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Product Approval
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OFFICE OF THE SECRETARY

FL #	FL27101-R1												
Application Type	Revision												
Code Version	2020												
Application Status	Approved												
Comments													
Archived	<input type="checkbox"/>												
Product Manufacturer	Mr-Glass Doors & Windows Manufacturing, LLC												
Address/Phone/Email	8051 NW 79th Place Medley, FL 33166 (305) 470-8284 ulises@mrglasswindows.com												
Authorized Signature	Ulises Senaris ulises@mrglasswindows.com												
Technical Representative	Augusto Arias												
Address/Phone/Email	8120 NW 84th St Medley, FL 33166 (305) 470-8284 aarias@mrglasswindows.com												
Quality Assurance Representative													
Address/Phone/Email													
Category	Panel Walls												
Subcategory	Curtain Walls												
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received												
Florida Engineer or Architect Name who developed the Evaluation Report	Jalal Farooq												
Florida License	PE-81223												
Quality Assurance Entity	Keystone Certifications, Inc.												
Quality Assurance Contract Expiration Date	08/27/2025												
Validated By	JAVAD AHMAD PE, INC. <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received												
Certificate of Independence	FL27101_R1_COI_SS - Certificate of Independence.pdf												
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>AAMA 501</td> <td>2015</td> </tr> <tr> <td>ANSI Z97.1</td> <td>2014</td> </tr> <tr> <td>TAS 201</td> <td>1994</td> </tr> <tr> <td>TAS 202</td> <td>1994</td> </tr> <tr> <td>TAS 203</td> <td>1994</td> </tr> </tbody> </table>	Standard	Year	AAMA 501	2015	ANSI Z97.1	2014	TAS 201	1994	TAS 202	1994	TAS 203	1994
Standard	Year												
AAMA 501	2015												
ANSI Z97.1	2014												
TAS 201	1994												
TAS 202	1994												
TAS 203	1994												

Equivalence of Product Standards Certified By
Florida Licensed Professional Engineer or Architect
[FL27101_R1_Equiv_SS - Equiv Ltr template AAMA 501-15 ANSI 97.1.pdf](#)

Sections from the Code

Product Approval Method	Method 1 Option D
Date Submitted	01/26/2021
Date Validated	01/26/2021
Date Pending FBC Approval	02/25/2021
Date Approved	04/13/2021

Summary of Products

FL #	Model, Number or Name	Description
27101.1	Series MG7000 Aluminum Curtain Wall System	Large missile impact resistant aluminum curtain wall system.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +130/-130 Other: See drawing 18-56F for span vs load combinations and installation details.		Installation Instructions FL27101_R1_II_SS - MG-7000 WW (LMI) DWG 18-56F (2020).pdf Verified By: Jalal Farooq PE #81223 Created by Independent Third Party: Yes Evaluation Reports FL27101_R1_AE_SS - MG7000 CW (LMI) -PAE 2020 REV.pdf Created by Independent Third Party: Yes

[Back](#) [Next](#)

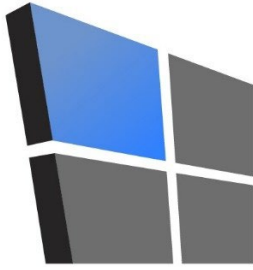
[Contact Us](#) :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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Product Approval Accepts:





AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

August 11, 2020

Product Approval Administrator
Building Codes & Standards Section
Department of Business & Professional Regulations
1940 North Monroe Street, Suite 90
Tallahassee, FL 32399-2100

To whom it may concern,

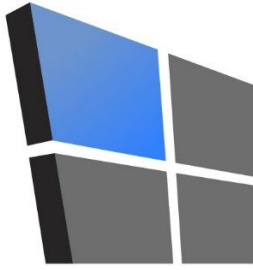
As the design engineer retained to prepare the product approval(s) associated with this letter as shown below on this same web page, I do hereby declare that I do not have and will not have any financial interest in any company manufacturing or distributing the referenced product(s), nor do I have or will have any financial interest with any other entity involved in the approval process of the referenced product(s).

Sincerely,



Sealed 8-11-2020

Jalal Farooq, P.E.
CFO



AL-FAROOQ CORPORATION
CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

August 12, 2020

Product Approval Administrator
Building Codes & Standards Section
Department of Business & Professional Regulations
1940 North Monroe Street, Suite 90
Tallahassee, FL 32399-2100

Ref: Engineer's Statement of Equivalency

To whom it may concern,

As the design engineer retained to prepare the product approval(s) associated with this letter as shown in the summary of products section below, the purpose of this letter is to state that some reference standards have changed. For the scope contained within the subject product approval, the requirements of required items within the new reference standard(s) is still met because:

- AAMA 501-05 is no longer applicable, and instead the reference standard is AAMA 501-15. A comparison of the older standard with the newer standard shows that they are equivalent, as relevant and applicable.
- ANSI Z97.1-09 is no longer applicable, and instead the reference standard is ANSI Z97.1-14. A comparison of the older standard with the newer standard shows that they are equivalent, as relevant and applicable.

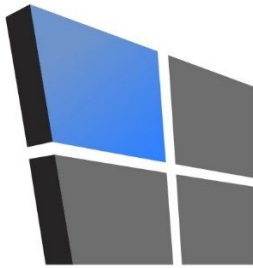
If you have any questions, please feel free to call our office.

Sincerely,



8-28-2020

Jalal Farooq, P.E.
CFO



AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

PRODUCT APPROVAL EVALUATION RULE CHAPTER #61G20-3 • METHOD 1 OPTION D

FL 27101

Date: 01/13/2021

Detailed Product Description:

Manufacturer: MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC.

Manufacturer Address: 8051 N.W. 79th PLACE. MEDLEY, FL 33166

Model Name: SERIES MG7000 ALUMINUM CURTAIN WALL SYSTEM

Maximum Load: +130 PSF, -130 PSF (Large Missile Impact)

Installation Drawings # 18-56F


This product complies with the High Velocity Hurricane Zone (HVHZ) testing requirements.					
For maximum sizes, combination of span vs loads and anchor type refer to installation drawings.					
Comparative analysis used <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Mandatory Tests (Tested in accordance with AAMA 501/101/I.S.2/NAFS/TAS-202)					
TEST	DESCRIPTION	TEST LOCATION	TEST REPORT DATE	TEST REPORT #	Test Sealed by
ASTM E283	Air Infiltration Leakage	Fenestration Testing Laboratory, Inc.	06/05/2012	FTL-6742	Marlin D. Brinson. P.E.
			11/19/2011	FTL-6602	
			08/05/2011	FTL-6193	
			10/28/2015	BT-GMP-15-016	
		05/18/2016	BT-ESW-16-001		
		Blackwater Testing, Inc	06/14/2016	BT-GMP-16-009	Constantin Bortes. P.E.
			01/31/2017	BT-ESW-16-012	
			03/15/2017	BT-ESW-16-012A	
			04/03/2019	BT-GMP-18-002	
		05/29/2020	BT-ESW-20-010	Michael D. Caldwell, PE	
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Fenestration Testing Laboratory, Inc.	06/05/2012	FTL-6742	Marlin D. Brinson. P.E.
			05/11/2012	FTL-6712	
			11/19/2011	FTL-6602	
			08/05/2011	FTL-6193	
		Blackwater Testing, Inc	10/28/2015	BT-GMP-15-016	Yamil Gerardo Kuri. P.E.
			05/18/2016	BT-ESW-16-001	
			06/14/2016	BT-GMP-16-009	Constantin Bortes. P.E.
			01/31/2017	BT-ESW-16-012	
		03/15/2017	BT-ESW-16-012A		
		04/03/2019	BT-GMP-18-002		
05/29/2020	BT-ESW-20-010	Michael D. Caldwell, PE			

ASTM E330 & TAS 202	Uniform Static Air Press.	Fenestration Testing Laboratory, Inc. Blackwater Testing, Inc Blackwater Technical Services	06/05/2012 05/11/2012 11/19/2011 08/05/2011 10/28/2015 05/18/2016 06/14/2016 01/31/2017 03/15/2017 04/03/2019 05/29/2020	FTL-6742 FTL-6712 FTL-6602 FTL-6193 BT-GMP-15-016 BT-ESW-16-001 BT-GMP-16-009 BT-ESW-16-012 BT-ESW-16-012A BT-GMP-18-002 BT-ESW-20-010	Marlin D. Brinson. P.E. Yamil Gerardo Kuri. P.E. Constantin Bortes. P.E. Michael D. Caldwell, PE
ASTM F588	Forced Entry	Blackwater Technical Services	05/29/2020	BT-ESW-20-010	Michael D. Caldwell, PE

Supplemental Tests (Tested in accordance with TAS-201 and TAS-203)

TEST	DESCRIPTION	TEST LOCATION	TEST REPORT DATE	TEST REPORT #	Test Sealed by
FBC 1626.2 TAS 201 & 203 ASTM E1886 ASTM E1996 ANSI Z97.1	Large Missile Impact & Cyclic Level D Level E	Fenestration Testing Laboratory, Inc. Blackwater Testing, Inc Blackwater Technical Services	06/05/2012 05/11/2012 08/05/2011 10/28/2015 05/18/2016 06/14/2016 01/31/2017 03/15/2017 04/03/2019 05/29/2020	FTL-6742 FTL-6712 FTL-6193 BT-GMP-15-016 BT-ESW-16-001 BT-GMP-16-009 BT-ESW-16-012 BT-ESW-16-012A BT-GMP-18-002 BT-ESW-20-010	Marlin D. Brinson. P.E. Yamil Gerardo Kuri. P.E. Constantin Bortes. P.E. Michael D. Caldwell, PE

Under the limitations of the attached installation drawings, to the best of my knowledge and ability, the above product conforms to the requirements of the 2020 Florida Building Code.

Evaluation Report Engineer:	
Jalal Farooq PE # 81223 Al-Farooq Corporation EB # 3538	Sealed: 1/25/2021

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 2017 (6TH EDITION)/2020 (7TH 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 2017/2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

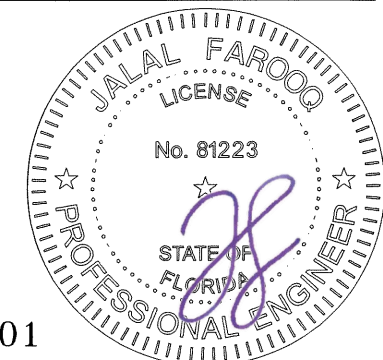
- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 4 THRU 4.4 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON 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.	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: 1/25/2021

FL #27101

afc

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

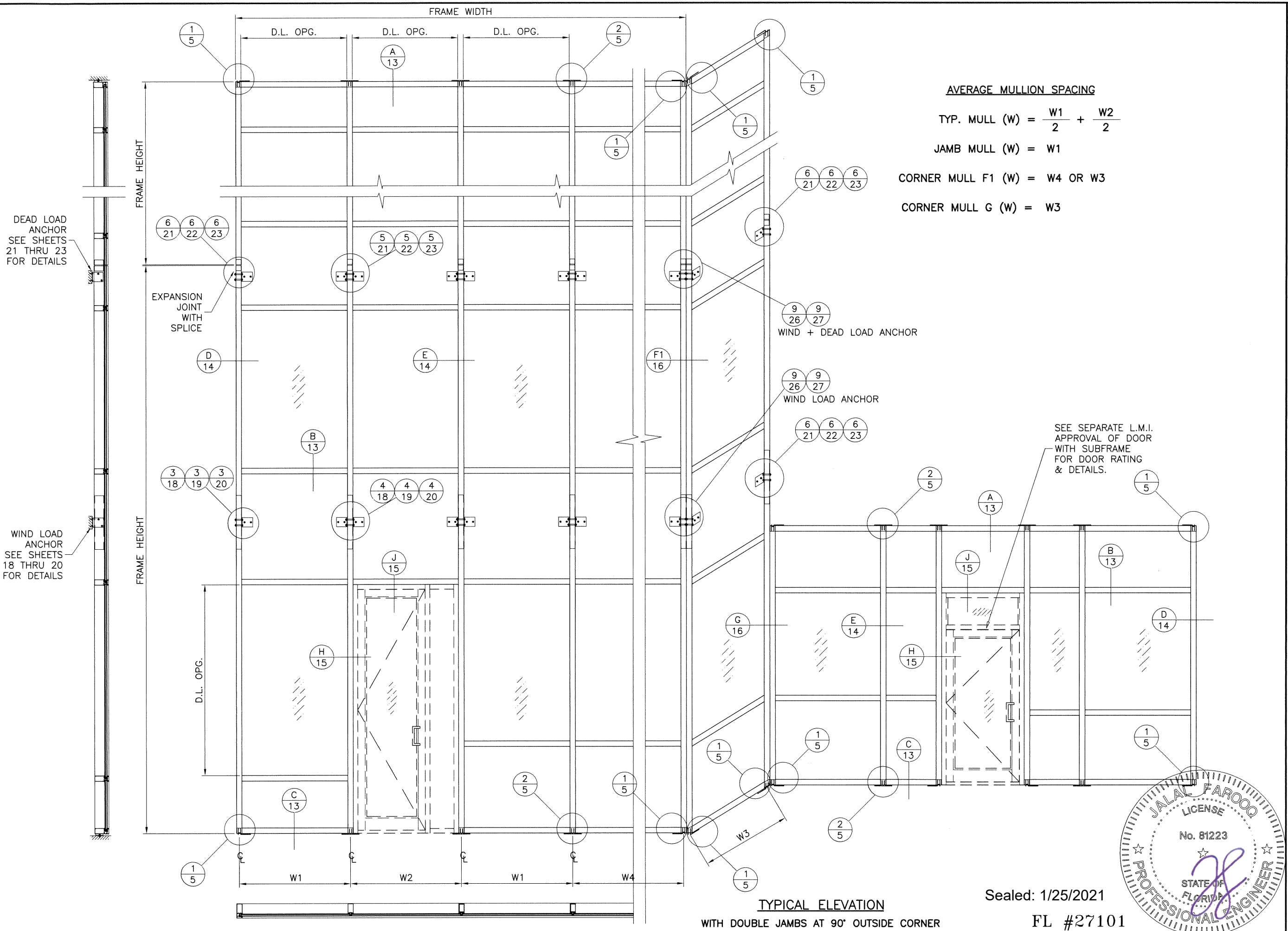
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

no.	date	by	description
A	07.22.20		UPDATED TO 2020 FBC

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

drawing no.
18-56F
sheet 1 of 30

COMP-ANL\18-56F-MG



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

DEAD LOAD ANCHOR
SEE SHEETS
21 THRU 23
FOR DETAILS

WIND LOAD ANCHOR
SEE SHEETS
18 THRU 20
FOR DETAILS

EXPANSION
JOINT
WITH
SPLICE

WIND + DEAD LOAD ANCHOR

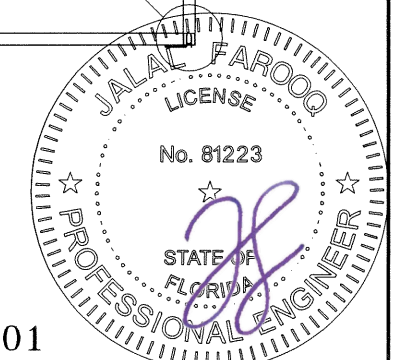
WIND LOAD ANCHOR

SEE SEPARATE L.M.I.
APPROVAL OF DOOR
WITH SUBFRAME
FOR DOOR RATING
& DETAILS.

TYPICAL ELEVATION
WITH DOUBLE JAMBS AT 90° OUTSIDE CORNER

Sealed: 1/25/2021

FL #27101



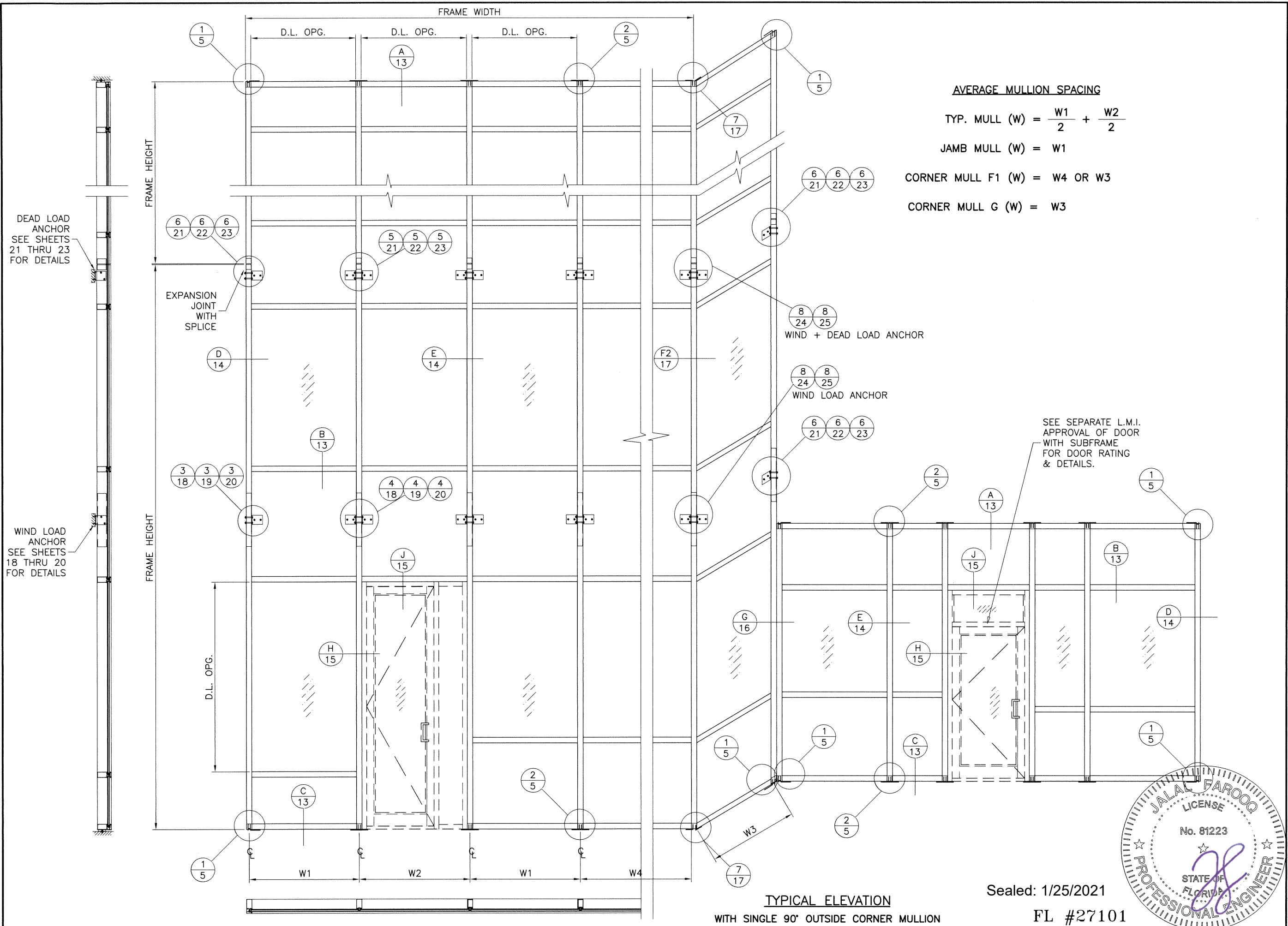
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AL-FAROOQ CORPORATION
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TEL. (305) 262-6978 FAX. (305) 264-8100
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Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

no	date	by	description

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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

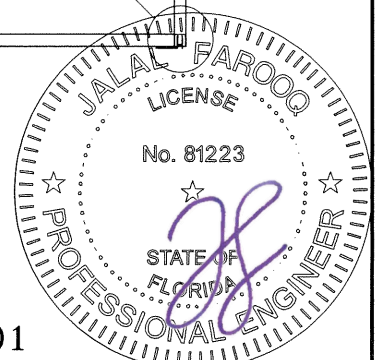
CORNER MULL F1 (W) = W4 OR W3

CORNER MULL G (W) = W3

TYPICAL ELEVATION
WITH SINGLE 90° OUTSIDE CORNER MULLION

Sealed: 1/25/2021

FL #27101



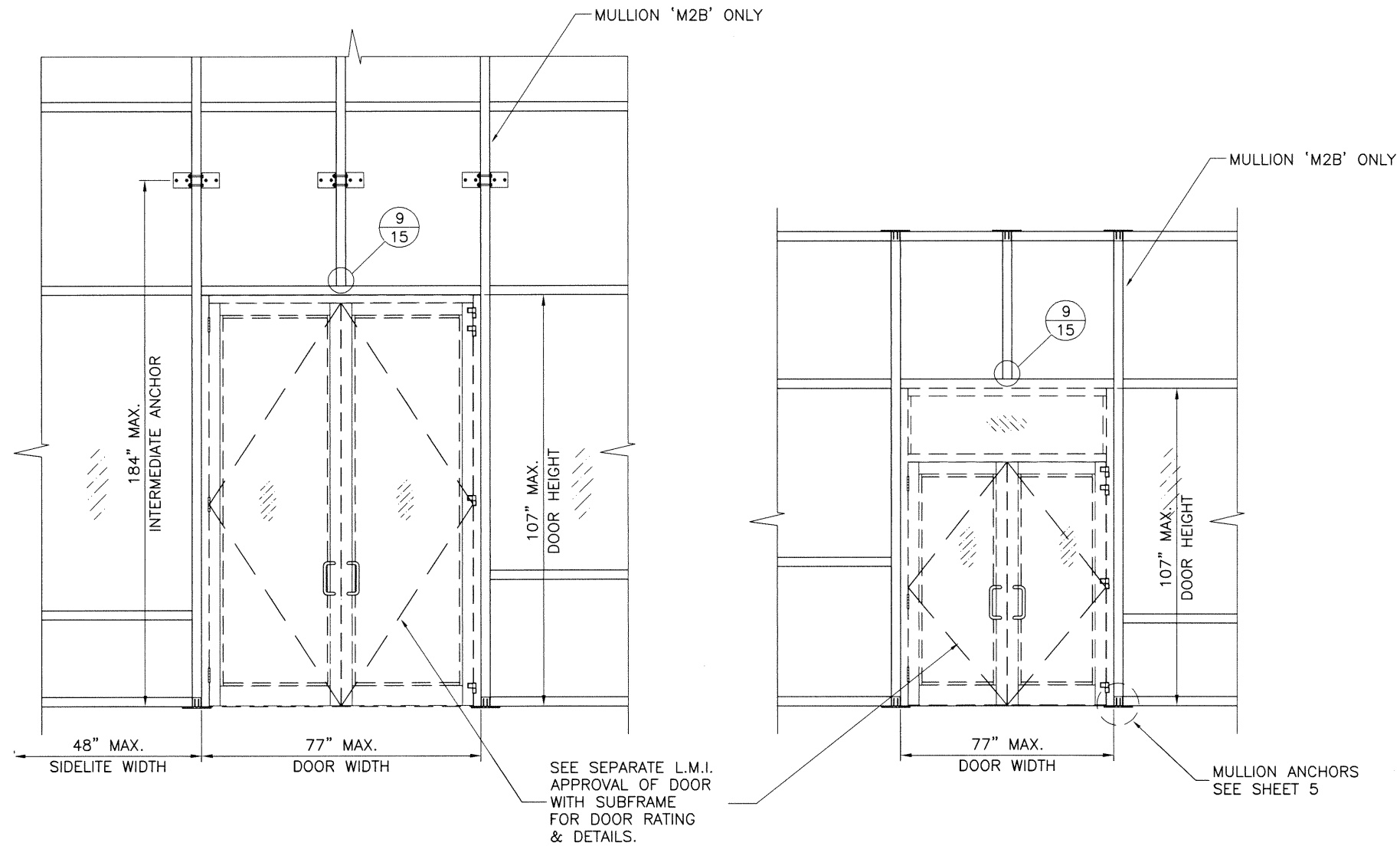
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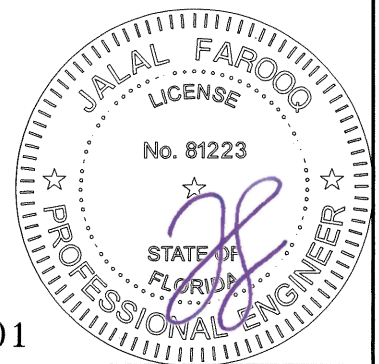
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dr. by: TARIQ	chk. by:

drawing no.
18-56F
sheet 3 of 30



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



Sealed: 1/25/2021

FL #27101

no	date	by	description

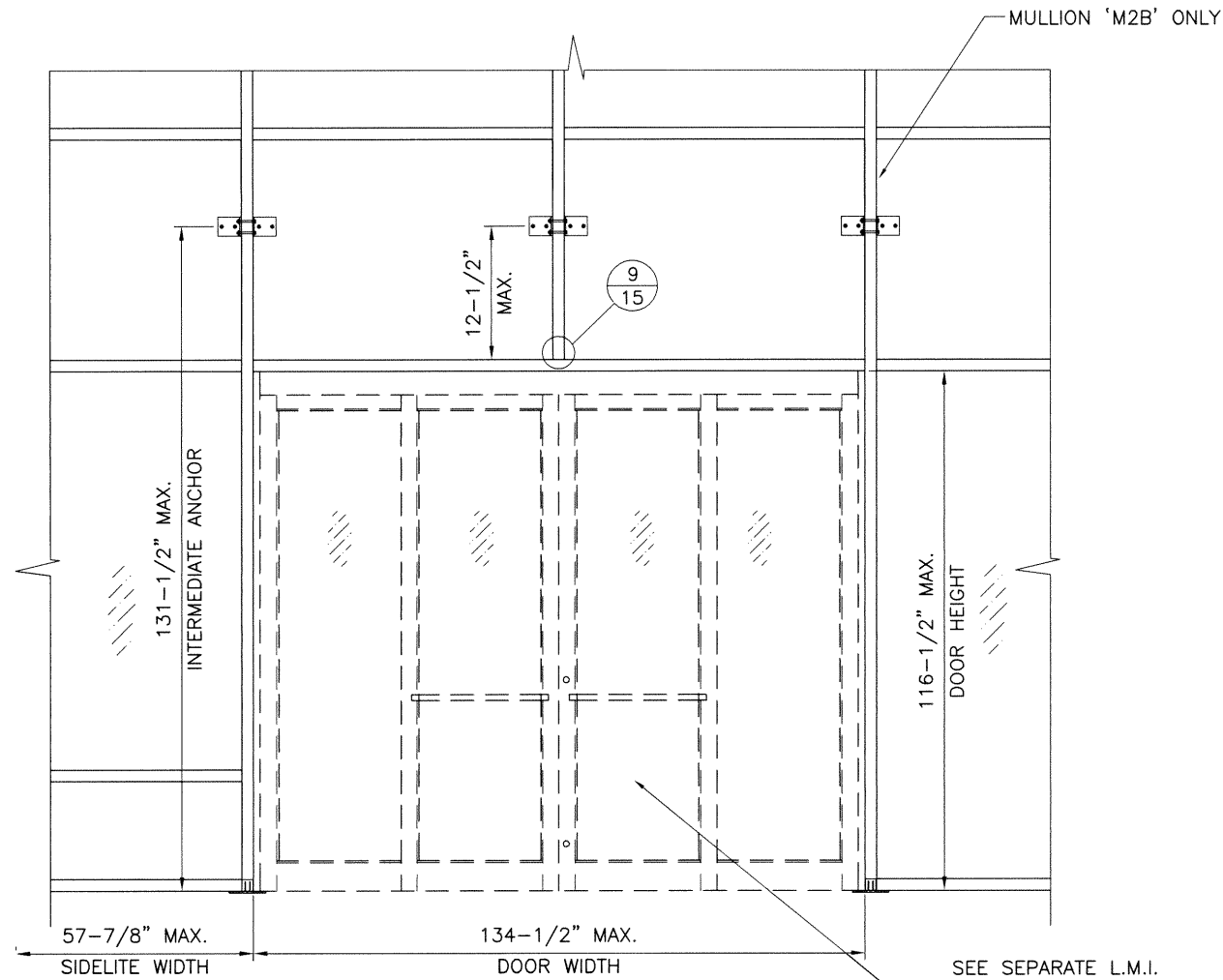
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chk. by:

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18-56F

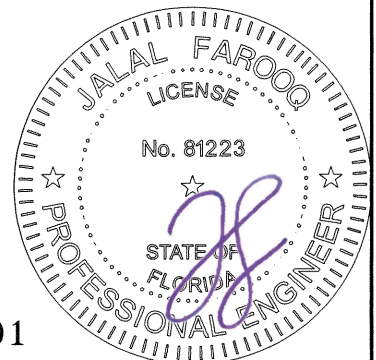
sheet 3.1 of 30

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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\18-56F-MG



SEE SEPARATE L.M.I. APPROVAL OF DOOR WITH SUBFRAME FOR DOOR RATING & DETAILS.



Sealed: 1/25/2021

FL #27101

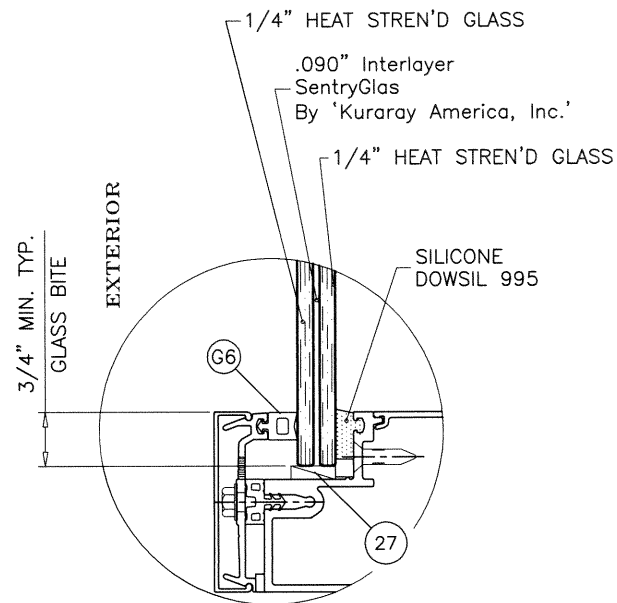
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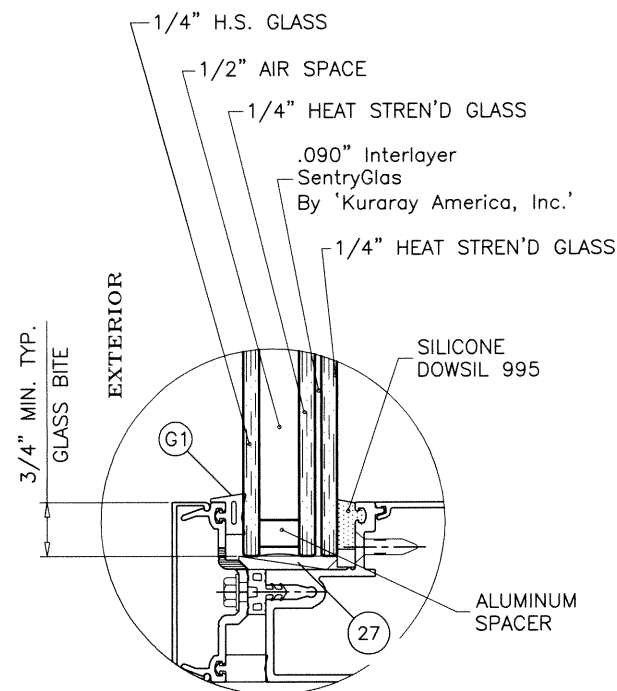
revisions:	
no	date

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 chk. by:

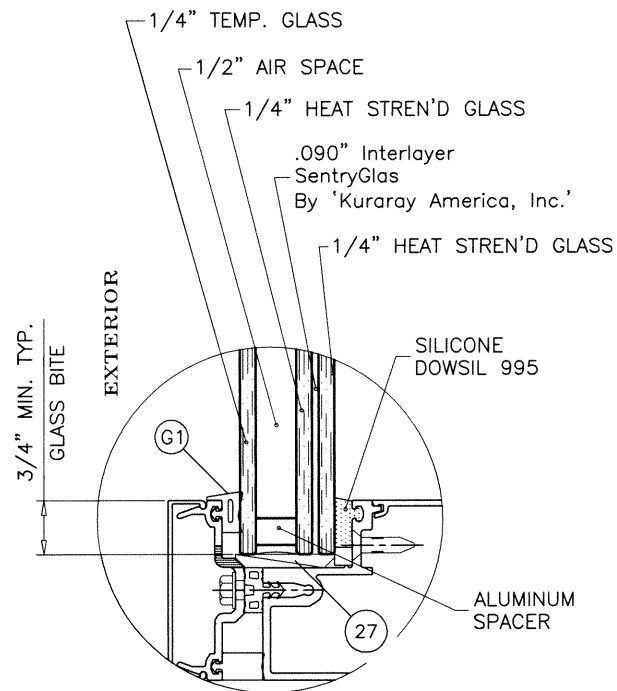
drawing no.
18-56F
 sheet 3.2 of 30



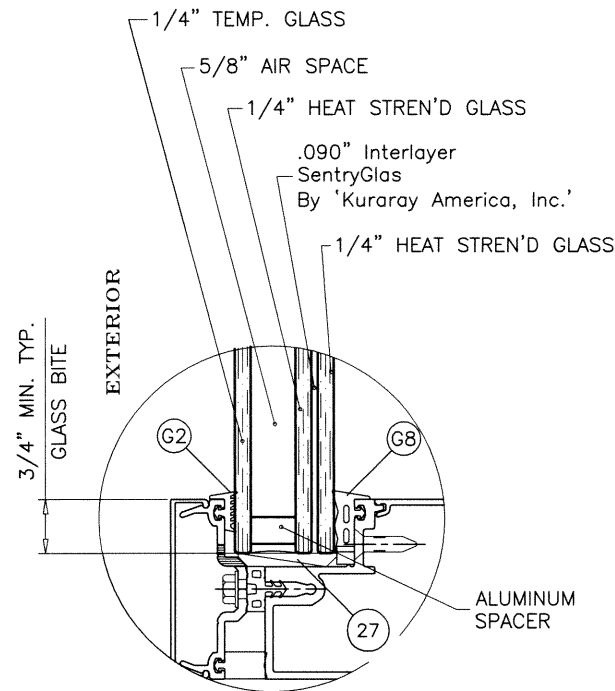
GLASS TYPE 'A'



GLASS TYPE 'A1'



GLASS TYPE 'A2'



GLASS TYPE 'A3'

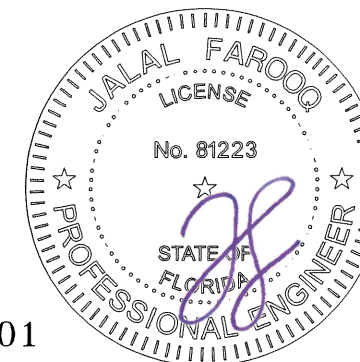
GLAZING OPTIONS

LEVEL 'D' IMPACT

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

Sealed: 1/25/2021

FL #27101



af c
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 ENGINEERS & PRODUCT DEVELOPMENT
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 8051 N.W. 79th Place
 Medley, FL. 33166
 Tel. (305) 764-3963 Fax. (305) 470-8285

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"
39"	119.0	
42"	119.0	
45"	119.0	
48"	119.0	
51"	119.0	
54"	119.0	
57"	119.0	
60"	86.4	
36"	102"	119.0
39"		119.0
42"		119.0
45"		119.0
48"		119.0
51"		119.0
54"	119.0	
57"	86.4	
60"	70.0	
36"	108"	119.0
39"		119.0
42"		119.0
45"		119.0
48"		119.0
51"		119.0
54"	86.4	
57"	70.0	
60"	70.0	
36"	114"	119.0
39"		119.0
42"		119.0
45"		119.0
48"		119.0
51"		86.4
54"	70.0	
57"	70.0	
60"	70.0	
36"	120"	119.0
39"		119.0
42"		119.0
45"		119.0
48"		86.4
51"		70.0
54"		70.0
57"	70.0	

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		GLASS TYPE 'A'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
36"	126"	119.0
39"		119.0
42"		119.0
45"		86.4
48"		70.0
51"		70.0
54"	70.0	
57"	119.0	
60"	119.0	
36"	132"	119.0
39"		86.4
42"		70.0
45"		70.0
36"	138"	119.0
39"		119.0
42"		86.4
45"		70.0
48"	70.0	
51"	70.0	
36"	144"	119.0
39"		119.0
42"		86.4
45"		70.0
36"	150"	119.0
39"		86.4
42"		70.0
45"	70.0	
36"	153-5/8"	119.0
39"		70.0
42"	70.0	
46-3/8"	70.0	

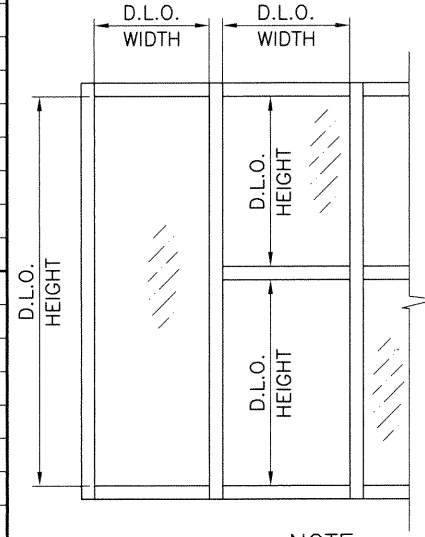
GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		GLASS TYPE 'A1'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
36"	90"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
54"		100.0
57"		100.0
60"		100.0
36"		96"
39"	100.0	
42"	100.0	
45"	100.0	
48"	100.0	
51"	100.0	
54"	100.0	
56"	100.0	
36"	102"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
51"		100.0
53"	100.0	
36"	108"	100.0
39"		100.0
42"		100.0
45"		100.0
48"		100.0
50"		100.0
36"	114"	100.0
39"		100.0
42"		100.0
45"		100.0
47"		100.0
36"	120"	100.0
39"		100.0
42"		100.0
45"		100.0
36"	126"	100.0
39"		100.0
42"		100.0
36"	132"	100.0
39"		100.0
36"	138"	100.0
39"		100.0
36"	144"	100.0
36"		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"
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"		100.0
54"	100.0	
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"		50.0
51"		50.0
54"		50.0
57"	50.0	

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

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

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

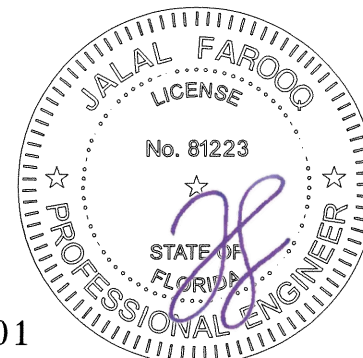


NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
ASTM E1300-09 (3 SEC. GUSTS)

SEE SHEET 4 FOR GLASS TYPES 'A', 'A1', 'A2' & 'A3'

Sealed: 1/25/2021

FL #27101



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

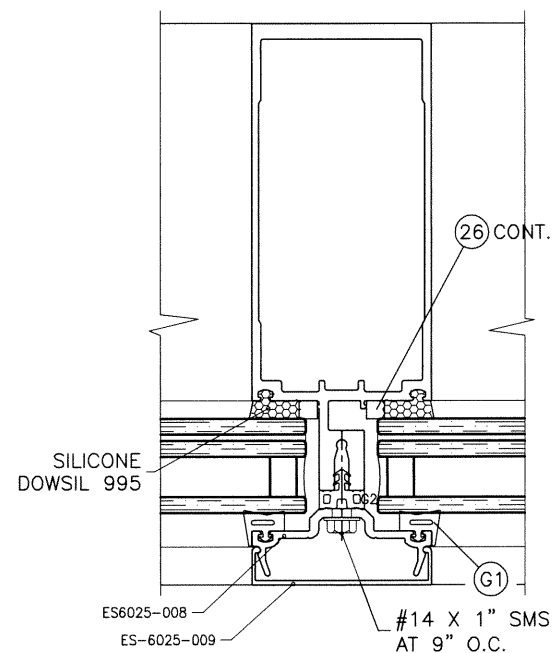
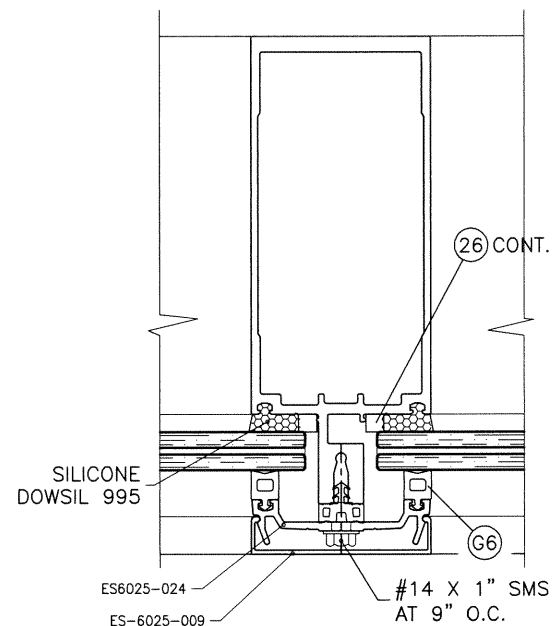
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
 8051 N.W. 79th Place
 Medley, FL. 33166
 Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	no	date	by	description

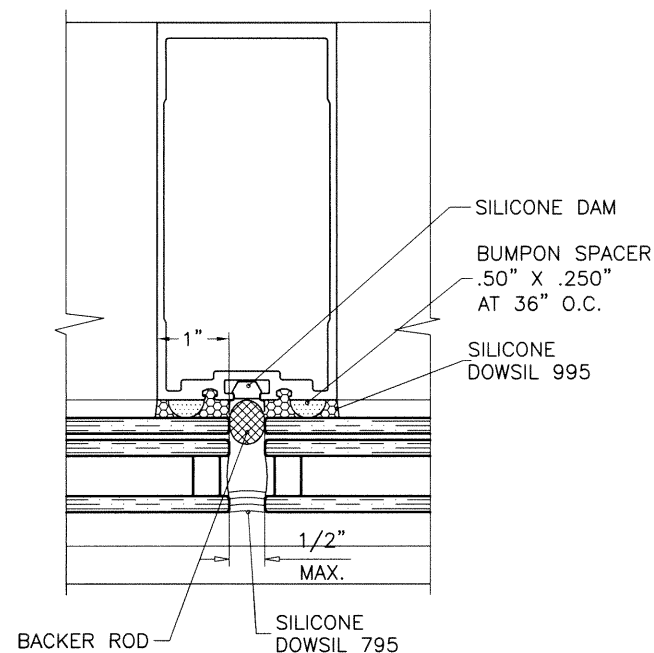
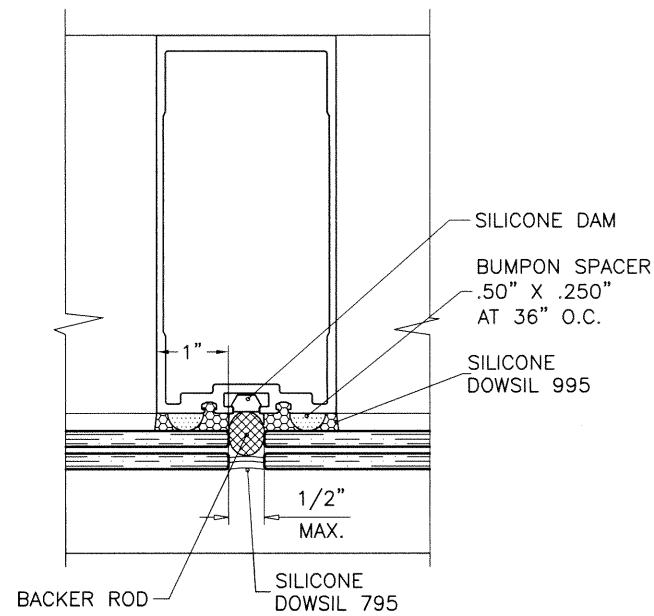
date: 05-08-18	scale:	dr. by: TARIQ	chk. by:
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drawing no.
18-56F
 sheet 4.1 of 30

MULLION WITHOUT PRESSURE PLATE LIMIT MAX. LOADS AS PER CHART					
NOMINAL DIMS.		CORNER MULL 13/16" SILICONE	BUTT GLAZE MULL 1" SILICONE		
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)		
36"	90"	100.0	100.0		
39"		100.0	100.0		
42"		100.0	100.0		
45"		99.6	100.0		
48"		93.6	100.0		
51"		88.3	100.0		
54"		83.6	100.0		
57"	79.3	97.6			
60"	75.5	92.9			
36"	96"	100.0	100.0		
39"		100.0	100.0		
42"		100.0	100.0		
45"		99.6	100.0		
48"		93.6	100.0		
51"		88.3	100.0		
54"		83.6	100.0		
56"	79.3	97.6			
36"	102"	100.0	100.0		
39"		100.0	100.0		
42"		100.0	100.0		
45"		99.6	100.0		
48"		93.6	100.0		
51"		88.3	100.0		
53"		83.6	100.0		
36"	108"	100.0	100.0		
39"		100.0	100.0		
42"		100.0	100.0		
45"		99.6	100.0		
48"		93.6	100.0		
50"		88.3	100.0		
36"		114"	100.0	100.0	
39"	100.0		100.0		
42"	100.0		100.0		
45"	99.6		100.0		
47"	93.6		100.0		
36"	120"		100.0	100.0	
39"			100.0	100.0	
42"		100.0	100.0		
45"		99.6	100.0		
36"		126"	100.0	100.0	
39"			100.0	100.0	
42"			100.0	100.0	
36"	132"		100.0	100.0	
39"			100.0	100.0	
36"			138"	100.0	100.0
39"				100.0	100.0
36"		144"		100.0	100.0

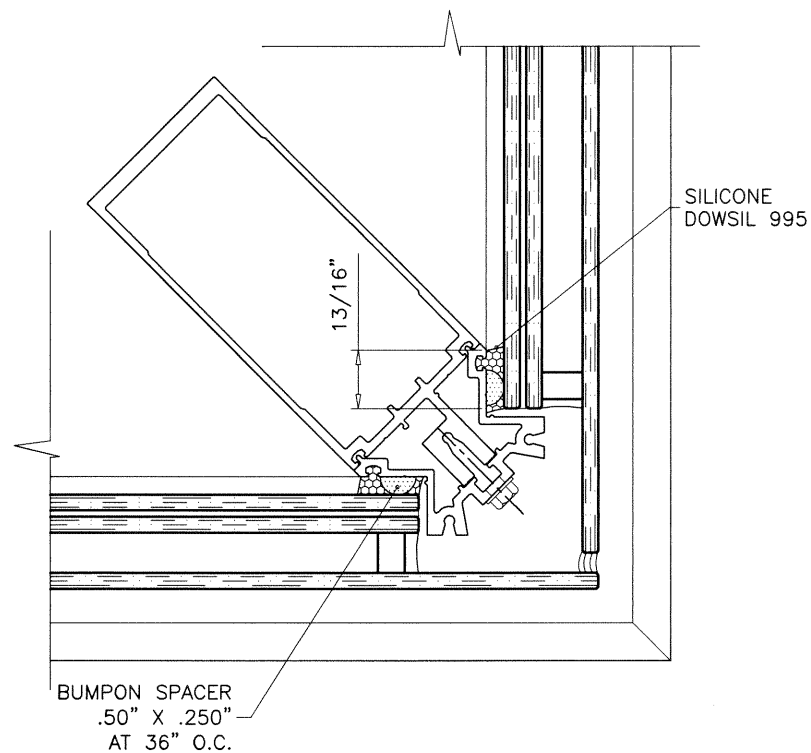


HEAVY MULLION
WITH PRESS PLATE



BUTT GLAZED MULLION
WITHOUT PRESS PLATE
1" SILICONE

SEE SHEET 4.1 FOR DESIGN LOAD CAPACITY OF DESIRED
GLASS TYPE.
SEE SHEET CHART LEFT FOR SILICONE CAPACITY OF BUTT GLAZED
SYSTEM WITHOUT PRESSURE PLATE.

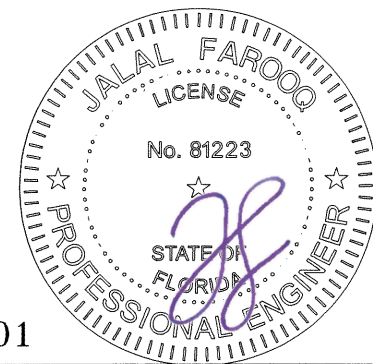


CORNER MULLION
WITHOUT PRESS PLATE
13/16" SILICONE

SEE SHEET 4.1 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: 1/25/2021

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.)

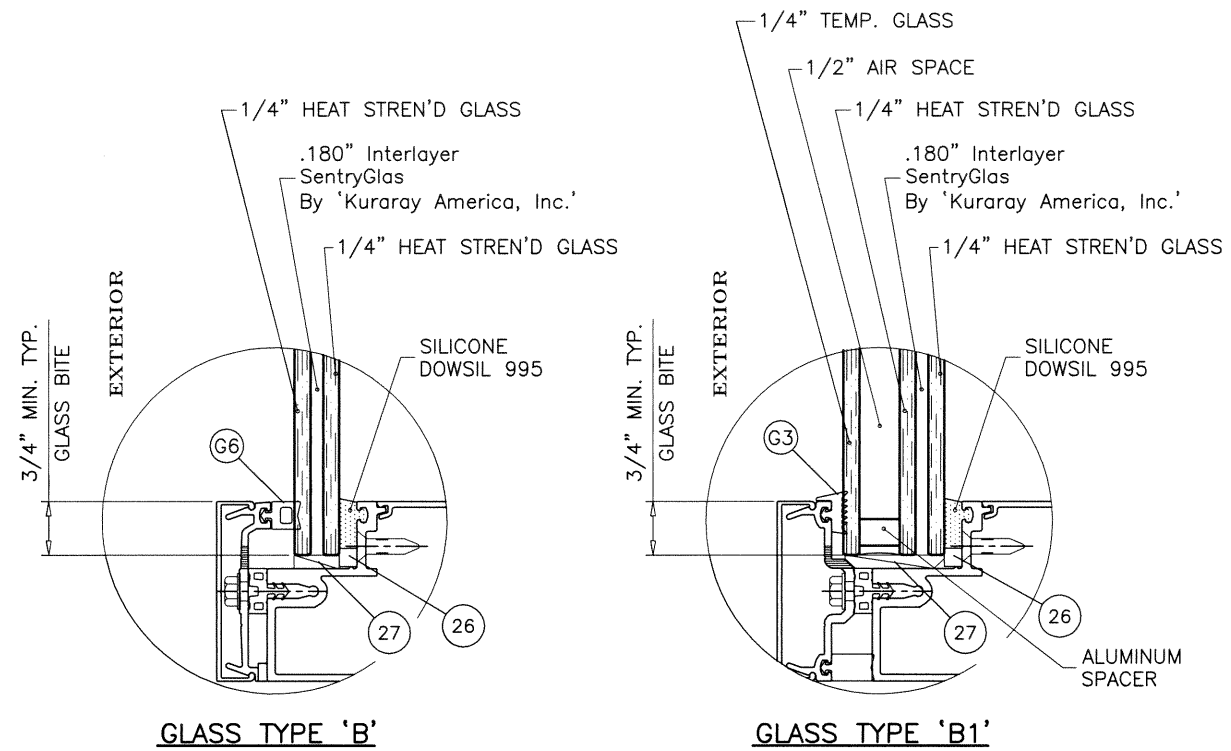
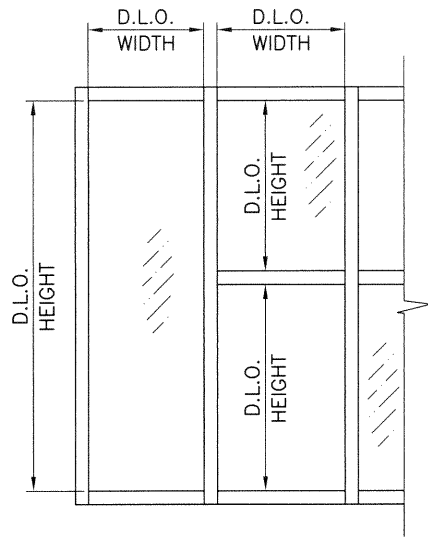
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	no	date	by	description

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

drawing no.
18-56F
sheet 4.2 of 30

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		GLASS TYPES '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
57-1/2"		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
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

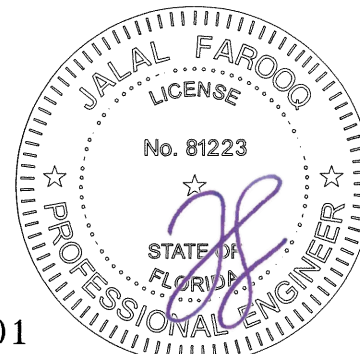
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 18-56F-MG

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
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8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

no	date	description

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

drawing no.
18-56F
sheet 4.3 of 30



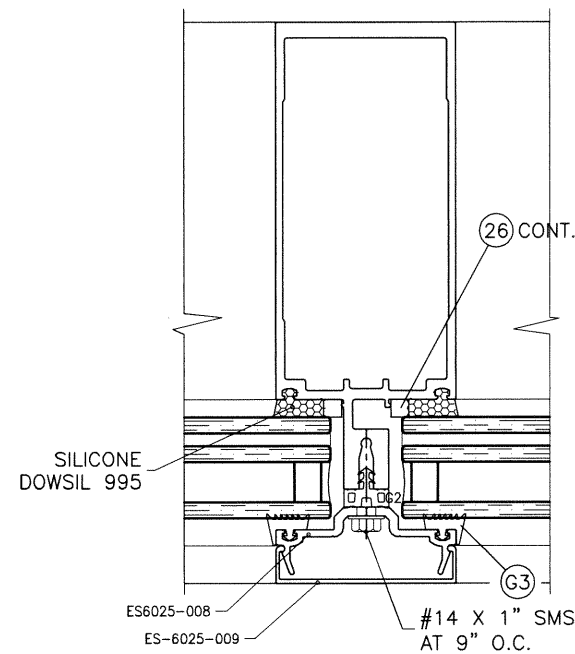
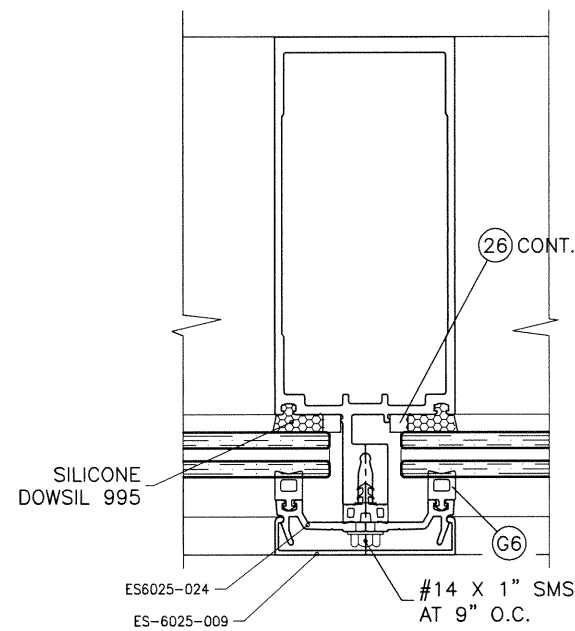
Sealed: 1/25/2021

FL #27101

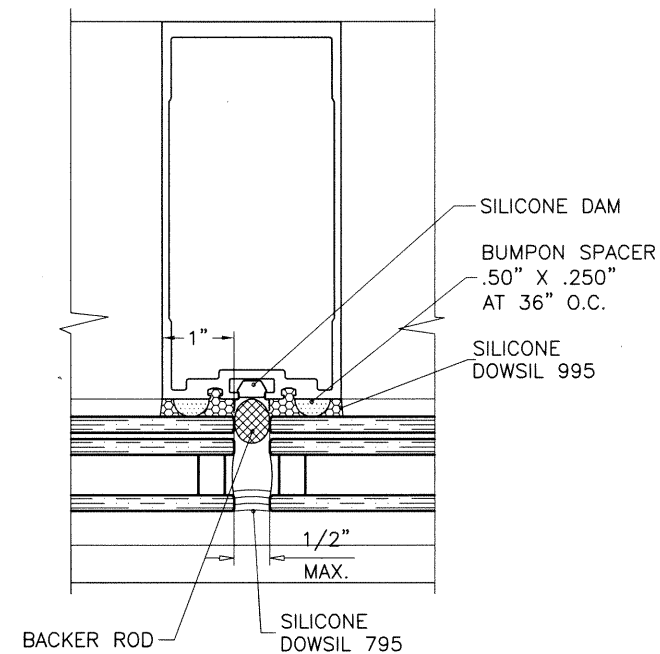
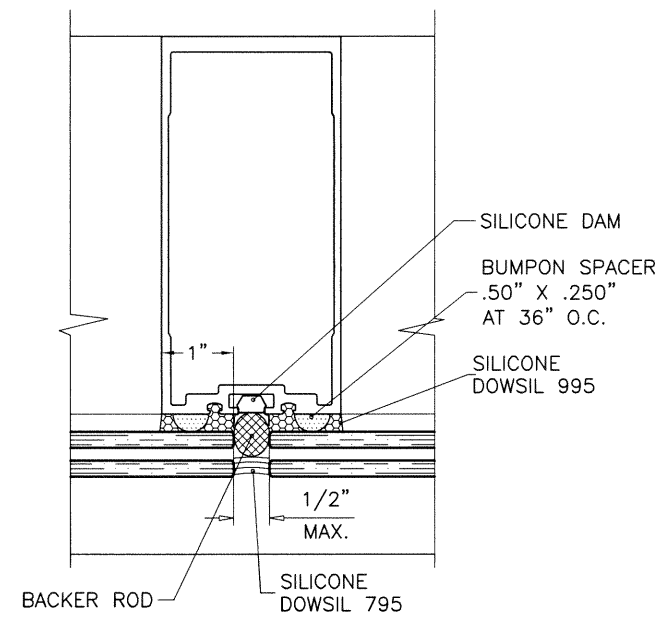
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
ASTM E1300-09 (3 SEC. GUSTS)

MULLION WITHOUT PRESSURE PLATE
LIMIT MAX. LOADS AS PER CHART

NOMINAL DIMS.		BUTT GLAZE MULLION 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	
36"		120"	130.0
39"	130.0		
42"	129.4		
45"	121.3		
48"	114.1		
36"	126"		130.0
39"			130.0
42"		129.4	
45"		121.3	
48"		114.1	
36"		132"	130.0
39"			130.0
42"	129.4		
45"	121.3		
36"	138"		130.0
39"			130.0
42"			129.4
36"		144"	130.0
39"			130.0
39"			130.0



HEAVY MULLION
WITH PRESS PLATE

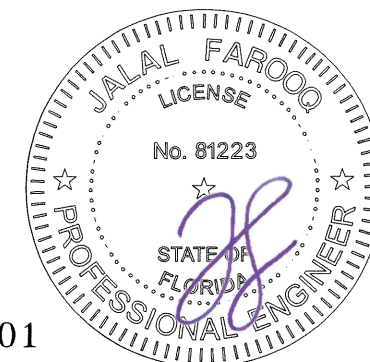


BUTT GLAZED MULLION
WITHOUT PRESS PLATE
1" SILICONE

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.

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FL #27101



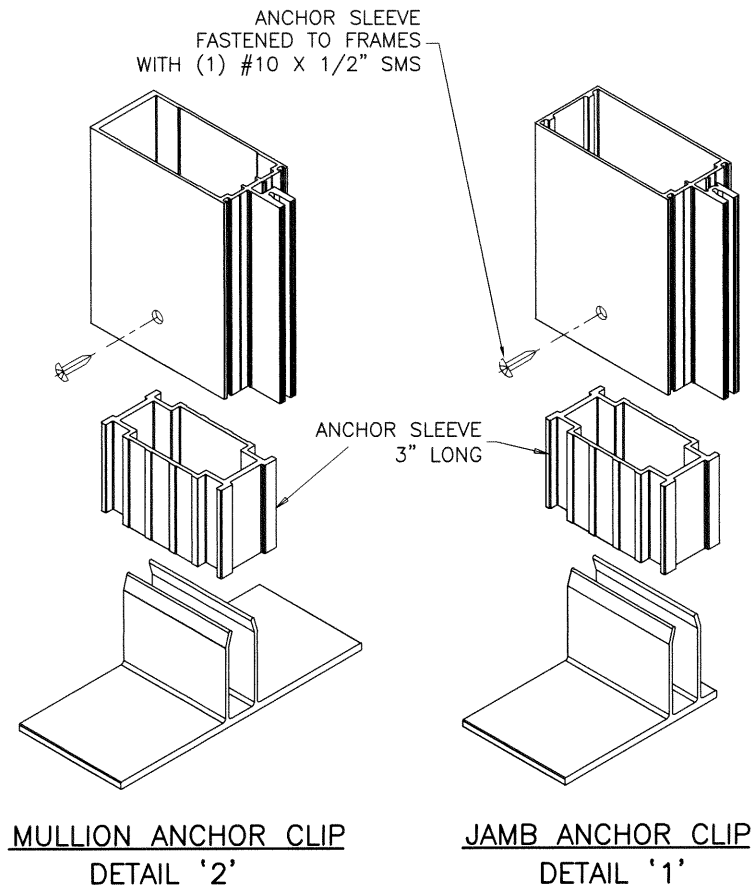
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978
FAX. (305) 264-8100
COMP-ANL 18-56F-MG

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	no	date	by	description

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

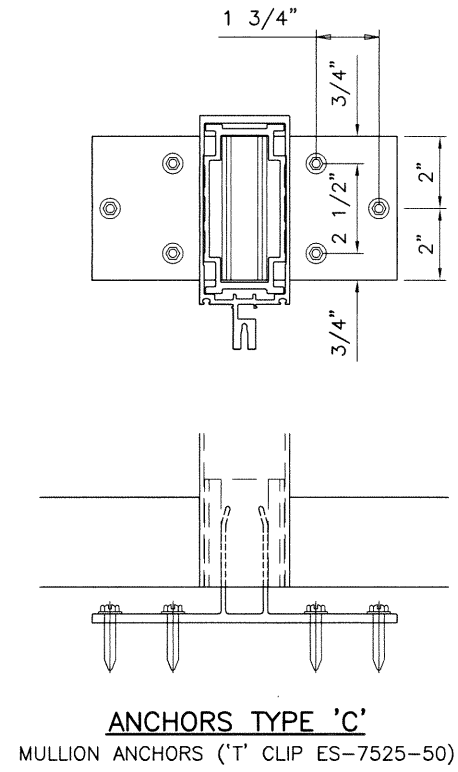
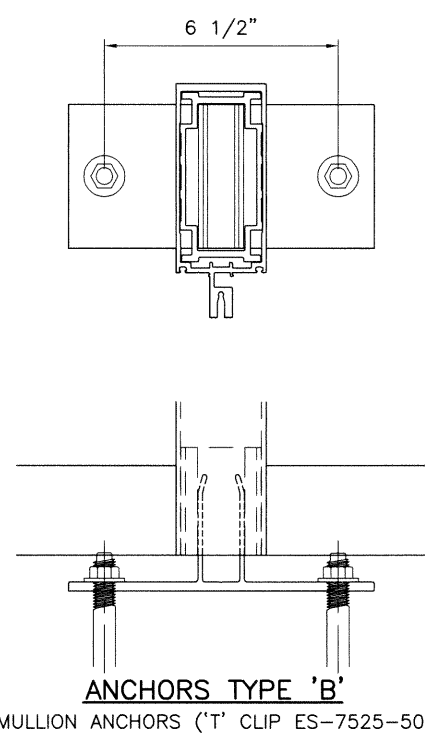
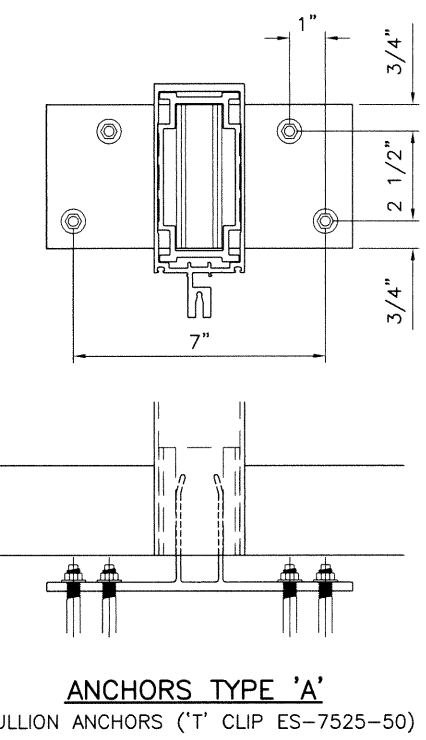
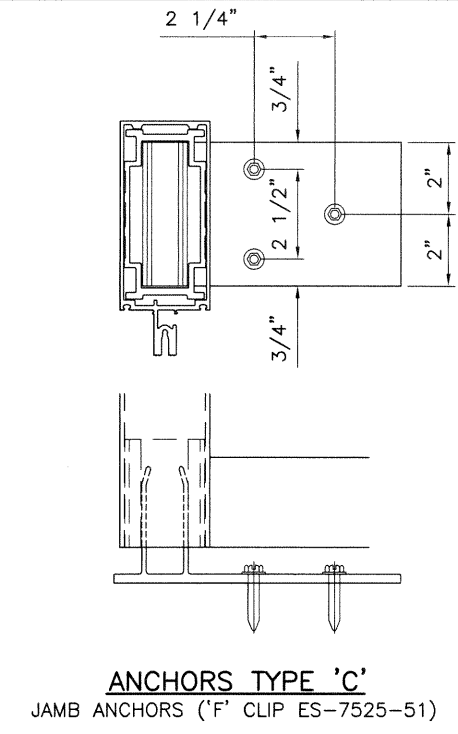
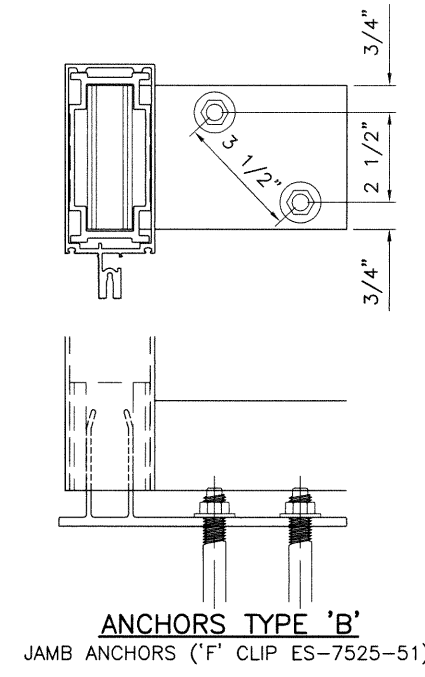
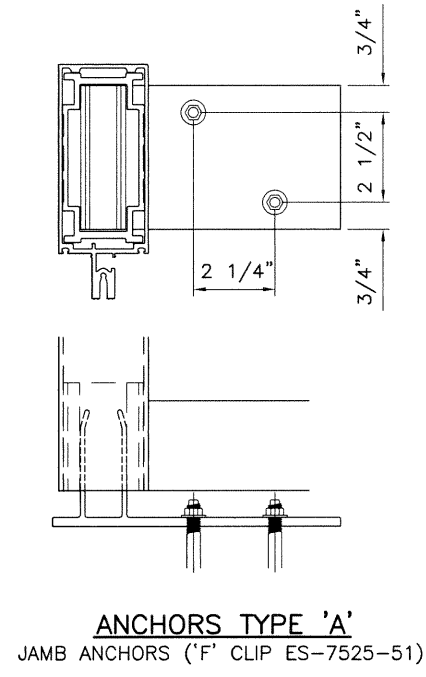
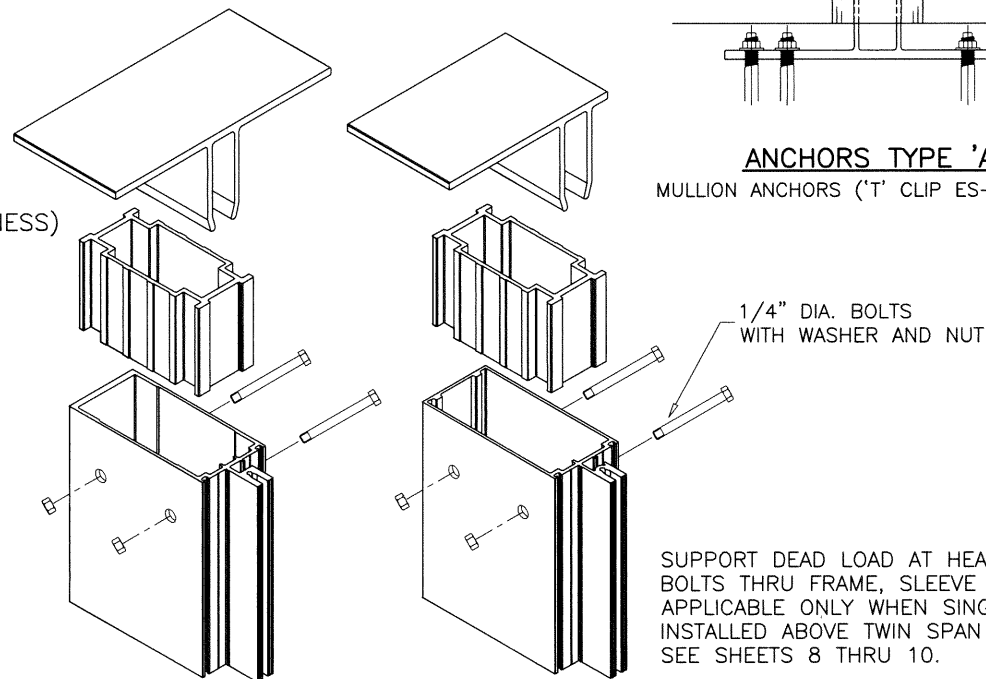
drawing no.
18-56F
sheet 4.4 of 30



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



SEE SHEET 5.1 FOR ANCHOR CAPACITIES

af c

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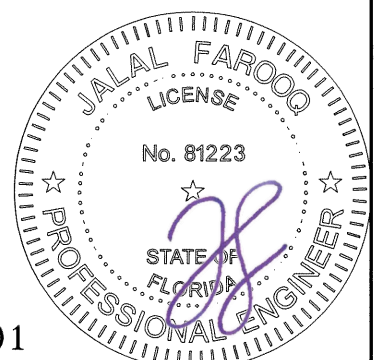
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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

no	date	description

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

drawing no.
18-56F
sheet 5 of 30

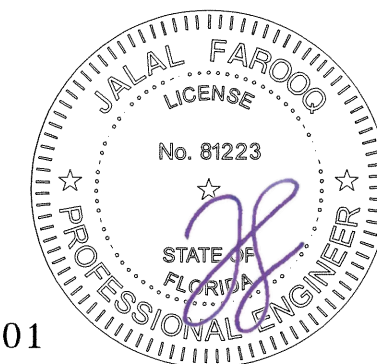


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ANCHORS LOAD CAPACITY - PSF				
NOMINAL DIMS.		ANCHORS TYPE 'A'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	102"	119.0	119.0	119.0
42"		119.0	119.0	119.0
48"		119.0	119.0	119.0
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



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 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
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 COMP-ANL 18-56F-MG

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
 8051 N.W. 79th Place
 Medley, FL 33166
 Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	
no	description

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

drawing no.
18-56F
 sheet 5.1 of 30

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'

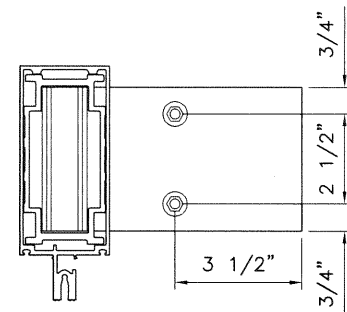
DIRECTLY INTO CONCRETE
 3/8" DIA. KWIK BOLT-3 EXPANSION ANCHOR
 (2) PER SIDE
 WITH 2-1/2" MIN. EMBED INTO CONCRETE.
 3" MIN. EDGE DIST.
 2-1/2" MIN. SPACING

ANCHOR 'BB'

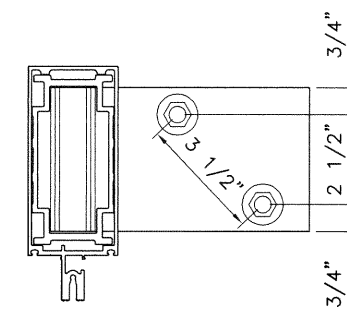
DIRECTLY INTO CONCRETE
 1/2" DIA. KWIK BOLT-3 EXPANSION ANCHOR
 (1) PER SIDE
 WITH 3-1/2" MIN. EMBED INTO CONCRETE.
 3-3/4" MIN. EDGE DIST.
 6-1/2" MIN. SPACING

ANCHOR 'CC'

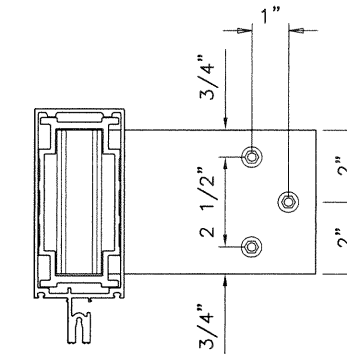
INTO METAL STRUCTURES (STEEL 3/16" MIN. THICKNESS)
 5/16" DRIL-FLEX SELF DRILLING SCREWS
 (3) PER SIDE
 1/2" MIN. EDGE DIST.
 3/4" MIN. SPACING



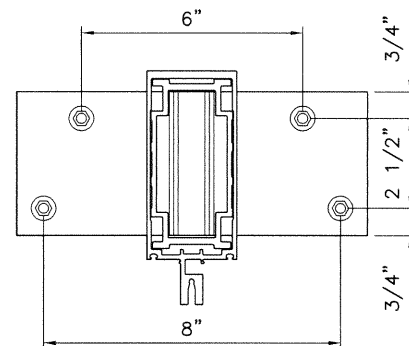
ANCHORS TYPE 'AA'
 JAMB ANCHORS ('F' CLIP ES-7525-51)



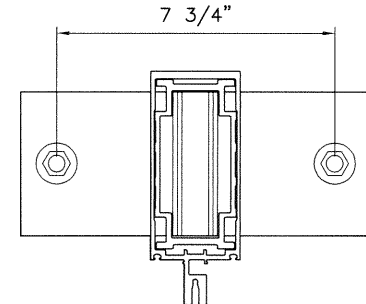
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 JAMB ANCHORS ('F' CLIP ES-7525-51)



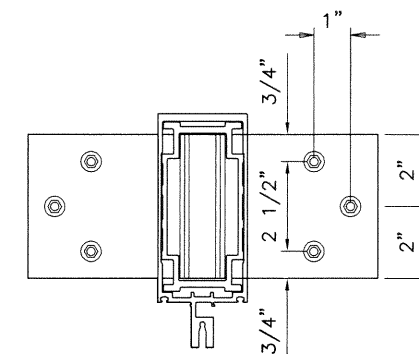
ANCHORS TYPE 'CC'
 JAMB ANCHORS ('F' CLIP ES-7525-51)



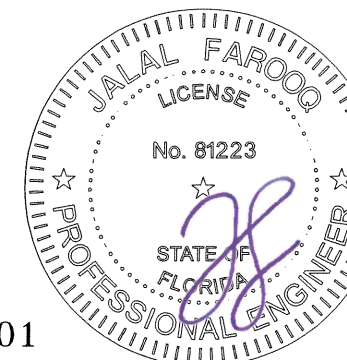
ANCHORS TYPE 'AA'
 MULLION ANCHORS ('T' CLIP ES-7525-052)



ANCHORS TYPE 'BB'
 MULLION ANCHORS ('T' CLIP ES-7525-052)



ANCHORS TYPE 'CC'
 MULLION ANCHORS ('T' CLIP ES-7525-052)



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no	date	description

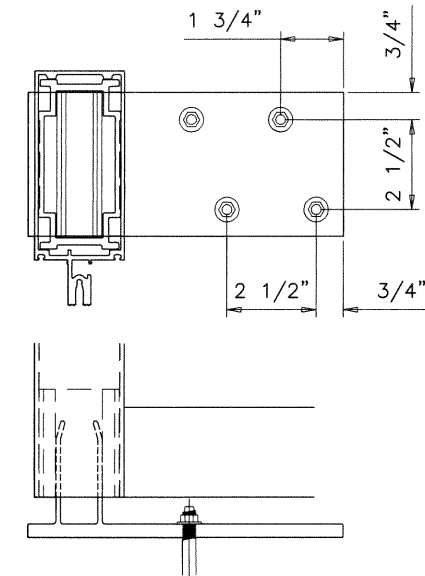
date: 05-08-18	scale:	dr. by: TARIQ	chk. by:
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drawing no.
18-56F
 sheet 5.2 of 30

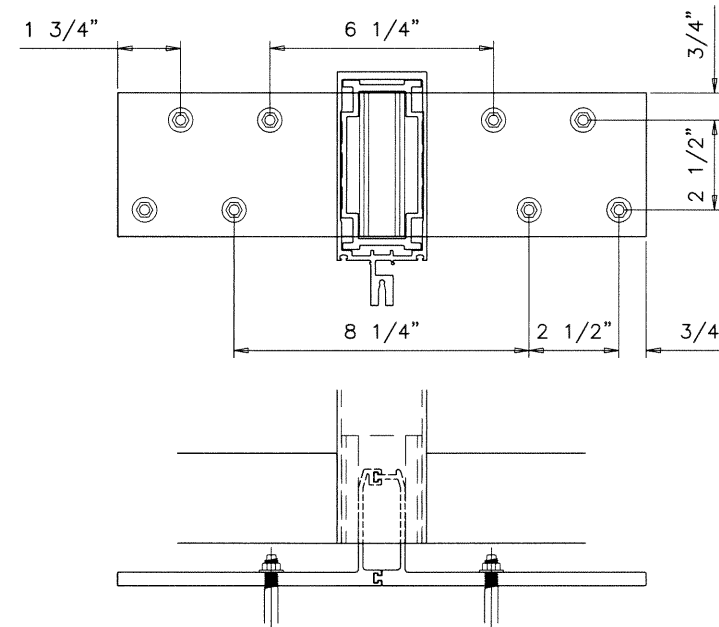
ANCHORS LOAD CAPACITY - PSF		
NOMINAL DIMS.		ANCHORS TYPE 'AAA'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	114"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
36"	120"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
36"	126"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
36"	130"	130.0
42"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

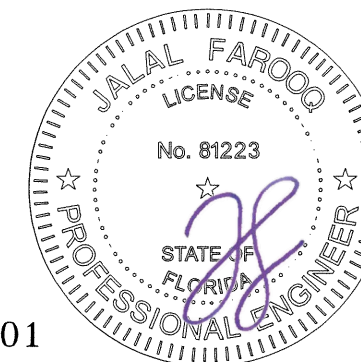
FOR HEAD AND SILL INCLUDING DEAD LOAD ANCHORS AT TOP



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



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



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no	date	by	description

date: 05-08-18	scale:	dr. by: TARIQ	chk. by:
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drawing no.
18-56F
 sheet 5.3 of 30

COMP-ANL 18-56F-MG

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

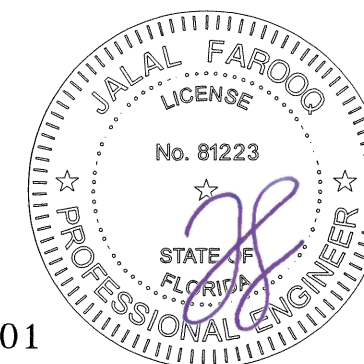
DEAD LOAD ANCHOR CAPACITY - PSF				
NOMINAL DIMS.		ANCHORS TYPE 'A'	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	159"	119.0	111.7	119.0
42"		104.3	92.9	119.0
48"		88.5	78.7	119.0
54"		76.2	67.8	119.0
60"		66.3	59.0	119.0
36"	168"	117.4	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: 1/25/2021

FL #27101





AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173 FAX. (305) 262-6978
 TEL. (305) 264-8100 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 5.4 of 30

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	

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	

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	

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"		117.9
54"		111.4
57"		105.5
60"	100.2	

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2'
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"	124.2	

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
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	

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
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	

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
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	

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
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	

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
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	

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
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	

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
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	

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
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	

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
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"	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	

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
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

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
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	

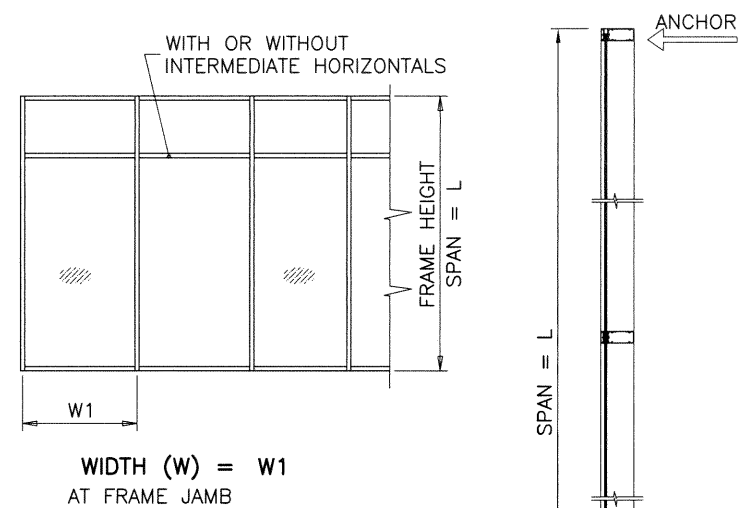
JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	132"	120.0
39"		120.0
42"		120.0
45"		120.0
48"		120.0
51"		120.0
54"		120.0
57"		120.0
60"	120.0	

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	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	

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	180"	96.7
39"		89.2
42"		82.9
45"		77.3
48"		72.5
51"		68.2
54"		64.5

JAMB LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZ.		
NOMINAL DIMS.		JAMB 'J2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
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"	180"	96.7
39"		89.2
42"		82.9
45"		77.3
48"		72.5
51"		68.2
54"		64.5



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

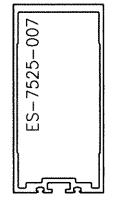
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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

no	date	description

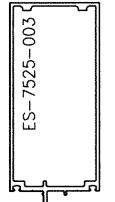
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drawing no.
18-56F
sheet 6 of 30



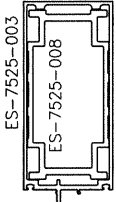
JAMB 'J1'

Ix IN^4	Sx IN^3
8.8201	3.3166



JAMB 'J2' RATED FOR LEVEL 'E' IMPACT

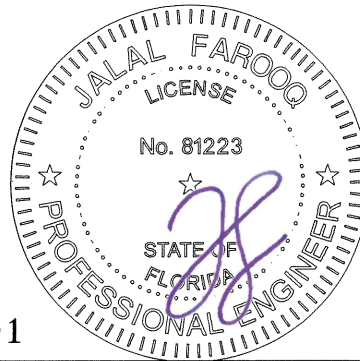
Ix IN^4	Sx IN^3
10.0003	2.9374



JAMB 'J2A' RATED FOR LEVEL 'E' IMPACT

Ix IN^4	Sx IN^3
16.3551	4.8041

FL #27101

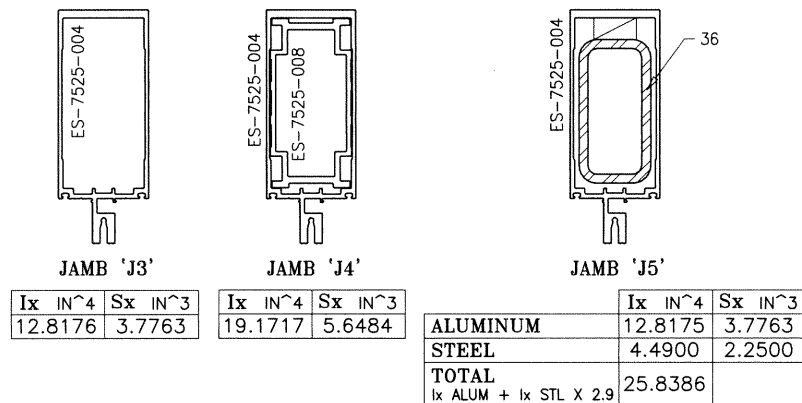
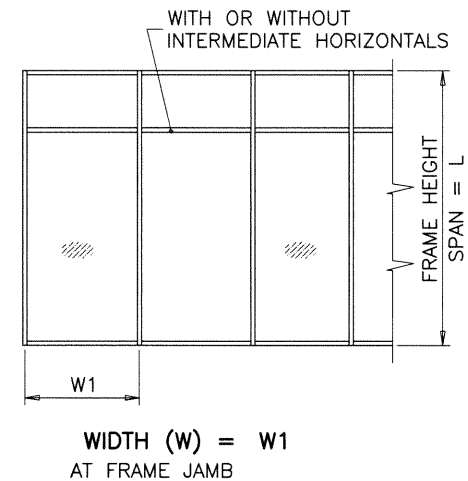


Sealed: 1/25/2021

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	

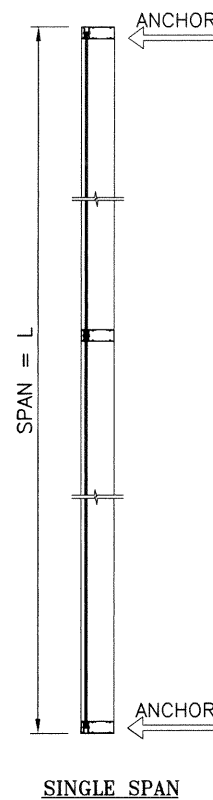
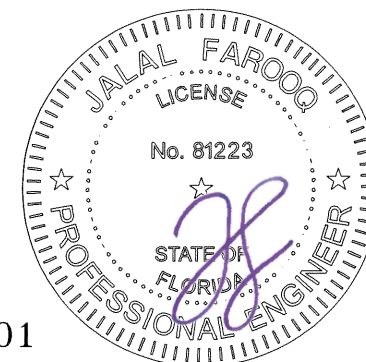


REINF. LENGTH = MULL LENGTH-6"

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

Sealed: 1/25/2021

FL #27101



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

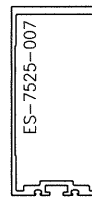
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	no	date	by	description
date:	05-08-18	scale:	-	
dr. by:	TARIQ	chk. by:		
drawing no.	18-56F			
sheet	6.1 of 30			

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

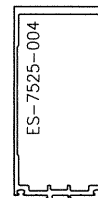
MULLION LOAD CAPACITY - PSF SINGLE SPANS WITH OR WITHOUT INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		MULLION 'M1'	MULLION 'M2'	MULLION 'M1B'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	120"	88.0	100.0	100.0
39"		81.2	95.7	100.0
42"		75.4	88.9	100.0
45"		70.4	82.9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

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



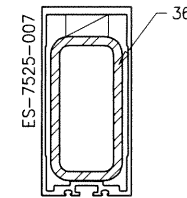
MULLION 'M1'

Ix IN ⁴	Sx IN ³
8.8201	3.3166



MULLION 'M2'

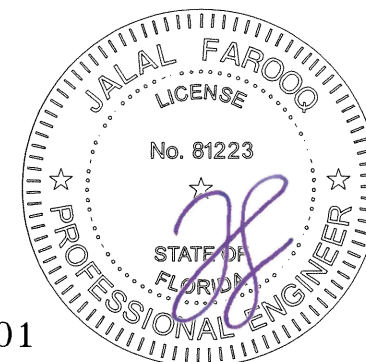
Ix IN ⁴	Sx IN ³
12.8176	3.7763



MULLION 'M1B'

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

REINF. LENGTH = MULL LENGTH-6"



Sealed: 1/25/2021

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

no	date	description

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

drawing no.

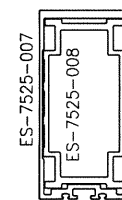
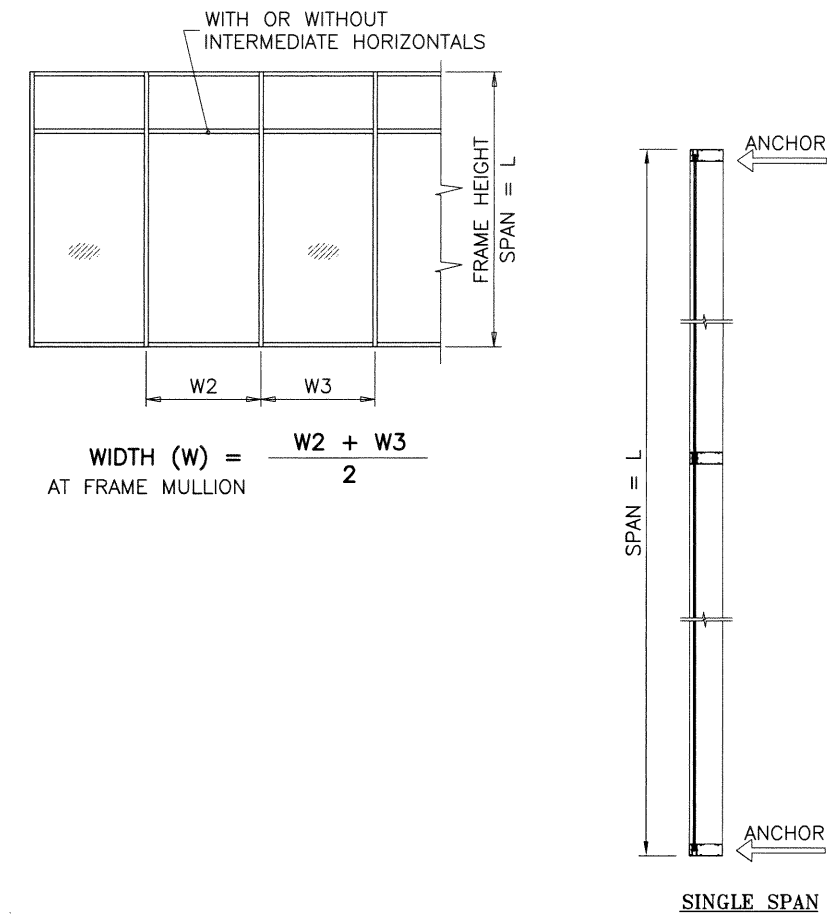
18-56F

sheet 7 of 30

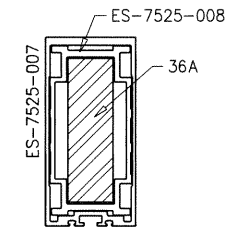
MULLION LOAD CAPACITY - PSF SINGLE SPANS WITH OR WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M1C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	96"	130.0	130.0
39"		130.0	130.0
42"		130.0	130.0
45"		130.0	130.0
48"		130.0	130.0
51"		130.0	130.0
54"		130.0	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	



IX	IN ⁴	SX	IN ³
15.1742	5.7059		



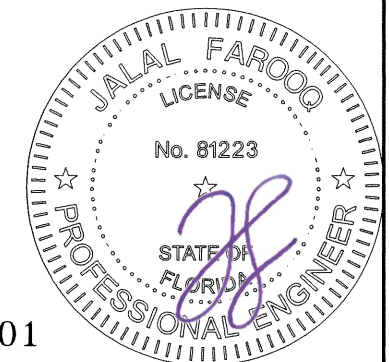
	IX	IN ⁴	SX	IN ³
ALUMINUM	15.1742	5.7059		
STEEL	-	-		
TOTAL				
IX ALUM + IX STL X 2.9	-			

REINF. LENGTH = MULL LENGTH-6"

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

Sealed: 1/25/2021

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

no	date	description

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

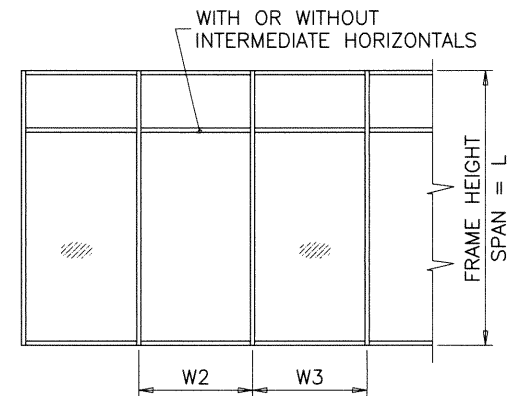
drawing no.
18-56F
sheet 7.1 of 30

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
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
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
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
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

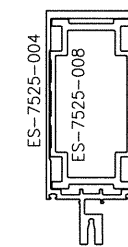
MULLION LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZONTALS				
NOMINAL DIMS.		MULLION 'M2A'	MULLION 'M2B'	MULLION 'M2C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	156"	87.0	75.0	120.0
39"		80.4	75.0	120.0
42"		74.6	75.0	120.0
45"		69.6	75.0	120.0
48"		65.3	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
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
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
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	-

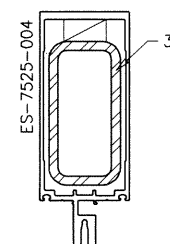


$$WIDTH (W) = \frac{W2 + W3}{2}$$

AT FRAME MULLION



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

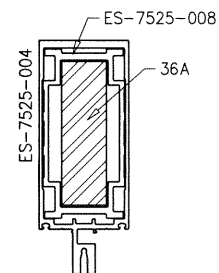


MULLION 'M2B'

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

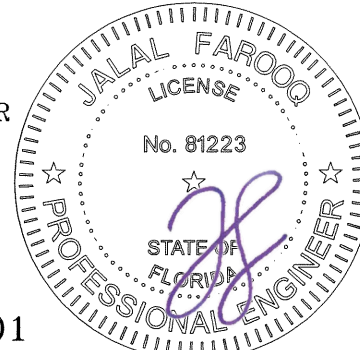
REINF. LENGTH = MULL LENGTH-6"

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



MULLION 'M2C'

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



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FL #27101

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

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
 8051 N.W. 79th Place
 Medley, FL 33166
 Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	no	date	by	description

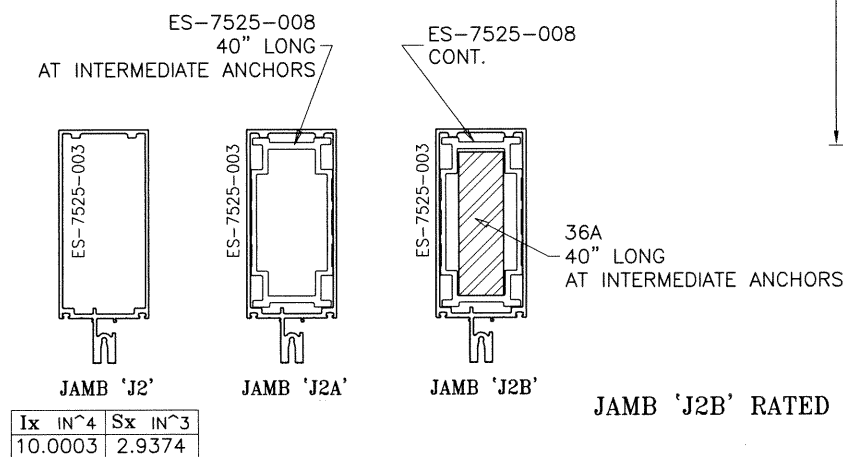
date: 05-08-18
 scale: -
 dr. by: TARIQ
 chk. by:

drawing no.
18-56F
 sheet 7.2 of 30

JAMB LOAD CAPACITY - PSF TWIN SPANS		
NOMINAL DIMS.		JAMB 'J2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
36"	114"	100.0
40"		100.0
42"		100.0
48"		100.0
50"		100.0
54"		100.0
60"		100.0
36"	120"	100.0
40"		100.0
42"		100.0
48"		100.0
50"		100.0
54"		100.0
60"		98.8
36"	126"	100.0
40"		100.0
42"		100.0
48"		100.0
50"		100.0
54"		99.1
60"		89.2
36"	132"	100.0
40"		100.0
42"		100.0
48"		100.0
50"		97.0
54"		89.8
60"		80.8
36"	138"	100.0
40"		100.0
42"		100.0
48"		92.0
50"		88.3
54"		81.8
60"		73.6
36"	144"	100.0
40"		100.0
42"		96.1
48"		84.1
50"		80.7
54"		74.8
60"		67.3
36"	147"	100.0
40"		96.6
42"		92.0
48"		80.5
50"		77.3
54"		71.6
60"		63.3
36"	150"	100.0
40"		92.6
42"		88.2
48"		77.1
50"		74.1
54"		68.6

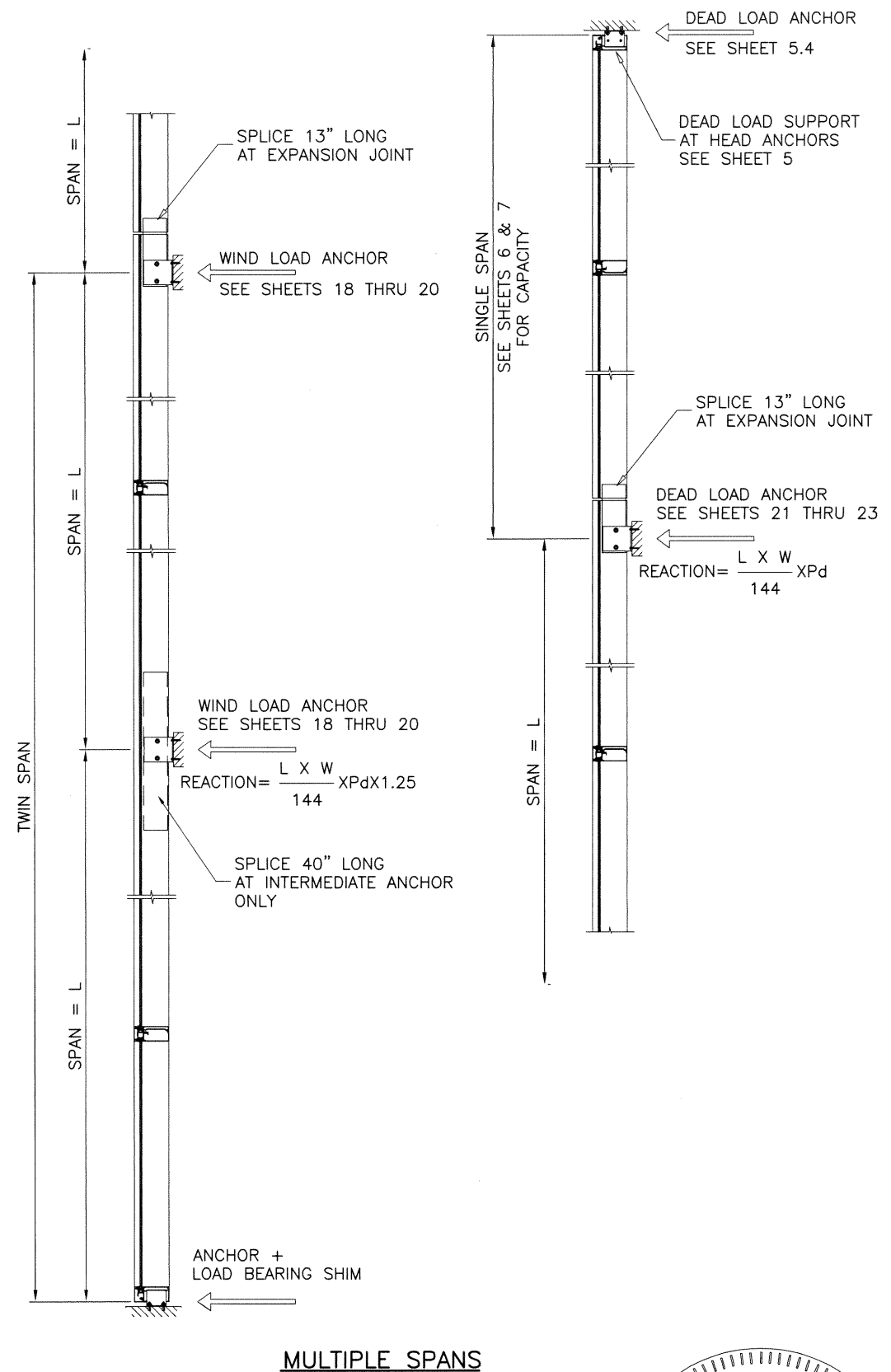
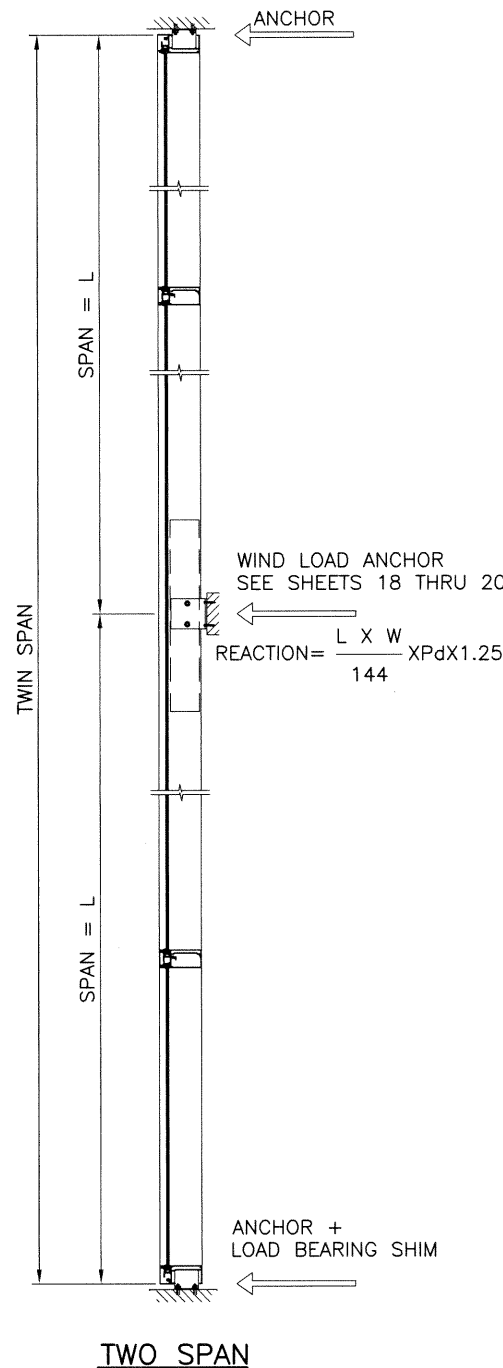
JAMB LOAD CAPACITY - PSF TWIN SPANS		
NOMINAL DIMS.		JAMB 'J2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
60"	108"	120.0
66"		120.0
72"		120.0
78"		120.0
84"		120.0
90"		120.0
60"		114"
66"	120.0	
72"	120.0	
78"	120.0	
84"	120.0	
90"	117.7	
60"	120"	
66"		120.0
72"		120.0
78"		120.0
84"		113.2
90"		105.6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

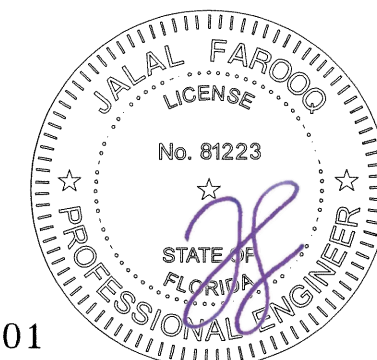
JAMBS TWIN SPAN TABLES



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

Sealed: 1/25/2021

FL #27101



af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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MIAMI, FLORIDA 33173
TEL. (305) 262-6978
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(C.A.N. 3538)

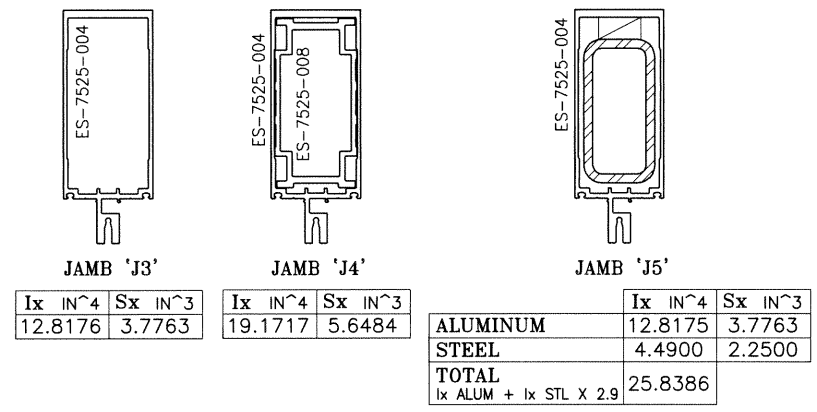
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

no.	date	by	description

date: 05-08-18	scale: -	dr. by: TARIQ	chk. by:
drawing no. 18-56F			
sheet 8 of 30			

COMP-ANL 18-56F-MG

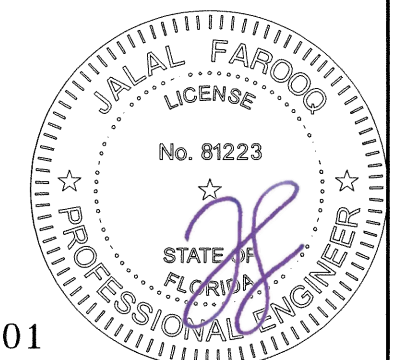
JAMB LOAD CAPACITY - PSF TWIN SPANS					JAMB LOAD CAPACITY - PSF TWIN SPANS				
NOMINAL DIMS.		JAMB 'J3'	JAMB 'J4'	JAMB 'J5'	NOMINAL DIMS.		JAMB 'J3'	JAMB 'J4'	JAMB 'J5'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	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		



REINF. LENGTH = MULL LENGTH-6"

Sealed: 1/25/2021

FL #27101



af c
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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 8051 N.W. 79th Place
 Medley, FL 33166
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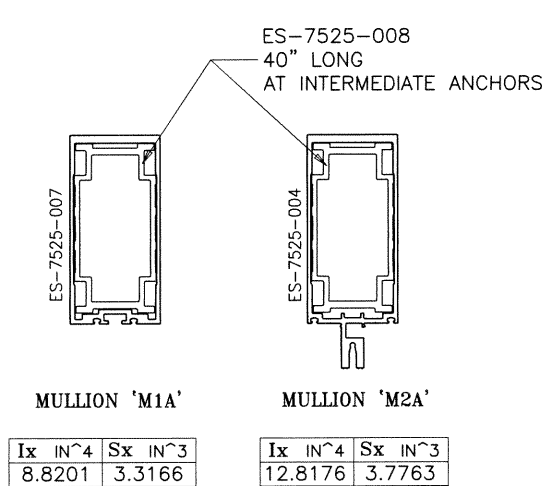
no	date	by	description

date: 05-08-18	scale: -	dr. by: TARIQ	chk. by:
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drawing no.
18-56F
 sheet 8.1 of 30

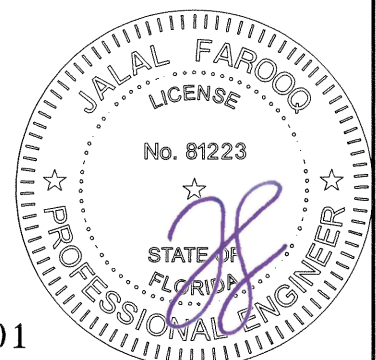
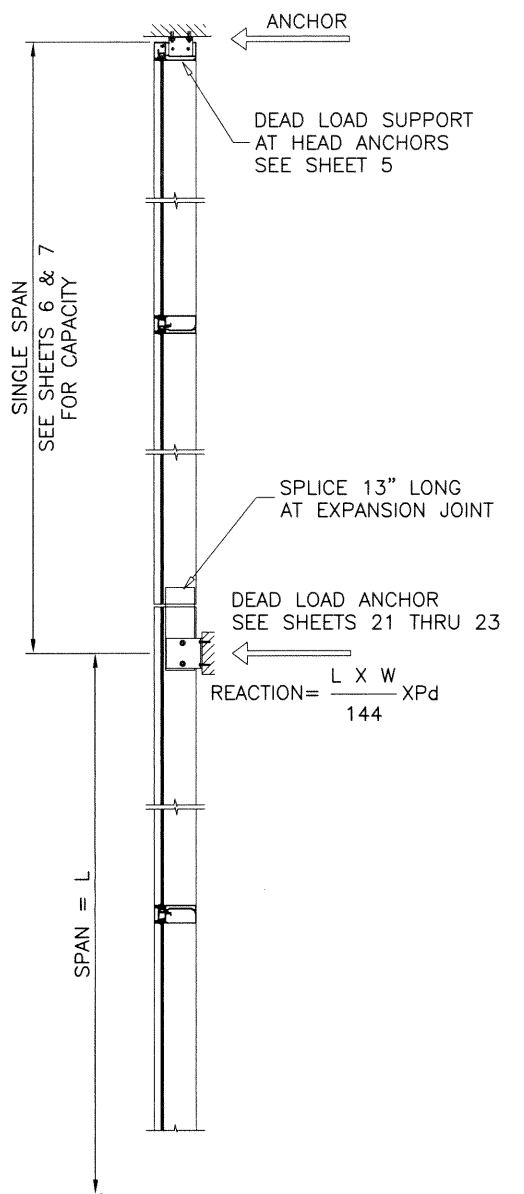
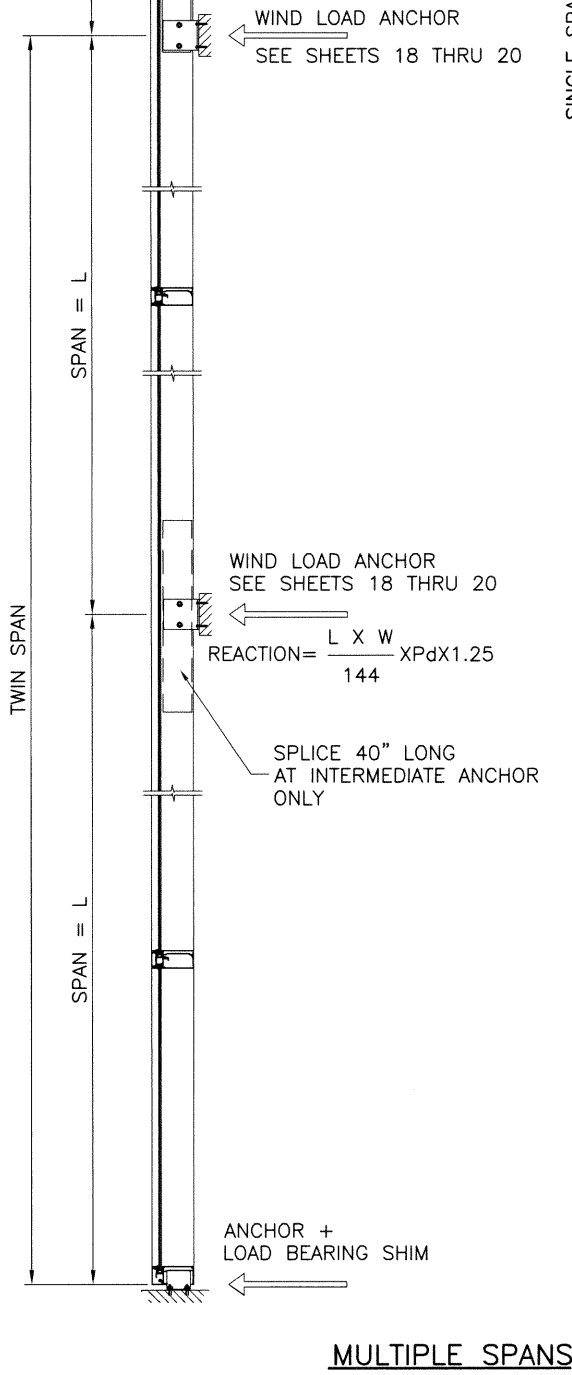
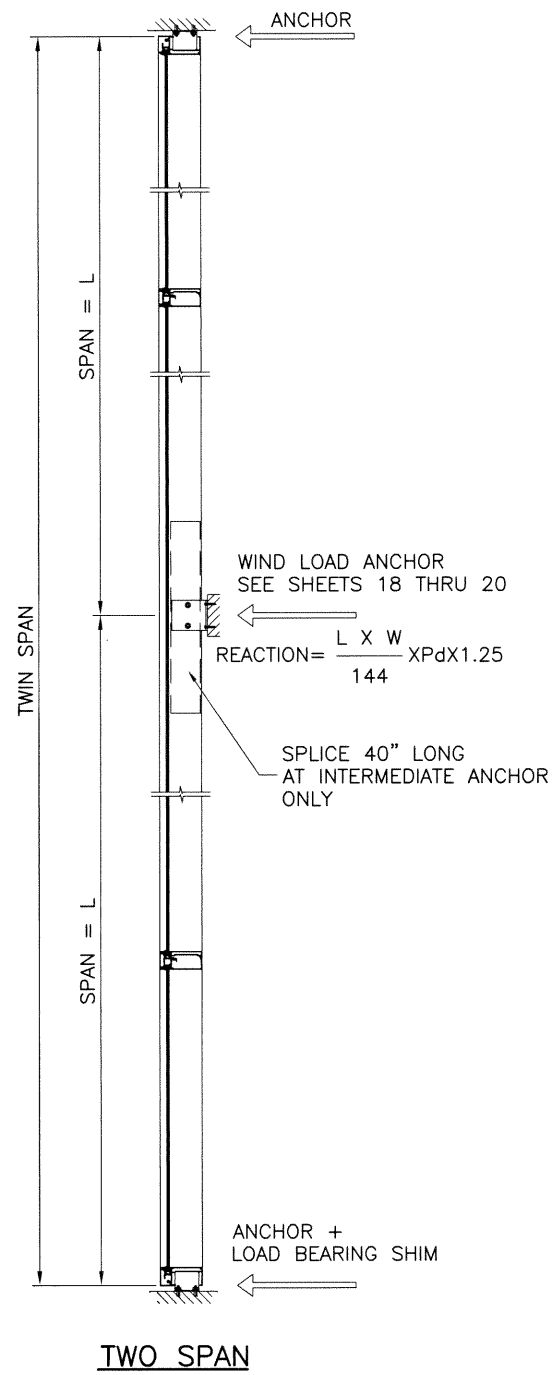
MULLION LOAD CAPACITY - PSF TWIN SPANS			
NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M2A'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	114"	100.0	100.0
39"		100.0	100.0
42"		100.0	100.0
45"		100.0	100.0
48"		100.0	100.0
51"		100.0	100.0
54"		100.0	100.0
60"		100.0	100.0
36"	120"	100.0	100.0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

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



UN-REINFORCED MULLION TWIN SPAN TABLES

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



Sealed: 1/25/2021
FL #27101

af c

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

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

COMP-ANL 18-56F-MG

revisions:	no	date	by	description

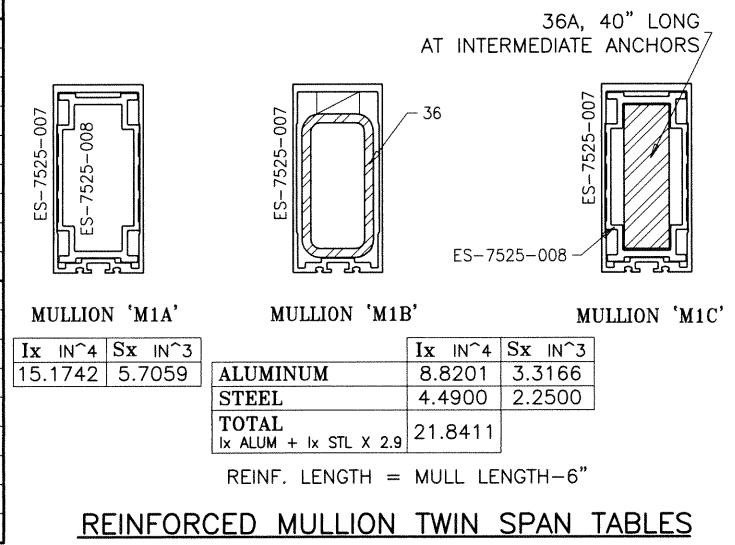
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scale: -
dr. by: TARIQ
chk. by:

drawing no.
18-56F

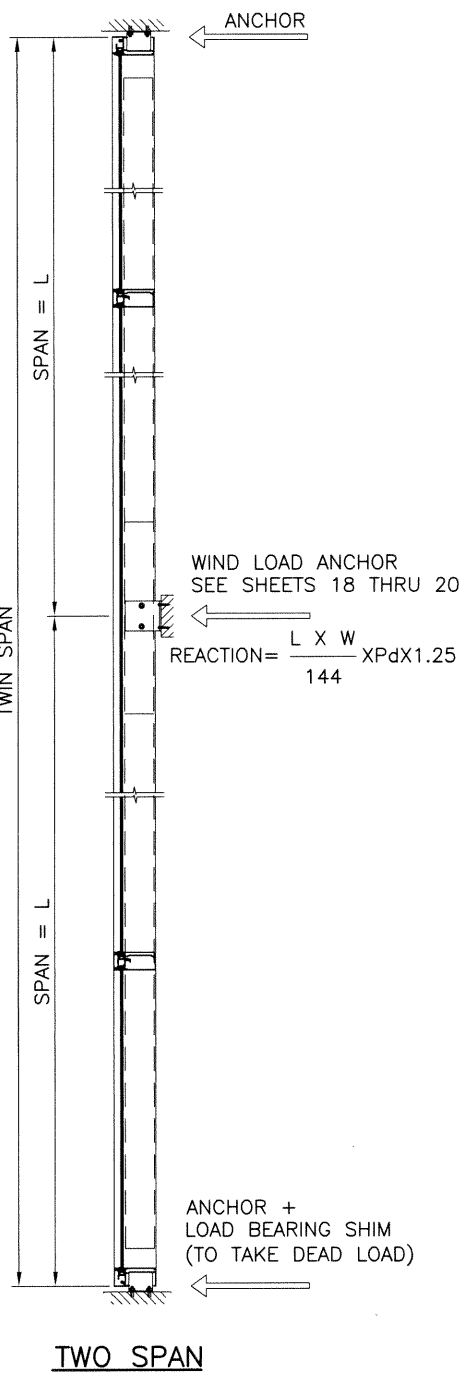
sheet 9 of 30

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
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
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
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
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
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
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
60"		-	-	114.7

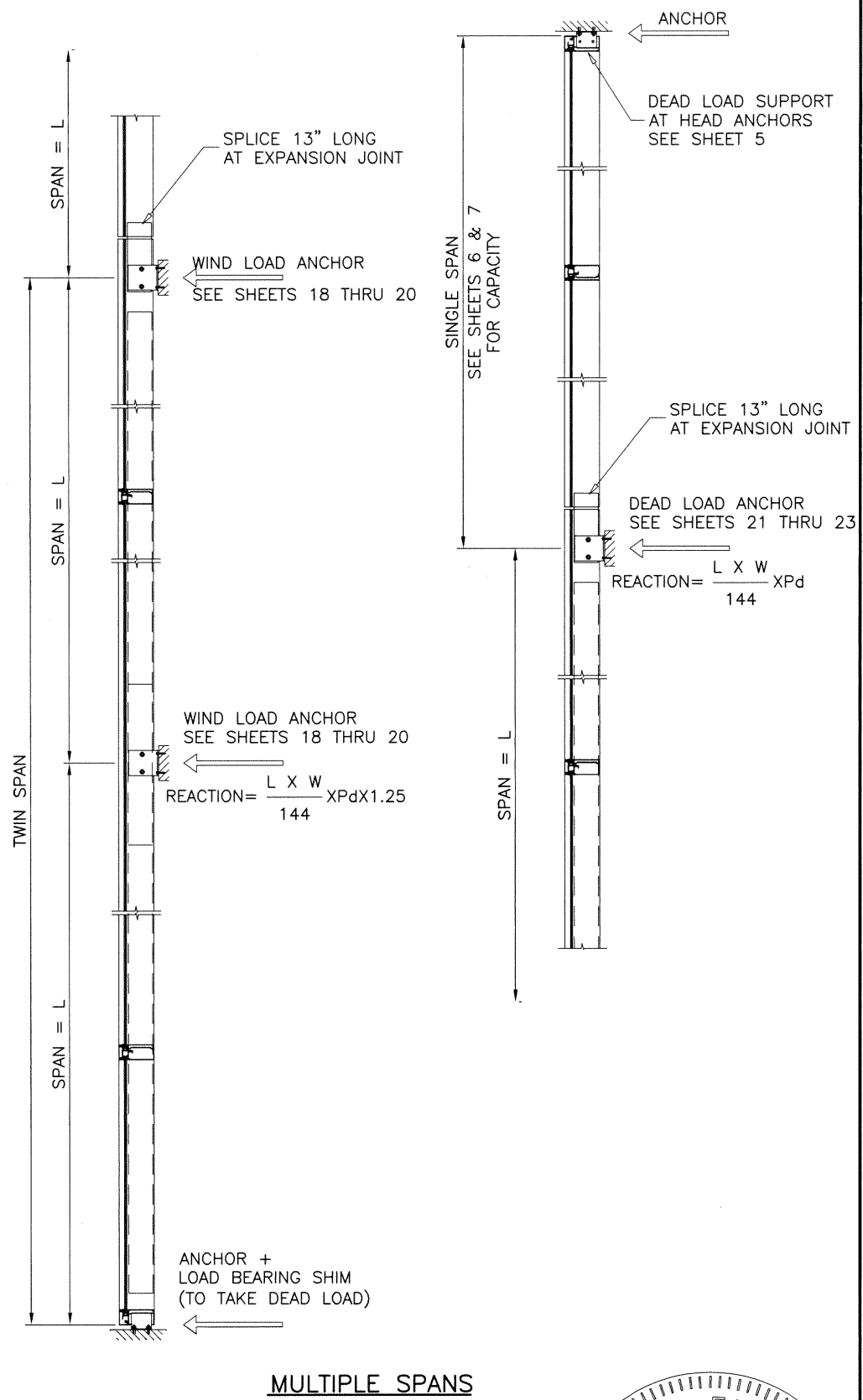
MULLION LOAD CAPACITY - PSF TWIN SPANS				
NOMINAL DIMS.		MULLION 'M1A'	MULLION 'M1B'	MULLION 'M1C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	150"	96.0	100.0	130.0
39"		88.6	100.0	130.0
42"		82.3	99.4	130.0
45"		76.8	92.8	130.0
48"		72.0	87.0	130.0
51"		-	81.8	129.6
54"		-	77.3	122.4
57"		-	-	115.9
60"		-	-	110.1
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
60"		-	-	99.6
36"	159"	-	-	130.0
39"		-	-	130.0
42"		-	-	130.0
45"		-	-	125.4
48"		-	-	117.6
51"		-	-	110.6
54"		-	-	104.5
57"		-	-	99.0
60"		-	-	81.2
60"		-	-	81.2
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
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
60"		-	-	62.5



REINFORCED MULLION TWIN SPAN TABLES



TWO SPAN

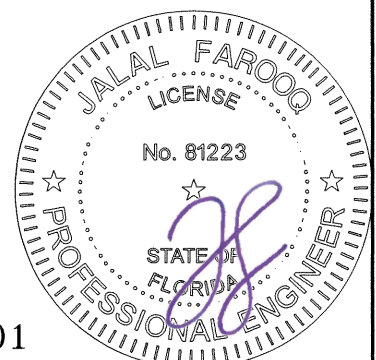



MULTIPLE SPANS

MULLIONS 'M1C' RATED FOR LEVEL 'E' IMPACT

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

Sealed: 1/25/2021





AL-FAROOQ CORPORATION
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COMP-ANI\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

no.	description

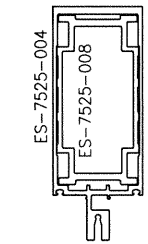
date: 05-08-18	scale: -	dr. by: TARIQ	chk. by:
drawing no. 18-56F			
sheet 10 of 30			

MULLION LOAD CAPACITY - PSF TWIN SPANS				
NOMINAL DIMS.		MULLION 'M2A'	MULLION 'M2B'	MULLION 'M2C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	102"	100.0	120.0	130.0
39"		100.0	120.0	130.0
42"		100.0	120.0	130.0
45"		100.0	120.0	130.0
48"		100.0	120.0	130.0
51"		100.0	120.0	130.0
54"		100.0	120.0	130.0
57"		100.0	120.0	130.0
60"		100.0	120.0	130.0
66"		-	120.0	-
72"	-	120.0	-	
36"	108"	100.0	120.0	130.0
39"		100.0	120.0	130.0
42"		100.0	120.0	130.0
45"		100.0	120.0	130.0
48"		100.0	120.0	130.0
51"		100.0	120.0	130.0
54"		100.0	120.0	130.0
57"		100.0	120.0	130.0
60"		100.0	120.0	130.0
66"		-	120.0	-
36"	114"	100.0	120.0	130.0
39"		100.0	120.0	130.0
42"		100.0	120.0	130.0
45"		100.0	120.0	130.0
48"		100.0	120.0	130.0
51"		100.0	120.0	130.0
54"		100.0	120.0	130.0
57"		100.0	120.0	130.0
60"		100.0	120.0	130.0
66"		-	120.0	-
36"	120"	100.0	120.0	130.0
39"		100.0	120.0	130.0
42"		100.0	120.0	130.0
45"		100.0	120.0	130.0
48"		100.0	120.0	130.0
51"		100.0	120.0	130.0
54"		100.0	120.0	130.0
57"		96.6	120.0	130.0
60"		91.8	120.0	130.0
36"		126"	100.0	120.0
39"	100.0		120.0	130.0
42"	100.0		120.0	130.0
45"	100.0		120.0	130.0
48"	100.0		120.0	130.0
51"	97.4		120.0	130.0
54"	92.0		120.0	130.0
57"	87.1		119.1	130.0
60"	82.8		100.0	130.0

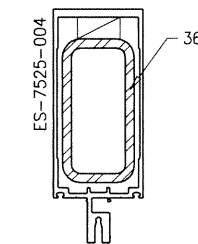
MULLION LOAD CAPACITY - PSF TWIN SPANS				
NOMINAL DIMS.		MULLION 'M2A'	MULLION 'M2B'	MULLION 'M2C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	130"	100.0	120.0	130.0
39"		100.0	120.0	130.0
42"		100.0	120.0	130.0
45"		100.0	120.0	130.0
48"		93.7	120.0	130.0
51"		88.2	120.0	130.0
54"		83.3	117.6	130.0
57"		78.9	110.9	130.0
60"		75.0	100.0	130.0
36"		132"	100.0	119.0
39"	100.0		119.0	130.0
42"	100.0		119.0	130.0
45"	100.0		100.0	130.0
48"	93.7		100.0	130.0
51"	88.2		100.0	130.0
54"	83.3		100.0	130.0
57"	78.9		100.0	130.0
60"	75.0		100.0	130.0
36"	138"		100.0	119.0
39"		100.0	119.0	130.0
42"		97.4	119.0	130.0
45"		90.9	100.0	130.0
48"		85.3	100.0	130.0
51"		80.2	100.0	130.0
54"		75.8	100.0	130.0
57"		71.8	98.2	130.0
60"		68.2	93.3	130.0
36"		144"	100.0	119.0
39"	95.8		119.0	130.0
42"	89.0		119.0	130.0
45"	83.0		100.0	130.0
48"	77.9		100.0	130.0
51"	73.3		100.0	130.0
54"	69.2		94.7	130.0
57"	65.6		89.7	128.1
60"	62.3		85.2	121.7
36"	147"		99.3	119.0
39"		91.7	119.0	130.0
42"		85.1	116.5	130.0
45"		79.5	100.0	130.0
48"		74.5	100.0	130.0
51"		70.1	95.9	130.0
54"		66.2	90.6	129.7
57"		62.7	85.8	122.9
60"		59.6	81.5	116.7
36"		150"	95.1	100.0
39"	87.8		100.0	130.0
42"	81.5		100.0	130.0
45"	76.1		100.0	130.0
48"	71.3		97.6	130.0
51"	67.2		91.9	130.0
54"	63.4		86.8	124.6
57"	60.1		82.2	118.0
60"	57.1		78.1	112.1

MULLION LOAD CAPACITY - PSF TWIN SPANS				
NOMINAL DIMS.		MULLION 'M2A'	MULLION 'M2B'	MULLION 'M2C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	156"	87.5	75.0	130.0
39"		80.7	75.0	130.0
42"		75.0	75.0	130.0
45"		70.0	75.0	130.0
48"		65.6	50.0	129.6
51"		61.7	50.0	122.0
54"		58.3	50.0	115.2
57"		55.2	50.0	109.1
60"		52.5	50.0	103.7
36"		159"	84.0	75.0
39"	77.6		75.0	130.0
42"	72.0		75.0	130.0
45"	67.2		75.0	130.0
48"	63.0		50.0	130.0
51"	59.3		50.0	124.7
54"	56.0		50.0	117.4
57"	53.1		50.0	110.9
60"	50.4		50.0	105.0
36"	168"		75.3	70.0
39"		69.5	70.0	130.0
42"		64.5	70.0	127.7
45"		60.2	70.0	119.2
48"		56.5	70.0	111.7
51"		53.1	50.0	105.2
54"		50.2	50.0	99.3
57"		47.5	50.0	94.1
60"		45.2	50.0	89.4
36"		180"	65.6	70.0
39"	60.5		70.0	119.8
42"	56.2		70.0	111.2
45"	52.5		70.0	103.8
48"	49.2		67.3	103.8
51"	46.3		50.0	91.6
52"	43.7		50.0	90.0
54"	41.4		50.0	86.5
57"	39.3		50.0	82.0
60"	62.7		50.0	77.9
36"	184-1/8"	57.9	70.0	-
39"		53.7	70.0	-
42"		50.1	70.0	-
45"		47.0	68.6	-
48"		44.2	64.4	-
51"		41.8	50.0	-
54"		39.6	50.0	-
57"		37.6	50.0	-
60"		50.0	50.0	-

MULLION LOAD CAPACITY - PSF TWIN SPANS				
NOMINAL DIMS.		MULLION 'M2A'	MULLION 'M2B'	MULLION 'M2C'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	192"	57.6	50.0	-
39"		53.2	50.0	-
42"		49.4	50.0	-
45"		46.1	50.0	-
48"		43.2	50.0	-
51"		40.7	50.0	-
54"		38.4	50.0	-
57"		36.4	49.8	-
60"		34.6	47.4	-
36"		196-3/4"	54.9	50.0
39"	50.7		50.0	-
42"	47.0		50.0	-
45"	43.9		50.0	-
48"	41.2		50.0	-
51"	38.7		50.0	-
54"	36.6		50.0	-
57"	34.7		47.5	-
60"	32.9		45.1	-

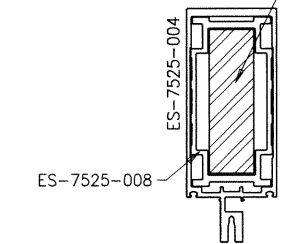


MULLION 'M2A'
Ix IN⁴ 19.1717 Sx IN³ 5.6484



MULLION 'M2B'

36A, 40" LONG
AT INTERMEDIATE ANCHORS



MULLION 'M2C'

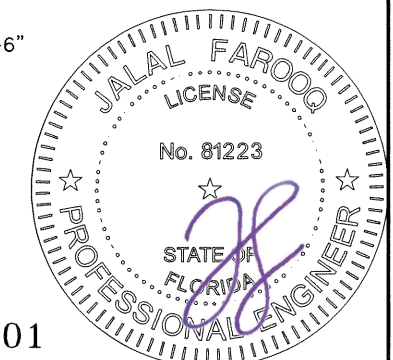
	Ix IN ⁴	Sx IN ³
ALUMINUM	12.8175	3.7763
STEEL	4.4900	2.2500
TOTAL Ix ALUM + Ix STL X 2.9	25.8386	

REINF. LENGTH = MULL LENGTH - 6"

MULLIONS 'M2C' RATED FOR
LEVEL 'E' IMPACT

Sealed: 1/25/2021

FL #27101



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

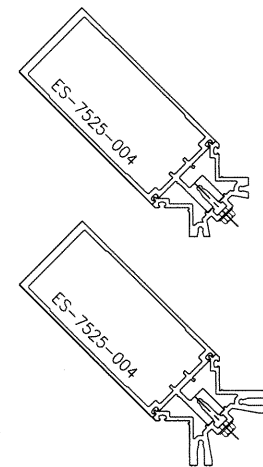
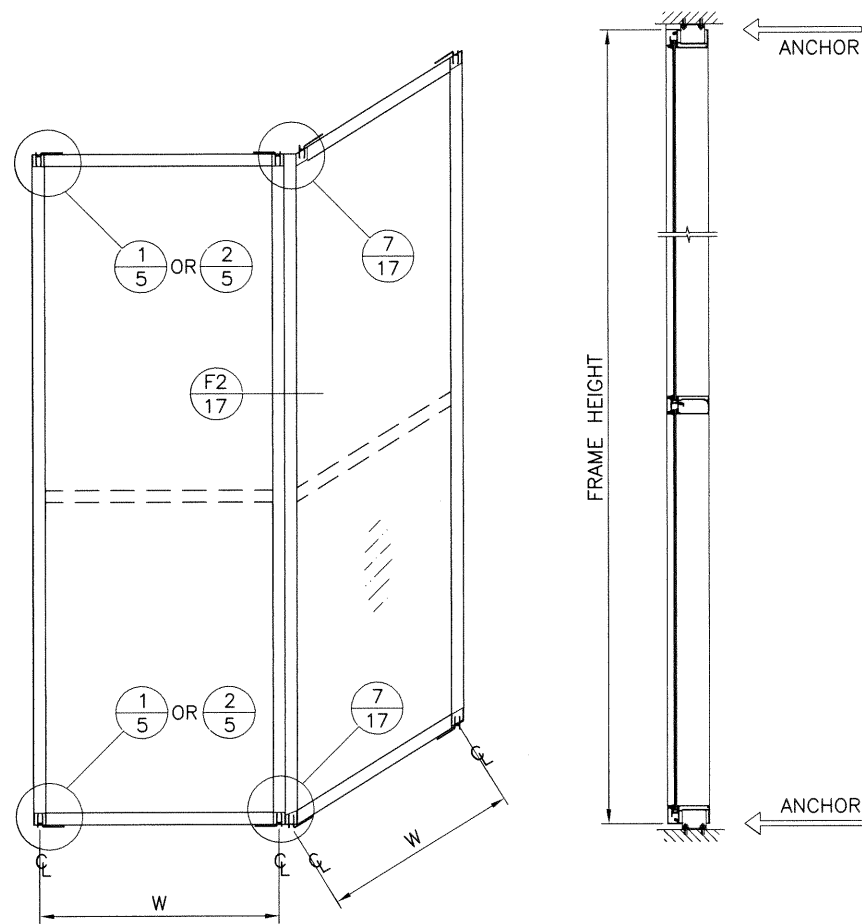
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

no	date	by	description

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

drawing no.
18-56F
sheet 10.1 of 30

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

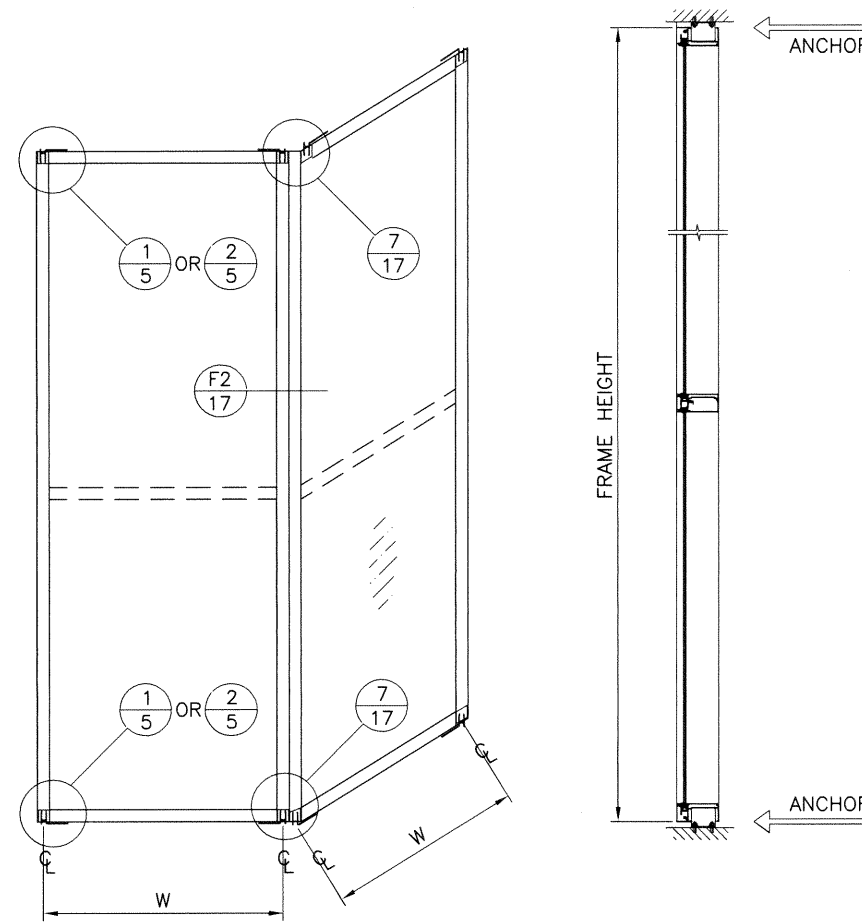


CORNER MULLION

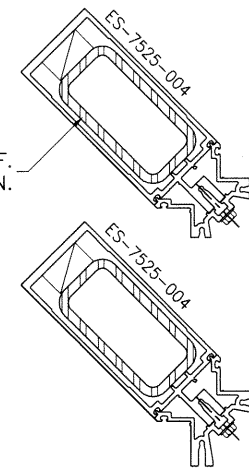
WIDTH-W INCHES	FRAME HEIGHT INCHES	DESIGN LOAD CAPACITY PSF
42	108	100.0
48		100.0
54		100.0
60		100.0
42	114	100.0
48		100.0
54		100.0
60	96.3	
42	120	100.0
48		100.0
54		96.2
60		86.6

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

CORNER MULLION WITH REINFORCING
SINGLE SPAN WITH OR WITHOUT HORIZONTAL



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

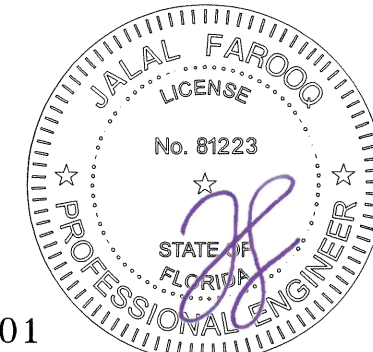


CORNER MULLION
W/ STEEL REINF.

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

Sealed: 1/25/2021

FL #27101



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

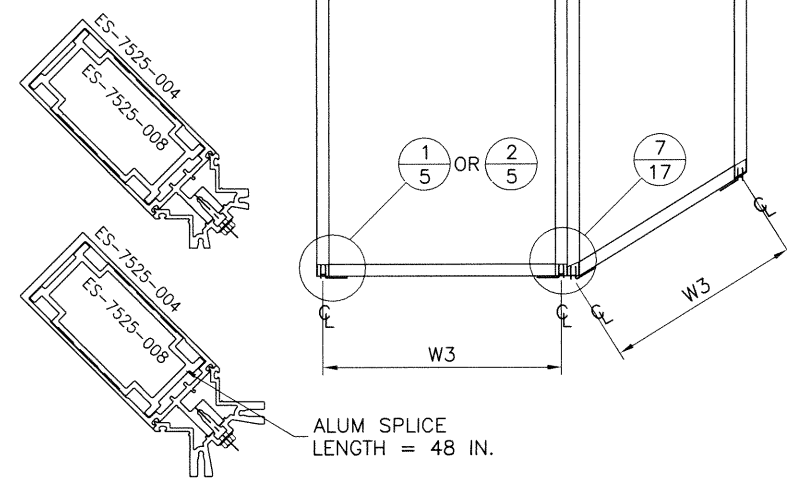
no	date	by	description

date: 05-08-18	scale: -	dr. by: TARIQ	chk. by:
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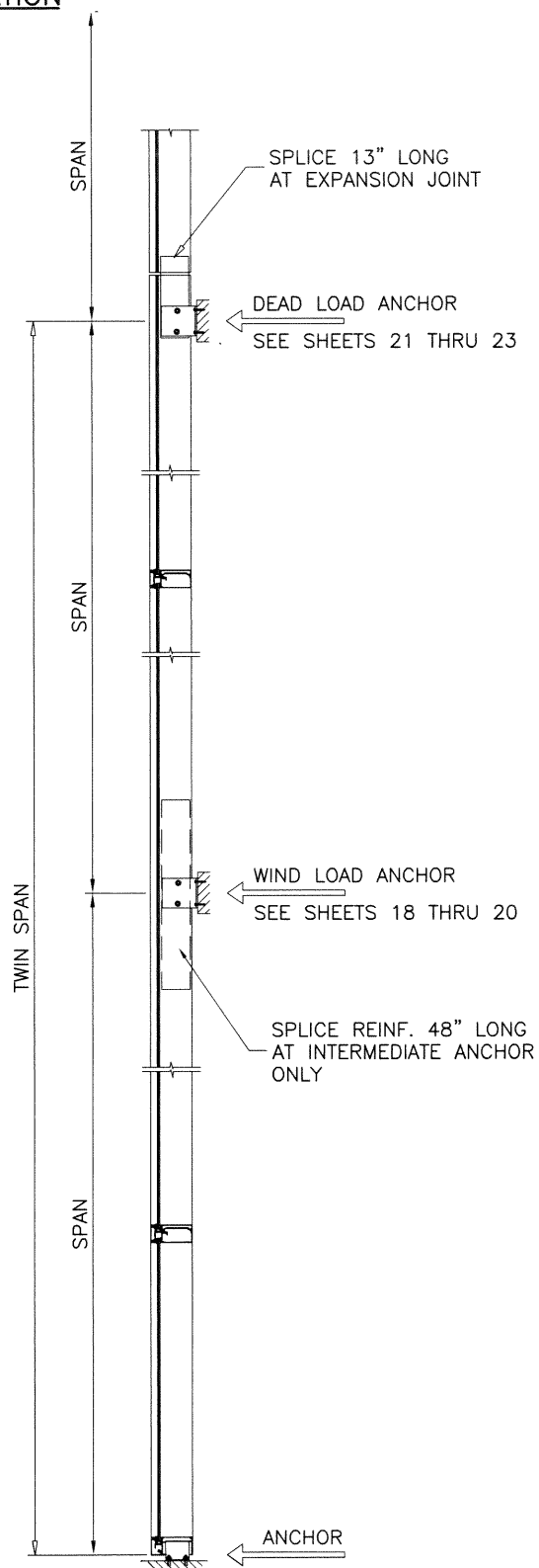
drawing no.
18-56F
sheet 11 of 30

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.

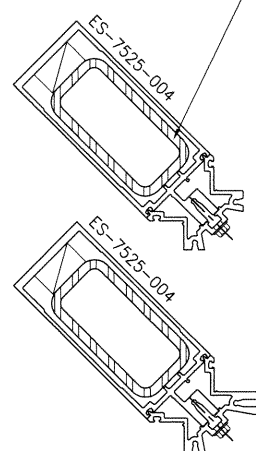


NOTE:
USE 'F' ANCHOR CLIP DETAIL 1/5 AT JAMB AND
'T' ANCHOR CLIP DETAIL 2/5 AT MULLION

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

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

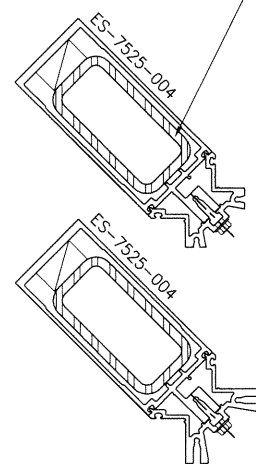
2 X 4 X 1/4" STEEL TUBE SPLICE LENGTH - 48 IN.



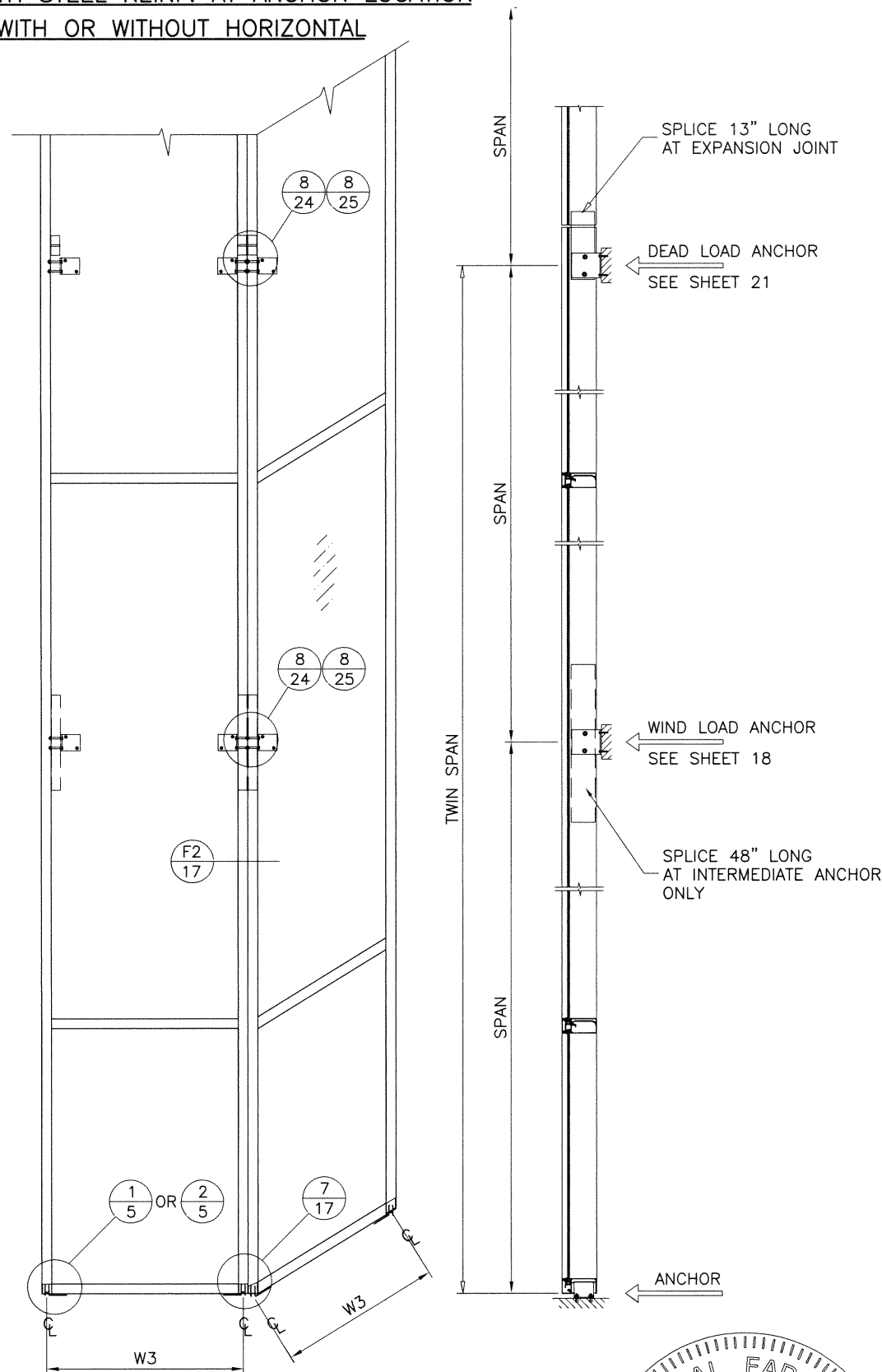
CORNER MULLION W/ STEEL SPLICE

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

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

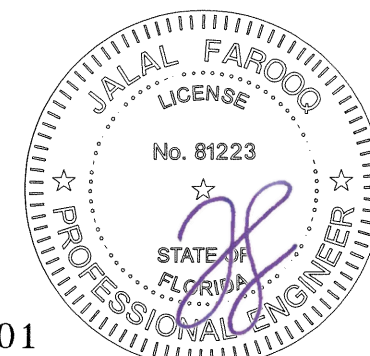


CORNER MULLION W/ STEEL REINF.



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FL #27101

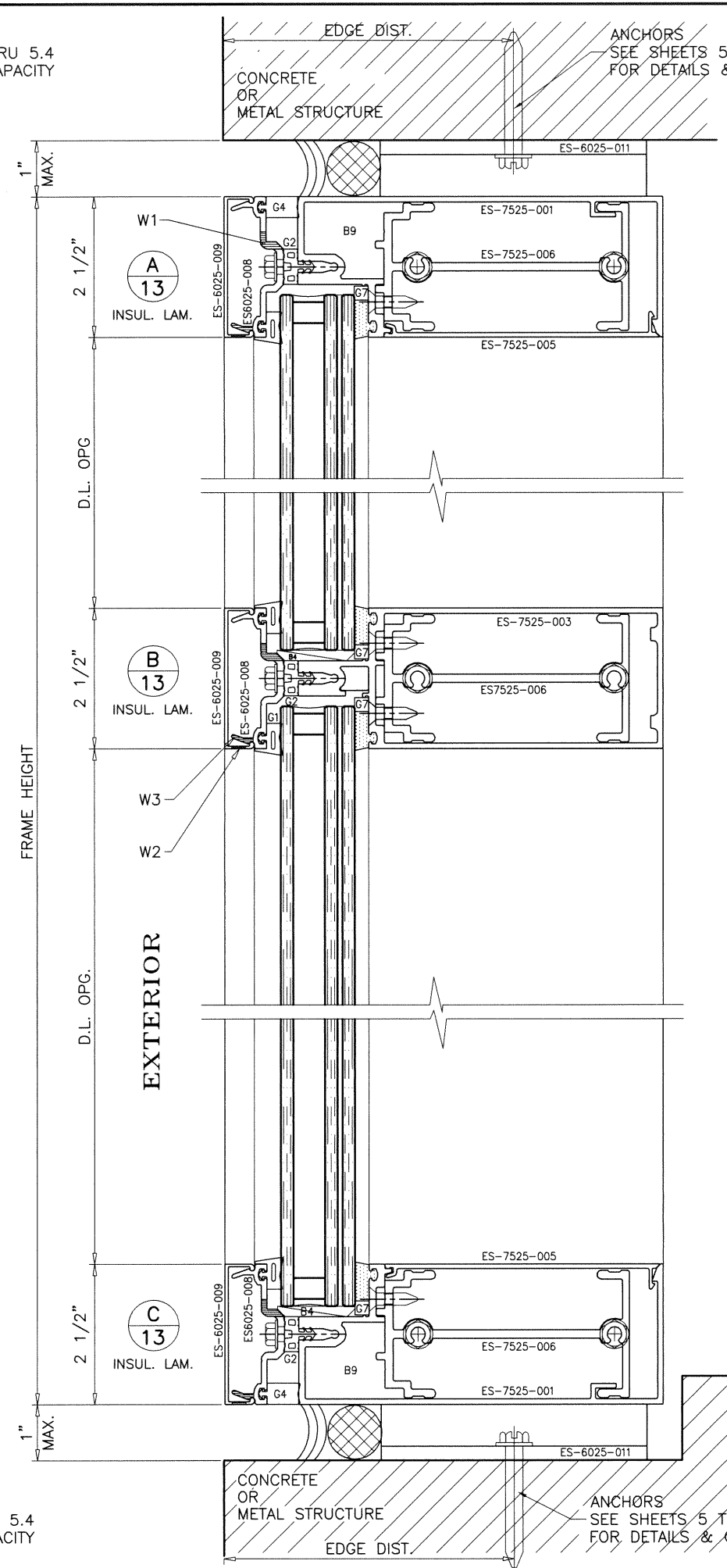
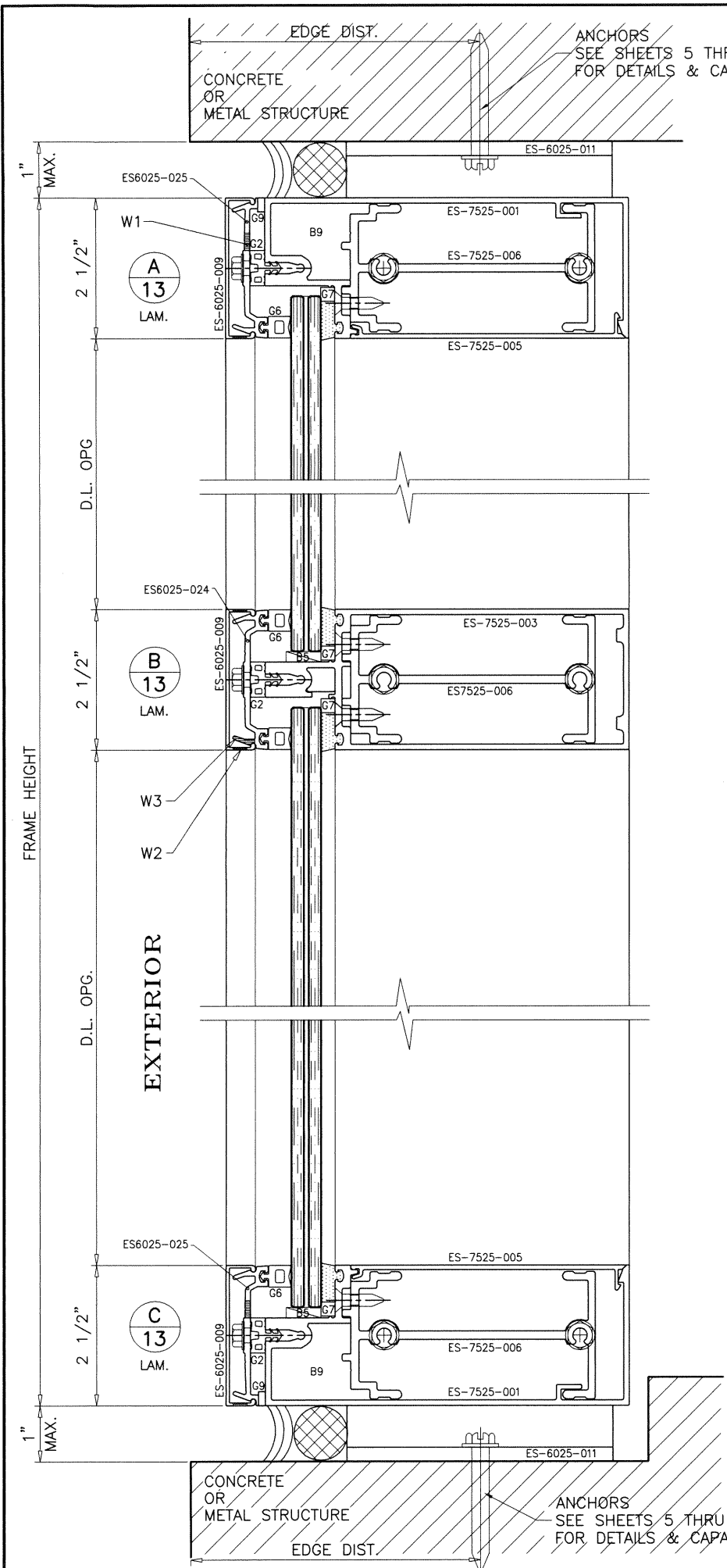


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AL-FAROOQ CORPORATION
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 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173 TEL. (305) 262-6978 FAX. (305) 262-6978
 COMP-ANL 18-56F-MG

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

no	date	by	description

date: 05-08-18
 scale: -
 dr. by: TARIQ
 chk. by:
 drawing no. 18-56F
 sheet 12 of 30

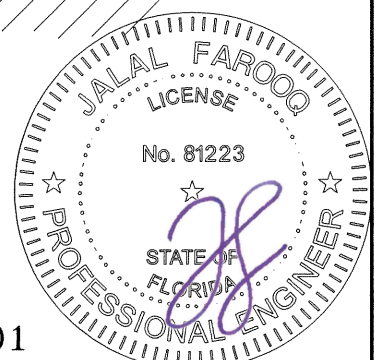
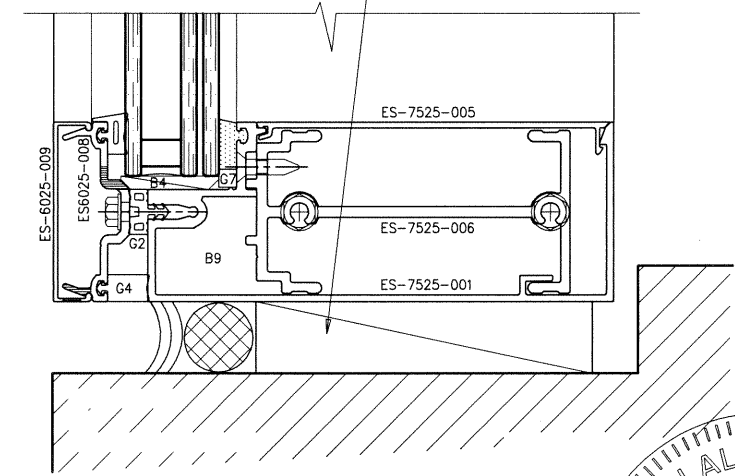


CONCRETE AND METAL STRUCTURE NOT BY 'MR. GLASS'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

WEEPHOLES:

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

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



Sealed: 1/25/2021
FL #27101

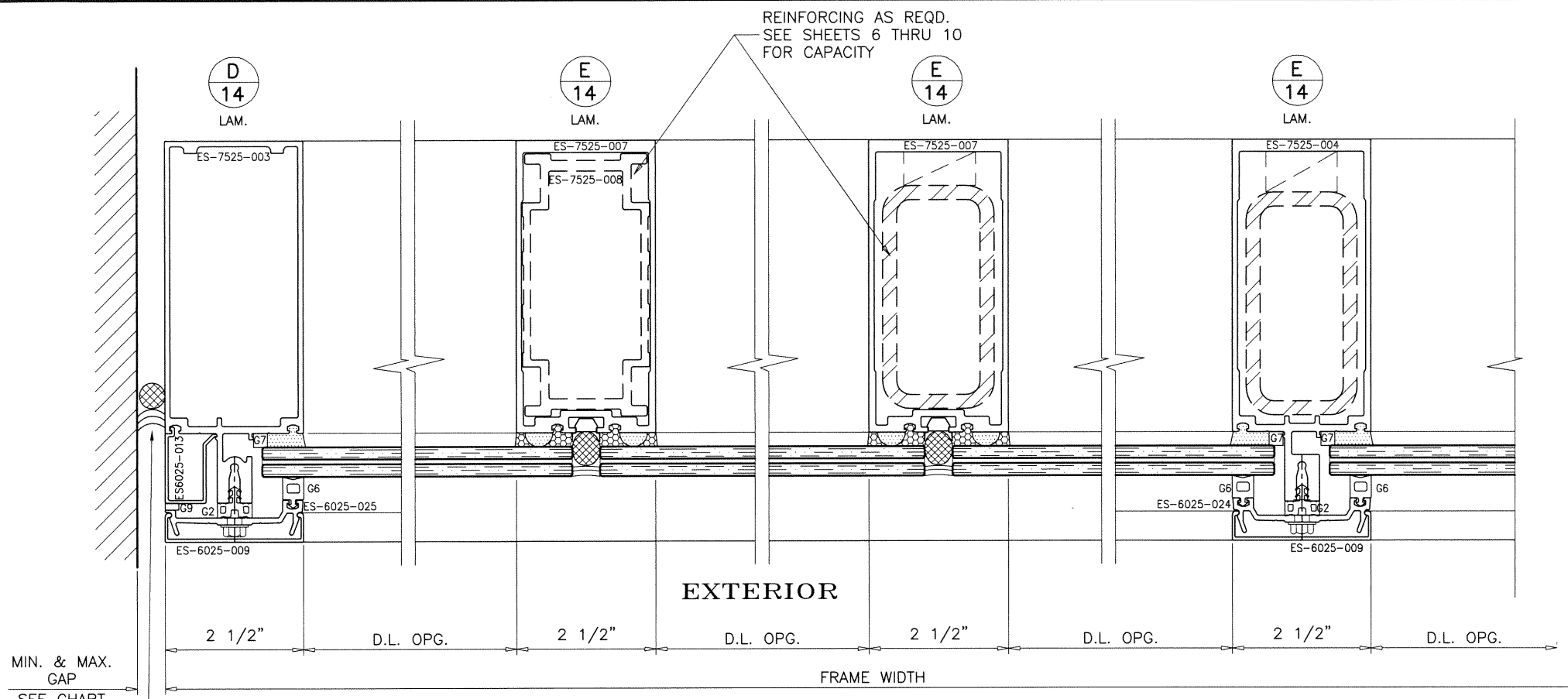
afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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revisions:	no	date	by	description

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

drawing no.
18-56F
sheet 13 of 30

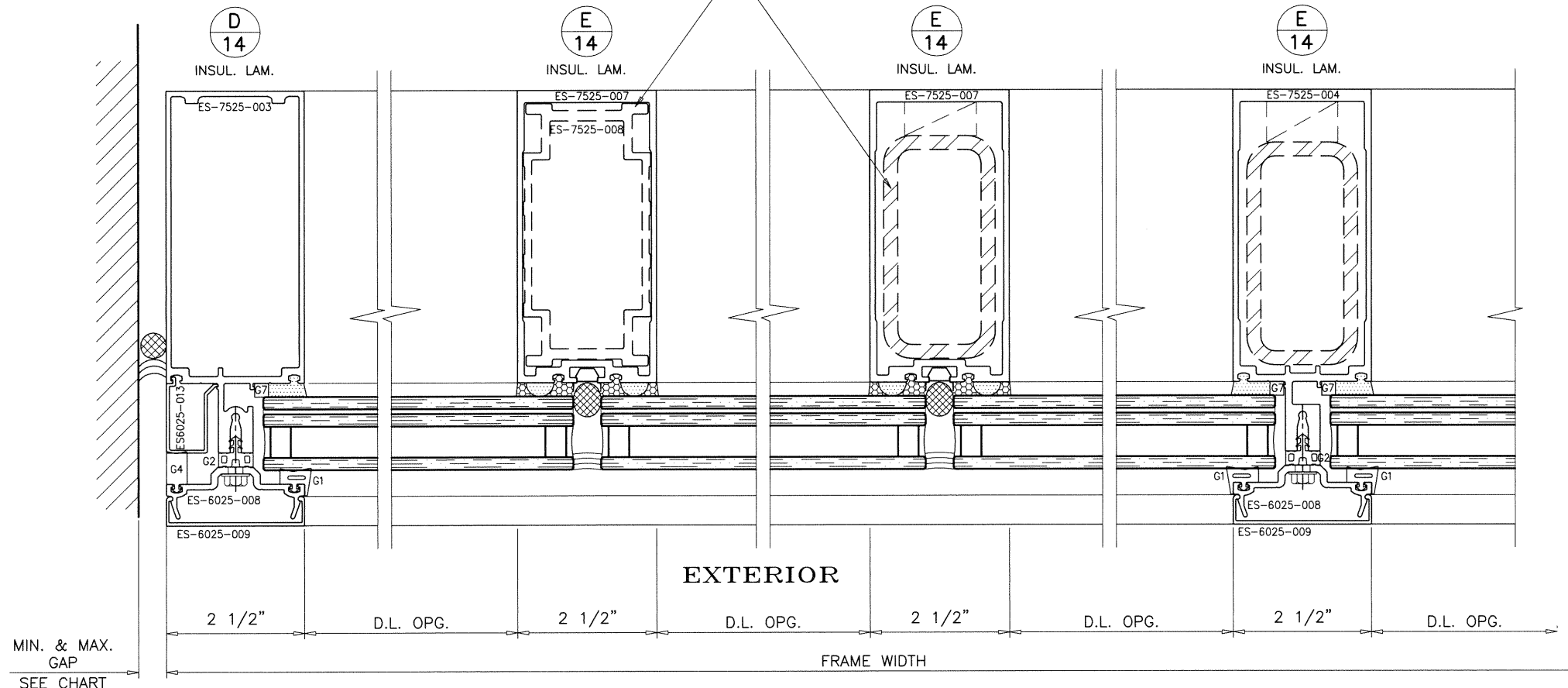


MIN. & MAX. GAP
SEE CHART

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

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

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



MIN. & MAX. GAP
SEE CHART

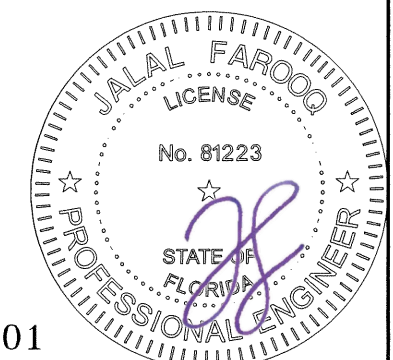
a f c
AL-FAROOQ CORPORATION
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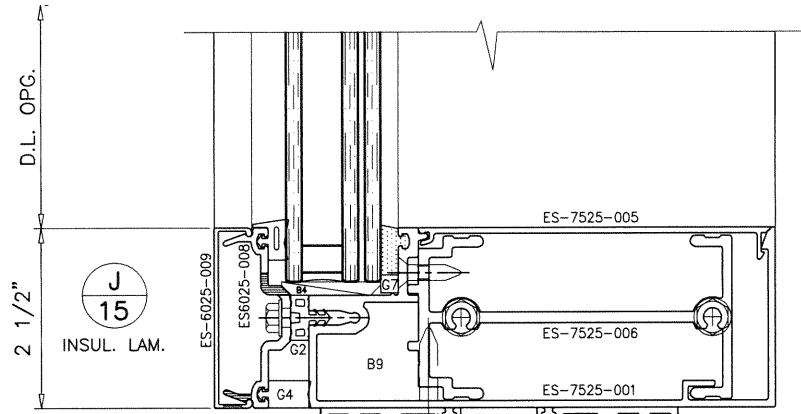
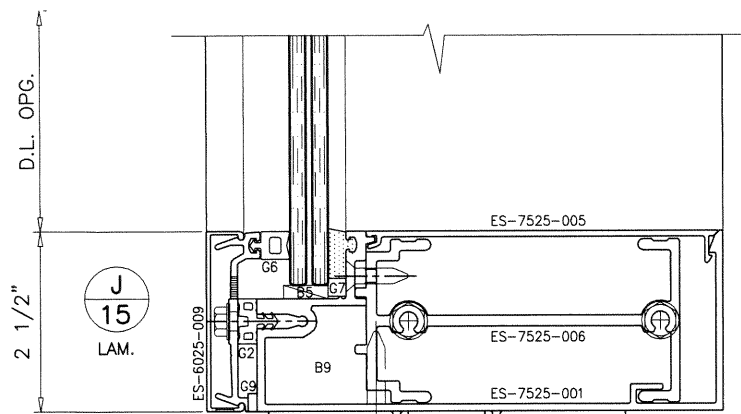
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dr. by: TARIQ
chk. by:

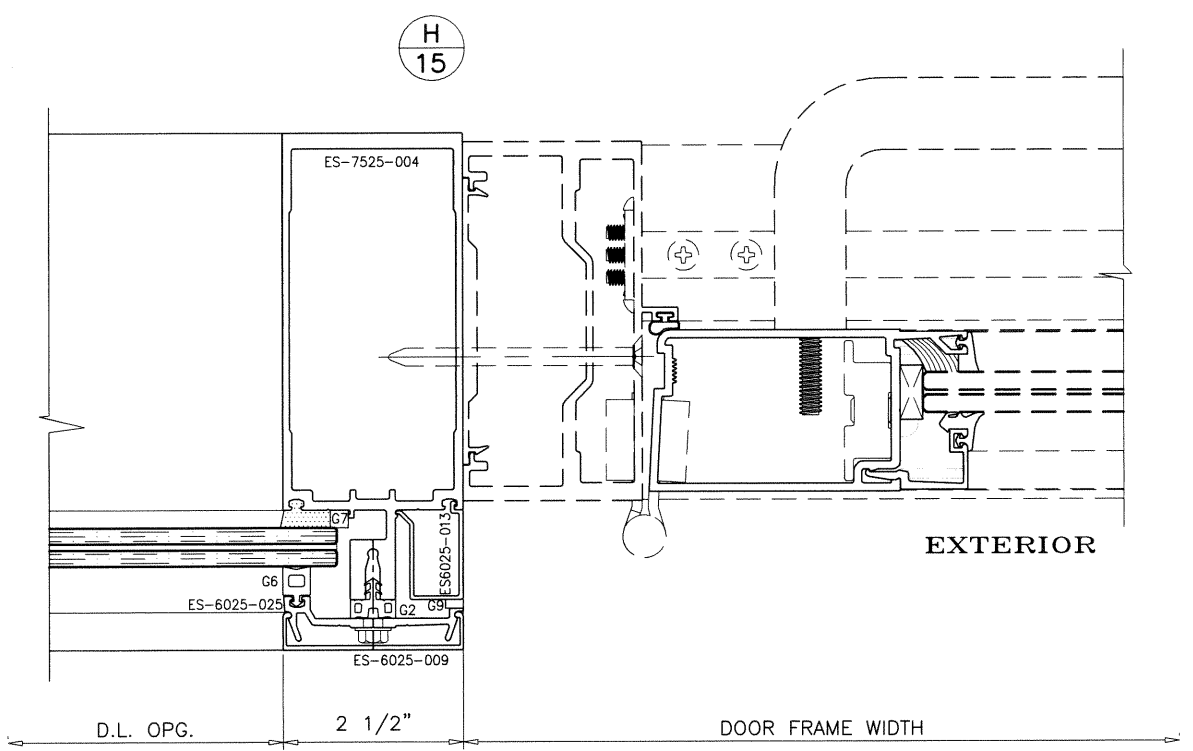
drawing no.
18-56F
sheet 14 of 30



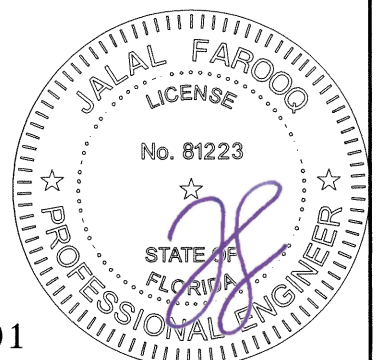
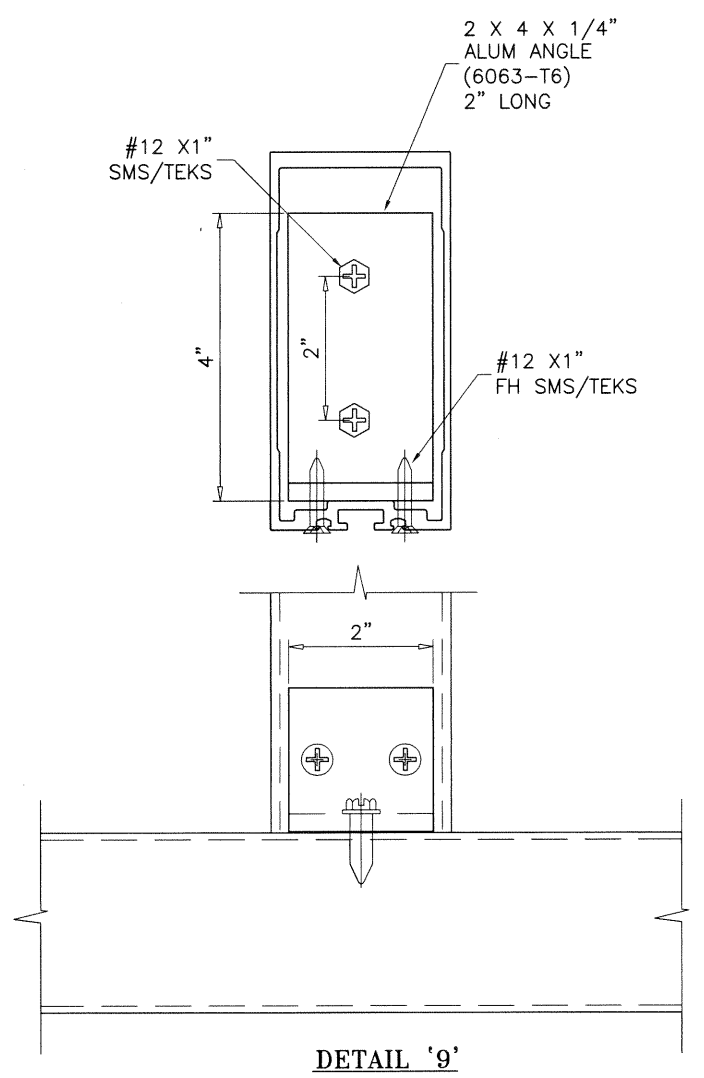
Sealed: 1/25/2021
FL #27101



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



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



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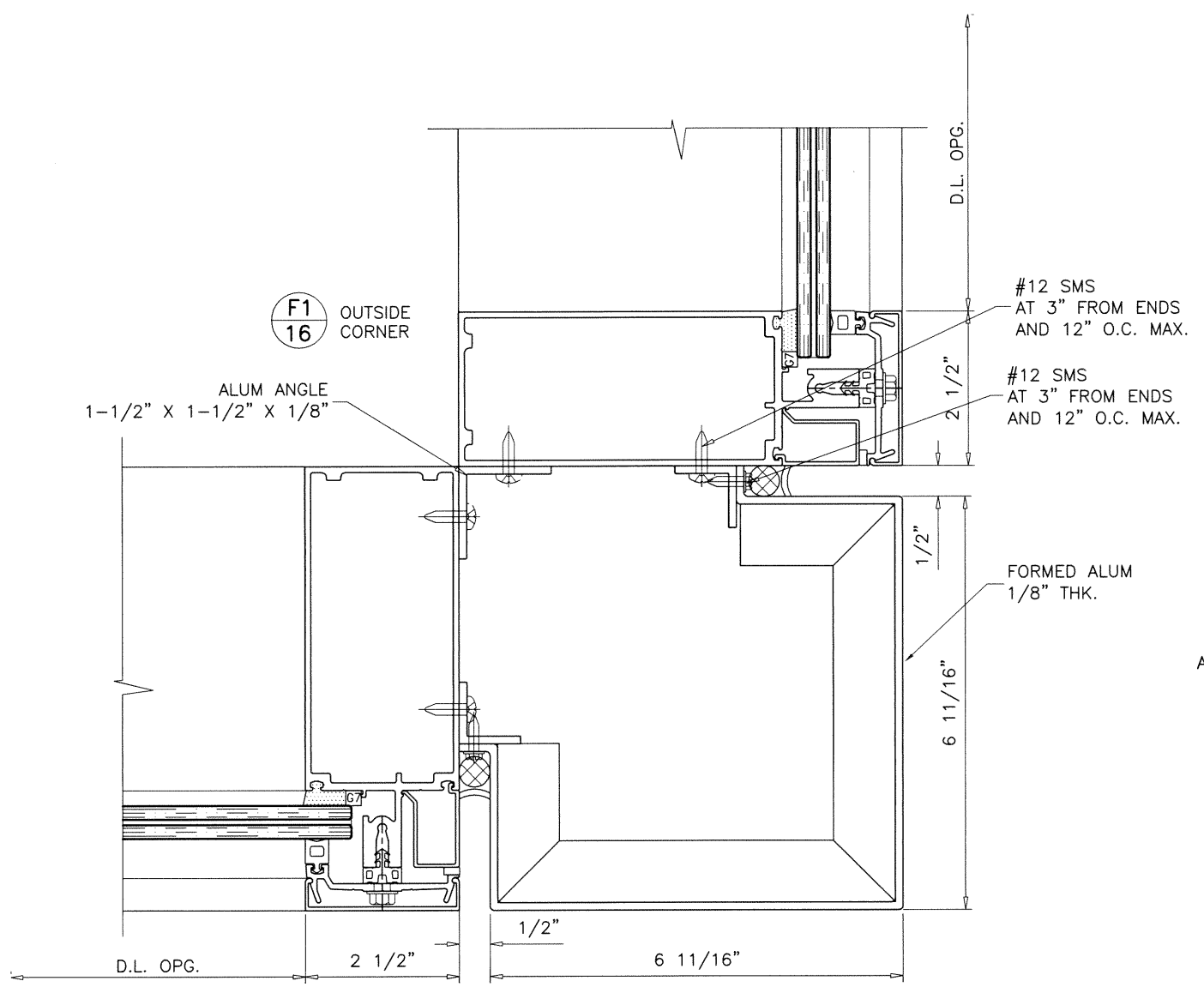
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AL-FAROOQ CORPORATION
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no	date	by	description

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

drawing no.
18-56F
sheet 15 of 30



F1
16
OUTSIDE
CORNER

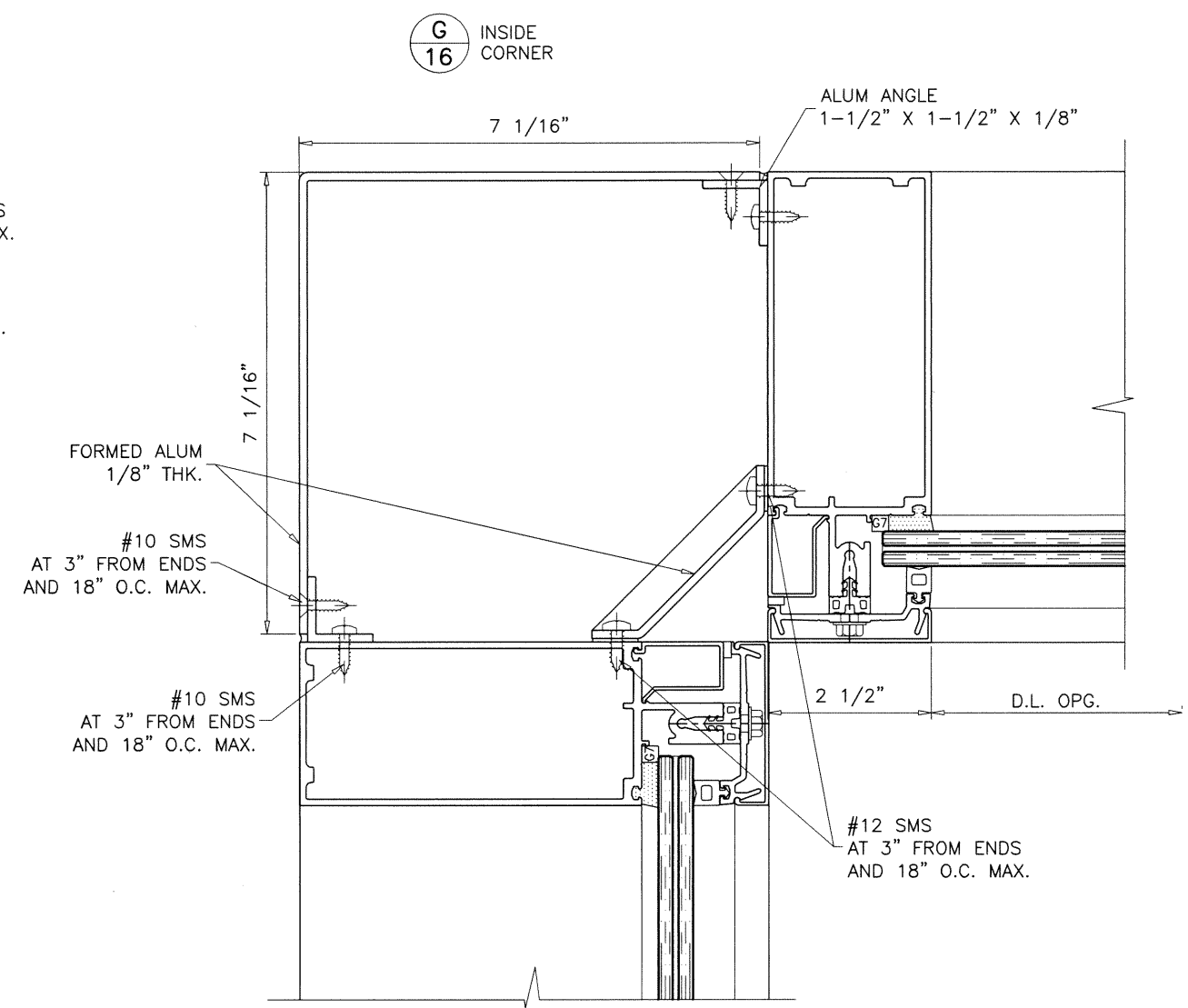
ALUM ANGLE
1-1/2" X 1-1/2" X 1/8"

#12 SMS
AT 3" FROM ENDS
AND 12" O.C. MAX.

#12 SMS
AT 3" FROM ENDS
AND 12" O.C. MAX.

FORMED ALUM
1/8" THK.

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



G
16
INSIDE
CORNER

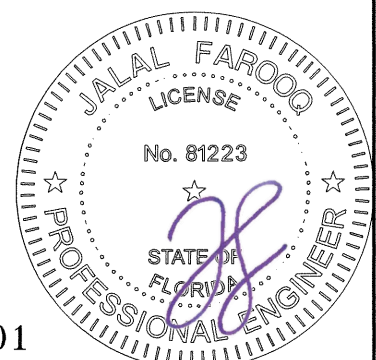
ALUM ANGLE
1-1/2" X 1-1/2" X 1/8"

#10 SMS
AT 3" FROM ENDS
AND 18" O.C. MAX.

#10 SMS
AT 3" FROM ENDS
AND 18" O.C. MAX.

#12 SMS
AT 3" FROM ENDS
AND 18" O.C. MAX.

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



Sealed: 1/25/2021
FL #27101

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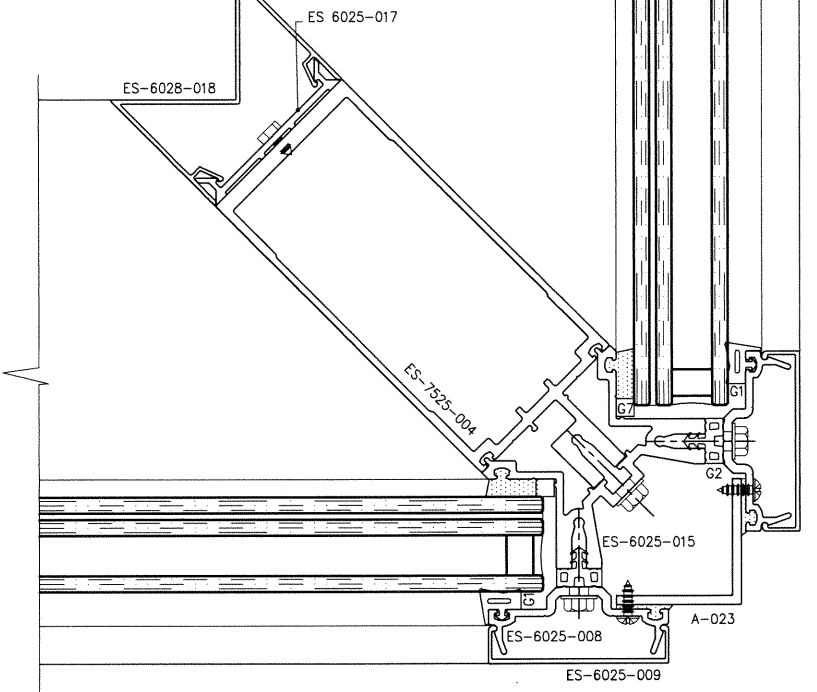
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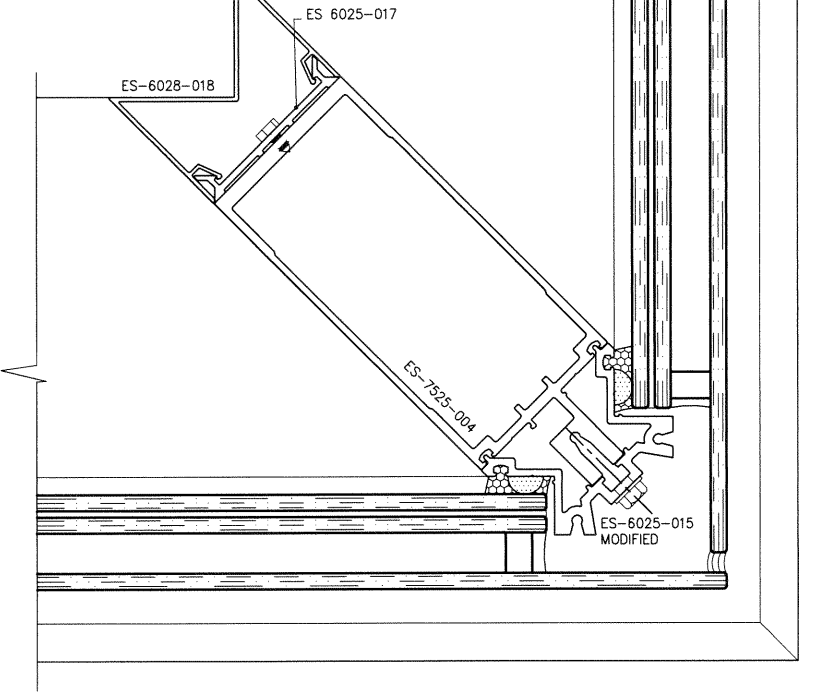
drawing no.
18-56F

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

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

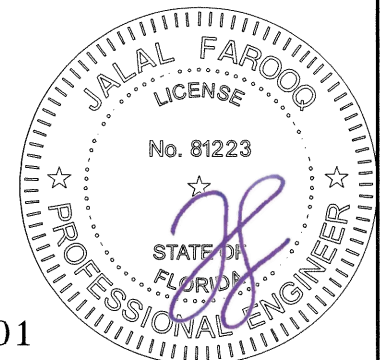
(2) #12 x 1/2"
PHSMS TYPE AB

CORNER MULLION ANCHORS
HEAD/SILL
DETAIL '7'

CORNER MULLION ANCHORS
FRONT VIEW

Sealed: 1/25/2021

FL #27101



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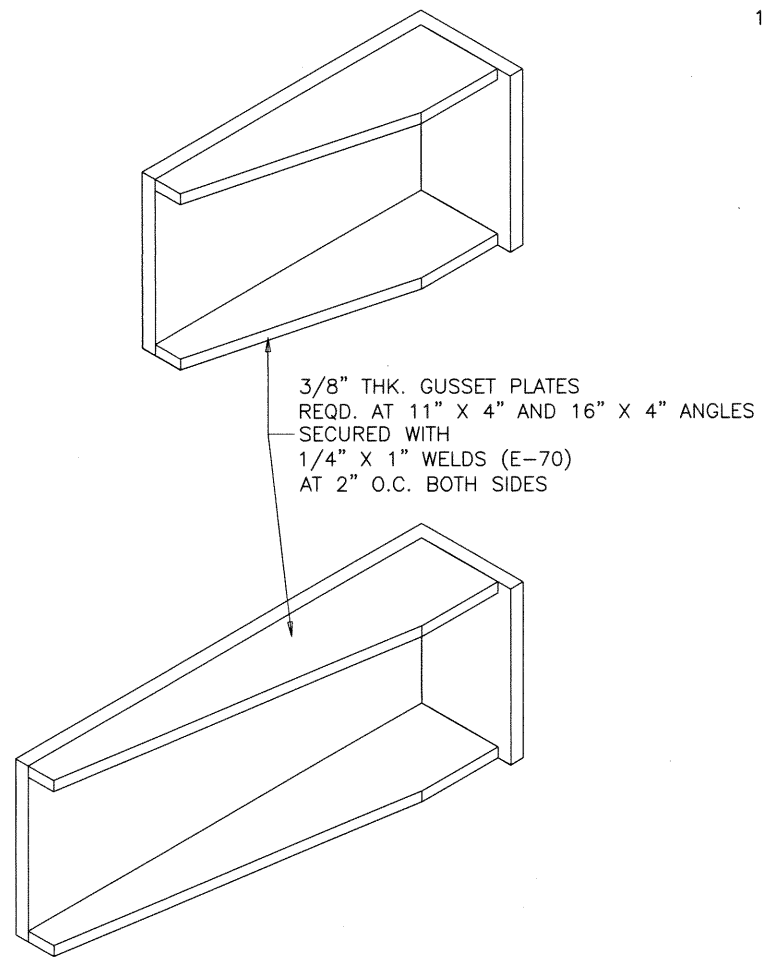
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
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revisions:	no	date	by	description

date: 05-08-18
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chk. by:

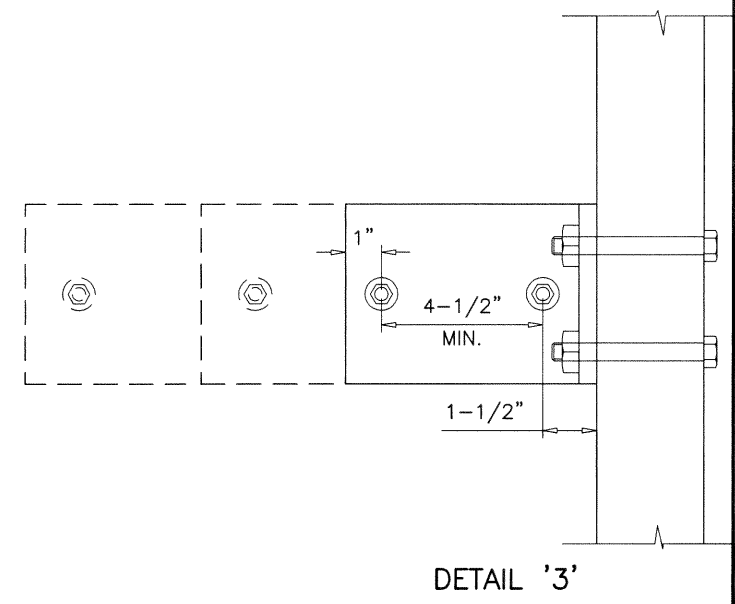
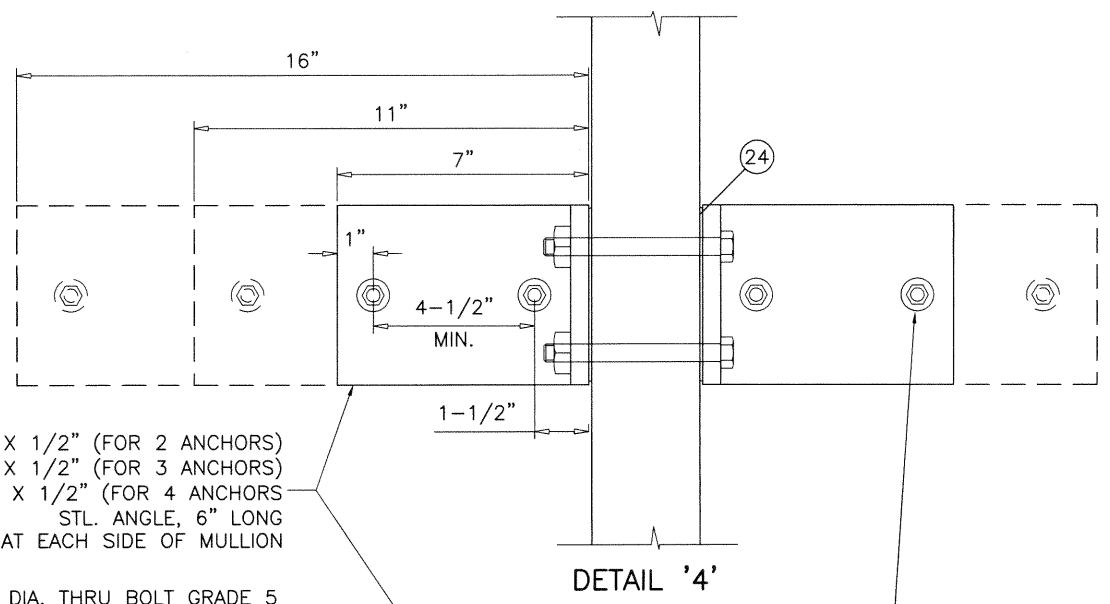
drawing no.
18-56F

sheet 17 of 30

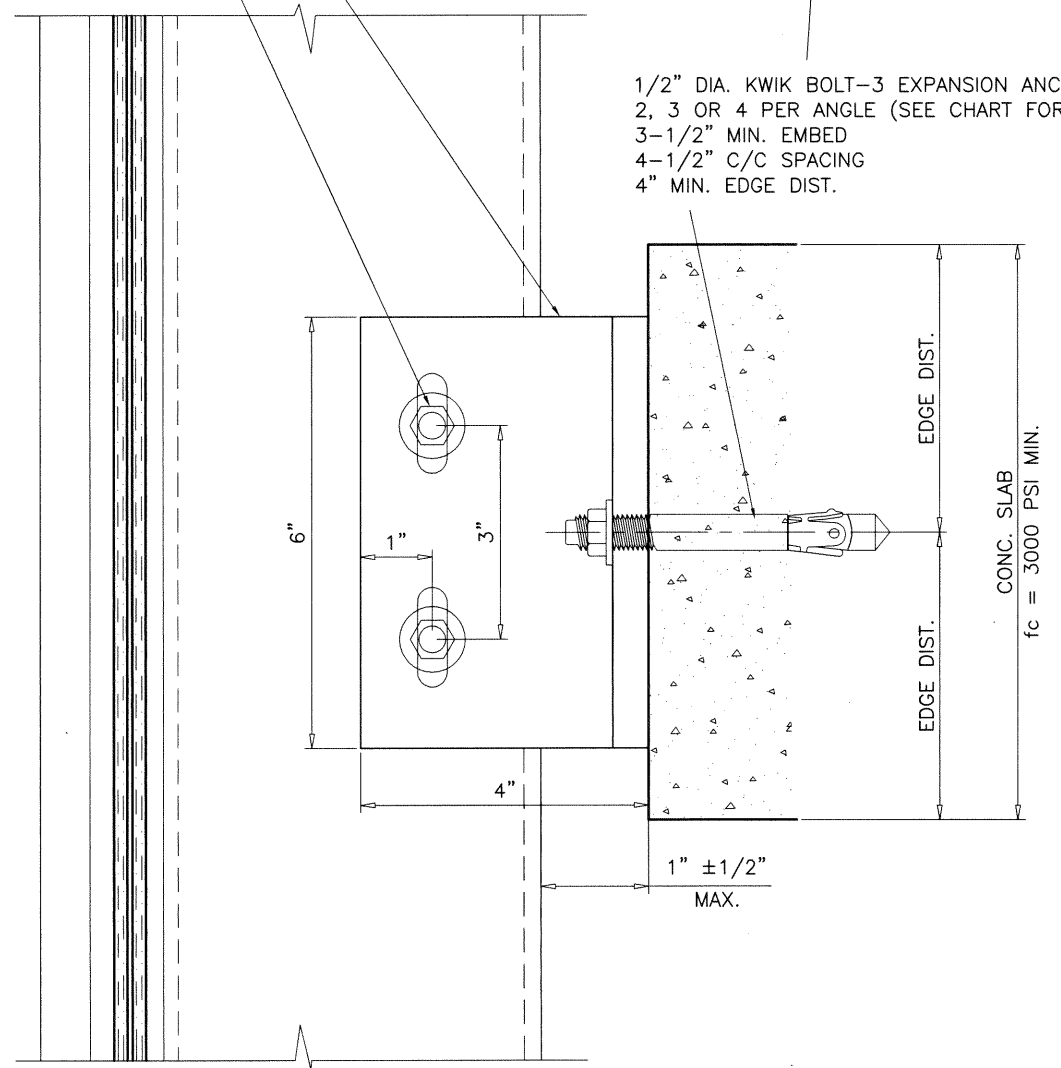


7 X 4 X 1/2" (FOR 2 ANCHORS)
 11 X 4 X 1/2" (FOR 3 ANCHORS)
 16 X 4 X 1/2" (FOR 4 ANCHORS)
 STL. ANGLE, 6" LONG
 AT EACH SIDE OF MULLION

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



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.



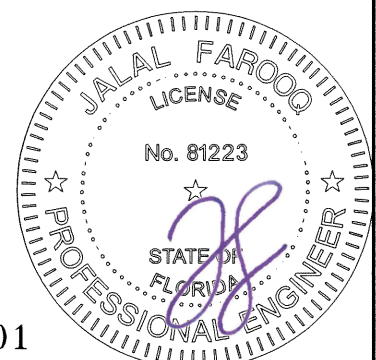
INTERMEDIATE ANCHORS
 DETAIL '4' AT CENTER MULLION
 DETAIL '3' AT JAMB MULLION
ANCHORS INTO CONCRETE

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.

ALL ANGLES AND PLATES
 TO BE A-36 STEEL
 $F_y = 36 \text{ KSI MIN.}$

WIND LOAD ANCHOR



Sealed: 1/25/2021
 FL #27101

no	date	description

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

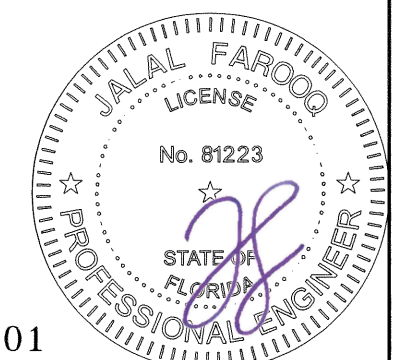
MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)				
NOMINAL DIMS.		(2) 1/2" DIA. KWIK BOLT	(3) 1/2" DIA. KWIK BOLT	(4) 1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT			
36"	90"	130.0	130.0	130.0
42"		130.0	130.0	130.0
48"		130.0	130.0	130.0
54"		120.0	120.0	120.0
60"		108.0	120.0	120.0
66"		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. KWIK BOLT	(3) 1/2" DIA. KWIK BOLT	(4) 1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT			
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. KWIK BOLT	(3) 1/2" DIA. KWIK BOLT	(4) 1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT			
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
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
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
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
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
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
42"		77.2	115.7	130.0
48"		67.5	101.3	130.0
54"		60.0	90.0	120.0
60"		54.0	81.0	108.0
36"		184-1/8"	88.0	-
42"	75.0		-	-
48"	66.0		-	-
54"	59.0		-	-
60"	53.0		-	-
36"	192"		84.0	-
42"		72.0	-	-
48"		63.0	-	-
54"		56.0	-	-
60"		51.0	-	-
36"		196-3/4"	82.0	-
42"	71.0		-	-
48"	62.0		-	-
54"	55.0		-	-
60"	49.0		-	-

SEE SHEET 18 FOR WIND LOAD ANCHOR DETAILS

WIND LOAD ANCHOR



Sealed: 1/25/2021
FL #27101

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

no	date	by	description

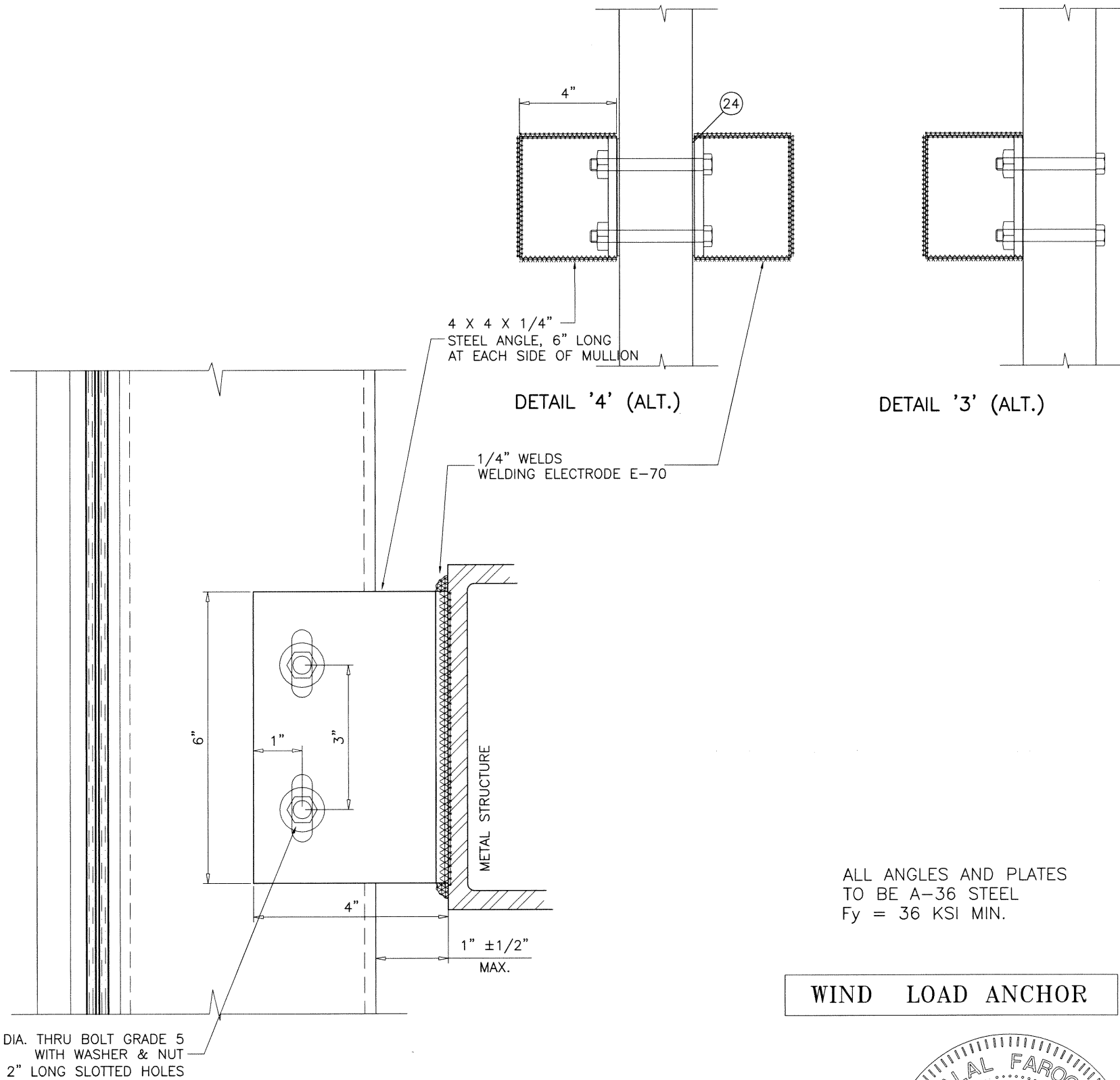
date: 05-08-18
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
18-56F
 sheet 18.1 of 30

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

EXTERIOR

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



INTERMEDIATE ANCHORS
 DETAIL '4' ALT. AT CENTER MULLION
 DETAIL '3' ALT. AT JAMB MULLION

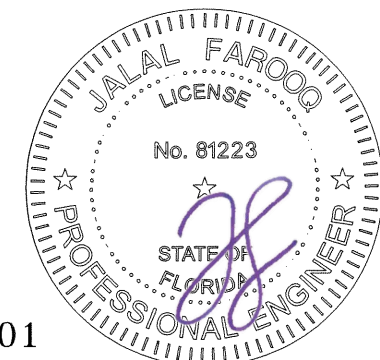
METAL STRUCTURES
 COMMERCIAL STEEL - 1/4" MIN. THICKNESS

WIND LOAD ANCHOR

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

Sealed: 1/25/2021

FL #27101



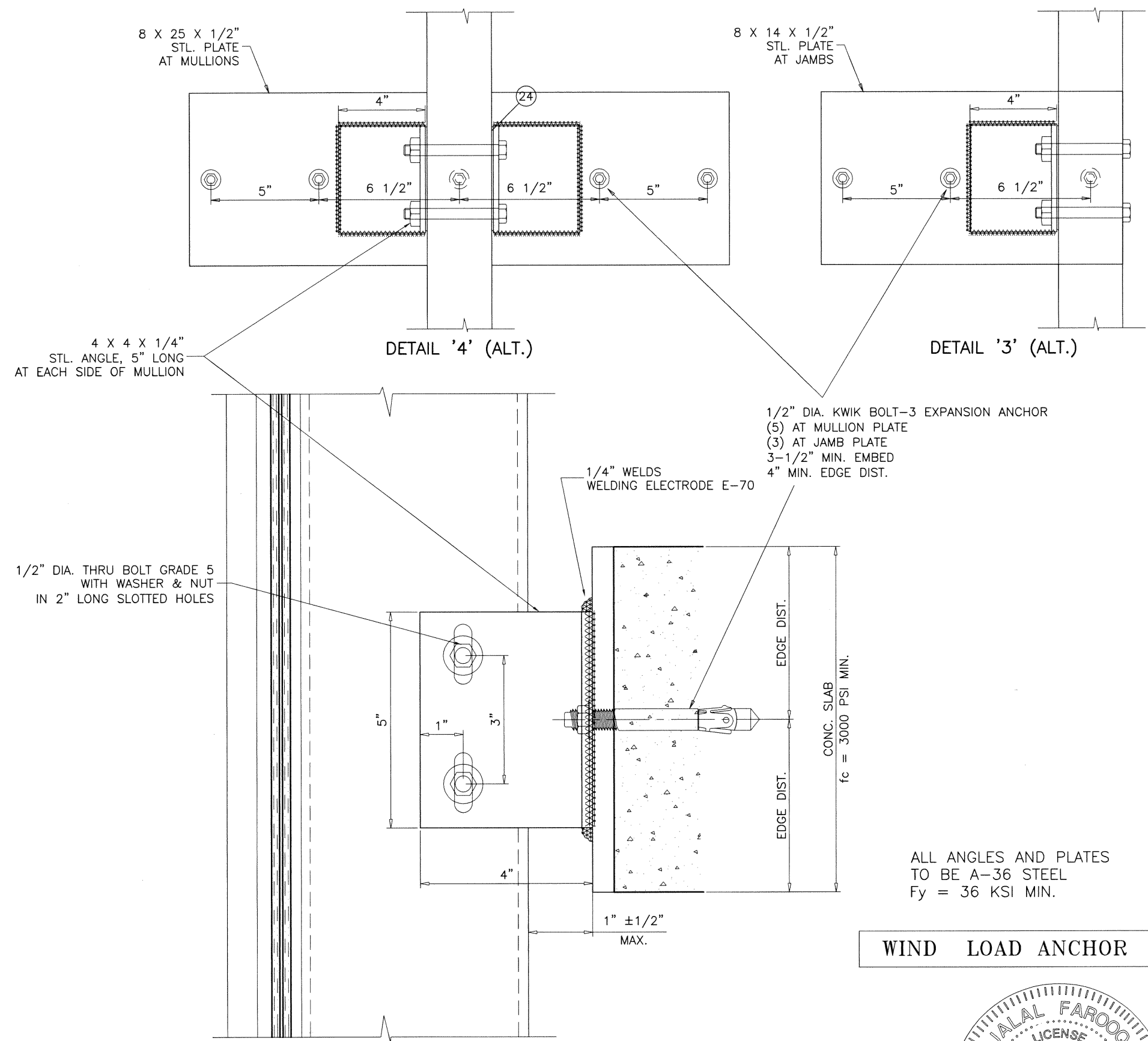
no	date	by	description

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

drawing no.
18-56F
 sheet 19 of 30

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
 8051 N.W. 79th Place
 Medley, FL. 33166
 Tel. (305) 764-3963 Fax. (305) 470-8285

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



SEE SHEET 20.1 FOR ANCHOR CAPACITIES

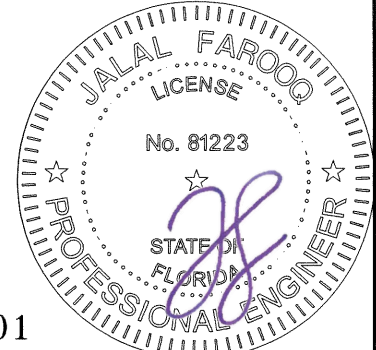
NOTE:
 FOR SLABS LESS THAN 8 INCHES IN THICKNESS
 ANCHORS TO BE DESIGNED ON JOB TO JOB BASIS.
 THE DESIGN TO BE REVIEWED BY AUTHORITY HAVING
 JURISDICTION.

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

WIND LOAD ANCHOR

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

Sealed: 1/25/2021
 FL #27101



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

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
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 8051 N.W. 79th Place
 Medley, FL. 33166
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no	date	description

revisions:

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

drawing no.
18-56F

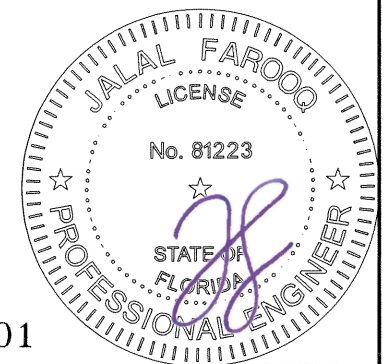
sheet 20 of 30

MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)		
NOMINAL DIMS.		1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT	
36"	90"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
66"		120.0
72"		120.0
78"		111.4
84"		103.5
90"		96.6
36"	96"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
66"		120.0
72"		113.2
78"		104.5
84"		97.0
90"		90.5
36"	102"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		127.8
66"		116.2
72"		106.5
78"		98.3
84"		91.3
90"		85.2
36"	108"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		120.7
66"		109.7
72"	100.6	
78"	92.9	
84"	86.2	
90"	80.5	
36"	114"	130.0
42"		130.0
48"		130.0
54"		127.1
60"		114.4
66"		104.0
72"	95.3	
78"	88.0	
84"	81.7	
90"	76.2	

MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)		
NOMINAL DIMS.		1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT	
36"	120"	130.0
42"		130.0
48"		130.0
54"		120.7
60"		108.6
66"		98.8
72"		90.5
78"		83.6
84"		77.6
90"		72.4
36"	126"	130.0
42"		130.0
48"		129.3
54"		115.0
60"		103.5
66"		94.1
72"		86.2
78"		79.6
84"		73.9
90"		69.0
36"	130"	130.0
42"		130.0
48"		125.4
54"		111.4
60"		100.3
66"		91.2
72"		83.6
78"		77.1
84"		71.6
90"		66.9
36"	132"	130.0
42"		130.0
48"		123.5
54"		109.7
60"		98.8
66"		130.0
72"	130.0	
78"	118.1	
84"	105.0	
90"	94.5	
36"	144"	130.0
42"		129.3
48"		113.2
54"		100.6
60"		90.5
66"		119.0
72"	119.0	
78"	111.0	
84"	99.0	
90"	89.0	

MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)		
NOMINAL DIMS.		1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT	
36"	150"	130.0
42"		124.2
48"		108.6
54"		96.6
60"		86.9
66"		130.0
72"	119.4	
78"	104.5	
84"	92.9	
90"	83.6	
36"	156"	130.0
42"		119.4
48"		104.5
54"		92.9
60"		83.6
66"		119.0
72"	117.0	
78"	102.0	
84"	91.0	
90"	82.0	
36"	159"	129.3
42"		110.9
48"		97.0
54"		86.2
60"		78.0
66"		120.7
72"	103.5	
78"	90.5	
84"	80.5	
90"	72.0	
36"	168"	118.0
42"		101.0
48"		89.0
54"		79.0
60"		71.0
66"		113.0
72"	97.0	
78"	85.0	
84"	75.0	
90"	68.0	
36"	180"	110.0
42"		95.0
48"		83.0
54"		74.0
60"		66.0
66"		118.0
72"	101.0	
78"	89.0	
84"	79.0	
90"	71.0	
36"	184-1/8"	118.0
42"		101.0
48"		89.0
54"		79.0
60"		71.0
66"		113.0
72"	97.0	
78"	85.0	
84"	75.0	
90"	68.0	
36"	192"	110.0
42"		95.0
48"		83.0
54"		74.0
60"		66.0
66"		110.0
72"	95.0	
78"	83.0	
84"	74.0	
90"	66.0	
36"	196-3/4"	110.0
42"		95.0
48"		83.0
54"		74.0
60"		66.0

SEE SHEET 20 FOR WIND LOAD ANCHOR DETAILS



Sealed: 1/25/2021

FL #27101

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

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
 8051 N.W. 79th Place
 Medley, FL. 33166
 Tel. (305) 764-3963 Fax. (305) 470-8285

no	date	by	description

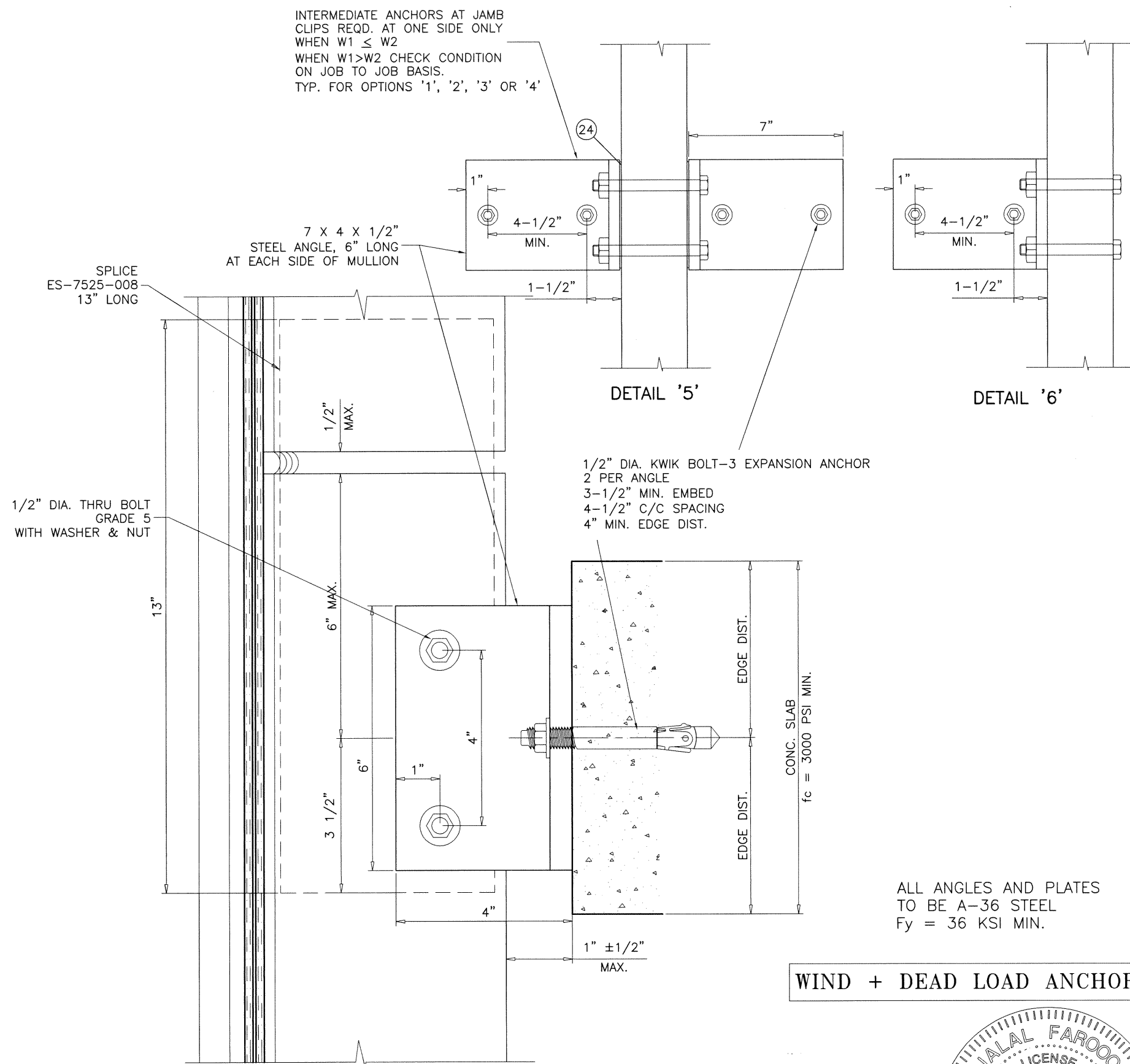
date: 05-08-18
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
18-56F
 sheet 20.1 of 30

MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)		
NOMINAL DIMS.		1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT	
36"	90"	130.0
42"		130.0
48"		116.3
54"		101.3
60"		89.3
36"	96"	130.0
42"		125.9
48"		107.9
54"		93.8
60"		82.5
36"	99-3/4"	130.0
42"		120.5
48"		103.1
54"		89.6
60"		78.7
36"	102"	130.0
42"		117.4
48"		100.4
54"		87.2
60"		76.6
36"	108"	130.0
42"		109.9
48"		93.8
54"		81.3
60"		71.3
36"	114"	123.4
42"		103.1
48"		87.9
54"		76.0
60"		66.5
36"	120"	116.3
42"		97.0
48"		82.5
54"		71.3
60"		62.3
36"	126"	109.9
42"		91.5
48"		77.7
54"		67.0
60"		58.4
36"	132"	104.0
42"		86.5
48"		73.3
54"		63.1
60"		54.9
36"	138"	98.7
42"		81.9
48"		69.3
54"		59.5
60"		51.7
36"	144"	93.8
42"		77.7
48"		65.7
54"		56.3
60"		48.8

MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)		
NOMINAL DIMS.		1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT	
36"	147"	91.5
42"		75.7
48"		63.9
54"		54.7
60"		47.4
36"	150"	89.3
42"		73.9
48"		62.3
54"		53.3
60"		46.1
36"	156"	85.1
42"		70.3
48"		59.2
54"		50.5
60"		43.6
36"	159"	83.2
42"		68.6
48"		57.7
54"		49.2
60"		42.4
36"	168"	77.7
42"		63.9
48"		53.6
54"		45.6
60"		42.0
36"	180"	71.3
42"		58.4
48"		48.8
54"		41.3
60"		35.3
36"	184-1/8"	69.3
42"		56.7
48"		47.3
54"		39.9
60"		34.1
36"	192"	65.7
42"		53.6
48"		44.6
54"		37.5
60"		31.9
36"	196-3/4"	63.6
42"		51.9
48"		43.0
54"		36.2
60"		30.7

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

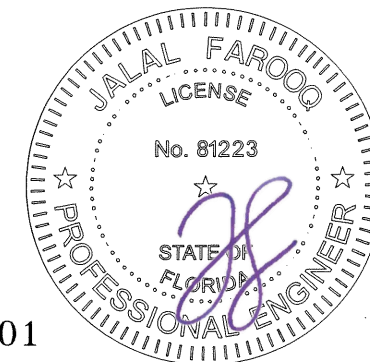


INTERMEDIATE ANCHORS
DETAIL '5' AT CENTER MULLION
DETAIL '6' AT JAMB MULLION
ANCHORS INTO CONCRETE

WIND + DEAD LOAD ANCHOR

Sealed: 1/25/2021

FL #27101



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

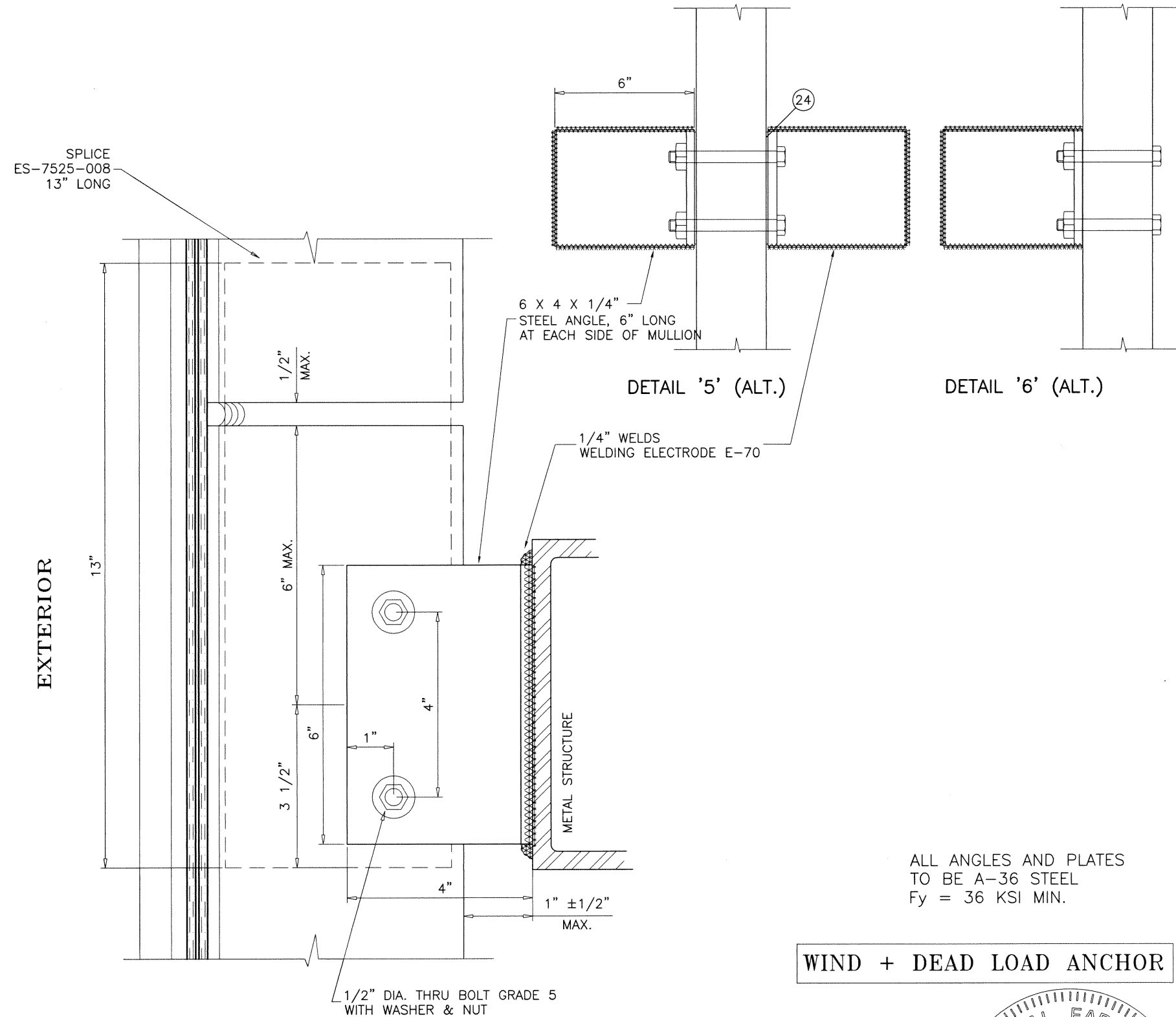
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	no	date	by	description

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

drawing no.
18-56F
sheet 21 of 30

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



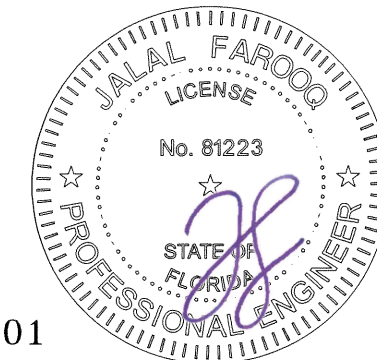
ALL ANGLES AND PLATES
 TO BE A-36 STEEL
 Fy = 36 KSI MIN.

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: 1/25/2021

FL #27101



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

no	date	by	description

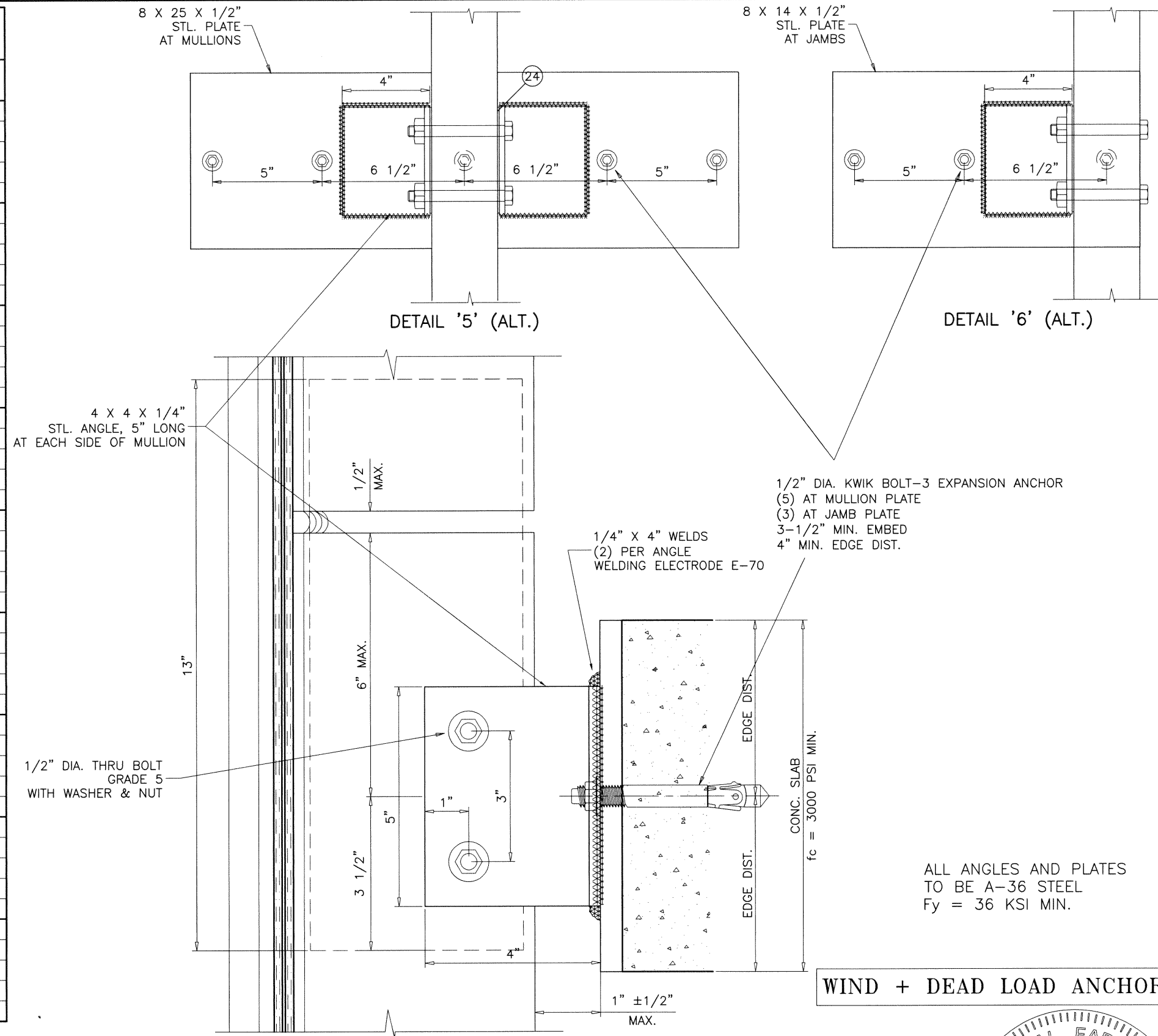
date: 05-08-18
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
18-56F
 sheet 22 of 30

MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)		
NOMINAL DIMS.		1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT	
36"	90"	130.0
42"		130.0
48"		130.0
54"		130.0
60"		116.3
36"	96"	130.0
42"		130.0
48"		130.0
54"		121.9
60"		107.9
36"	99-3/4"	130.0
42"		130.0
48"		130.0
54"		116.6
60"		103.1
36"	102"	130.0
42"		130.0
48"		130.0
54"		113.6
60"		100.4
36"	108"	130.0
42"		130.0
48"		121.9
54"		106.3
60"		93.8
36"	114"	130.0
42"		130.0
48"		114.5
54"		99.7
60"		87.9
36"	120"	130.0
42"		125.9
48"		107.9
54"		93.8
60"		82.5
36"	126"	130.0
42"		119.1
48"		101.8
54"		88.4
60"		77.7
36"	132"	130.0
42"		112.8
48"		96.3
54"		83.6
60"		73.3
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

MAX. DESIGN LOAD -PSF DUE TO ANCHOR CAPACITY EXT.(+) & INT.(-)		
NOMINAL DIMS.		1/2" DIA. KWIK BOLT
WIDTH (W)	FRAME HEIGHT	
36"	147"	119.1
42"		99.4
48"		84.6
54"		73.1
60"		63.9
36"	150"	116.3
42"		97.0
48"		82.5
54"		71.3
60"		62.3
36"	156"	111.1
42"		92.6
48"		78.6
54"		67.8
60"		59.2
36"	159"	108.7
42"		90.5
48"		76.8
54"		66.2
60"		57.7
36"	168"	101.8
42"		84.6
48"		71.7
54"		61.6
60"		57.0
36"	180"	93.8
42"		77.7
48"		65.7
54"		56.3
60"		48.8
36"	184-1/8"	91.3
42"		75.6
48"		63.8
54"		54.6
60"		47.3
36"	192"	86.8
42"		71.7
48"		60.4
54"		51.6
60"		44.6
36"	196-3/4"	84.2
42"		69.5
48"		58.5
54"		49.9
60"		43.0

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

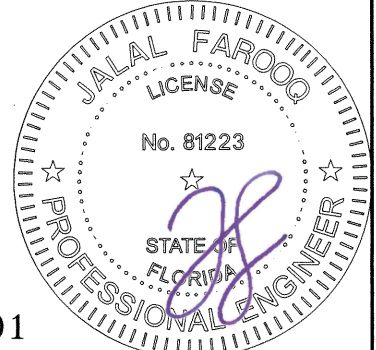


INTERMEDIATE ANCHORS
DETAIL '5' AT CENTER MULLION
DETAIL '6' AT JAMB MULLION
ANCHORS INTO CONCRETE

WIND + DEAD LOAD ANCHOR

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

Sealed: 1/25/2021
FL #27101



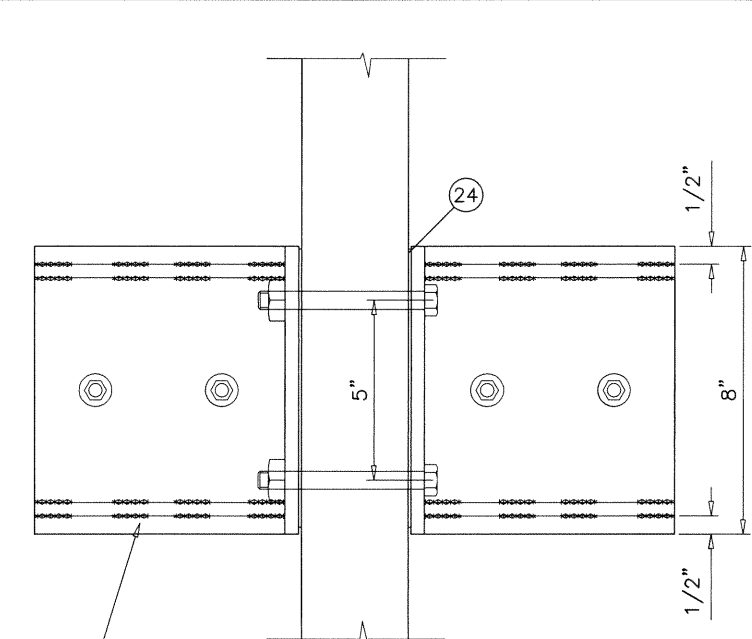
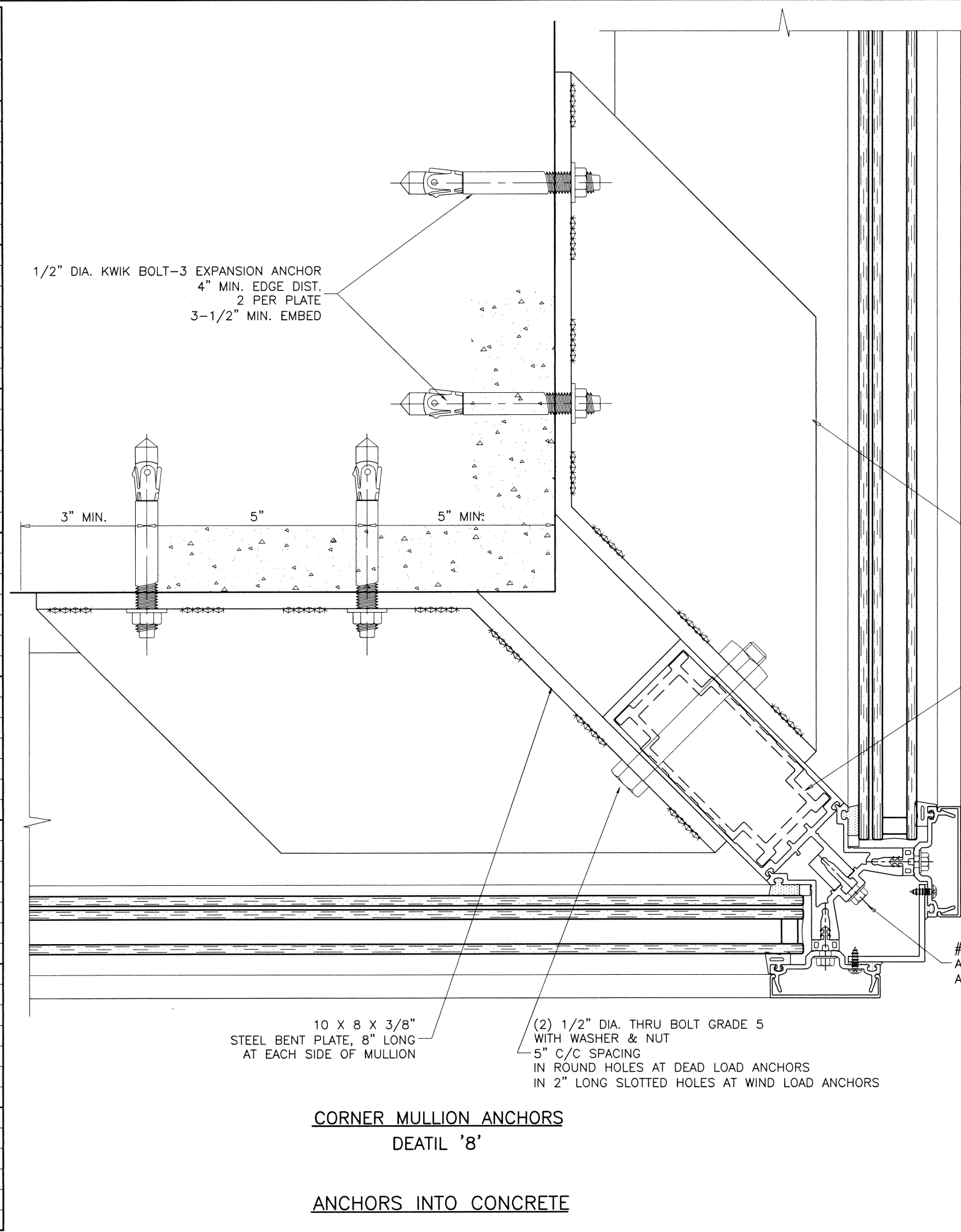
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

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

revisions:	no	date	by	description
date:	05-08-18	scale:	3/8" = 1"	
dr. by:	TARIQ	chk. by:		
drawing no.	18-56F			
sheet	23 of 30			

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



**CORNER MULLION
FRONT VIEW**

(2) 3/8" THK. GUSSET PLATES
ATTACHED TO BENT PLATE
W/ 1/4" X 1" WELDS AT 3" O.C. BOTH SIDES
WELDING ELECTRODE E-70

ALUM OR STEEL REINF.
48" LONG
AT ANCHOR LOCATION

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.

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

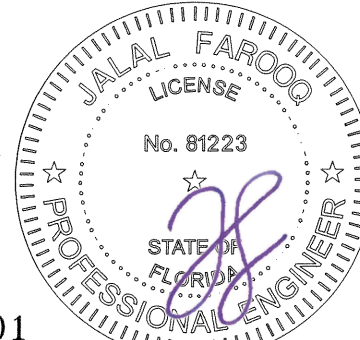
WIND LOAD ANCHOR
WIND + DEAD LOAD ANCHOR

10 X 8 X 3/8"
STEEL BENT PLATE, 8" LONG
AT EACH SIDE OF MULLION

(2) 1/2" DIA. THRU BOLT GRADE 5
WITH WASHER & NUT
5" C/C SPACING
IN ROUND HOLES AT DEAD LOAD ANCHORS
IN 2" LONG SLOTTED HOLES AT WIND LOAD ANCHORS

**CORNER MULLION ANCHORS
DEATIL '8'**
ANCHORS INTO CONCRETE

Sealed: 1/25/2021
FL #27101



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COMP-ANL 18-56F-MG

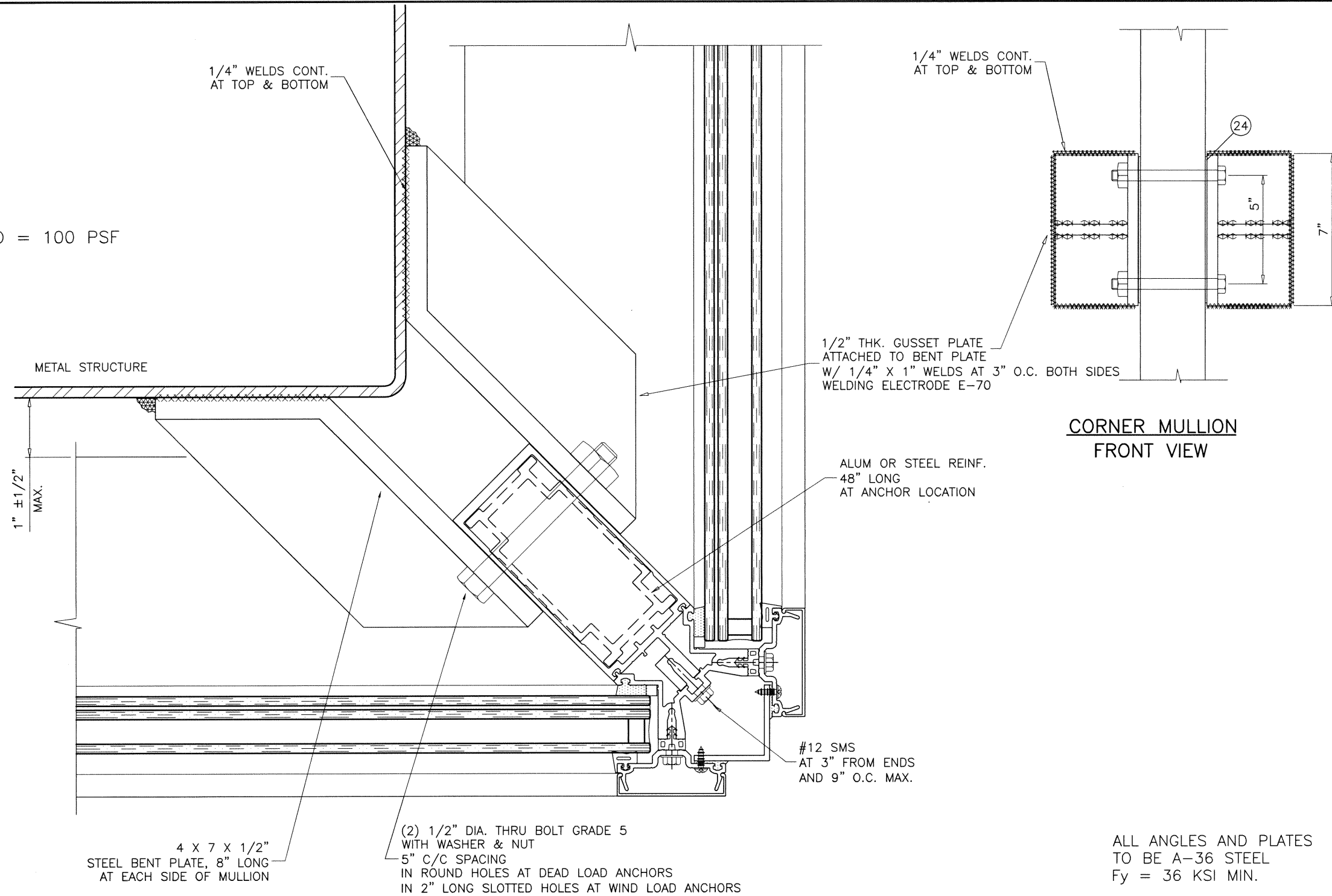
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

no	date	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



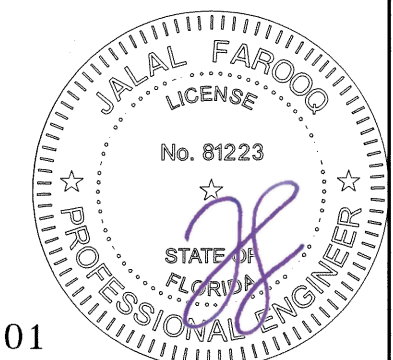
CORNER MULLION FRONT VIEW

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: 1/25/2021
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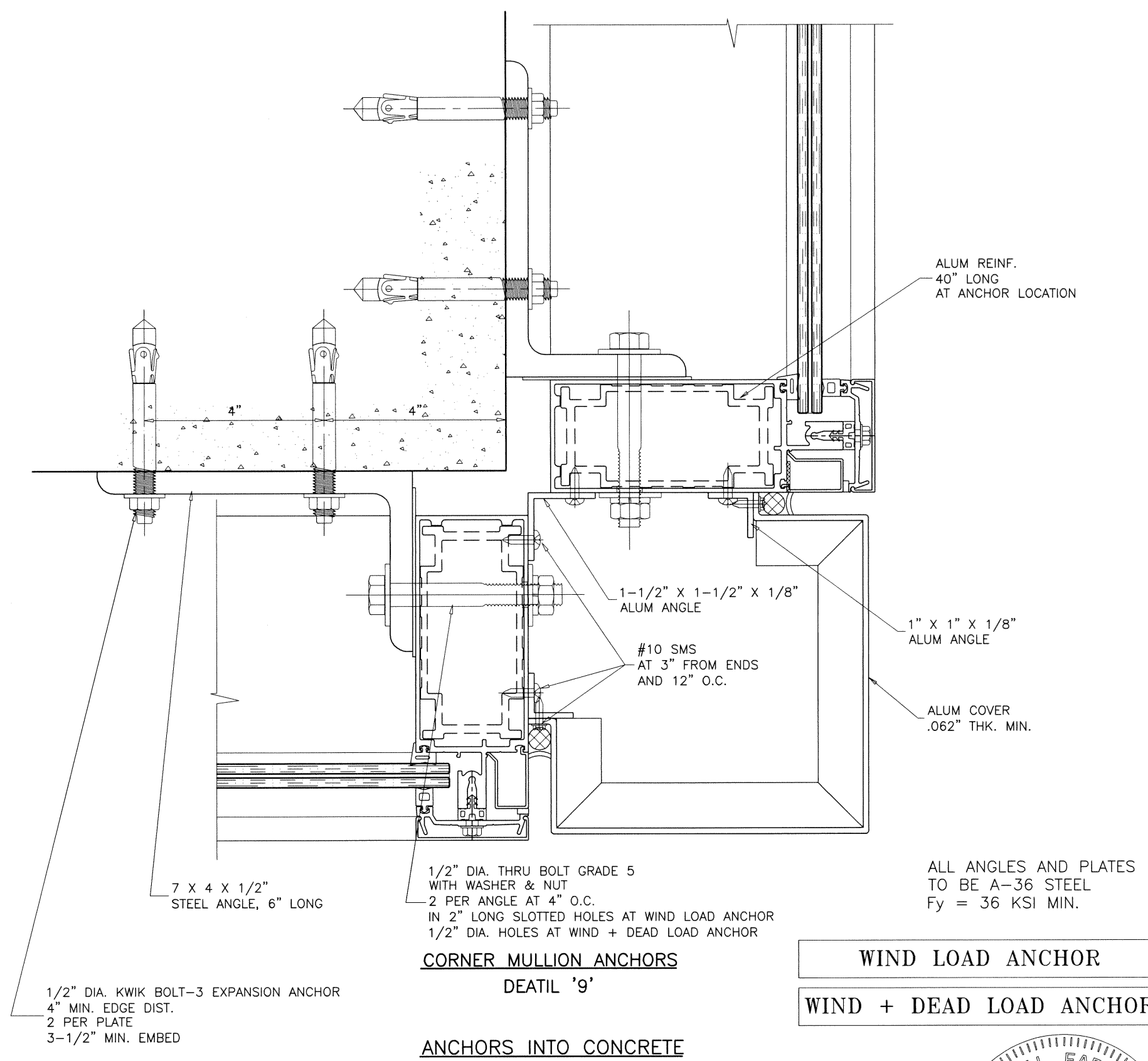
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
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no	date	by	description

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dr. by: TARIQ	chk. by:

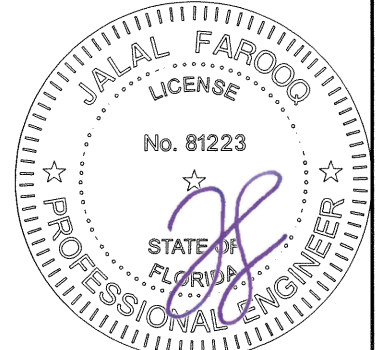
drawing no.
18-56F
 sheet 25 of 30

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



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

Sealed: 1/25/2021



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

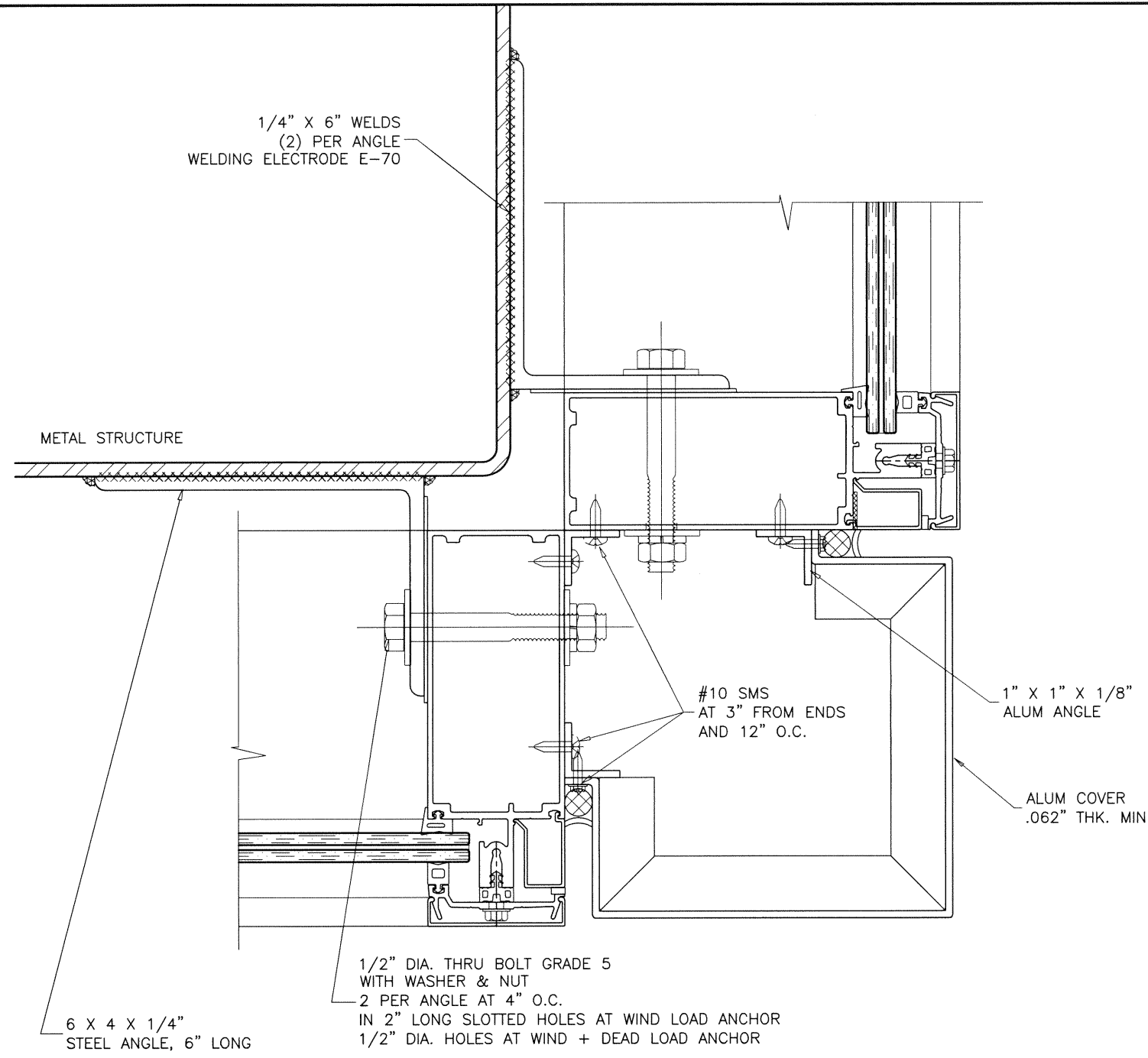
SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

no	date	description

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

drawing no.
18-56F
sheet 26 of 30

MAX. DESIGN LOAD = 100 PSF



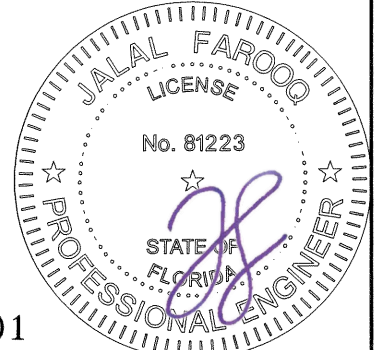
**CORNER MULLION ANCHORS
DETAIL '9' (ALT.)**

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

WIND LOAD ANCHOR

WIND + DEAD LOAD ANCHOR

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



Sealed: 1/25/2021
FL #27101

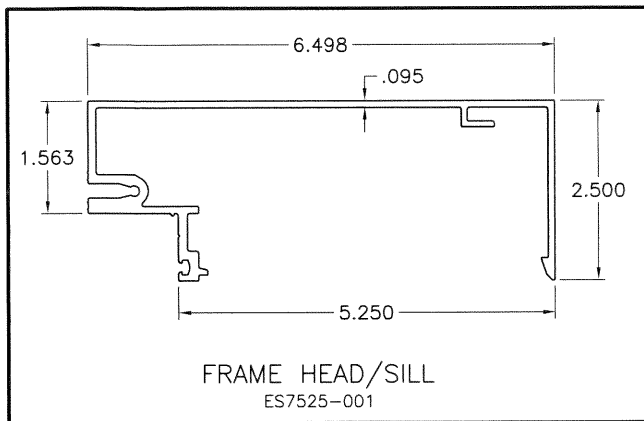
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AL-FAROOQ CORPORATION
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 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
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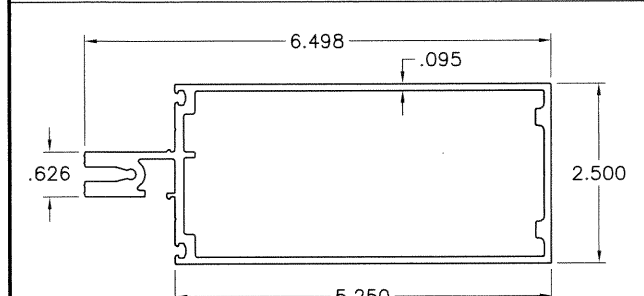
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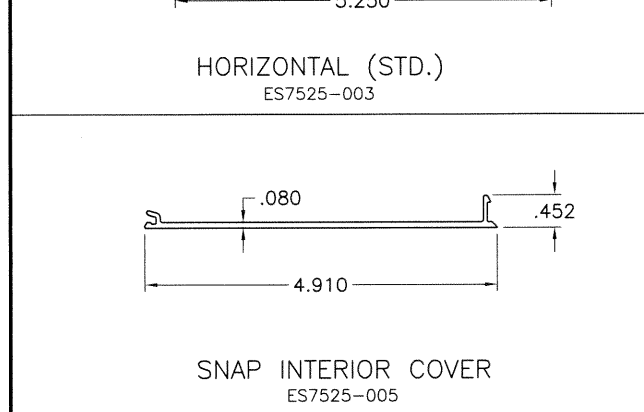
drawing no.
18-56F
sheet 27 of 30



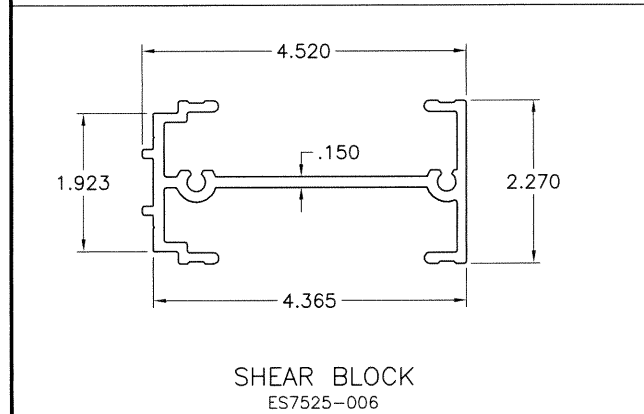
FRAME HEAD/SILL
ES7525-001



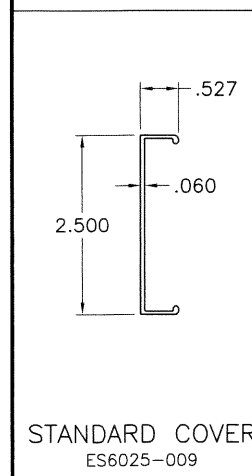
HORIZONTAL (STD.)
ES7525-003



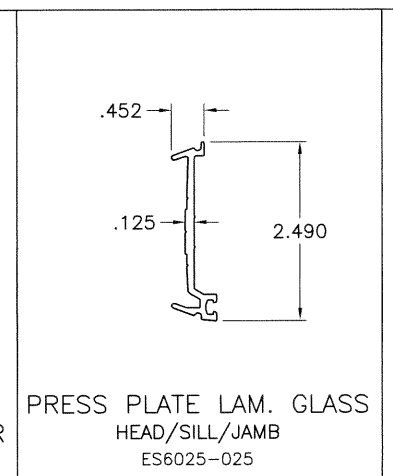
SNAP INTERIOR COVER
ES7525-005



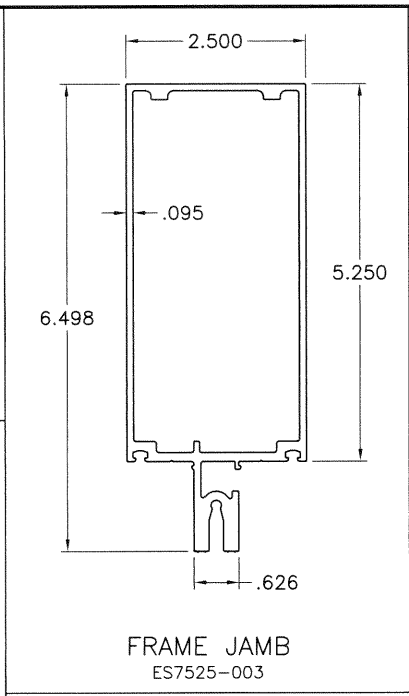
SHEAR BLOCK
ES7525-006



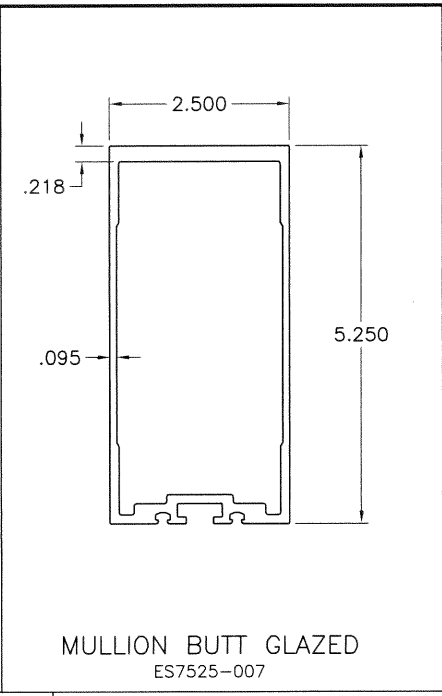
STANDARD COVER
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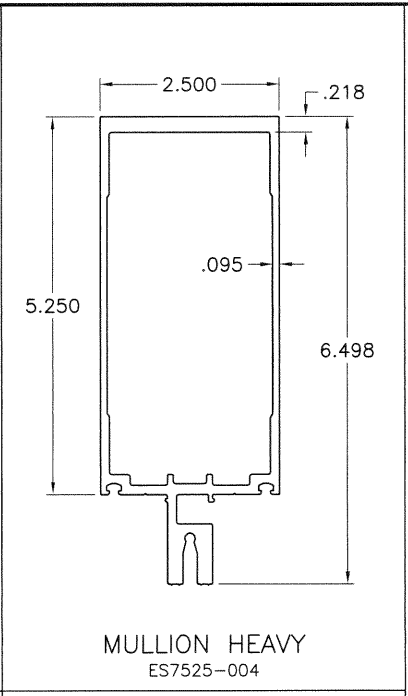
PRESS PLATE LAM. GLASS
HEAD/SILL/JAMB
ES6025-025



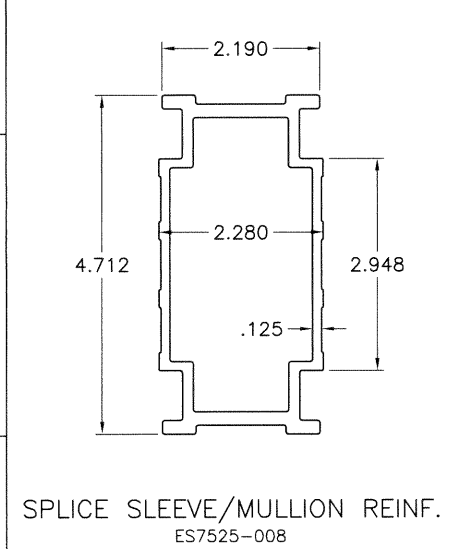
FRAME JAMB
ES7525-003



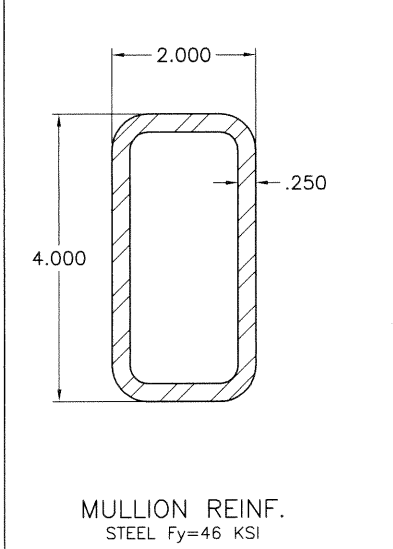
MULLION BUTT GLAZED
ES7525-007



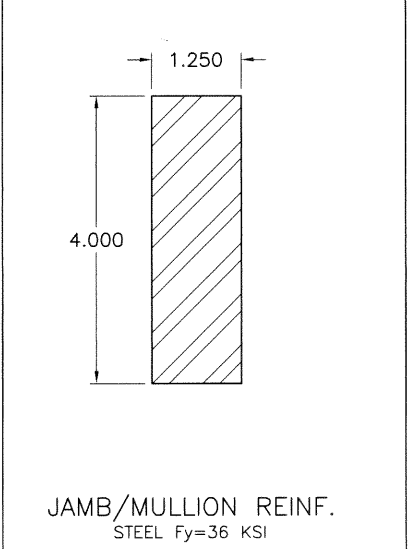
MULLION HEAVY
ES7525-004



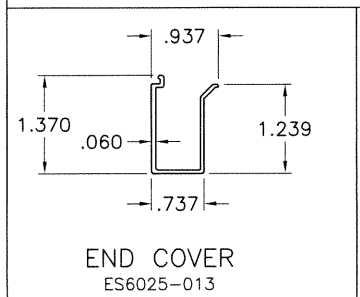
SPLICE SLEEVE/MULLION REINF.
ES7525-008



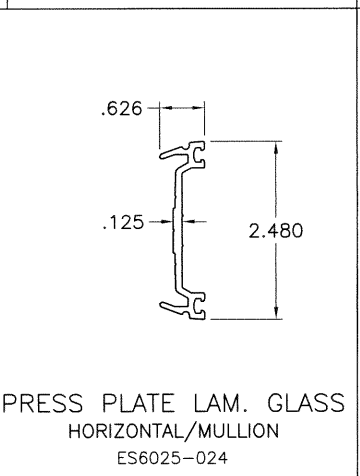
MULLION REINF.
STEEL Fy=46 KSI



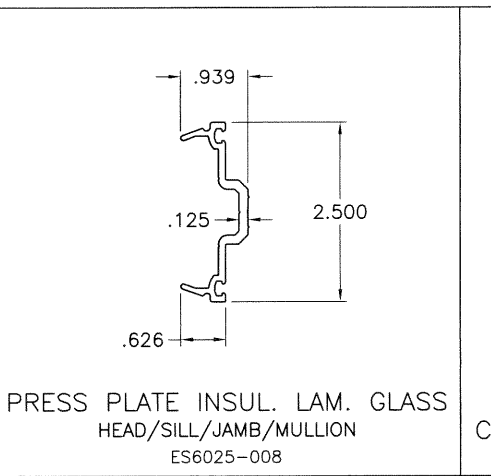
JAMB/MULLION REINF.
STEEL Fy=36 KSI



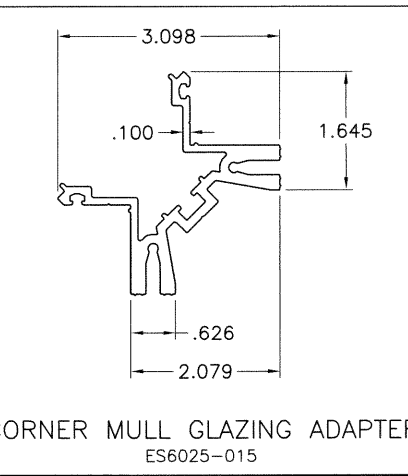
END COVER
ES6025-013



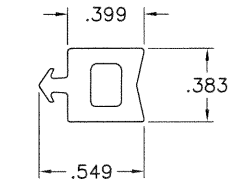
PRESS PLATE LAM. GLASS
HORIZONTAL/MULLION
ES6025-024



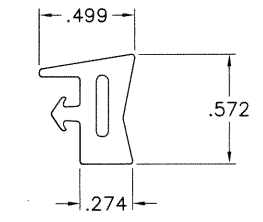
PRESS PLATE INSUL. LAM. GLASS
HEAD/SILL/JAMB/MULLION
ES6025-008



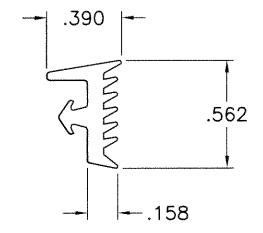
CORNER MULL GLAZING ADAPTER
ES6025-015



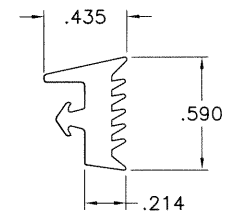
EXT. GLAZING GASKET
G6 (LAMINATED GLASS)



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



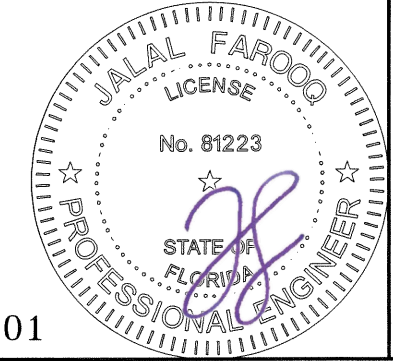
EXT. GLAZING GASKET
G2 (1-1/8" INSUL. LAM. GLASS)
ES-6025-G10



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

DENSE RUBBER EXTRUSIONS BY 'TREMCO'
SCALE 1:1

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



Sealed: 1/25/2021
FL #27101

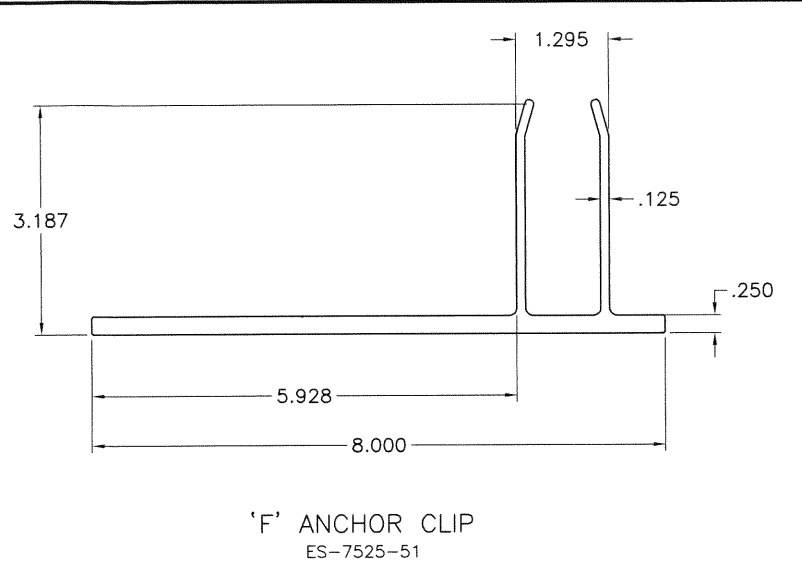
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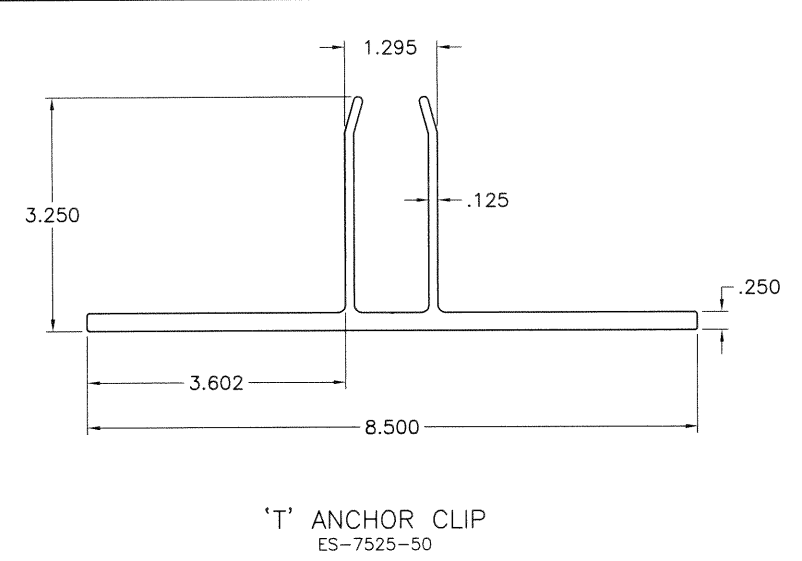
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date: 05-08-18	scale: 3/8" = 1"
dr. by: TARIQ	chk. by:

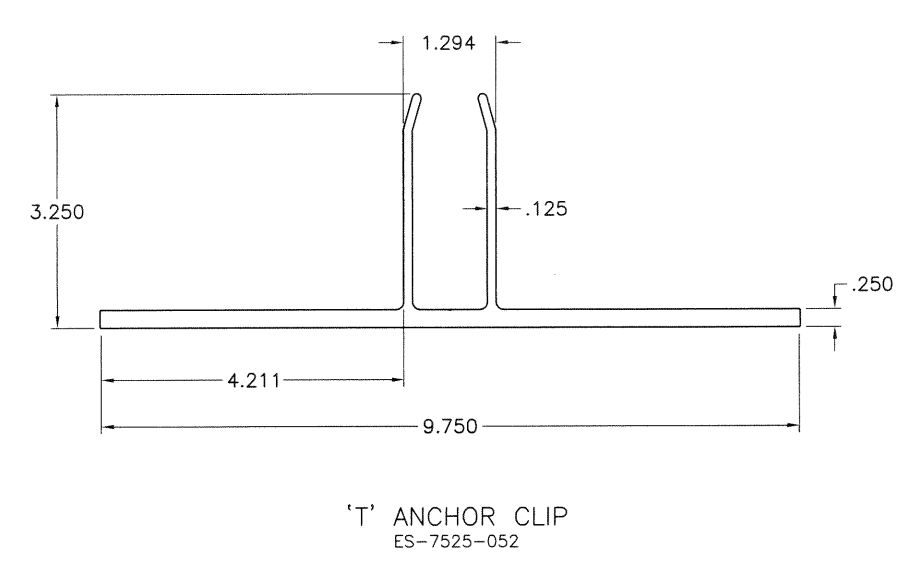
drawing no.
18-56F
sheet 28 of 30



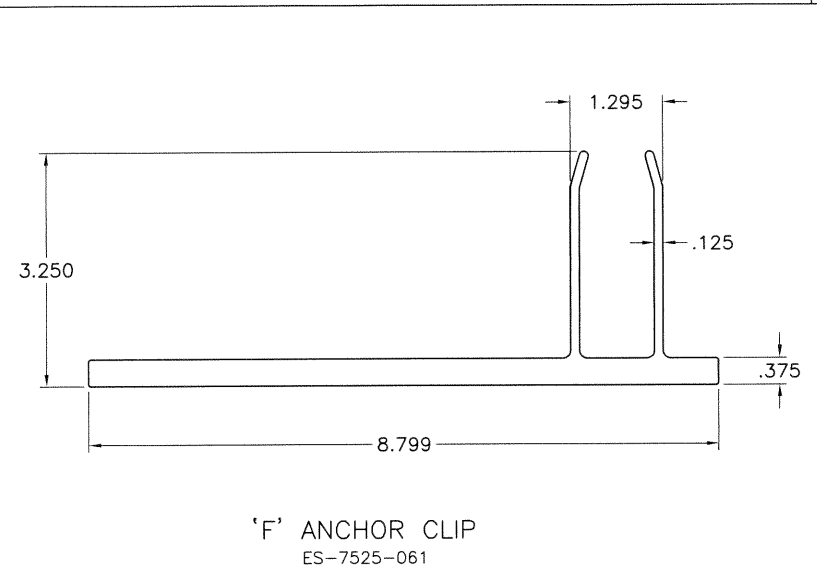
'F' ANCHOR CLIP
ES-7525-51



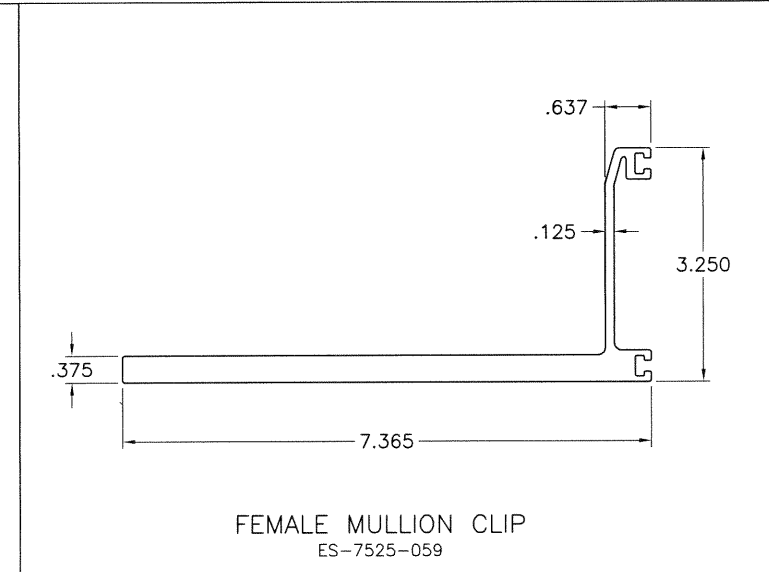
'T' ANCHOR CLIP
ES-7525-50



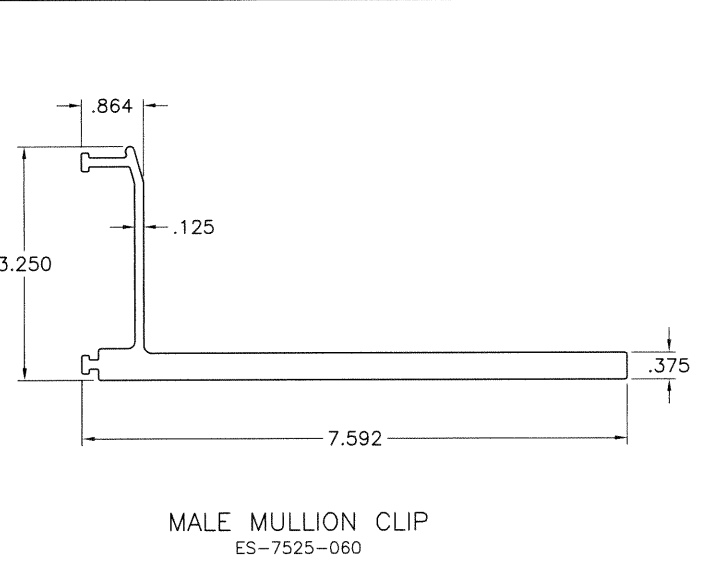
'T' ANCHOR CLIP
ES-7525-052



'F' ANCHOR CLIP
ES-7525-061



FEMALE MULLION CLIP
ES-7525-059



MALE MULLION CLIP
ES-7525-060

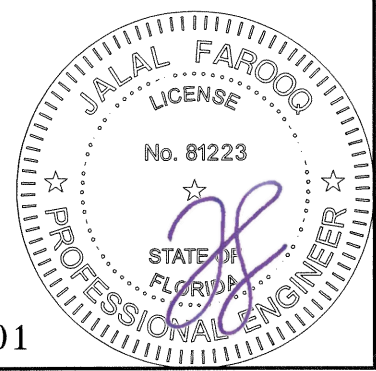
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AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
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 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL 18-56F-MG

SERIES MG-7000 ALUM CURTAIN WALL SYSTEM (L.M.I.)
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: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
18-56F
 sheet 28.1 of 30



Sealed: 1/25/2021
 FL #27101

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

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

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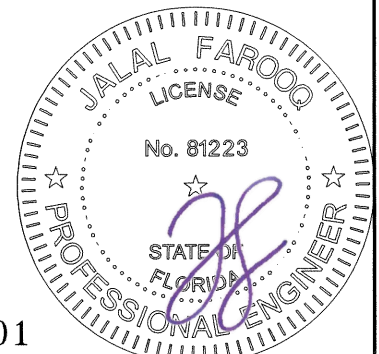
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