

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

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

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

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023/2026 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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

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

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

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 SHEETS 4 & 5 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 11.
- STEP 4** USING HEAD/SILL ANCHOR DETAILS ON SHEET 12 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** CHECK INTERMEDIATE ANCHOR CAPACITY FOR MULTIPLE SPANS USING CHARTS OR DETAILS ON SHEETS 17 THRU 21.
- 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	CURTAIN WALL ELEVATION (PRESSURE PLATE SYS.)
3	CURTAIN WALL ELEVATION (STRUCTURALLY GLAZED SYS.)
4 & 5	GLASS CAPACITY CHARTS
6	6-5/8" SYSTEM MULLION CAPACITY CHART
7 & 7.1	8-1/4" SYSTEM MULLION CAPACITY CHART
8 THRU 8.4	DOOR MULLION CAPACITY CHART
9	6-5/8" MULLION MULTIPLE SPAN CONDITION
9.1	8-1/4" MULLION MULTIPLE SPAN CONDITION
10	6-5/8" CORNER MULLION CAPACITY CHART
11	6-5/8" CORNER MULLION MULTIPLE SPAN CONDITION
12 THRU 12.2	HEAD/SILL ANCHOR CAPACITY CHART AND DETAILS
13 THRU 14.1	VERTICAL AND HORIZONTAL SECTION DETAILS
15 & 15.1	TRANSOM HORIZONTAL DETAILS AND CAPACITY CHART
16	CORNER MULLION DETAILS
17 THRU 19.1	WIND LOAD + DEAD LOAD ANCHOR DETAILS
20 & 21	WIND LOAD + DEAD LOAD CORNER MULLION ANCHOR DETAILS
22 THRU 22.3	EXTRUSION DETAILS
23	BILL OF MATERIALS
24	CORNER CONSTRUCTION DETAILS

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

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

LAMINATED GLASS
INSUL. LAM. GLASS
LARGE MISSILE IMPACT

Sealed: 9/25/2026

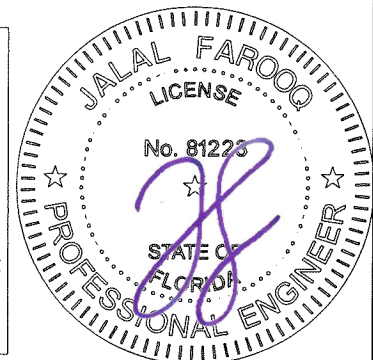
FL #16196

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.



SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

Glass Tech Engineering, Inc.

33321 N.W. 70th Street
Miami, FL. 33166

el. (305) 594-4321 Fax. (305) 599-2730

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\W17-76GTE

revisions:

date: 08-24-17

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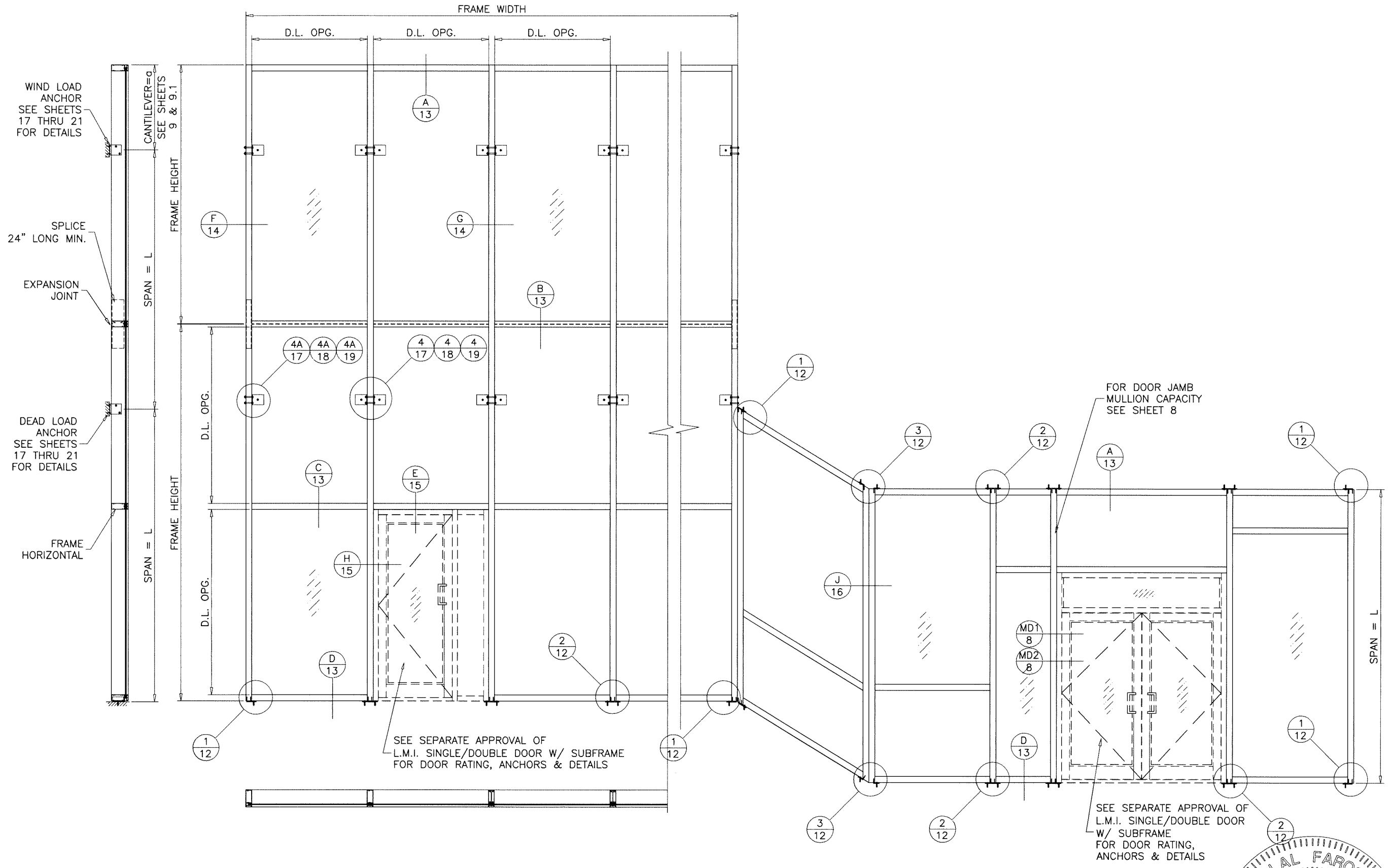
dr. by: TARIQ

chk. by:

drawing no.

W17-76

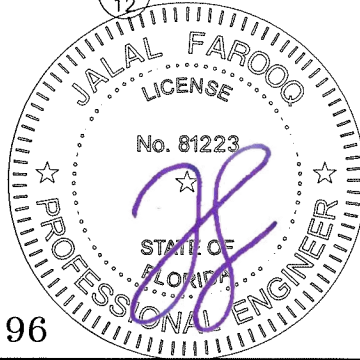
sheet 1 of 24



TYPICAL ELEVATION
PRESSURE PLATE SYSTEM

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revisions:	
no	description

date: 08-24-17

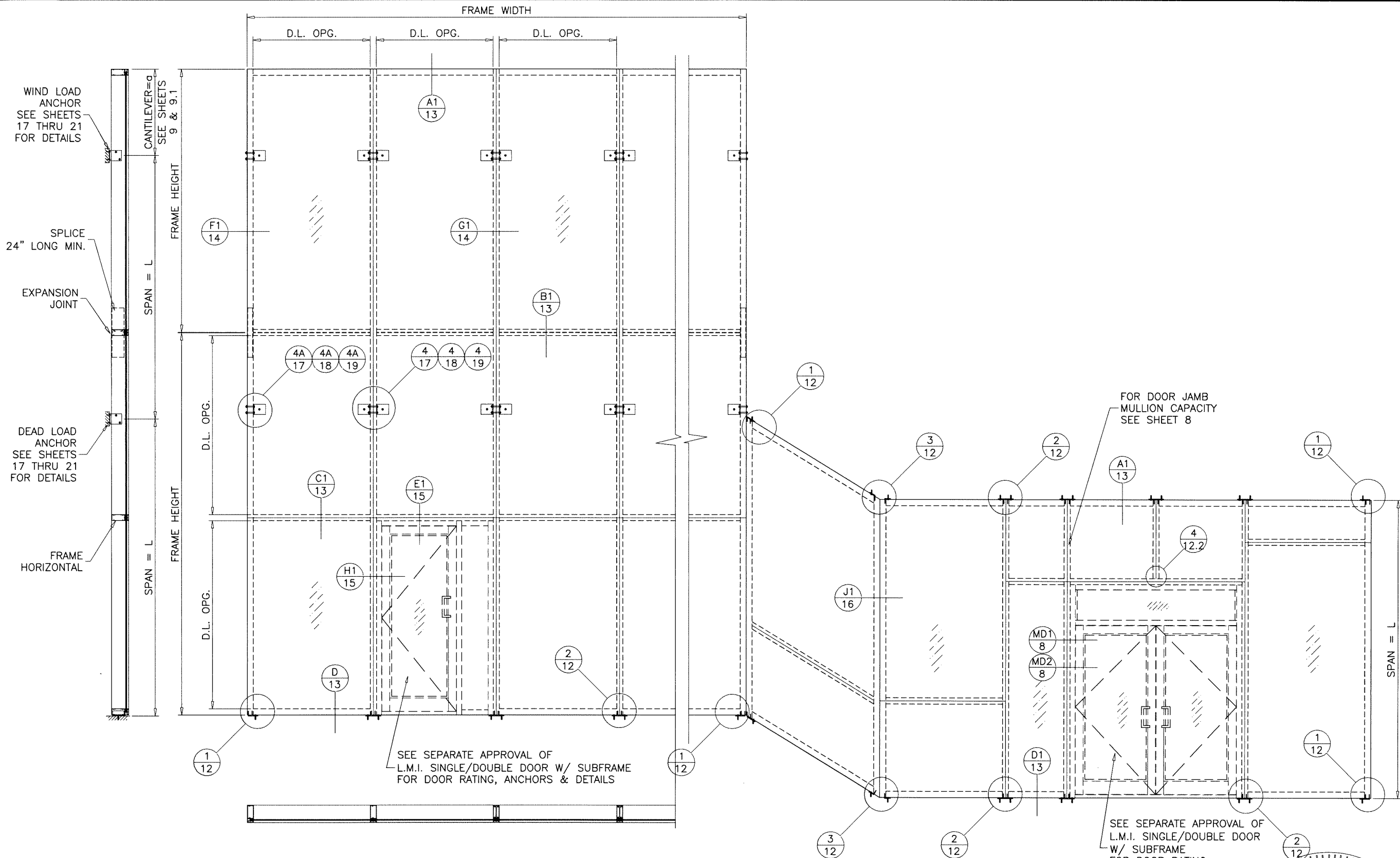
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chk. by:

drawing no.
W17-76

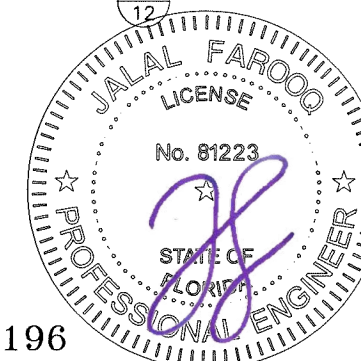
sheet **2** of **24**



TYPICAL ELEVATION
STRUCTURALLY GLAZED SYSTEM

Sealed: 9/25/2026

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revisions:	
no	by description

date: 08-24-17

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dr. by: TARIQ

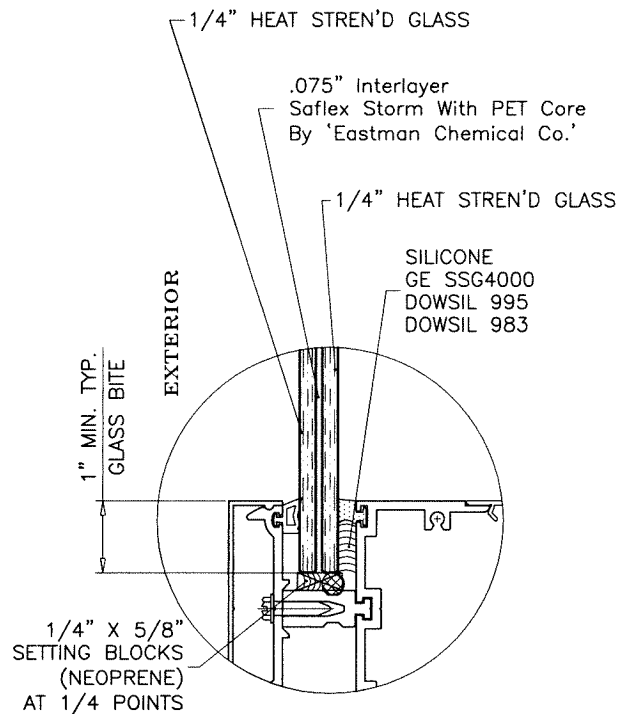
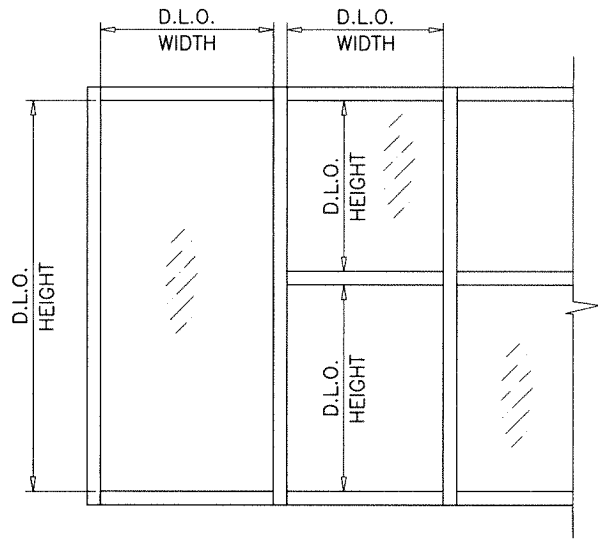
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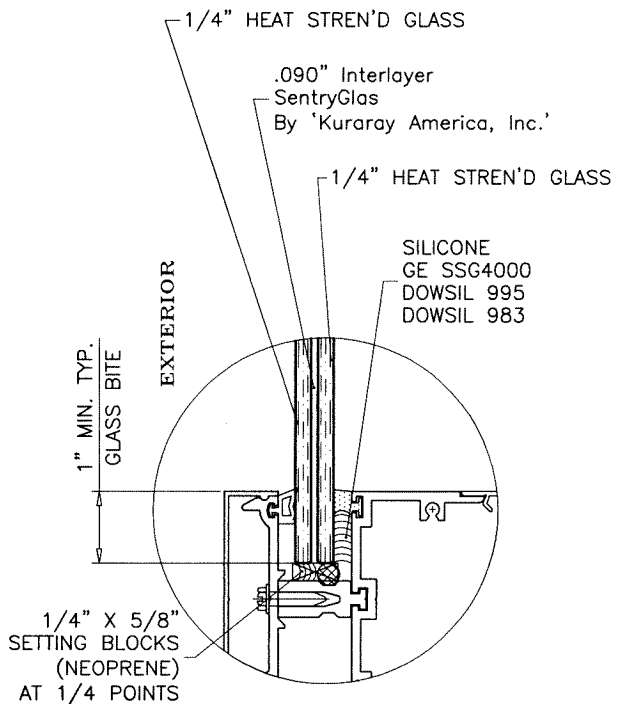
sheet **3** of **24**

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		GLASS TYPES 'A', 'B' & 'BB'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
36"	84"	145.0
39"		145.0
42"		145.0
45"		145.0
48"		145.0
51"		145.0
54"		140.2
57"		135.6
60"		136.0
63"		120.0
66"		120.0
36"	90"	145.0
39"		145.0
42"		145.0
45"		145.0
48"		144.4
51"		137.4
54"		131.9
57"		130.7
60"		120.0
63"		120.0
36"	96"	145.0
39"		145.0
42"		145.0
45"		144.7
48"		136.7
51"		129.7
54"		126.8
57"		120.0
60"		120.0
63"		120.0
36"	102"	145.0
39"		145.0
42"		145.0
45"		137.3
48"		129.4
51"		120.0
54"		118.5
60"		120.0
63"		120.0
66"		120.0
36"	108"	145.0
39"		145.0
42"		140.2
45"		131.1
48"		125.6
51"		117.7
60"		120.0
63"		120.0
66"		120.0
69"		120.0
36"	114"	145.0
39"		144.4
42"		134.9
45"		128.9
48"		119.5
60"		120.0
63"		120.0
66"		120.0
69"		120.0
72"		120.0

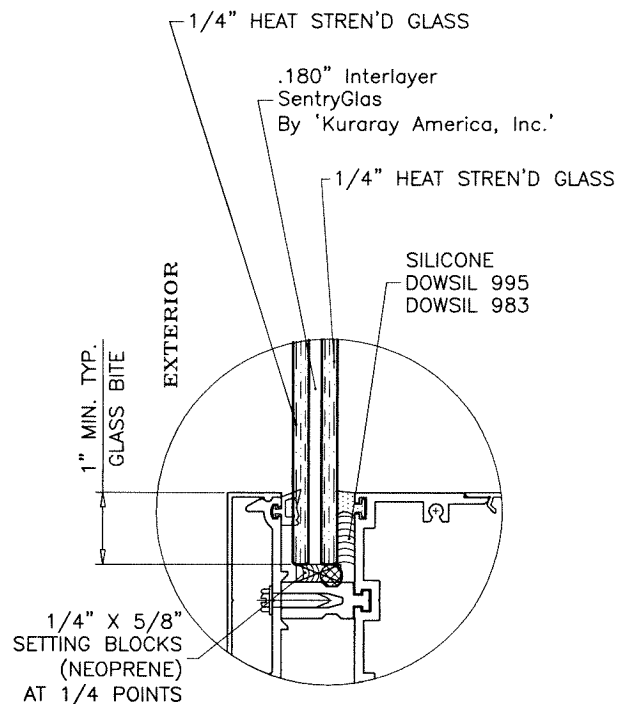
GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		GLASS TYPES 'A', 'B' & 'BB'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
36"	120"	145.0
39"		142.2
42"		134.6
45"		120.0
36"	126"	145.0
39"		142.8
42"		120.0
45"		120.0
36"	132"	145.0
39"		145.0
42"		120.0
45"		120.0
36"	138"	145.0
39"		145.0



GLASS TYPE 'A'
LEVEL 'D' IMPACT



GLASS TYPE 'B'
LEVEL 'D' IMPACT



GLASS TYPE 'BB'
LEVEL 'E' IMPACT

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

Sealed: 9/25/2026

FL #16196



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revisions:

no	date	by	description

date: 08-24-17 scale: 3/8" = 1" dr. by: TARIQ chk. by:

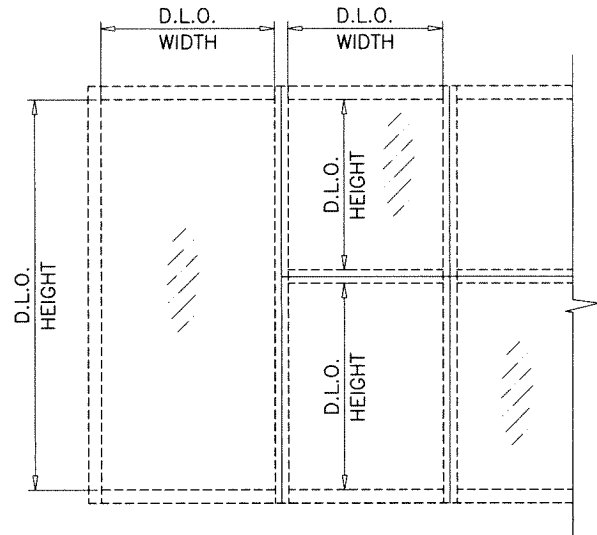
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sheet 4 of 24

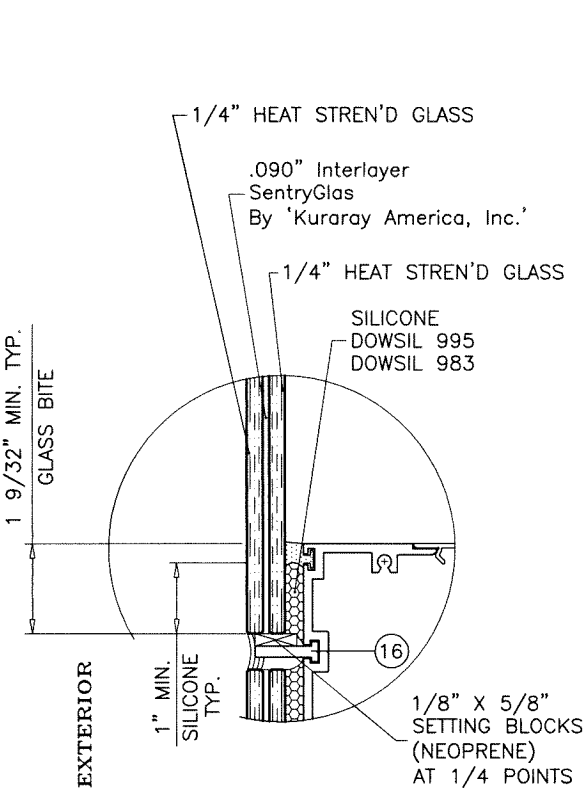
GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		GLASS TYPES
D.L.O. WIDTH	D.L.O. HEIGHT	'C', 'C1', 'CC', 'CC1'
30"	90"	EXT. (+) INT. (-)
36"		100.0
42"		100.0
48"		100.0
54"		100.0
60"		96.0
66"		87.3
72"		80.0
78"	96"	73.8
84"		68.6
30"		100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
60"		96.0
66"		87.3
72"		80.0
78"		73.8
30"	102"	100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
60"		96.0
66"		87.3
72"		80.0
30"	108"	100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
60"		96.0
66"		87.3
72"		80.0
30"	114"	100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
60"		96.0
66"		87.3
72"		80.0
30"	120"	100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
60"		96.0
66"		87.3
72"		80.0

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

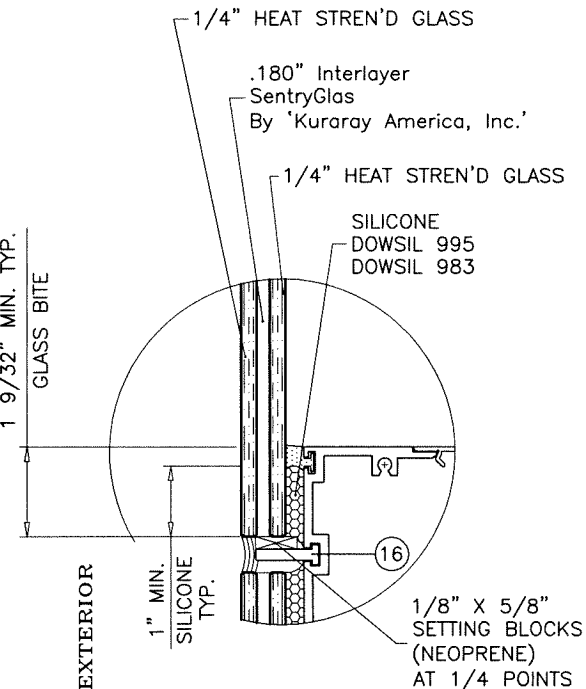
GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		GLASS TYPES
D.L.O. WIDTH	D.L.O. HEIGHT	'C', 'C1', 'CC', 'CC1'
30"	126"	EXT. (+) INT. (-)
36"		100.0
42"		100.0
48"		100.0
54"		100.0
60"		96.0
66"		87.3
72"		80.0
78"	132"	73.8
84"		68.6
30"		100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
30"	138"	100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
60"		96.0
66"		87.3
72"		80.0
78"	144"	73.8
84"		68.6
30"		100.0
36"		100.0
42"		100.0
48"		100.0
54"		100.0
60"		96.0
66"		87.3
72"		80.0
78"		73.8



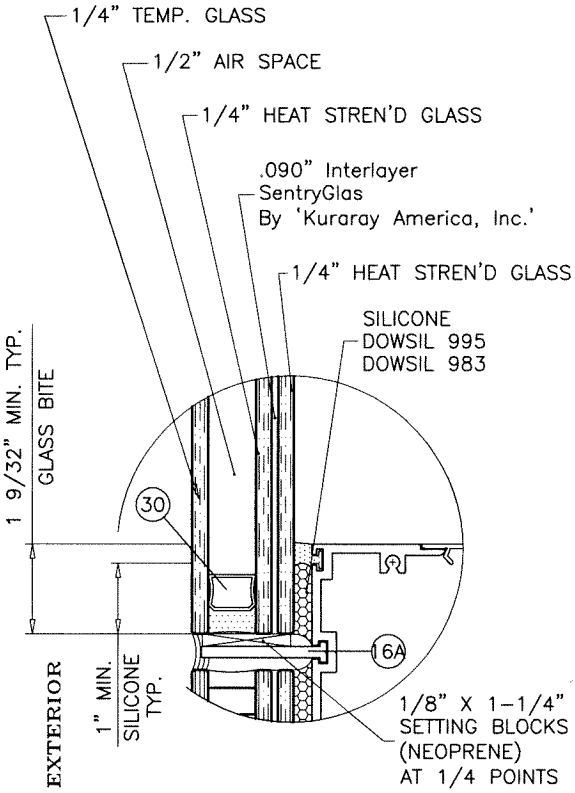
1/2" AIR SPACE CONSISTING OF:
EDGE SPACER:
'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.
EDGE SEALANT FOR SSG GLASS (W/O PRESS PLATE):
1/4" HIGH SILICONE MIN.
ULTIMATE TENSILE STRENGTH PER ASTM C1135=150 PSI MIN.
ALTERNATE CAN BE DESIGNED BY EOR.



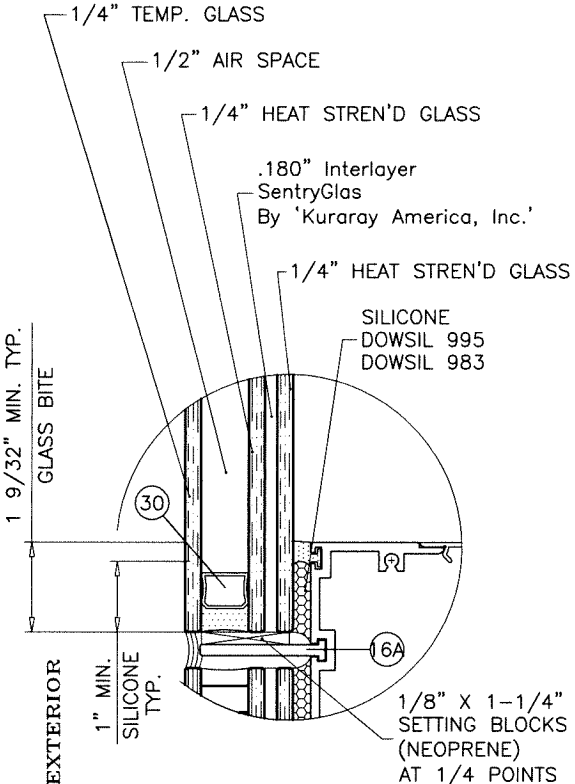
GLASS TYPE 'C'
LEVEL 'D' IMPACT



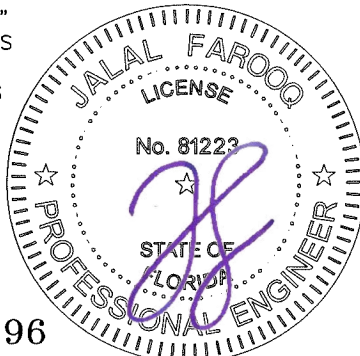
GLASS TYPE 'CC'
LEVEL 'E' IMPACT



GLASS TYPE 'C1'
LEVEL 'D' IMPACT



GLASS TYPE 'CC1'
LEVEL 'E' IMPACT



Sealed: 9/25/2026

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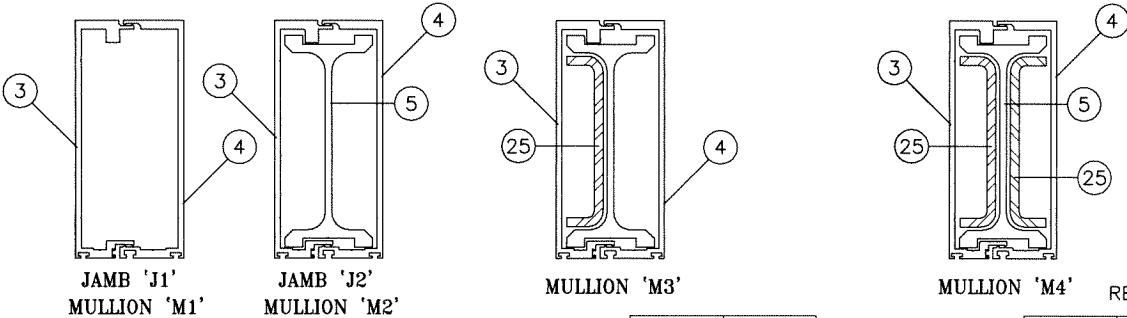
revisions:
no date by description

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dr. by: TARIQ
chk. by:

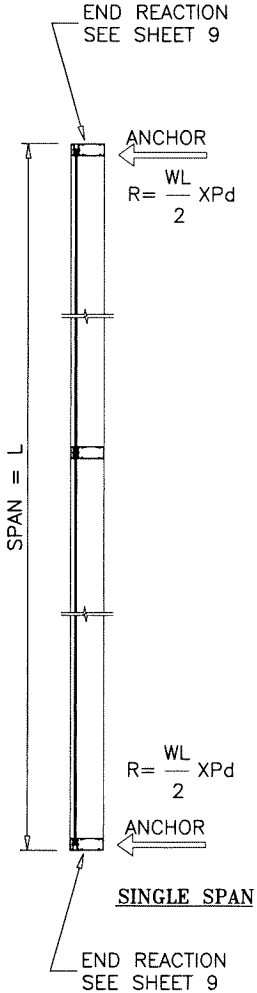
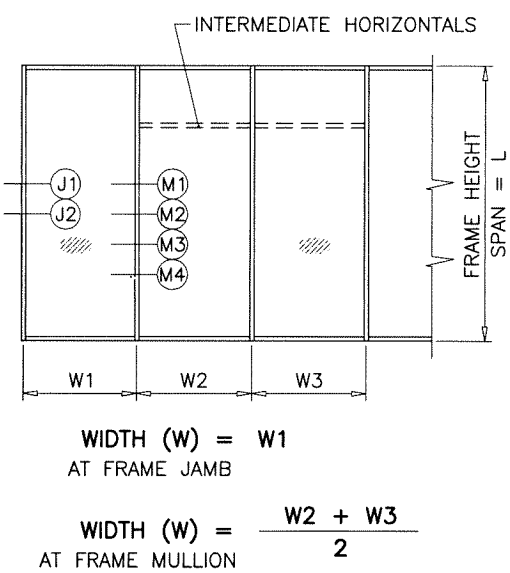
drawing no.
W17-76
sheet 5 of 24

6-5/8" MULLION LOAD CAPACITY - PSF WITH OR WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB		MULLION			
		'J1'	'J2'	'M1'	'M2'	'M3'	'M4'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	96"	100.0	145.0	100.0	145.0	145.0	145.0
42"		100.0	145.0	100.0	145.0	145.0	145.0
48"		100.0	145.0	100.0	145.0	145.0	145.0
54"		100.0	145.0	100.0	145.0	145.0	145.0
60"		100.0	145.0	100.0	145.0	145.0	145.0
66"		100.0	145.0	100.0	145.0	145.0	145.0
72"		100.0	145.0	100.0	145.0	145.0	145.0
84"		100.0	145.0	98.1	145.0	145.0	145.0
36"	102"	100.0	145.0	100.0	145.0	145.0	145.0
42"		100.0	145.0	100.0	145.0	145.0	145.0
48"		100.0	145.0	100.0	145.0	145.0	145.0
54"		100.0	145.0	100.0	145.0	145.0	145.0
60"		100.0	145.0	100.0	145.0	145.0	145.0
66"		100.0	145.0	100.0	145.0	145.0	145.0
72"		100.0	145.0	100.0	145.0	145.0	145.0
84"		100.0	145.0	93.6	145.0	145.0	145.0
36"	108"	100.0	145.0	100.0	145.0	145.0	145.0
42"		100.0	145.0	100.0	145.0	145.0	145.0
48"		100.0	145.0	100.0	145.0	145.0	145.0
54"		100.0	145.0	100.0	145.0	145.0	145.0
60"		100.0	145.0	100.0	145.0	145.0	145.0
66"		100.0	145.0	98.6	145.0	145.0	145.0
72"		100.0	145.0	90.4	145.0	145.0	145.0
84"		100.0	145.0	83.5	135.6	145.0	145.0
36"	114"	100.0	145.0	100.0	145.0	145.0	145.0
42"		100.0	145.0	100.0	145.0	145.0	145.0
48"		100.0	145.0	100.0	145.0	145.0	145.0
54"		100.0	145.0	100.0	145.0	145.0	145.0
60"		100.0	145.0	97.4	145.0	145.0	145.0
66"		100.0	145.0	88.5	143.9	145.0	145.0
72"		100.0	145.0	81.1	131.9	145.0	145.0
84"		100.0	100.0	74.9	100.0	100.0	100.0
36"	120"	100.0	145.0	100.0	145.0	145.0	145.0
42"		100.0	145.0	100.0	145.0	145.0	145.0
48"		100.0	145.0	100.0	145.0	145.0	145.0
54"		100.0	145.0	97.6	145.0	145.0	145.0
60"		100.0	145.0	87.9	142.8	145.0	145.0
66"		100.0	145.0	79.9	129.8	145.0	145.0
72"		100.0	145.0	73.2	119.0	145.0	145.0
84"		100.0	100.0	67.6	100.0	100.0	100.0
36"	126"	100.0	145.0	100.0	145.0	145.0	145.0
42"		100.0	145.0	100.0	145.0	145.0	145.0
48"		100.0	145.0	99.6	145.0	145.0	145.0
54"		100.0	145.0	88.6	143.9	145.0	145.0
60"		100.0	145.0	79.7	129.5	145.0	145.0
66"		100.0	145.0	72.5	117.8	145.0	145.0
72"		100.0	100.0	66.4	100.0	100.0	100.0
84"		100.0	100.0	61.3	99.6	100.0	100.0

6-5/8" MULLION LOAD CAPACITY - PSF WITH OR WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB		MULLION			
		'J1'	'J2'	'M1'	'M2'	'M3'	'M4'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	132"	100.0	145.0	100.0	145.0	145.0	145.0
42"		100.0	145.0	100.0	145.0	145.0	145.0
48"		100.0	145.0	90.8	145.0	145.0	145.0
54"		100.0	145.0	80.7	131.1	145.0	145.0
60"		100.0	145.0	72.6	118.0	145.0	145.0
66"		100.0	100.0	66.0	100.0	100.0	100.0
72"		100.0	100.0	60.5	98.4	100.0	100.0
84"		100.0	100.0	55.9	90.8	100.0	100.0
36"	138"	100.0	145.0	100.0	145.0	145.0	145.0
42"		100.0	145.0	94.9	145.0	145.0	145.0
48"		100.0	145.0	83.1	135.0	145.0	145.0
54"		100.0	145.0	73.8	120.0	145.0	145.0
60"		100.0	145.0	66.4	108.0	135.7	145.0
66"		100.0	100.0	60.4	98.2	100.0	100.0
72"		100.0	100.0	55.4	90.0	100.0	100.0
84"		100.0	100.0	51.1	83.1	100.0	100.0
36"	144"	100.0	145.0	100.0	145.0	145.0	145.0
42"		100.0	145.0	87.2	141.7	145.0	145.0
48"		100.0	145.0	76.3	124.0	145.0	145.0
54"		100.0	145.0	67.8	110.2	138.4	145.0
60"		100.0	145.0	61.0	99.2	124.6	145.0
66"		100.0	100.0	55.5	90.2	100.0	100.0
72"		100.0	100.0	50.9	82.6	100.0	100.0
84"		94.9	100.0	47.5	77.1	96.9	100.0
36"	156"	100.0	145.0	100.0	145.0	145.0	145.0
42"		100.0	145.0	87.2	141.7	145.0	145.0
48"		100.0	145.0	76.3	124.0	145.0	145.0
54"		100.0	145.0	67.8	110.2	138.4	145.0
60"		100.0	145.0	61.0	99.2	124.6	145.0
66"		100.0	100.0	55.5	90.2	100.0	100.0
72"		100.0	100.0	50.9	82.6	100.0	100.0
84"		93.9	100.0	46.9	76.3	95.8	100.0
36"	168"	100.0	145.0	100.0	145.0	145.0	145.0
42"		100.0	145.0	87.2	141.7	145.0	145.0
48"		100.0	145.0	76.3	124.0	145.0	145.0
54"		100.0	145.0	67.8	110.2	138.4	145.0
60"		100.0	145.0	61.0	99.2	124.6	145.0
66"		100.0	100.0	55.5	90.2	100.0	100.0
72"		100.0	100.0	50.9	82.6	100.0	100.0
84"		87.2	100.0	40.0	70.8	89.0	100.0



		Ix IN^4	Sx IN^3			Ix IN^4	Sx IN^3
M1/J1	ALUM	34.9932	9.7963	ALUMINUM		34.9932	9.7963
		3.0917	1.3018	STEEL		6.1834	2.6035
		43.959		TOTAL		52.925	
				Ix ALUM + Ix STL X 2.9			



Sealed: 9/25/2026



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978
FAX. (305) 264-8100
COMP-ANL\W17-76GTE

SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

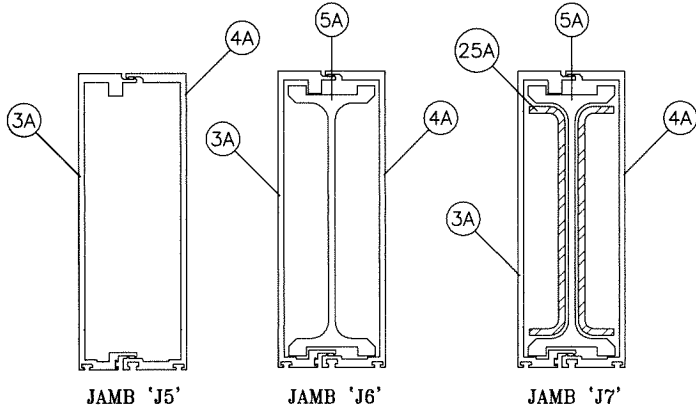
Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL. 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:
no date by description
date: 08-24-17
scale: -
dr. by: TARIQ
chk. by:
drawing no.
W17-76
sheet 6 of 24

8-1/4" JAMB LOAD CAPACITY - PSF WITH OR W/O INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		JAMB		
WIDTH (W)	FRAME HEIGHT	'J5' EXT. (+) INT. (-)	'J6' EXT. (+) INT. (-)	'J7' EXT. (+) INT. (-)
36"	108"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		100.0	100.0	100.0
60"		100.0	100.0	100.0
66"		100.0	100.0	100.0
72"		100.0	100.0	100.0
78"		100.0	100.0	100.0
84"		100.0	100.0	100.0
36"	114"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		100.0	100.0	100.0
60"		100.0	100.0	100.0
66"		100.0	100.0	100.0
72"		100.0	100.0	100.0
78"		100.0	100.0	100.0
84"		100.0	100.0	100.0
36"	120"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		100.0	100.0	100.0
60"		100.0	100.0	100.0
66"		100.0	100.0	100.0
72"		100.0	100.0	100.0
78"		100.0	100.0	100.0
84"		100.0	100.0	100.0
36"	126"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		100.0	100.0	100.0
60"		100.0	100.0	100.0
66"		100.0	100.0	100.0
72"		100.0	100.0	100.0
78"		100.0	100.0	100.0
84"		100.0	100.0	100.0
36"	132"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		100.0	100.0	100.0
60"		100.0	100.0	100.0
66"		100.0	100.0	100.0
72"		100.0	100.0	100.0
78"		100.0	100.0	100.0
84"		100.0	100.0	100.0
36"	138"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		100.0	100.0	100.0
60"		100.0	100.0	100.0
66"		100.0	100.0	100.0
72"		100.0	100.0	100.0
78"		100.0	100.0	100.0
84"		100.0	100.0	100.0

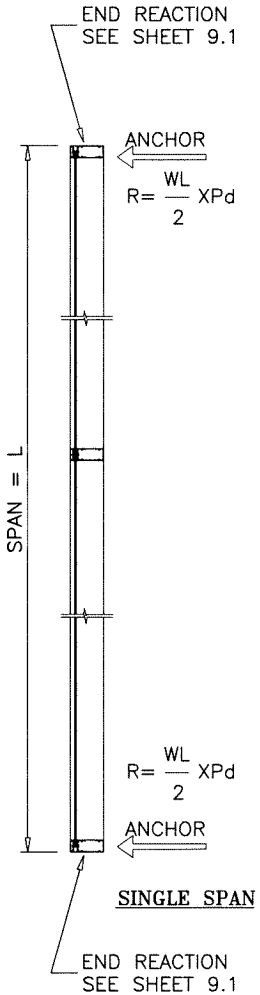
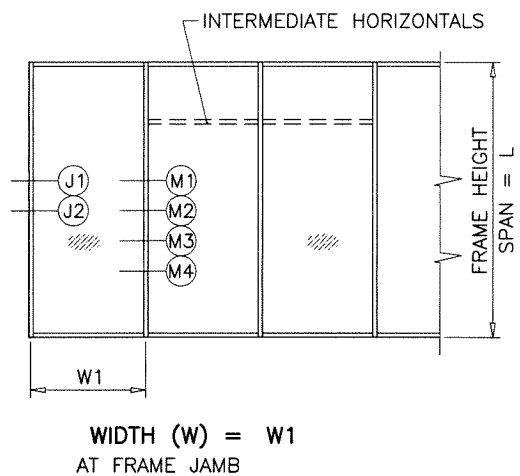
8-1/4" JAMB LOAD CAPACITY - PSF WITH OR W/O INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		JAMB		
WIDTH (W)	FRAME HEIGHT	'J5' EXT. (+) INT. (-)	'J6' EXT. (+) INT. (-)	'J7' EXT. (+) INT. (-)
36"	144"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		100.0	100.0	100.0
60"		100.0	100.0	100.0
66"		100.0	100.0	100.0
72"		100.0	100.0	100.0
78"		100.0	100.0	100.0
84"		100.0	100.0	100.0
36"	156"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		100.0	100.0	100.0
60"		100.0	100.0	100.0
66"		100.0	100.0	100.0
72"		100.0	100.0	100.0
78"		100.0	100.0	100.0
84"		100.0	100.0	100.0
36"	168"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		100.0	100.0	100.0
60"		100.0	100.0	100.0
66"		100.0	100.0	100.0
72"		100.0	100.0	100.0
78"		93.3	100.0	100.0
84"		86.7	100.0	100.0
36"	180"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		100.0	100.0	100.0
60"		100.0	100.0	100.0
66"		96.1	100.0	100.0
72"		88.1	100.0	100.0
78"		81.3	100.0	100.0
84"		75.5	100.0	100.0
36"	192"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		100.0	100.0	100.0
60"		92.9	100.0	100.0
66"		84.5	100.0	100.0
72"		77.4	100.0	100.0
78"		71.5	100.0	100.0
84"		66.4	100.0	100.0
36"	204"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		100.0	100.0	100.0
54"		91.4	100.0	100.0
60"		82.3	100.0	100.0
66"		74.8	100.0	100.0
72"		68.6	100.0	100.0
78"		63.3	100.0	100.0
84"		58.8	96.8	100.0

8-1/4" JAMB LOAD CAPACITY - PSF WITH OR W/O INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		JAMB		
WIDTH (W)	FRAME HEIGHT	'J5' EXT. (+) INT. (-)	'J6' EXT. (+) INT. (-)	'J7' EXT. (+) INT. (-)
36"	216"	100.0	100.0	100.0
42"		100.0	100.0	100.0
48"		91.7	100.0	100.0
54"		81.6	100.0	100.0
60"		73.4	100.0	100.0
66"		66.7	100.0	100.0
72"		61.2	100.0	100.0
78"		56.5	93.0	100.0
84"		52.4	86.3	100.0
36"	228"	100.0	100.0	100.0
42"		94.1	100.0	100.0
48"		82.3	100.0	100.0
54"		73.2	100.0	100.0
60"		65.9	100.0	100.0
66"		59.9	98.6	100.0
72"		54.9	90.4	100.0
78"		50.7	83.4	100.0
84"		47.1	77.5	100.0
36"	240"	97.0	100.0	100.0
42"		83.1	100.0	100.0
48"		72.7	100.0	100.0
54"		64.6	100.0	100.0
60"		58.2	97.9	100.0
66"		52.9	89.0	100.0
72"		48.5	81.6	100.0
78"		44.8	75.3	100.0
84"		41.6	69.9	100.0



J5	ALUM	J6	ALUM	ALUMINUM	Ix IN^4	Sx IN^3
Ix IN^4	38.88	Ix IN^4	66.395	STEEL	14.943	4.426
Sx IN^3	8.562	Sx IN^3	14.622	TOTAL	Ix ALUM + Ix STL X 2.9	109.729

REINF. LENGTH = MULL. LENGTH-6"



Sealed: 9/25/2026



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

SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:	no	date	by	description
date:	08-24-17	scale:	-	
dr. by:	TARIQ	chk. by:		
drawing no.	W17-76	sheet	7 of 24	

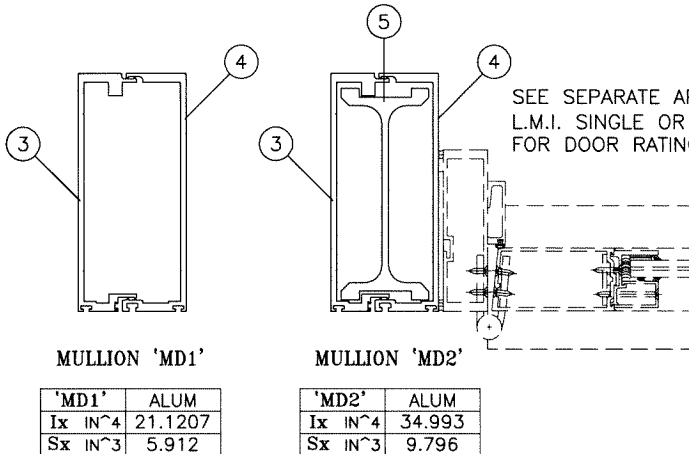
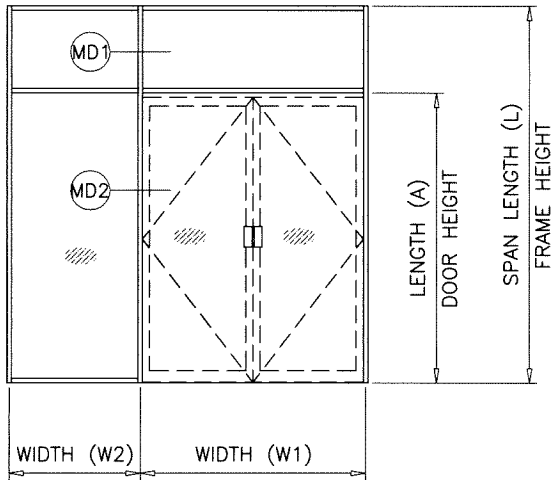
6-5/8" DOOR MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.				MULLION 'MD1'	MULLION 'MD2'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	30"	84"	108"	90.0	90.0
	36"			90.0	90.0
	42"			90.0	90.0
	48"			90.0	90.0
	54"			90.0	90.0
	60"			90.0	90.0
	66"			90.0	90.0
	72"			90.0	90.0
86-5/8"	30"			90.0	90.0
	36"			90.0	90.0
	42"			90.0	90.0
	48"			90.0	90.0
	54"			90.0	90.0
	60"			90.0	90.0
	66"			90.0	90.0
	72"			90.0	90.0
74-5/8"	30"	84"	120"	90.0	90.0
	36"			90.0	90.0
	42"			90.0	90.0
	48"			90.0	90.0
	54"			88.0	90.0
	60"			83.9	90.0
	66"			80.1	90.0
	72"			76.7	90.0
86-5/8"	30"			90.0	90.0
	36"			90.0	90.0
	42"			88.7	90.0
	48"			84.5	90.0
	54"			80.7	90.0
	60"			77.2	90.0
	66"			74.1	90.0
	72"			71.1	90.0
74-5/8"	30"	84"	132"	87.6	90.0
	36"			82.7	90.0
	42"			78.3	90.0
	48"			74.4	90.0
	54"			70.9	90.0
	60"			67.6	90.0
	66"			64.7	90.0
	72"			62.0	90.0
86-5/8"	30"			78.6	90.0
	36"			74.7	90.0
	42"			71.1	90.0
	48"			67.9	90.0
	54"			64.9	90.0
	60"			62.2	90.0
74-5/8"	30"	84"	144"	72.3	90.0
	36"			68.4	90.0
	42"			64.8	90.0
	48"			61.6	90.0
	54"			58.7	90.0
	60"			56.1	90.0
	66"			53.7	87.4
	72"			51.5	83.8
86-5/8"	30"			64.9	90.0
	36"			61.7	90.0
	42"			58.8	90.0
	48"			56.2	90.0

6-5/8" DOOR MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.				MULLION 'MD1'	MULLION 'MD2'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	30"	96"	108"	90.0	90.0
	36"			90.0	90.0
	42"			90.0	90.0
	48"			90.0	90.0
	54"			90.0	90.0
	60"			90.0	90.0
	66"			90.0	90.0
	72"			90.0	90.0
86-5/8"	30"			90.0	90.0
	36"			90.0	90.0
	42"			90.0	90.0
	48"			90.0	90.0
	54"			90.0	90.0
	60"			90.0	90.0
	66"			90.0	90.0
	72"			90.0	90.0
74-5/8"	30"	96"	120"	90.0	90.0
	36"			90.0	90.0
	42"			90.0	90.0
	48"			90.0	90.0
	54"			90.0	90.0
	60"			87.0	90.0
	66"			82.9	90.0
	72"			79.2	90.0
86-5/8"	30"			90.0	90.0
	36"			90.0	90.0
	42"			90.0	90.0
	48"			88.6	90.0
	54"			84.3	90.0
	60"			80.5	90.0
	66"			77.0	90.0
	72"			73.7	90.0
74-5/8"	30"	96"	132"	89.9	90.0
	36"			84.7	90.0
	42"			80.0	90.0
	48"			75.8	90.0
	54"			72.1	90.0
	60"			68.7	90.0
	66"			65.6	90.0
	72"			62.7	90.0
86-5/8"	30"			80.9	90.0
	36"			76.7	90.0
	42"			72.8	90.0
	48"			69.3	90.0
	54"			66.2	90.0
	60"			63.3	90.0
74-5/8"	30"	96"	144"	72.9	90.0
	36"			68.8	90.0
	42"			65.1	90.0
	48"			61.8	90.0
	54"			58.8	90.0
	60"			56.1	90.0
	66"			53.7	90.0
	72"			51.5	90.0
86-5/8"	30"			62.2	90.0
	36"			59.1	90.0
	42"			56.4	90.0

6-5/8" DOOR MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.				MULLION 'MD1'	MULLION 'MD2'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	30"	108"	120"	90.0	90.0
	36"			90.0	90.0
	42"			90.0	90.0
	48"			90.0	90.0
	54"			90.0	90.0
	60"			90.0	90.0
	66"			88.4	90.0
	72"			84.0	90.0
86-5/8"	30"			90.0	90.0
	36"			90.0	90.0
	42"			90.0	90.0
	48"			90.0	90.0
	54"			90.0	90.0
	60"			86.8	90.0
	66"			82.6	90.0
	72"			78.8	90.0
74-5/8"	30"	108"	132"	90.0	90.0
	36"			89.3	90.0
	42"			84.0	90.0
	48"			79.3	90.0
	54"			75.1	90.0
	60"			71.3	90.0
	66"			67.9	90.0
	72"			64.8	90.0
86-5/8"	30"			86.0	90.0
	36"			81.1	90.0
	42"			76.7	90.0
	48"			72.8	90.0
	54"			69.3	90.0
	60"			66.0	90.0
74-5/8"	30"	108"	144"	75.2	90.0
	36"			70.7	90.0
	42"			66.8	90.0
	48"			63.2	90.0
	54"			60.0	90.0
	60"			57.2	90.0
86-5/8"	30"			67.7	90.0
	36"			64.1	90.0
	42"			60.8	90.0
	48"			57.9	90.0

6-5/8" DOOR MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.				MULLION 'MD1'	MULLION 'MD2'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	30"	108"	132"	90.0	90.0
	36"			90.0	90.0
	42"			90.0	90.0
	48"			85.5	90.0
	54"			80.5	90.0
	60"			76.1	90.0
	66"			72.2	90.0
	72"			68.6	90.0
86-5/8"	30"			90.0	90.0
	36"			89.1	90.0
	42"			83.8	90.0
	48"			79.0	90.0
	54"			74.8	90.0
	60"			70.9	90.0
74-5/8"	30"	108"	144"	79.6	90.0
	36"			74.6	90.0
	42"			70.1	90.0
	48"			66.1	90.0
	54"			62.6	90.0
	60"			59.4	90.0
86-5/8"	30"			72.0	90.0
	36"			67.8	90.0
	42"			64.1	90.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



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

Sealed: 9/25/2026



FL #16196

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL. 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:

no	date	by	description

date: 08-24-17

scale: -

dr. by: TARIQ

chk. by: -

drawing no. **W17-76**

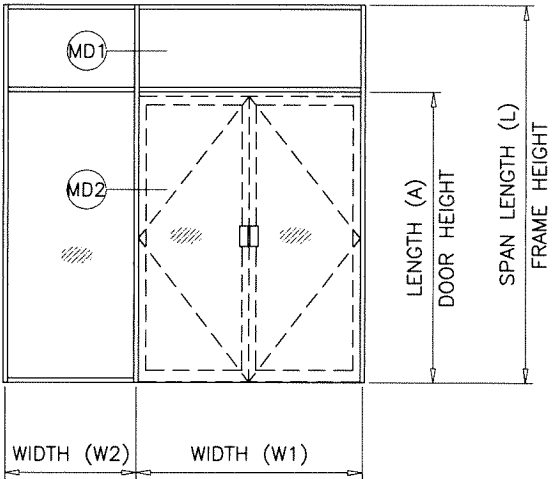
sheet **8** of **24**

8-1/4" DOOR MULLION LOAD CAPACITY - PSF						
NOMINAL DIMS.				MULLION 'MD3'	MULLION 'MD4'	MULLION 'MD5'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	36"	84"	132"	100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			100.0	100.0	100.0
86-5/8"	36"			100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			100.0	100.0	100.0
96"	36"			100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			100.0	100.0	100.0
74-5/8"	36"	84"	144"	100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			100.0	100.0	100.0
86-5/8"	36"			100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			99.5	100.0	100.0
96"	36"			100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			94.3	100.0	100.0
74-5/8"	36"	84"	156"	100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			98.1	100.0	100.0
	84"			90.6	100.0	100.0
86-5/8"	36"			100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			98.1	100.0	100.0
	72"			90.7	100.0	100.0
	84"			84.3	100.0	100.0
96"	36"			100.0	100.0	100.0
	48"			99.9	100.0	100.0
	60"			92.2	100.0	100.0
	72"			85.6	100.0	100.0
	84"			79.9	100.0	100.0
74-5/8"	36"	84"	168"	100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			92.0	100.0	100.0
	72"			84.4	100.0	100.0
	84"			78.0	100.0	100.0
86-5/8"	36"			100.0	100.0	100.0
	48"			92.0	100.0	100.0
	60"			84.4	100.0	100.0
	72"			78.0	100.0	100.0
	84"			72.6	100.0	100.0
96"	36"			93.8	100.0	100.0
	48"			86.0	100.0	100.0
	60"			79.4	100.0	100.0
	72"			73.7	100.0	100.0
	84"			68.8	100.0	100.0

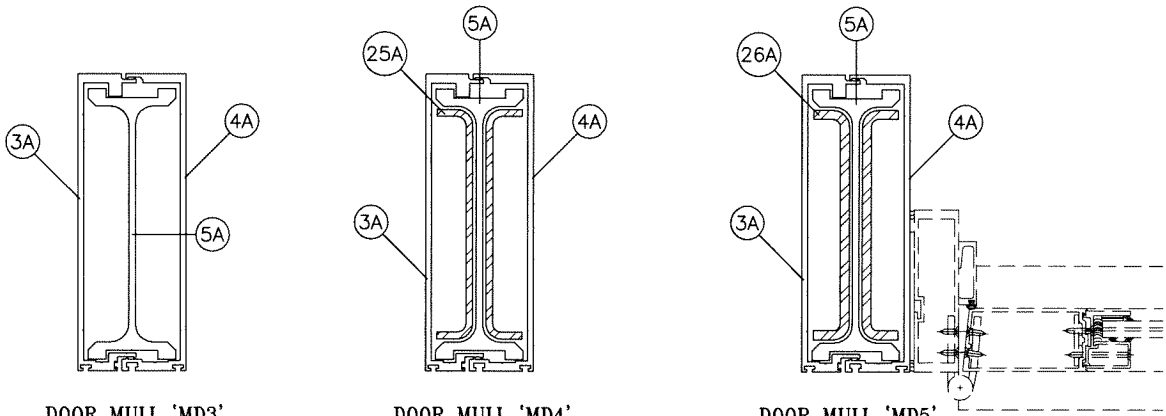
8-1/4" DOOR MULLION LOAD CAPACITY - PSF						
NOMINAL DIMS.				MULLION 'MD3'	MULLION 'MD4'	MULLION 'MD5'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	36"	84"	180"	97.6	100.0	100.0
	48"			88.1	100.0	100.0
	60"			80.2	100.0	100.0
	72"			73.6	100.0	100.0
	84"			68.1	100.0	100.0
86-5/8"	36"			88.1	100.0	100.0
	48"			80.2	100.0	100.0
	60"			73.6	100.0	100.0
	72"			68.1	100.0	100.0
	84"			63.3	100.0	100.0
96"	36"			81.8	100.0	100.0
	48"			75.0	100.0	100.0
	60"			69.2	100.0	100.0
	72"			64.3	100.0	100.0
	84"			60.0	95.7	100.0
74-5/8"	36"	84"	192"	86.1	100.0	100.0
	48"			77.5	100.0	100.0
	60"			70.1	100.0	100.0
	72"			64.0	100.0	100.0
	84"			58.9	95.7	100.0
86-5/8"	36"			77.7	100.0	100.0
	48"			70.8	100.0	100.0
	60"			64.6	100.0	100.0
	72"			59.4	95.8	100.0
	84"			55.0	89.0	98.8
96"	36"			72.2	100.0	100.0
	48"			66.2	100.0	100.0
	60"			60.9	97.5	100.0
	72"			56.3	90.5	100.0
	84"			52.3	84.4	93.7
74-5/8"	36"	84"	204"	72.8	100.0	100.0
	48"			65.1	100.0	100.0
	60"			58.9	100.0	100.0
	72"			53.7	92.1	100.0
	84"			49.4	85.1	94.4
86-5/8"	36"			66.0	100.0	100.0
	48"			59.6	100.0	100.0
	60"			54.3	92.3	100.0
	72"			49.9	85.2	94.6
	84"			46.2	79.2	87.9
96"	36"			61.4	100.0	100.0
	48"			55.9	94.0	100.0
	60"			51.2	86.7	96.3
	72"			47.3	80.5	89.3
	84"			43.9	75.1	83.3
74-5/8"	36"	84"	216"	62.0	100.0	100.0
	48"			55.3	99.0	100.0
	60"			50.0	90.0	99.9
	72"			45.6	82.6	91.6
	84"			41.9	76.2	84.6
86-5/8"	36"			56.2	99.2	100.0
	48"			50.7	90.2	100.0
	60"			46.2	82.7	91.8
	72"			42.4	76.4	84.8
	84"			39.2	71.0	78.7
96"	36"			52.4	92.2	100.0
	48"			47.5	84.4	93.7
	60"			43.5	77.8	86.3
	72"			40.2	72.2	80.1
	84"			37.3	40.0	40.0

8-1/4" DOOR MULLION LOAD CAPACITY - PSF						
NOMINAL DIMS.				MULLION 'MD3'	MULLION 'MD4'	MULLION 'MD5'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	36"	84"	228"	40.0	40.0	40.0
	48"			40.0	40.0	40.0
	60"			40.0	40.0	40.0
	72"			39.1	40.0	40.0
	84"			35.9	40.0	40.0
86-5/8"	36"			40.0	40.0	40.0
	48"			40.0	40.0	40.0
	60"			39.6	40.0	40.0
	72"			36.4	40.0	40.0
	84"			40.0	40.0	40.0
96"	36"			40.0	40.0	40.0
	48"			40.0	40.0	40.0
	60"			37.4	40.0	40.0
	72"			34.5	40.0	40.0
	84"			40.0	40.0	40.0
74-5/8"	36"	84"	240"	40.0	40.0	40.0
	48"			40.0	40.0	40.0
	60"			37.1	40.0	40.0
	72"			33.8	40.0	40.0
	84"			31.0	40.0	40.0
86-5/8"	36"			40.0	40.0	40.0
	48"			37.7	40.0	40.0
	60"			34.3	40.0	40.0
	72"			31.5	40.0	40.0
	84"			39.1	40.0	40.0
96"	36"			35.4	40.0	40.0
	48"			32.4	40.0	40.0
	60"					

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



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



DOOR MULL 'MD3'

MD3	ALUM
Ix IN^4	66.395
Sx IN^3	14.622

DOOR MULL 'MD4'

	Ix IN^4	Sx IN^3
ALUMINUM	66.395	14.622
STEEL	14.943	4.426
TOTAL Ix ALUM + Ix STL X 2.9	109.729	

DOOR MULL 'MD5'

	Ix IN^4	Sx IN^3
ALUMINUM	66.395	14.622
STEEL	19.480	5.717
TOTAL Ix ALUM + Ix STL X 2.9	122.887	

REINF. LENGTH = MULL LENGTH-6"

Sealed: 9/25/2026

FL #16196



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

SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL. 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:

no	date	by	description

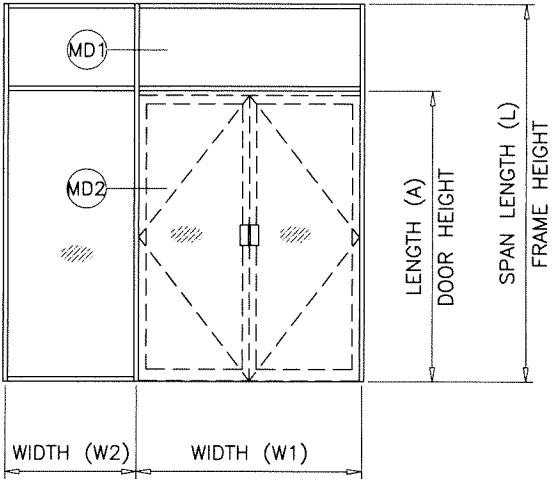
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sheet 8.1 of 24			

8-1/4" DOOR MULLION LOAD CAPACITY - PSF						
NOMINAL DIMS.				MULLION 'MD3'	MULLION 'MD4'	MULLION 'MD5'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	36"	96"	132"	100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			100.0	100.0	100.0
86-5/8"	36"			100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			100.0	100.0	100.0
96"	36"			100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			100.0	100.0	100.0
74-5/8"	36"	96"	144"	100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			100.0	100.0	100.0
86-5/8"	36"			100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			98.4	100.0	100.0
96"	36"			100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			93.4	100.0	100.0
74-5/8"	36"	96"	156"	100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			96.1	100.0	100.0
	84"			88.7	100.0	100.0
86-5/8"	36"			100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			96.3	100.0	100.0
	72"			88.9	100.0	100.0
	84"			82.6	100.0	100.0
96"	36"			100.0	100.0	100.0
	48"			98.3	100.0	100.0
	60"			90.6	100.0	100.0
	72"			84.0	100.0	100.0
	84"			78.3	100.0	100.0
74-5/8"	36"	96"	168"	100.0	100.0	100.0
	48"			98.4	100.0	100.0
	60"			89.5	100.0	100.0
	72"			82.2	100.0	100.0
	84"			75.9	100.0	100.0
86-5/8"	36"			98.5	100.0	100.0
	48"			89.6	100.0	100.0
	60"			82.2	100.0	100.0
	72"			76.0	100.0	100.0
	84"			70.6	100.0	100.0
96"	36"			91.5	100.0	100.0
	48"			83.8	100.0	100.0
	60"			77.3	100.0	100.0
	72"			71.8	100.0	100.0
	84"			67.0	100.0	100.0

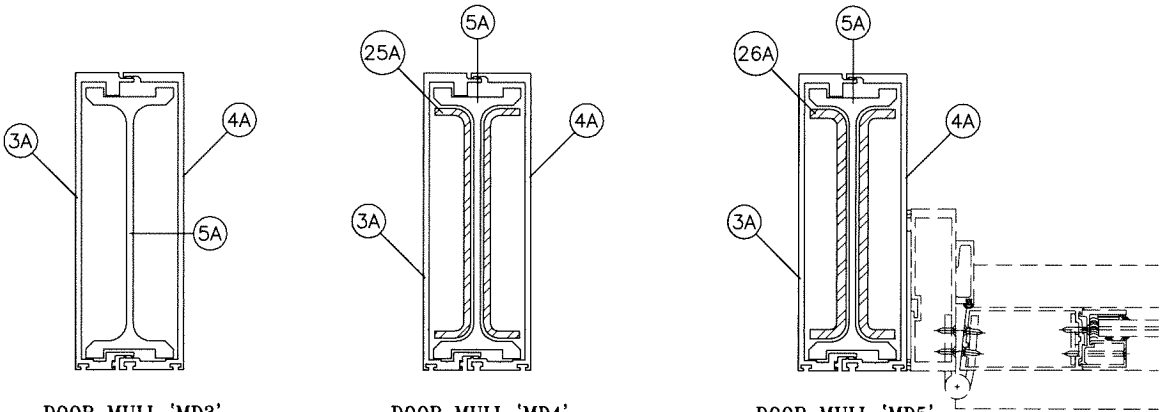
8-1/4" DOOR MULLION LOAD CAPACITY - PSF						
NOMINAL DIMS.				MULLION 'MD3'	MULLION 'MD4'	MULLION 'MD5'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	36"	96"	180"	94.5	100.0	100.0
	48"			85.3	100.0	100.0
	60"			77.7	100.0	100.0
	72"			71.3	100.0	100.0
	84"			65.9	100.0	100.0
86-5/8"	36"			85.3	100.0	100.0
	48"			77.7	100.0	100.0
	60"			71.3	100.0	100.0
	72"			65.9	100.0	100.0
	84"			61.3	100.0	100.0
96"	36"			79.2	100.0	100.0
	48"			72.6	100.0	100.0
	60"			67.0	100.0	100.0
	72"			62.2	100.0	100.0
	84"			58.1	95.7	100.0
74-5/8"	36"	96"	192"	83.0	100.0	100.0
	48"			74.8	100.0	100.0
	60"			68.2	100.0	100.0
	72"			62.6	100.0	100.0
	84"			57.9	95.4	100.0
86-5/8"	36"			74.8	100.0	100.0
	48"			68.2	100.0	100.0
	60"			62.6	100.0	100.0
	72"			57.9	95.4	100.0
	84"			53.8	88.7	98.4
96"	36"			69.5	100.0	100.0
	48"			63.7	100.0	100.0
	60"			58.8	97.0	100.0
	72"			54.6	90.1	96.5
	84"			51.0	84.1	93.3
74-5/8"	36"	96"	204"	71.6	100.0	100.0
	48"			64.2	100.0	100.0
	60"			58.1	99.6	100.0
	72"			53.1	91.5	100.0
	84"			48.9	84.6	93.8
86-5/8"	36"			64.9	100.0	100.0
	48"			58.7	99.7	100.0
	60"			53.6	91.5	100.0
	72"			49.3	84.6	93.8
	84"			45.6	78.6	87.2
96"	36"			60.4	100.0	100.0
	48"			55.0	93.2	100.0
	60"			50.5	86.0	95.4
	72"			46.6	79.9	88.6
	84"			43.4	74.5	82.7
74-5/8"	36"	96"	216"	60.7	100.0	100.0
	48"			54.3	97.9	100.0
	60"			49.2	89.1	98.9
	72"			44.9	81.8	87.2
	84"			41.3	75.6	83.9
86-5/8"	36"			54.9	97.9	100.0
	48"			49.7	89.2	98.9
	60"			45.3	81.8	90.8
	72"			41.7	75.6	83.9
	84"			38.6	70.3	78.0
96"	36"			51.2	91.0	100.0
	48"			46.6	83.4	92.5
	60"			42.7	76.9	85.4
	72"			39.5	71.4	79.2
	84"			36.7	40.0	40.0

8-1/4" DOOR MULLION LOAD CAPACITY - PSF						
NOMINAL DIMS.				MULLION 'MD3'	MULLION 'MD4'	MULLION 'MD5'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	36"	96"	228"	40.0	40.0	40.0
	48"			40.0	40.0	40.0
	60"			40.0	40.0	40.0
	72"			38.4	40.0	40.0
	84"			35.3	40.0	40.0
86-5/8"	36"			40.0	40.0	40.0
	48"			40.0	40.0	40.0
	60"			38.8	40.0	40.0
	72"			35.6	40.0	40.0
	84"			40.0	40.0	40.0
96"	36"			39.9	40.0	40.0
	48"			36.6	40.0	40.0
	60"			33.8	40.0	40.0
	72"			40.0	40.0	40.0
	84"			40.0	40.0	40.0
74-5/8"	36"	96"	240"	36.3	40.0	40.0
	48"			33.1	40.0	40.0
	60"			30.4	40.0	40.0
	72"			40.0	40.0	40.0
	84"			36.8	40.0	40.0
86-5/8"	36"			33.5	40.0	40.0
	48"			30.8	40.0	40.0
	60"			37.9	40.0	40.0
	72"			34.5	40.0	40.0
	84"			31.6	40.0	40.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



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



MD3	ALUM
Ix IN^4	66.395
Sx IN^3	14.622

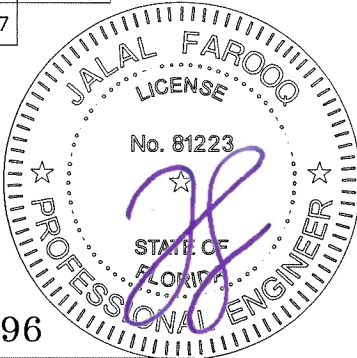
ALUMINUM	Ix IN^4	Sx IN^3
STEEL	66.395	14.622
STEEL	14.943	4.426
TOTAL		
Ix ALUM + Ix STL X 2.9	109.729	

REINF. LENGTH = MULL LENGTH-6"

ALUMINUM	Ix IN^4	Sx IN^3
STEEL	66.395	14.622
STEEL	19.480	5.717
TOTAL		
Ix ALUM + Ix STL X 2.9	122.887	

Sealed: 9/25/2026

FL #16196



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL. 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:

no	date	by	description

date: 08-24-17

scale: -

dr. by: TARIQ

chk. by: -

drawing no. **W17-76**

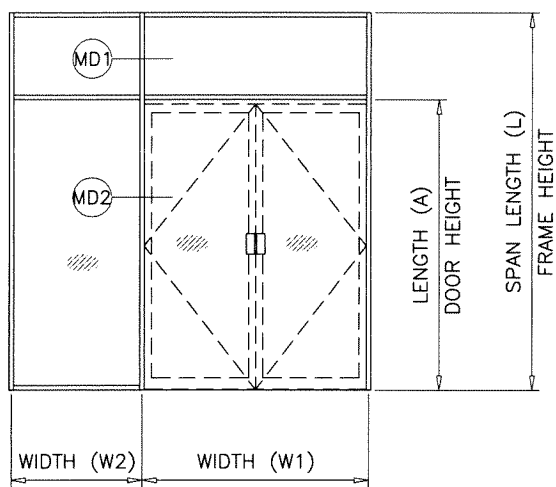
sheet **8.2** of **24**

8-1/4" DOOR MULLION LOAD CAPACITY - PSF						
NOMINAL DIMS.				MULLION 'MD3'	MULLION 'MD4'	MULLION 'MD5'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	36"	108"	120"	100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			99.6	100.0	100.0
86-5/8"	36"			100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			100.0	100.0	100.0
	84"			93.9	100.0	100.0
96"	36"			100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			100.0	100.0	100.0
	72"			97.8	100.0	100.0
	84"			89.9	100.0	100.0
74-5/8"	36"	108"	132"	100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			92.8	100.0	100.0
	72"			84.4	100.0	100.0
	84"			77.3	100.0	100.0
86-5/8"	36"			100.0	100.0	100.0
	48"			94.8	100.0	100.0
	60"			85.9	100.0	100.0
	72"			78.6	100.0	100.0
	84"			72.5	100.0	100.0
96"	36"			98.6	100.0	100.0
	48"			89.1	100.0	100.0
	60"			81.2	100.0	100.0
	72"			74.7	100.0	100.0
	84"			69.1	100.0	100.0
74-5/8"	36"	108"	144"	92.0	100.0	100.0
	48"			82.3	100.0	100.0
	60"			74.4	100.0	100.0
	72"			67.9	100.0	100.0
	84"			62.4	100.0	100.0
86-5/8"	36"			83.4	100.0	100.0
	48"			75.3	100.0	100.0
	60"			68.7	100.0	100.0
	72"			63.1	100.0	100.0
	84"			58.3	96.4	100.0
96"	36"			77.7	100.0	100.0
	48"			70.6	100.0	100.0
	60"			64.7	100.0	100.0
	72"			59.8	98.8	100.0
	84"			55.5	91.7	100.0
74-5/8"	36"	108"	156"	75.6	100.0	100.0
	48"			67.8	100.0	100.0
	60"			61.5	100.0	100.0
	72"			56.3	93.0	100.0
	84"			51.9	85.7	96.0
86-5/8"	36"			68.4	100.0	100.0
	48"			62.0	100.0	100.0
	60"			56.7	93.6	100.0
	72"			52.2	86.2	96.6
	84"			48.4	79.9	89.5
96"	36"			63.6	100.0	100.0
	48"			58.0	95.9	100.0
	60"			53.3	88.2	98.7
	72"			49.4	81.6	91.4
	84"			45.9	75.9	85.0

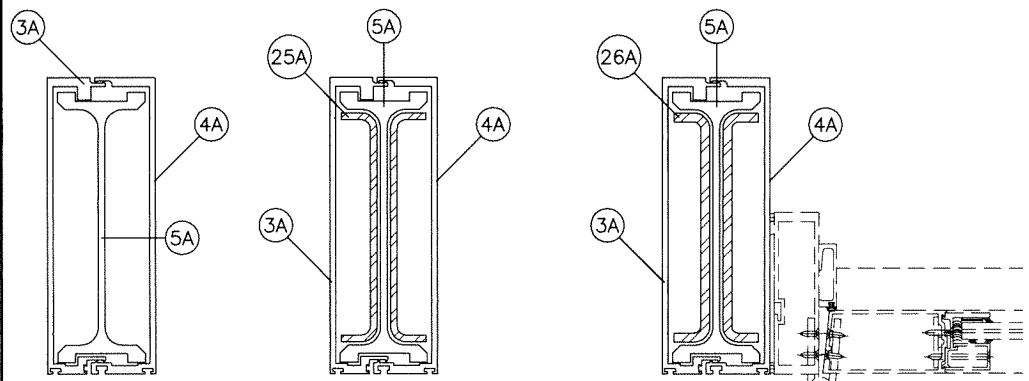
8-1/4" DOOR MULLION LOAD CAPACITY - PSF						
NOMINAL DIMS.				MULLION 'MD3'	MULLION 'MD4'	MULLION 'MD5'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	36"	108"	168"	63.7	100.0	100.0
	48"			57.3	94.7	100.0
	60"			52.1	86.0	96.3
	72"			47.7	78.8	88.3
	84"			44.0	72.8	81.5
86-5/8"	36"			57.5	95.1	100.0
	48"			52.2	86.4	96.7
	60"			47.9	79.1	88.6
	72"			44.2	73.0	81.7
	84"			41.0	67.7	75.9
96"	36"			53.5	88.4	99.0
	48"			48.9	80.8	90.5
	60"			45.0	74.4	83.4
	72"			41.7	69.0	77.3
	84"			38.9	64.3	72.0
74-5/8"	36"	108"	180"	54.7	90.4	100.0
	48"			49.3	81.4	91.2
	60"			44.8	74.1	82.9
	72"			41.1	67.9	76.1
	84"			38.0	62.8	70.3
86-5/8"	36"			49.4	81.6	91.3
	48"			44.9	74.2	83.1
	60"			41.2	68.1	76.2
	72"			38.0	62.8	70.4
	84"			35.3	58.4	65.4
96"	36"			45.9	75.8	84.9
	48"			42.0	69.4	77.7
	60"			38.7	64.0	71.7
	72"			35.9	59.4	66.5
	84"			33.5	55.4	62.0
74-5/8"	36"	108"	192"	47.7	78.8	88.2
	48"			43.0	71.0	79.5
	60"			39.1	64.7	72.4
	72"			35.9	59.3	66.5
	84"			33.2	54.8	61.4
86-5/8"	36"			43.0	71.1	79.6
	48"			39.1	64.7	72.5
	60"			35.9	59.4	66.5
	72"			33.2	54.9	61.4
	84"			30.9	51.0	57.1
96"	36"			40.0	66.0	73.9
	48"			36.6	60.5	67.8
	60"			33.8	55.8	62.5
	72"			31.4	51.8	58.0
	84"			29.3	48.3	54.1
74-5/8"	36"	108"	204"	42.0	69.5	77.8
	48"			37.9	62.7	70.2
	60"			34.5	57.1	63.9
	72"			31.7	52.4	58.7
	84"			29.3	48.4	54.2
86-5/8"	36"			37.9	62.7	70.2
	48"			34.5	57.1	63.9
	60"			31.7	52.4	58.7
	72"			29.3	48.4	54.3
	84"			27.2	45.0	50.4
96"	36"			35.2	58.2	65.2
	48"			32.3	53.4	59.8
	60"			29.8	49.3	55.2
	72"			27.7	45.7	51.2
	84"			25.8	42.7	47.8

8-1/4" DOOR MULLION LOAD CAPACITY - PSF						
NOMINAL DIMS.				MULLION 'MD3'	MULLION 'MD4'	MULLION 'MD5'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	36"	108"	216"	37.5	61.9	69.3
	48"			33.8	55.8	62.5
	60"			30.8	50.9	57.0
	72"			28.3	46.7	52.3
	84"			26.1	43.2	48.3
86-5/8"	36"			33.8	55.8	62.5
	48"			30.8	50.9	57.0
	60"			28.3	46.7	52.3
	72"			26.1	43.2	48.3
	84"			24.3	40.1	44.9
96"	36"			31.4	51.9	58.1
	48"			28.8	47.6	53.3
	60"			26.6	43.9	49.2
	72"			24.7	40.8	45.6
	84"			23.0	38.0	42.6
74-5/8"	36"	108"	228"	33.6	40.0	40.0
	48"			30.4	40.0	40.0
	60"			27.6	40.0	40.0
	72"			25.4	40.0	40.0
	84"			23.5	38.8	40.0
86-5/8"	36"			30.4	40.0	40.0
	48"			27.6	40.0	40.0
	60"			25.4	40.0	40.0
	72"			23.5	38.8	40.0
	84"			28.2	40.0	40.0
96"	36"			25.8	40.0	40.0
	48"			23.9	39.4	40.0
	60"			22.2	36.6	40.0
	72"			30.4	40.0	40.0
	84"			27.5	40.0	40.0
74-5/8"	36"	108"	240"	25.0	40.0	40.0
	48"			22.9	37.9	40.0
	60"			21.2	35.0	39.3
	72"			27.5	40.0	40.0
	84"			25.0	40.0	40.0
86-5/8"	36"			23.0	37.9	40.0
	48"			21.2	35.1	39.3
	60"			25.5	40.0	40.0
	72"			23.4	38.6	40.0
	84"			21.6	35.7	39.9

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



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



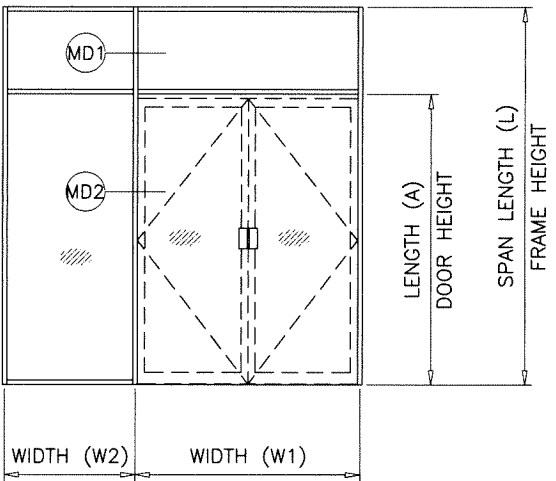
DOOR MULL 'MD3'		DOOR MULL 'MD4'		DOOR MULL 'MD5'			
		Ix IN^4	Sx IN^3				
MD3	ALUM	ALUMINUM	66.395	14.622	ALUMINUM	66.395	14.622
Ix IN^4	66.395	STEEL	14.943	4.426	STEEL	19.480	5.717
Sx IN^3	14.622	TOTAL			TOTAL		
		Ix ALUM + Ix STL X 2.9	109.729		Ix ALUM + Ix STL X 2.9	122.887	

8-1/4" DOOR MULLION LOAD CAPACITY - PSF						
NOMINAL DIMS.				MULLION 'MD3'	MULLION 'MD4'	MULLION 'MD5'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	36"	120"	132"	100.0	100.0	100.0
	48"			100.0	100.0	100.0
	60"			91.1	100.0	100.0
	72"			82.1	100.0	100.0
	84"			74.7	100.0	100.0
86-5/8"	36"			100.0	100.0	100.0
	48"			94.5	100.0	100.0
	60"			84.9	100.0	100.0
	72"			77.0	100.0	100.0
	84"			70.5	100.0	100.0
96"	36"			100.0	100.0	100.0
	48"			89.3	100.0	100.0
	60"			80.6	100.0	100.0
	72"			73.5	100.0	100.0
	84"			67.5	100.0	100.0
74-5/8"	36"	120"	144"	89.2	100.0	100.0
	48"			79.1	100.0	100.0
	60"			71.1	100.0	100.0
	72"			64.5	100.0	100.0
	84"			59.1	97.6	100.0
86-5/8"	36"			81.2	100.0	100.0
	48"			72.7	100.0	100.0
	60"			65.9	100.0	100.0
	72"			60.2	99.5	100.0
	84"			55.4	91.6	100.0
96"	36"			75.8	100.0	100.0
	48"			68.4	100.0	100.0
	60"			62.3	100.0	100.0
	72"			57.2	94.5	100.0
	84"			52.9	87.4	97.9
74-5/8"	36"	120"	156"	71.6	100.0	100.0
	48"			63.9	100.0	100.0
	60"			57.7	95.4	100.0
	72"			52.6	87.0	97.4
	84"			48.4	79.9	89.5
86-5/8"	36"			65.0	100.0	100.0
	48"			58.6	96.8	100.0
	60"			53.3	88.1	98.7
	72"			48.9	80.9	90.6
	84"			45.2	74.7	83.7
96"	36"			60.5	100.0	100.0
	48"			55.0	90.8	100.0
	60"			50.3	83.2	93.1
	72"			46.4	76.7	85.9
	84"			43.0	71.1	79.7
74-5/8"	36"	120"	168"	59.4	98.2	100.0
	48"			53.2	88.0	98.5
	60"			48.2	79.7	89.3
	72"			44.1	72.9	81.6
	84"			40.6	67.1	75.2
86-5/8"	36"			53.8	88.8	99.5
	48"			48.7	80.4	90.1
	60"			44.5	73.5	82.3
	72"			40.9	67.6	75.7
	84"			37.9	62.6	70.1
96"	36"			50.0	82.7	92.6
	48"			45.6	75.4	84.4
	60"			41.9	69.2	77.5
	72"			38.7	64.0	71.7
	84"			36.0	59.5	66.6

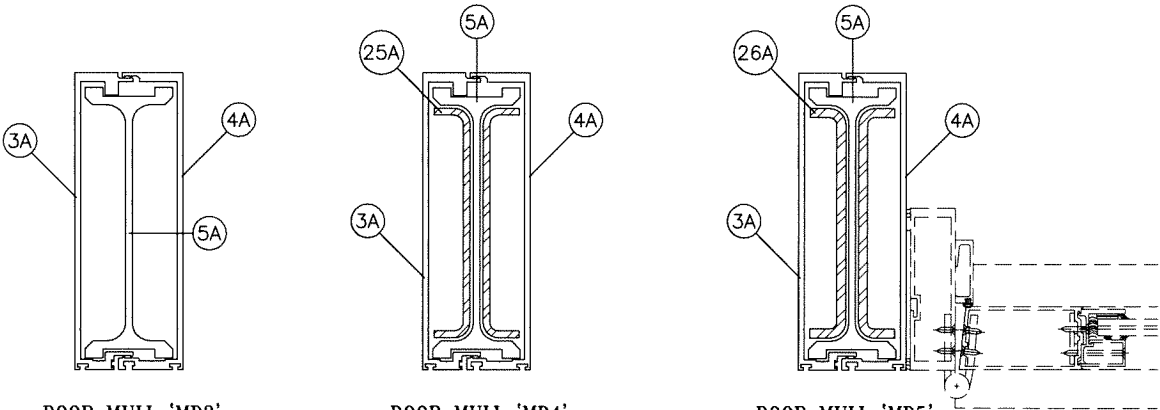
8-1/4" DOOR MULLION LOAD CAPACITY - PSF						
NOMINAL DIMS.				MULLION 'MD3'	MULLION 'MD4'	MULLION 'MD5'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	36"	120"	180"	50.4	83.3	93.3
	48"			45.3	74.9	83.9
	60"			41.2	68.0	76.2
	72"			37.7	62.3	69.8
	84"			34.8	57.4	64.3
86-5/8"	36"			45.6	75.3	84.4
	48"			41.4	68.4	76.6
	60"			37.9	62.6	70.1
	72"			34.9	57.7	64.6
	84"			32.4	53.5	59.9
96"	36"			42.4	70.1	78.5
	48"			38.7	64.0	71.7
	60"			35.6	58.9	66.0
	72"			33.0	54.6	61.1
	84"			30.7	50.8	56.9
74-5/8"	36"	120"	192"	43.6	72.0	80.7
	48"			39.2	64.8	72.6
	60"			35.7	59.0	66.0
	72"			32.7	54.1	60.5
	84"			30.2	49.9	55.9
86-5/8"	36"			39.4	65.0	72.8
	48"			35.8	59.1	66.2
	60"			32.8	54.2	60.7
	72"			30.3	50.0	56.0
	84"			28.1	46.5	52.0
96"	36"			36.6	60.5	67.7
	48"			33.5	55.3	62.0
	60"			30.8	51.0	57.1
	72"			28.6	47.3	52.9
	84"			26.7	44.1	49.4
74-5/8"	36"	120"	204"	38.2	63.1	70.7
	48"			34.4	56.9	63.7
	60"			31.3	51.8	58.0
	72"			28.7	47.5	53.2
	84"			26.6	43.9	49.1
86-5/8"	36"			34.5	57.0	63.8
	48"			31.4	51.8	58.1
	60"			28.8	47.6	53.3
	72"			26.6	43.9	49.2
	84"			24.7	40.8	45.7
96"	36"			32.0	52.9	59.3
	48"			29.3	48.5	54.3
	60"			27.1	44.7	50.1
	72"			25.1	41.5	46.5
	84"			23.4	38.7	43.3
74-5/8"	36"	120"	216"	33.8	55.9	62.7
	48"			30.5	50.4	56.5
	60"			27.8	45.9	51.4
	72"			25.5	42.2	47.2
	84"			23.6	39.0	43.6
86-5/8"	36"			30.5	50.5	56.5
	48"			27.8	46.0	51.5
	60"			25.5	42.2	47.2
	72"			23.6	39.0	43.7
	84"			21.9	36.2	40.6
96"	36"			28.4	46.9	52.5
	48"			26.0	43.0	48.1
	60"			24.0	39.7	44.4
	72"			22.3	36.8	41.2
	84"			20.8	34.4	38.5

8-1/4" DOOR MULLION LOAD CAPACITY - PSF						
NOMINAL DIMS.				MULLION 'MD3'	MULLION 'MD4'	MULLION 'MD5'
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
74-5/8"	36"	120"	228"	30.3	40.0	40.0
	48"			27.3	40.0	40.0
	60"			24.9	40.0	40.0
	72"			22.8	37.8	40.0
	84"			21.1	34.9	39.1
86-5/8"	36"			27.3	40.0	40.0
	48"			24.9	40.0	40.0
	60"			22.8	37.8	40.0
	72"			21.1	34.9	39.1
	84"			25.4	40.0	40.0
96"	36"			23.3	38.4	40.0
	48"			21.5	35.5	39.7
	60"			-	33.0	36.9
	72"			27.3	40.0	40.0
	84"			24.6	40.0	40.0
74-5/8"	36"	120"	240"	22.4	37.1	40.0
	48"			20.6	34.0	38.1
	60"			-	31.5	35.2
	72"			24.6	40.0	40.0
	84"			22.4	37.1	40.0
86-5/8"	36"			20.6	34.0	38.1
	48"			-	31.5	35.2
	60"			22.9	37.8	40.0
	72"			21.0	34.7	38.8
	84"			-	32.0	35.8

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



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



DOOR MULL 'MD3'

MD3	ALUM
Ix IN^4	66.395
Sx IN^3	14.622

DOOR MULL 'MD4'

	Ix IN^4	Sx IN^3
ALUMINUM	66.395	14.622
STEEL	14.943	4.426
TOTAL		
Ix ALUM + Ix STL X 2.9	109.729	

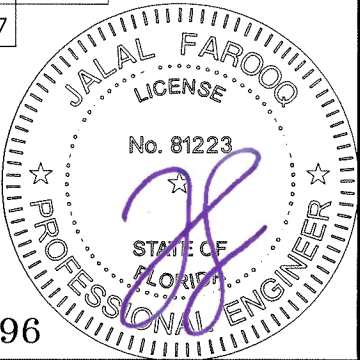
DOOR MULL 'MD5'

	Ix IN^4	Sx IN^3
ALUMINUM	66.395	14.622
STEEL	19.480	5.717
TOTAL		
Ix ALUM + Ix STL X 2.9	122.887	

REINF. LENGTH = MULL LENGTH-6"

Sealed: 9/25/2026

FL #16196



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

SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:

no	date	by	description

date: 08-24-17

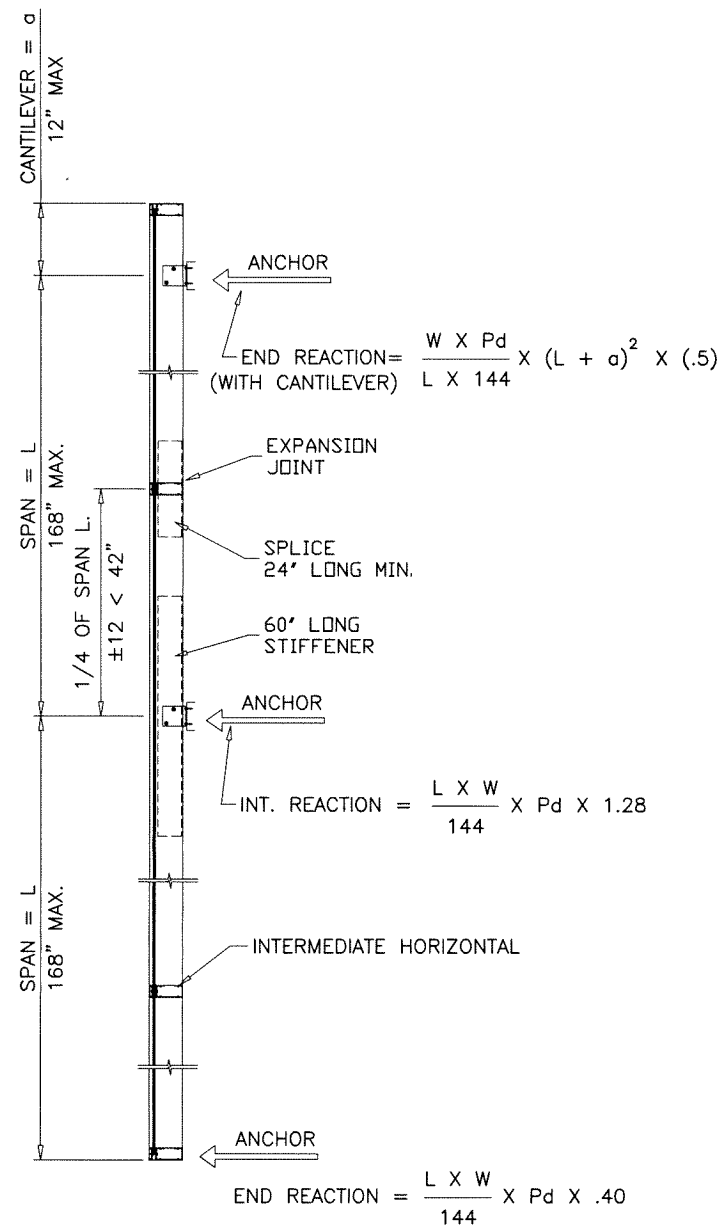
scale: -

dr. by: TARIQ

chk. by:

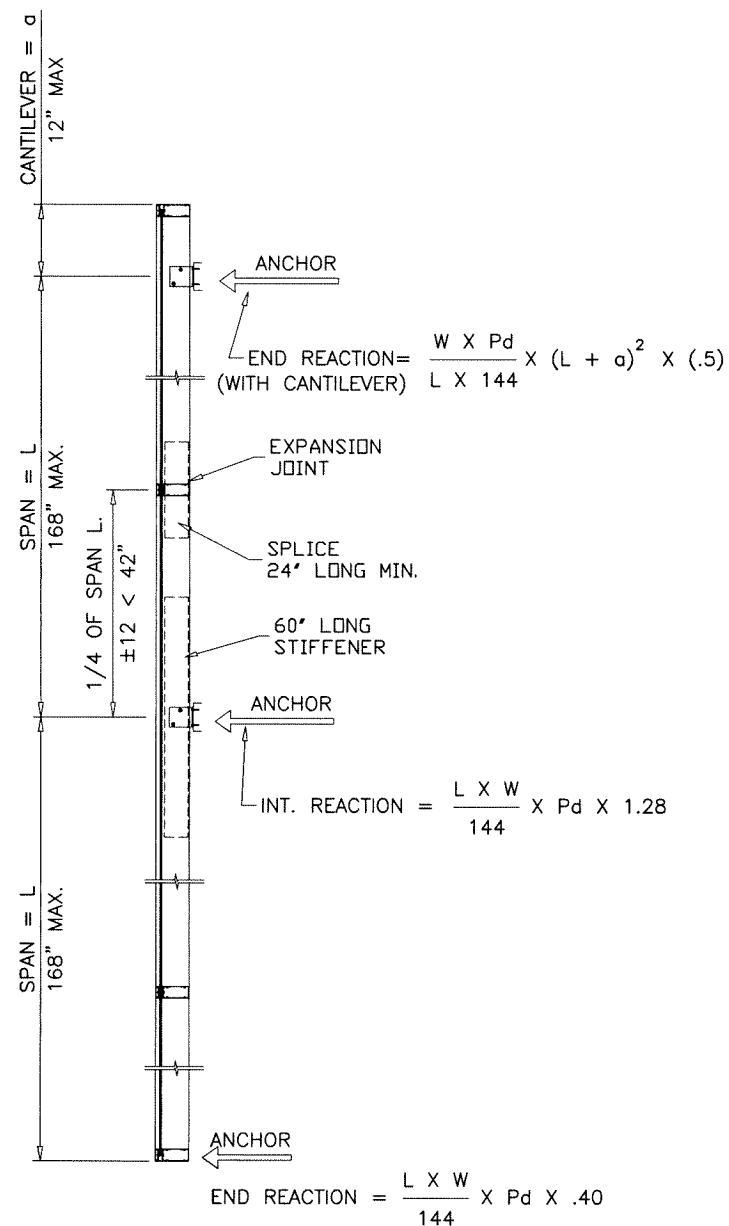
drawing no. **W17-76**

sheet **8.4** of **24**



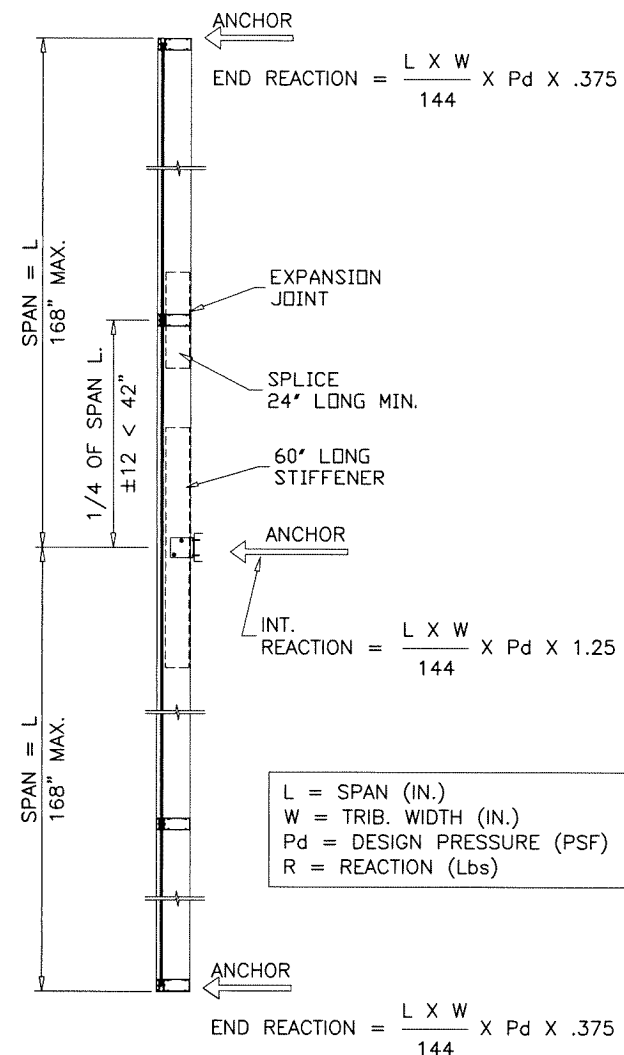
MULTIPLE SPANS

MULTIPLE SPANS WITH OR WITHOUT CANTILEVER
USE TABLE ON SHEET 6.



TWO SPANS

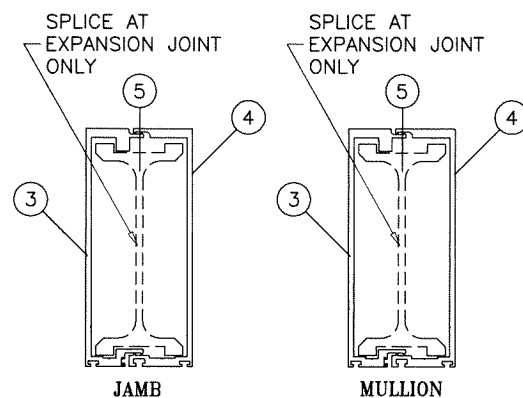
TWO SPANS WITH CANTILEVER, WITH
AND WITHOUT SPLICE/EXPANSION JOINT
USE TABLE ON SHEET 6.



TWO SPANS

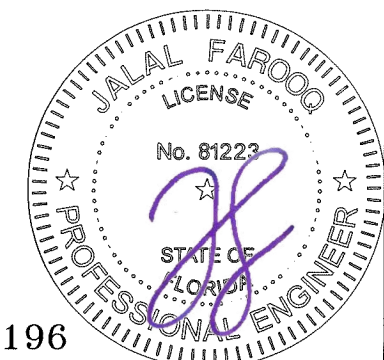
TWO SPANS WITHOUT CANTILEVER, WITH
AND WITHOUT SPLICE/EXPANSION JOINT
USE TABLE ON SHEET 6.

INTERMEDIATE HORIZONTAL IS AN INTEGRAL PART OF TWO OR MULTIPLE SPANS.
UNEQUAL SPANS TO BE CHECKED ON JOB TO JOB BASIS
UNDER SEPARATE APPROVAL TO BE REVIEWED BY BUILDING OFFICIAL
END REACTIONS MAY CHANGE WITH LOCATION OF
EXPANSION JOINT AND LENGTH OF CANTILEVER
WORST CONDITION SHOWN.



6-5/8" MULLION SYSTEM

Sealed: 9/25/2026



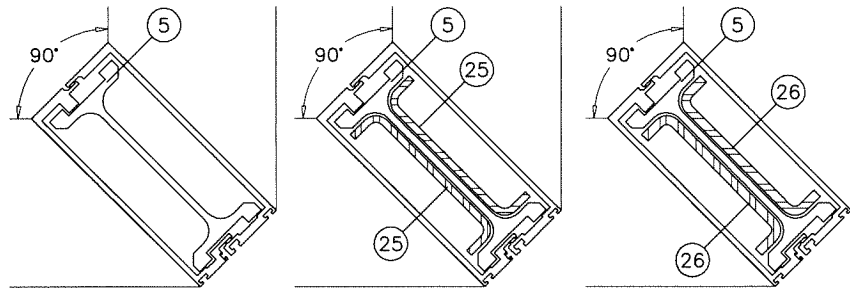
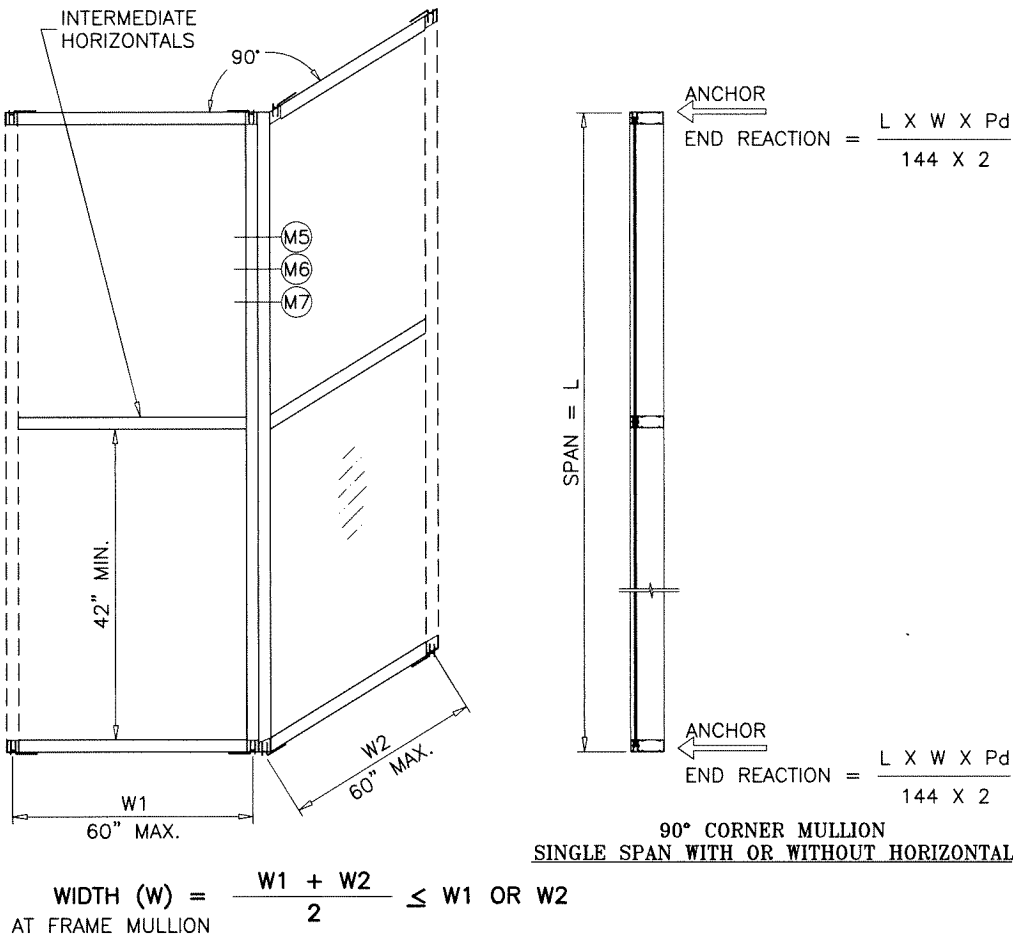
FL #16196

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\W17-76GTE			
SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.) Glass Tech Engineering, Inc. 8321 N.W. 70th Street Miami, FL. 33166 Tel. (305) 594-4321 Fax. (305) 599-2730			
date: 08-24-17 scale: - dr. by: TARIQ chk. by:		revisions: no date by description	
drawing no. W17-76		sheet 9 of 24	

CORNER MULLION LOAD CAPACITY - PSF SINGLE SPANS WITH OR W/O HORIZONTAL				
NOMINAL DIMS.		MULLION 'CM1'	MULLION 'CM2'	MULLION 'CM3'
WIDTH (W)	SPAN = L	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	120"	120.0	120.0	120.0
42"		120.0	120.0	120.0
48"		120.0	120.0	120.0
54"		120.0	120.0	120.0
60"		120.0	120.0	120.0
66"		120.0	120.0	120.0
72"		120.0	120.0	120.0
84"		120.0	120.0	120.0
36"	126"	120.0	120.0	120.0
42"		120.0	120.0	120.0
48"		120.0	120.0	120.0
54"		120.0	120.0	120.0
60"		120.0	120.0	120.0
66"		120.0	120.0	120.0
72"		120.0	120.0	120.0
84"		120.0	120.0	120.0
36"	132"	120.0	120.0	120.0
42"		120.0	120.0	120.0
48"		120.0	120.0	120.0
54"		120.0	120.0	120.0
60"		120.0	120.0	120.0
66"		120.0	120.0	120.0
72"		120.0	120.0	120.0
84"		120.0	120.0	120.0
36"	138"	120.0	120.0	120.0
42"		120.0	120.0	120.0
48"		120.0	120.0	120.0
54"		120.0	120.0	120.0
60"		120.0	120.0	120.0
66"		120.0	120.0	120.0
72"		120.0	120.0	120.0
84"		117.5	120.0	120.0
36"	144"	109.1	120.0	120.0
42"		120.0	120.0	120.0
48"		120.0	120.0	120.0
54"		120.0	120.0	120.0
60"		120.0	120.0	120.0
66"		120.0	120.0	120.0
72"		116.9	120.0	120.0
84"		107.9	120.0	120.0
36"	144"	100.2	117.0	120.0
42"		120.0	120.0	120.0
48"		120.0	120.0	120.0
54"		120.0	120.0	120.0
60"		120.0	120.0	120.0
66"		120.0	120.0	120.0
72"		116.9	120.0	120.0
84"		107.9	120.0	120.0

NOTE:
LOADS SHOWN ARE BASED ON
EQUAL PANELS ON EACH SIDE
OF CORNER

ALL OTHER CONDITIONS TO BE
REVIEWED BY AUTHORITY HAVING
JURISDICTION.



MULLION 'CM1'

M5	ALUM
Ix IN ⁴	18.8266
Sx IN ³	5.7635
Iy IN ⁴	17.8252
Sy IN ³	5.419

MULLION 'CM2'

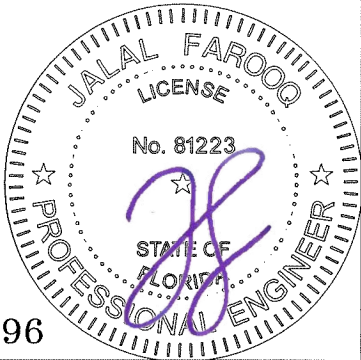
M6	ALUM	STEEL
Ix IN ⁴	18.8266	3.1668
Sx IN ³	5.7635	1.4222
Iy IN ⁴	17.8252	3.1668
Sy IN ³	5.419	1.4222

MULLION 'CM3'

M7	ALUM	STEEL
Ix IN ⁴	18.8266	3.8646
Sx IN ³	5.7635	1.7509
Iy IN ⁴	17.8252	3.8646
Sy IN ³	5.419	1.7509

REINF. LENGTH = MULL LENGTH-6"

Sealed: 9/25/2026



FL #16196

af c

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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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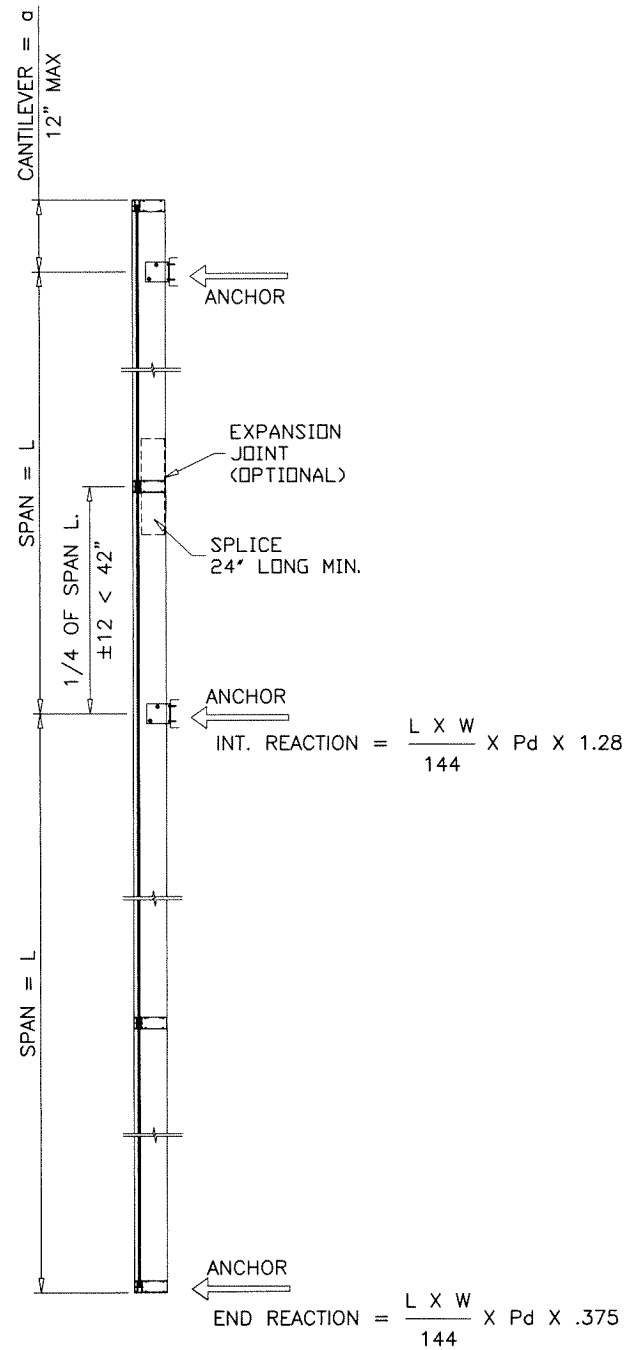
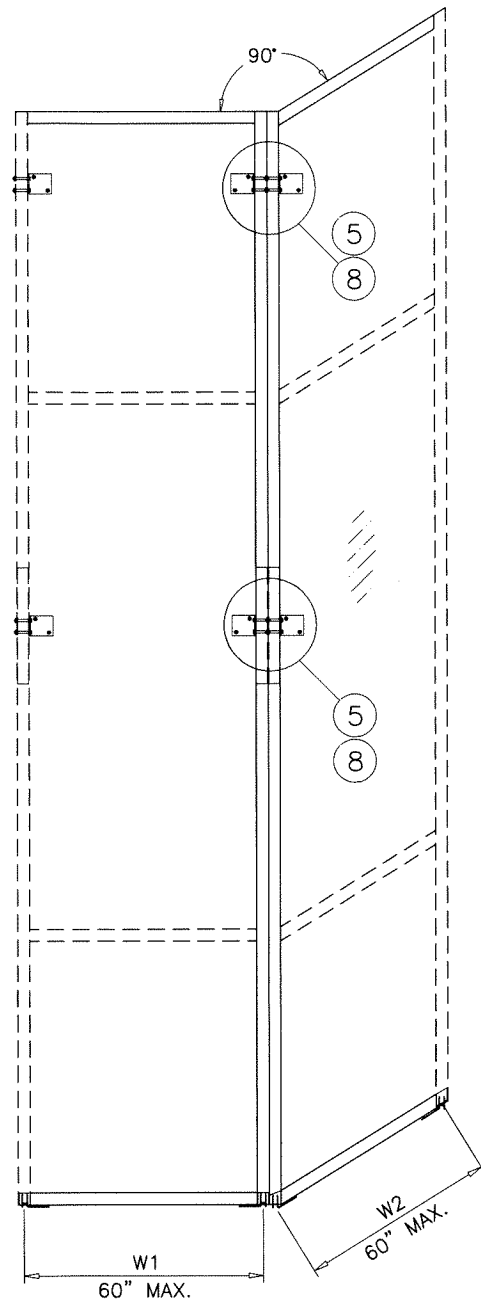
SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL. 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

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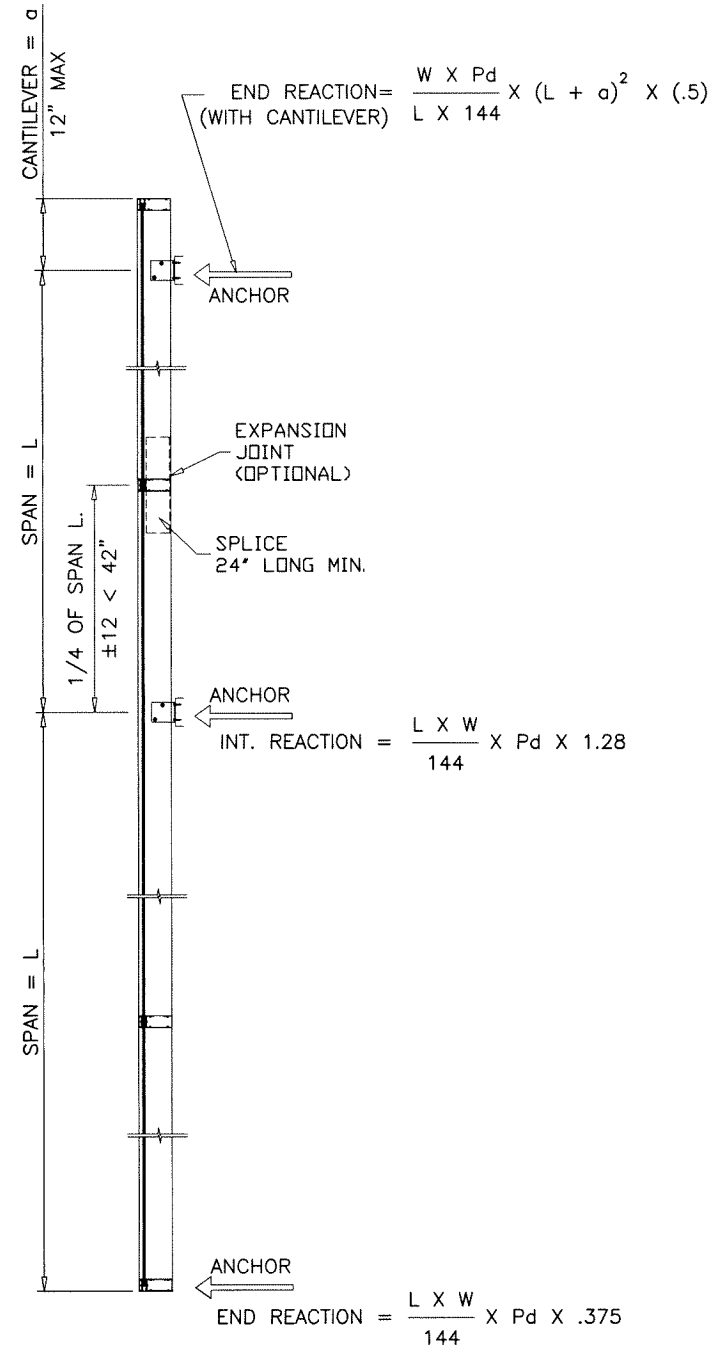
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scale: -
dr. by: TARIQ
chk. by:

drawing no.
W17-76
sheet 10 of 24



MULTIPLE SPANS

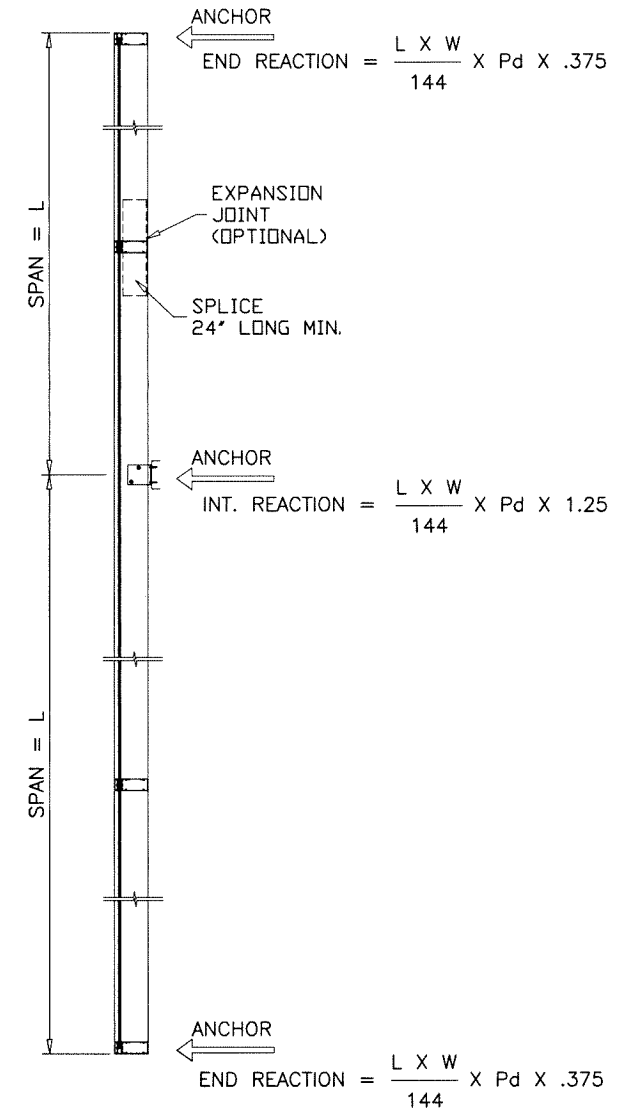
MULTIPLE SPANS WITH OR WITHOUT CANTILEVER
USE TABLE ON SHEET 10



TWO SPANS

W/ CANTILEVER

TWO SPANS WITH CANTILEVER, WITH
AND WITHOUT SPLICE/EXPANSION JOINT
USE TABLE ON SHEET 10



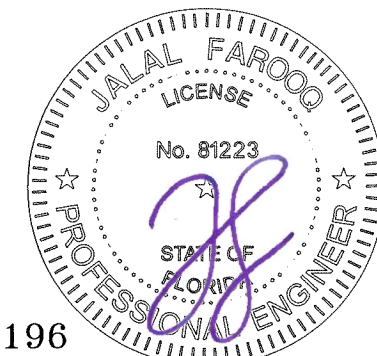
TWO SPANS

W/O CANTILEVER

TWO SPANS WITHOUT CANTILEVER, WITH
AND WITHOUT SPLICE/EXPANSION JOINT
USE TABLE ON SHEET 10

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date: 08-24-17
scale: -
dr. by: TARIQ
chk. by:

drawing no.

W17-76

sheet 11 of 24

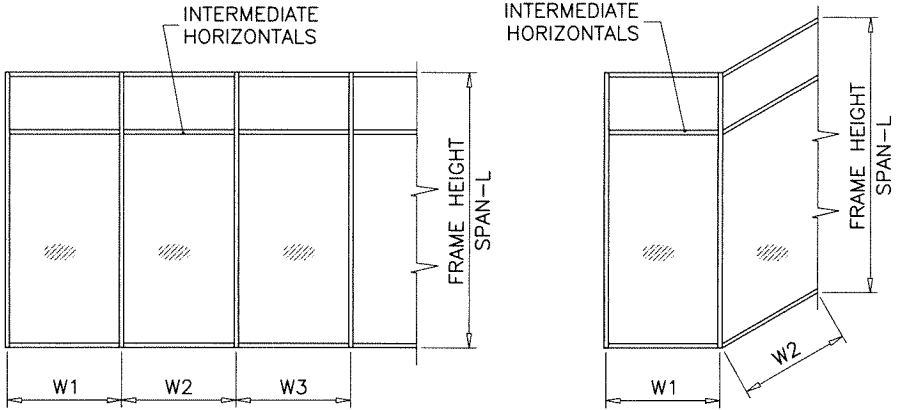
COMP-ANL\W17-76GTE

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)					
NOMINAL DIMS.		ANCHOR TYPES			
WIDTH (W)	FRAME HT. SPAN–L	'A'	'AA'	'B'	'BB'
36"	96"	145.0	145.0	145.0	145.0
42"		145.0	145.0	145.0	145.0
48"		145.0	145.0	145.0	145.0
54"		142.8	145.0	145.0	145.0
60"		128.5	145.0	145.0	145.0
66"		116.8	145.0	145.0	145.0
72"		107.1	145.0	145.0	145.0
78"		98.8	145.0	145.0	145.0
84"		91.8	145.0	145.0	145.0
36"	108"	145.0	145.0	145.0	145.0
42"		145.0	145.0	145.0	145.0
48"		142.8	145.0	145.0	145.0
54"		126.9	145.0	145.0	145.0
60"		114.2	145.0	145.0	145.0
66"		103.8	145.0	145.0	145.0
72"		95.2	145.0	145.0	145.0
78"		87.9	145.0	145.0	145.0
84"		81.6	145.0	137.5	145.0
36"	120"	145.0	145.0	145.0	145.0
42"		145.0	145.0	145.0	145.0
48"		128.5	145.0	145.0	145.0
54"		114.2	145.0	145.0	145.0
60"		102.8	145.0	145.0	145.0
66"		93.5	145.0	145.0	145.0
72"		85.7	145.0	144.4	145.0
78"		79.1	145.0	133.3	145.0
84"		73.4	145.0	123.8	145.0
36"	132"	145.0	145.0	145.0	145.0
42"		133.5	145.0	145.0	145.0
48"		116.8	145.0	145.0	145.0
54"		103.8	145.0	145.0	145.0
60"		93.5	145.0	145.0	145.0
66"		85.0	145.0	143.2	145.0
72"		77.9	145.0	131.3	145.0
78"		71.9	143.8	121.2	145.0
84"		66.8	133.5	112.5	145.0
36"	144"	142.8	145.0	145.0	145.0
42"		122.4	145.0	145.0	145.0
48"		107.1	145.0	145.0	145.0
54"		95.2	145.0	145.0	145.0
60"		85.7	145.0	144.4	145.0
66"		77.9	145.0	131.3	145.0
72"		71.4	142.8	120.3	145.0
78"		65.9	131.8	111.1	145.0
84"		61.2	122.4	103.1	145.0
36"	156"	131.8	145.0	145.0	145.0
42"		113.0	145.0	145.0	145.0
48"		98.8	145.0	145.0	145.0
54"		87.9	145.0	145.0	145.0
60"		79.1	145.0	133.3	145.0
66"		71.9	143.8	121.2	145.0
72"		65.9	131.8	111.1	145.0
78"		60.8	121.7	102.5	145.0
84"		56.5	113.0	95.2	145.0

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)					
NOMINAL DIMS.		ANCHOR TYPES			
WIDTH (W)	FRAME HT. SPAN–L	'A'	'AA'	'B'	'BB'
36"	168"	122.4	145.0	145.0	145.0
42"		104.9	145.0	145.0	145.0
48"		91.8	145.0	145.0	145.0
54"		81.6	145.0	137.5	145.0
60"		73.4	145.0	123.8	145.0
66"		66.8	133.5	112.5	145.0
72"		61.2	122.4	103.1	145.0
78"		56.5	113.0	95.2	145.0
84"		52.4	104.9	88.4	145.0
36"	180"	114.2	145.0	145.0	145.0
42"		97.9	145.0	145.0	145.0
48"		85.7	145.0	144.4	145.0
54"		76.1	145.0	128.4	145.0
60"		68.5	137.1	115.5	145.0
66"		62.3	124.6	105.0	145.0
72"		57.1	114.2	96.3	145.0
78"		52.7	105.4	88.9	145.0
84"		49.0	97.9	82.5	145.0
36"	192"	107.1	145.0	145.0	145.0
42"		91.8	145.0	145.0	145.0
48"		80.3	145.0	135.4	145.0
54"		71.4	142.8	120.3	145.0
60"		64.3	128.5	108.3	145.0
66"		58.4	116.8	98.5	145.0
72"		53.5	107.1	90.3	145.0
78"		49.4	98.8	83.3	145.0
84"		45.9	91.8	77.4	145.0
36"	204"	100.8	145.0	145.0	145.0
42"		86.4	145.0	145.0	145.0
48"		75.6	145.0	127.4	145.0
54"		67.2	134.4	113.3	145.0
60"		60.5	120.9	101.9	145.0
66"		55.0	109.9	92.7	145.0
72"		50.4	100.8	84.9	145.0
78"		46.5	93.0	78.4	145.0
84"		43.2	86.4	72.8	145.0
36"	216"	95.2	145.0	145.0	145.0
42"		81.6	145.0	137.5	145.0
48"		71.4	142.8	120.3	145.0
54"		63.5	126.9	107.0	145.0
60"		57.1	114.2	96.3	145.0
66"		51.9	103.8	87.5	145.0
72"		47.6	95.2	80.2	145.0
78"		43.9	87.9	74.1	145.0
84"		40.8	81.6	68.8	137.5

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)					
NOMINAL DIMS.		ANCHOR TYPES			
WIDTH (W)	FRAME HT. SPAN–L	'A'	'AA'	'B'	'BB'
36"	228"	90.2	145.0	145.0	145.0
42"		77.3	145.0	130.3	145.0
48"		67.6	135.3	114.0	145.0
54"		60.1	120.2	101.3	145.0
60"		54.1	108.2	91.2	145.0
66"		49.2	98.4	82.9	145.0
72"		45.1	90.2	76.0	145.0
78"		41.6	83.2	70.2	140.3
84"		38.6	77.3	65.1	130.3
36"	240"	85.7	145.0	144.4	145.0
42"		73.4	145.0	123.8	145.0
48"		64.3	128.5	108.3	145.0
54"		57.1	114.2	96.3	145.0
60"		51.4	102.8	86.6	145.0
66"		46.7	93.5	78.8	145.0
72"		42.8	85.7	72.2	144.4
78"		39.5	79.1	66.6	133.3
84"		36.7	73.4	61.9	123.8

HEAD AND SILL ANCHOR LOAD CAPACITY CHARTS ARE APPLICABLE TO SINGLE AND MULTIPLE SPAN CONDITIONS.



WIDTH (W) = W1
AT FRAME JAMB

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

WIDTH (W) = $\frac{W1 + W2}{2}$
AT FRAME MULLION

HEAD & SILL ANCHOR LOADS

ANCHOR 'A' (1 PER LEG)
ANCHOR 'AA' (2 PER LEG)
DIRECTLY INTO CONCRETE (f'c = 3000 PSI MIN.)
1/2" DIA. SCREW-BOLT+ ANCHOR BY 'DEWALT'
WITH 4-1/4" MIN. EMBED INTO CONCRETE.
4-1/2" MIN. EDGE DIST.
5" MIN. CL TO CL SPACING

ANCHOR 'B' (1 PER LEG)
ANCHOR 'BB' (2 PER LEG)
INTO METAL STRUCTURES (STEEL 1/8" MIN. THICKNESS)
1/2" DIA. MACHINE BOLT GRADE 5 W/ WASHER & NUT
1" MIN. EDGE DIST.

SEE SHEET 12.1 FOR DETAILS

Sealed: 9/25/2026



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Miami, FL. 33166
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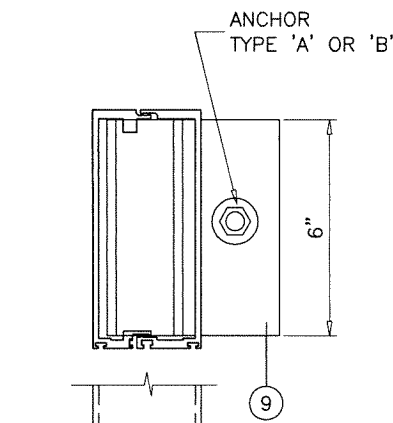
revisions:
no date by description

date: 08-24-17
scale: -
dr. by: TARIQ
chk. by:

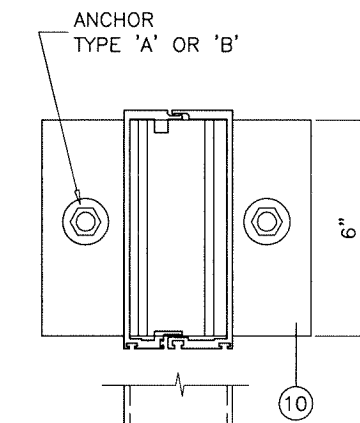
drawing no.
W17-76

sheet 12 of 24

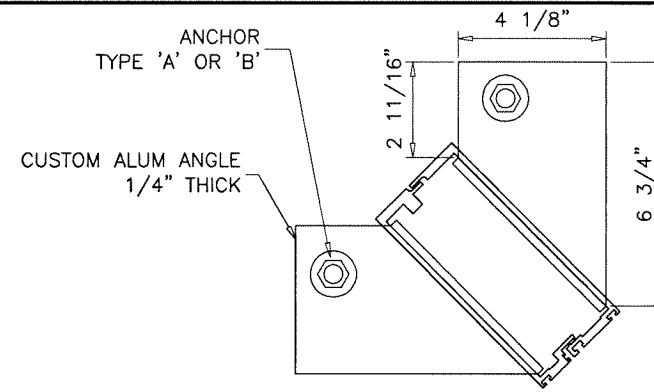
COMP-ANL\W17-76GTE



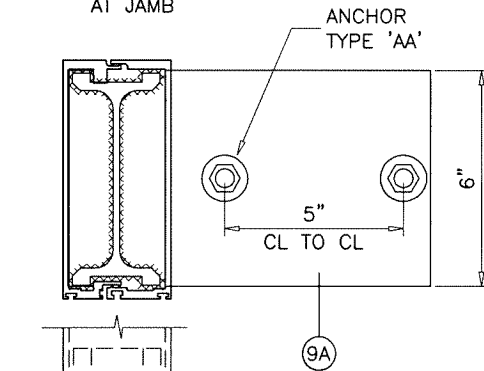
DETAIL '1'
AT JAMB



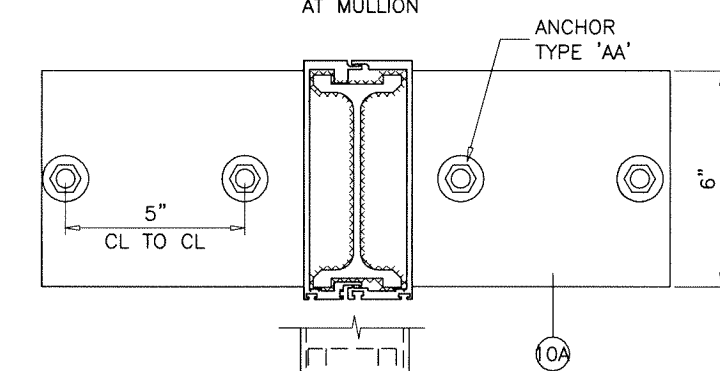
DETAIL '2'
AT MULLION



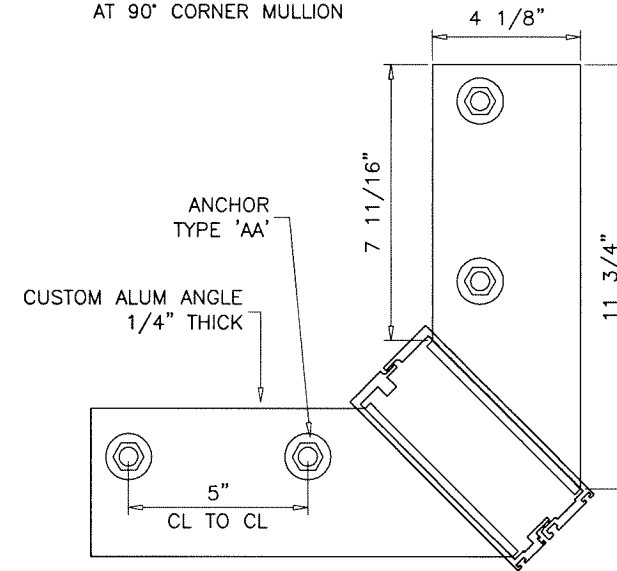
DETAIL '3'
AT 90° CORNER MULLION



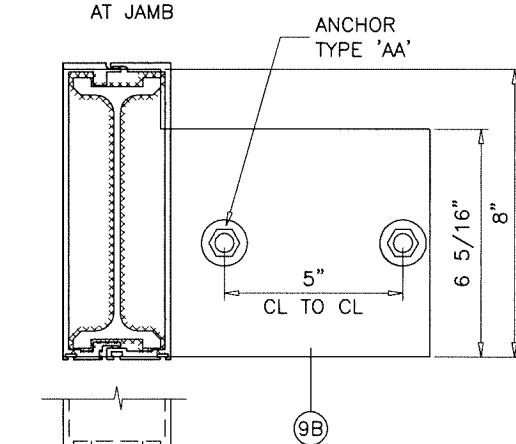
DETAIL '1'
AT JAMB



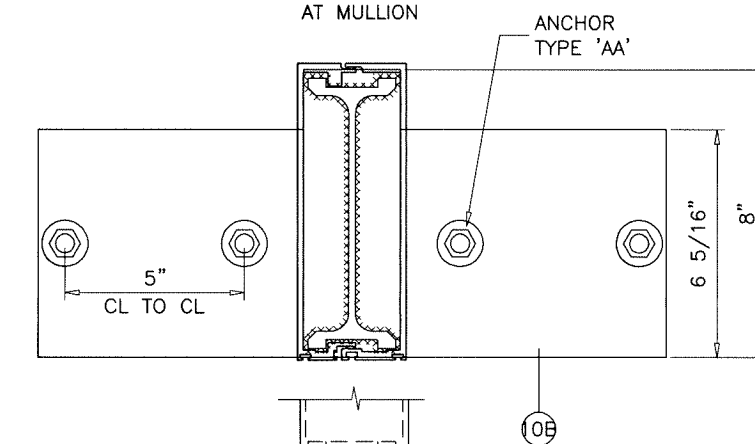
DETAIL '2'
AT MULLION



DETAIL '3'
AT 90° CORNER MULLION

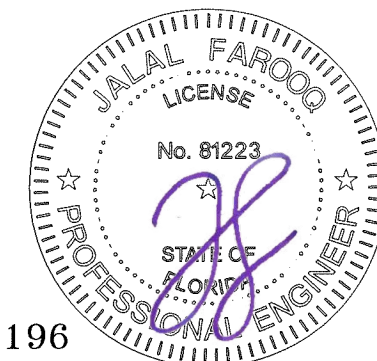


DETAIL '1'
AT JAMB



DETAIL '2'
AT MULLION

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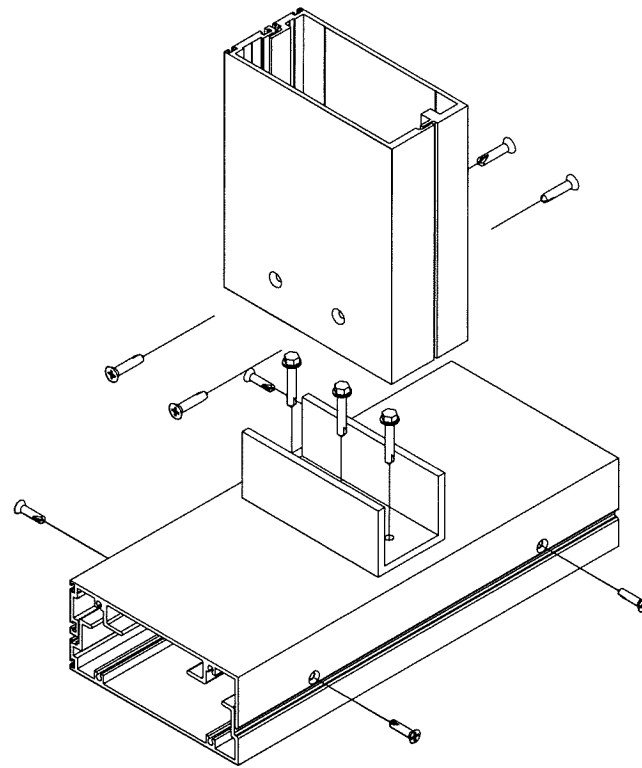
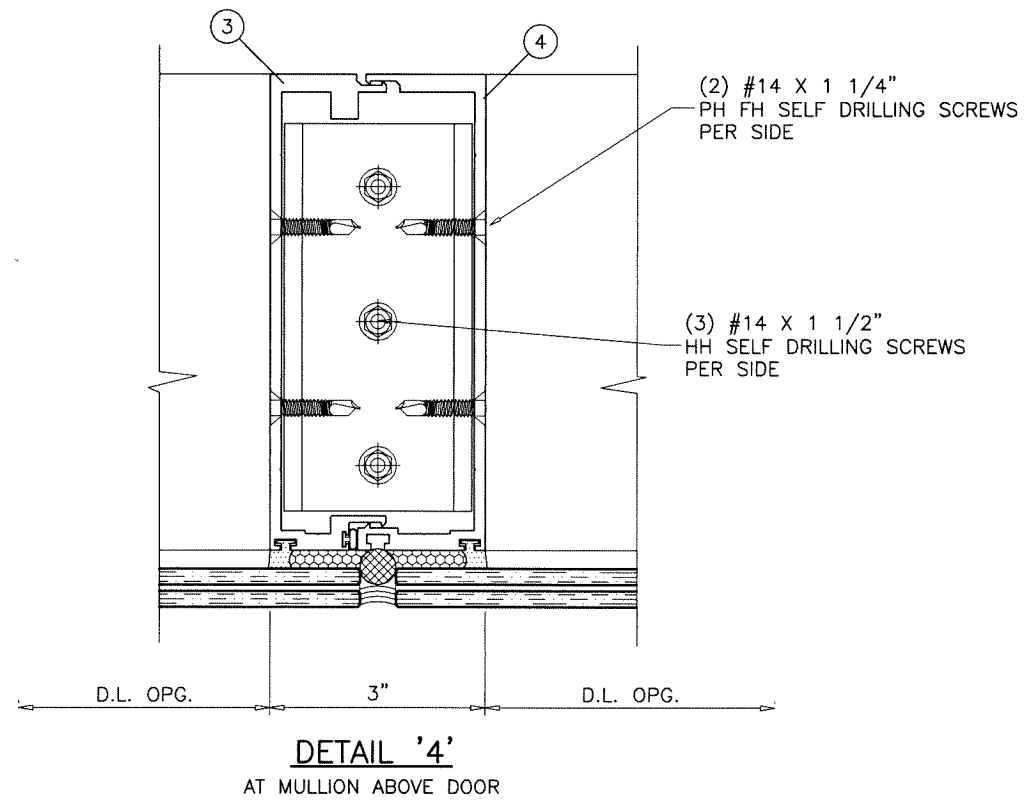
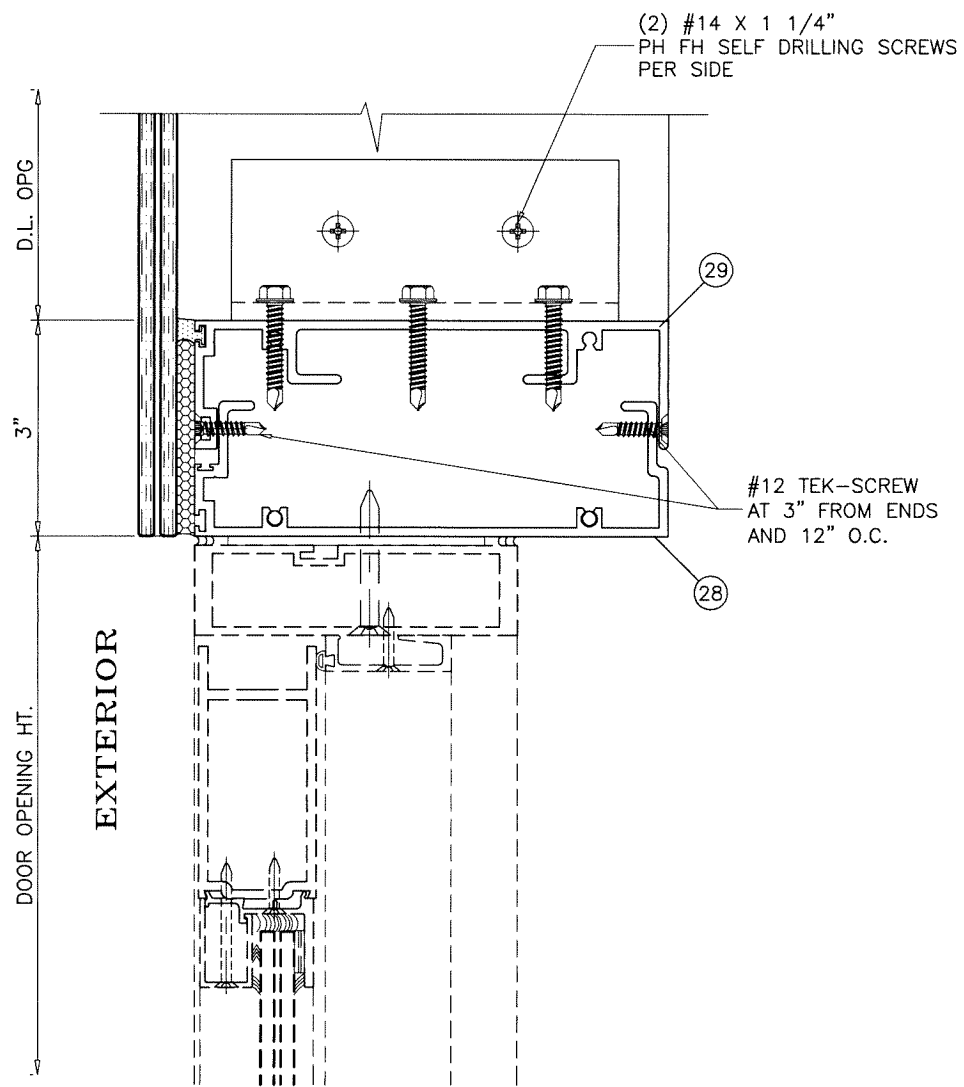
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ENGINEERS & PRODUCT DEVELOPMENT
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MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
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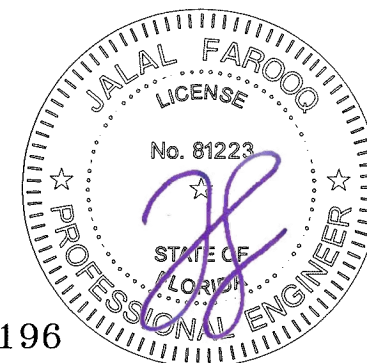
SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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date:	08-24-17	scale:	-
dr. by:	TARIQ	chk. by:	
drawing no.	W17-76		
sheet	12.1 of 24		



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revisions:
no date by description

date: 08-24-17

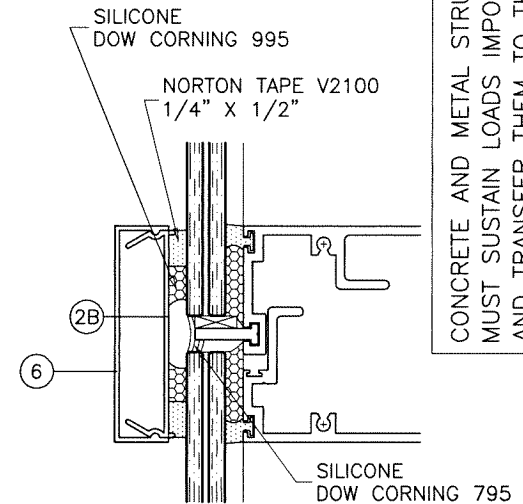
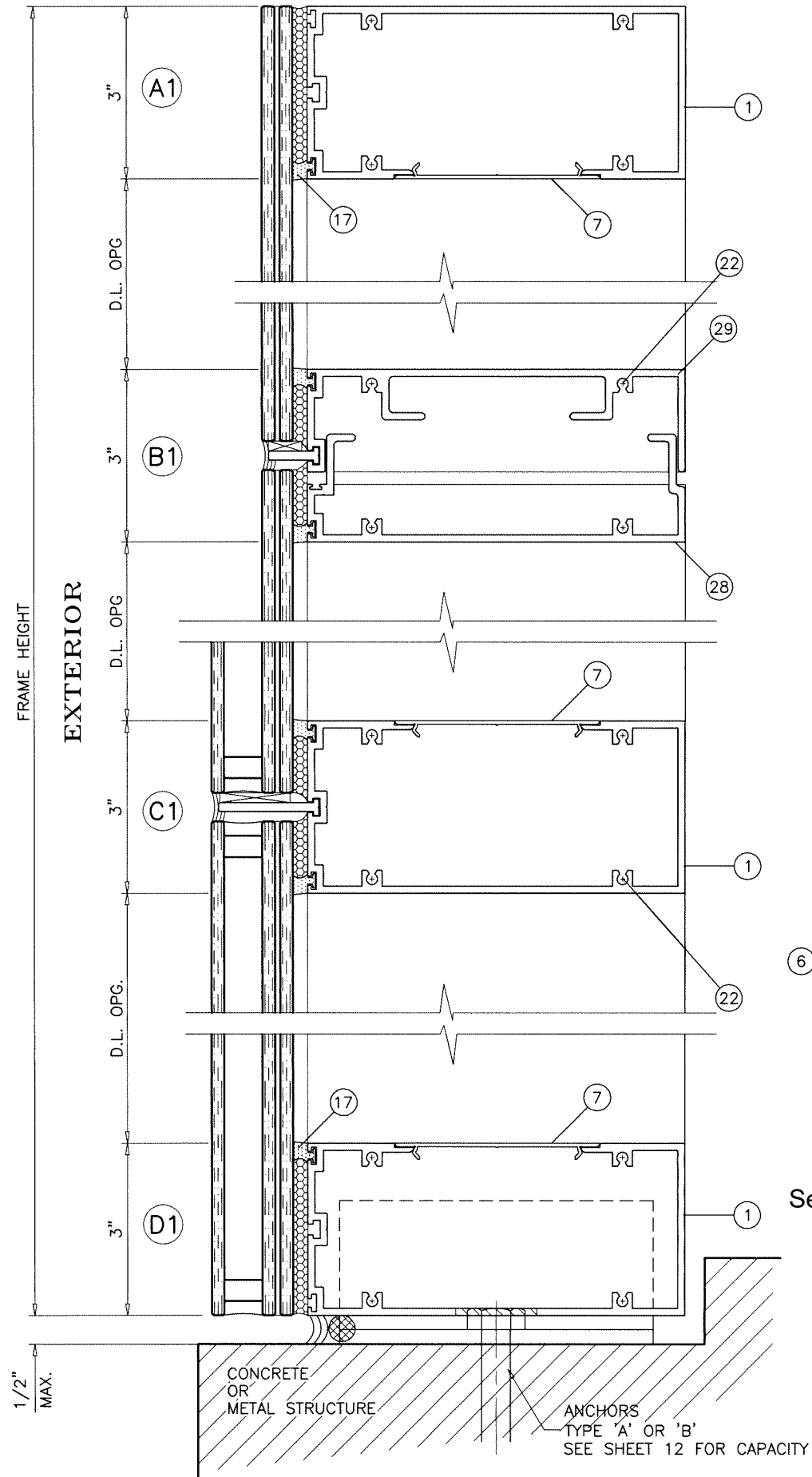
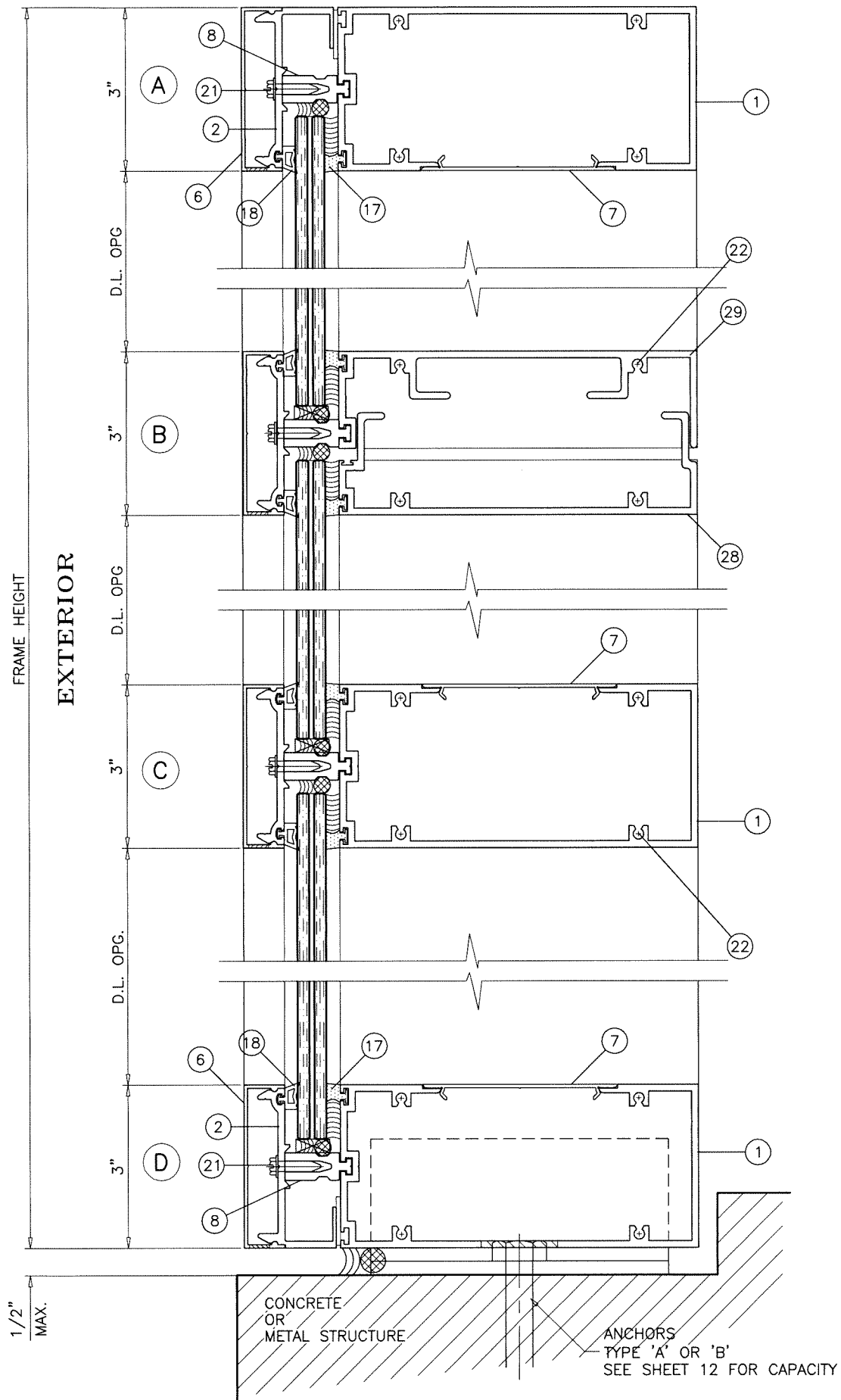
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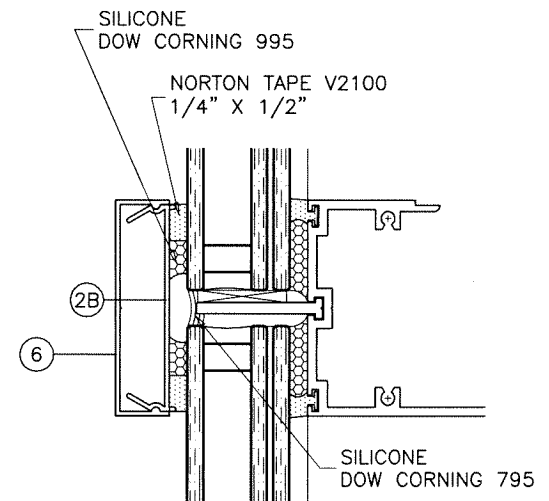
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drawing no.
W17-76

sheet 12.2 of 24



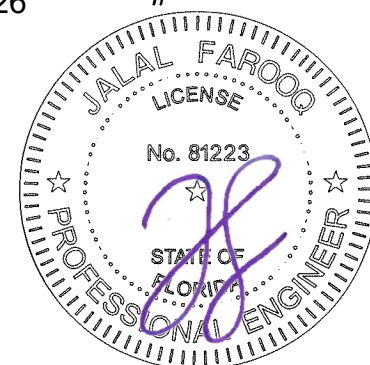
DECORATIVE CAP OPTION AT LAM. GLASS



DECORATIVE CAP OPTION AT INSUL. LAM. GLASS

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

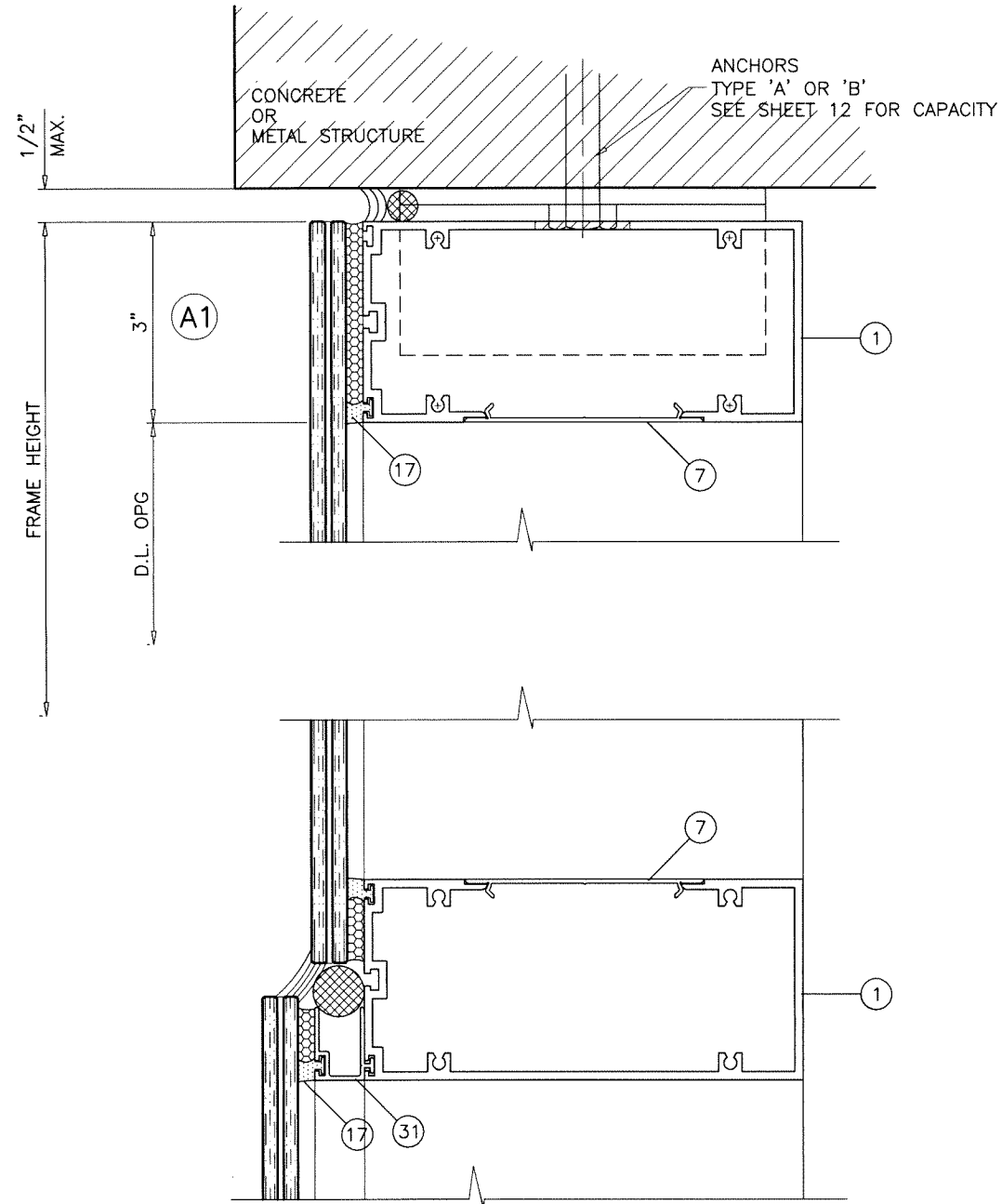
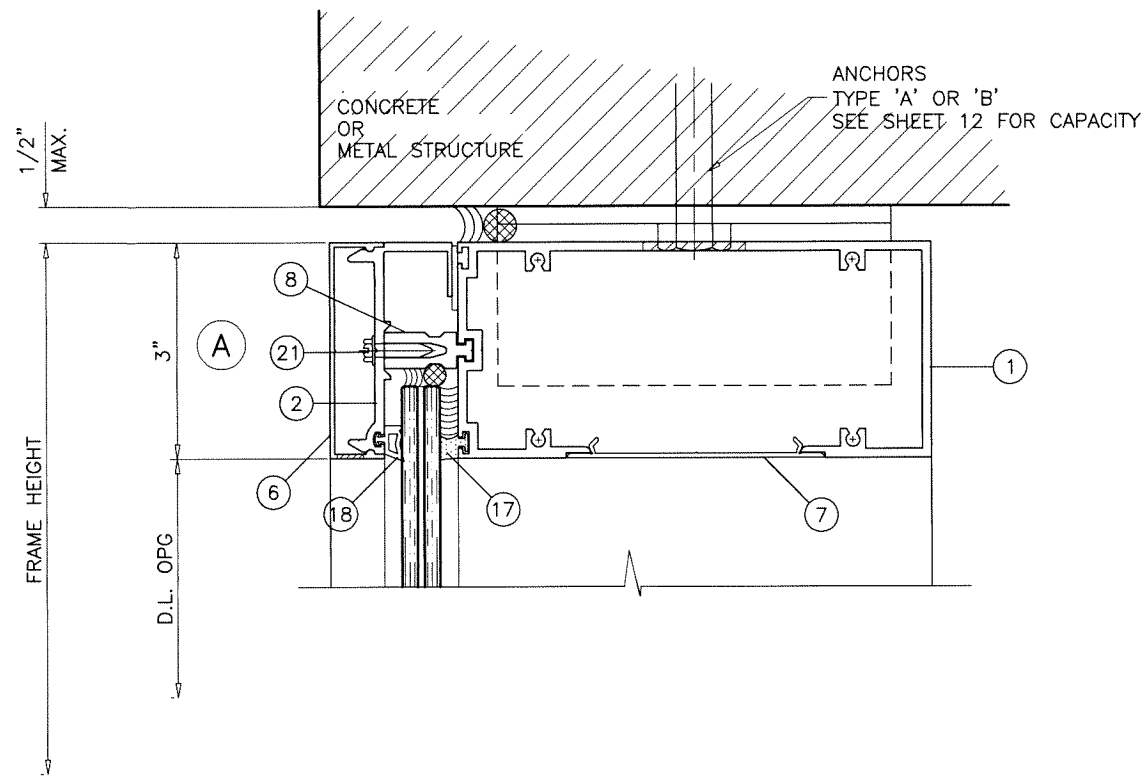
Sealed: 9/25/2026 FL #16196



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date:	08-24-17	no	date
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dr. by:	TARIQ		
chk. by:			
drawing no.		W17-76	
sheet 13 of 24			

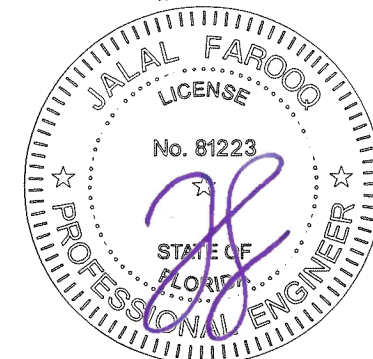


SPANDREL INFILL DETAIL

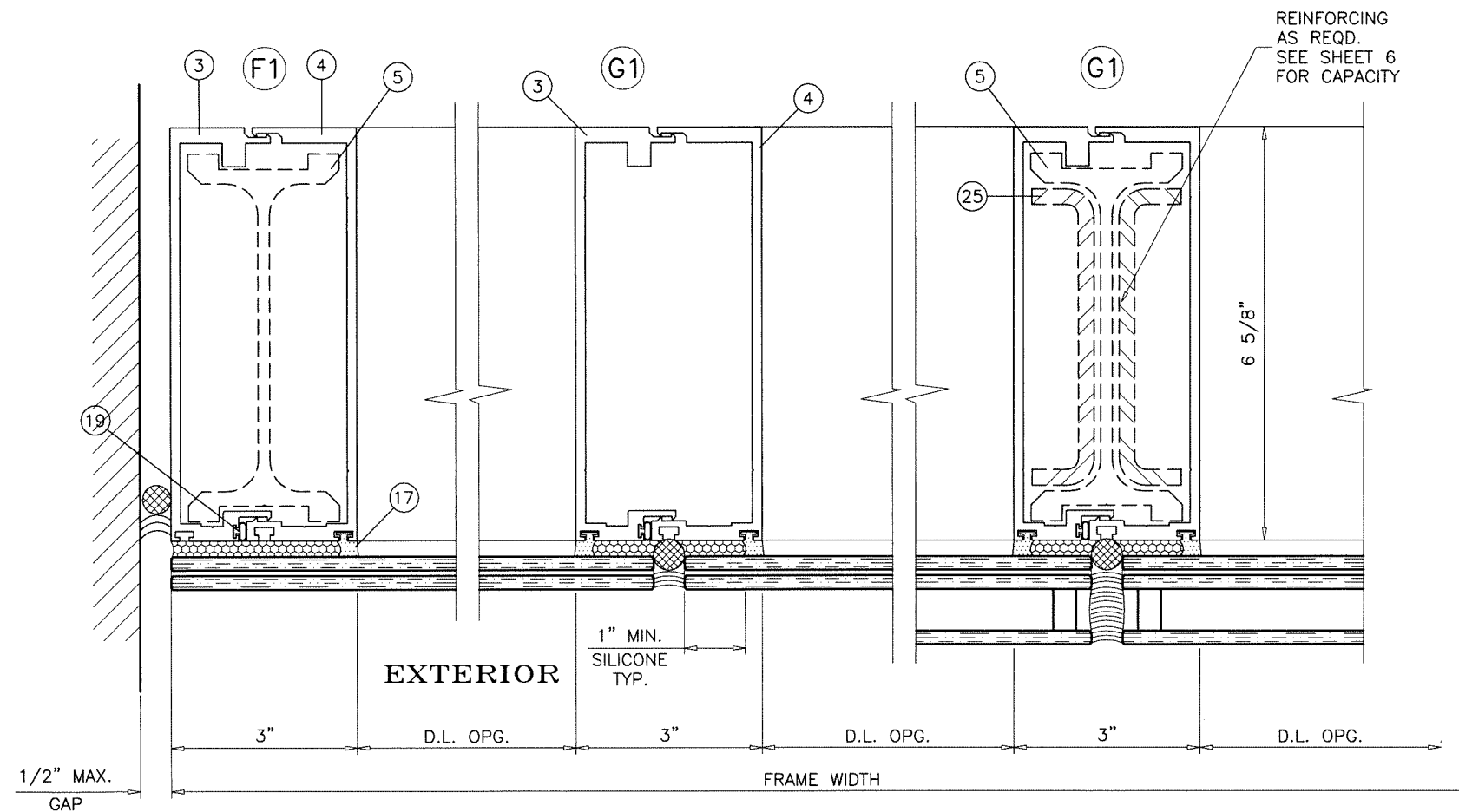
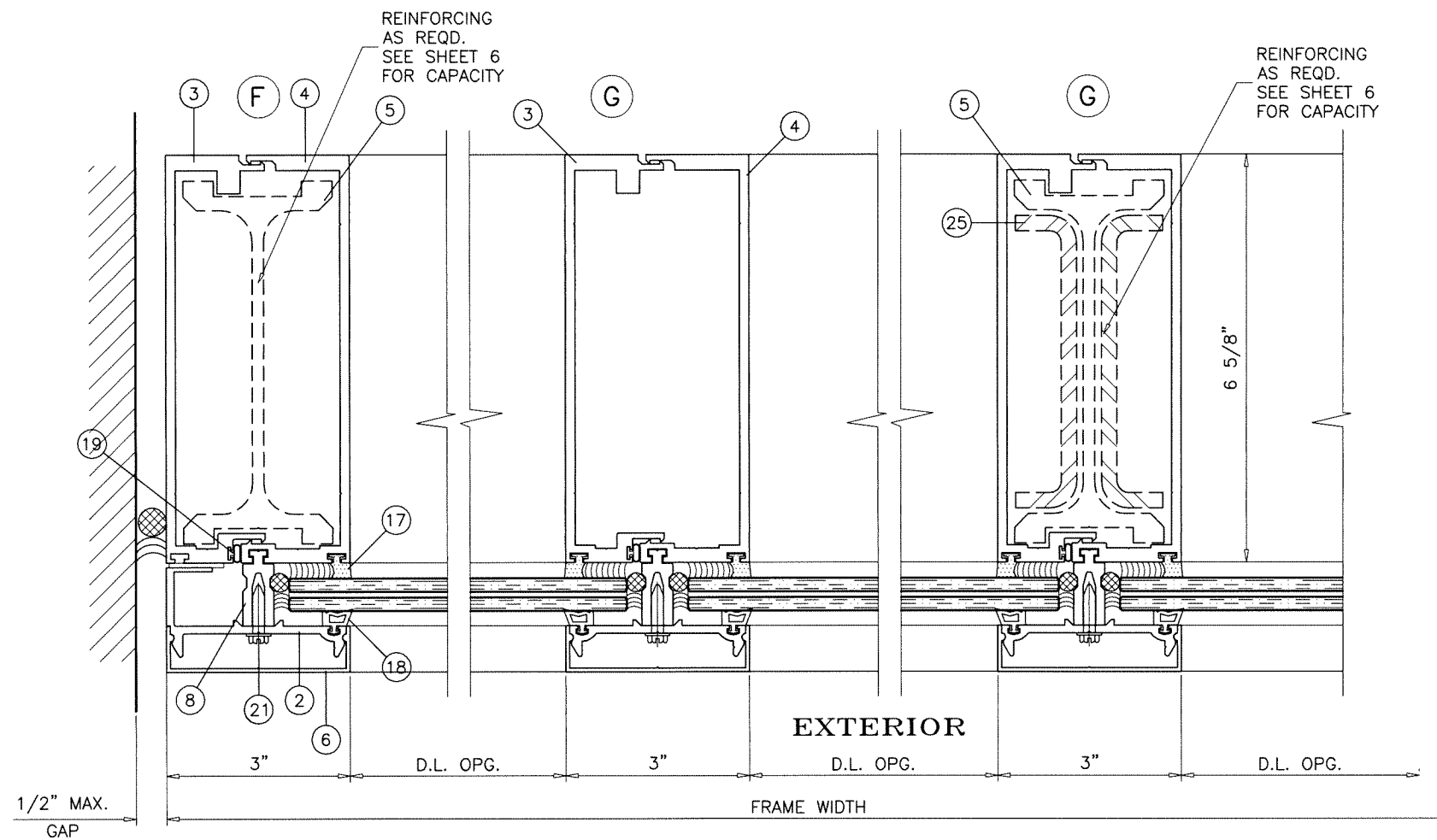
CONCRETE AND METAL STRUCTURE NOT BY GLASSTECH MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

Sealed: 9/25/2026

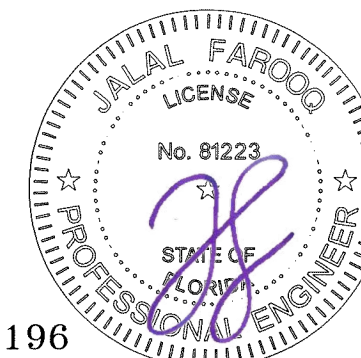
FL #16196



AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978 (C.A.N. 3538)		af c	
SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)		COMP-ANL\W17-76GTE	
Glass Tech Engineering, Inc. 8321 N.W. 70th Street Miami, FL. 33166 Tel. (305) 594-4321 Fax. (305) 599-2730		CONCRETE AND METAL STRUCTURE NOT BY GLASSTECH MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.	
date: 08-24-17 scale: 3/8" = 1" dr. by: TARIQ chk. by:	no date by description	no date by description	no date by description
drawing no. W17-76		sheet 13.1 of 24	



Sealed: 9/25/2026



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AL-FAROOQ CORPORATION
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COMP-ANL W17-76GTE

SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

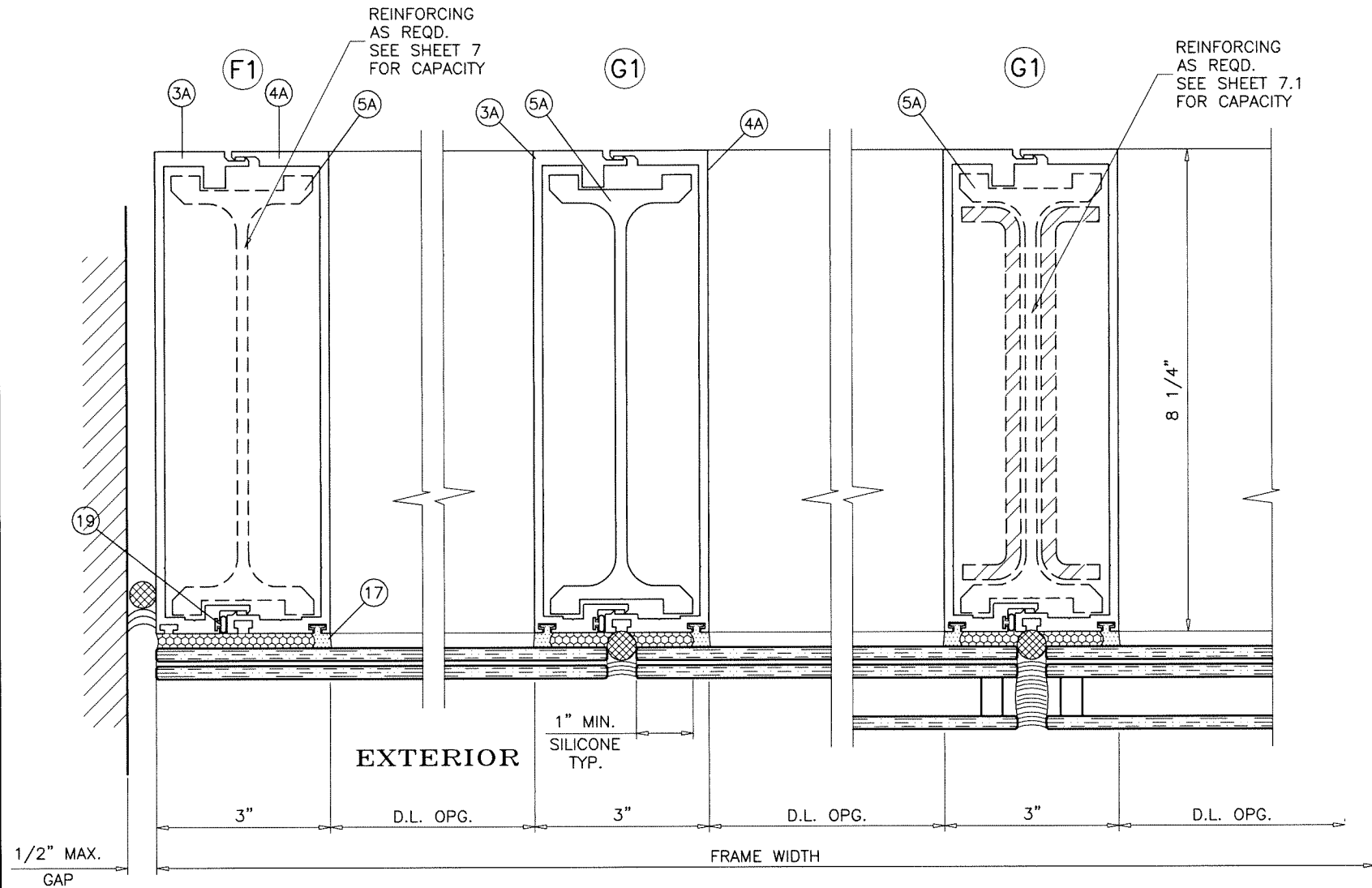
Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:

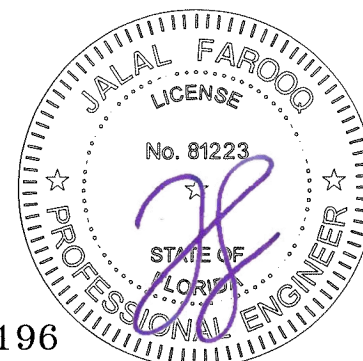
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dr. by: TARIQ
chk. by:

drawing no.
W17-76
sheet 14 of 24



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COMP-ANL W17-76GTE

SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

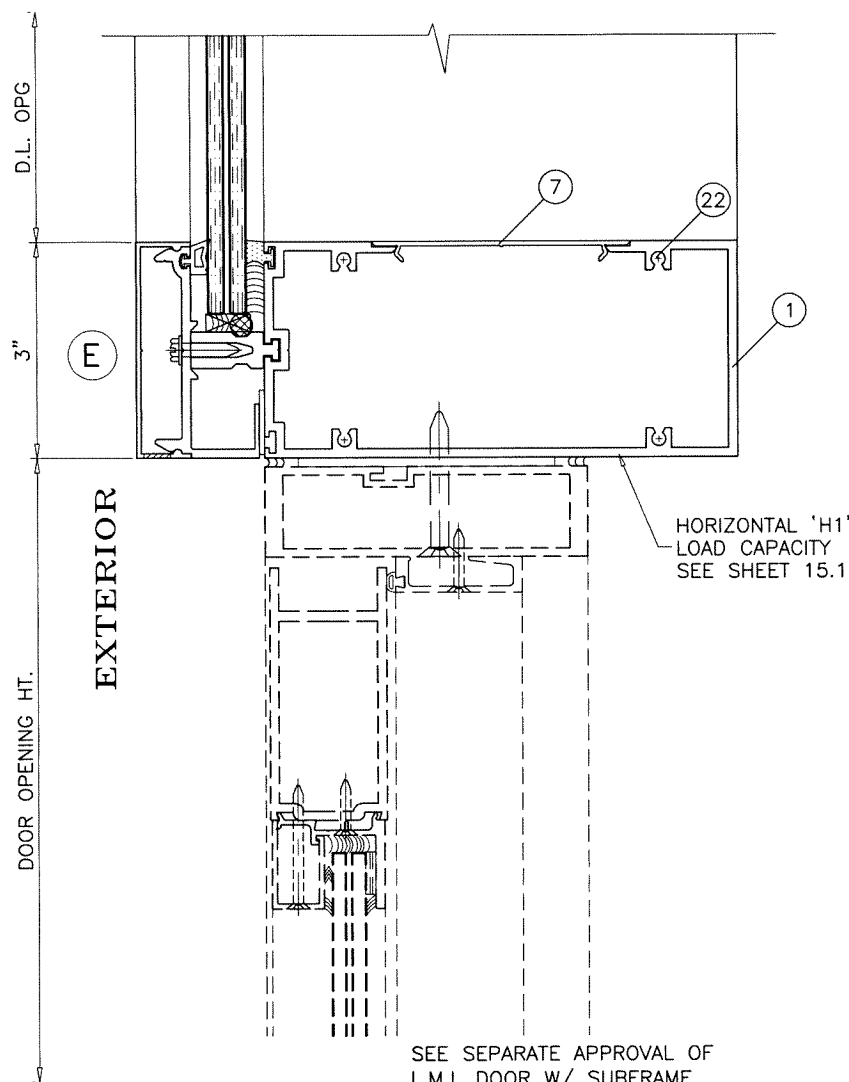
Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:

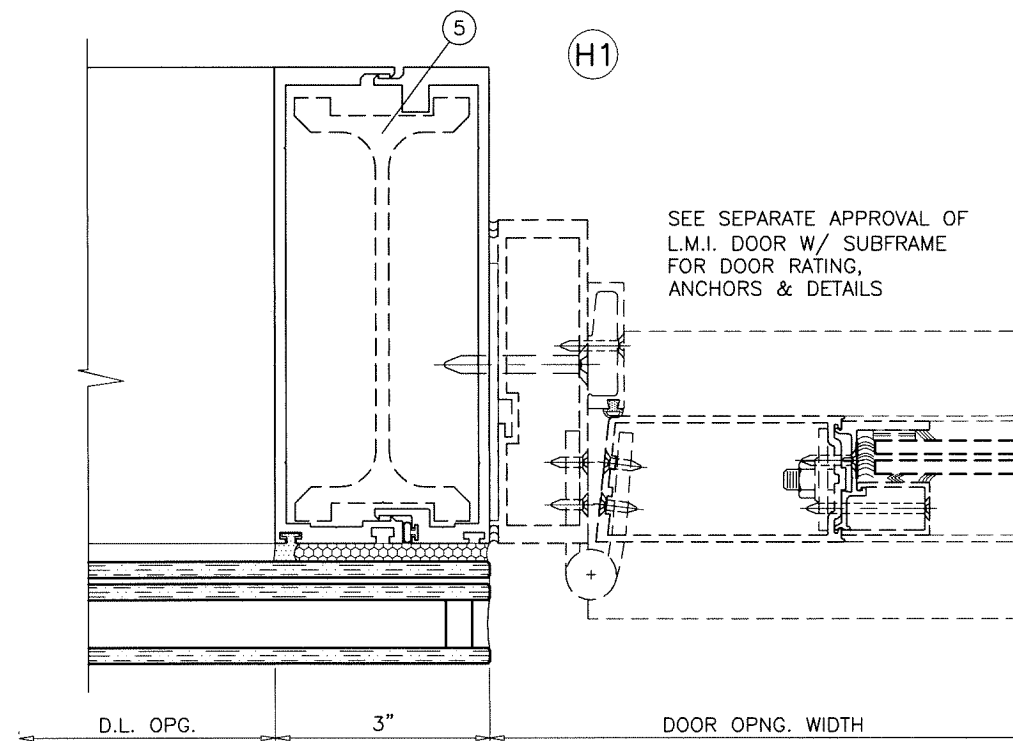
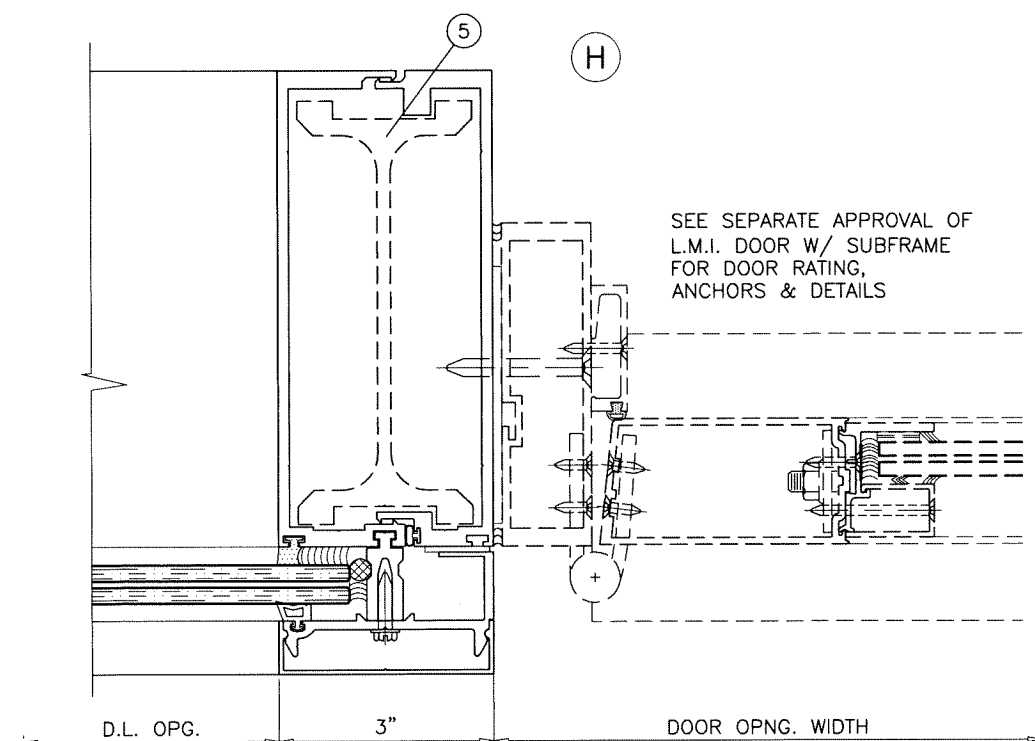
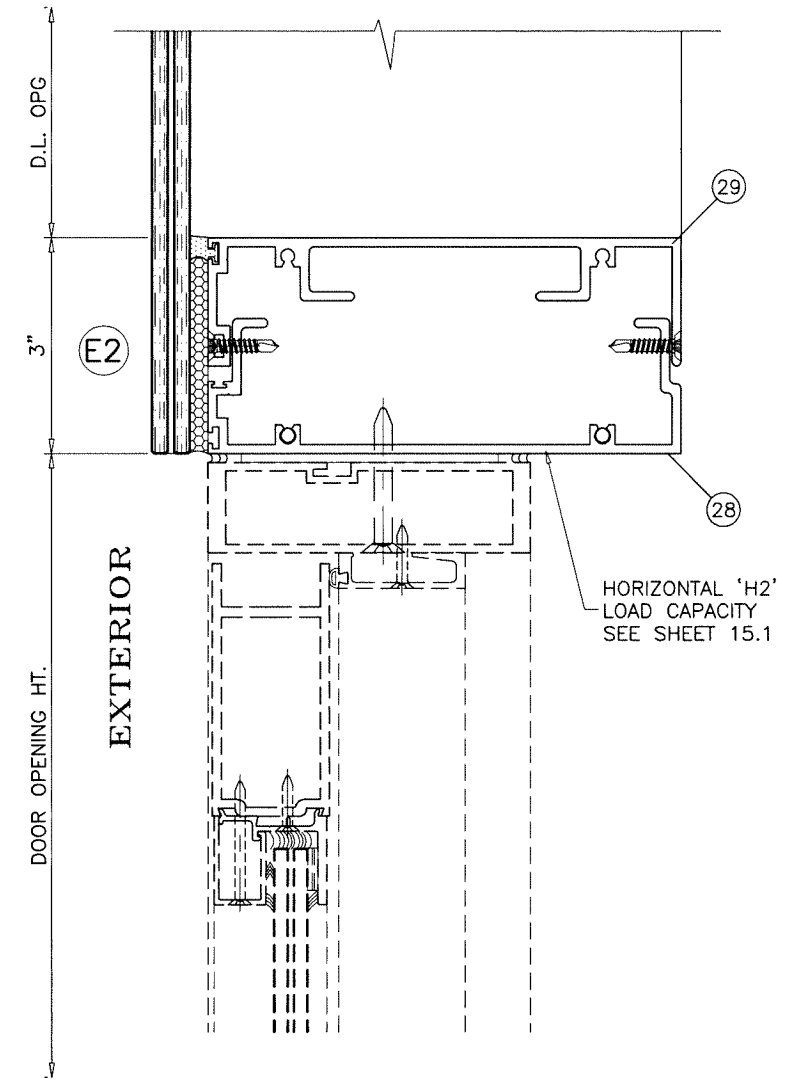
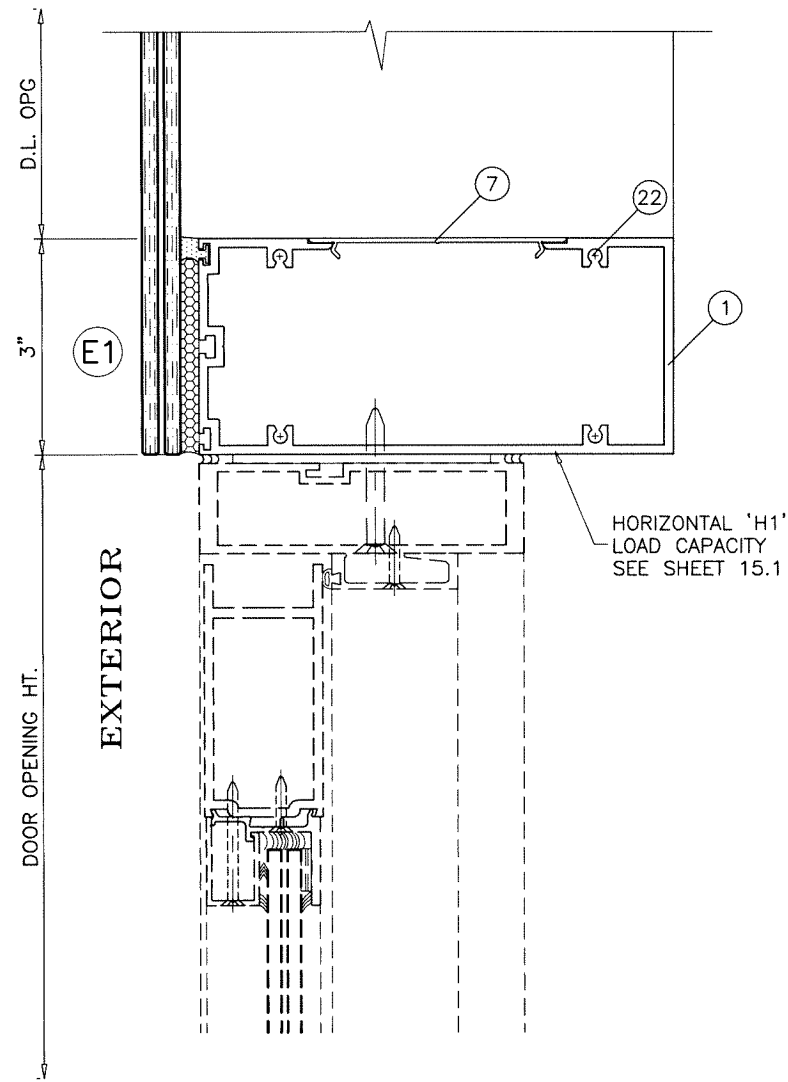
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dr. by: TARIQ
chk. by:

drawing no.
W17-76
sheet 14.1 of 24

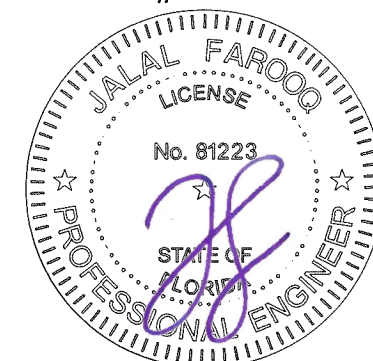


SEE SEPARATE APPROVAL OF
L.M.I. DOOR W/ SUBFRAME
FOR DOOR RATING,
ANCHORS & DETAILS



Sealed: 9/25/2026

FL #16196



AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
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SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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Miami, FL 33166
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revisions:		no	date	by	description

date: 08-24-17

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no.
W17-76

sheet 15 of 24

HORIZONTAL LOAD CAPACITY – PSF				
NOMINAL DIMS.				HORIZ. 'H1'
WIDTH (W)	LENGTH (B)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(–)
74–5/8"	36"	84"	120"	100.0
86–5/8"				100.0
96"				100.0
74–5/8"	48"		132"	100.0
86–5/8"				100.0
96"				100.0
74–5/8"	60"		144"	100.0
86–5/8"				100.0
96"				94.0
74–5/8"	72"		156"	100.0
86–5/8"				100.0
96"				85.2
74–5/8"	84"		168"	100.0
86–5/8"				98.5
96"				77.6
74–5/8"	96"		180"	100.0
86–5/8"				90.6
96"				71.1
74–5/8"	108"		192"	100.0
86–5/8"				83.7
96"				65.4
74–5/8"	120"		204"	100.0
86–5/8"				77.7
96"				60.3
74–5/8"	132"		216"	100.0
86–5/8"				72.3
96"				55.9
74–5/8"	144"		228"	96.8
86–5/8"				67.5
74–5/8"	156"		240"	91.1

HORIZONTAL LOAD CAPACITY – PSF				
NOMINAL DIMS.				HORIZ. 'H2'
WIDTH (W)	LENGTH (B)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(–)
74–5/8"	36"	84"	120"	100.0
86–5/8"				100.0
96"				100.0
74–5/8"	48"		132"	100.0
86–5/8"				100.0
96"				100.0
74–5/8"	60"		144"	100.0
86–5/8"				100.0
74–5/8"	72"		156"	100.0
74–5/8"				100.0
74–5/8"				100.0
74–5/8"	84"		168"	100.0
74–5/8"		100.0		
74–5/8"		100.0		
74–5/8"	96"	180"	100.0	
74–5/8"			100.0	
74–5/8"			100.0	
74–5/8"	108"	192"	100.0	
74–5/8"			100.0	
74–5/8"			100.0	

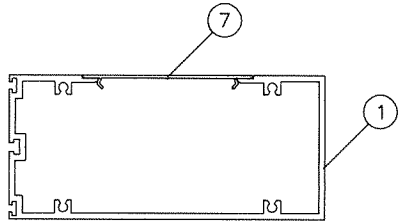
HORIZONTAL LOAD CAPACITY – PSF				
NOMINAL DIMS.				HORIZ. 'H1'
WIDTH (W)	LENGTH (B)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(–)
74–5/8"	24"	96"	120"	100.0
86–5/8"				100.0
96"				100.0
74–5/8"	36"		132"	100.0
86–5/8"				100.0
96"				100.0
74–5/8"	48"		144"	100.0
86–5/8"				100.0
96"				95.7
74–5/8"	60"		156"	100.0
86–5/8"				100.0
96"				86.7
74–5/8"	72"		168"	100.0
86–5/8"				99.8
96"				79.1
74–5/8"	84"		180"	100.0
86–5/8"				91.9
96"				72.5
74–5/8"	96"		192"	100.0
86–5/8"				84.9
96"				66.7
74–5/8"	108"		204"	100.0
86–5/8"				78.8
96"				61.5
74–5/8"	120"		216"	100.0
86–5/8"				73.4
96"				57.0
74–5/8"	132"		228"	97.7
86–5/8"				68.5
74–5/8"	144"		240"	91.9

HORIZONTAL LOAD CAPACITY – PSF				
NOMINAL DIMS.				HORIZ. 'H2'
WIDTH (W)	LENGTH (B)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(–)
74–5/8"	24"	96"	120"	100.0
86–5/8"				100.0
96"				100.0
74–5/8"	36"		132"	100.0
86–5/8"				100.0
96"				100.0
74–5/8"	48"		144"	100.0
86–5/8"				100.0
96"				97.0
74–5/8"	60"		156"	100.0
86–5/8"				100.0
74–5/8"	72"		168"	100.0
74–5/8"				100.0
74–5/8"	84"		180"	100.0
74–5/8"				100.0
74–5/8"	96"		192"	100.0
74–5/8"				100.0
74–5/8"	108"		204"	100.0
74–5/8"				100.0

HORIZONTAL LOAD CAPACITY – PSF				
NOMINAL DIMS.				HORIZ. 'H1'
WIDTH (W)	LENGTH (B)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(–)
74–5/8"	12"	108"	120"	100.0
86–5/8"				100.0
96"				100.0
74–5/8"	24"		132"	100.0
86–5/8"				100.0
96"				100.0
74–5/8"	36"		144"	100.0
86–5/8"				100.0
96"				97.3
74–5/8"	48"		156"	100.0
86–5/8"				100.0
96"				88.3
74–5/8"	60"		168"	100.0
86–5/8"				100.0
96"				80.5
74–5/8"	72"		180"	100.0
86–5/8"				93.2
96"				73.8
74–5/8"	84"		192"	100.0
86–5/8"				86.2
96"				67.9
74–5/8"	96"		204"	100.0
86–5/8"				80.0
96"				62.7
74–5/8"	108"		216"	100.0
86–5/8"				74.4
96"				58.1
74–5/8"	120"		228"	98.6
86–5/8"				69.5
74–5/8"	132"		240"	92.8

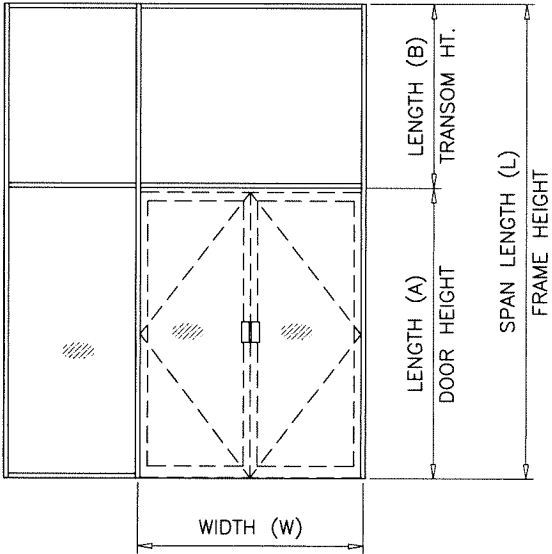
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NOMINAL DIMS.				HORIZ. 'H2'
WIDTH (W)	LENGTH (B)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(–)
74–5/8"	12"	108"	120"	100.0
86–5/8"				100.0
96"				100.0
74–5/8"	24"		132"	100.0
86–5/8"				100.0
96"				100.0
74–5/8"	36"		144"	100.0
86–5/8"				100.0
96"				100.0
74–5/8"	48"		156"	100.0
86–5/8"				100.0
96"				89.6
74–5/8"	60"		168"	100.0
86–5/8"				100.0
74–5/8"	72"		180"	100.0
74–5/8"				100.0
74–5/8"	84"		192"	100.0
74–5/8"				100.0
74–5/8"	96"		204"	100.0
74–5/8"				100.0
74–5/8"	108"		216"	100.0
74–5/8"				100.0

HORIZONTAL LOAD CAPACITY – PSF					
NOMINAL DIMS.				HORIZ. 'H1'	
WIDTH (W)	LENGTH (B)	LENGTH (A)	SPAN LENGTH (L)	EXT.(+) INT.(–)	
74–5/8"	12"	120"	132"	100.0	
86–5/8"				100.0	
96"				100.0	
74–5/8"	24"		144"	100.0	
86–5/8"				100.0	
96"				99.0	
74–5/8"	36"		156"	100.0	
86–5/8"				100.0	
96"				89.9	
74–5/8"	48"		168"	100.0	
86–5/8"				100.0	
96"				82.0	
74–5/8"	60"		180"	100.0	
86–5/8"				94.5	
96"				75.2	
74–5/8"	72"		192"	100.0	
86–5/8"				87.4	
96"				69.2	
74–5/8"	84"		204"	100.0	
86–5/8"				81.1	
96"				63.9	
74–5/8"	96"		216"	100.0	
86–5/8"				75.5	
96"				59.3	
74–5/8"	108"		228"	99.5	
86–5/8"				70.5	
74–5/8"	120"		240"	93.7	



HORIZONTAL 'H1'

H1	ALUM
Ix IN^4	15.15
Sx IN^3	4.433



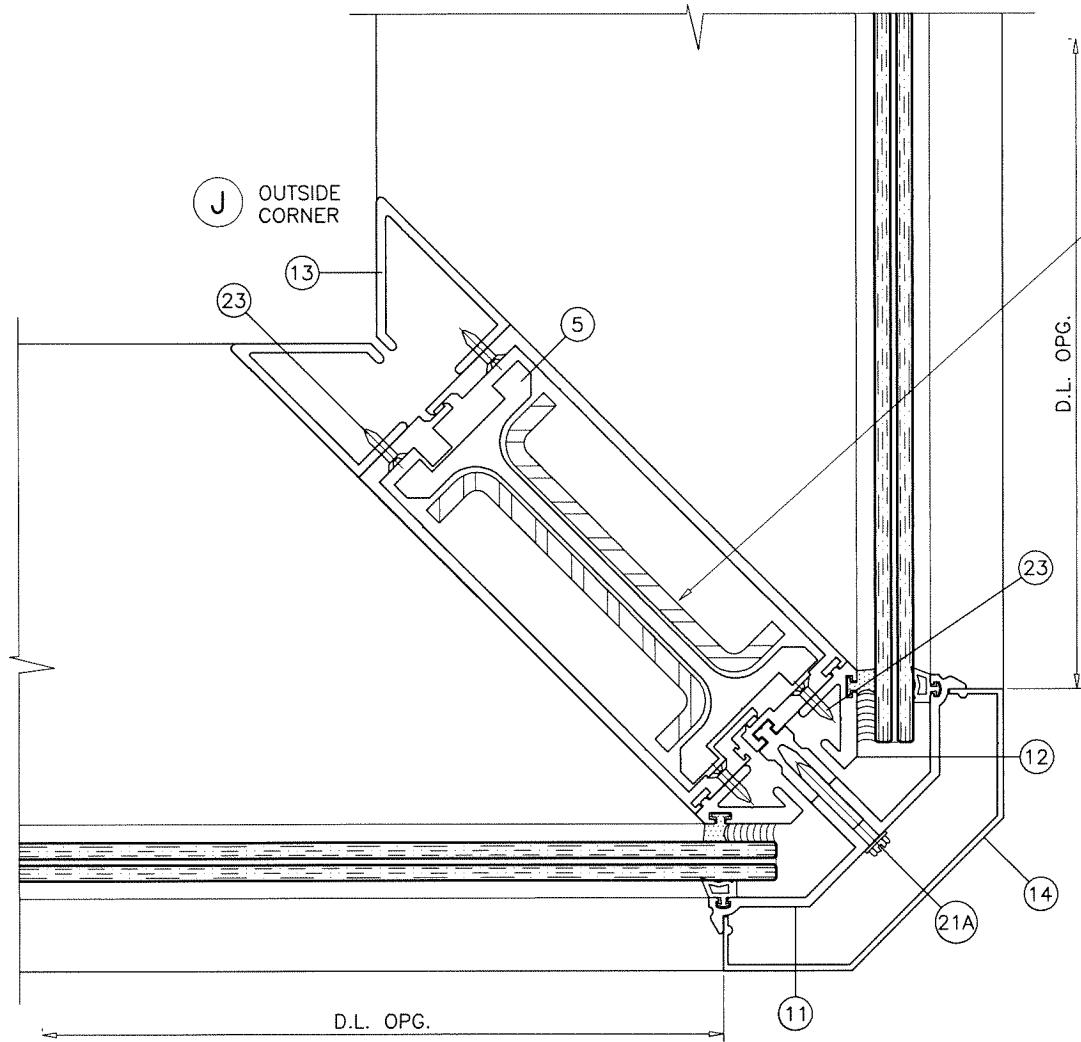
HORIZONTAL 'H2'

H2	ALUM
Ix IN^4	18.775
Sx IN^3	5.507

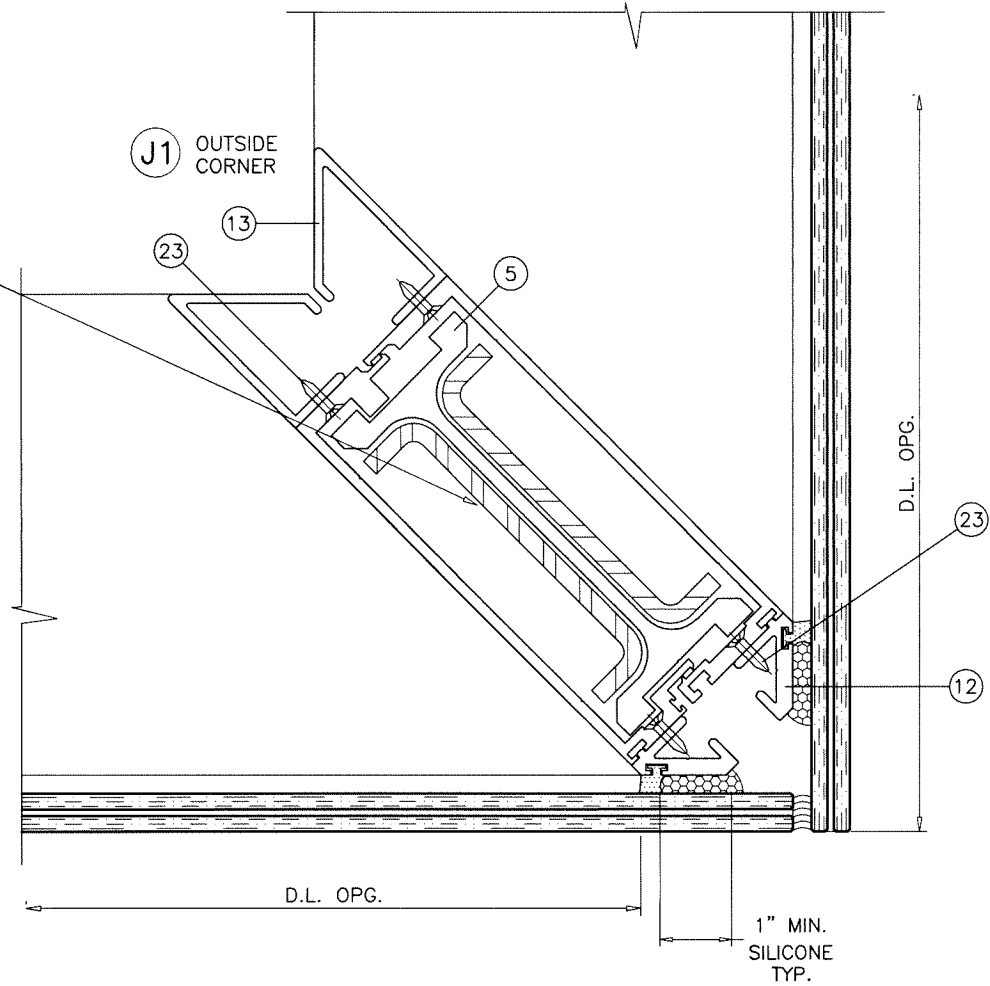
Sealed: 9/25/2026

FL #16196

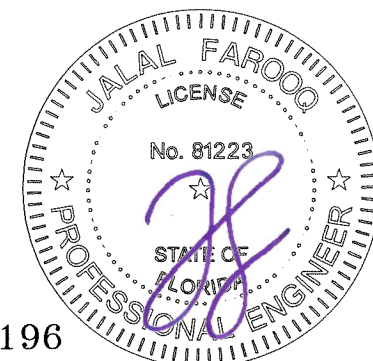




90° CORNER MULLION CAPACITY
WITH OR WITHOUT STEEL REINFORCING
SEE CHART ON SHEET 10



Sealed: 9/25/2026



FL #16196

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\W17-76GTE

SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

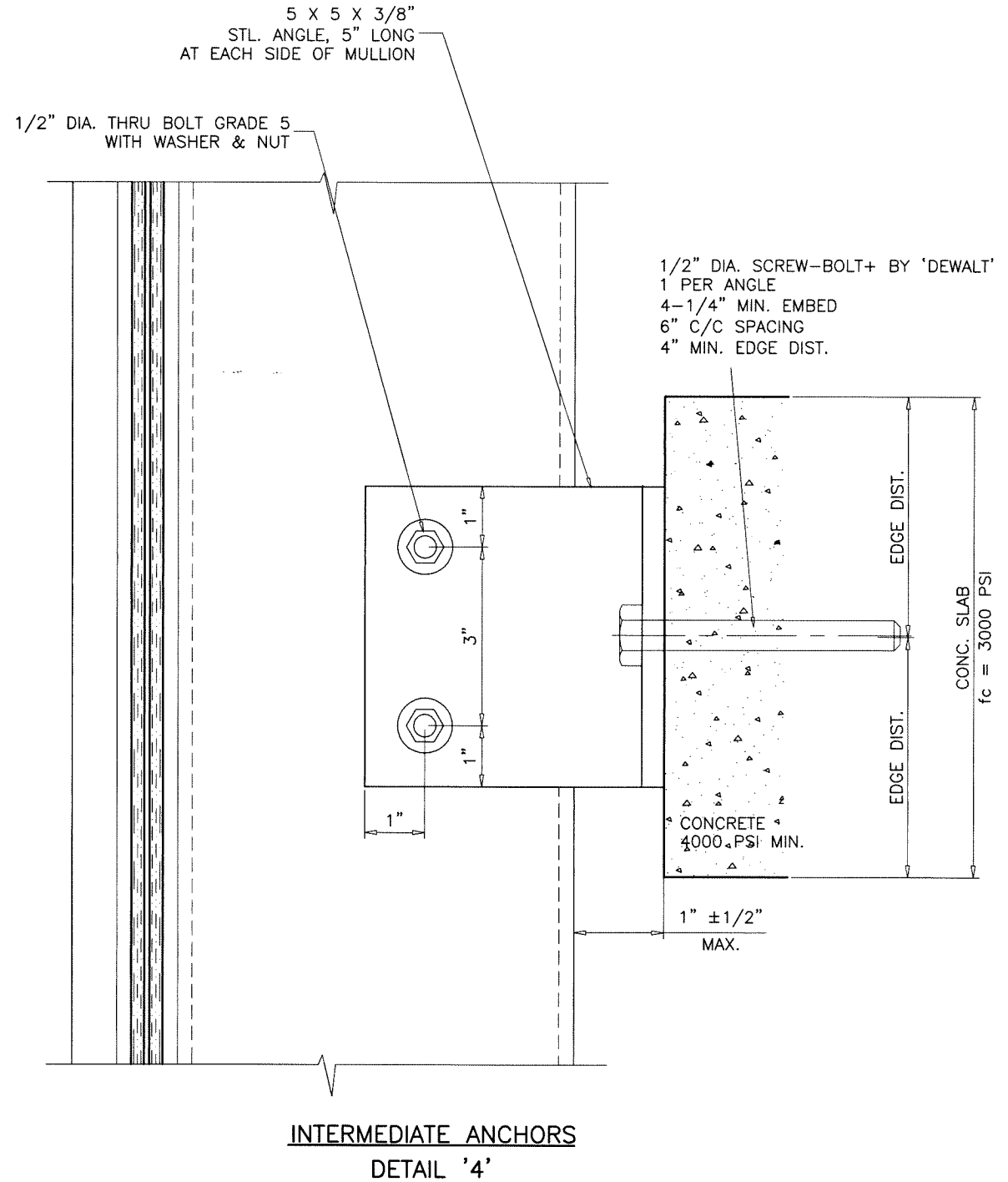
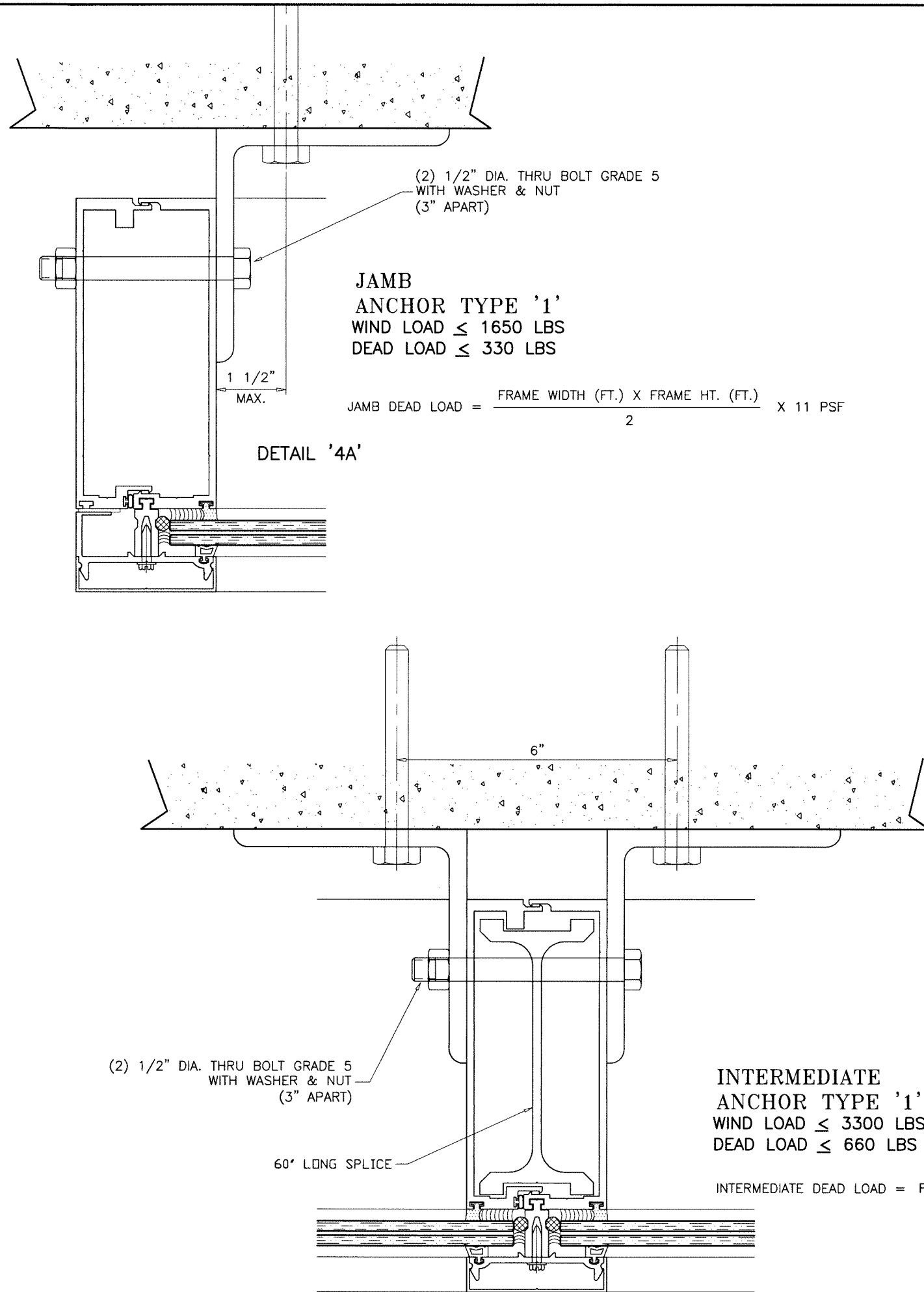
Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL. 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:

no	date	by	description

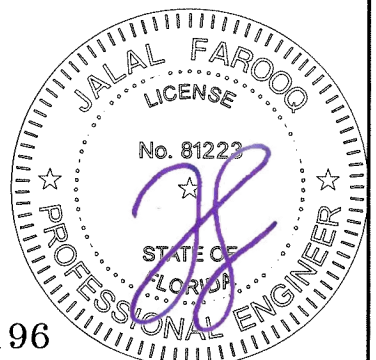
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dr. by: TARIO
chk. by:

drawing no.
W17-76
sheet 16 of 24



ANCHORS INTO CONCRETE

Sealed: 9/25/2026



WIND + DEAD LOAD ANCHOR

FL #16196

AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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Miami, FL. 33166
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revisions:

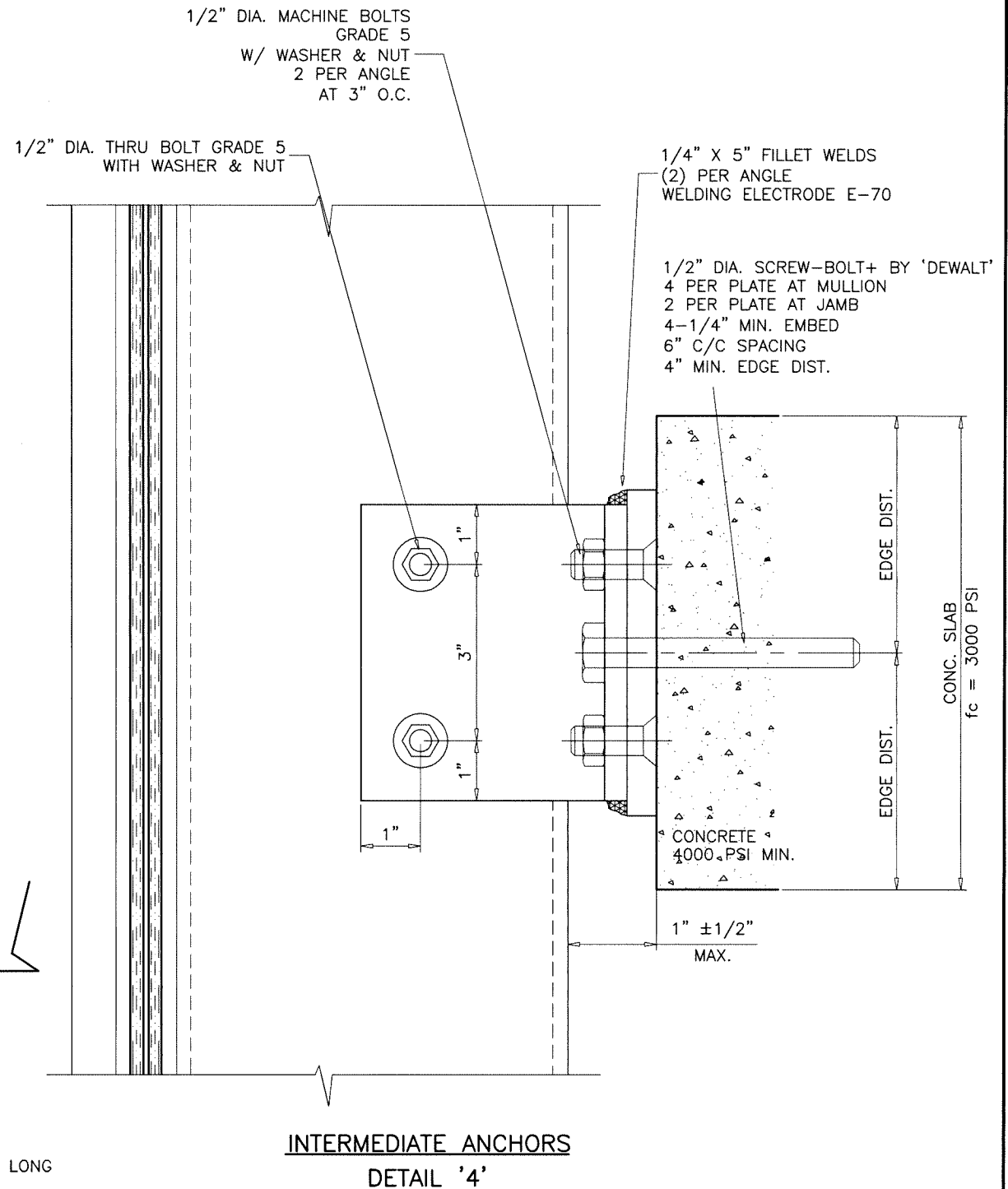
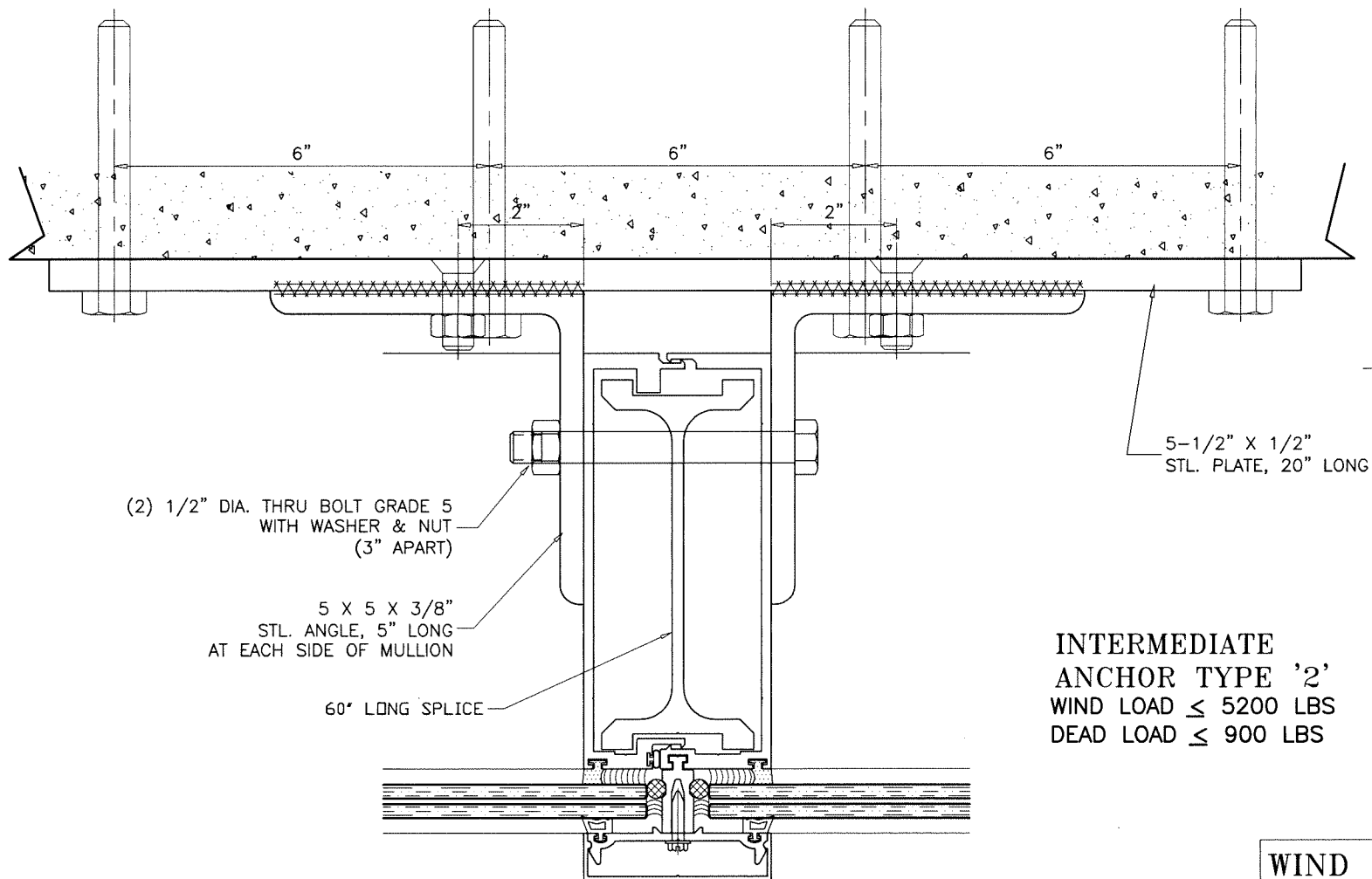
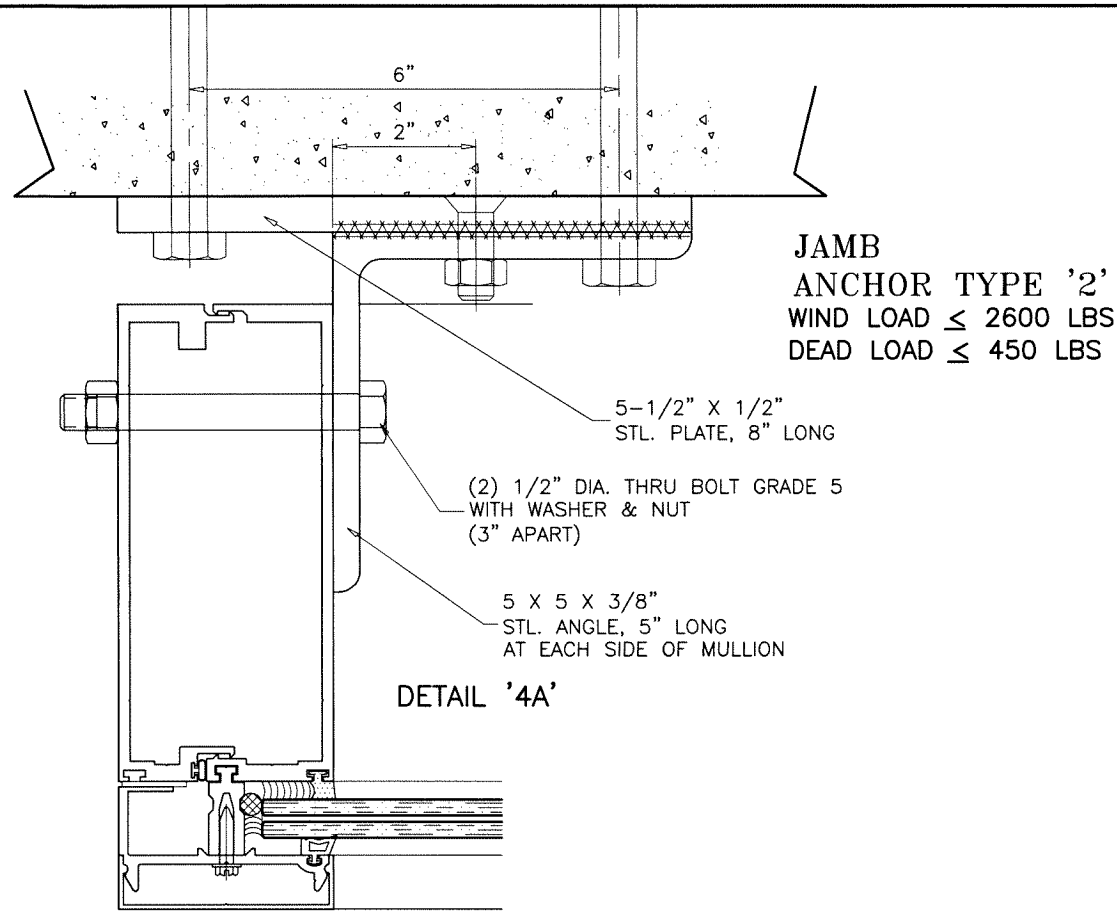
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drawing no. **W17-76**

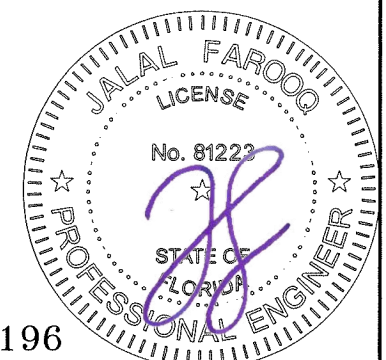
sheet 17 of 24

FL #16196



ANCHORS INTO CONCRETE

Sealed: 9/25/2026



WIND + DEAD LOAD ANCHOR

FL #16196

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(C.A.N. 3538)

COMP-AN\W17-76GTE

SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

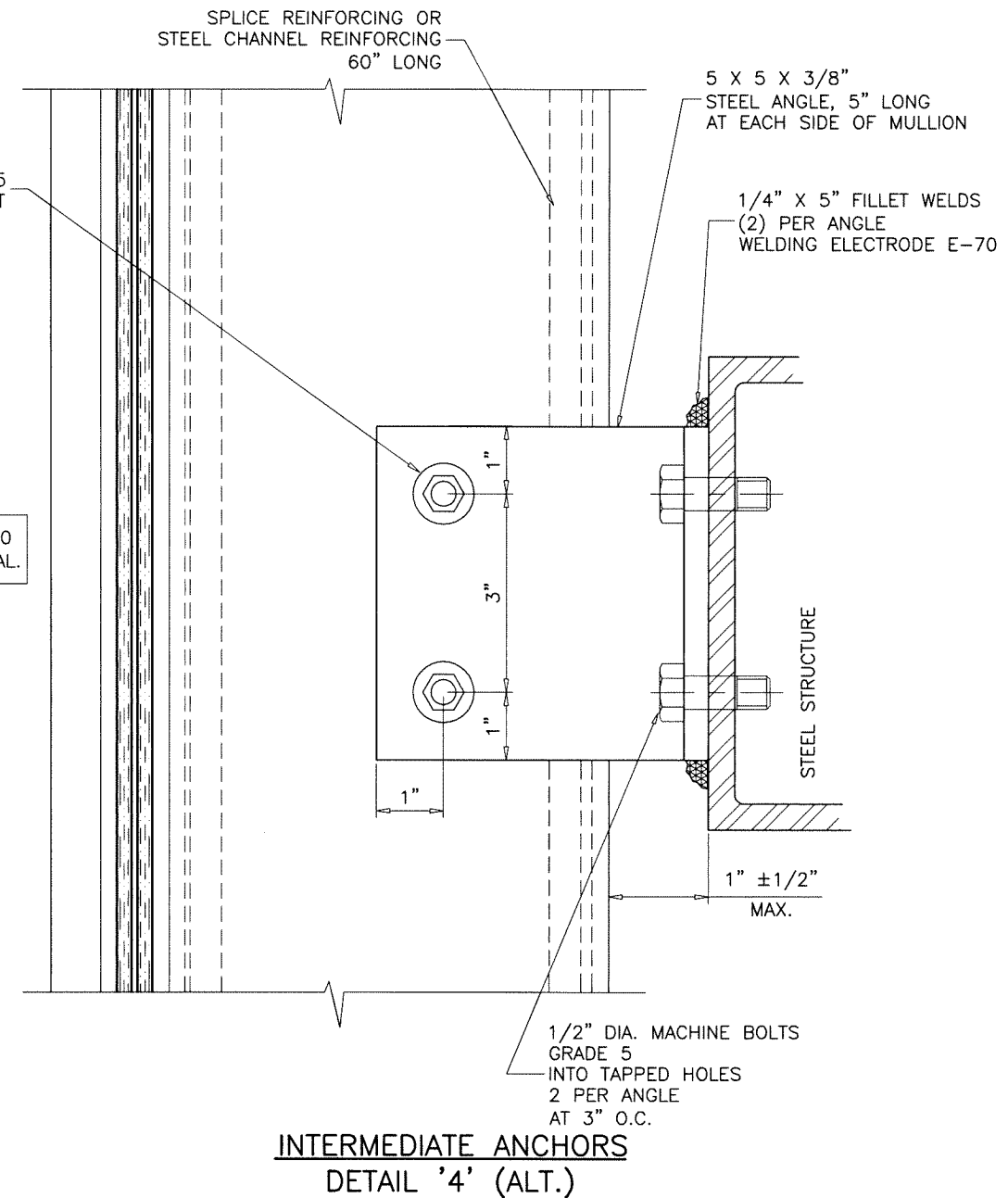
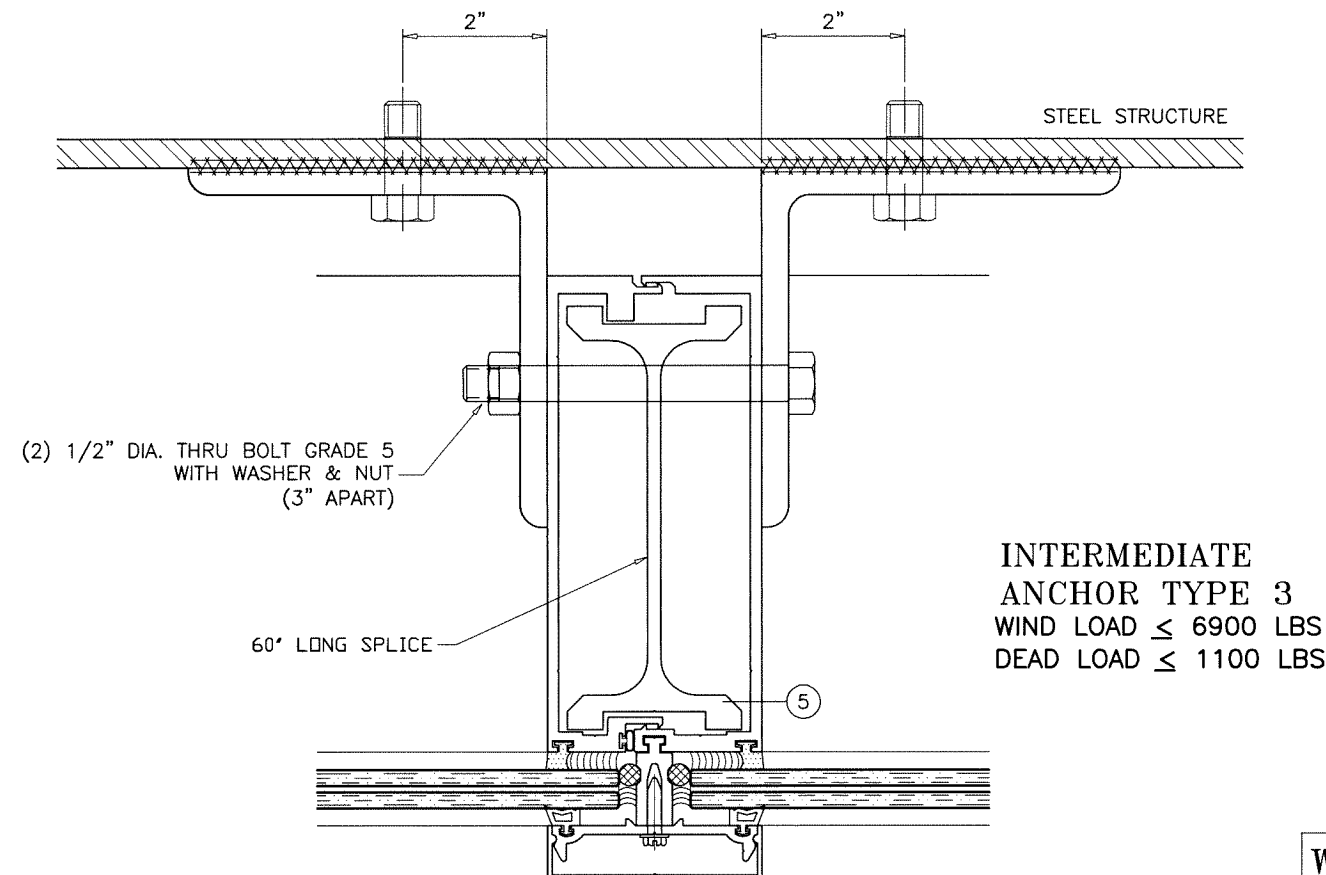
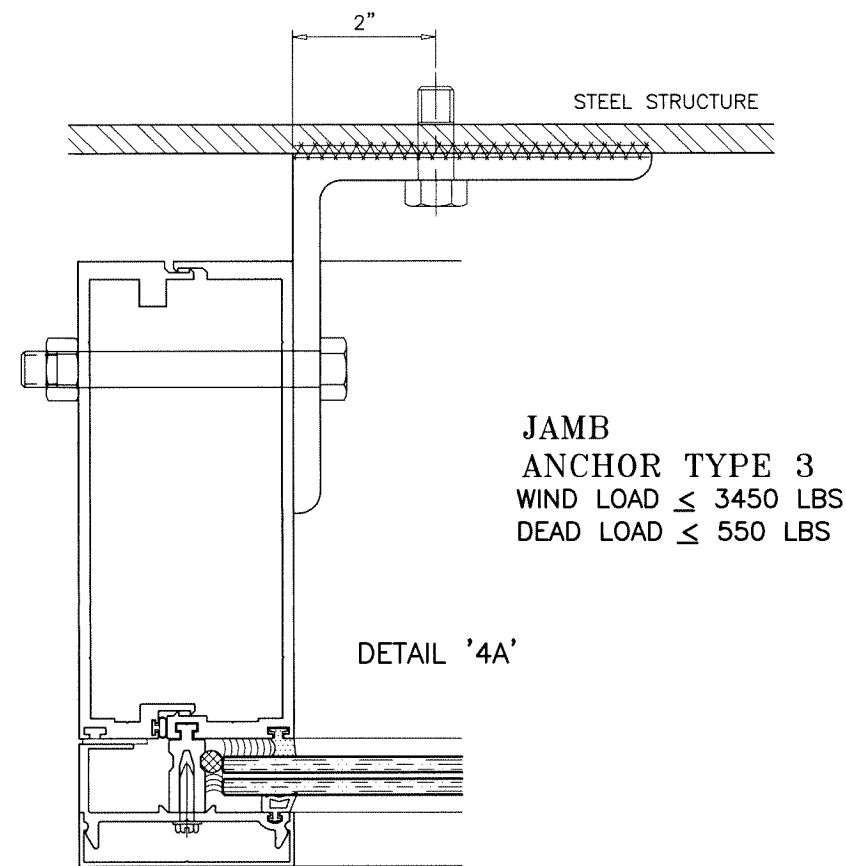
Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL. 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

FL #16196

revisions:		date		by description	
no	date	no	date	no	date

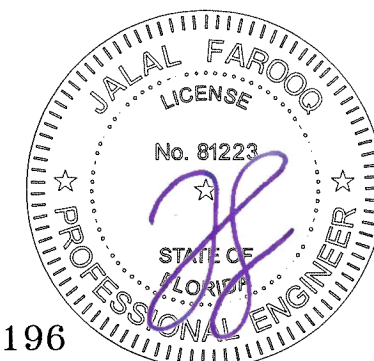
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scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W17-76
sheet 18 of 24



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

Sealed: 9/25/2026



WIND + DEAD LOAD ANCHOR

FL #16196

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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Miami, FL 33166

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revisions:						
date:	no	date	by	description		

date: 08-24-17

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no.

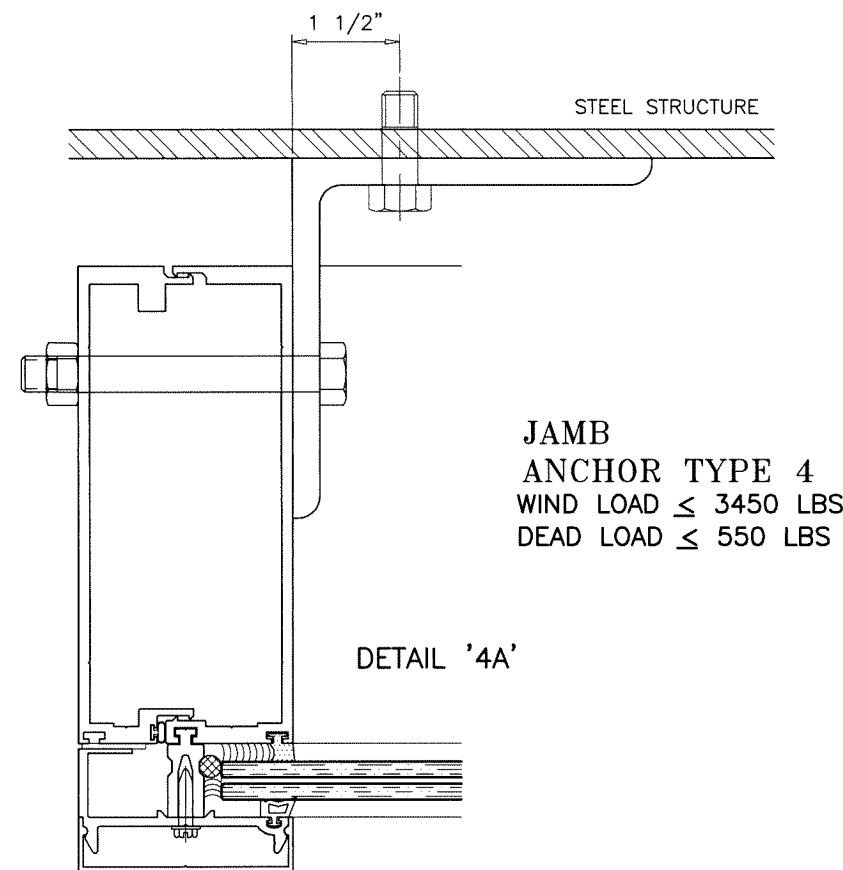
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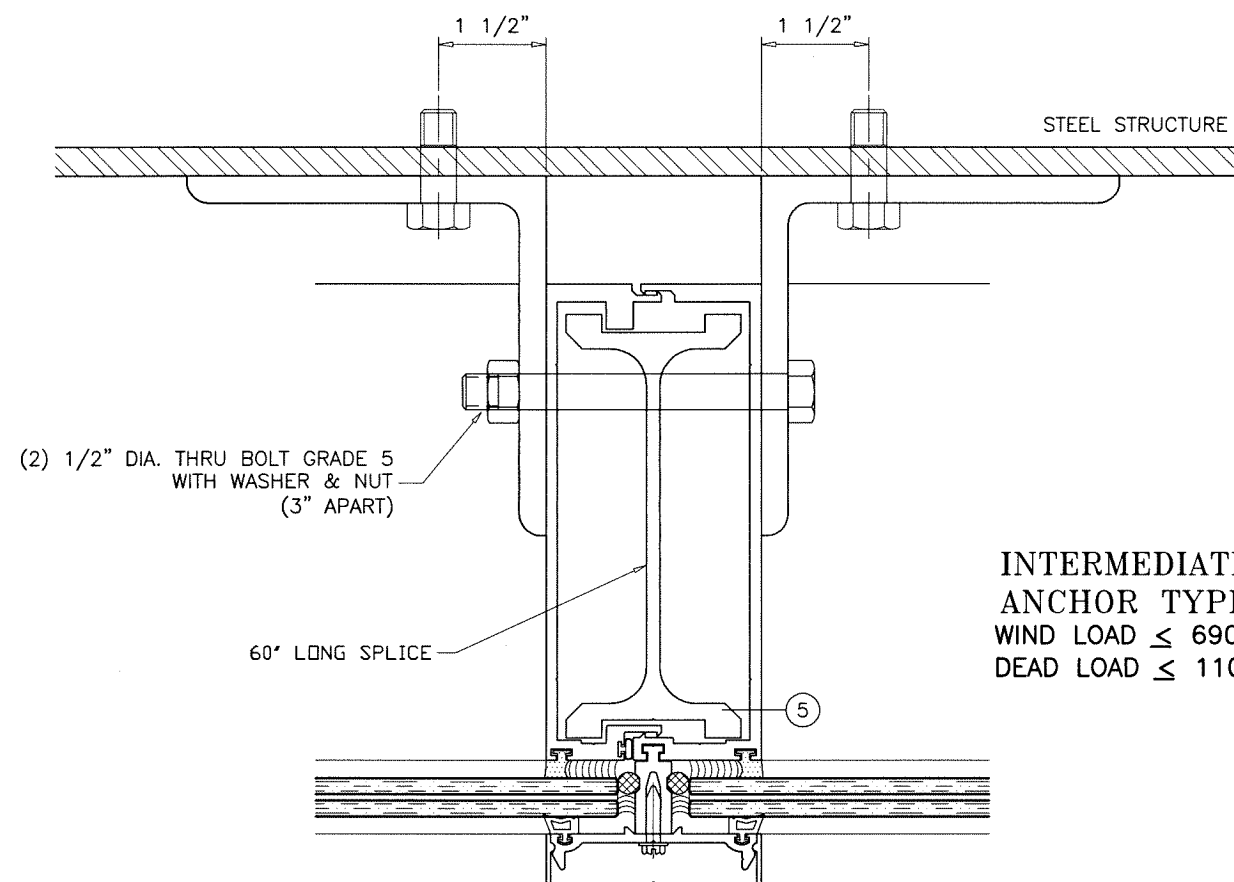
W17-76

sheet 19 of 24

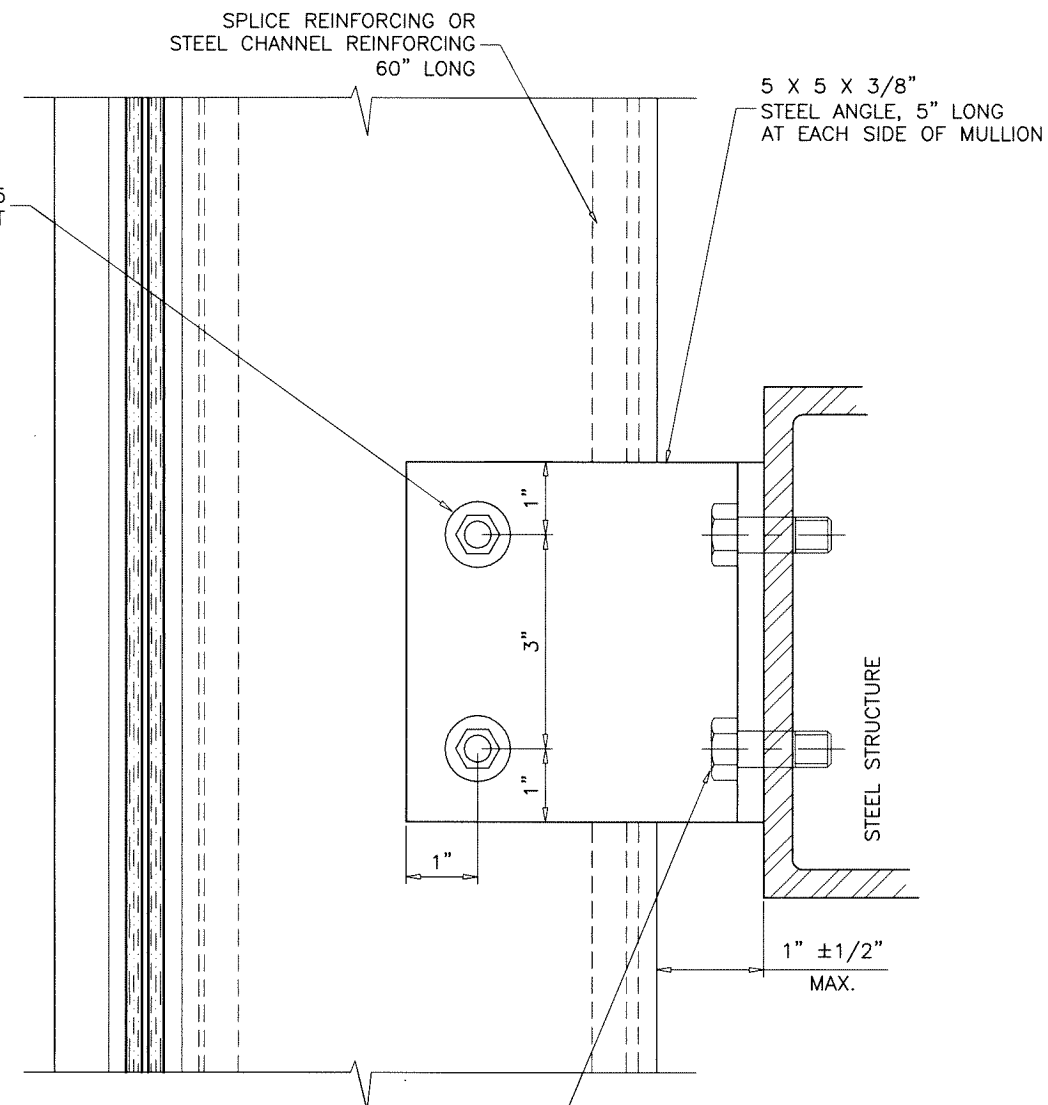


**JAMB
ANCHOR TYPE 4**
WIND LOAD $\leq$ 3450 LBS
DEAD LOAD $\leq$ 550 LBS

DETAIL '4A'



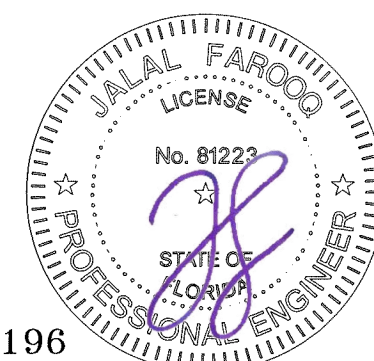
**INTERMEDIATE
ANCHOR TYPE 4**
WIND LOAD $\leq$ 6900 LBS
DEAD LOAD $\leq$ 1100 LBS



**INTERMEDIATE ANCHORS
DETAIL '4' (ALT.)**

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

Sealed: 9/25/2026



WIND + DEAD LOAD ANCHOR

FL #16196

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SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

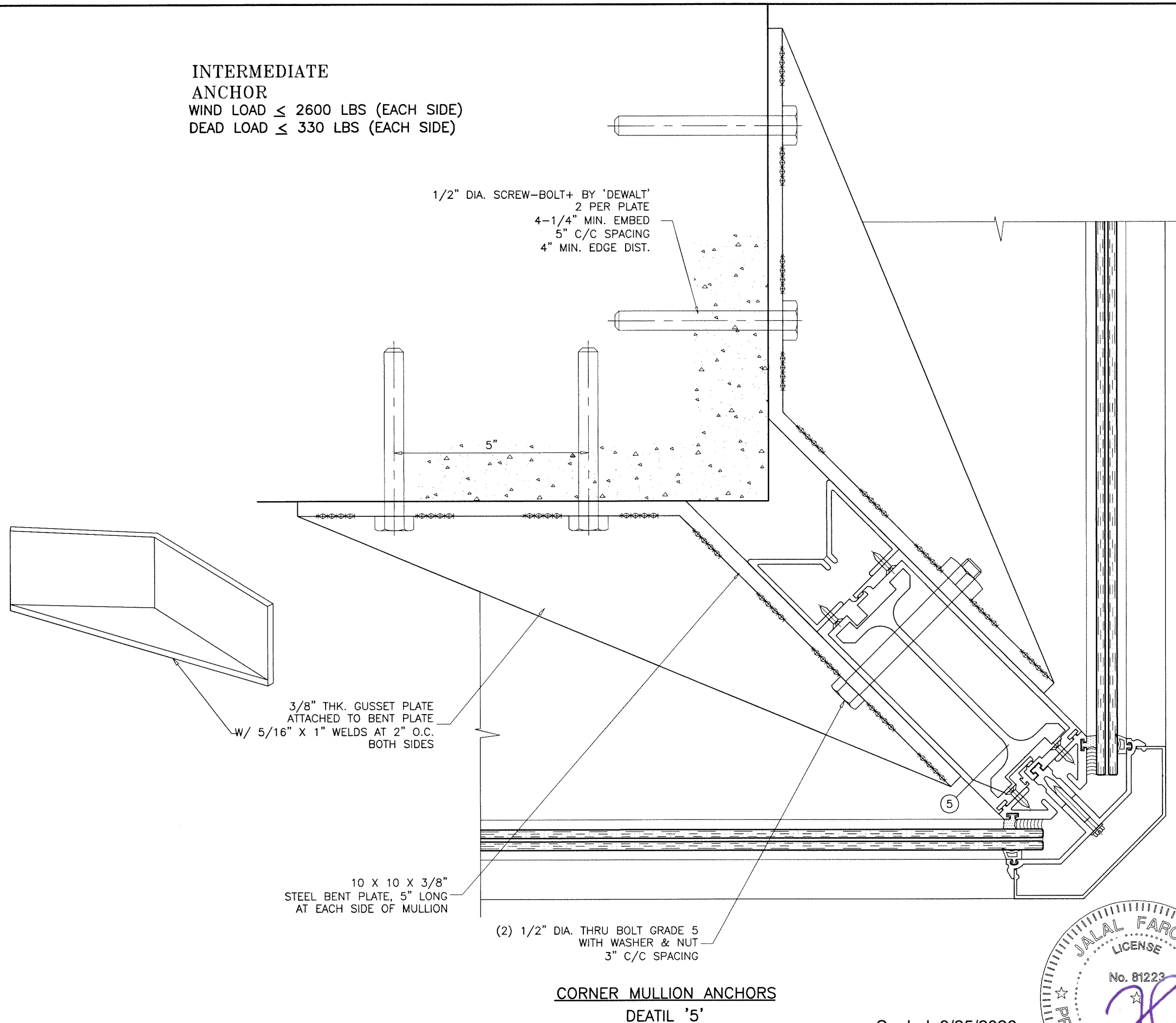
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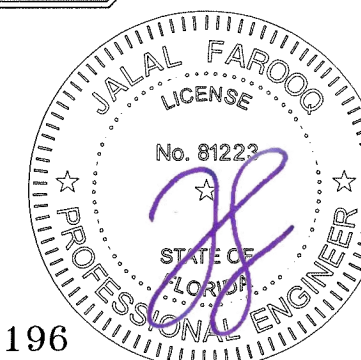
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WIND + DEAD LOAD ANCHOR



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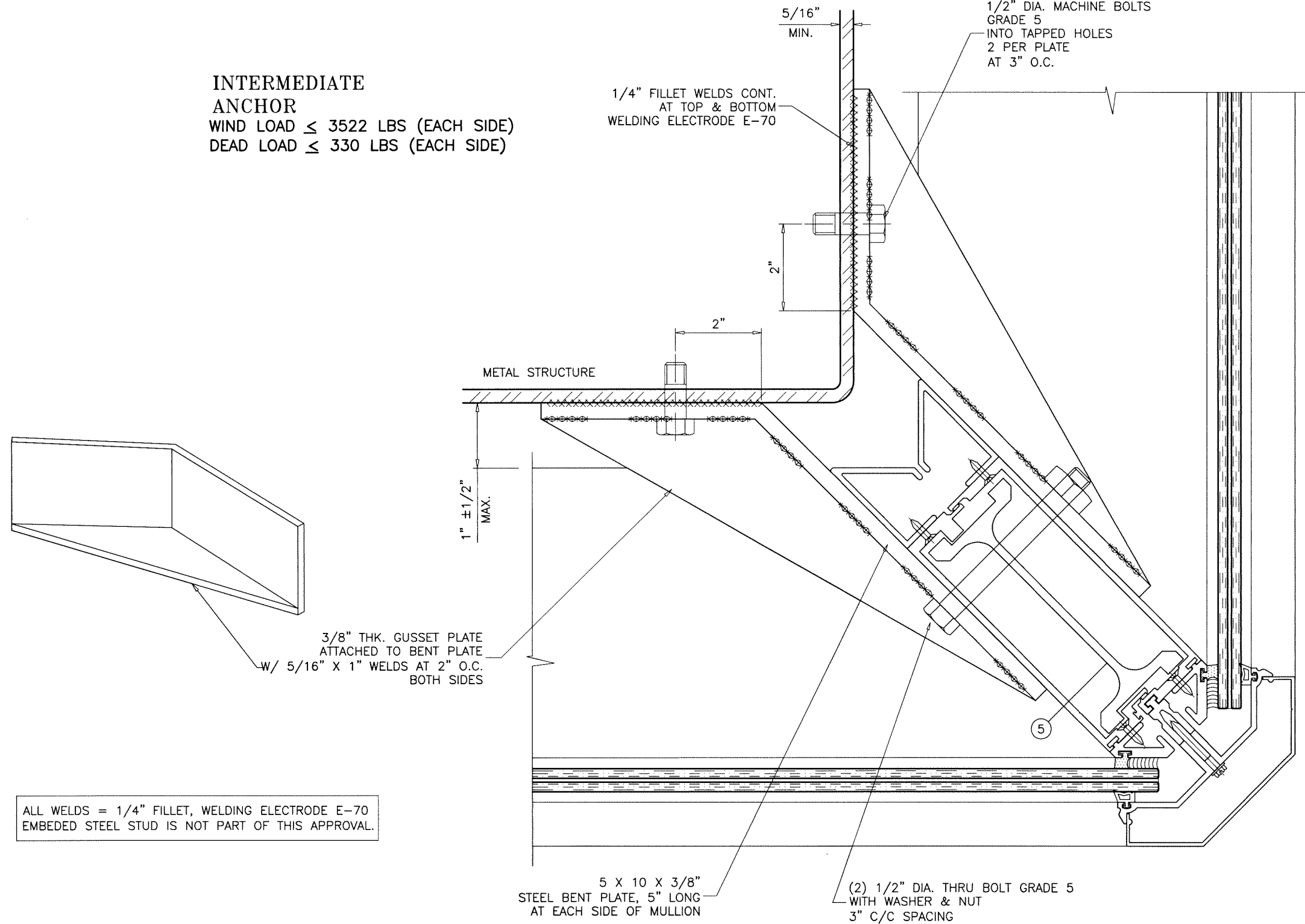
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INTERMEDIATE
ANCHOR
WIND LOAD $\leq$ 3522 LBS (EACH SIDE)
DEAD LOAD $\leq$ 330 LBS (EACH SIDE)

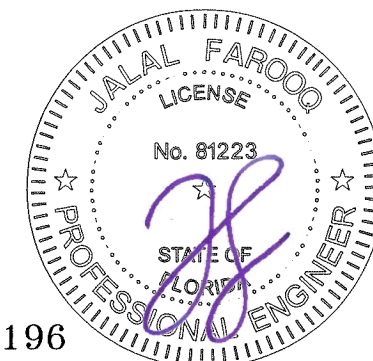


ALL WELDS = 1/4" FILLET, WELDING ELECTRODE E-70
EMBEDDED STEEL STUD IS NOT PART OF THIS APPROVAL.

CORNER MULLION ANCHORS
DETAIL '8' (ALT.)

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



WIND + DEAD LOAD ANCHOR

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1 FRAME HEAD/SILL/HORIZONTAL

7 INTERIOR SNAP COVER

12 CORNER EXT. ADAPTER

13 CORNER INT. ADAPTER

25 26 REINFORCING CHANNELS

6 EXTERIOR SNAP COVER

2 PRESSURE PLATE

2A PRESSURE PLATE

2B PRESSURE PLATE

11 CORNER PRESSURE PLATE

14 CORNER SNAP COVER

31 SPANDREL INFILL

3 MALE MULLION

4 FEMALE MULLION

5 SPLICE/STIFFENER

28 MALE INTERMEDIATE HORIZONTAL

8 GLAZING ADAPTER

29 FEMALE INTERMEDIATE HORIZONTAL

8A GLAZING ADAPTER

16 GLASS SHELF (LAM. GLASS)

16A GLASS SHELF (INSUL. LAM. GLASS)

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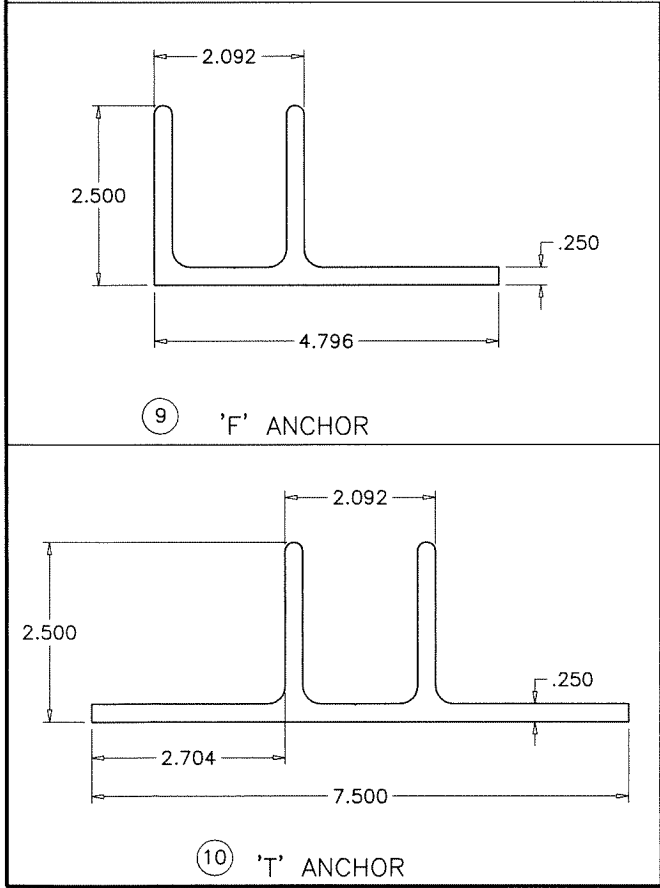
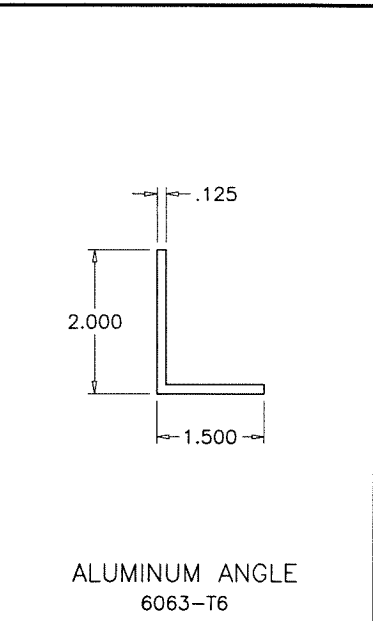
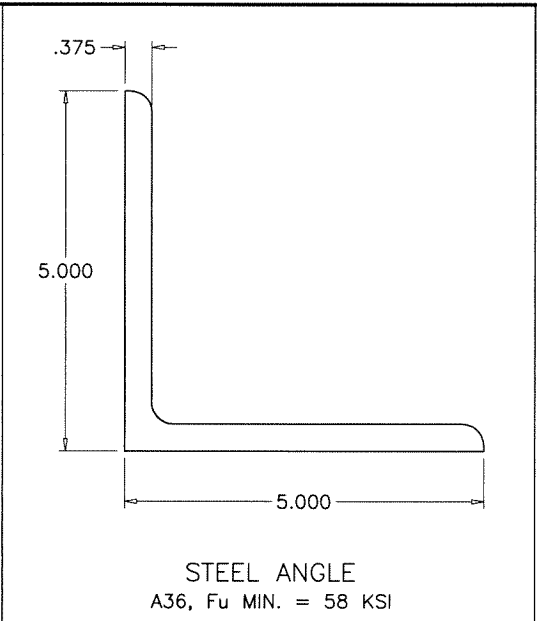
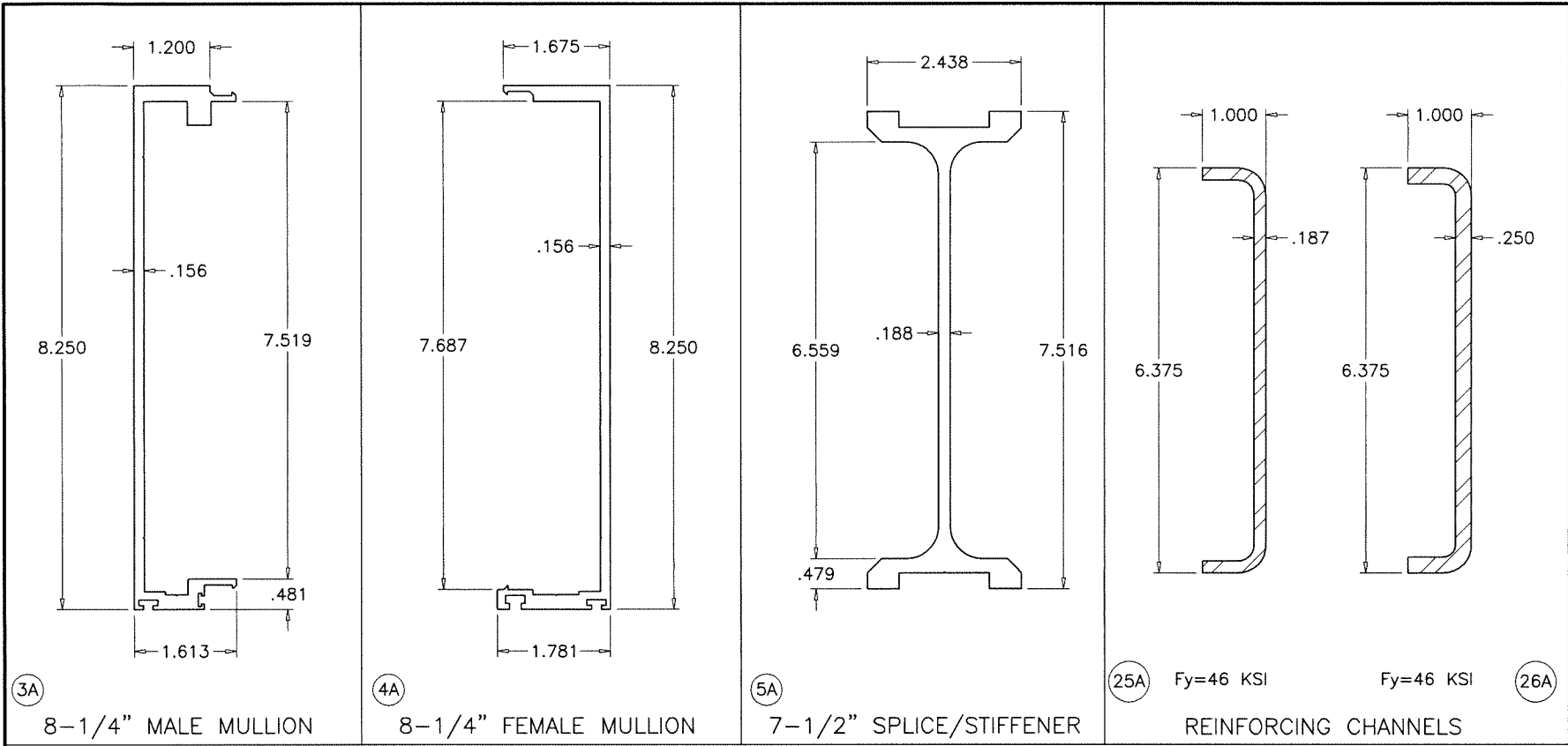
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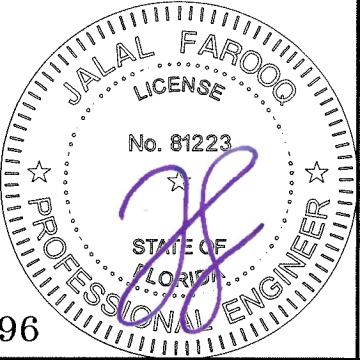
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date: 08-24-17

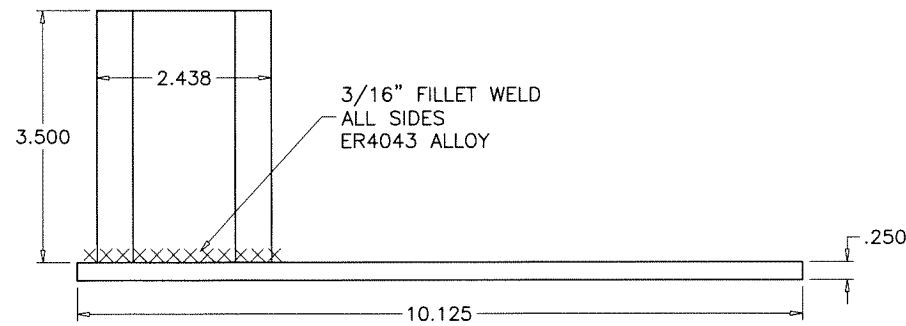
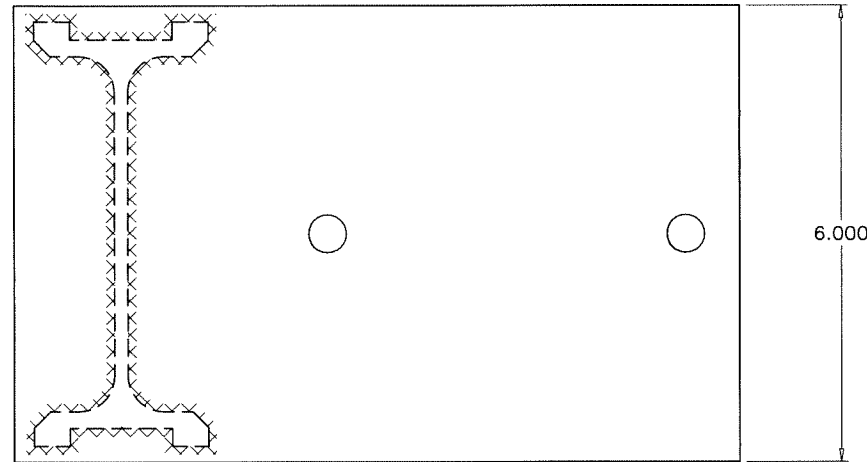
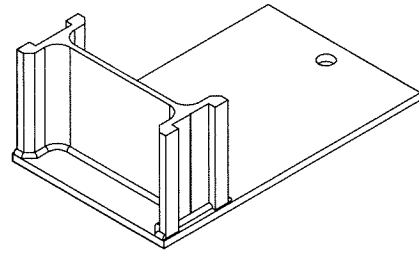
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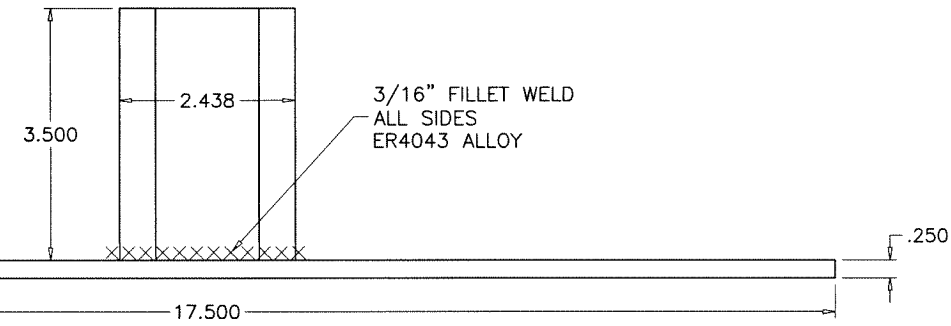
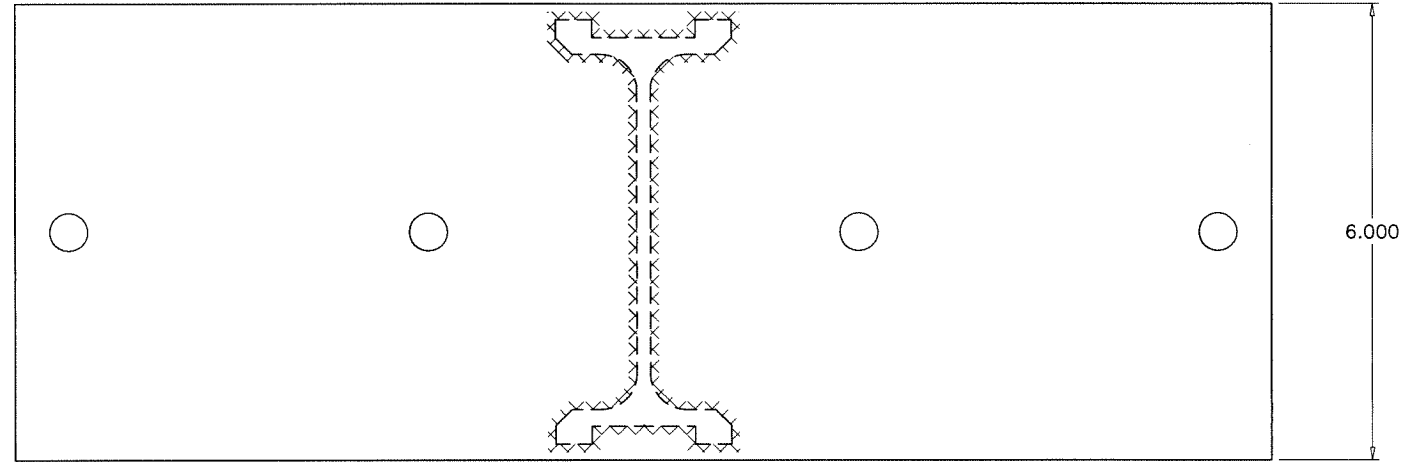
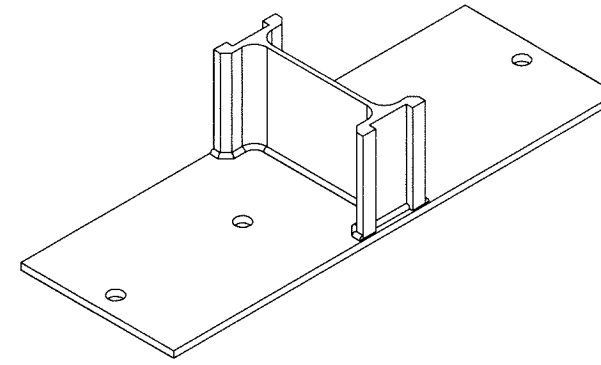
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9A 'F' ANCHOR



10A 'T' ANCHOR

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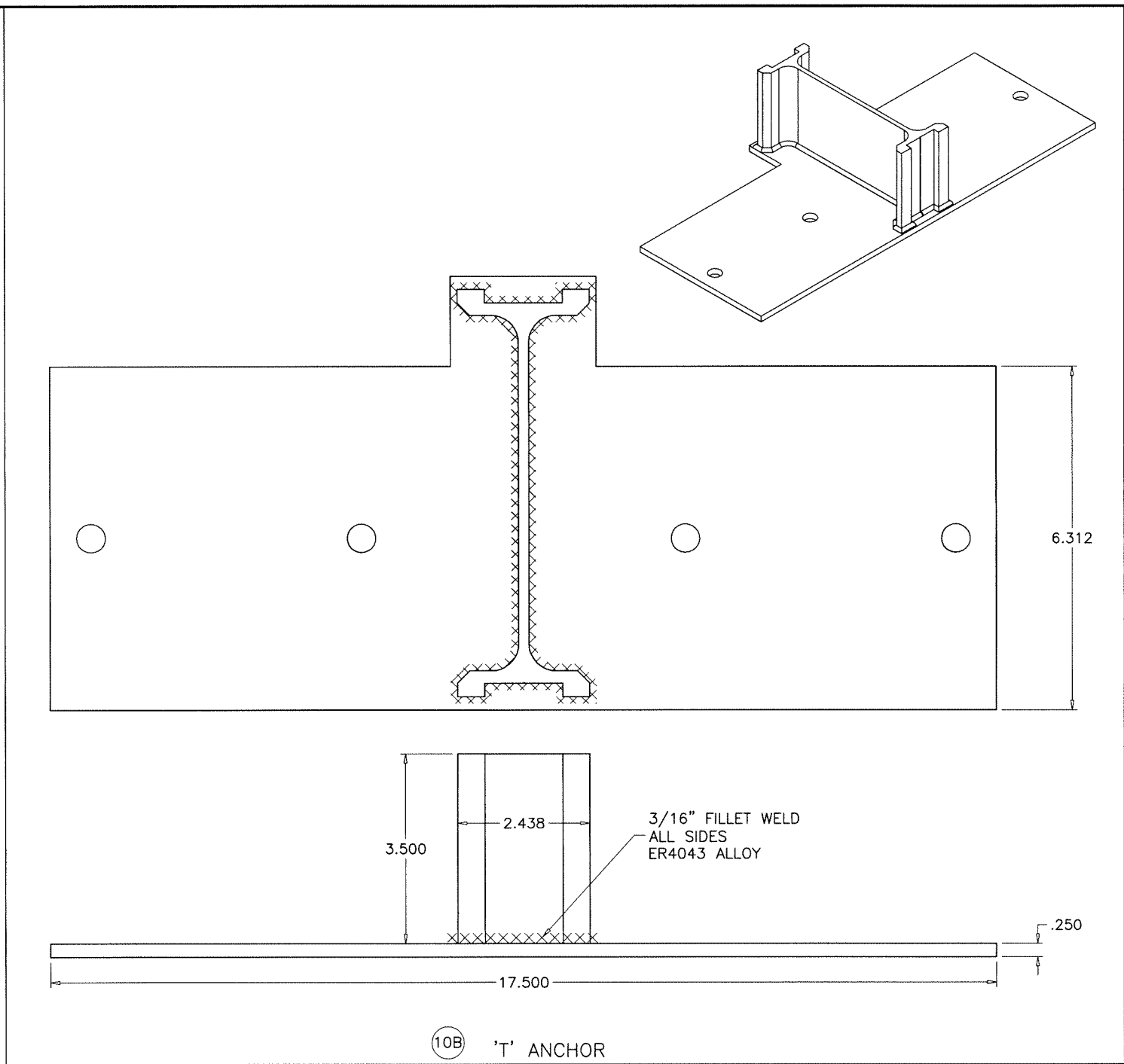
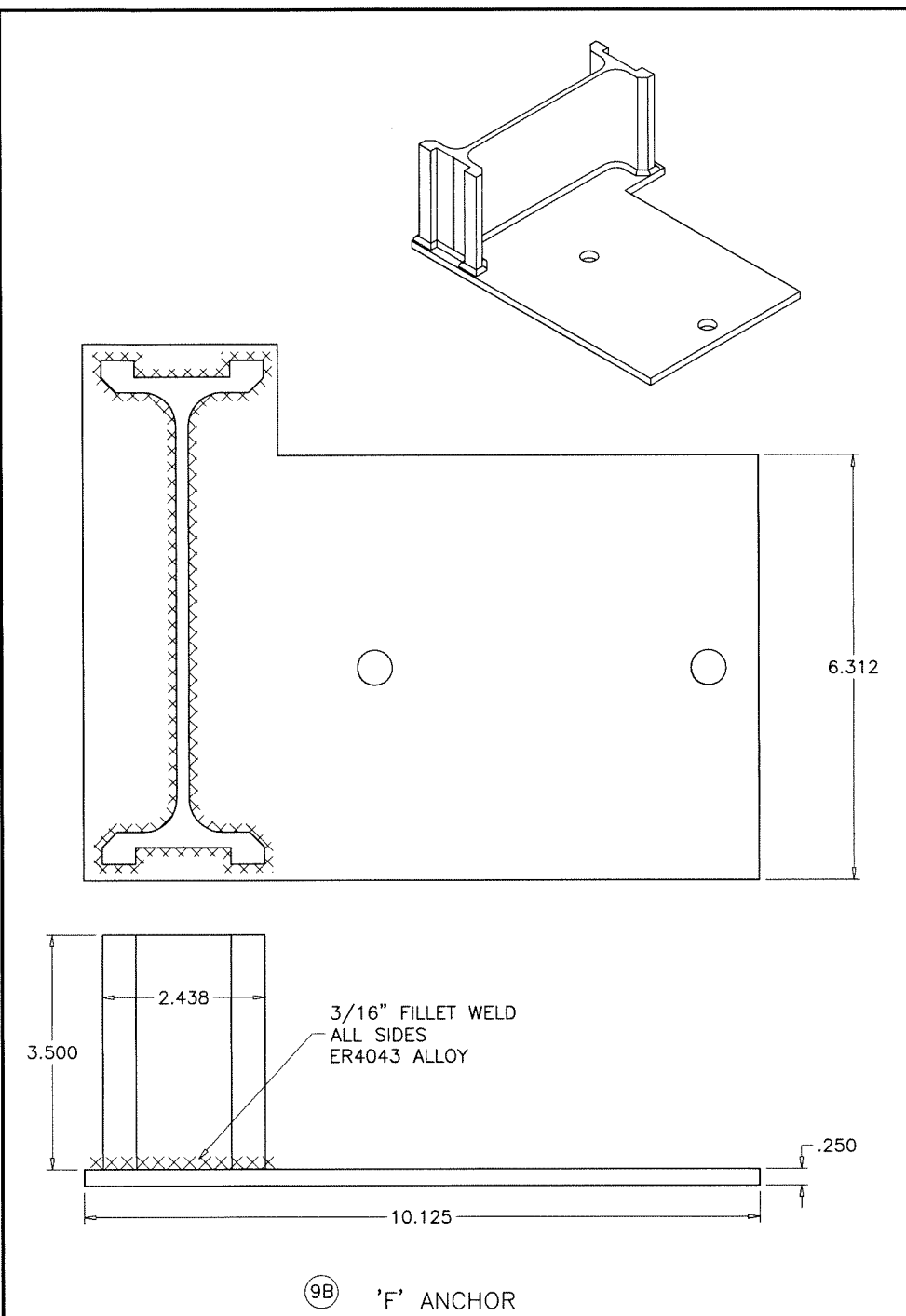
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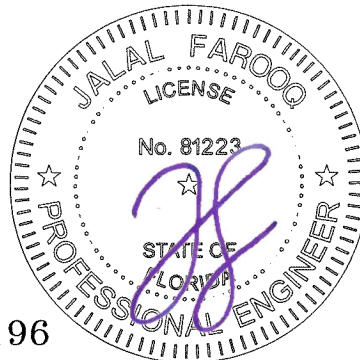
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ITEM NO.	PART NO.	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GT-700	AS REQD.	FRAME HEAD/SILL/HORIZONTAL	6063-T6	-
2	GT-714	AS REQD.	PRESSURE PLATE (LAM. GLASS)	6063-T5	-
2A	GT-719	AS REQD.	PRESSURE PLATE (INSUL. LAM. GLASS)	6063-T5	-
2B	GTE-715	AS REQD.	PRESSURE PLATE (DECORATIVE)	6063-T5	-
3	GT-705	AS REQD.	6-5/8" MALE MULLION	6063-T6	-
3A	GT-723	AS REQD.	8-1/4" MALE MULLION	6063-T6	-
4	GT-706	AS REQD.	6-5/8" FEMALE MULLION	6063-T6	-
4A	GT-724	AS REQD.	8-1/4" FEMALE MULLION	6063-T6	-
5	GT-707	AS REQD.	5-7/8" SPLICE/STIFFENER	6105-T5	-
5A	GT-722	AS REQD.	7-1/2" SPLICE/STIFFENER	6105-T5	-
6	GT-713	AS REQD.	EXTERIOR SNAP COVER	6063-T5	-
7	GT-701	AS REQD.	INTERIOR SNAP COVER	6063-T5	-
8	GT-702	AS REQD.	GLAZING ADAPTER (LAM. GLASS)	6063-T6	-
8A	GT-717	AS REQD.	GLAZING ADAPTER (INSUL. LAM. GLASS)	6063-T6	-
9	GT-715	AS REQD.	'F' ANCHOR	6105-T5	-
9A	-	AS REQD.	ALT. 'F' ANCHOR	6105-T5	-
9B	-	AS REQD.	ALT. 'F' ANCHOR	6105-T5	-
10	-	AS REQD.	'T' ANCHOR	6105-T5	-
10A	-	AS REQD.	ALT. 'T' ANCHOR	6105-T5	-
10B	-	AS REQD.	ALT. 'T' ANCHOR	6105-T5	-
11	GT-710	AS REQD.	CORNER PRESSURE PLATE	6063-T5	-
12	GT-709	AS REQD.	CORNER EXTERIOR ADAPTER	6063-T5	-
13	GT-708	AS REQD.	CORNER INTERIOR ADAPTER	6063-T5	-
14	GT-711	AS REQD.	CORNER SNAP COVER	6063-T5	-
16	-	AS REQD.	GLASS SHELF (LAM. GLASS)	6063-T5	-
16A	-	AS REQD.	GLASS SHELF (INSUL. LAM. GLASS)	6063-T5	-
17	6700-01-00	AS REQD.	INTERIOR GLAZING GASKET	EPDM	EXTRUDED POLYMERS
18	6699-01-00	AS REQD.	EXTERIOR GLAZING GASKET	EPDM	EXTRUDED POLYMERS
19	-	AS REQD.	BULB VINYL	SOFT PVC	-
21	1/4-20 X 5/8"	AS REQD.	PRESSURE PLATE SCREWS	ZINC PLATED ST.	HEX HEAD MS, AT 1-1/2" FROM ENDS & 9" O.C. MAX.
21A	1/4-20 X 1-1/2"	AS REQD.	PRESSURE PLATE SCREWS AT 90° CORNERS	ZINC PLATED ST.	HEX HEAD MS, AT 1-1/2" FROM ENDS & 9" O.C. MAX.
22	#12 X 1-1/2"	4/ CORNER	FRAME ASSEMBLY SCREWS	ZINC PLATED ST.	HEX HEAD SELF DRILLING
23	#8 X 3/4"	AS REQD.	INTERIOR/EXTERIOR ADAPTER SCREWS	ZINC PLATED ST.	FH SELF DRILLING, AT 9" O.C.
25	-	AS REQD.	REINFORCING CHANNEL	STEEL	4-3/4" X 1" X 3/16"
25A	-	AS REQD.	REINFORCING CHANNEL	STEEL	6-3/8" X 1" X 3/16"
26	-	AS REQD.	REINFORCING CHANNEL	STEEL	4-3/4" X 1" X 1/4"
26A	-	AS REQD.	REINFORCING CHANNEL	STEEL	6-3/8" X 1" X 1/4"
28	GT-704	AS REQD.	MALE INTERMEDIATE HORIZONTAL	6063-T6	-
29	GT-703	AS REQD.	FEMALE INTERMEDIATE HORIZONTAL	6063-T6	-
30	-	AS REQD.	LOW PROFILE SPACER	ALUMINUM	LINGEMANN-GRUPPE (HELIMA)
31	GT-725	AS REQD.	SPANDREL INFILL	6063-T6	-

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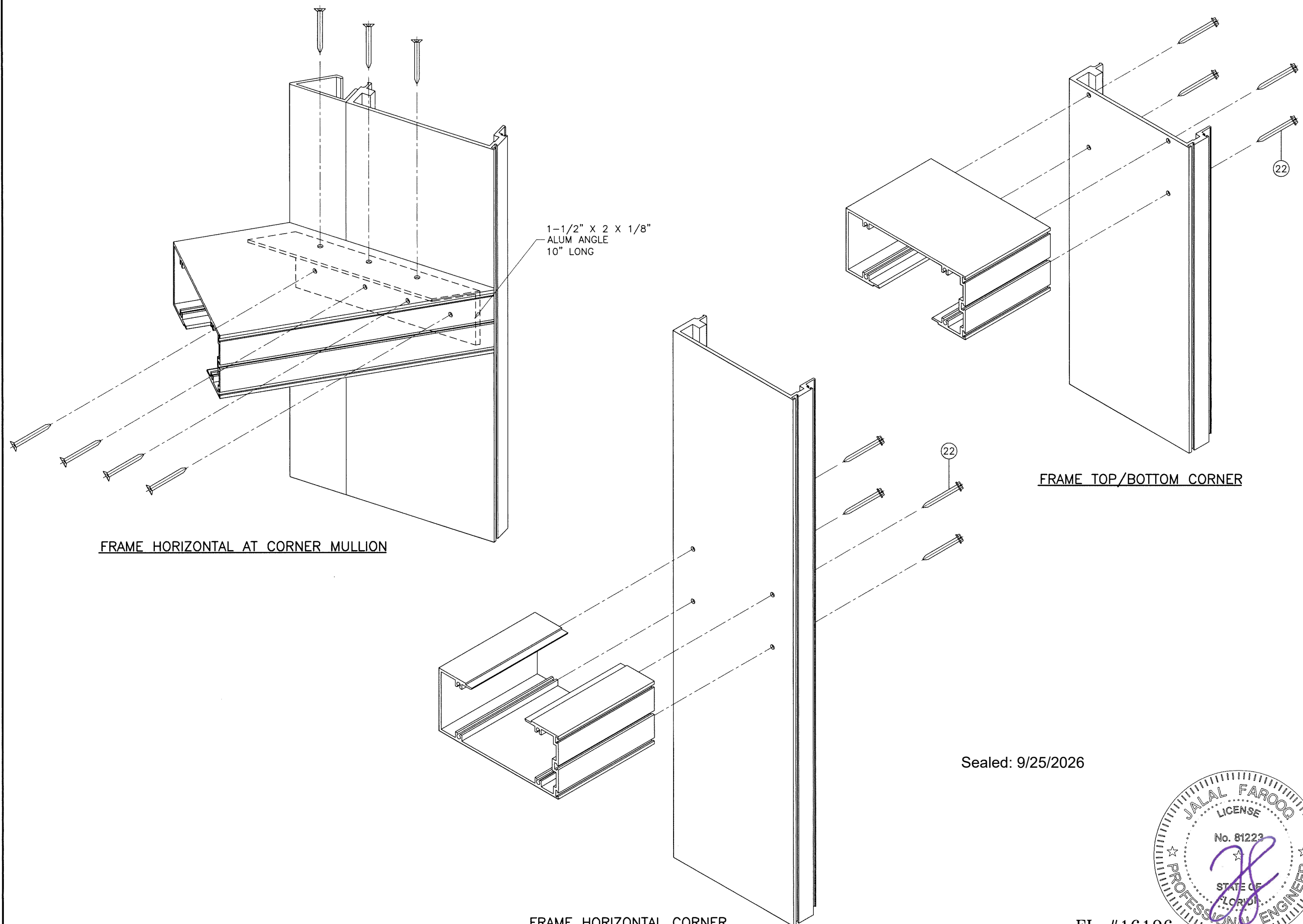
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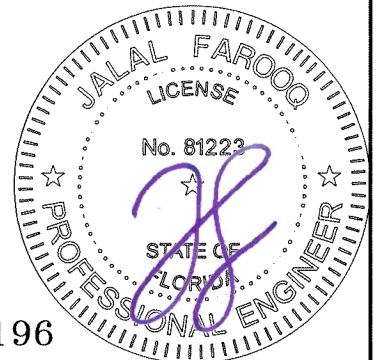
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