

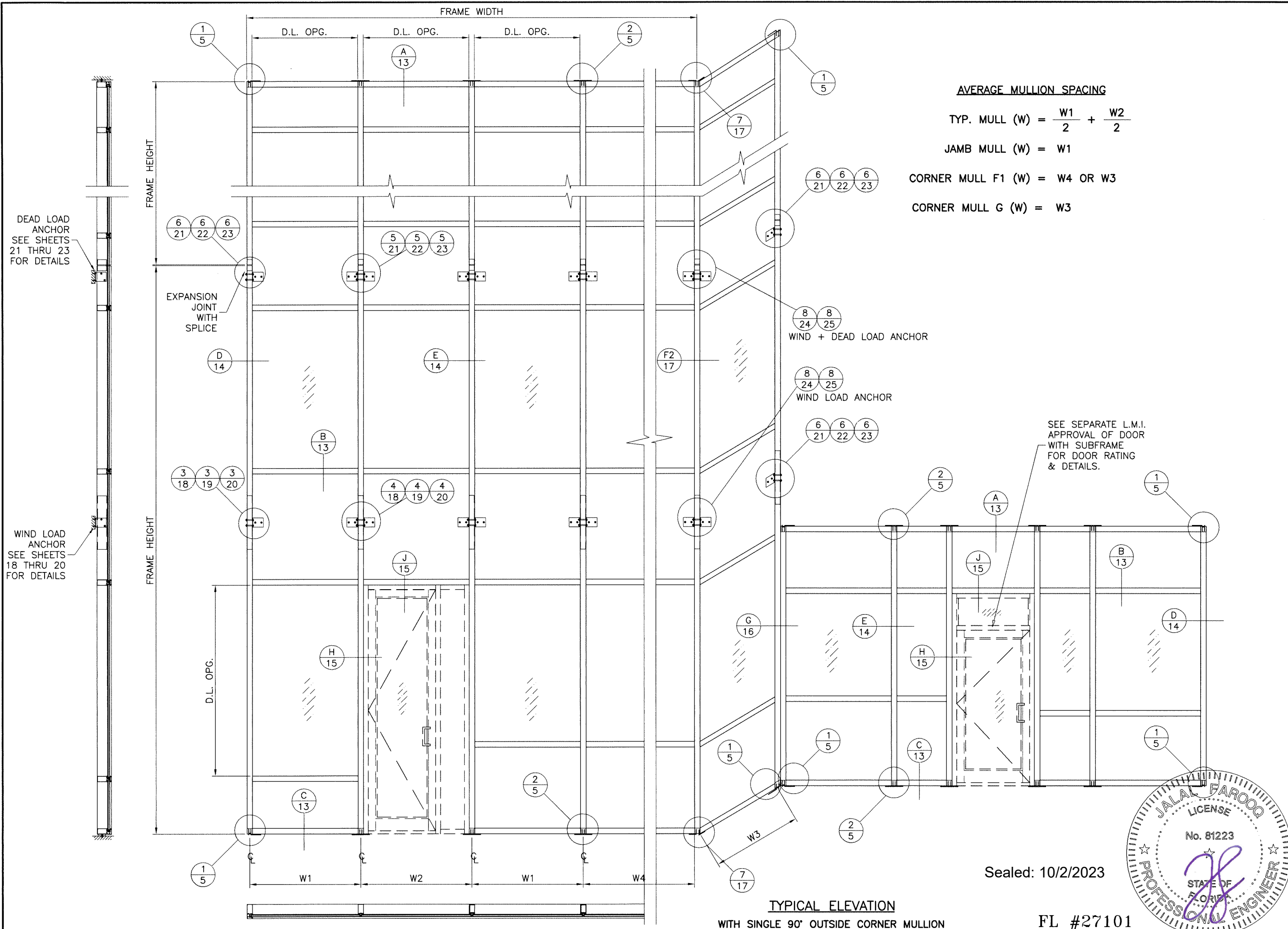
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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8051 N.W. 79th Place
Medley, FL. 33166
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18-56F

Revisions:	
no	by description

date: 05-08-18	scale: 1/4"=1'-0"	dr. by: TARIQ	chk. by:	drawing no. 18-56F
				sheet 2 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

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COMP-ANL 18-56F-MG

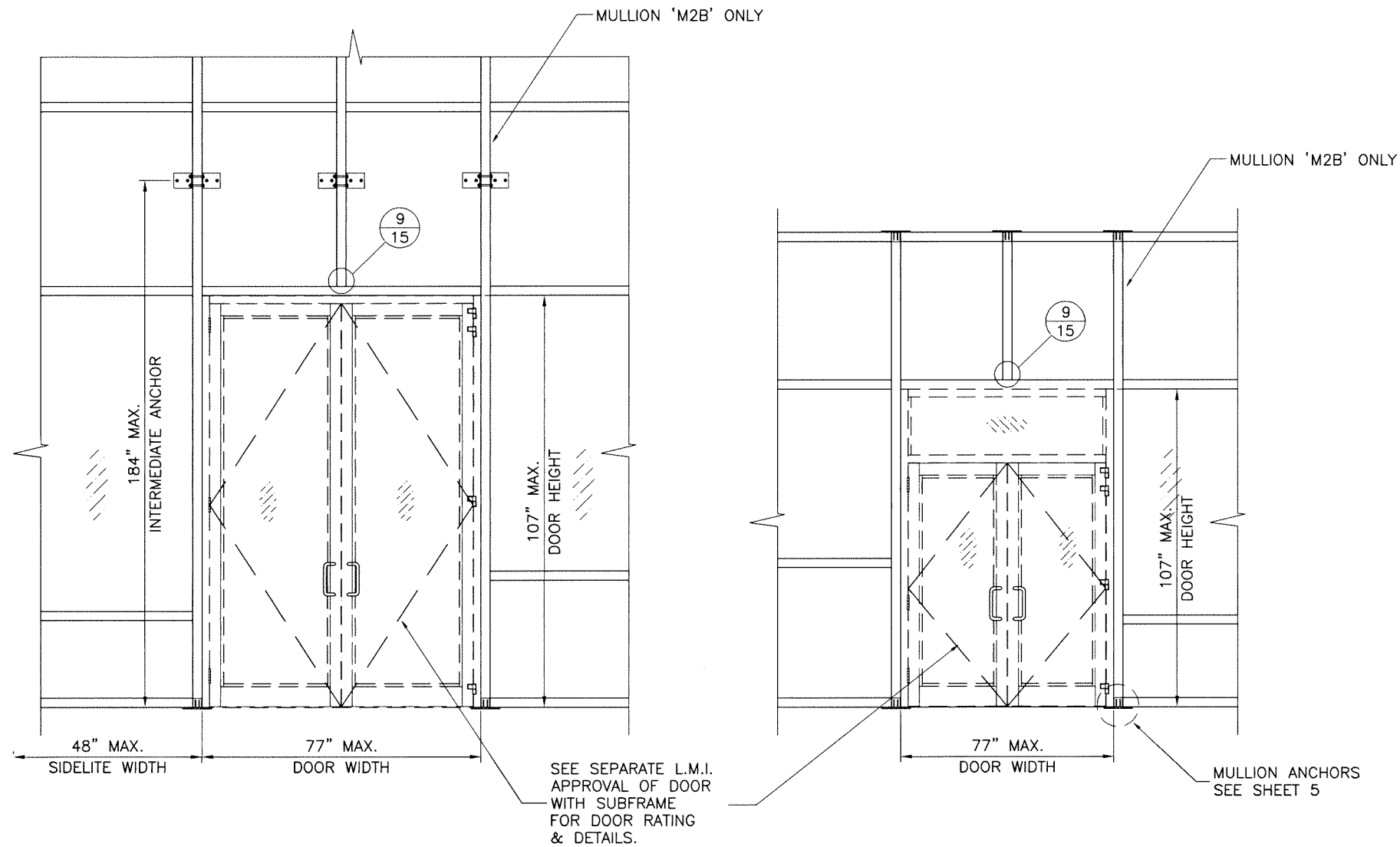
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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8051 N.W. 79th Place
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Revisions:	
no	by description

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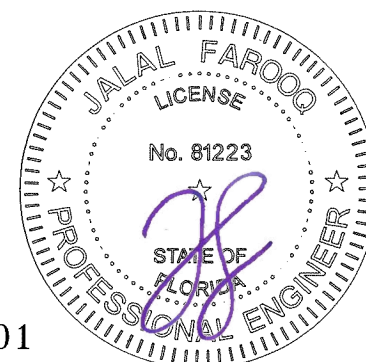
drawing no.
18-56F
sheet 3 of 30



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

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FL #27101



revisions:		date	by	description
no	date	by	description	

date: 05-08-18
scale: 1/4" = 1'-0"
dr. by: TARIQ
chk. by:

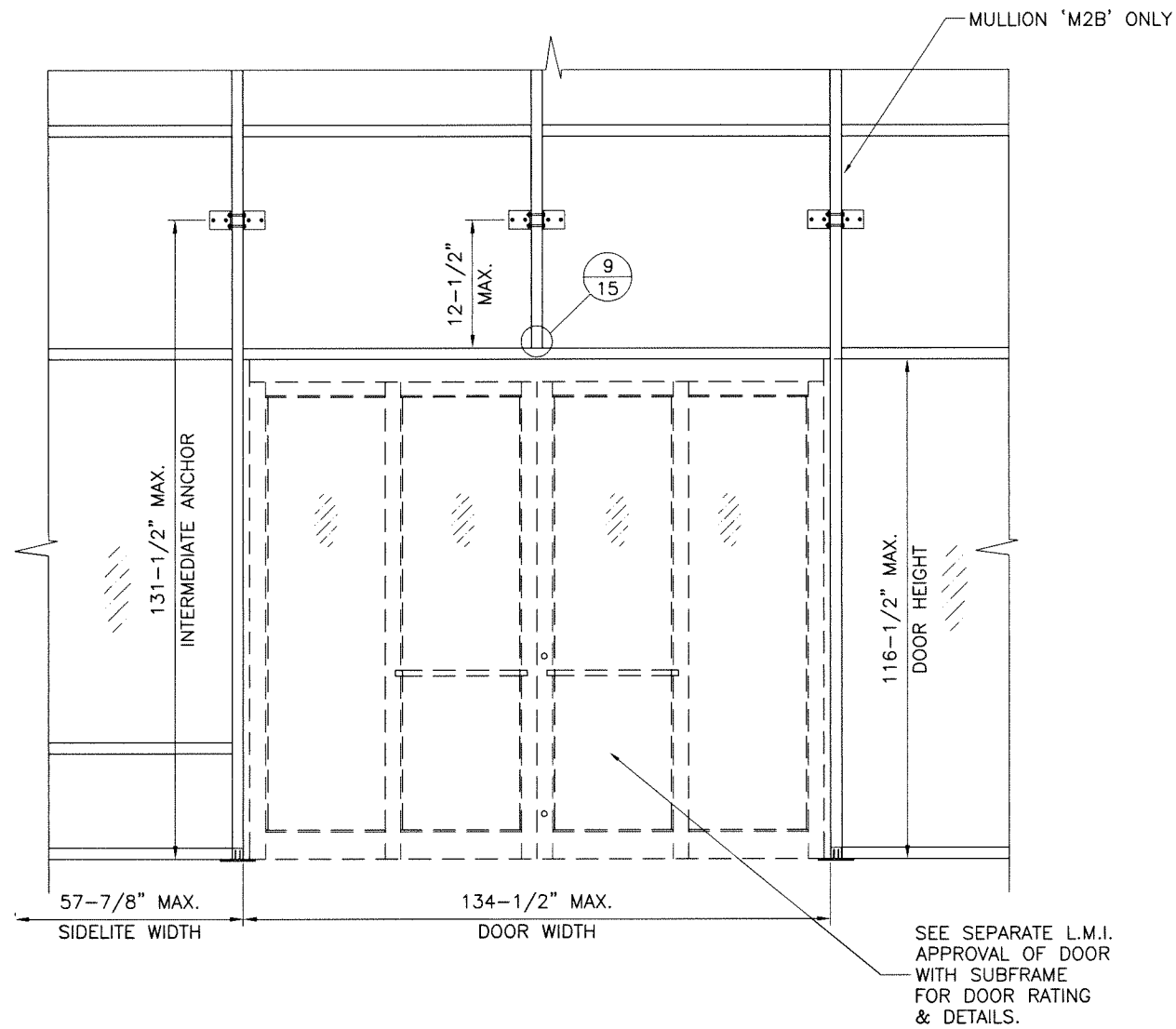
drawing no.
18-56F
sheet **3.1** of **30**

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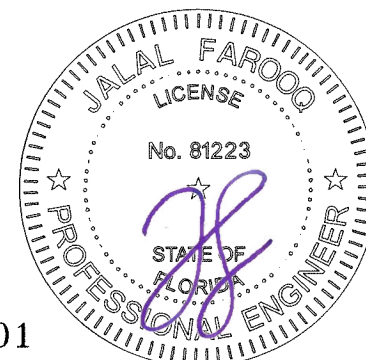
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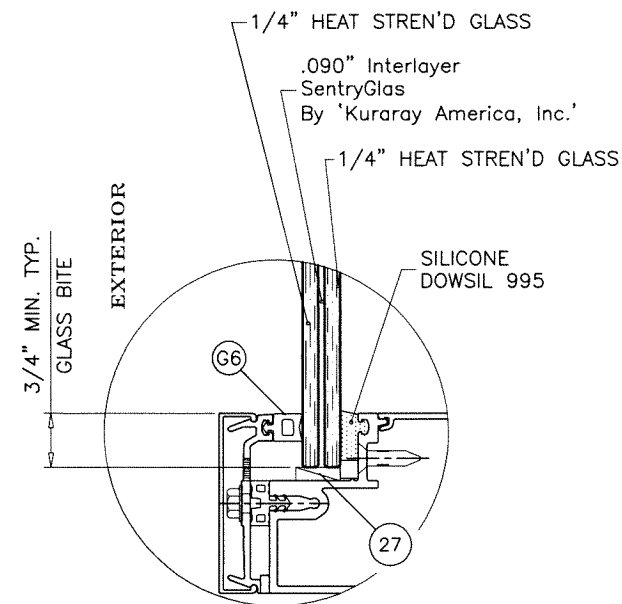


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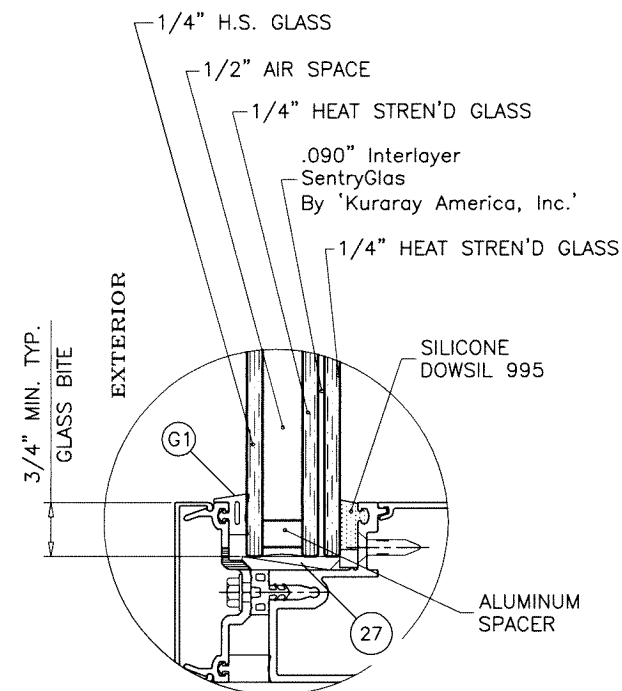
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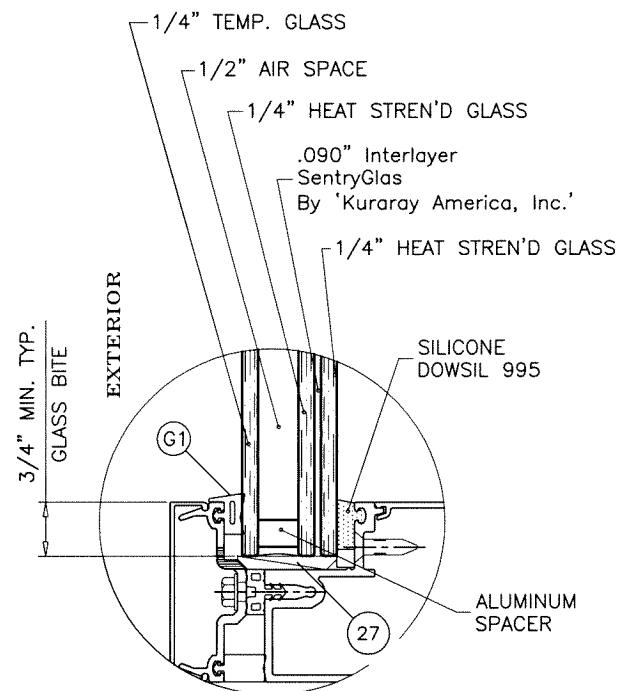
AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978 (C.A.N. 3538)		af c COMP-ANL 18-56F-MG
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)		
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC 8051 N.W. 79th Place Medley, 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		



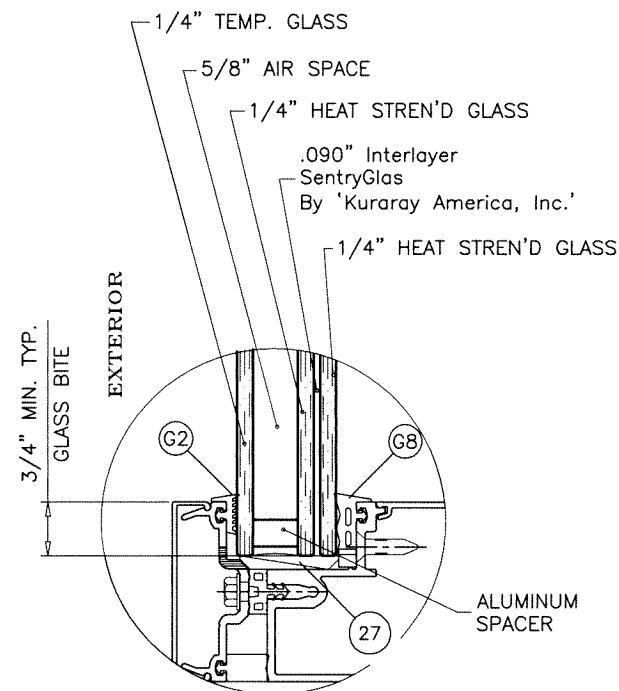
GLASS TYPE 'A'



GLASS TYPE 'A1'



GLASS TYPE 'A2'



GLASS TYPE 'A3'

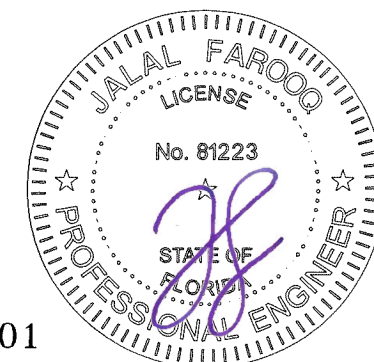
GLAZING OPTIONS

LEVEL 'D' IMPACT

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

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COMP-ANL 18-56F-MG

revisions:		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
60"		100.0
36"	132"	119.0
39"		119.0
42"		119.0
45"		86.4
48"		70.0
51"		70.0
54"		70.0
60"		100.0
36"	138"	119.0
39"		119.0
42"		119.0
45"		86.4
48"		70.0
51"		70.0
54"		70.0
60"		100.0
36"	144"	119.0
39"		86.4
42"		70.0
45"		70.0
48"		70.0
51"		70.0
54"		70.0
60"		100.0
36"	150"	119.0
39"		86.4
42"		70.0
45"		70.0
48"		70.0
51"		70.0
54"		70.0
60"		100.0
36"	153-5/8"	119.0
39"		70.0
42"		70.0
45"		70.0
48"		70.0
51"		70.0
54"		70.0
60"		100.0

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
56"		100.0
36"	102"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
53"		100.0
60"		100.0
36"	108"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
50"		100.0
60"		100.0
36"	114"	100.0
39"		100.0
42"		100.0
45"		100.0
47"		100.0
60"		100.0
36"	120"	100.0
39"		100.0
42"		100.0
45"		100.0
60"		100.0
36"	126"	100.0
39"		100.0
42"		100.0
60"		100.0
36"	132"	100.0
39"		100.0
60"		100.0
36"	138"	100.0
39"		100.0
60"		100.0
36"	144"	100.0
60"		100.0

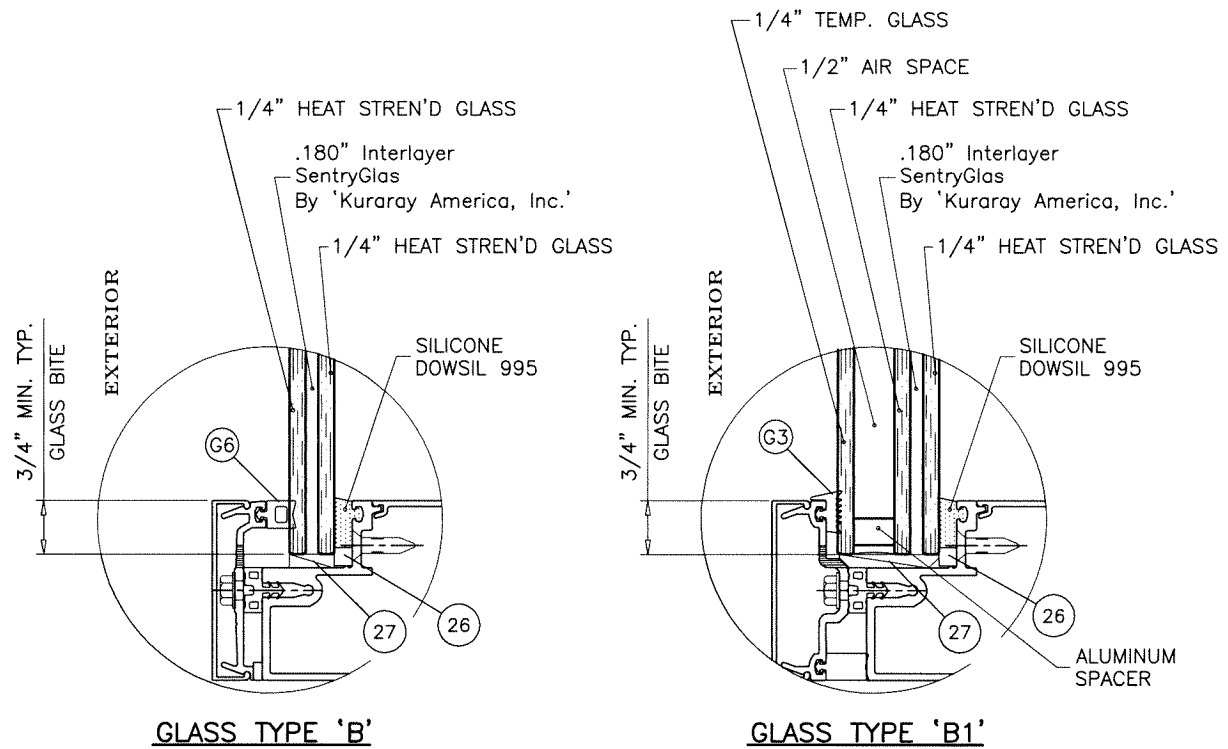
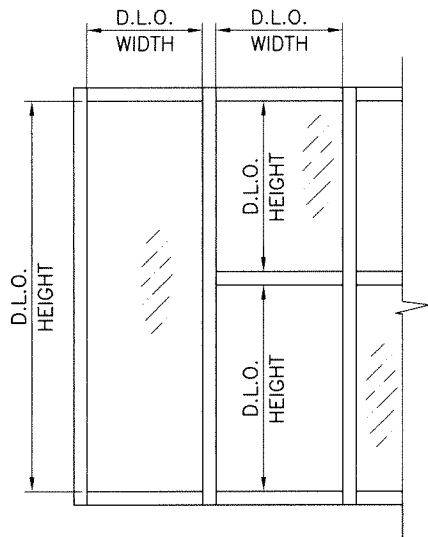
GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		GLASS TYPE 'A2'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
36"	90"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"	96"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		50.0
36"	102"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		50.0
60"		50.0
36"	108"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		50.0
54"		50.0
57"		50.0
60"		50.0
36"	114"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		50.0
54"		50.0
57"		50.0
60"		50.0
36"	120"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		50.0
54"		50.0
57"		50.0
60"		50.0
36"	126"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		50.0
54"		50.0
57"		50.0
60"		50.0
36"	132"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		50.0
54"		50.0
57"		50.0
60"		50.0
36"	138"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		50.0
54"		50.0
57"		50.0
60"		50.0
36"	144"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		50.0
54"		50.0
57"		50.0
60"		50.0

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
60"		100.0
36"	132"	100.0
39"		100.0
42"		50.0
45"		50.0
48"		50.0
51"		50.0
60"		100.0
36"	138"	100.0
39"		100.0
42"		50.0
45"		50.0
48"		50.0
51"		50.0
60"		100.0
36"	144"	100.0
39"		50.0
42"		50.0
45"		50.0
48"		50.0
60"		100.0

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

GLASS LOAD CAPACITY – PSF			
NOMINAL DIMS.		GLASS TYPE 'A3'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(–)
48"	126"	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	118.0
66"		113.0	113.0
69"		109.0	109.0
72"		106.0	106.0
75"		103.0	103.0
48"	132"	113.0	120.0
51"		113.0	120.0
54"		113.0	120.0
57"		113.0	120.0
60"		113.0	119.0
63"		113.0	114.0
66"		108.0	108.0
69"		105.0	105.0
48"	138"	113.0	120.0
51"		113.0	120.0
54"		113.0	120.0
57"		113.0	120.0
60"		113.0	116.0
63"		110.0	110.0
66"		105.0	105.0
48"	144"	113.0	120.0
51"		113.0	120.0
54"		113.0	120.0
57"		113.0	119.0
60"		112.0	112.0
63"		107.0	107.0
48"	150"	113.0	120.0
51"		113.0	120.0
54"		113.0	120.0
57"		113.0	118.0
60"		109.0	109.0
63"		104.0	104.0

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		GLASS TYPES 'B' & 'B1'
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"		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
36"	138"	130.0
39"		130.0
42"		130.0
36"	144"	130.0
39"		130.0

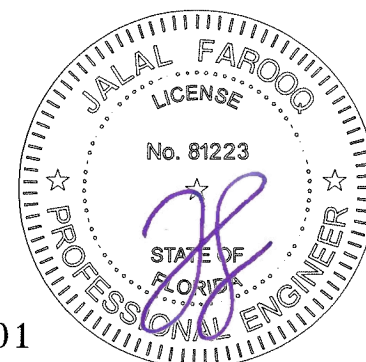


GLAZING OPTIONS
LEVEL 'E' IMPACT

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

Sealed: 10/2/2023

FL #27101



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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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

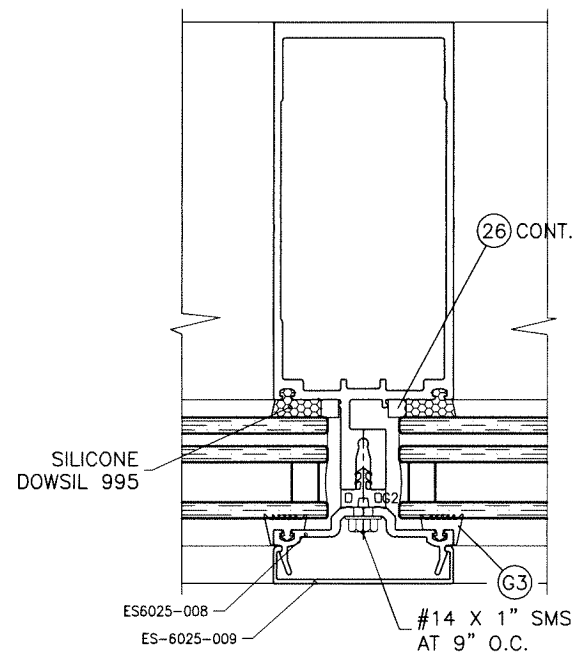
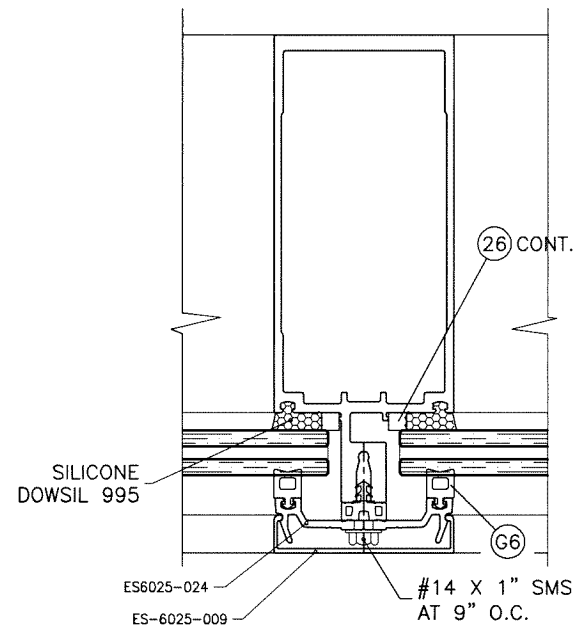
revisions:
no date by description

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

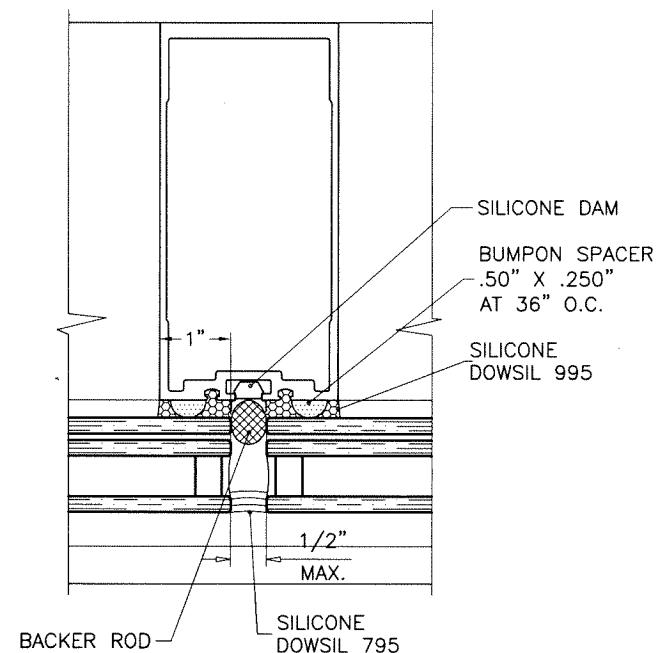
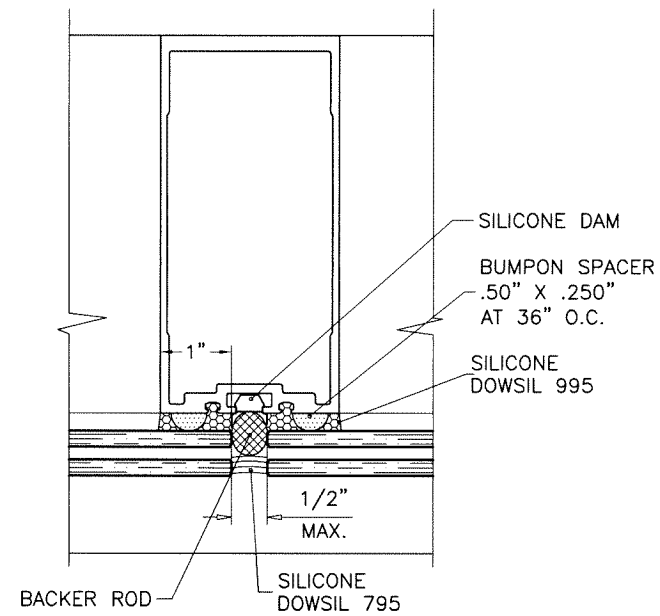
drawing no.
18-56F
sheet **4** of **30**

COMP-ANL 18-56F-MG

MULLION WITHOUT PRESSURE PLATE LIMIT MAX. LOADS AS PER CHART		
NOMINAL DIMS.		BUTT GLAZE MULL 1" SILICONE
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
36"	105-1/2"	130.0
39"		130.0
42"		129.4
45"		121.3
48"		114.1
51"		107.7
54"		101.9
57"		96.8
57-1/2"		96.0
36"	108"	130.0
39"		130.0
42"		129.4
45"		121.3
48"		114.1
51"		107.7
54"		101.9
36"	114"	130.0
39"		130.0
42"		129.4
45"		121.3
48"		114.1
51"		107.7
54"		101.9
36"	120"	130.0
39"		130.0
42"		129.4
45"		121.3
48"		114.1
51"		107.7
54"		101.9
36"	126"	130.0
39"		130.0
42"		129.4
45"		121.3
48"		114.1
51"		107.7
54"		101.9
36"	132"	130.0
39"		130.0
42"		129.4
45"		121.3
48"		114.1
51"		107.7
54"		101.9
36"	138"	130.0
39"		130.0
42"		129.4
45"		121.3
48"		114.1
51"		107.7
54"		101.9
36"	144"	130.0
39"		130.0
42"		129.4
45"		121.3
48"		114.1
51"		107.7
54"		101.9



HEAVY MULLION
WITH PRESS PLATE

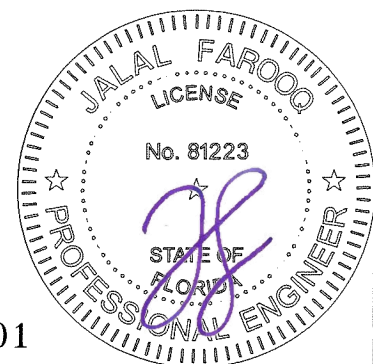


BUTT GLAZED MULLION
WITHOUT PRESS PLATE
1" SILICONE

SEE SHEET 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.

Sealed: 10/2/2023

FL #27101



AL-FAROOQ CORPORATION
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revisions:

no	date	by	description

date: 05-08-18

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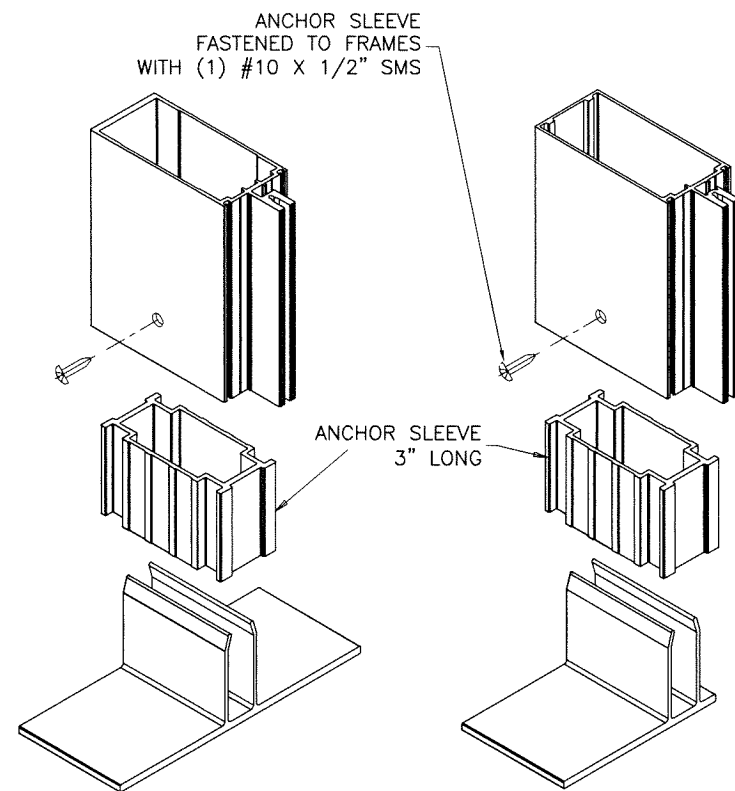
dr. by: TARIQ

chk. by:

drawing no.

18-56F

sheet 4.4 of 30



**MULLION ANCHOR CLIP
DETAIL '2'**

**JAMB ANCHOR CLIP
DETAIL '1'**

ANCHOR 'A'

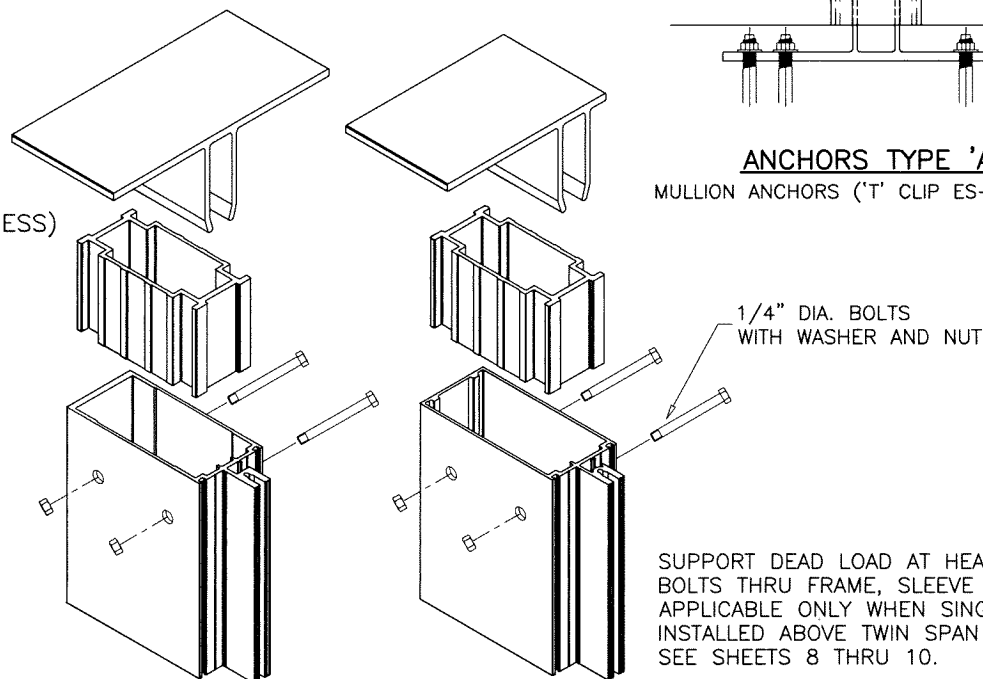
DIRECTLY INTO CONCRETE
3/8" DIA. KWIK BOLT-3 EXPANSION ANCHOR
(2) PER SIDE
WITH 2-1/2" MIN. EMBED INTO CONCRETE.
3" MIN. EDGE DIST.
2-1/2" MIN. SPACING

ANCHOR 'B'

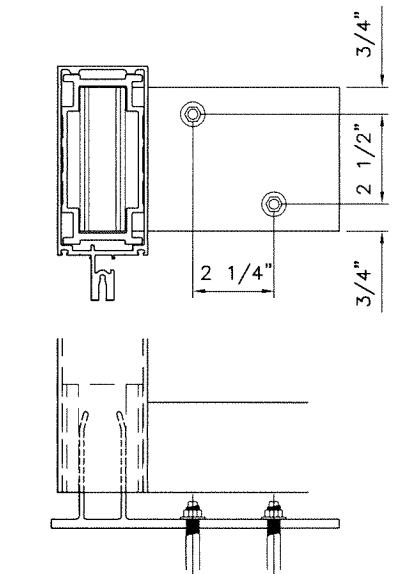
DIRECTLY INTO CONCRETE
1/2" DIA. KWIK BOLT-3 EXPANSION ANCHOR
(1) PER SIDE
WITH 3-1/2" MIN. EMBED INTO CONCRETE.
3-3/4" MIN. EDGE DIST.
6-1/2" MIN. SPACING

ANCHOR 'C'

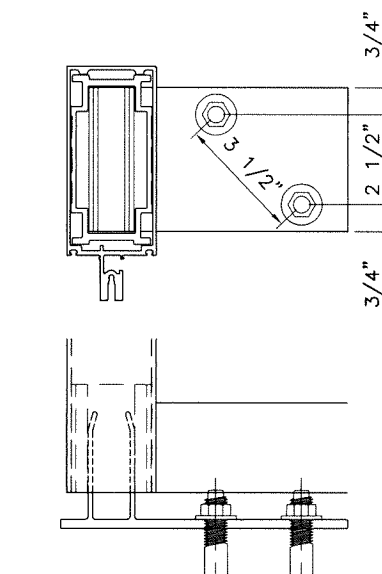
INTO METAL STRUCTURES (STEEL 3/16" MIN. THICKNESS)
5/16" DRIL-FLEX SELF DRILLING SCREWS
(3) PER SIDE
1/2" MIN. EDGE DIST.
3/4" MIN. SPACING



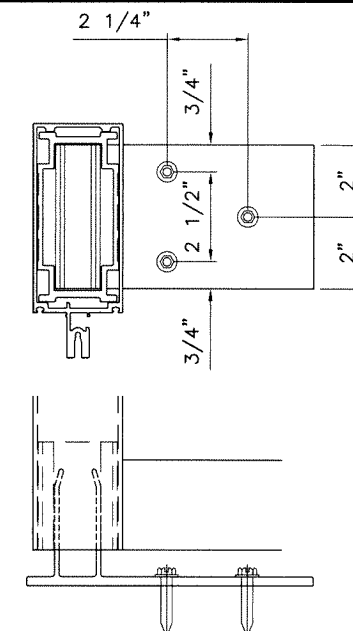
SUPPORT DEAD LOAD AT HEAD ANCHORS USING
BOLTS THRU FRAME, SLEEVE AND CLIP LEGS.
APPLICABLE ONLY WHEN SINGLE SPAN FRAMES ARE
INSTALLED ABOVE TWIN SPAN FRAMES.
SEE SHEETS 8 THRU 10.



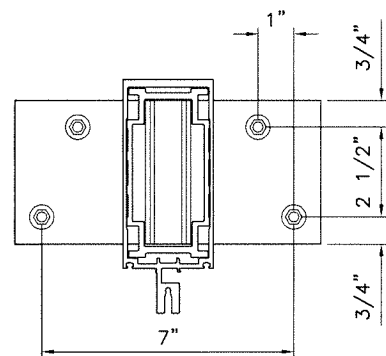
ANCHORS TYPE 'A'
JAMB ANCHORS ('F' CLIP ES-7525-51)



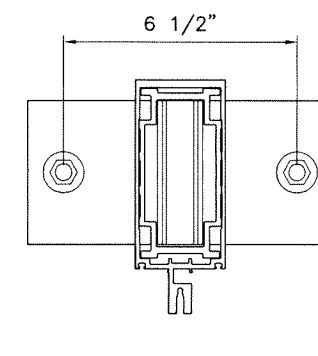
ANCHORS TYPE 'B'
JAMB ANCHORS ('F' CLIP ES-7525-51)



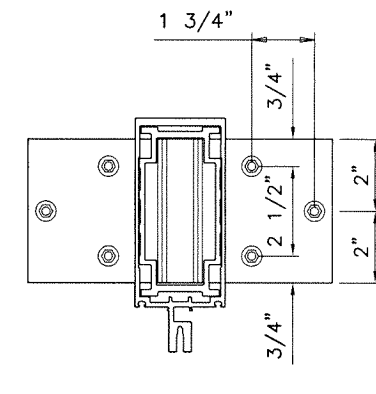
ANCHORS TYPE 'C'
JAMB ANCHORS ('F' CLIP ES-7525-51)



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



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

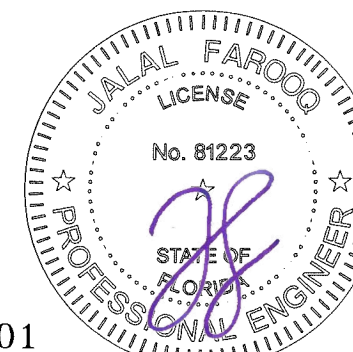


ANCHORS TYPE 'C'
MULLION ANCHORS ('T' CLIP ES-7525-50)

SEE SHEET 5.1 FOR ANCHOR CAPACITIES

Sealed: 10/2/2023

FL #27101



af c

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ENGINEERS & PRODUCT DEVELOPMENT
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date:	05-08-18
scale:	
dr. by:	TARIQ
chk. by:	

drawing no.

18-56F

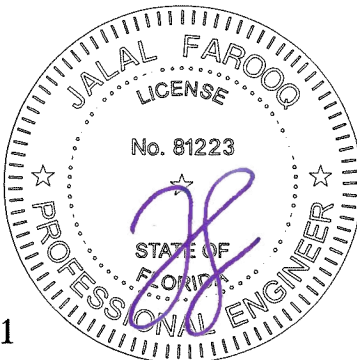
sheet 5 of 30

COMP-ANL 18-56F-MG

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

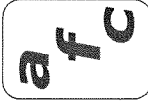
ANCHORS LOAD CAPACITY - PSF				
NOMINAL DIMS.		ANCHORS TYPE 'A'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	159"	119.0	119.0	119.0
42"		119.0	113.0	119.0
48"		111.0	99.0	119.0
54"		98.0	88.0	119.0
60"		89.0	79.0	119.0
36"	168"	119.0	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: 10/2/2023

FL #27101



AL-FAROOQ CORPORATION
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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

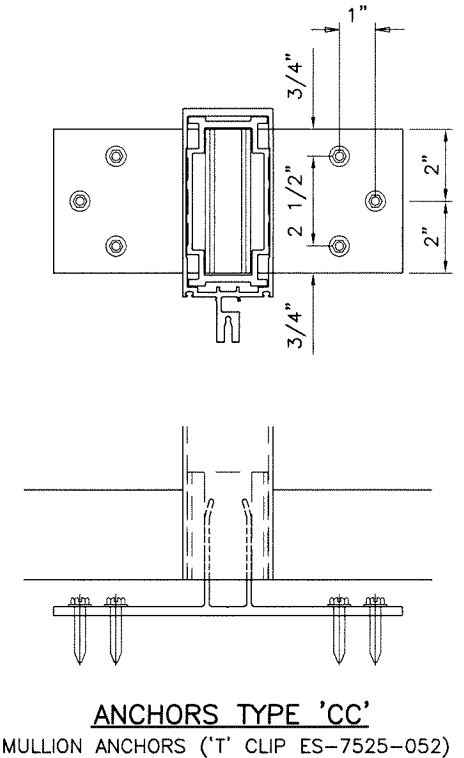
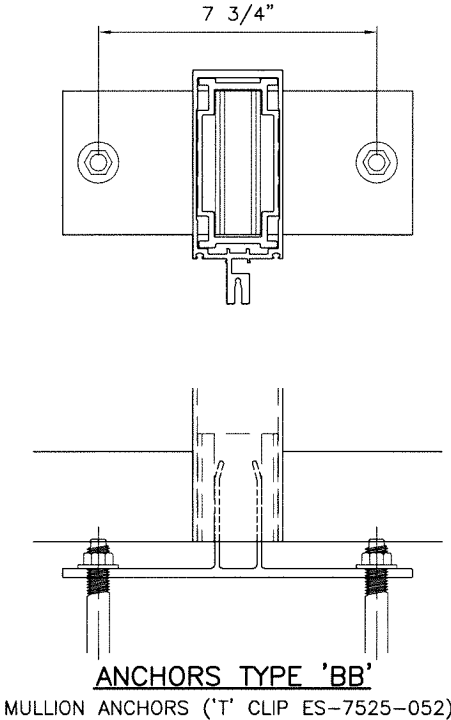
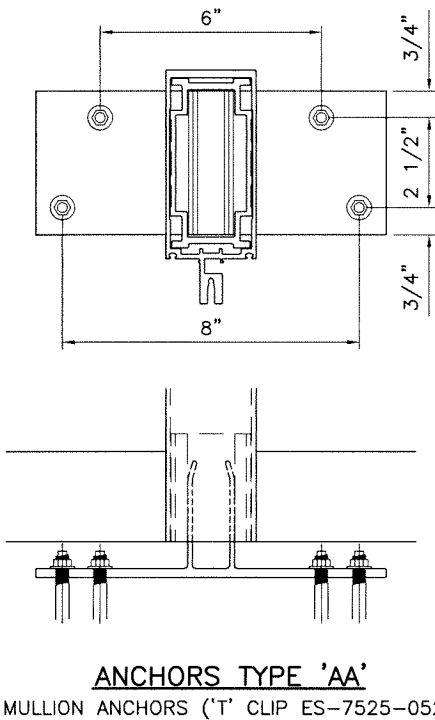
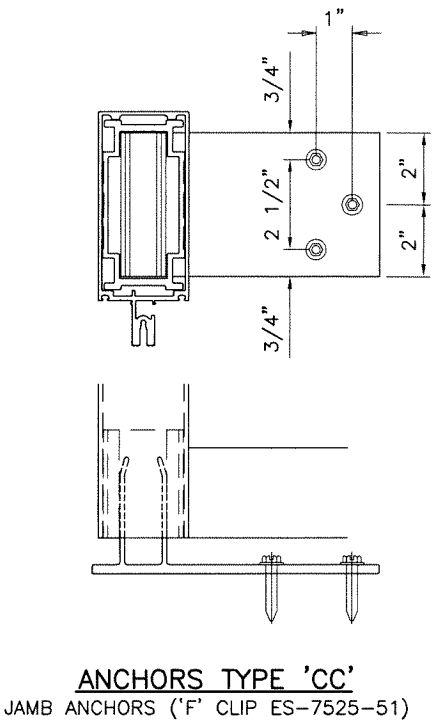
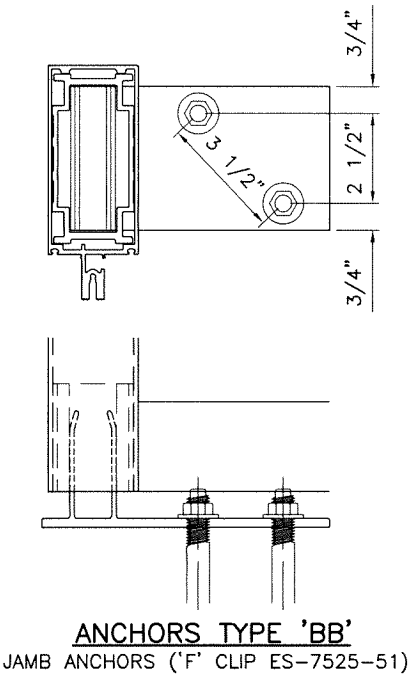
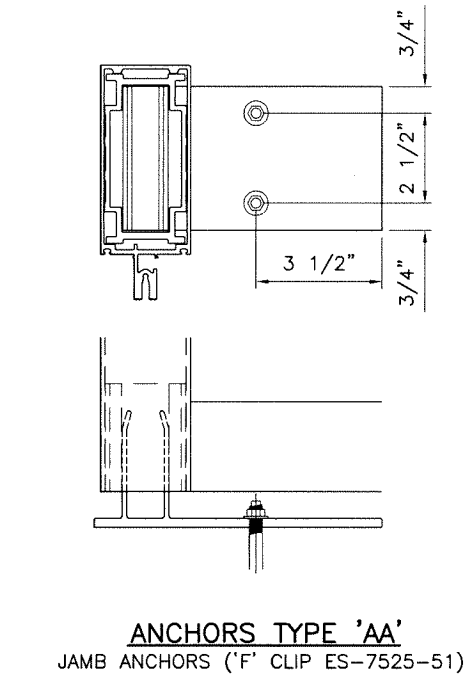
COMP-ANL\18-56F-MG

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

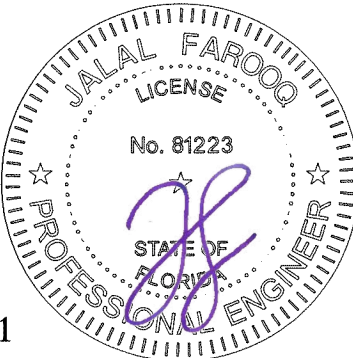
ANCHOR 'BB'
DIRECTLY INTO CONCRETE
1/2" DIA. KWIK BOLT-3 EXPANSION ANCHOR
(1) PER SIDE
WITH 3-1/2" MIN. EMBED INTO CONCRETE.
3-3/4" MIN. EDGE DIST.
6-1/2" MIN. SPACING

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: 10/2/2023

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:

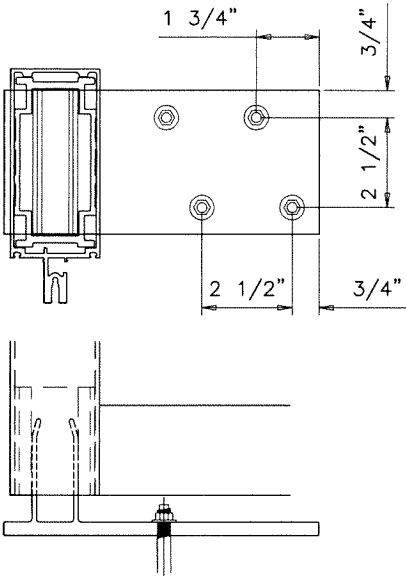
drawing no.
18-56F

sheet **5.2** of **30**

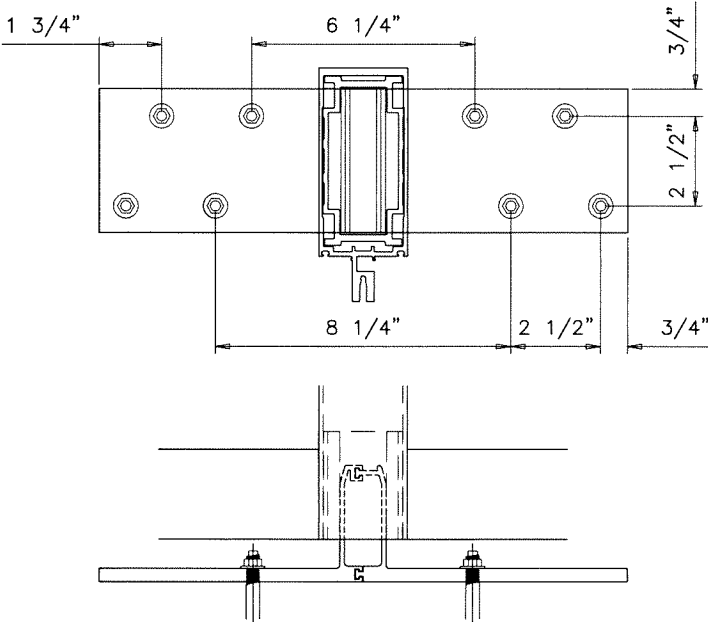
ANCHORS LOAD CAPACITY - PSF		
NOMINAL DIMS.		ANCHORS TYPE 'AAA'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	114"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
36"	120"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
36"	126"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
36"	130"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
36"	132"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
36"	138"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
36"	144"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
36"	150"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
36"	156"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
36"	168"	130.0
42"		130.0
48"		130.0
54"		130.0
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

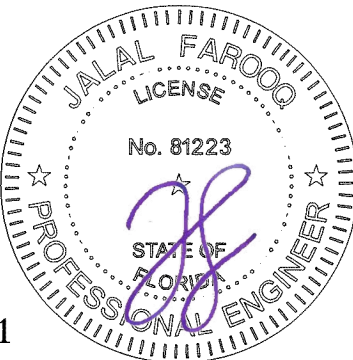
FOR HEAD AND SILL INCLUDING DEAD LOAD ANCHORS AT TOP



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



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



Sealed: 10/2/2023

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

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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 5.3 of 30

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: 10/2/2023

FL #27101





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

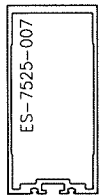
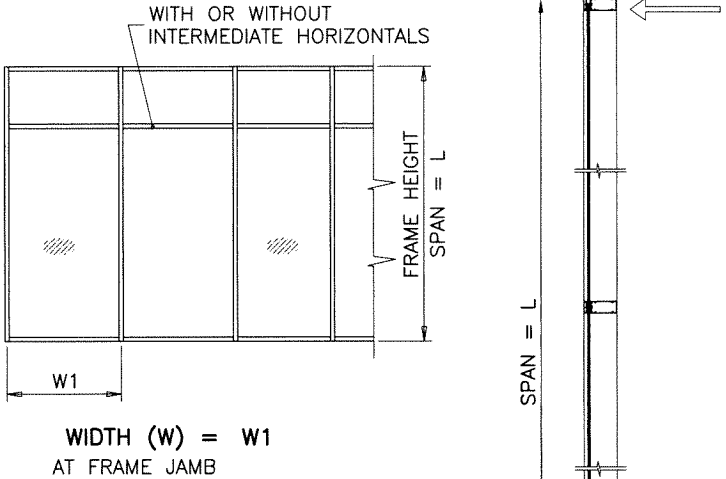
JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J1'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	99-3/4"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0

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

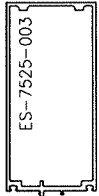
JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	110-1/2"	130.0
39"		130.0
42"		130.0
45"		130.0
48"		130.0
51"		130.0
54"		130.0
57"		130.0
60"		130.0
36"	114"	120.0
39"		120.0
42"		120.0
45"		120.0
48"		120.0
51"		120.0
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
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 'J1'

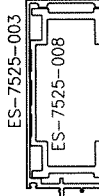
Ix IN ⁴	Sx IN ³
8.8201	3.3166



JAMB 'J2'

Ix IN ⁴	Sx IN ³
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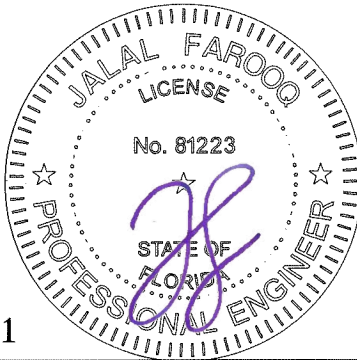
JAMB 'J2' RATED FOR LEVEL 'E' IMPACT



JAMB 'J2A'

Ix IN ⁴	Sx IN ³
16.3551	4.8041

JAMB 'J2A' RATED FOR LEVEL 'E' IMPACT



Sealed: 10/2/2023

FL #27101

AL-FAROOQ CORPORATION
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COMP-ANL\18-56F-MG

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

revisions:

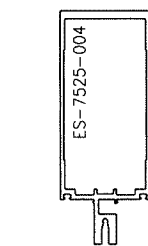
no	date	by	description

drawing no.
18-56F
sheet 6 of 30

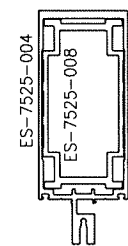
JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZONTALS				
NOMINAL DIMS.		JAMB 'J3'	JAMB 'J4'	JAMB 'J5'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	110-1/2"	130.0	130.0	119.0
39"		130.0	130.0	119.0
42"		130.0	130.0	119.0
45"		130.0	130.0	100.0
48"		130.0	130.0	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

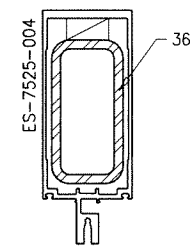
JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZONTALS				
NOMINAL DIMS.		JAMB 'J3'	JAMB 'J4'	JAMB 'J5'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	180"	50.0	113.3	70.0
39"		50.0	104.6	70.0
42"		50.0	97.1	70.0
45"		50.0	90.7	70.0
48"		50.0	85.0	70.0
51"		50.0	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



Ix IN ⁴	Sx IN ³
12.8176	3.7763



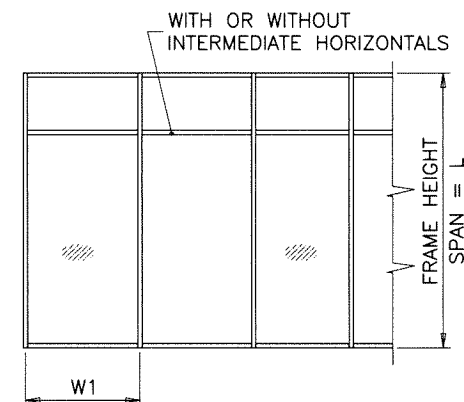
Ix IN ⁴	Sx IN ³
19.1717	5.6484



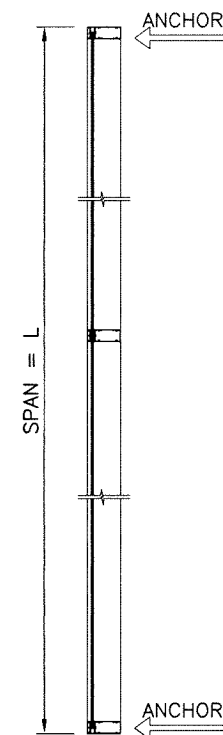
ALUMINUM	Ix IN ⁴	Sx IN ³
STEEL	4.4900	2.2500
TOTAL		
Ix ALUM + Ix STL X 2.9	25.8386	

REINF. LENGTH = MULL LENGTH-6"

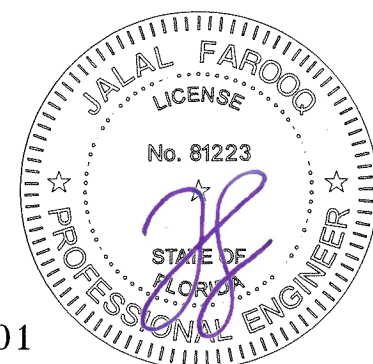
JAMBS 'J3 AND 'J4' RATED FOR LEVEL 'E' IMPACT



WIDTH (W) = W1
AT FRAME JAMB



SINGLE SPAN



Sealed: 10/2/2023

FL #27101

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978
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	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
8.8201	3.3166		
STEEL	4.4900	2.2500	
TOTAL			
Ix ALUM + Ix STL X 2.9	21.8411		

REINF. LENGTH = MULL LENGTH-6"

Sealed: 10/2/2023

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.

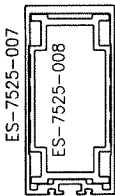
18-56F

sheet 7 of 30

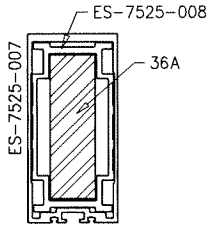
MULLION LOAD CAPACITY – PSF SINGLE SPANS WITH OR WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M1C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (–)	EXT. (+) INT. (–)
36"	96"	130.0	130.0
39"		130.0	130.0
42"		130.0	130.0
45"		130.0	130.0
48"		130.0	130.0
51"		130.0	130.0
54"		130.0	130.0
57"		130.0	130.0
60"		130.0	130.0
36"	99–3/4"	130.0	130.0
39"		130.0	130.0
42"		130.0	130.0
45"		130.0	130.0
48"		130.0	130.0
51"		130.0	130.0
54"		130.0	130.0
57"		130.0	130.0
60"		130.0	130.0
36"	102"	130.0	130.0
39"		130.0	130.0
42"		130.0	130.0
45"		130.0	130.0
48"		130.0	130.0
51"		130.0	130.0
54"		130.0	130.0
57"		130.0	130.0
60"		130.0	130.0
36"	108"	130.0	130.0
39"		130.0	130.0
42"		130.0	130.0
45"		130.0	130.0
48"		130.0	130.0
51"		130.0	130.0
54"		130.0	130.0
57"		130.0	130.0
60"		124.6	130.0
36"	110–1/2"	130.0	130.0
39"		130.0	130.0
42"		130.0	130.0
45"		130.0	130.0
48"		130.0	130.0
51"		130.0	130.0
54"		129.2	130.0
57"		122.4	130.0
60"		116.3	130.0
36"	114"	120.0	120.0
39"		120.0	120.0
42"		120.0	120.0
45"		120.0	120.0
48"		120.0	120.0
51"		120.0	120.0
54"		117.7	120.0
57"		111.5	120.0
60"		105.9	120.0

MULLION LOAD CAPACITY – PSF SINGLE SPANS WITH OR WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M1C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (–)	EXT. (+) INT. (–)
36"	120"	120.0	120.0
39"		120.0	120.0
42"		120.0	120.0
45"		120.0	120.0
48"		113.5	120.0
51"		106.8	120.0
54"		100.9	120.0
57"		95.6	120.0
60"		90.8	120.0
36"	126"	120.0	120.0
39"		120.0	120.0
42"		112.1	120.0
45"		104.6	120.0
48"		98.1	120.0
51"		92.3	120.0
54"		87.2	120.0
57"		82.6	120.0
60"		–	120.0
36"	132"	113.7	120.0
39"		105.0	120.0
42"		97.5	120.0
45"		91.0	120.0
48"		85.3	120.0
51"		80.3	120.0
54"		75.8	120.0
57"		–	120.0
60"		–	120.0
36"	138"	99.5	120.0
39"		91.9	120.0
42"		85.3	120.0
45"		79.6	120.0
48"		74.6	120.0
51"		70.3	120.0
54"		66.4	120.0
57"		–	120.0
60"		–	120.0
36"	144"	87.6	120.0
39"		80.9	120.0
42"		75.1	120.0
45"		70.1	120.0
48"		65.7	120.0
51"		61.8	120.0
54"		–	120.0
57"		–	120.0
60"		–	118.9
36"	147"	82.3	120.0
39"		76.0	120.0
42"		70.6	120.0
45"		65.9	120.0
48"		61.8	120.0
51"		–	120.0
54"		–	116.8
57"		–	110.7
60"		–	105.2

MULLION LOAD CAPACITY – PSF SINGLE SPANS WITH OR WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M1C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (–)	EXT. (+) INT. (–)
36"	150"	77.5	120.0
39"		71.5	120.0
42"		66.4	120.0
45"		62.0	120.0
48"		58.1	120.0
51"		–	120.0
54"		–	116.8
57"		–	110.7
60"		–	105.2
36"	156"	–	120.0
39"		–	120.0
42"		–	120.0
45"		–	120.0
48"		–	116.9
51"		–	110.0
54"		–	103.9
57"		–	98.4
60"		–	93.5
36"	168"	–	120.0
39"		–	117.2
42"		–	108.8
45"		–	101.6
48"		–	95.2
51"		–	89.6
54"		–	84.7
57"		–	80.2
36"	180"	–	101.4
39"		–	93.6
42"		–	86.9
45"		–	81.1
48"		–	76.1
51"		–	71.6
54"		–	67.6



MULLION 'M1A'	
Ix IN^4	Sx IN^3
15.1742	5.7059



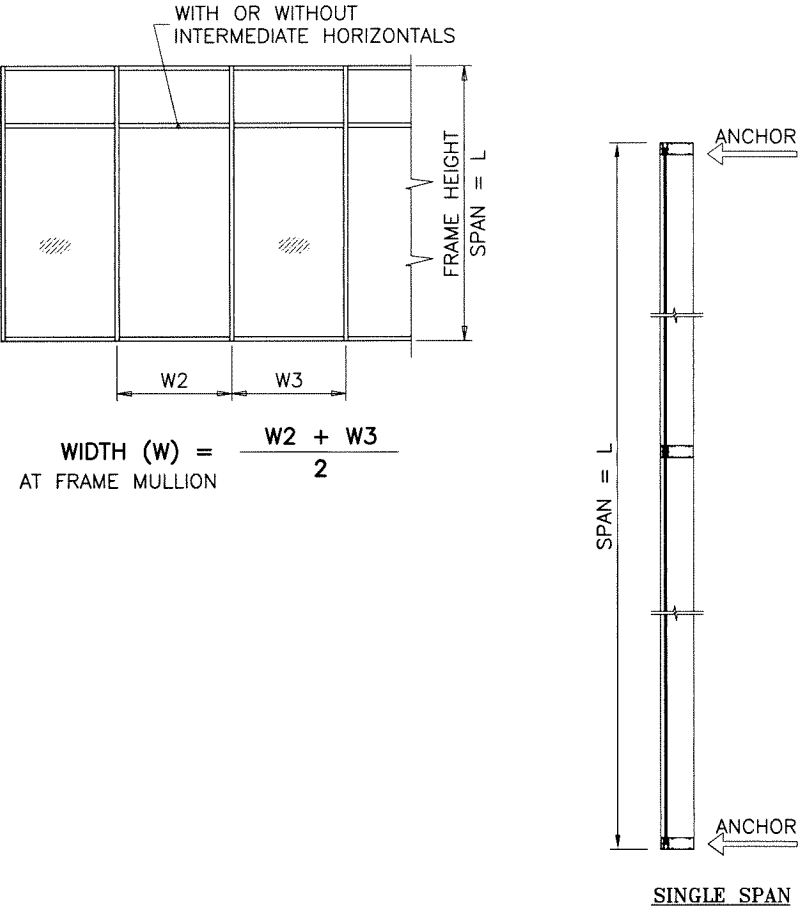
MULLION 'M1C'	
Ix IN^4	Sx IN^3
15.1742	5.7059
ALUMINUM	–
STEEL	–
TOTAL	–
Ix ALUM + Ix STL X 2.9	–

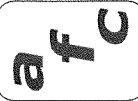
REINF. LENGTH = MULL LENGTH–6"

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

Sealed: 10/2/2023

FL #27101



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

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

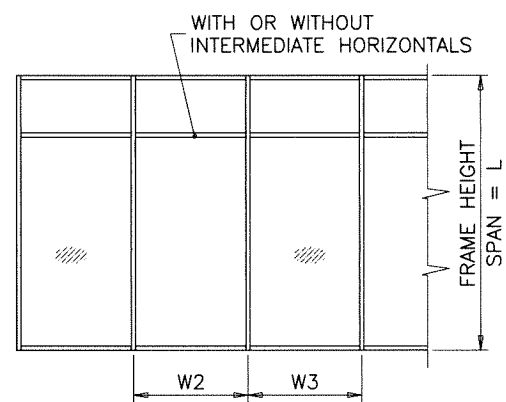
drawing no.
18–56F
sheet 7.1 of 30

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	-



ES-7525-004
ES-7525-008

MULLION 'M2A'

Ix IN^4	Sx IN^3
19.1717	5.6484

ES-7525-004

MULLION 'M2B'

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

ES-7525-008

MULLION 'M2C'

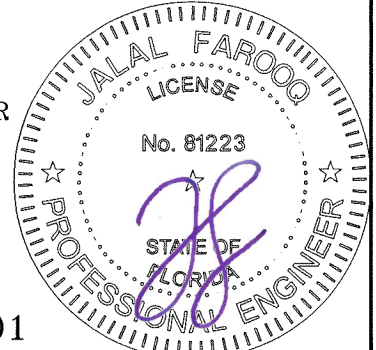
Ix IN^4	Sx IN^3
19.1717	5.6484
ALUMINUM	-
STEEL	-
TOTAL	-
Ix ALUM + Ix STL X 2.9	-

REINF. LENGTH = MULL LENGTH-6"

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

Sealed: 10/2/2023

FL #27101



AL-FAROOQ CORPORATION
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revisions:

no	date	by	description

date: 05-08-18

scale: -

dr. by: TARIQ

chk. by: -

drawing no.

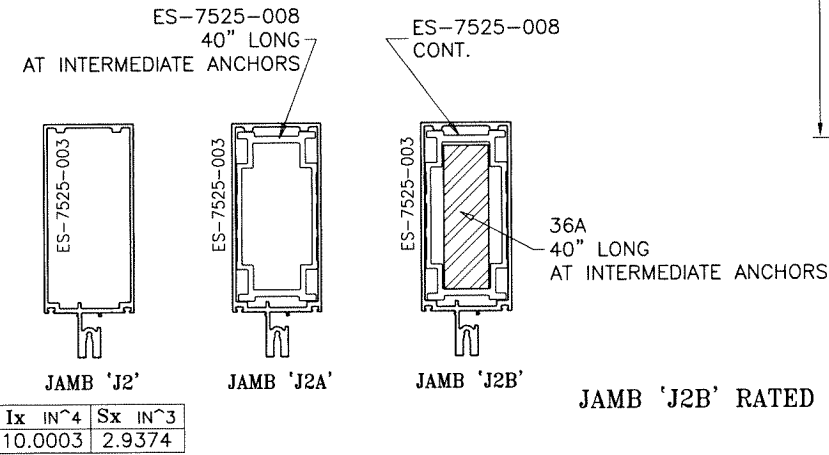
18-56F

sheet 7.2 of 30

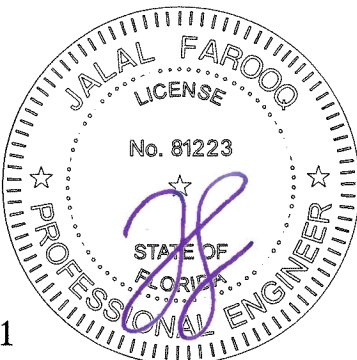
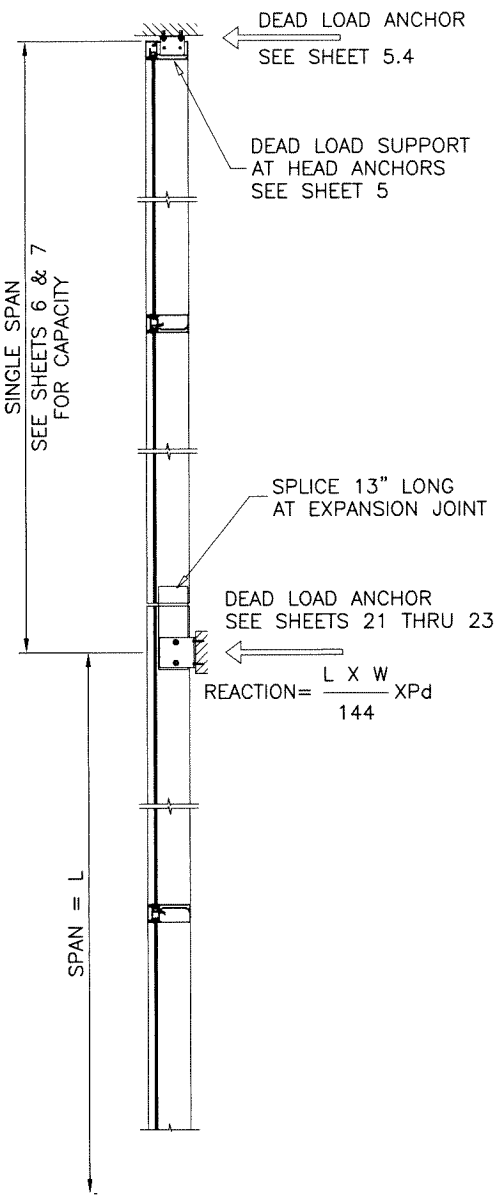
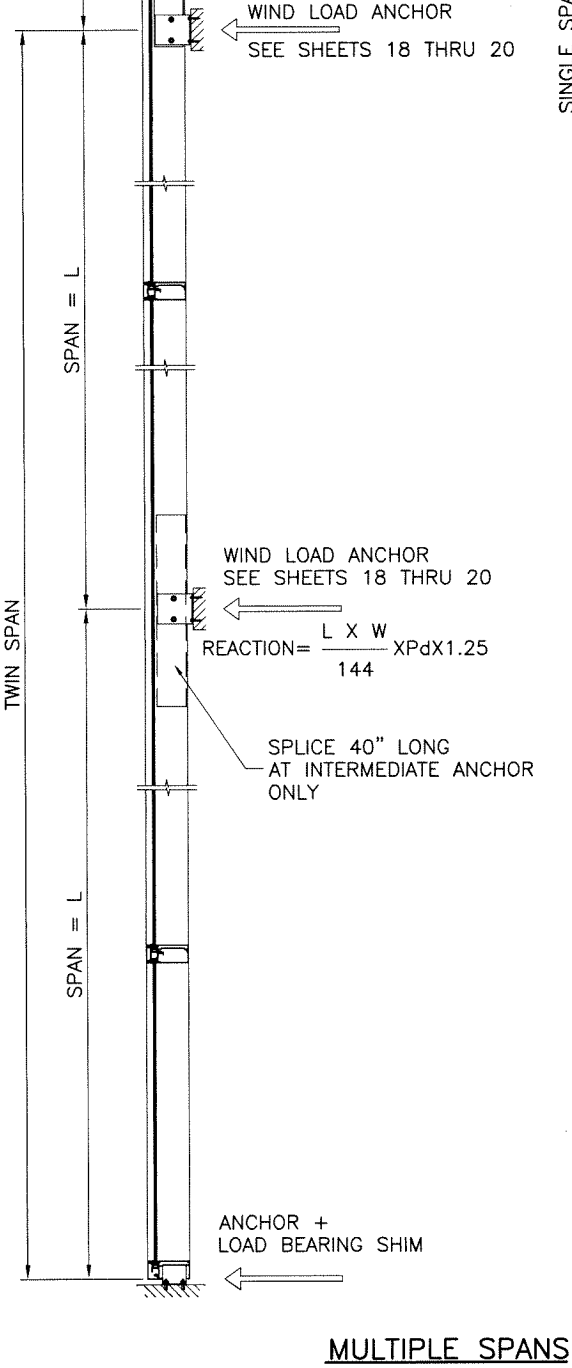
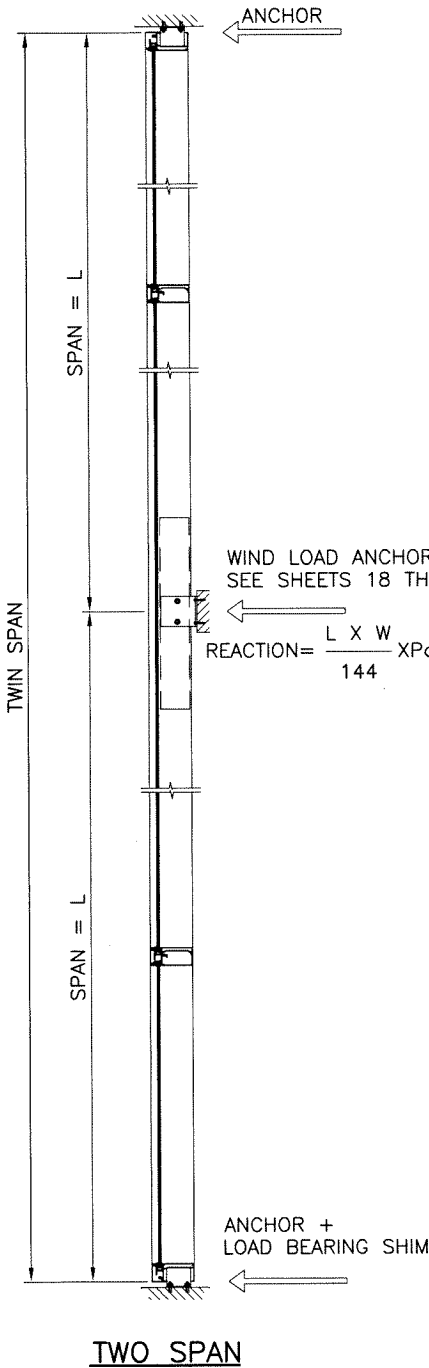
JAMB LOAD CAPACITY - PSF TWIN SPANS		
NOMINAL DIMS.		JAMB 'J2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	114"	100.0
40"		100.0
42"		100.0
48"		100.0
50"		100.0
54"		100.0
60"		100.0
36"	120"	100.0
40"		100.0
42"		100.0
48"		100.0
50"		100.0
54"		100.0
60"		98.8
36"	126"	100.0
40"		100.0
42"		100.0
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
60"		68.6
36"	150"	100.0
40"		92.6
42"		88.2
48"		77.1
50"		74.1
54"		68.6
60"		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
96"		120.0
60"	114"	120.0
66"		120.0
72"		120.0
78"		120.0
84"		120.0
90"		117.7
96"		117.7
60"	120"	120.0
66"		120.0
72"		120.0
78"		120.0
84"		113.2
90"		105.6
96"		105.6
60"	126"	120.0
66"		120.0
72"		119.1
78"		109.9
84"		102.1
90"		95.3
96"		95.3
60"	130"	120.0
66"		120.0
72"		111.5
78"		102.9
84"		95.5
90"		89.3
96"		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



Sealed: 10/2/2023

FL #27101

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

JAMBS TWIN SPAN TABLES

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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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.)

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Medley, FL 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:

no	date	by	description

date: 05-08-18

scale: -

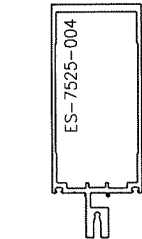
dr. by: TARIQ

chk. by: -

drawing no.
18-56F

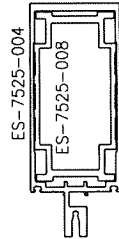
sheet 8 of 30

JAMB LOAD CAPACITY – PSF TWIN SPANS					JAMB LOAD CAPACITY – PSF TWIN SPANS				
NOMINAL DIMS.		JAMB 'J3'	JAMB 'J4'	JAMB 'J5'	NOMINAL DIMS.		JAMB 'J3'	JAMB 'J4'	JAMB 'J5'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	132"	100.0	119.0	119.0	36"	159"	50.0	50.0	75.0
39"		100.0	119.0	119.0	39"		50.0	50.0	75.0
42"		100.0	119.0	119.0	42"		50.0	50.0	75.0
45"		100.0	100.0	100.0	45"		50.0	50.0	75.0
48"		100.0	100.0	100.0	48"		50.0	50.0	50.0
51"		100.0	100.0	100.0	51"		50.0	50.0	50.0
54"		100.0	100.0	100.0	54"		50.0	50.0	50.0
57"		100.0	100.0	100.0	57"		50.0	50.0	50.0
60"		100.0	100.0	100.0	60"		50.0	50.0	50.0
36"	138"	100.0	119.0	119.0	36"	168"	50.0	50.0	70.0
39"		100.0	119.0	119.0	39"		50.0	50.0	70.0
42"		100.0	119.0	119.0	42"		50.0	50.0	70.0
45"		100.0	100.0	100.0	45"		50.0	50.0	70.0
48"		100.0	100.0	100.0	48"		50.0	50.0	70.0
51"		100.0	100.0	100.0	51"		50.0	50.0	50.0
54"		100.0	100.0	100.0	54"		50.0	50.0	50.0
57"		97.4	100.0	100.0	57"		50.0	50.0	50.0
60"		92.5	100.0	100.0	60"		50.0	50.0	50.0
36"	144"	100.0	119.0	119.0	36"	180"	50.0	50.0	70.0
39"		100.0	119.0	119.0	39"		50.0	50.0	70.0
42"		100.0	119.0	119.0	42"		50.0	50.0	70.0
45"		100.0	100.0	100.0	45"		50.0	50.0	70.0
48"		100.0	100.0	100.0	48"		50.0	50.0	70.0
51"		99.5	100.0	100.0	51"		50.0	50.0	50.0
54"		93.9	100.0	100.0	54"		50.0	50.0	50.0
57"		89.0	100.0	100.0	57"		50.0	50.0	50.0
60"		84.5	100.0	100.0	60"		50.0	50.0	50.0
36"	147"	100.0	119.0	119.0	36"	184-1/4"	50.0	50.0	70.0
39"		100.0	119.0	119.0	39"		50.0	50.0	70.0
42"		100.0	119.0	119.0	42"		50.0	50.0	70.0
45"		100.0	100.0	100.0	45"		50.0	50.0	70.0
48"		100.0	100.0	100.0	48"		50.0	50.0	70.0
51"		95.2	100.0	100.0	51"		50.0	50.0	50.0
54"		89.9	100.0	100.0	54"		50.0	50.0	50.0
57"		85.2	100.0	100.0	57"		50.0	50.0	50.0
60"		80.9	100.0	100.0	60"		50.0	50.0	50.0
36"	150"	100.0	100.0	100.0	36"	192"	50.0	50.0	50.0
39"		100.0	100.0	100.0	39"		50.0	50.0	50.0
42"		100.0	100.0	100.0	42"		50.0	50.0	50.0
45"		100.0	100.0	100.0	45"		50.0	50.0	50.0
48"		96.9	100.0	100.0	48"		50.0	50.0	50.0
51"		91.2	100.0	100.0	51"		50.0	50.0	50.0
54"		86.1	100.0	100.0	54"		50.0	50.0	50.0
57"		81.6	100.0	100.0	57"		49.4	50.0	50.0
60"		77.5	100.0	100.0	60"		47.0	50.0	50.0
36"	156"	50.0	50.0	100.0	36"	196-3/4"	50.0	50.0	50.0
39"		50.0	50.0	100.0	39"		50.0	50.0	50.0
42"		50.0	50.0	100.0	42"		50.0	50.0	50.0
45"		50.0	50.0	100.0	45"		50.0	50.0	50.0
48"		50.0	50.0	100.0	48"		50.0	50.0	50.0
51"		50.0	50.0	100.0	51"		50.0	50.0	50.0
54"		50.0	50.0	100.0	54"		49.7	50.0	50.0
57"		50.0	50.0	100.0	57"		47.1	50.0	50.0
60"		50.0	50.0	100.0	60"		44.7	50.0	50.0



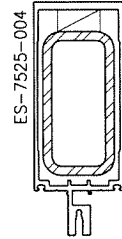
JAMB 'J3'

Ix IN^4	Sx IN^3
12.8176	3.7763



JAMB 'J4'

Ix IN^4	Sx IN^3
19.1717	5.6484

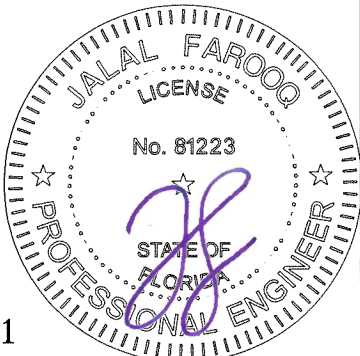


JAMB 'J5'

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"

FL #27101



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revisions:

no	date	by	description

date: 05-08-18

scale: -

dr. by: TARIQ

chk. by:

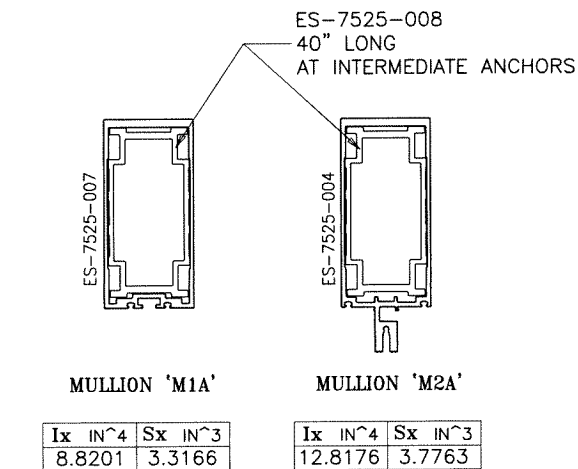
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18-56F

sheet 8.1 of 30

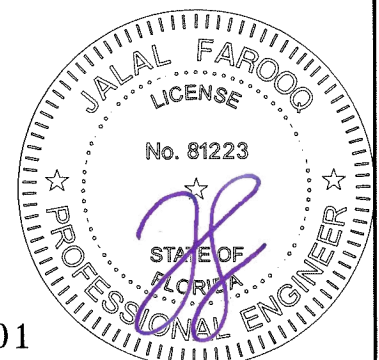
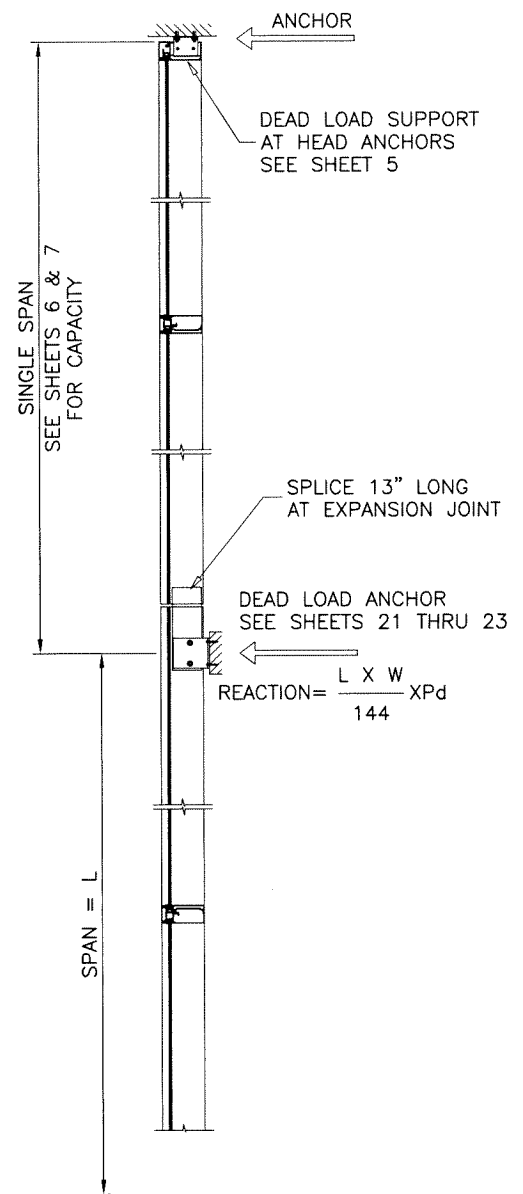
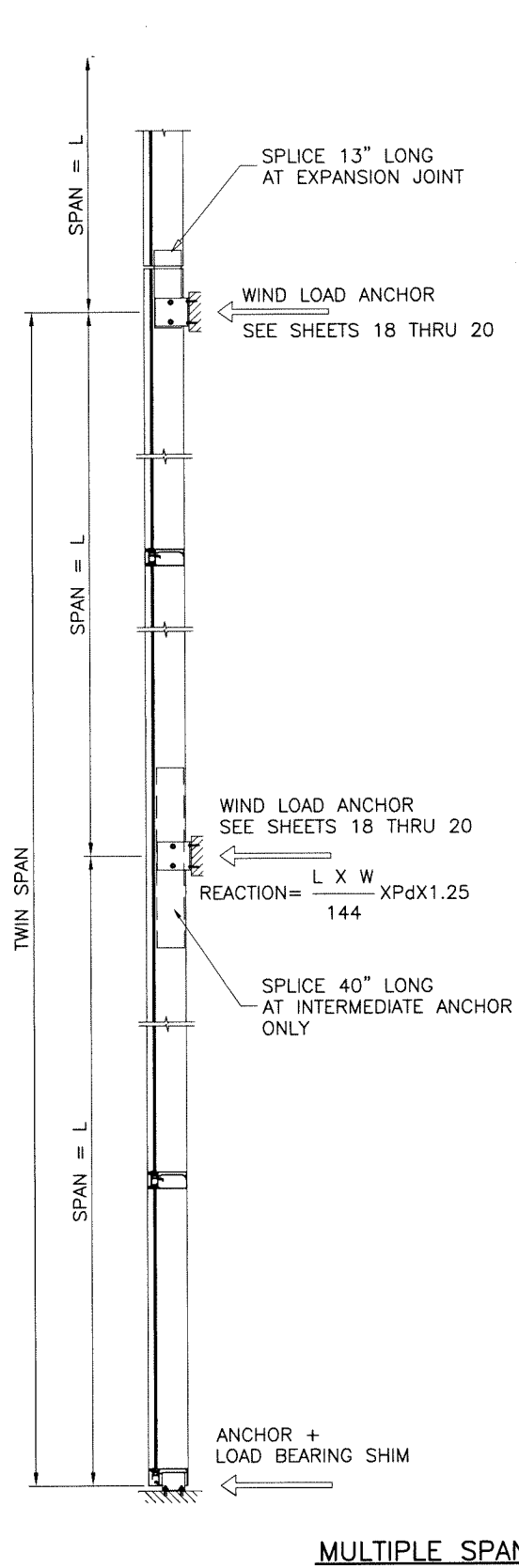
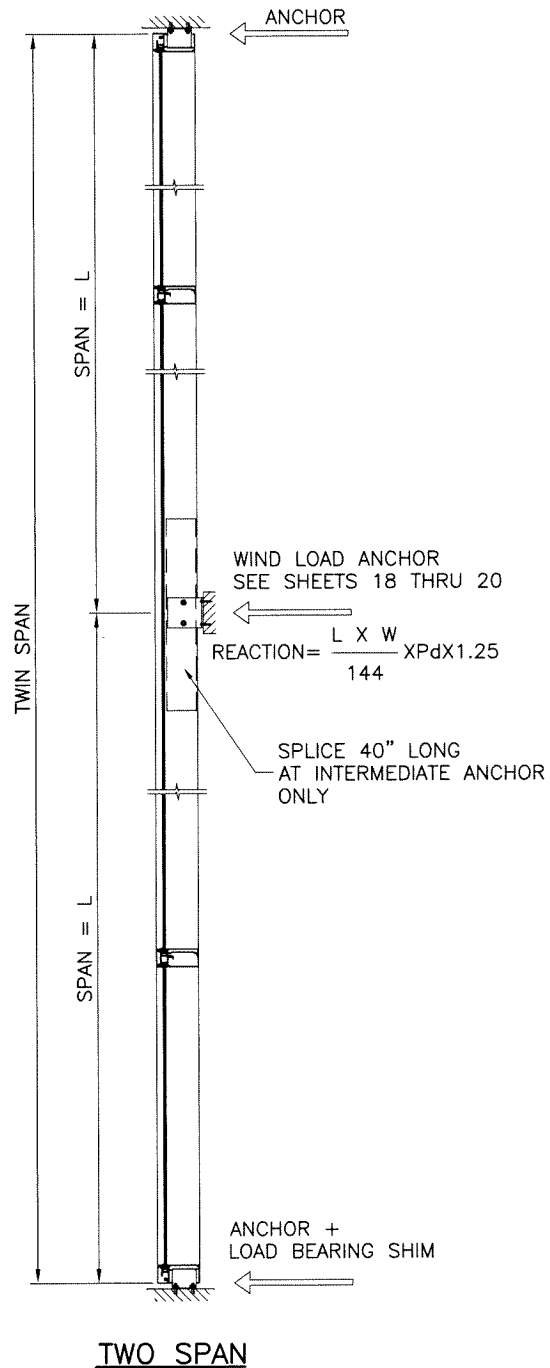
MULLION LOAD CAPACITY - PSF TWIN SPANS			
NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	114"	100.0	100.0
39"		100.0	100.0
42"		100.0	100.0
45"		100.0	100.0
48"		100.0	100.0
51"		100.0	100.0
54"		100.0	100.0
57"		100.0	100.0
60"		100.0	100.0
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.



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revisions:	no	date	by	description

date: 05-08-18

scale: -

dr. by: TARIQ

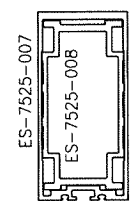
chk. by:

drawing no.
18-56F

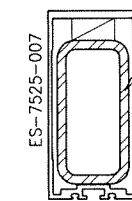
sheet 9 of 30

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

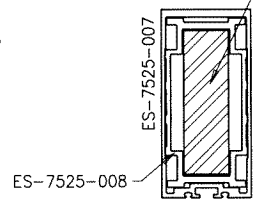
MULLION LOAD CAPACITY - PSF TWIN SPANS				
NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M1B'	MULLION 'M1C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	150"	96.0	100.0	130.0
39"		88.6	100.0	130.0
42"		82.3	99.4	130.0
45"		76.8	92.8	130.0
48"		72.0	87.0	130.0
51"		-	81.8	129.6
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
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



ES-7525-007



ES-7525-007



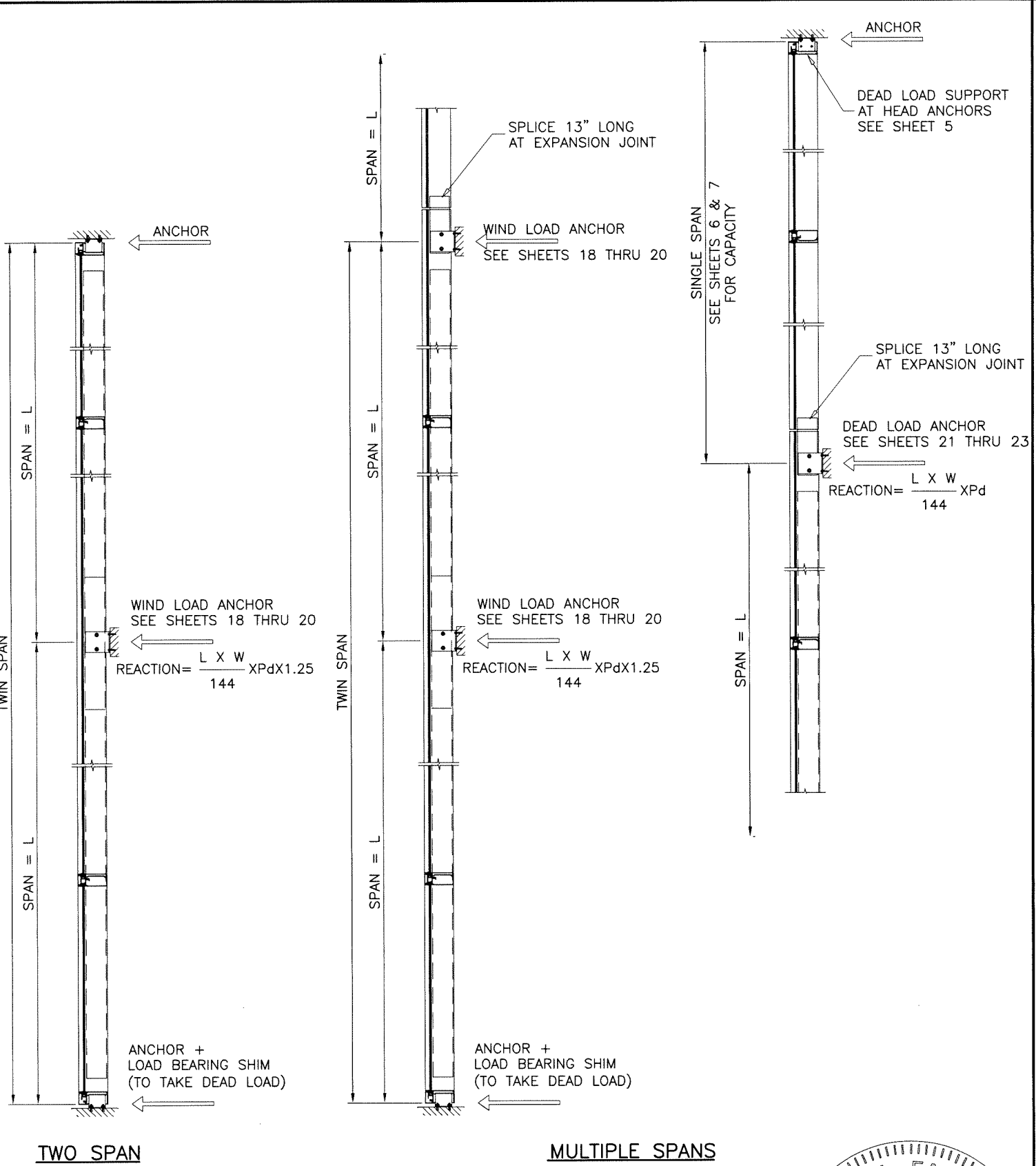
ES-7525-008

36A, 40" LONG AT INTERMEDIATE ANCHORS

MULLION 'M1A' MULLION 'M1B' MULLION 'M1C'

Ix IN ⁴	Sx IN ³	Ix IN ⁴	Sx IN ³
15.1742	5.7059	8.8201	3.3166
ALUMINUM		STEEL	
TOTAL		TOTAL	
Ix ALUM + Ix STL X 2.9		21.8411	

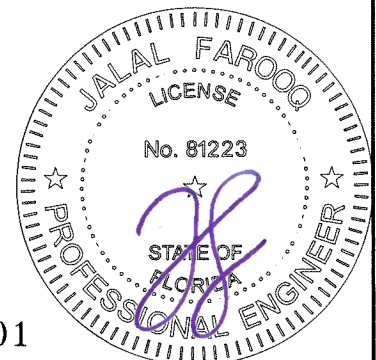
REINF. LENGTH = MULL LENGTH - 6"



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

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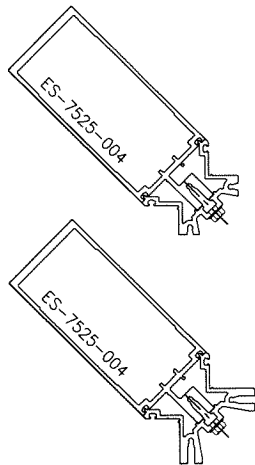
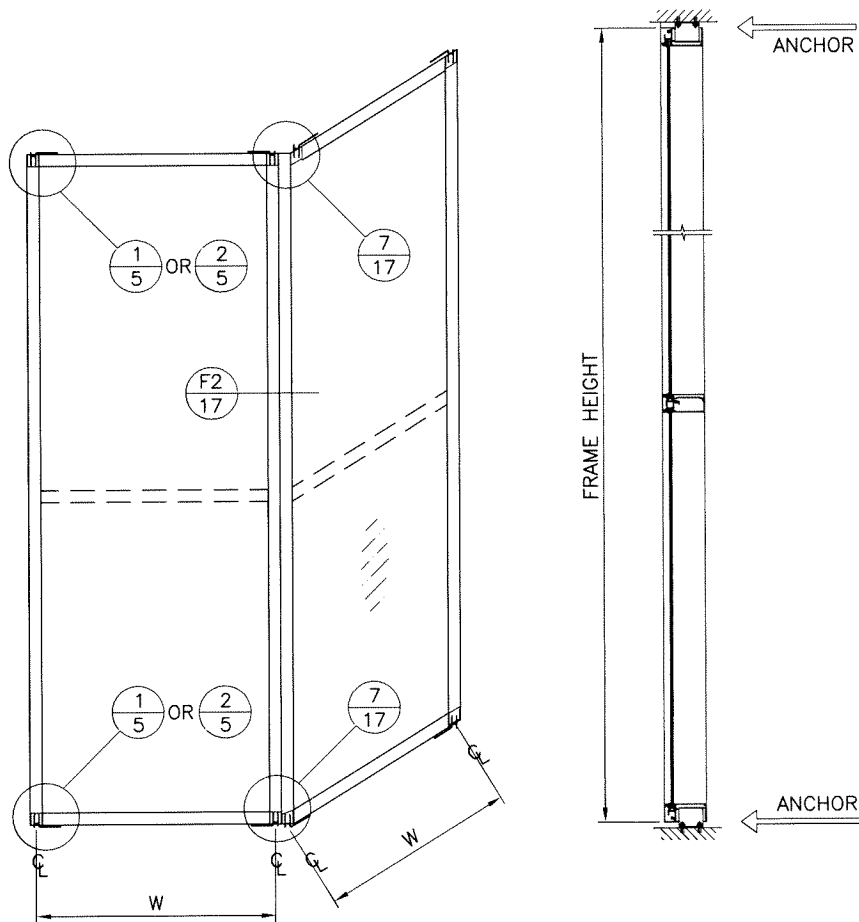
Revisions:

no	date	by	description

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

drawing no. **18-56F**
sheet 10 of 30

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

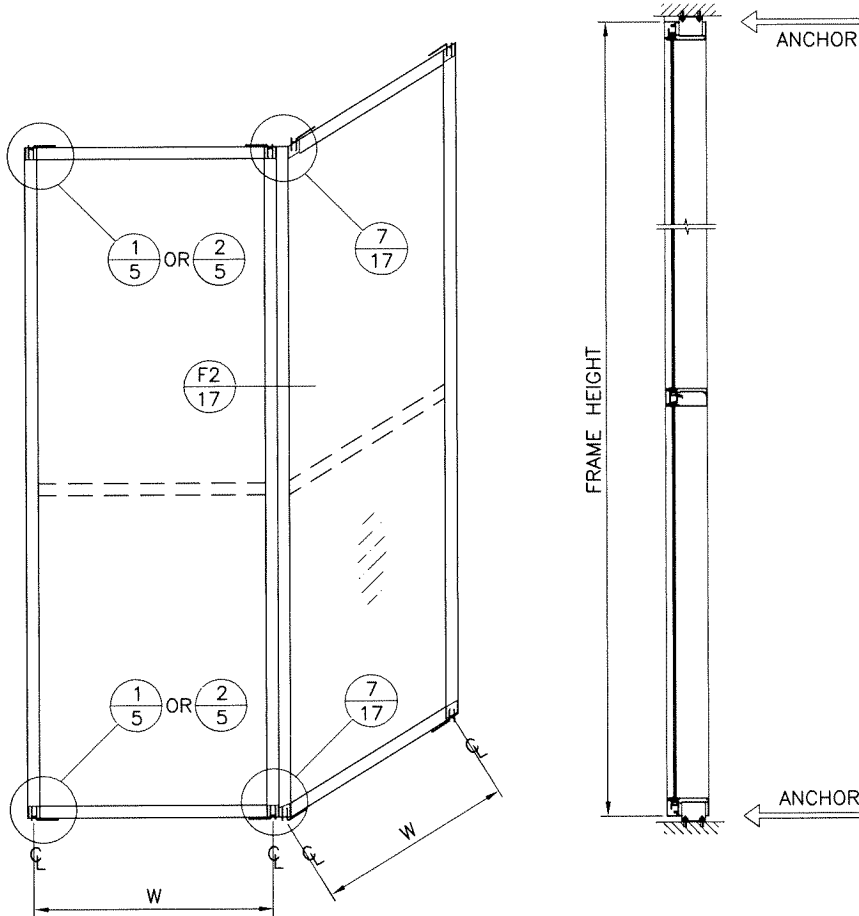


CORNER MULLION

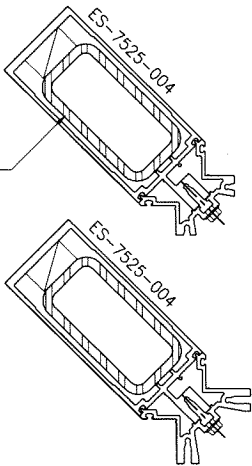
WIDTH-W INCHES	FRAME HEIGHT INCHES	DESIGN LOAD CAPACITY PSF
42	108	100.0
48		100.0
54		100.0
60		100.0
42	114	100.0
48		100.0
54		100.0
60		96.3
42	120	100.0
48		100.0
54		96.2
60		86.6

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

CORNER MULLION WITH REINFORCING
SINGLE SPAN WITH OR WITHOUT HORIZONTAL



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

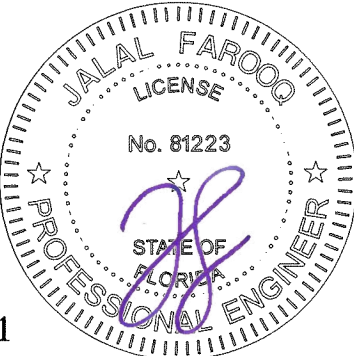


CORNER MULLION
W/ STEEL REINF.

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

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revisions:

no	date	by	description

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scale: -

dr. by: TARIQ

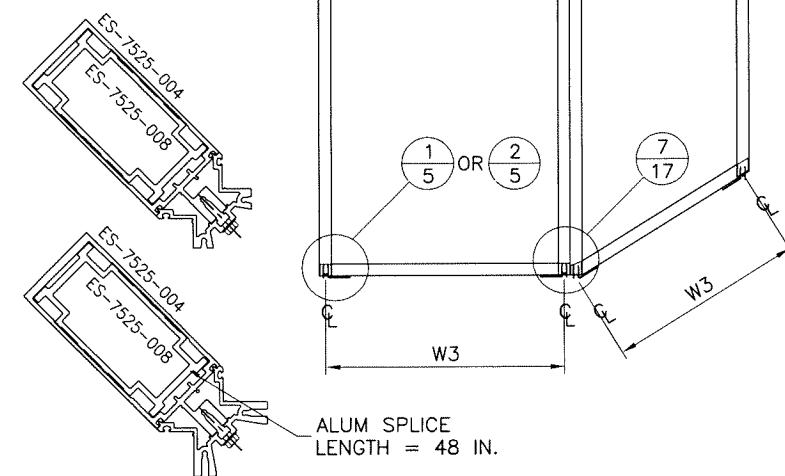
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drawing no.
18-56F

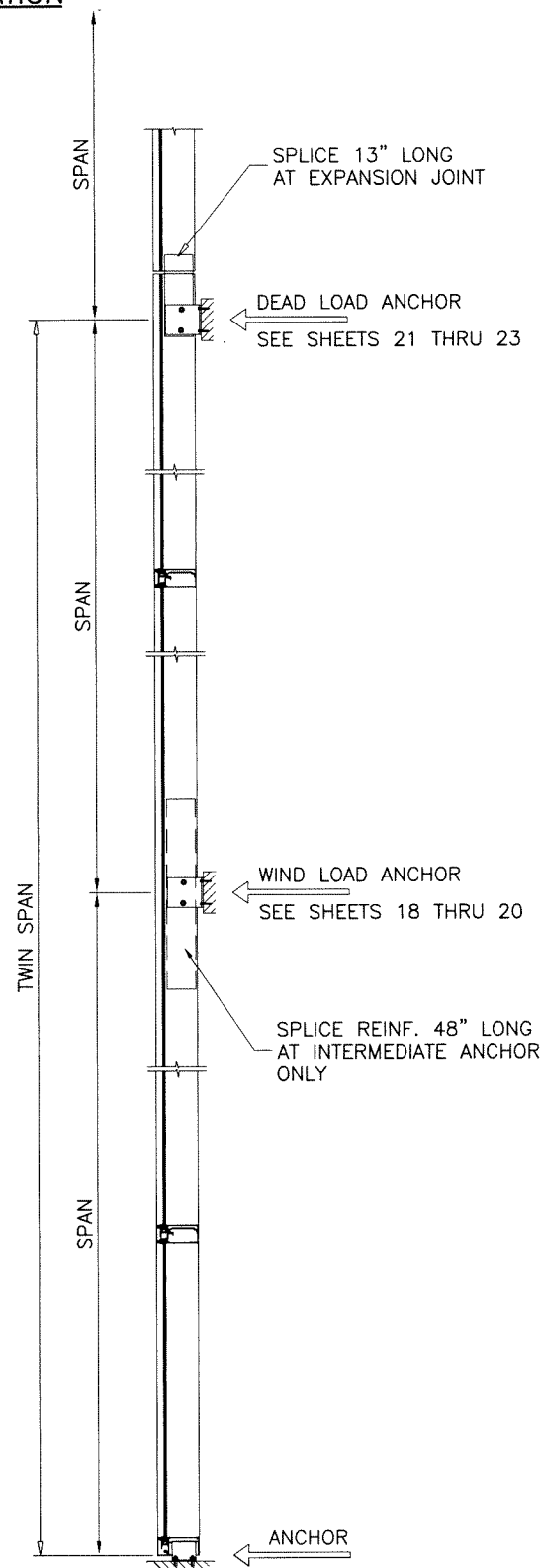
sheet 11 of 30

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

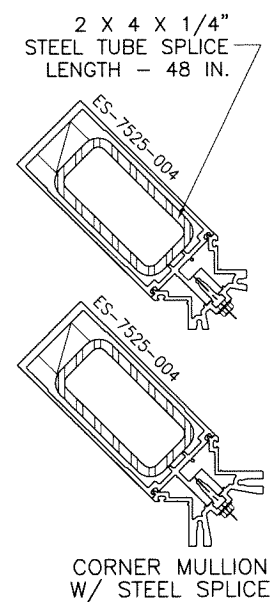


CORNER MULLION
W/ ALUM REINF.

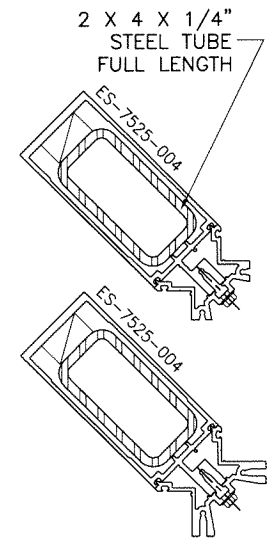


CORNER MULLION WITH STEEL REINF. AT ANCHOR LOCATION
TWIN SPAN WITH OR WITHOUT HORIZONTAL

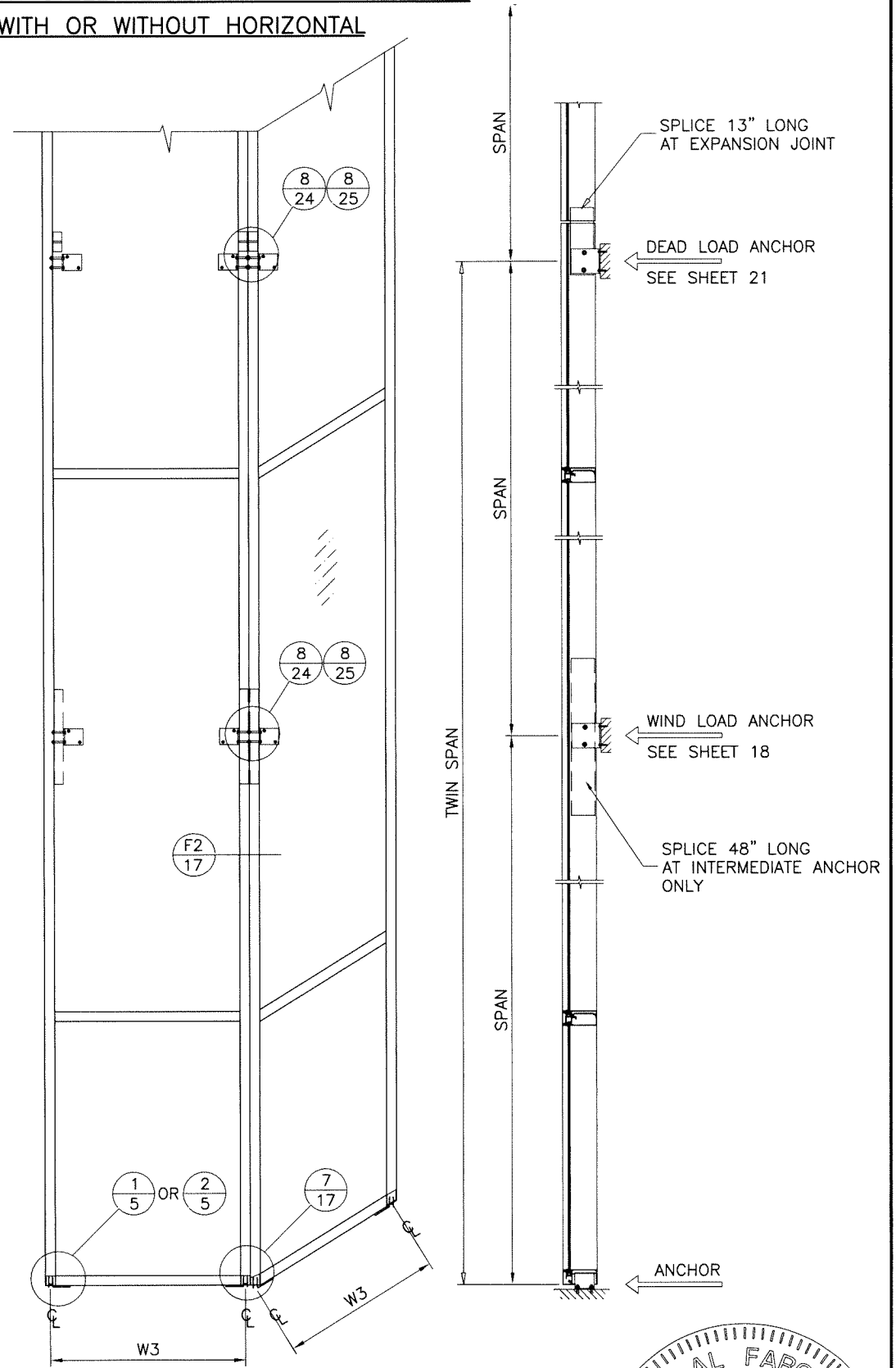
W3	SPAN	Pd - PSF
48"	144"	100.0
54"		100.0
60"		100.0
48"	150"	100.0
54"		100.0



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"	130"	120.0
78"		111.6
84"		103.6
90"		96.9



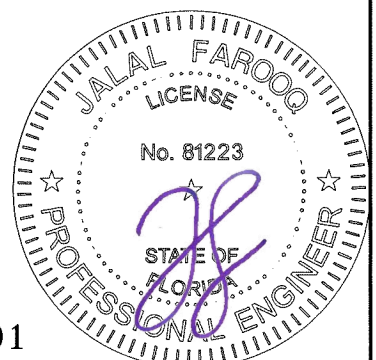
CORNER MULLION
W/ STEEL REINF.



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

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FL #27101



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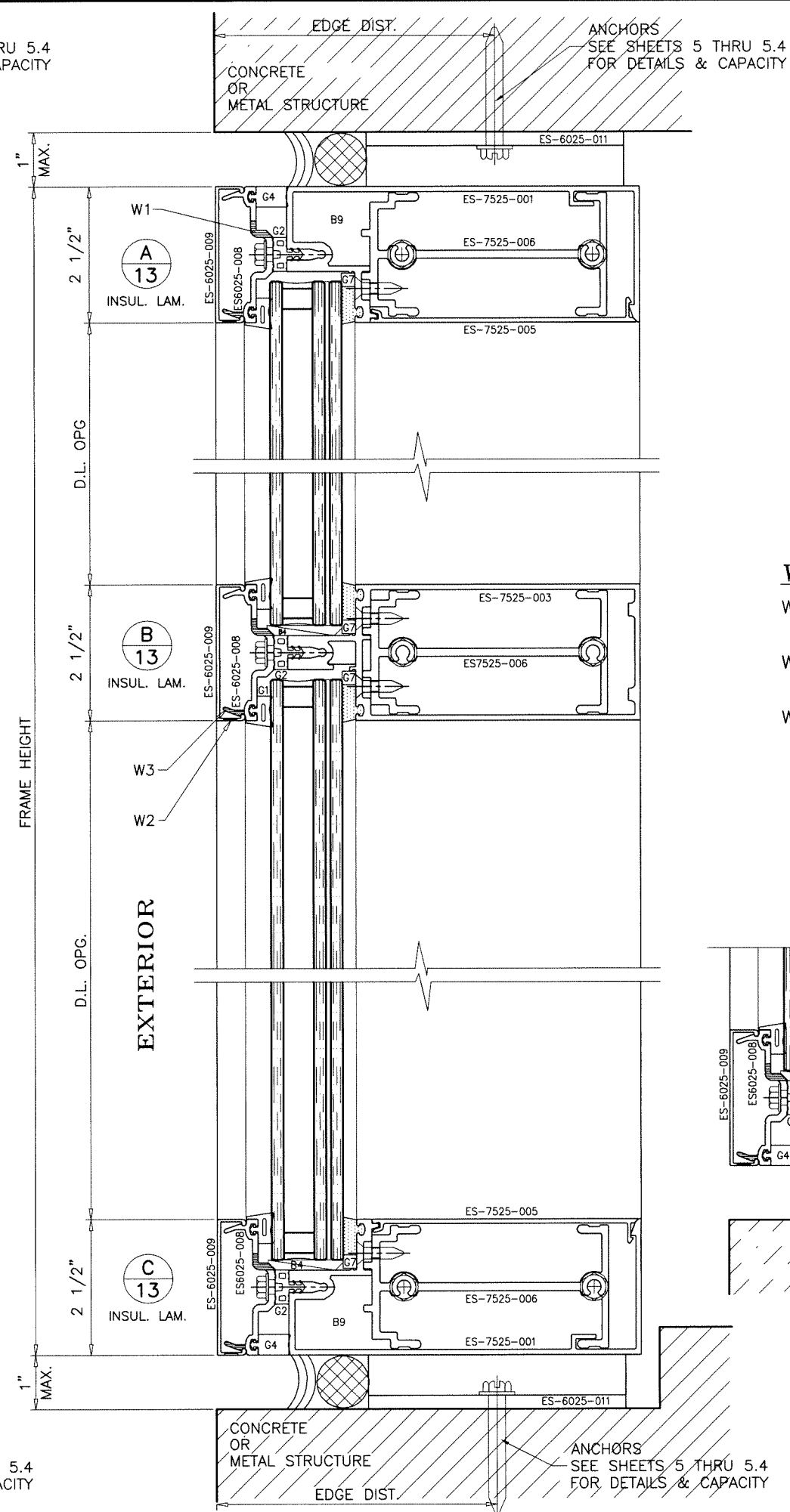
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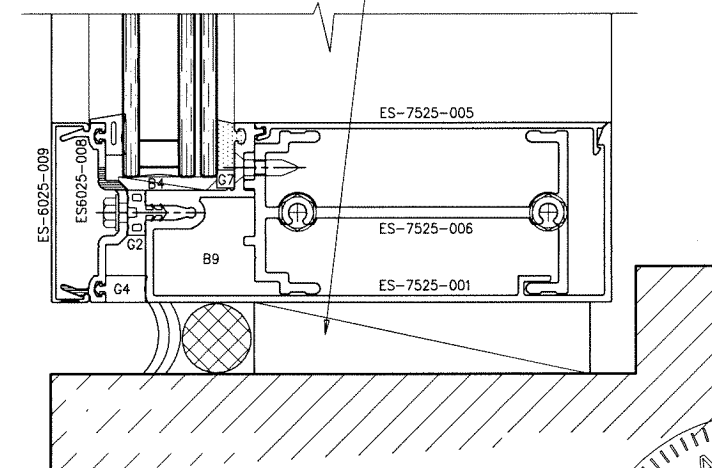
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dr. by: TARIQ
chk. by:

drawing no.
18-56F
sheet 12 of 30

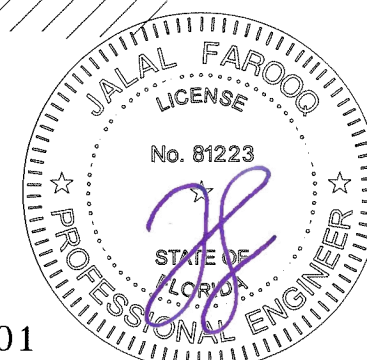
COMP-ANL\18-56F-MG



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



FL #27101



date: 05-08-18

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

revisions:

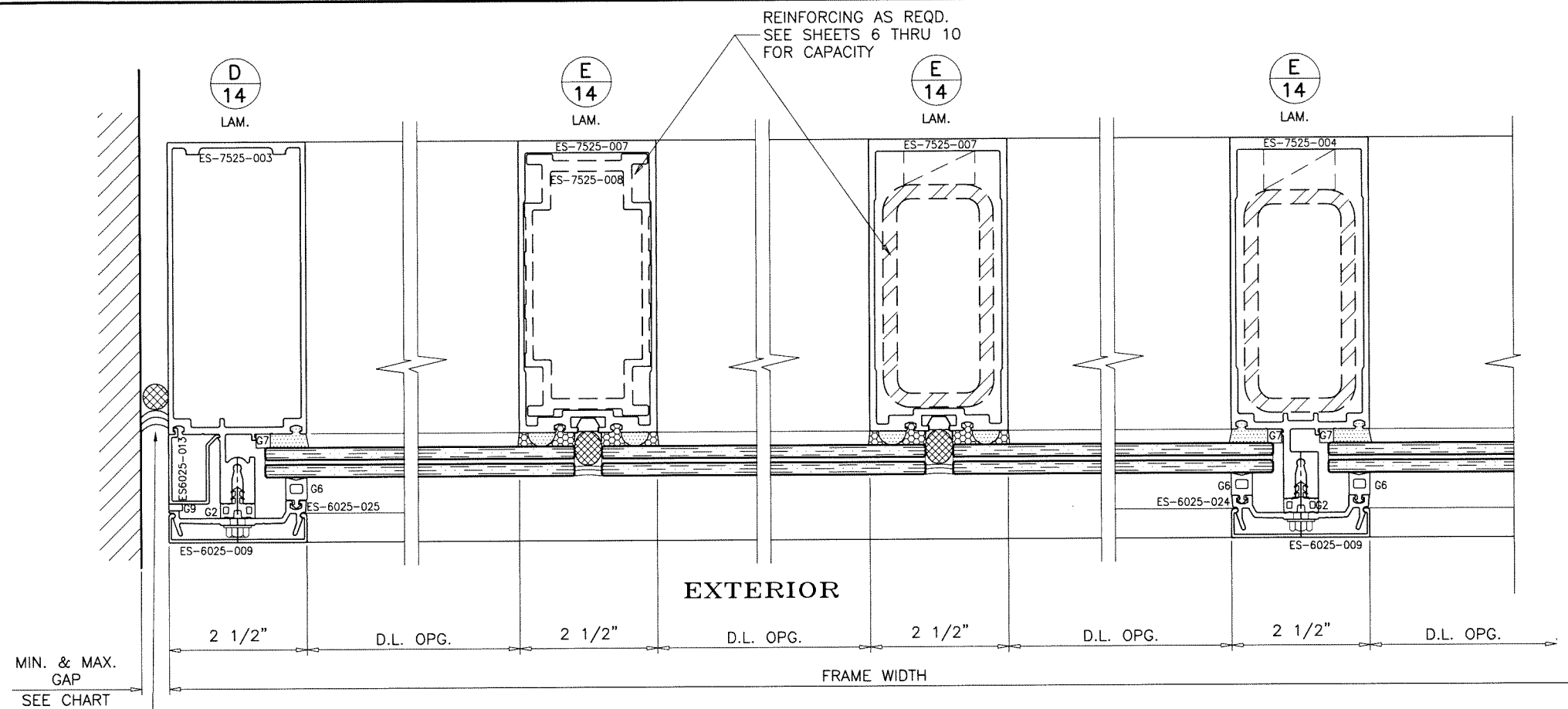
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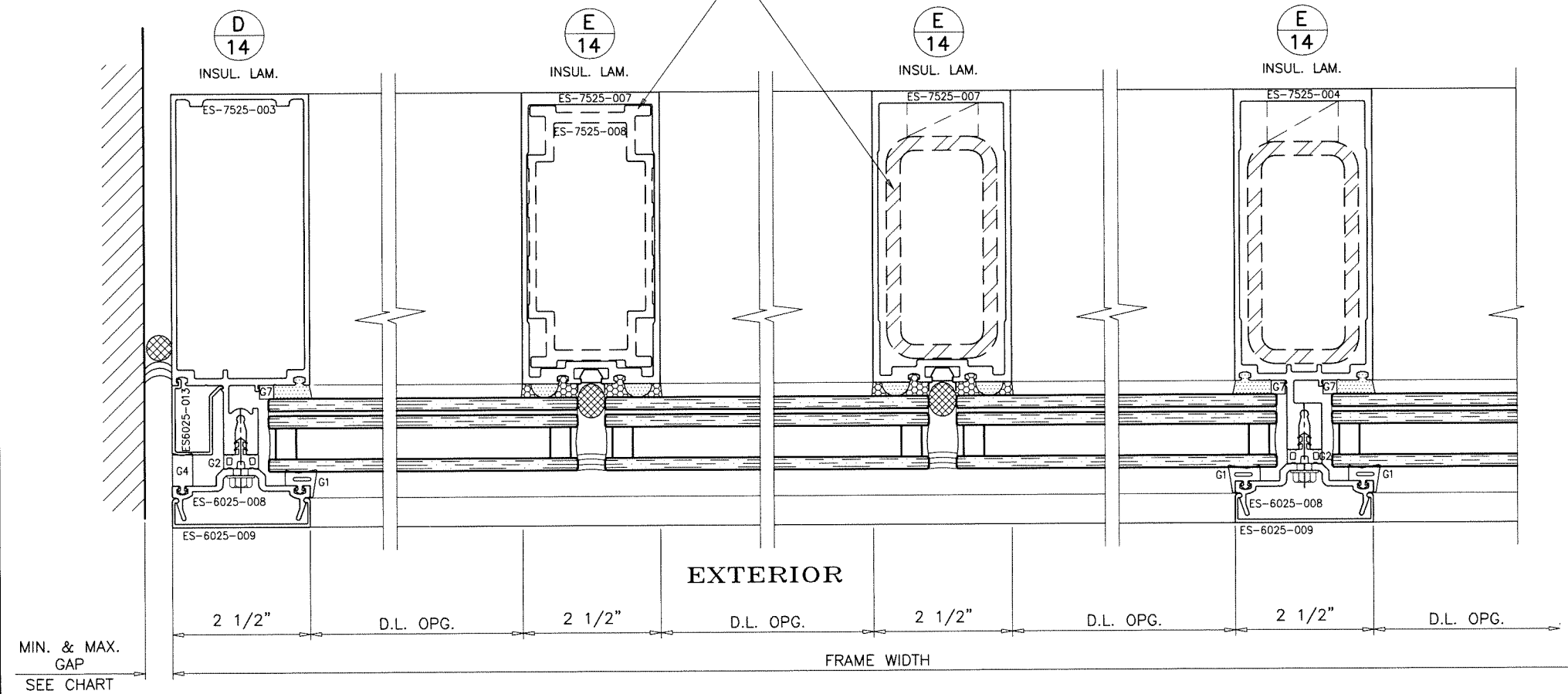
18-56F

sheet 13 of 30

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



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



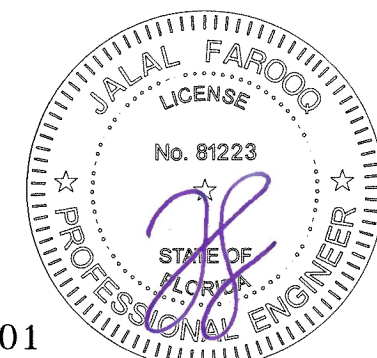
MIN. & MAX.
GAP
SEE CHART

MAX. FRAME HEIGHT	GAP			
	DOWSIL 791 MIN.	DOWSIL 791 MAX.	DOWSIL 790 MIN.	DOWSIL 790 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.

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FL #27101



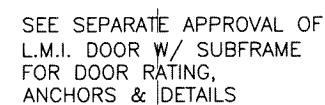
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

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

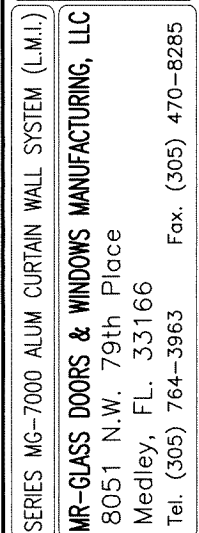
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drawing no.
18-56F
sheet 14 of 30



DETAIL '9'

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

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AL-FAROOQ CORPORATION

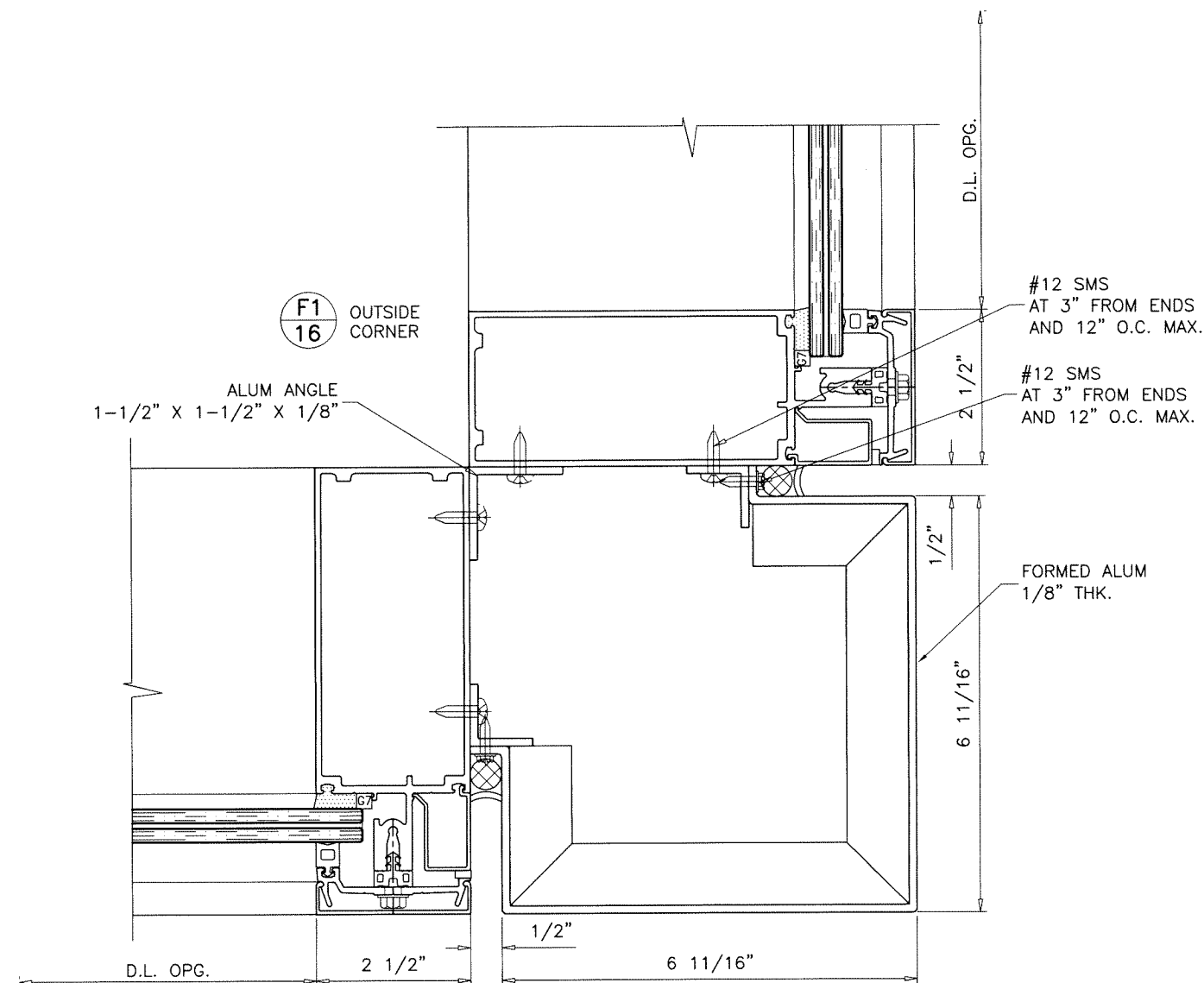
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220

9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
(C.A.N. 3538)
TEL (305) 264-8100 FAX (305) 262-6078

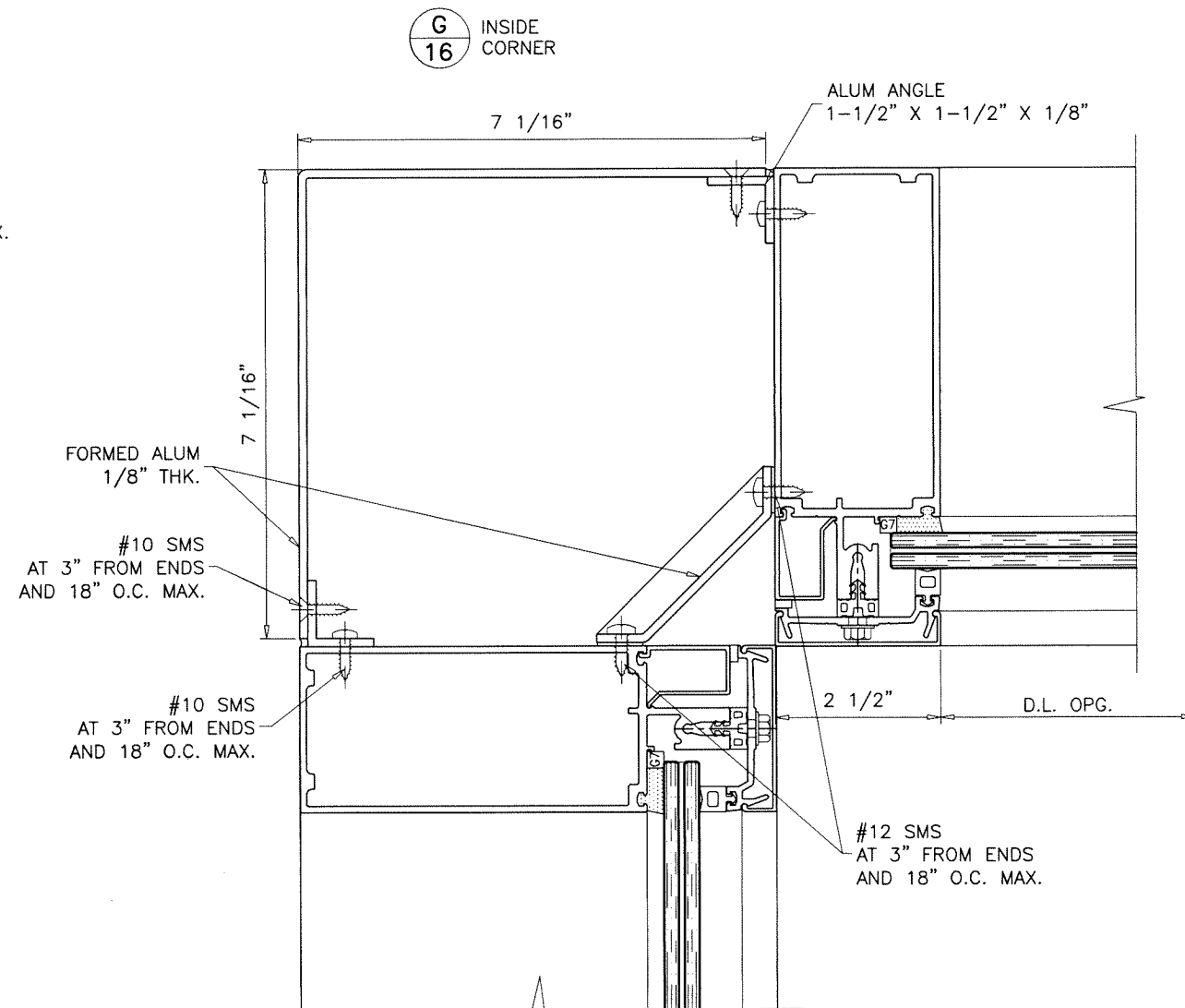
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 0000)

COMP-ANL\18

COMP-ANL\18-56F-MG



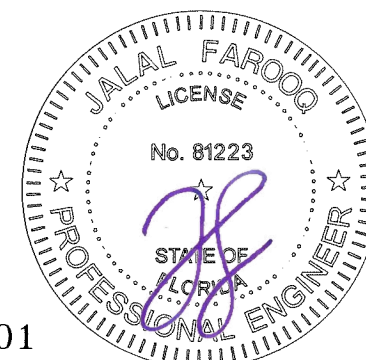
FOR MULLION CAPACITY
SINGLE SPAN SEE SHEET 6
TWIN SPANS SEE SHEET 8



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

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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

af c

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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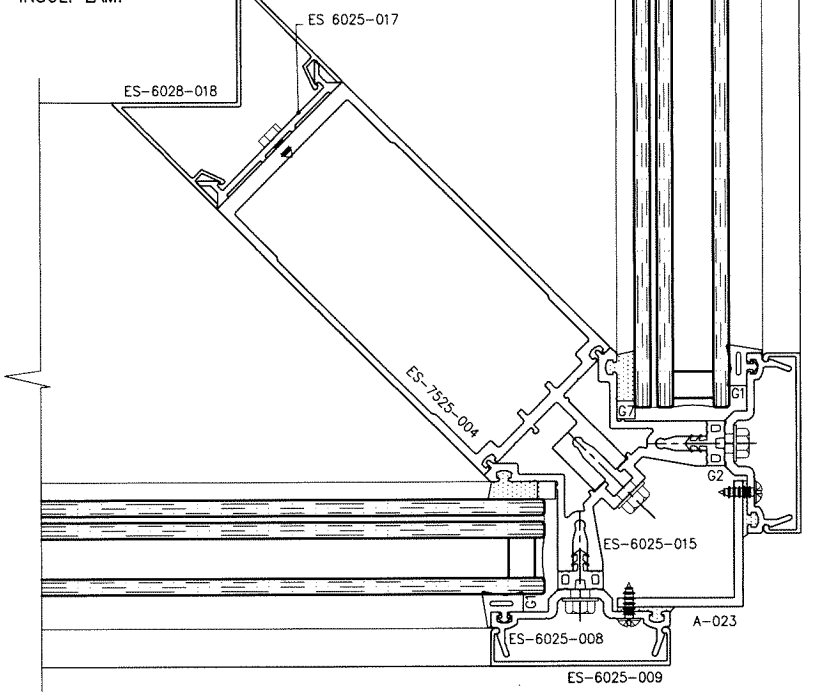
(c.a.n. 3538)

revisions:	
no	date by description

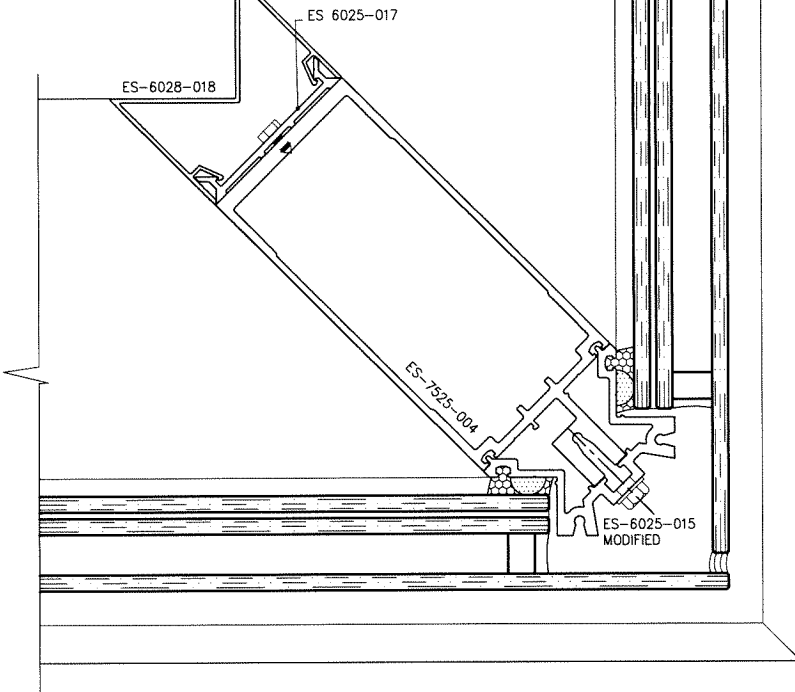
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scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
18-56F
sheet 16 of 30

F2
17
OUTSIDE
CORNER
INSUL. LAM.



F2
17
OUTSIDE
CORNER
INSUL. LAM.

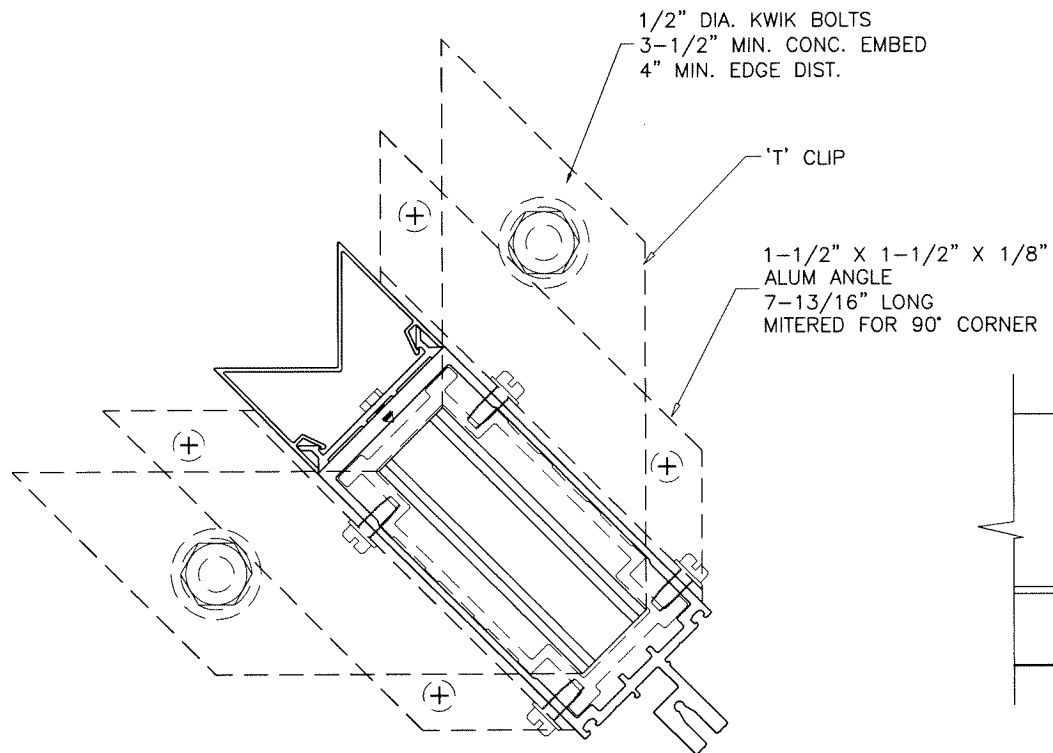


FOR MULLION CAPACITY
SINGLE SPAN SEE SHEET 11
TWIN SPANS SEE SHEET 12

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

'T' CLIP

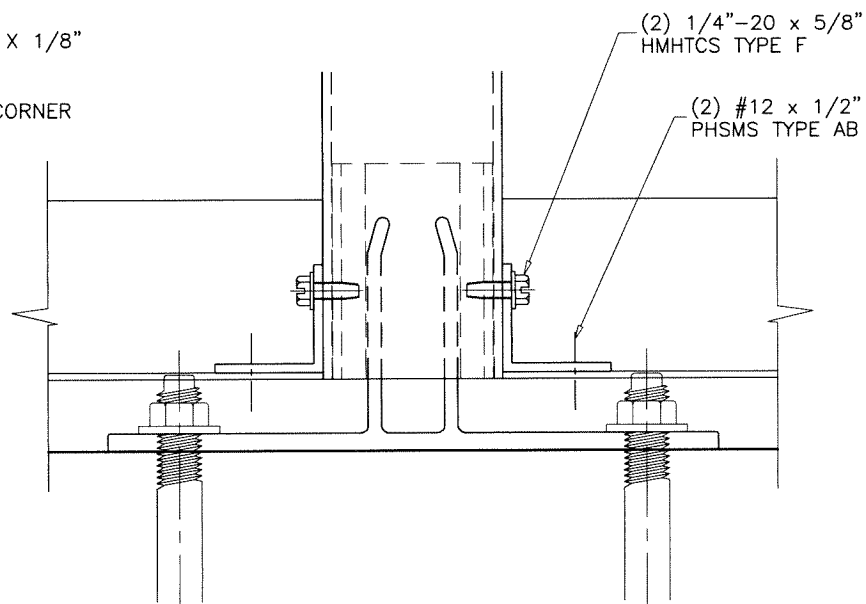
1-1/2" X 1-1/2" X 1/8"
ALUM ANGLE
7-13/16" LONG
MITERED FOR 90° CORNER



CORNER MULLION ANCHORS
HEAD/SILL
DETAIL '7'

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

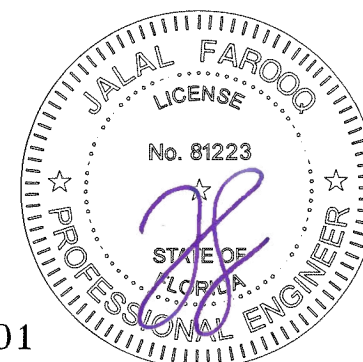
(2) #12 x 1/2"
PHSMS TYPE AB



CORNER MULLION ANCHORS
FRONT VIEW

Sealed: 10/2/2023

FL #27101



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

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MIAMI, FLORIDA 33173

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FAX. (305) 262-6978

(C.A.N. 3538)

COMP-ANL 18-56F-MG

revisions:
no date by description

date: 05-08-18

scale: 3/8" = 1"

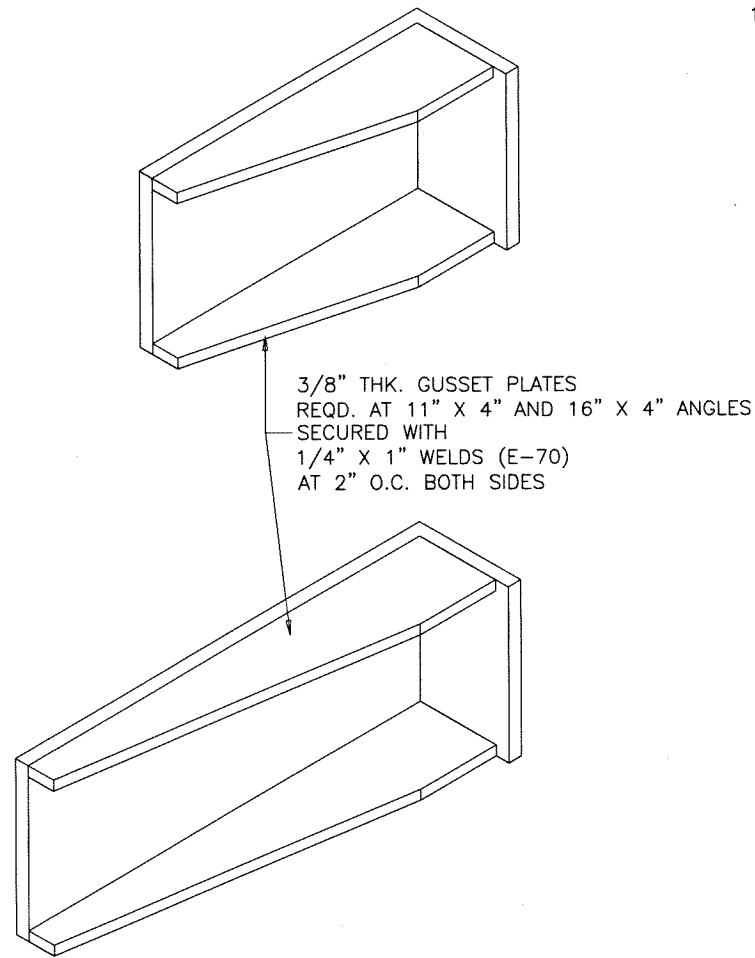
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chk. by:

drawing no.

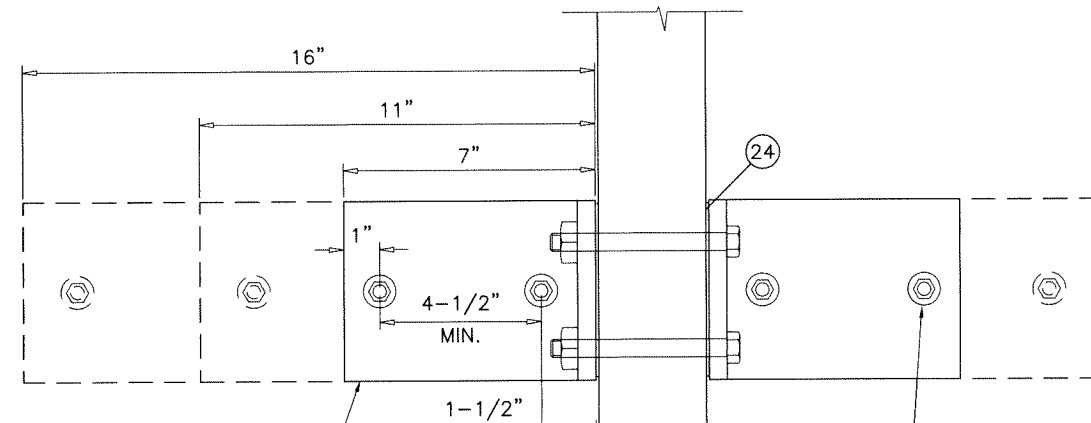
18-56F

sheet 17 of 30

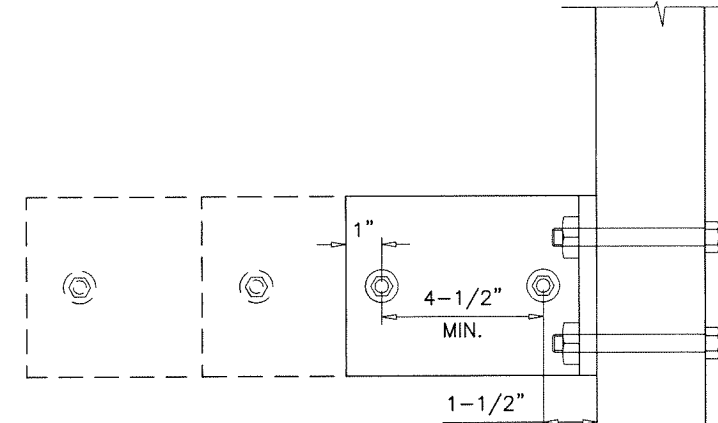


7 X 4 X 1/2" (FOR 2 ANCHORS)
11 X 4 X 1/2" (FOR 3 ANCHORS)
16 X 4 X 1/2" (FOR 4 ANCHORS)
STL. ANGLE, 6" LONG
AT EACH SIDE OF MULLION

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

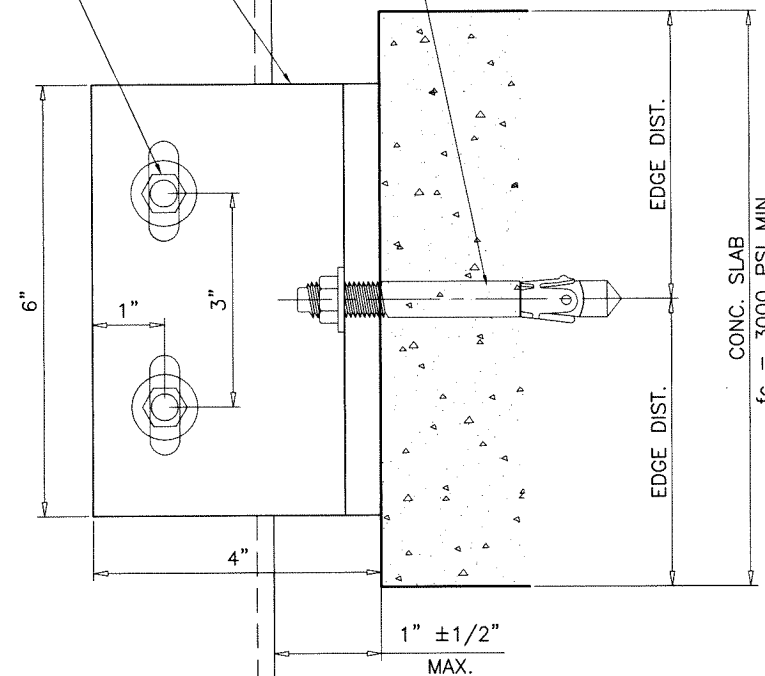


DETAIL '4'



DETAIL '3'

1/2" DIA. KWIK BOLT-3 EXPANSION ANCHOR
2, 3 OR 4 PER ANGLE (SEE CHART FOR CAPACITY)
3-1/2" MIN. EMBED
4-1/2" C/C SPACING
4" MIN. EDGE DIST.



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

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

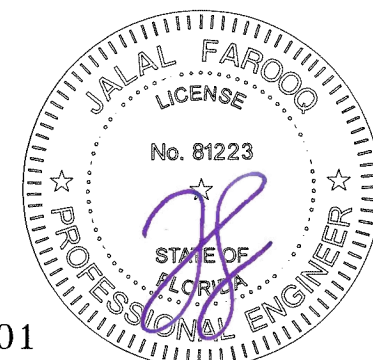
WIND LOAD ANCHOR

SEE SHEET 18.1 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.

Sealed: 10/2/2023

FL #27101



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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Tel. (305) 764-3963 Fax. (305) 470-8285

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

revisions:

no	date	description

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18-56F
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

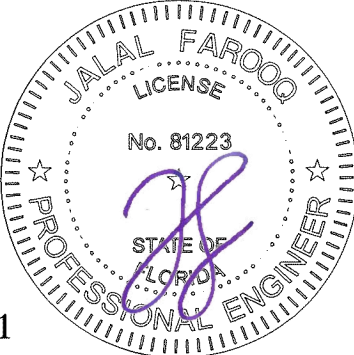
MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)				
NOMINAL DIMS.		(2) 1/2" DIA.	(3) 1/2" DIA.	(4) 1/2" DIA.
WIDTH (W)	FRAME HEIGHT	KWIK BOLT	KWIK BOLT	KWIK BOLT
36"	114"	130.0	130.0	130.0
42"		121.8	130.0	130.0
48"		106.6	130.0	130.0
54"		94.8	130.0	130.0
60"		85.3	127.9	130.0
66"		77.5	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

Sealed: 10/2/2023

WIND LOAD ANCHOR



FL #27101

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	
no	description

date: 05-08-18

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

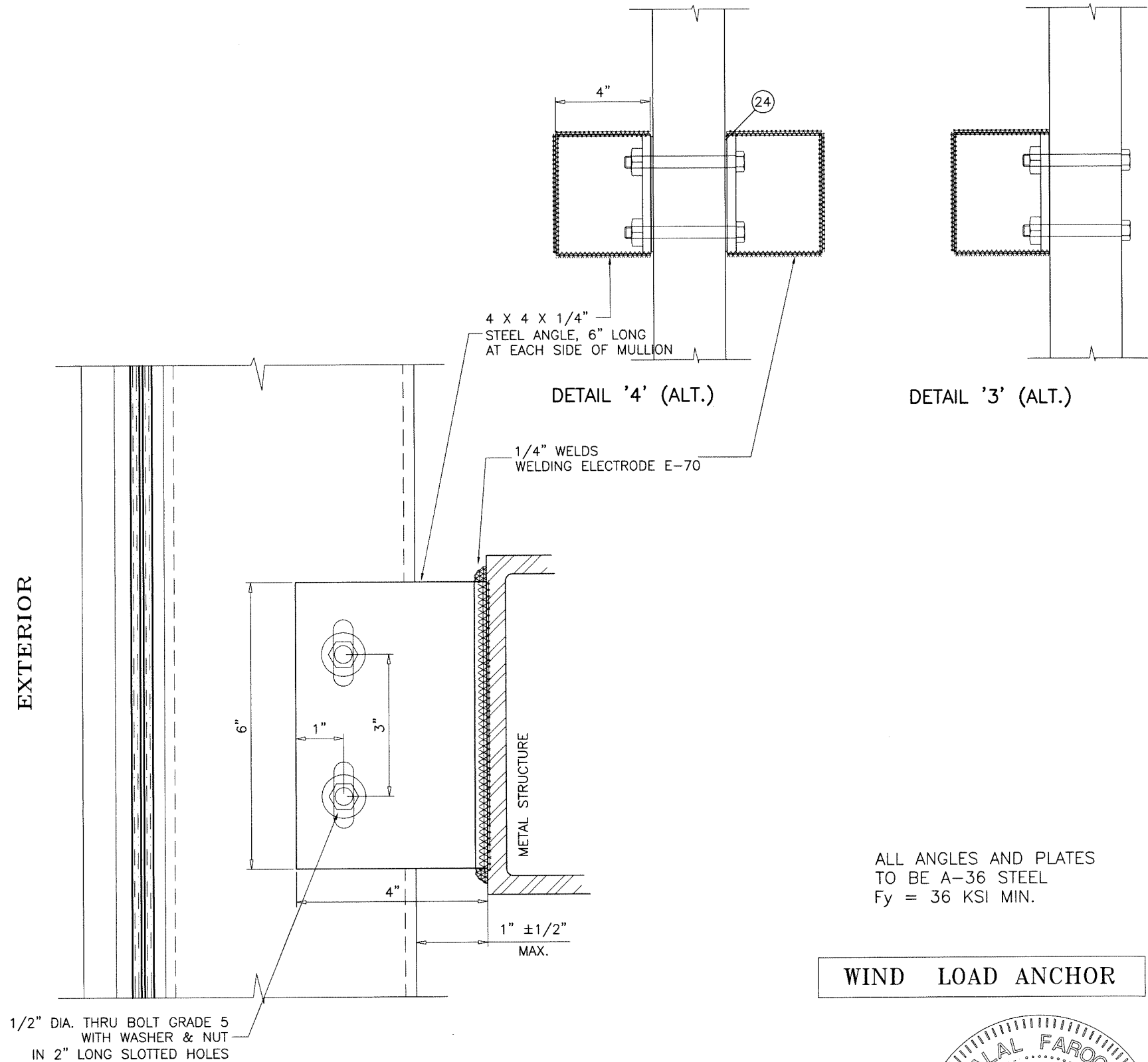
drawing no.

18-56F

sheet 18.1 of 30

COMP-ANL \ 18-56F-MG

REACTION AT
MULLION INTERMEDIATE ANCHOR
WIND LOAD $\leq$ 12000 LBS
JAMB INTERMEDIATE ANCHOR
WIND LOAD $\leq$ 6000 LBS



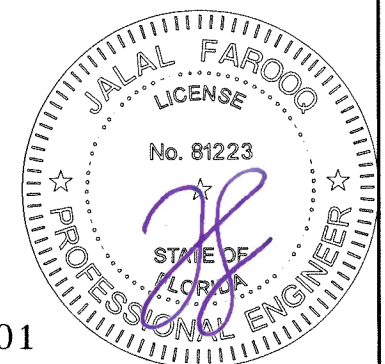
WIND LOAD ANCHOR

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

INTERMEDIATE ANCHORS
DETAIL '4' ALT. AT CENTER MULLION
DETAIL '3' ALT. AT JAMB MULLION
METAL STRUCTURES
COMMERCIAL STEEL - 1/4" MIN. THICKNESS

Sealed: 10/2/2023

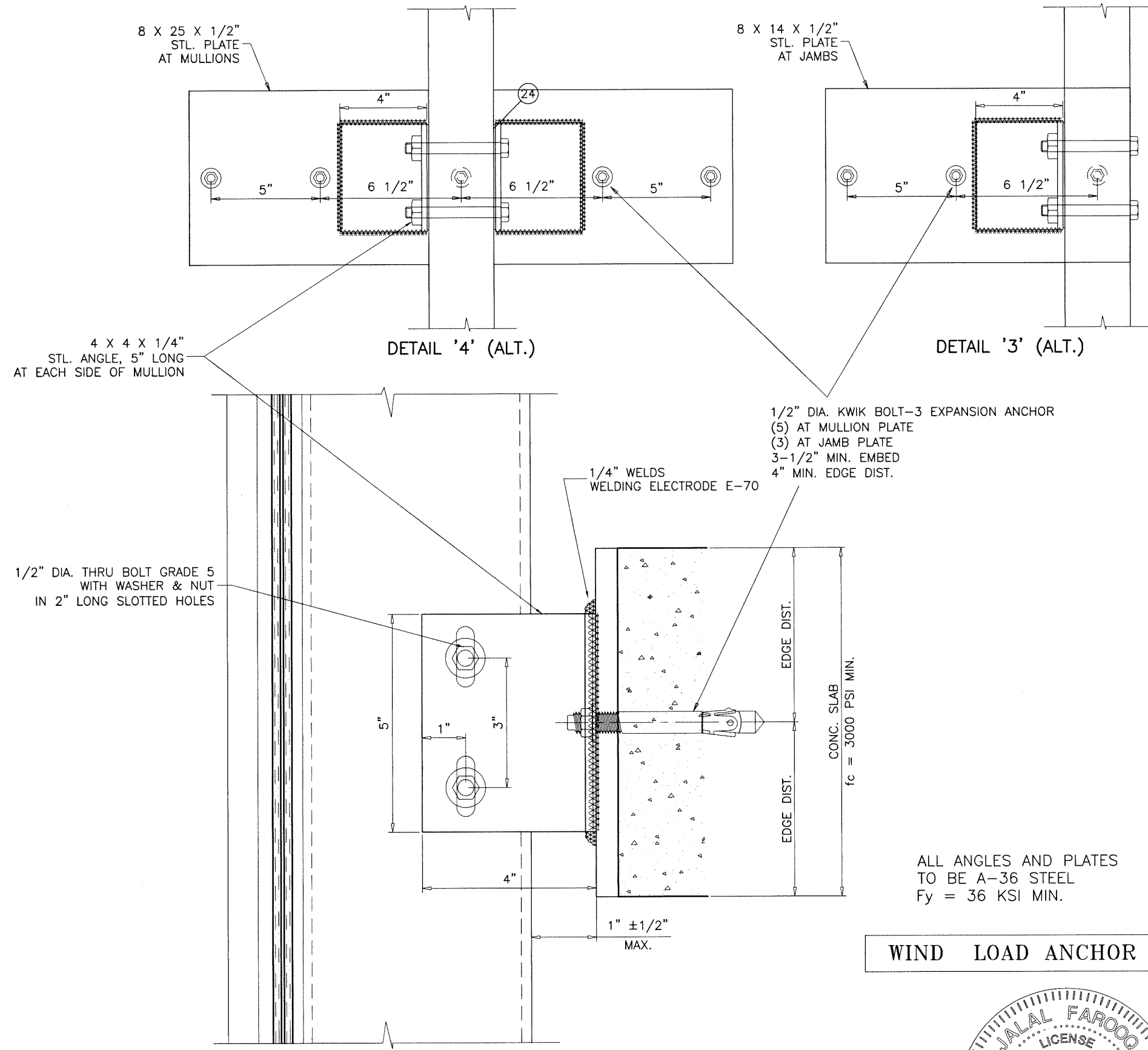
FL #27101



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COMP-ANL\18-56F-MG

revisions:		no date by description	
date:	05-08-18	scale:	3/8" = 1"
dr. by:	TARIQ	chk. by:	
drawing no.	18-56F	sheet	19 of 30



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.

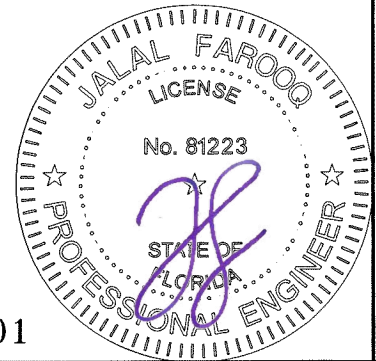
INTERMEDIATE ANCHORS
DETAIL '4' AT CENTER MULLION
DETAIL '3' AT JAMB MULLION
ANCHORS INTO CONCRETE

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

WIND LOAD ANCHOR

Sealed: 10/2/2023

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revisions:	
no	date by description

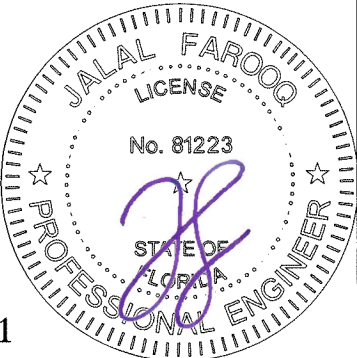
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				sheet 20 of 30

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.	NOMINAL DIMS.		1/2" DIA.	NOMINAL DIMS.		1/2" DIA.
WIDTH (W)	FRAME HEIGHT	KWIK BOLT	WIDTH (W)	FRAME HEIGHT	KWIK BOLT	WIDTH (W)	FRAME HEIGHT	KWIK BOLT
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	36"	156"	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	36"	168"	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	36"	184-1/8"	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	36"	138"	130.0	36"	196-3/4"	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	36"	147"	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: 10/2/2023

FL #27101



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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

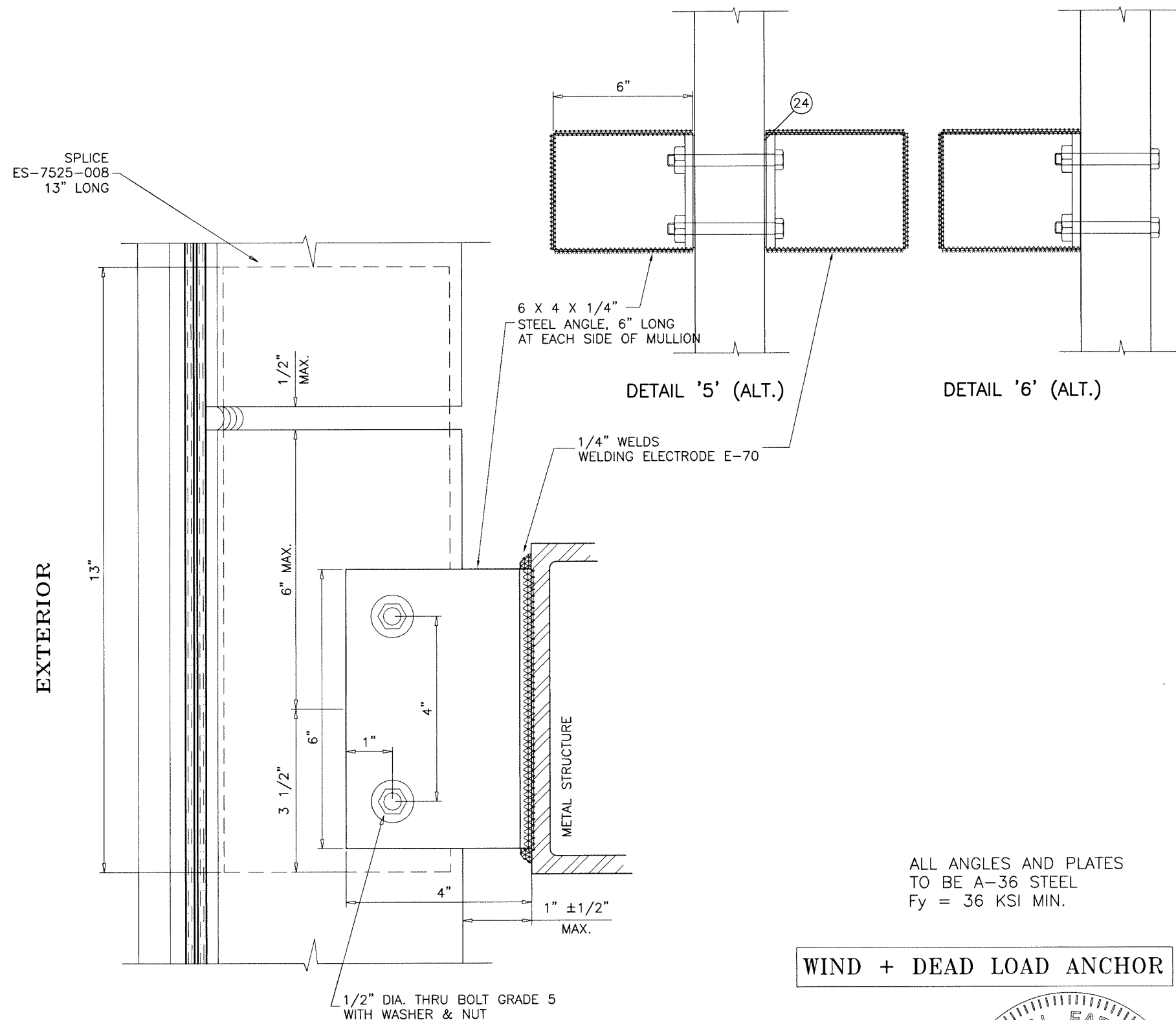
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no date by description

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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

REACTION AT
 MULLION INTERMEDIATE ANCHOR
 WIND LOAD $\leq$ 12000 LBS
 DEAD LOAD $\leq$ 1000 LBS
 JAMB INTERMEDIATE ANCHOR
 WIND LOAD $\leq$ 6000 LBS
 DEAD LOAD $\leq$ 500 LBS

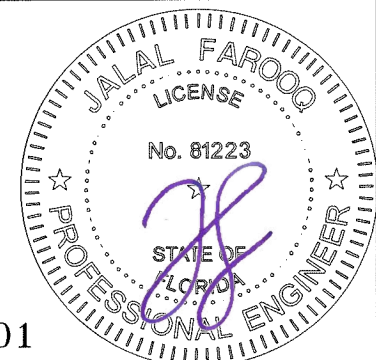


WIND + DEAD LOAD ANCHOR

INTERMEDIATE ANCHORS
 DETAIL '5' (ALT.) AT CENTER MULLION
 DETAIL '6' (ALT.) AT JAMB MULLION
 METAL STRUCTURES
 COMMERCIAL STEEL - 1/4" MIN. THICKNESS

Sealed: 10/2/2023

FL #27101



AL-FAROOQ CORPORATION
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 Medley, FL. 33166
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revisions:	no	date	by	description

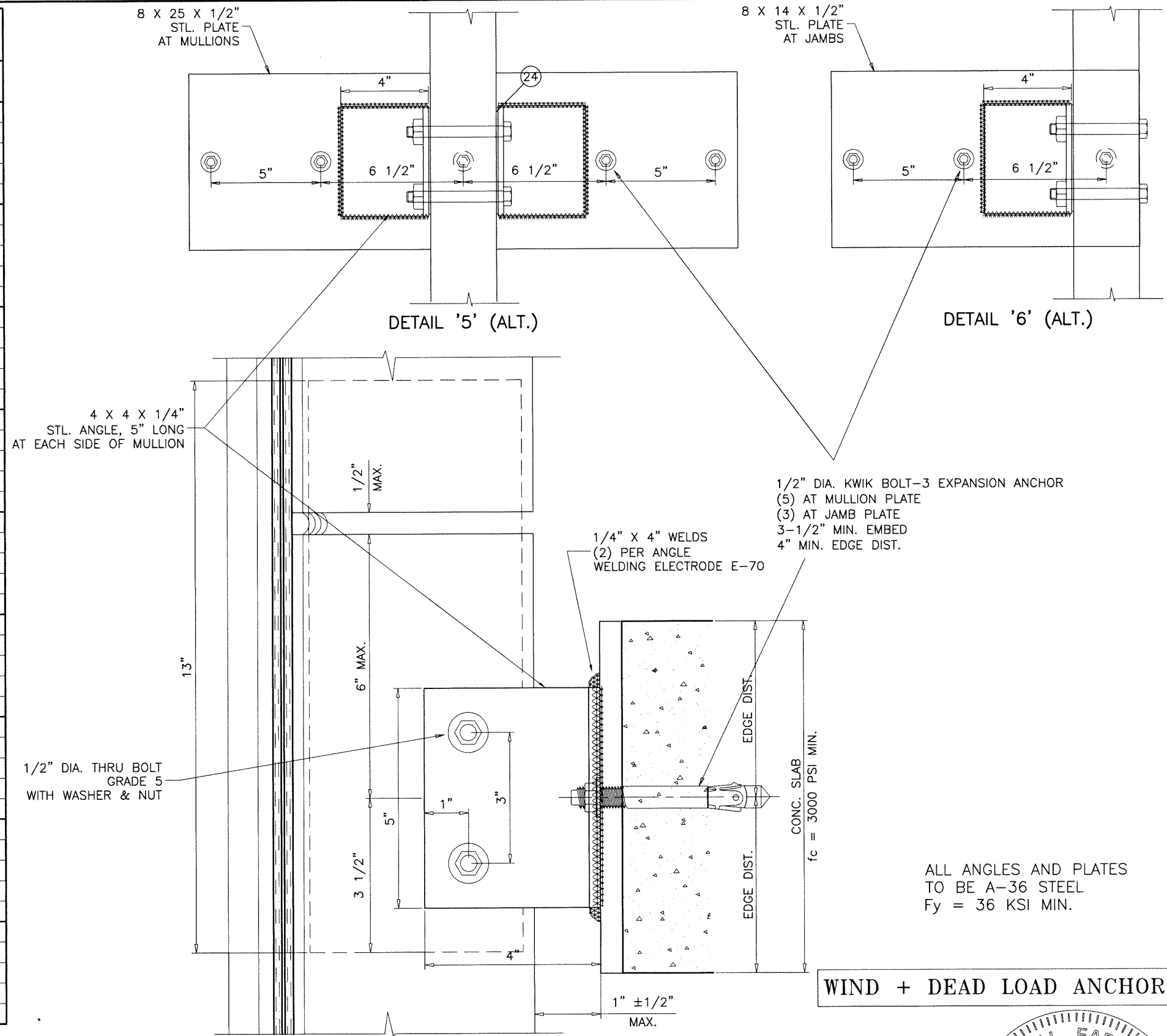
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drawing no.
18-56F
 sheet 22 of 30

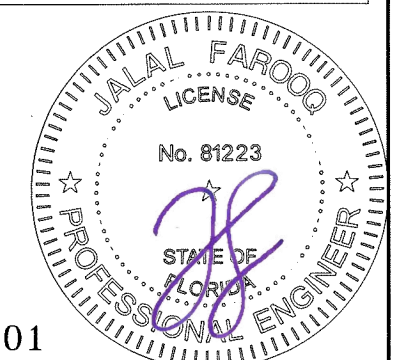
COMP-ANL \ 18-56F-MG

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"	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 IN
 ANCHORS TO BE DESIGNED
 THE DESIGN TO BE REVIEWED
 JURISDICTION.



Sealed: 10/2/2023



WIND + DEAD LOAD ANCHOR

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

a f c

(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	description

date: 05-08-18

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dr. by: TARIQ

chk. by:

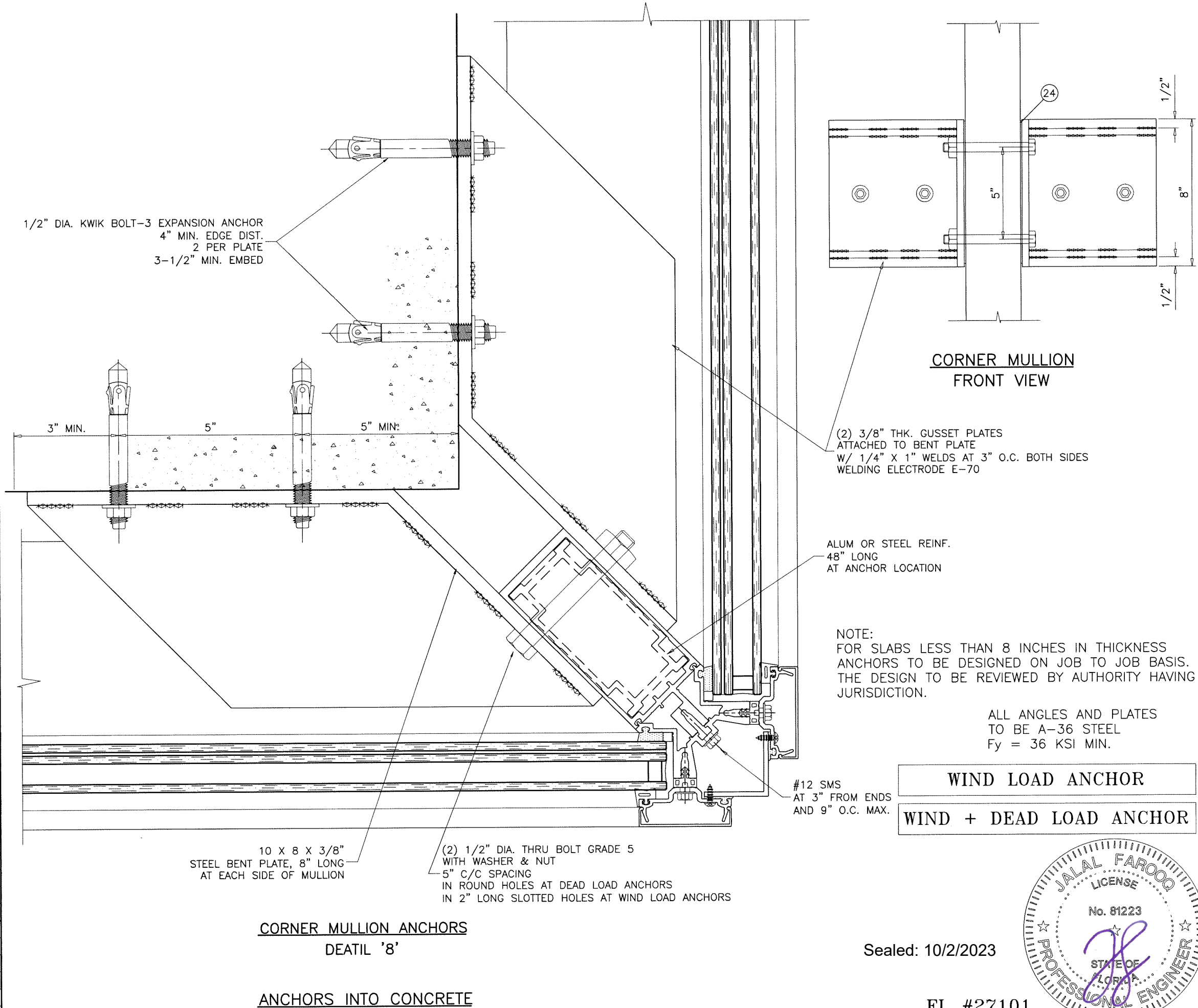
drawing no.

18-56F

sheet 23 of 30

COMP-ANL\18-56F-MG

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



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FL #27101



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(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: 3/8" = 1"

dr. by: TARIQ

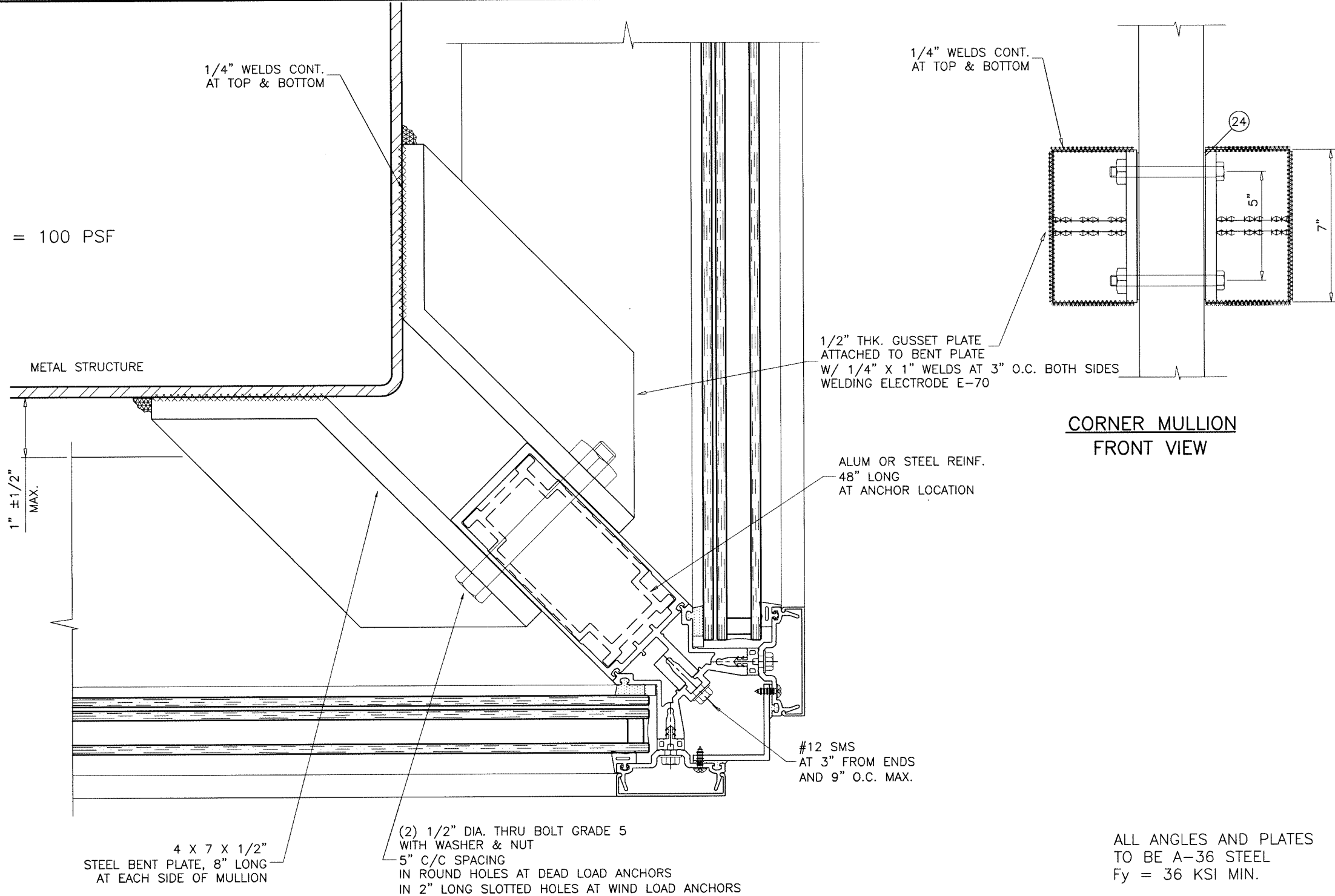
chk. by:

drawing no.

18-56F

sheet 24 of 30

MAX. DESIGN LOAD = 100 PSF



CORNER MULLION ANCHORS
DETAIL '8' (ALT.)

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

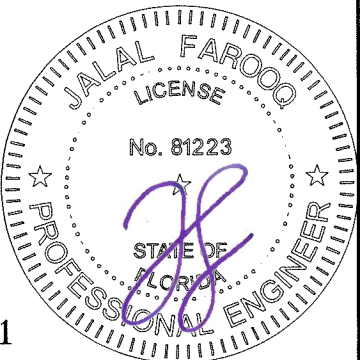
WIND LOAD ANCHOR

WIND + DEAD LOAD ANCHOR

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

Sealed: 10/2/2023

FL #27101



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revisions:	
no	date by description

date: 05-08-18

scale: 3/8" = 1"

dr. by: TARIQ

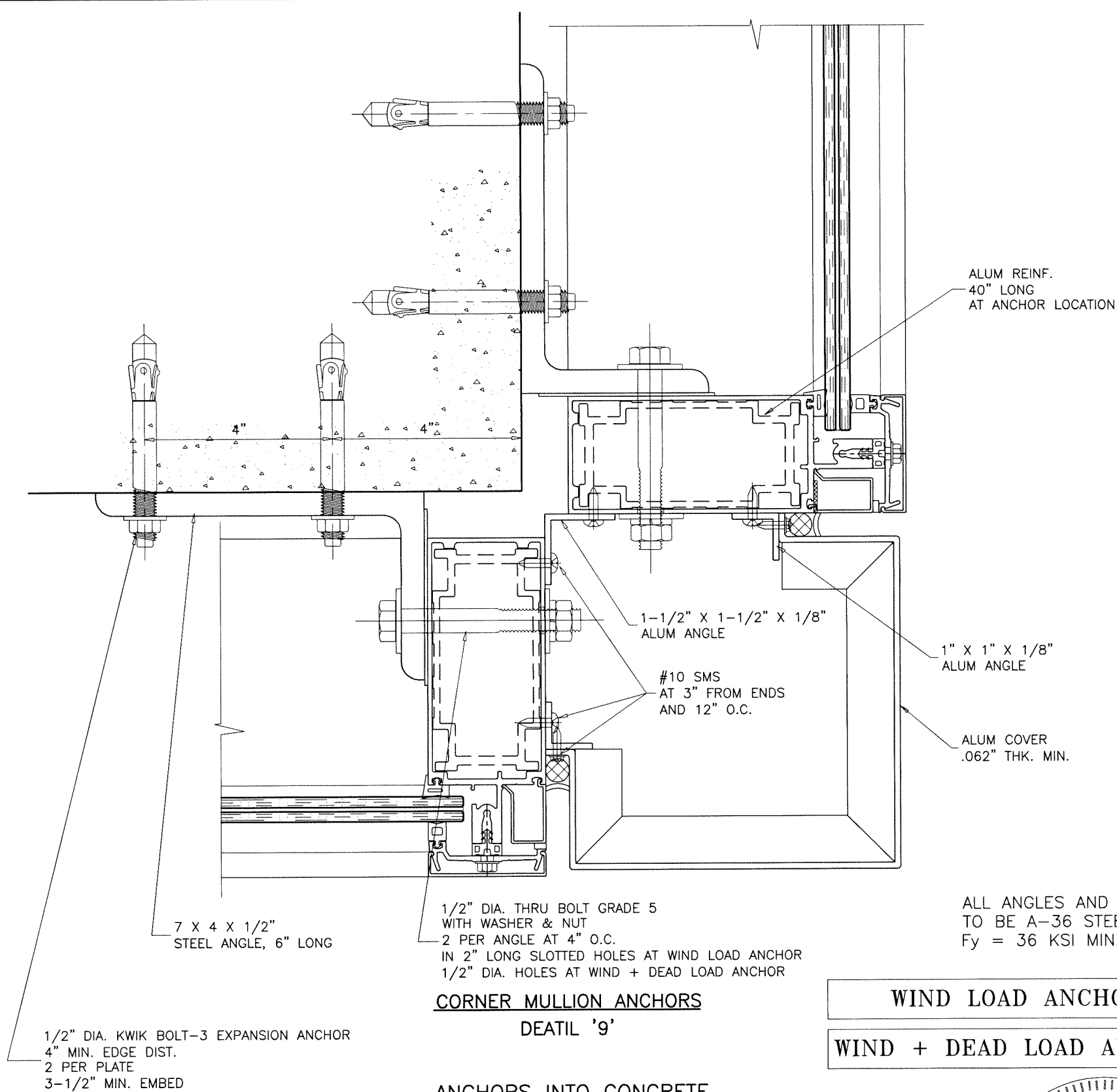
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drawing no.

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.

Sealed: 10/2/2023

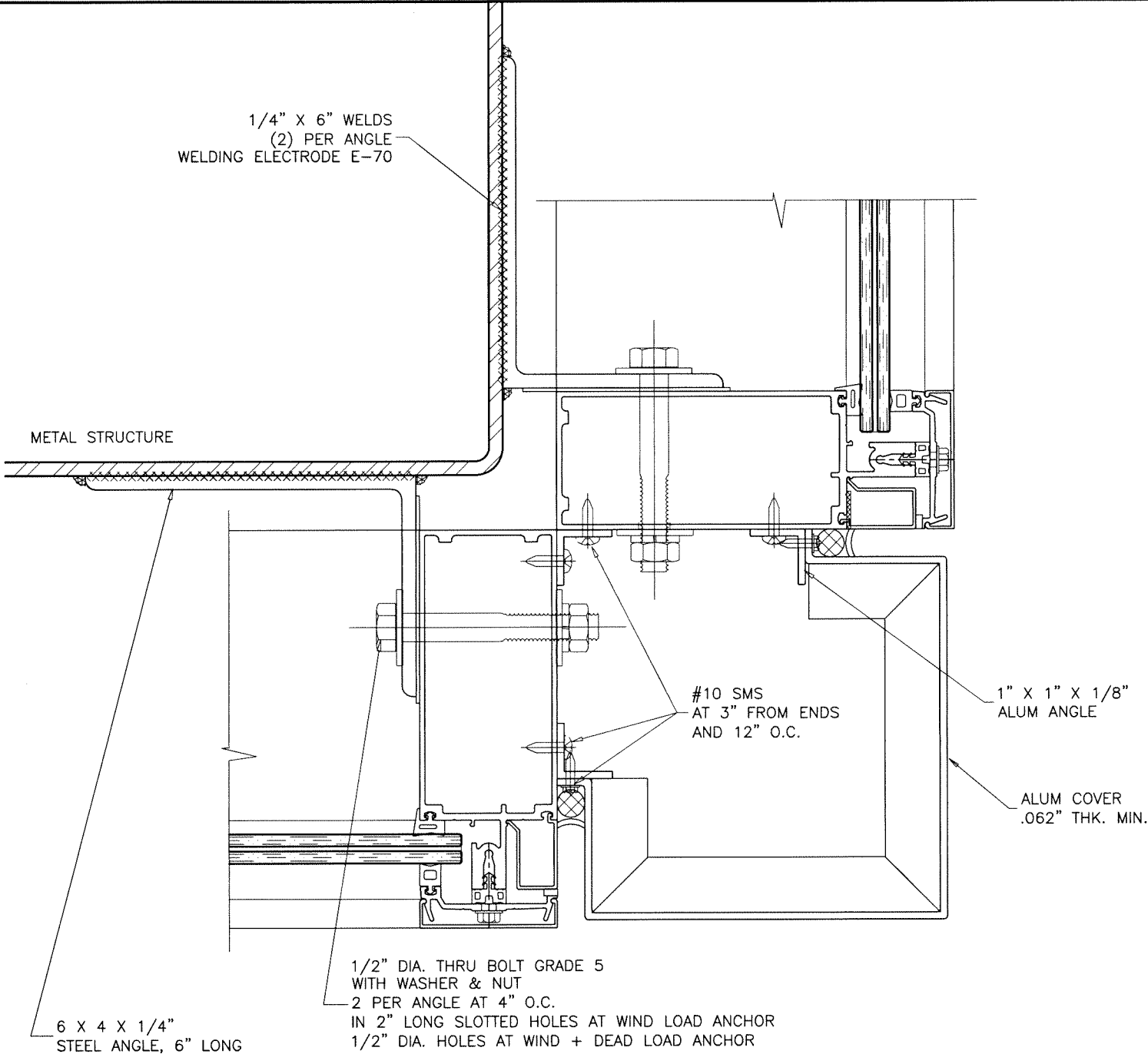


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(C.A.N. 3538)
COMP-ANL\18-56F-MG

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revisions:
no date by description
1 05-08-18 3/8" = 1"
dr. by: TARIQ
chk. by:
drawing no.
18-56F
sheet 26 of 30

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

Sealed: 10/2/2023

FL #27101



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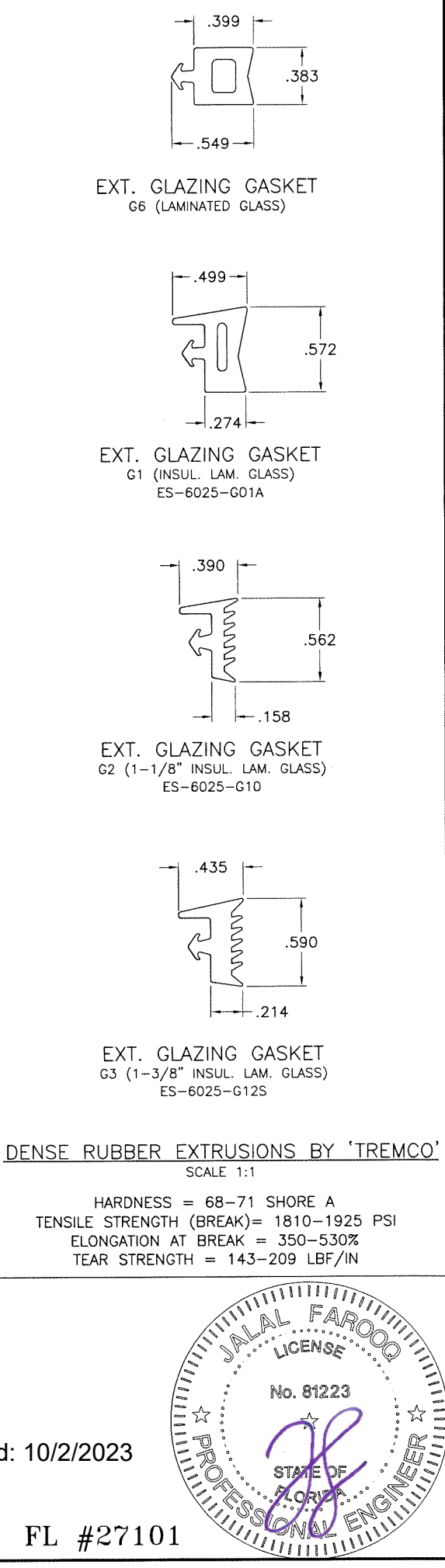
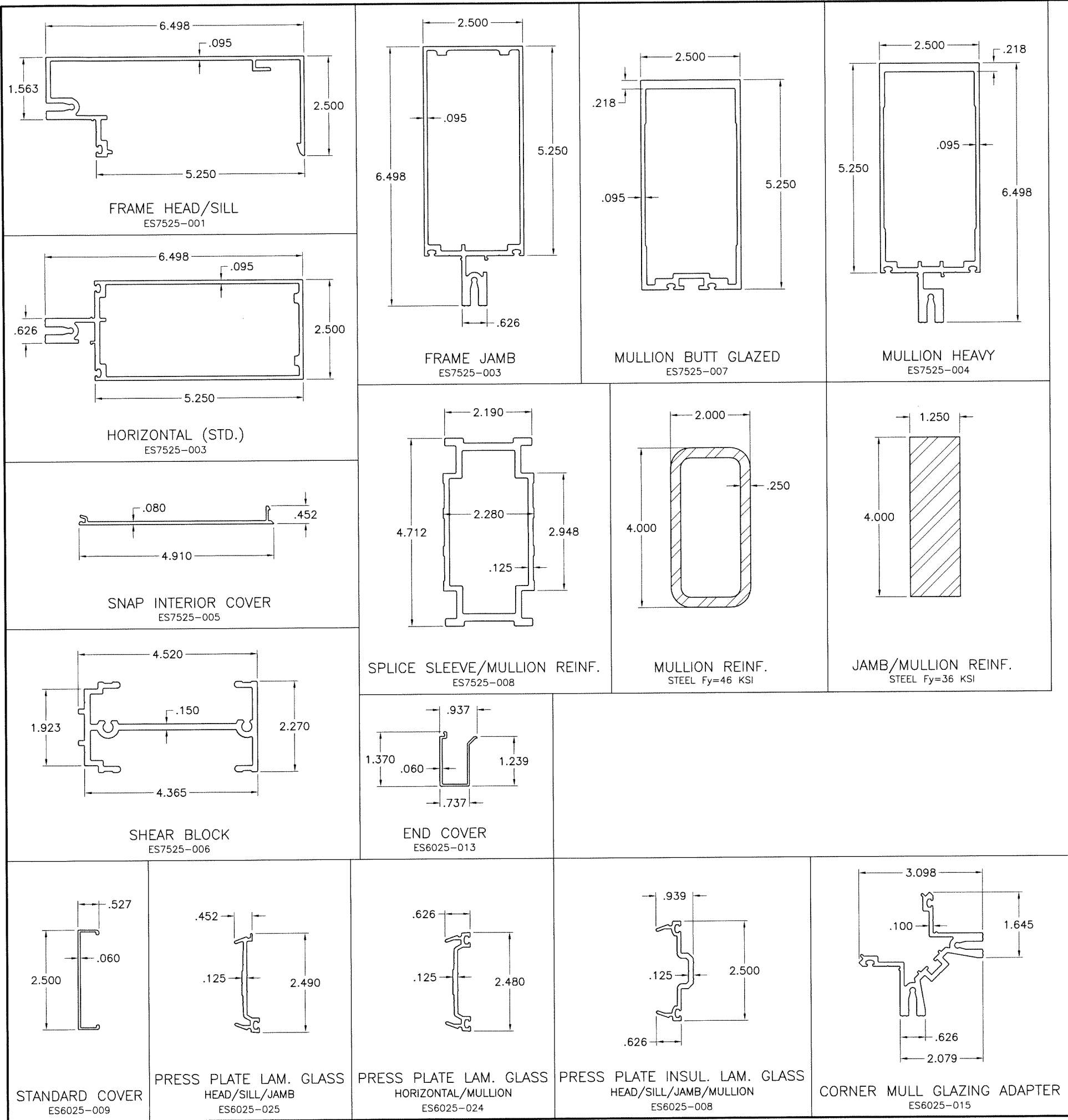
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chk. by:

drawing no.
18-56F
sheet 27 of 30



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COMP-ANL\18-56F-MG

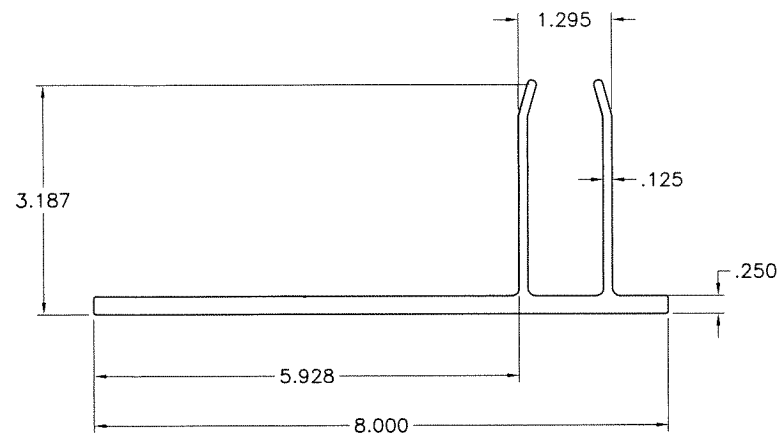
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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Tel. (305) 764-3963 Fax. (305) 470-8285

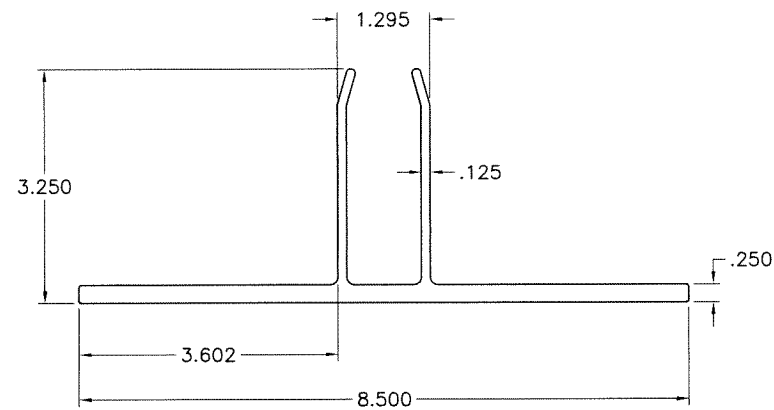
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no	by description

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chk. by:

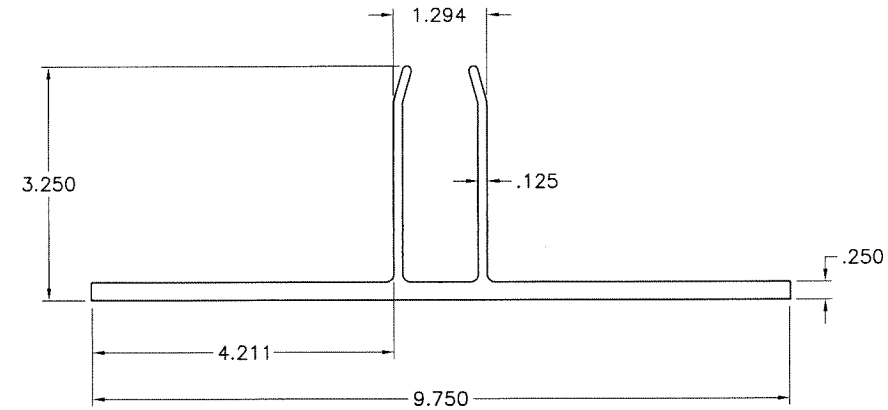
drawing no.
18-56F
sheet 28 of 30



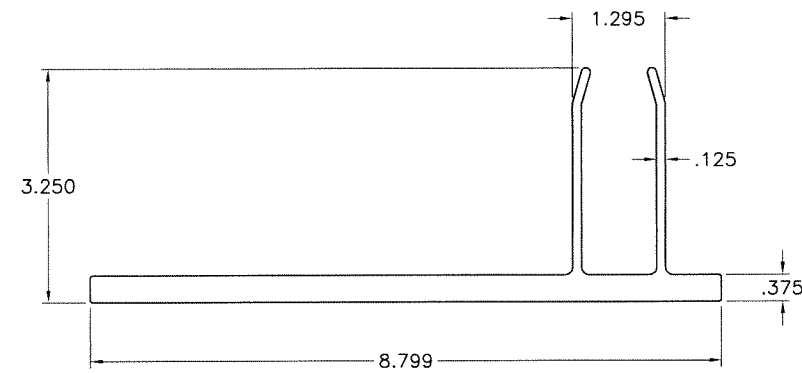
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ES-7525-51



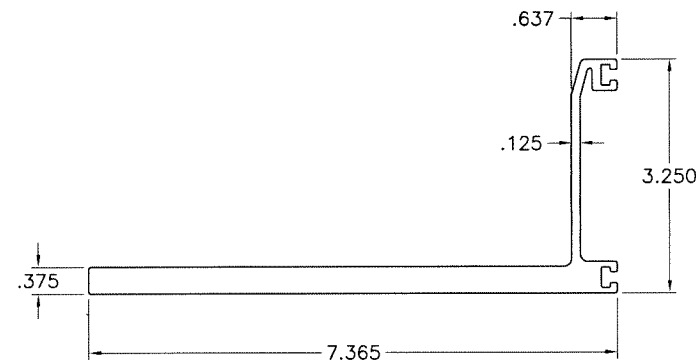
'T' ANCHOR CLIP
ES-7525-50



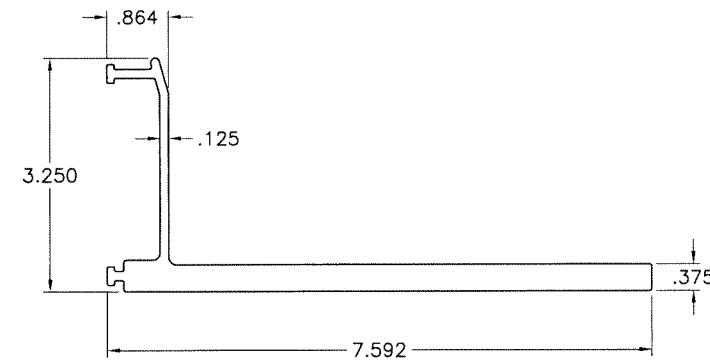
'T' ANCHOR CLIP
ES-7525-052



'F' ANCHOR CLIP
ES-7525-061



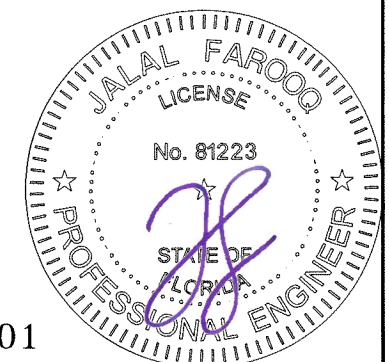
FEMALE MULLION CLIP
ES-7525-059



MALE MULLION CLIP
ES-7525-060

Sealed: 10/2/2023

FL #27101



AL-FAROOQ CORPORATION
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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.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
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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 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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