

SERIES-2047 ALUM CURTAIN WALL SYSTEM

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

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

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

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

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

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1
- DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2
- SEE CHARTS ON 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                         |

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

LAMINATED GLASS  
INSUL. LAM. GLASS  
LARGE MISSILE IMPACT

Sealed: 12/18/2023

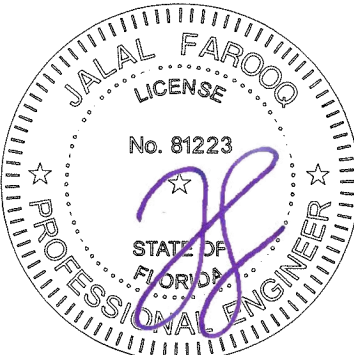
FL #16196

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.



afcc

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.)

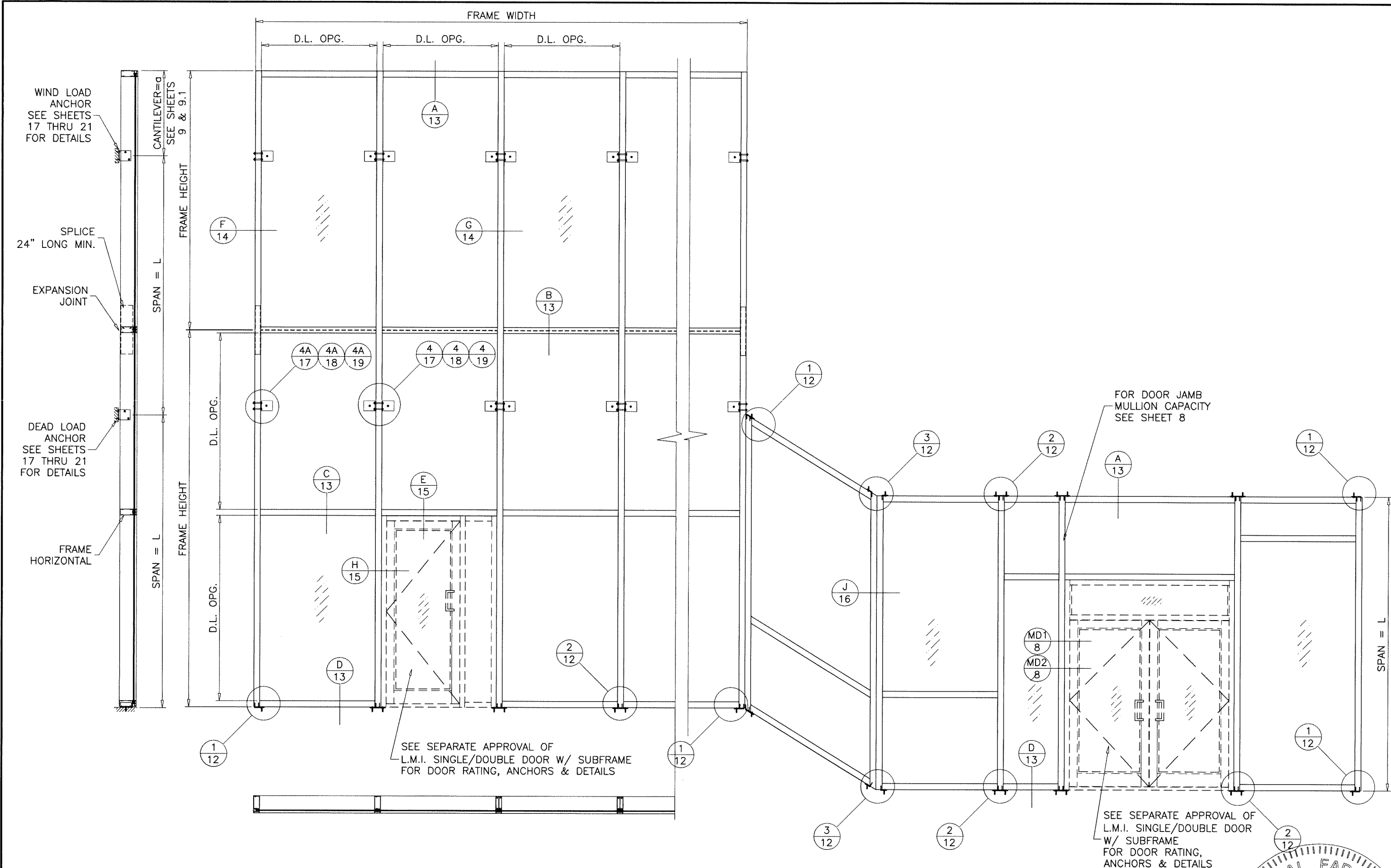
Glass Tech Engineering, Inc.  
8321 N.W. 70th Street  
Miami, FL. 33166  
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:  
no date by description  
A 06.11.19 LEVEL E IMPACT ADDED  
B 03.11.21 UPDATED TO 2020 FBC  
C 12.06.23 UPDATED TO 2023 FBC

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

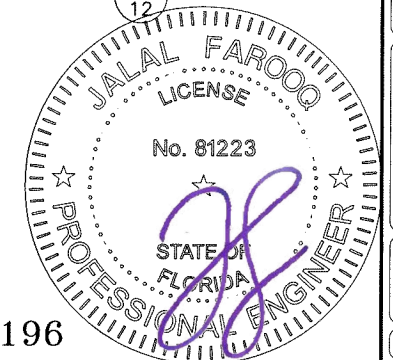
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W17-76  
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**TYPICAL ELEVATION  
PRESSURE PLATE SYSTEM**

Sealed: 12/18/2023  
FL #16196



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Miami, FL. 33166  
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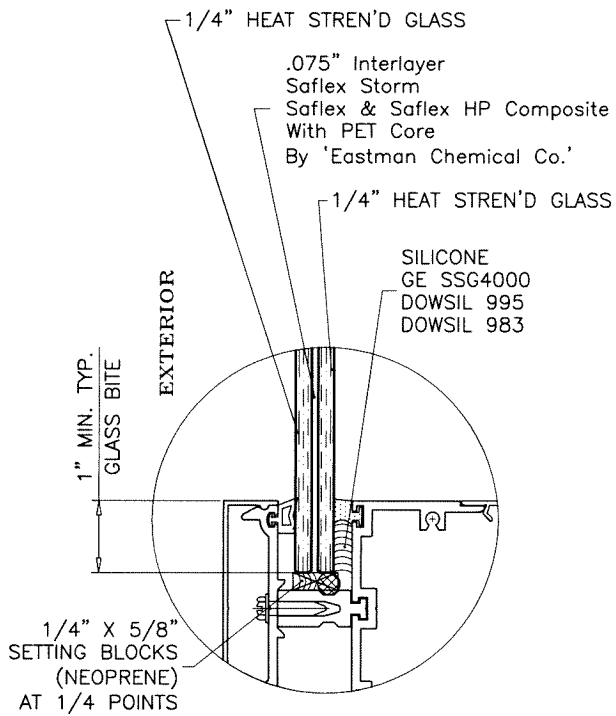
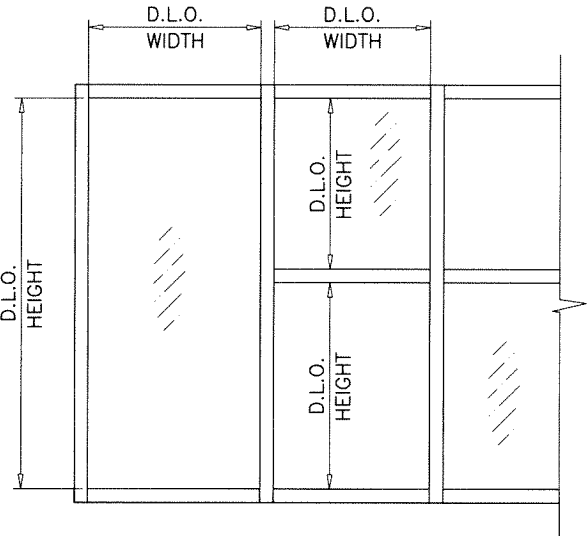
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**W17-76**  
sheet 2 of 24

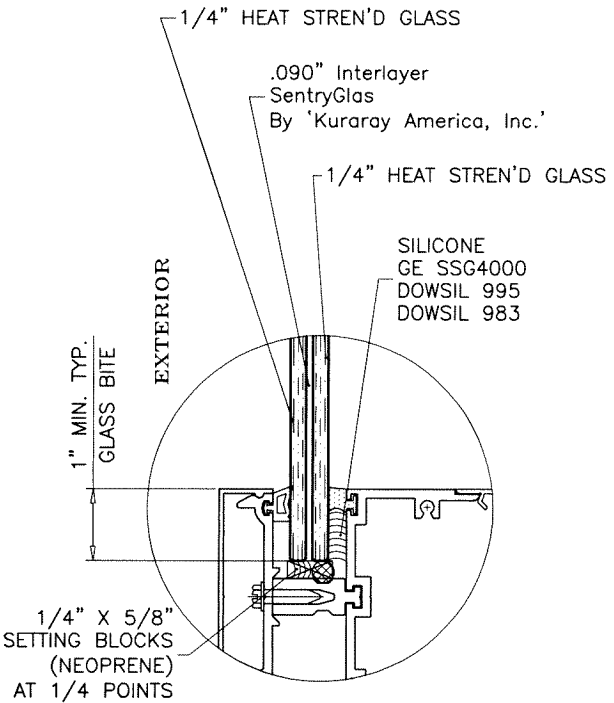


| GLASS LOAD CAPACITY - PSF |                  |                                |
|---------------------------|------------------|--------------------------------|
| NOMINAL DIMS.             |                  | GLASS TYPES<br>'A', 'B' & 'BB' |
| D.L.O.<br>WIDTH           | D.L.O.<br>HEIGHT | EXT. (+)<br>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                          |
| 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                          |
| 57"                       | 96-1/2"          | 120.7                          |
| 57"                       | 97-3/8"          | 119.5                          |
| 36"                       | 102"             | 145.0                          |
| 39"                       |                  | 145.0                          |
| 42"                       |                  | 145.0                          |
| 45"                       |                  | 137.3                          |
| 48"                       |                  | 129.4                          |
| 51"                       |                  | 120.0                          |
| 54"                       |                  | 118.5                          |
| 36"                       | 108"             | 145.0                          |
| 39"                       |                  | 145.0                          |
| 42"                       |                  | 140.2                          |
| 45"                       |                  | 131.1                          |
| 48"                       |                  | 125.6                          |
| 51"                       |                  | 117.7                          |
| 36"                       | 114"             | 145.0                          |
| 39"                       |                  | 144.4                          |
| 42"                       |                  | 134.9                          |
| 45"                       |                  | 128.9                          |
| 48"                       |                  | 119.5                          |

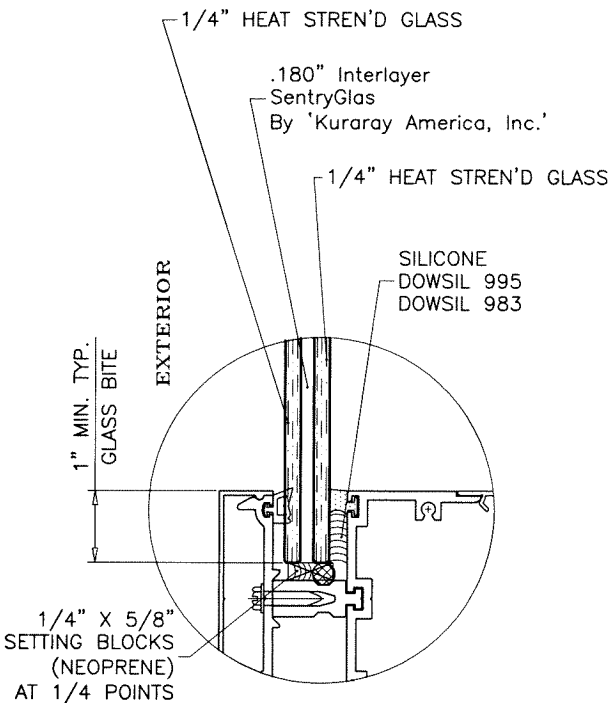
| GLASS LOAD CAPACITY - PSF |                  |                                |
|---------------------------|------------------|--------------------------------|
| NOMINAL DIMS.             |                  | GLASS TYPES<br>'A', 'B' & 'BB' |
| D.L.O.<br>WIDTH           | D.L.O.<br>HEIGHT | EXT. (+)<br>INT. (-)           |
| 36"                       | 120"             | 145.0                          |
| 39"                       |                  | 142.2                          |
| 42"                       |                  | 134.6                          |
| 45"                       |                  | 120.0                          |
| 36"                       |                  | 145.0                          |
| 39"                       | 126"             | 142.8                          |
| 42"                       |                  | 120.0                          |
| 36"                       |                  | 145.0                          |
| 39"                       | 132"             | 145.0                          |
| 42"                       |                  | 120.0                          |
| 36"                       |                  | 145.0                          |
| 39"                       | 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 E1300-09 (3 SEC. GUSTS)

Sealed: 12/18/2023

FL #16196



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

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| revisions: |                     |
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| no         | date by description |
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date: 08-24-17

scale: 3/8" = 1"

dr. by: TARIQ

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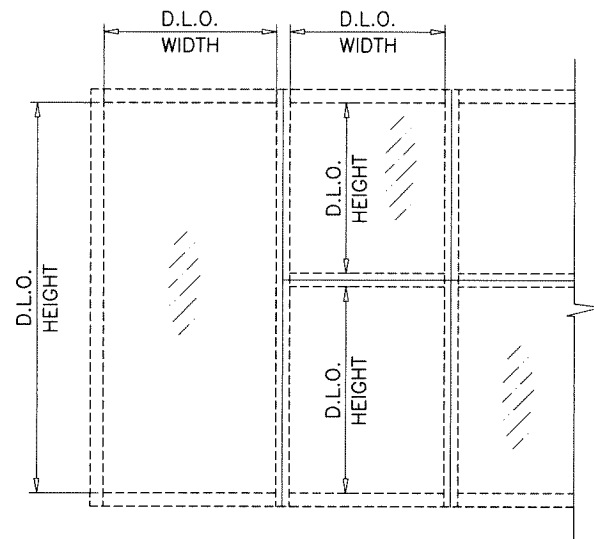
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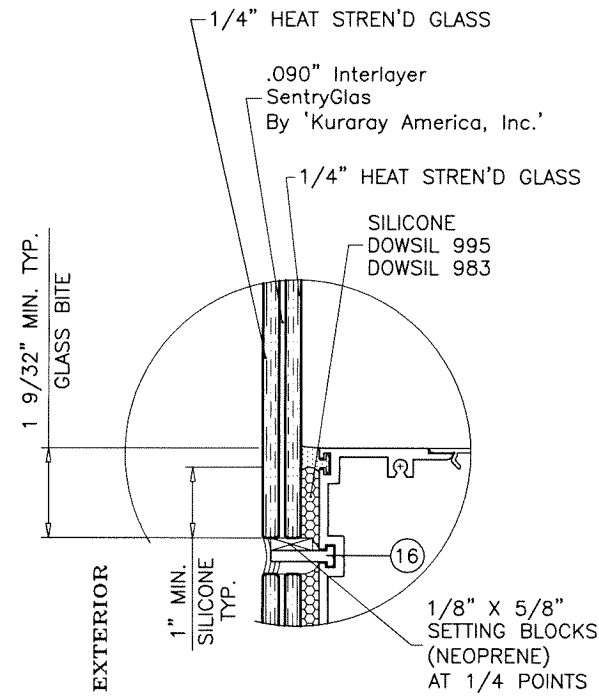
sheet 4 of 24

| GLASS LOAD CAPACITY - PSF |               |                                       |
|---------------------------|---------------|---------------------------------------|
| NOMINAL DIMS.             |               | GLASS TYPES<br>'C', 'C1', 'CC', 'CC1' |
| D.L.O. WIDTH              | D.L.O. HEIGHT | EXT. (+)<br>INT. (-)                  |
| 30"                       | 90"           | 100.0                                 |
| 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                                  |

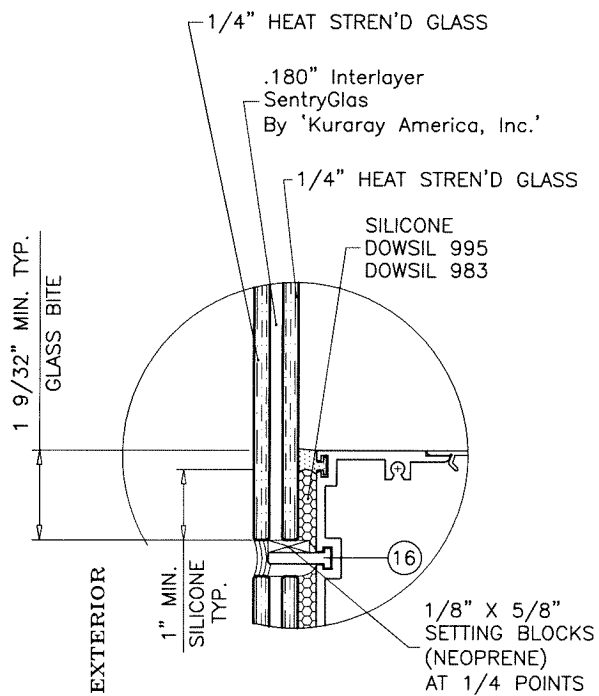
| GLASS LOAD CAPACITY - PSF |               |                                       |
|---------------------------|---------------|---------------------------------------|
| NOMINAL DIMS.             |               | GLASS TYPES<br>'C', 'C1', 'CC', 'CC1' |
| D.L.O. WIDTH              | D.L.O. HEIGHT | EXT. (+)<br>INT. (-)                  |
| 30"                       | 126"          | 100.0                                 |
| 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                                 |
| 60"                       |               | 96.0                                  |
| 66"                       |               | 87.3                                  |
| 72"                       |               | 80.0                                  |
| 78"                       |               | 73.8                                  |
| 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                                  |



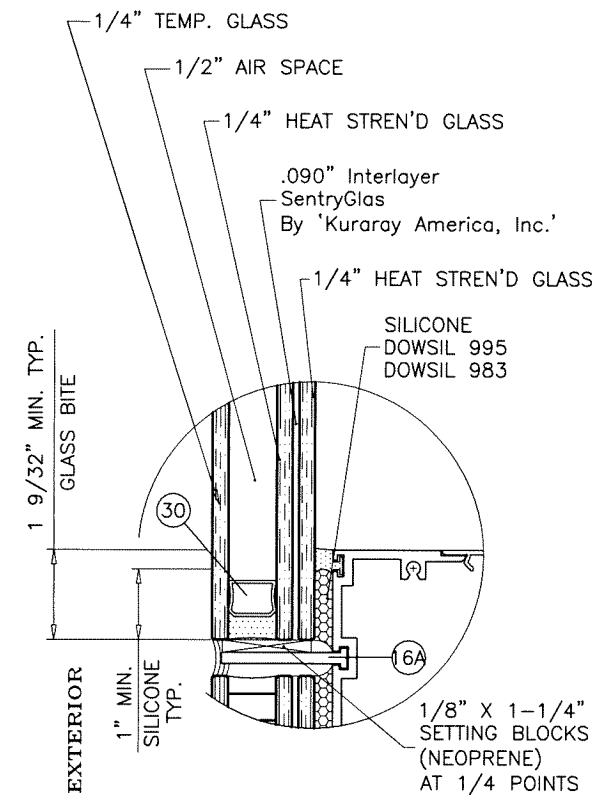
NOTE:  
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ASTM E1300-09 (3 SEC. GUSTS)



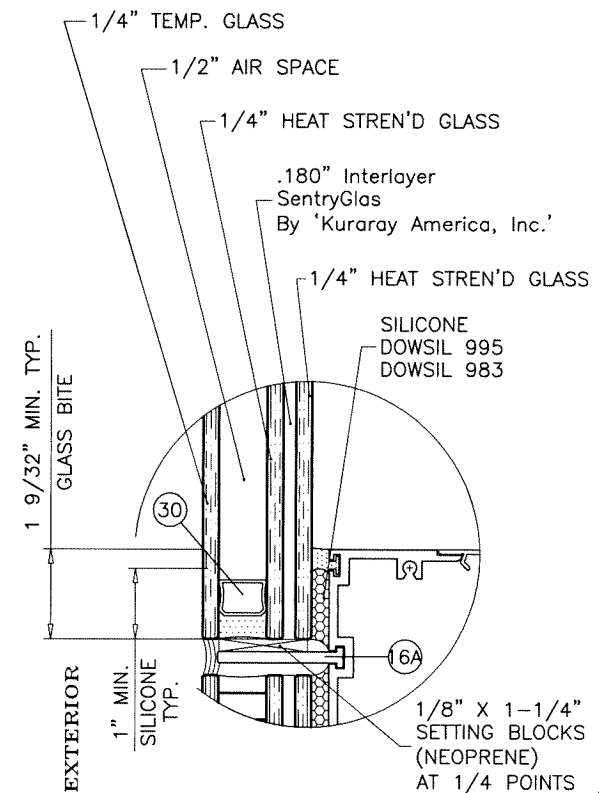
GLASS TYPE 'C'  
LEVEL 'D' IMPACT



GLASS TYPE 'CC'  
LEVEL 'E' IMPACT

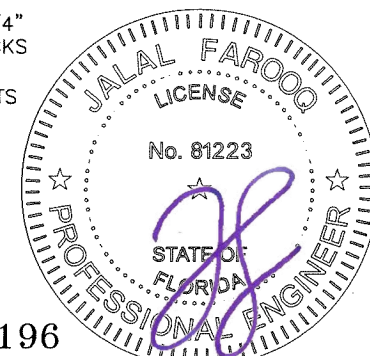


GLASS TYPE 'C1'  
LEVEL 'D' IMPACT



GLASS TYPE 'CC1'  
LEVEL 'E' IMPACT

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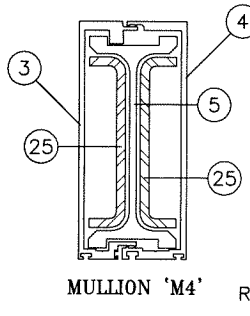
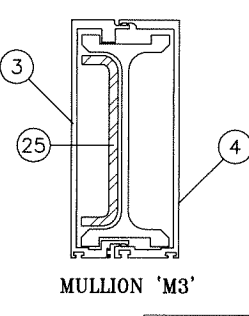
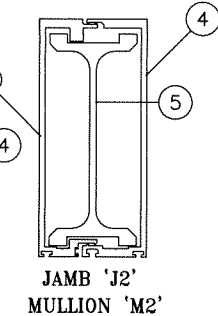
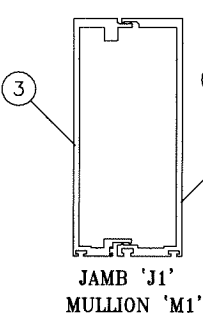
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dr. by: TARIQ  
chk. by:  
drawing no.  
**W17-76**  
sheet 5 of 24

| 6-5/8" MULLION LOAD CAPACITY - PSF<br>WITH OR WITHOUT INTERMEDIATE HORIZONTALS |              |                      |                      |                      |                      |                      |                      |
|--------------------------------------------------------------------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| NOMINAL DIMS.                                                                  |              | JAMB                 |                      | MULLION              |                      |                      |                      |
| WIDTH (W)                                                                      | FRAME HEIGHT | 'J1'                 | 'J2'                 | 'M1'                 | 'M2'                 | 'M3'                 | 'M4'                 |
|                                                                                |              | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>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                |
| 78"                                                                            |              | 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                |
| 78"                                                                            |              | 100.0                | 145.0                | 93.6                 | 145.0                | 145.0                | 145.0                |
| 84"                                                                            |              | 100.0                | 145.0                | 86.9                 | 141.2                | 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                |
| 78"                                                                            |              | 100.0                | 145.0                | 83.5                 | 135.6                | 145.0                | 145.0                |
| 84"                                                                            |              | 100.0                | 100.0                | 77.5                 | 100.0                | 100.0                | 100.0                |
| 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                |
| 78"                                                                            |              | 100.0                | 100.0                | 74.9                 | 100.0                | 100.0                | 100.0                |
| 84"                                                                            |              | 100.0                | 100.0                | 69.5                 | 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                |
| 78"                                                                            |              | 100.0                | 100.0                | 67.6                 | 100.0                | 100.0                | 100.0                |
| 84"                                                                            |              | 100.0                | 100.0                | 62.8                 | 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                |
| 78"                                                                            |              | 100.0                | 100.0                | 61.3                 | 99.6                 | 100.0                | 100.0                |
| 84"                                                                            |              | 100.0                | 100.0                | 56.9                 | 92.5                 | 100.0                | 100.0                |

| 6-5/8" MULLION LOAD CAPACITY - PSF<br>WITH OR WITHOUT INTERMEDIATE HORIZONTALS |              |                      |                      |                      |                      |                      |                      |
|--------------------------------------------------------------------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| NOMINAL DIMS.                                                                  |              | JAMB                 |                      | MULLION              |                      |                      |                      |
| WIDTH (W)                                                                      | FRAME HEIGHT | 'J1'                 | 'J2'                 | 'M1'                 | 'M2'                 | 'M3'                 | 'M4'                 |
|                                                                                |              | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>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                |
| 78"                                                                            |              | 100.0                | 100.0                | 55.9                 | 90.8                 | 100.0                | 100.0                |
| 84"                                                                            |              | 100.0                | 100.0                | 51.9                 | 84.3                 | 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                |
| 78"                                                                            |              | 100.0                | 100.0                | 51.1                 | 83.1                 | 100.0                | 100.0                |
| 84"                                                                            |              | 94.9                 | 100.0                | 47.5                 | 77.1                 | 96.9                 | 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                |
| 78"                                                                            |              | 93.9                 | 100.0                | 46.9                 | 76.3                 | 95.8                 | 100.0                |
| 84"                                                                            |              | 87.2                 | 100.0                | 40.0                 | 70.8                 | 89.0                 | 100.0                |
| 36"                                                                            | 156"         | 100.0                | 100.0                | 40.0                 | 100.0                | 100.0                | 100.0                |
| 42"                                                                            |              | 100.0                | 100.0                | 40.0                 | 100.0                | 100.0                | 100.0                |
| 48"                                                                            |              | 100.0                | 100.0                | 40.0                 | 100.0                | 100.0                | 100.0                |
| 54"                                                                            |              | 100.0                | 100.0                | 40.0                 | 93.9                 | 100.0                | 100.0                |
| 60"                                                                            |              | 100.0                | 100.0                | 40.0                 | 84.5                 | 100.0                | 100.0                |
| 66"                                                                            |              | 94.5                 | 100.0                | 40.0                 | 76.8                 | 96.5                 | 100.0                |
| 72"                                                                            |              | 86.7                 | 100.0                | 40.0                 | 70.4                 | 88.5                 | 100.0                |
| 78"                                                                            |              | 80.0                 | 100.0                | 39.3                 | 65.0                 | 81.7                 | 98.3                 |
| 84"                                                                            |              | 74.3                 | 100.0                | 36.5                 | 60.4                 | 75.8                 | 91.3                 |
| 36"                                                                            | 168"         | 100.0                | 100.0                | 40.0                 | 100.0                | 100.0                | 100.0                |
| 42"                                                                            |              | 100.0                | 100.0                | 40.0                 | 100.0                | 100.0                | 100.0                |
| 48"                                                                            |              | 100.0                | 100.0                | 40.0                 | 91.1                 | 100.0                | 100.0                |
| 54"                                                                            |              | 99.6                 | 100.0                | 40.0                 | 81.0                 | 100.0                | 100.0                |
| 60"                                                                            |              | 89.7                 | 100.0                | 40.0                 | 72.9                 | 91.5                 | 100.0                |
| 66"                                                                            |              | 81.5                 | 100.0                | 39.5                 | 66.2                 | 83.2                 | 100.0                |
| 72"                                                                            |              | 74.7                 | 100.0                | 36.2                 | 60.7                 | 76.3                 | 91.8                 |
| 78"                                                                            |              | 69.0                 | 100.0                | 33.3                 | 56.1                 | 70.4                 | 84.8                 |
| 84"                                                                            |              | 40.0                 | 40.0                 | 30.9                 | 40.0                 | 40.0                 | 40.0                 |



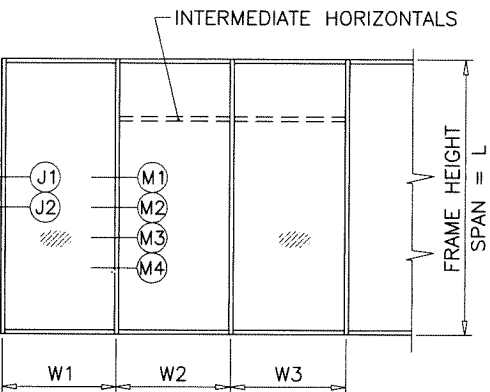
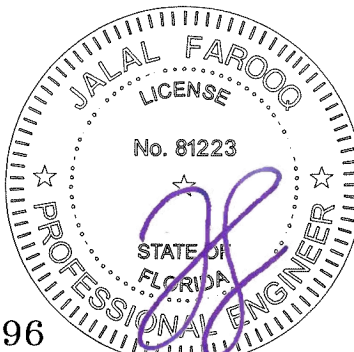
|         |         |
|---------|---------|
| M1/J1   | ALUM    |
| Ix IN^4 | 21.1207 |
| Sx IN^3 | 5.9127  |

|         |         |
|---------|---------|
| M2/J2   | ALUM    |
| Ix IN^4 | 34.9932 |
| Sx IN^3 | 9.7963  |

|                        |         |         |
|------------------------|---------|---------|
| ALUMINUM               | Ix IN^4 | Sx IN^3 |
| STEEL                  | 34.9932 | 9.7963  |
| TOTAL                  | 3.0917  | 1.3018  |
| Ix ALUM + Ix STL X 2.9 | 43.959  |         |

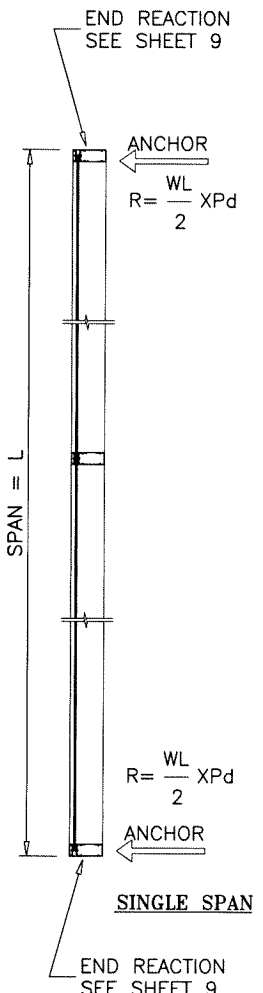
|                        |         |         |
|------------------------|---------|---------|
| ALUMINUM               | Ix IN^4 | Sx IN^3 |
| STEEL                  | 34.9932 | 9.7963  |
| TOTAL                  | 6.1834  | 2.6035  |
| Ix ALUM + Ix STL X 2.9 | 52.925  |         |

Sealed: 12/18/2023



WIDTH (W) = W1  
AT FRAME JAMB

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



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

**af c**

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:

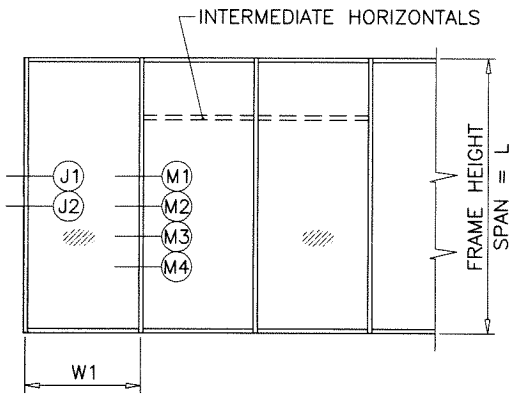
drawing no.  
**W17-76**  
sheet 6 of 24

| 8-1/4" JAMB LOAD CAPACITY - PSF<br>WITH OR W/O INTERMEDIATE HORIZONTALS |              |                      |                      |                      |
|-------------------------------------------------------------------------|--------------|----------------------|----------------------|----------------------|
| NOMINAL DIMS.                                                           |              | JAMB                 |                      |                      |
| WIDTH (W)                                                               | FRAME HEIGHT | 'J5'                 | 'J6'                 | 'J7'                 |
|                                                                         |              | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>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                |

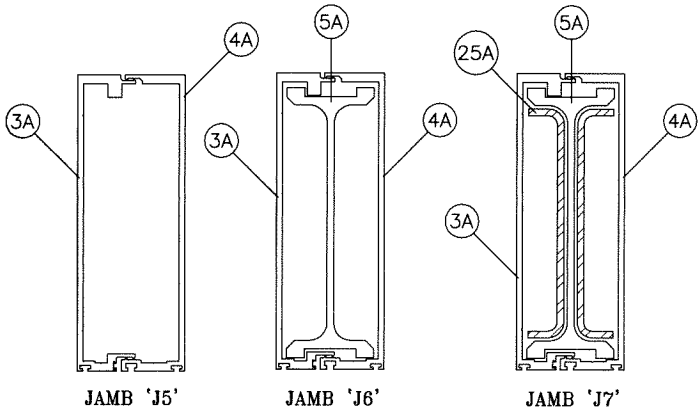
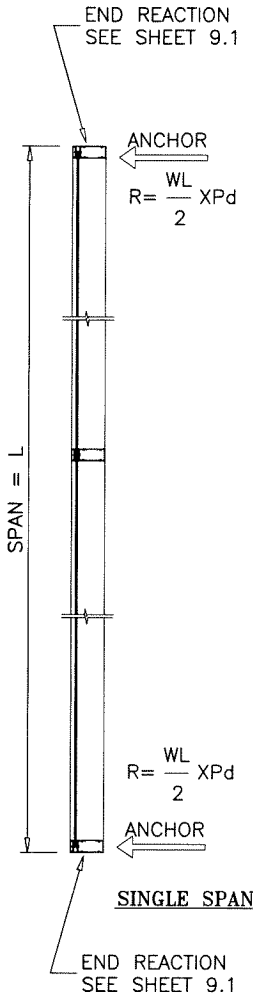
| 8-1/4" JAMB LOAD CAPACITY - PSF<br>WITH OR W/O INTERMEDIATE HORIZONTALS |              |                      |                      |                      |
|-------------------------------------------------------------------------|--------------|----------------------|----------------------|----------------------|
| NOMINAL DIMS.                                                           |              | JAMB                 |                      |                      |
| WIDTH (W)                                                               | FRAME HEIGHT | 'J5'                 | 'J6'                 | 'J7'                 |
|                                                                         |              | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>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<br>WITH OR W/O INTERMEDIATE HORIZONTALS |              |                      |                      |                      |
|-------------------------------------------------------------------------|--------------|----------------------|----------------------|----------------------|
| NOMINAL DIMS.                                                           |              | JAMB                 |                      |                      |
| WIDTH (W)                                                               | FRAME HEIGHT | 'J5'                 | 'J6'                 | 'J7'                 |
|                                                                         |              | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>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                |

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1  
AT FRAME JAMB



|         |       |         |        |                        |         |        |
|---------|-------|---------|--------|------------------------|---------|--------|
| J5      | ALUM  | J6      | ALUM   | ALUMINUM               | 66.395  | 14.622 |
| 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: 12/18/2023



FL #16196

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

**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 chg. by:

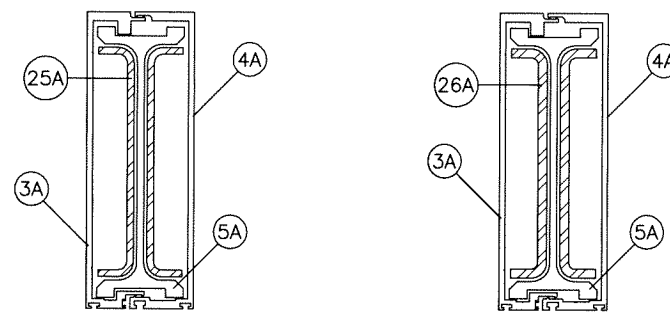
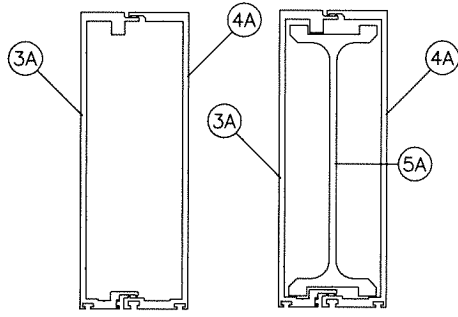
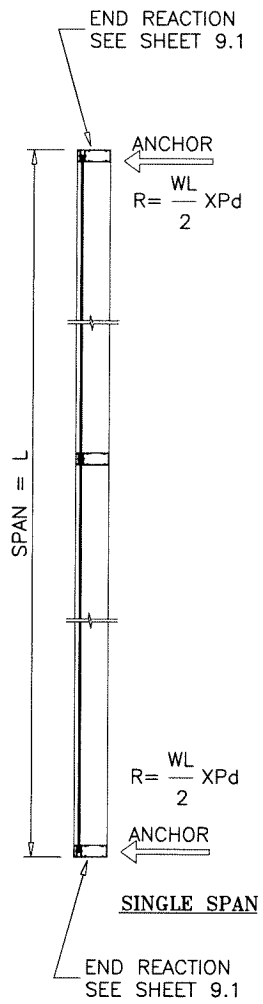
drawing no.  
**W17-76**  
sheet 7 of 24

| 8-1/4" MULLION LOAD CAPACITY - PSF<br>WITH OR W/O INTERMEDIATE HORIZONTALS |              |                      |                      |                      |                      |
|----------------------------------------------------------------------------|--------------|----------------------|----------------------|----------------------|----------------------|
| NOMINAL DIMS.                                                              |              | MULLION              |                      |                      |                      |
| WIDTH (W)                                                                  | FRAME HEIGHT | 'M5'                 | 'M6'                 | 'M7'                 | 'M8'                 |
|                                                                            |              | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |
| 36"                                                                        | 108"         | 100.0                | 100.0                | 100.0                | 100.0                |
| 42"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 48"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 54"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 60"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 66"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 72"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 78"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 84"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 36"                                                                        | 114"         | 100.0                | 100.0                | 100.0                | 100.0                |
| 42"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 48"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 54"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 60"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 66"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 72"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 78"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 84"                                                                        |              | 94.1                 | 100.0                | 100.0                | 100.0                |
| 36"                                                                        | 120"         | 100.0                | 100.0                | 100.0                | 100.0                |
| 42"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 48"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 54"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 60"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 66"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 72"                                                                        |              | 99.1                 | 100.0                | 100.0                | 100.0                |
| 78"                                                                        |              | 91.5                 | 100.0                | 100.0                | 100.0                |
| 84"                                                                        |              | 84.9                 | 100.0                | 100.0                | 100.0                |
| 36"                                                                        | 126"         | 100.0                | 100.0                | 100.0                | 100.0                |
| 42"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 48"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 54"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 60"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 66"                                                                        |              | 98.0                 | 100.0                | 100.0                | 100.0                |
| 72"                                                                        |              | 89.9                 | 100.0                | 100.0                | 100.0                |
| 78"                                                                        |              | 83.0                 | 100.0                | 100.0                | 100.0                |
| 84"                                                                        |              | 77.0                 | 100.0                | 100.0                | 100.0                |
| 36"                                                                        | 132"         | 100.0                | 100.0                | 100.0                | 100.0                |
| 42"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 48"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 54"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 60"                                                                        |              | 98.3                 | 100.0                | 100.0                | 100.0                |
| 66"                                                                        |              | 89.3                 | 100.0                | 100.0                | 100.0                |
| 72"                                                                        |              | 81.9                 | 100.0                | 100.0                | 100.0                |
| 78"                                                                        |              | 75.6                 | 100.0                | 100.0                | 100.0                |
| 84"                                                                        |              | 70.2                 | 100.0                | 100.0                | 100.0                |
| 36"                                                                        | 138"         | 100.0                | 100.0                | 100.0                | 100.0                |
| 42"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 48"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 54"                                                                        |              | 99.9                 | 100.0                | 100.0                | 100.0                |
| 60"                                                                        |              | 89.9                 | 100.0                | 100.0                | 100.0                |
| 66"                                                                        |              | 81.7                 | 100.0                | 100.0                | 100.0                |
| 72"                                                                        |              | 74.9                 | 100.0                | 100.0                | 100.0                |
| 78"                                                                        |              | 69.2                 | 100.0                | 100.0                | 100.0                |
| 84"                                                                        |              | 64.2                 | 100.0                | 100.0                | 100.0                |

| 8-1/4" MULLION LOAD CAPACITY - PSF<br>WITH OR W/O INTERMEDIATE HORIZONTALS |              |                      |                      |                      |                      |
|----------------------------------------------------------------------------|--------------|----------------------|----------------------|----------------------|----------------------|
| NOMINAL DIMS.                                                              |              | MULLION              |                      |                      |                      |
| WIDTH (W)                                                                  | FRAME HEIGHT | 'M5'                 | 'M6'                 | 'M7'                 | 'M8'                 |
|                                                                            |              | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |
| 36"                                                                        | 144"         | 100.0                | 100.0                | 100.0                | 100.0                |
| 42"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 48"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 54"                                                                        |              | 91.7                 | 100.0                | 100.0                | 100.0                |
| 60"                                                                        |              | 82.6                 | 100.0                | 100.0                | 100.0                |
| 66"                                                                        |              | 75.1                 | 100.0                | 100.0                | 100.0                |
| 72"                                                                        |              | 68.8                 | 100.0                | 100.0                | 100.0                |
| 78"                                                                        |              | 63.5                 | 100.0                | 100.0                | 100.0                |
| 84"                                                                        |              | 59.0                 | 97.1                 | 100.0                | 100.0                |
| 36"                                                                        | 156"         | 100.0                | 100.0                | 100.0                | 100.0                |
| 42"                                                                        |              | 100.0                | 100.0                | 100.0                | 100.0                |
| 48"                                                                        |              | 87.9                 | 100.0                | 100.0                | 100.0                |
| 54"                                                                        |              | 78.2                 | 100.0                | 100.0                | 100.0                |
| 60"                                                                        |              | 70.4                 | 100.0                | 100.0                | 100.0                |
| 66"                                                                        |              | 64.0                 | 100.0                | 100.0                | 100.0                |
| 72"                                                                        |              | 58.6                 | 96.5                 | 100.0                | 100.0                |
| 78"                                                                        |              | 54.1                 | 89.1                 | 100.0                | 100.0                |
| 84"                                                                        |              | 50.3                 | 82.7                 | 100.0                | 100.0                |
| 36"                                                                        | 168"         | 100.0                | 100.0                | 100.0                | 100.0                |
| 42"                                                                        |              | 86.7                 | 100.0                | 100.0                | 100.0                |
| 48"                                                                        |              | 75.8                 | 100.0                | 100.0                | 100.0                |
| 54"                                                                        |              | 67.4                 | 100.0                | 100.0                | 100.0                |
| 60"                                                                        |              | 60.7                 | 99.9                 | 100.0                | 100.0                |
| 66"                                                                        |              | 55.2                 | 90.8                 | 100.0                | 100.0                |
| 72"                                                                        |              | 50.6                 | 83.2                 | 100.0                | 100.0                |
| 78"                                                                        |              | 46.7                 | 76.8                 | 100.0                | 100.0                |
| 84"                                                                        |              | 40.0                 | 71.3                 | 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"                                                                        |              | -                    | 96.7                 | 100.0                | 100.0                |
| 60"                                                                        |              | -                    | 87.0                 | 100.0                | 100.0                |
| 66"                                                                        |              | -                    | 79.1                 | 100.0                | 100.0                |
| 72"                                                                        |              | -                    | 72.5                 | 100.0                | 100.0                |
| 78"                                                                        |              | -                    | 66.9                 | 100.0                | 100.0                |
| 84"                                                                        |              | -                    | 62.2                 | 100.0                | 100.0                |
| 36"                                                                        | 192"         | -                    | 100.0                | 100.0                | 100.0                |
| 42"                                                                        |              | -                    | 100.0                | 100.0                | 100.0                |
| 48"                                                                        |              | -                    | 95.6                 | 100.0                | 100.0                |
| 54"                                                                        |              | -                    | 85.0                 | 100.0                | 100.0                |
| 60"                                                                        |              | -                    | 76.5                 | 100.0                | 100.0                |
| 66"                                                                        |              | -                    | 69.5                 | 100.0                | 100.0                |
| 72"                                                                        |              | -                    | 63.7                 | 100.0                | 100.0                |
| 78"                                                                        |              | -                    | 58.8                 | 97.0                 | 100.0                |
| 84"                                                                        |              | -                    | 54.6                 | 90.1                 | 99.9                 |
| 36"                                                                        | 204"         | -                    | 100.0                | 100.0                | 100.0                |
| 42"                                                                        |              | -                    | 96.8                 | 100.0                | 100.0                |
| 48"                                                                        |              | -                    | 84.7                 | 100.0                | 100.0                |
| 54"                                                                        |              | -                    | 75.3                 | 100.0                | 100.0                |
| 60"                                                                        |              | -                    | 67.7                 | 100.0                | 100.0                |
| 66"                                                                        |              | -                    | 61.6                 | 100.0                | 100.0                |
| 72"                                                                        |              | -                    | 56.5                 | 93.1                 | 100.0                |
| 78"                                                                        |              | -                    | 52.1                 | 85.9                 | 95.3                 |
| 84"                                                                        |              | -                    | 48.4                 | 79.8                 | 88.5                 |

| 8-1/4" MULLION LOAD CAPACITY - PSF<br>WITH OR W/O INTERMEDIATE HORIZONTALS |              |                      |                      |                      |                      |
|----------------------------------------------------------------------------|--------------|----------------------|----------------------|----------------------|----------------------|
| NOMINAL DIMS.                                                              |              | MULLION              |                      |                      |                      |
| WIDTH (W)                                                                  | FRAME HEIGHT | 'M5'                 | 'M6'                 | 'M7'                 | 'M8'                 |
|                                                                            |              | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |
| 36"                                                                        | 216"         | -                    | 100.0                | 100.0                | 100.0                |
| 42"                                                                        |              | -                    | 86.3                 | 100.0                | 100.0                |
| 48"                                                                        |              | -                    | 75.5                 | 100.0                | 100.0                |
| 54"                                                                        |              | -                    | 67.1                 | 100.0                | 100.0                |
| 60"                                                                        |              | -                    | 60.4                 | 99.6                 | 100.0                |
| 66"                                                                        |              | -                    | 54.9                 | 90.6                 | 100.0                |
| 72"                                                                        |              | -                    | 50.4                 | 83.0                 | 92.1                 |
| 78"                                                                        |              | -                    | 46.5                 | 76.6                 | 85.0                 |
| 84"                                                                        |              | -                    | 43.2                 | 71.2                 | 79.0                 |
| 36"                                                                        | 228"         | -                    | 90.4                 | 100.0                | 100.0                |
| 42"                                                                        |              | -                    | 77.5                 | 100.0                | 100.0                |
| 48"                                                                        |              | -                    | 67.8                 | 100.0                | 100.0                |
| 54"                                                                        |              | -                    | 60.3                 | 99.3                 | 100.0                |
| 60"                                                                        |              | -                    | 54.2                 | 89.4                 | 99.2                 |
| 66"                                                                        |              | -                    | 49.3                 | 81.3                 | 90.2                 |
| 72"                                                                        |              | -                    | 45.2                 | 74.5                 | 82.7                 |
| 78"                                                                        |              | -                    | 41.7                 | 68.8                 | 76.3                 |
| 84"                                                                        |              | -                    | 38.7                 | 63.9                 | 70.9                 |
| 36"                                                                        | 240"         | -                    | 81.6                 | 100.0                | 100.0                |
| 42"                                                                        |              | -                    | 69.9                 | 100.0                | 100.0                |
| 48"                                                                        |              | -                    | 61.2                 | 100.0                | 100.0                |
| 54"                                                                        |              | -                    | 54.4                 | 89.7                 | 99.5                 |
| 60"                                                                        |              | -                    | 48.9                 | 80.7                 | 89.5                 |
| 66"                                                                        |              | -                    | 44.5                 | 73.4                 | 81.4                 |
| 72"                                                                        |              | -                    | 40.8                 | 67.2                 | 74.6                 |
| 78"                                                                        |              | -                    | 37.6                 | 62.1                 | 68.9                 |
| 84"                                                                        |              | -                    | 35.0                 | 57.6                 | 64.0                 |

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

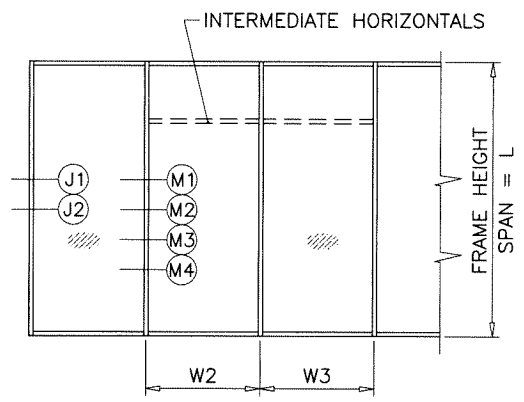


| M5                 | ALUM  | M6                 | ALUM   |
|--------------------|-------|--------------------|--------|
| Ix IN <sup>4</sup> | 38.88 | Ix IN <sup>4</sup> | 66.395 |
| Sx IN <sup>3</sup> | 8.562 | Sx IN <sup>3</sup> | 14.622 |

| ALUMINUM | Ix IN <sup>4</sup>     | Sx IN <sup>3</sup> |
|----------|------------------------|--------------------|
| STEEL    | 14.943                 | 4.426              |
| TOTAL    | Ix ALUM + Ix STL X 2.9 | 109.729            |

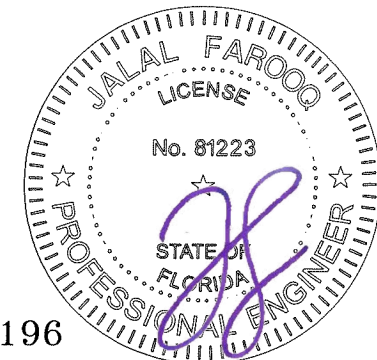
| ALUMINUM | Ix IN <sup>4</sup>     | Sx IN <sup>3</sup> |
|----------|------------------------|--------------------|
| STEEL    | 19.480                 | 5.717              |
| TOTAL    | Ix ALUM + Ix STL X 2.9 | 122.887            |

REINF. LENGTH = MULL LENGTH-6"



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

Sealed: 12/18/2023  
FL #16196



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 262-6978  
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 7.1 of 24

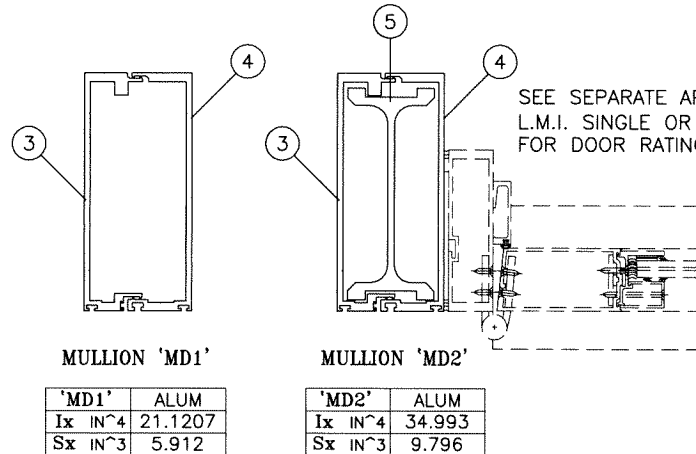
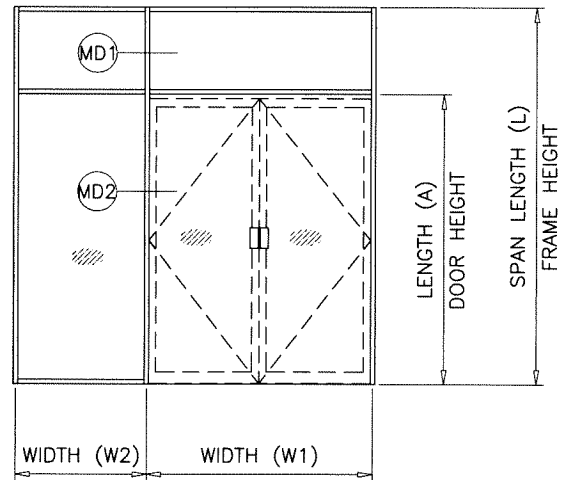
| 6-5/8" DOOR MULLION LOAD CAPACITY - PSF |            |            |                 |                 |                 |
|-----------------------------------------|------------|------------|-----------------|-----------------|-----------------|
| NOMINAL DIMS.                           |            |            |                 | 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"        | 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            |
| 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"        | 84"        | 120"            | 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"        | 84"        | 132"            | 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            |
|                                         | 72"        |            |                 | 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"        | 84"        | 144"            | 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"        | 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            |
| 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"        | 96"        | 120"            | 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"        | 96"        | 132"            | 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            |
|                                         | 72"        |            |                 | 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            |
| 86-5/8"                                 | 30"        | 96"        | 144"            | 65.5            | 90.0            |
|                                         | 36"        |            |                 | 62.2            | 90.0            |
|                                         | 42"        |            |                 | 59.1            | 90.0            |
|                                         | 48"        |            |                 | 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"        | 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"        |            |                 | 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"        | 108"       | 132"            | 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            |
|                                         | 72"        |            |                 | 64.8            | 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            |
|                                         | 72"        |            |                 | 57.2            | 90.0            |
| 86-5/8"                                 | 30"        | 108"       | 144"            | 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"        | 108"       | 132"            | 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            |
|                                         | 72"        |            |                 | 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            |
|                                         | 72"        |            |                 | 59.4            | 90.0            |
| 86-5/8"                                 | 30"        | 108"       | 144"            | 72.0            | 90.0            |
|                                         | 36"        |            |                 | 67.8            | 90.0            |
|                                         | 42"        |            |                 | 64.1            | 90.0            |
|                                         | 48"        |            |                 | 64.1            | 90.0            |

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



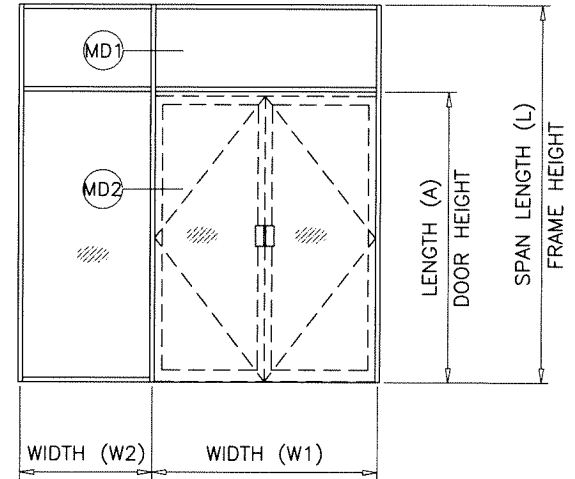
SEE SEPARATE APPROVAL OF L.M.I. SINGLE OR DOUBLE DOOR W/ SUBFRAME FOR DOOR RATING, ANCHORS & DETAILS

| 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           |
| 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           |
| 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           |
| 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           |
| 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           |
| 96"                                     | 36"        |            |                 | 84.3            | 100.0           | 100.0           |
|                                         | 48"        |            |                 | 100.0           | 100.0           | 100.0           |
|                                         | 60"        |            |                 | 99.9            | 100.0           | 100.0           |
|                                         | 72"        |            |                 | 92.2            | 100.0           | 100.0           |
| 74-5/8"                                 | 36"        | 84"        | 168"            | 85.6            | 100.0           | 100.0           |
|                                         | 48"        |            |                 | 79.9            | 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"        |            |                 | 92.0            | 100.0           | 100.0           |
|                                         | 60"        |            |                 | 84.4            | 100.0           | 100.0           |
|                                         | 72"        |            |                 | 78.0            | 100.0           | 100.0           |
| 96"                                     | 36"        |            |                 | 72.6            | 100.0           | 100.0           |
|                                         | 48"        |            |                 | 93.8            | 100.0           | 100.0           |
|                                         | 60"        |            |                 | 86.0            | 100.0           | 100.0           |
|                                         | 72"        |            |                 | 79.4            | 100.0           | 100.0           |
| 84"                                     | 36"        |            |                 | 73.7            | 100.0           | 100.0           |
|                                         | 48"        |            |                 | 68.8            | 100.0           | 100.0           |
|                                         | 60"        |            |                 |                 |                 |                 |
|                                         | 72"        |            |                 |                 |                 |                 |

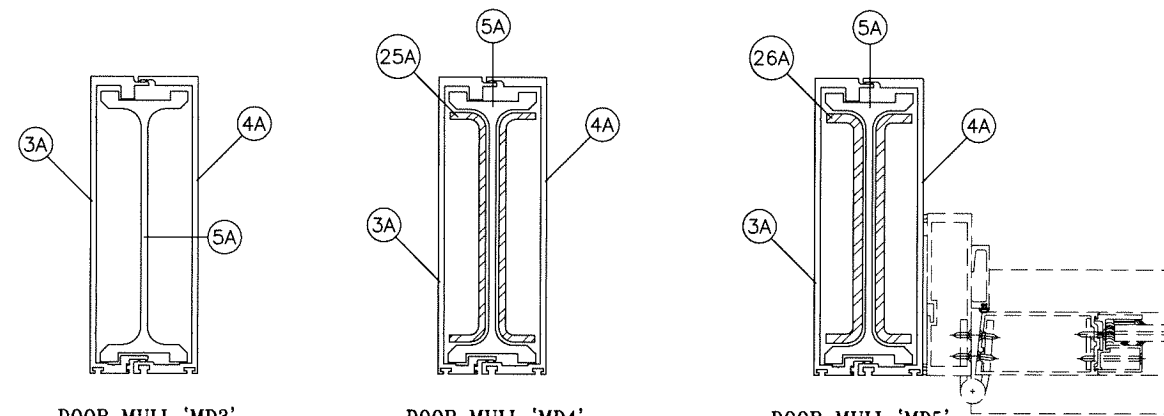
| 8-1/4" DOOR MULLION LOAD CAPACITY - PSF |            |            |                 |                 |                 |                 |
|-----------------------------------------|------------|------------|-----------------|-----------------|-----------------|-----------------|
| NOMINAL DIMS.                           |            |            |                 | 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           |
| 96"                                     | 36"        |            |                 | 63.3            | 100.0           | 100.0           |
|                                         | 48"        |            |                 | 81.8            | 100.0           | 100.0           |
|                                         | 60"        |            |                 | 75.0            | 100.0           | 100.0           |
|                                         | 72"        |            |                 | 69.2            | 100.0           | 100.0           |
| 74-5/8"                                 | 36"        | 84"        | 192"            | 64.3            | 100.0           | 100.0           |
|                                         | 48"        |            |                 | 60.0            | 95.7            | 100.0           |
|                                         | 60"        |            |                 | 86.1            | 100.0           | 100.0           |
|                                         | 72"        |            |                 | 77.5            | 100.0           | 100.0           |
|                                         | 84"        |            |                 | 70.1            | 100.0           | 100.0           |
| 86-5/8"                                 | 36"        |            |                 | 64.0            | 100.0           | 100.0           |
|                                         | 48"        |            |                 | 58.9            | 95.7            | 100.0           |
|                                         | 60"        |            |                 | 77.7            | 100.0           | 100.0           |
|                                         | 72"        |            |                 | 70.8            | 100.0           | 100.0           |
| 96"                                     | 36"        |            |                 | 64.6            | 100.0           | 100.0           |
|                                         | 48"        |            |                 | 59.4            | 95.8            | 100.0           |
|                                         | 60"        |            |                 | 55.0            | 89.0            | 98.8            |
|                                         | 72"        |            |                 | 72.2            | 100.0           | 100.0           |
| 74-5/8"                                 | 36"        | 84"        | 204"            | 66.2            | 100.0           | 100.0           |
|                                         | 48"        |            |                 | 60.9            | 97.5            | 100.0           |
|                                         | 60"        |            |                 | 56.3            | 90.5            | 100.0           |
|                                         | 72"        |            |                 | 52.3            | 84.4            | 93.7            |
|                                         | 84"        |            |                 | 72.8            | 100.0           | 100.0           |
| 86-5/8"                                 | 36"        |            |                 | 65.1            | 100.0           | 100.0           |
|                                         | 48"        |            |                 | 58.9            | 100.0           | 100.0           |
|                                         | 60"        |            |                 | 53.7            | 92.1            | 100.0           |
|                                         | 72"        |            |                 | 49.4            | 85.1            | 94.4            |
| 96"                                     | 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            |
| 74-5/8"                                 | 36"        | 84"        | 216"            | 46.2            | 79.2            | 87.9            |
|                                         | 48"        |            |                 | 61.4            | 100.0           | 100.0           |
|                                         | 60"        |            |                 | 55.9            | 94.0            | 100.0           |
|                                         | 72"        |            |                 | 51.2            | 86.7            | 96.3            |
|                                         | 84"        |            |                 | 47.3            | 80.5            | 89.3            |
| 86-5/8"                                 | 36"        |            |                 | 43.9            | 75.1            | 83.3            |
|                                         | 48"        |            |                 | 62.0            | 100.0           | 100.0           |
|                                         | 60"        |            |                 | 55.3            | 99.0            | 100.0           |
|                                         | 72"        |            |                 | 50.0            | 90.0            | 99.9            |
| 96"                                     | 36"        |            |                 | 45.6            | 82.6            | 91.6            |
|                                         | 48"        |            |                 | 41.9            | 76.2            | 84.6            |
|                                         | 60"        |            |                 | 56.2            | 99.2            | 100.0           |
|                                         | 72"        |            |                 | 50.7            | 90.2            | 100.0           |
| 84"                                     | 36"        | 84"        |                 | 42.4            | 76.4            | 84.8            |
|                                         | 48"        |            |                 | 39.2            | 71.0            | 78.7            |
|                                         | 60"        |            |                 | 52.4            | 92.2            | 100.0           |
|                                         | 72"        |            |                 | 47.5            | 84.4            | 93.7            |
|                                         | 84"        |            |                 | 43.5            | 77.8            | 86.3            |
| 96"                                     | 36"        |            |                 | 40.2            | 72.2            | 80.1            |
|                                         | 48"        |            |                 | 37.3            | 40.0            | 40.0            |
|                                         | 60"        |            |                 |                 |                 |                 |
|                                         | 72"        |            |                 |                 |                 |                 |

| 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            |
| 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            |
| 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            |
| 96"                                     | 36"        |            |                 | 39.1            | 40.0            | 40.0            |
|                                         | 48"        |            |                 | 35.4            | 40.0            | 40.0            |
|                                         | 60"        |            |                 | 32.4            | 40.0            | 40.0            |
|                                         | 72"        |            |                 |                 |                 |                 |

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'

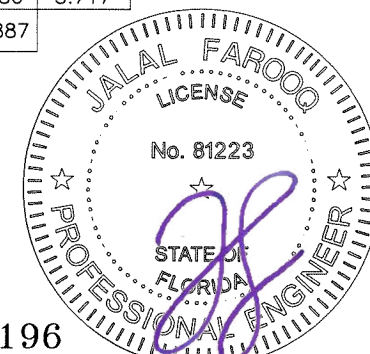
|                        | Ix IN^4 | Sx IN^3 |
|------------------------|---------|---------|
| ALUMINUM               | 66.395  | 14.622  |
| STEEL                  | 14.943  | 4.426   |
| TOTAL                  |         |         |
| Ix ALUM + Ix STL X 2.9 | 109.729 |         |

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: 12/18/2023  
FL #16196



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
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 |
|----|------|----|-------------|
|    |      |    |             |
|    |      |    |             |
|    |      |    |             |
|    |      |    |             |

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

drawing no. **W17-76**

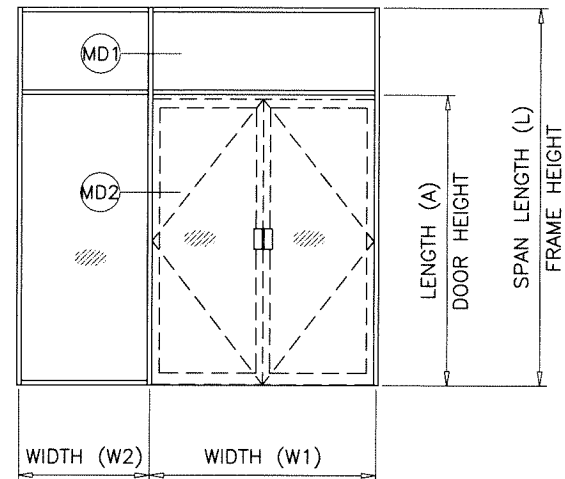
sheet **8** of **24**

| 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"        | 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"        |            | 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           |
| 96"                                     | 36"        |            | 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           |
| 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"        |            | 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"        |            |                 | 98.4            | 100.0           | 100.0           |
| 96"                                     | 36"        |            | 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"        |            |                 | 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"        |            | 156"            | 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"        |            | 156"            | 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"        |            | 168"            | 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"        |            | 168"            | 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           |

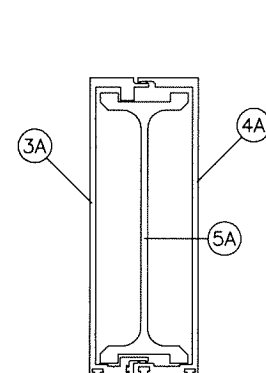
| 8-1/4" DOOR MULLION LOAD CAPACITY - PSF |            |            |                 |                 |                 |                 |
|-----------------------------------------|------------|------------|-----------------|-----------------|-----------------|-----------------|
| NOMINAL DIMS.                           |            |            |                 | 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"        |            | 180"            | 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"        |            | 180"            | 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"        |            | 192"            | 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"        |            | 192"            | 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"        |            | 204"            | 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"        |            | 204"            | 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"        |            | 216"            | 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"        |            | 216"            | 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"        |            | 228"            | 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"        |            | 228"            | 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"        |            | 240"            | 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.

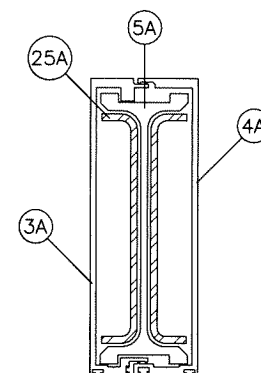


SEE SEPARATE APPROVAL OF L.M.I. SINGLE OR DOUBLE DOOR W/ SUBFRAME FOR DOOR RATING, ANCHORS & DETAILS



DOOR MULL 'MD3'

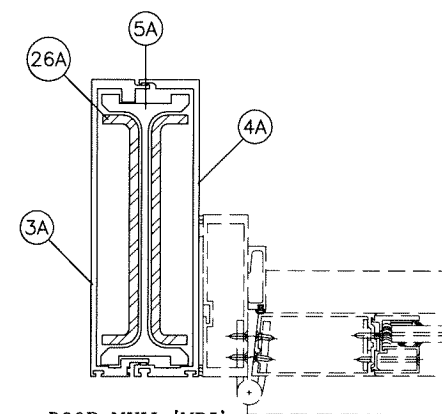
| MD3     | ALUM   |
|---------|--------|
| 1x IN^4 | 66.395 |
| Sx IN^3 | 14.622 |



DOOR MULL 'MD4'

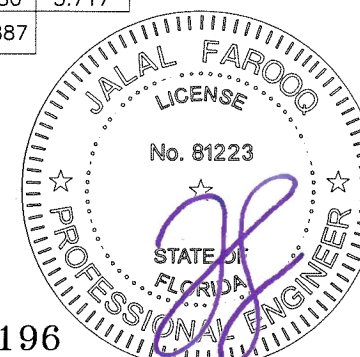
|                        | 1x IN^4 | Sx IN^3 |
|------------------------|---------|---------|
| ALUMINUM               | 66.395  | 14.622  |
| STEEL                  | 14.943  | 4.426   |
| TOTAL                  |         |         |
| 1x ALUM + 1x STL X 2.9 | 109.729 |         |

REINF. LENGTH = MULL LENGTH-6"



DOOR MULL 'MD5'

|                        | 1x IN^4 | Sx IN^3 |
|------------------------|---------|---------|
| ALUMINUM               | 66.395  | 14.622  |
| STEEL                  | 19.480  | 5.717   |
| TOTAL                  |         |         |
| 1x ALUM + 1x STL X 2.9 | 122.887 |         |



Sealed: 12/18/2023  
FL #16196

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

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

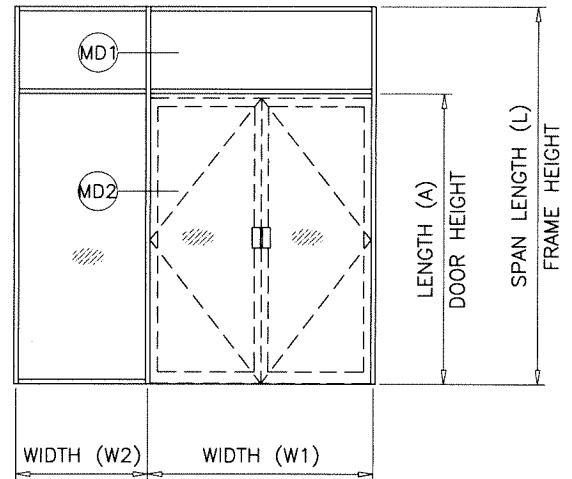
**Glass Tech Engineering, Inc.**  
8321 N.W. 70th Street  
Miami, FL. 33166  
Tel. (305) 594-4321 Fax. (305) 599-2730

| 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            |

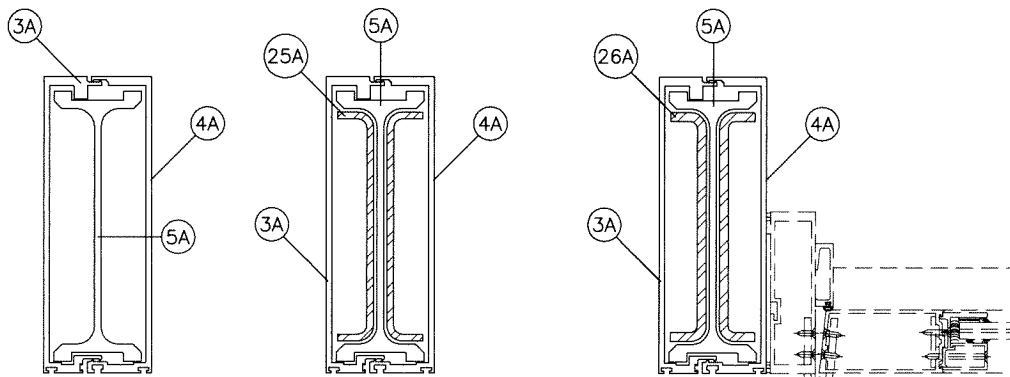
| 8-1/4" DOOR MULLION LOAD CAPACITY - PSF |            |            |                 |                 |                 |                 |
|-----------------------------------------|------------|------------|-----------------|-----------------|-----------------|-----------------|
| NOMINAL DIMS.                           |            |            |                 | 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            |
| 86-5/8"                                 | 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            |
| 96"                                     | 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



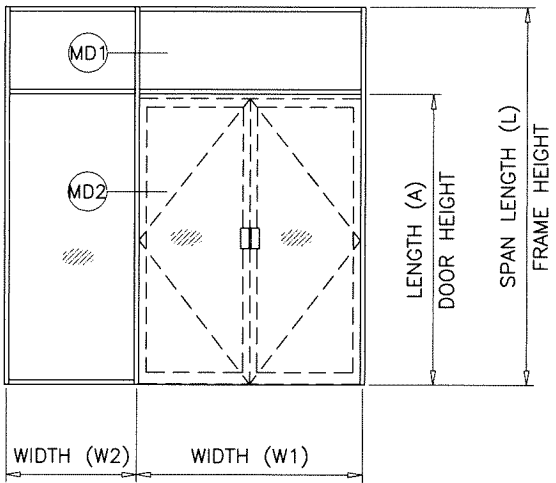
| DOOR MULL 'MD3' |        | DOOR MULL 'MD4'        |         | DOOR MULL 'MD5' |                        |         |        |
|-----------------|--------|------------------------|---------|-----------------|------------------------|---------|--------|
|                 |        |                        | 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            |

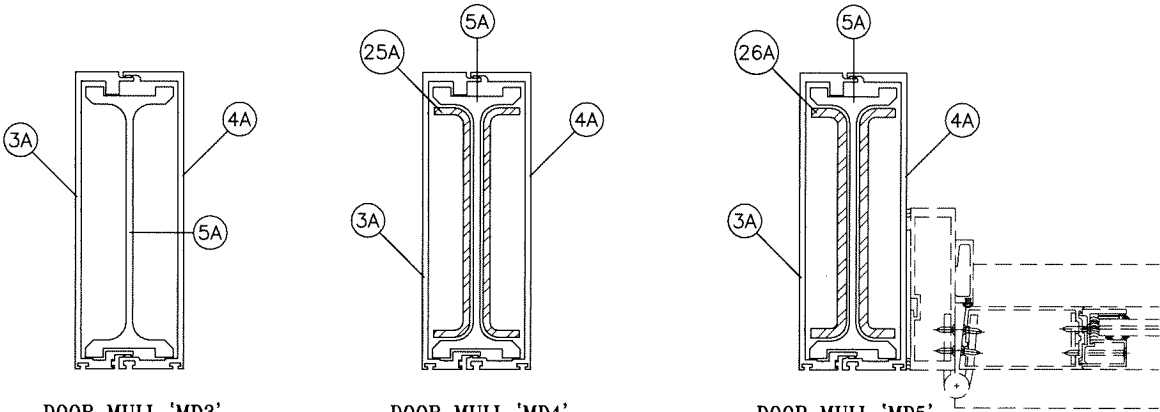
| 8-1/4" DOOR MULLION LOAD CAPACITY - PSF |            |            |                 |                 |                 |                 |
|-----------------------------------------|------------|------------|-----------------|-----------------|-----------------|-----------------|
| NOMINAL DIMS.                           |            |            |                 | 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

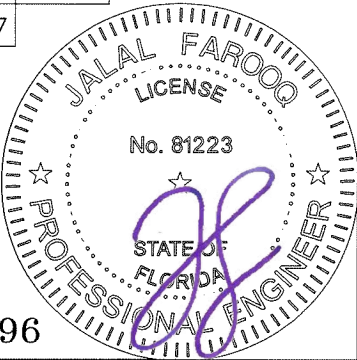


| MD3     | ALUM   |
|---------|--------|
| Ix IN^4 | 66.395 |
| Sx IN^3 | 14.622 |

|                        | 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 |         |

REINF. LENGTH = MULL LENGTH-6"

|                        | 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 |         |



Sealed: 12/18/2023  
FL #16196

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

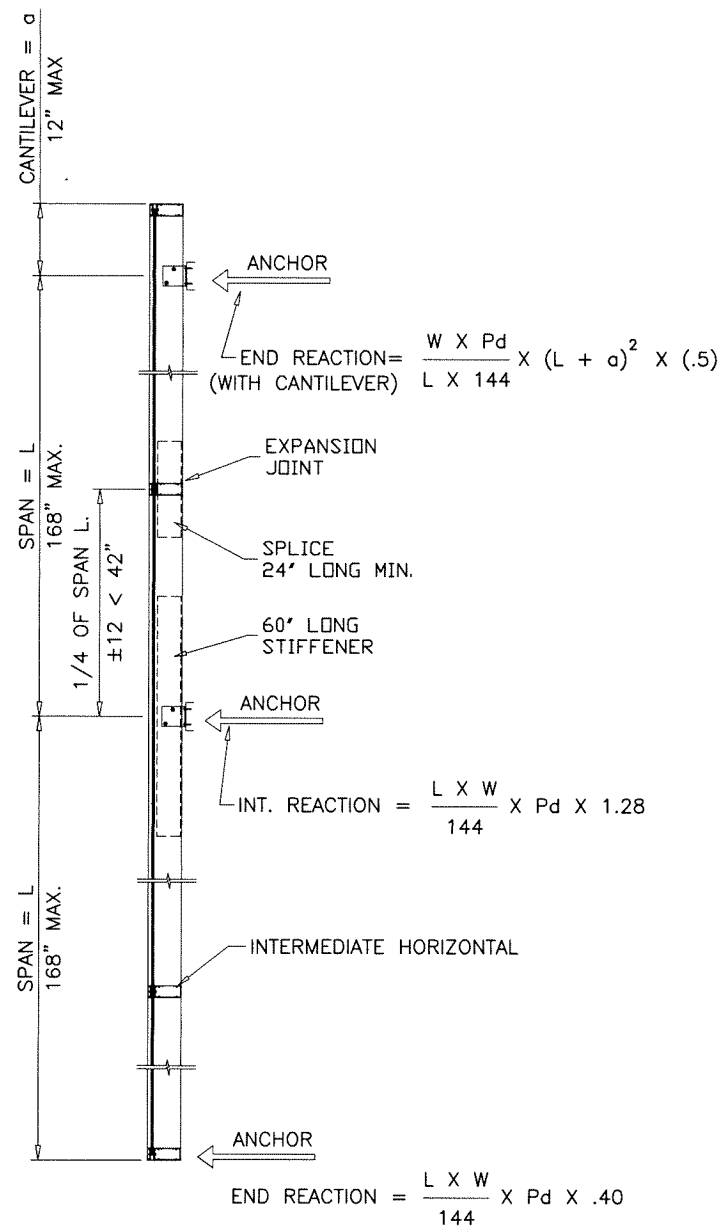
SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

**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

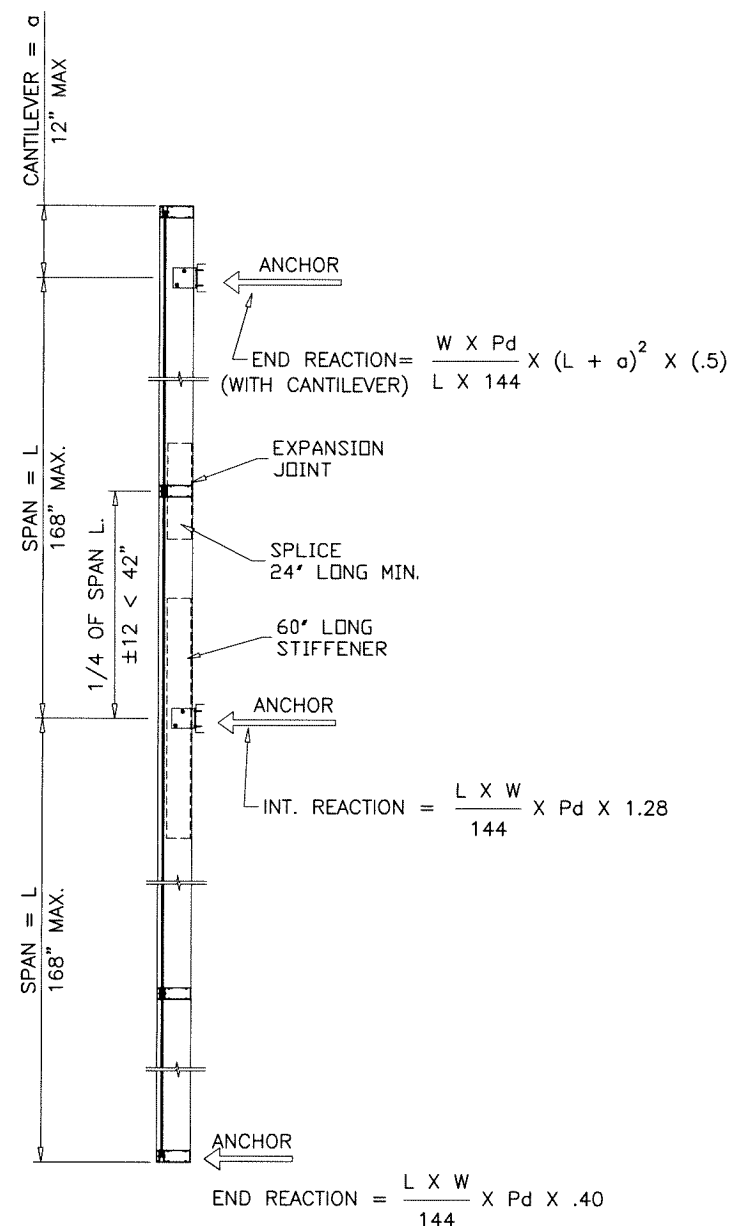
date: 08-24-17  
scale: -  
dr. by: TARIQ  
chk. by:

drawing no.  
**W17-76**  
sheet **8.4** of **24**



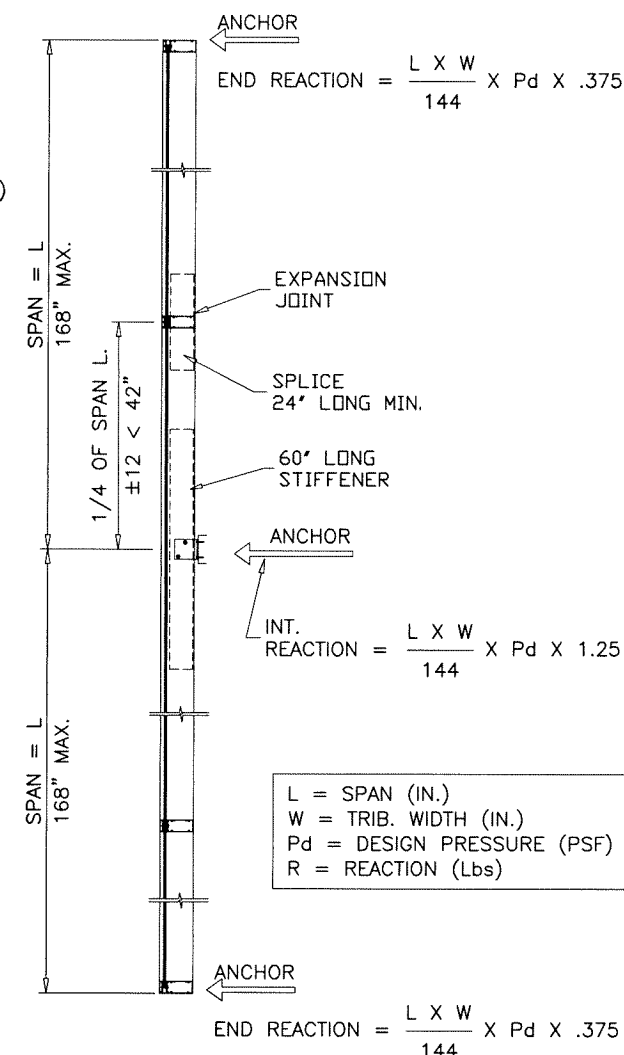
### MULTIPLE SPANS

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.



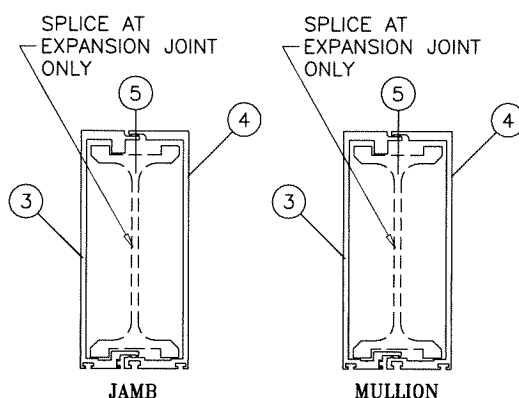
### TWO SPANS

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.

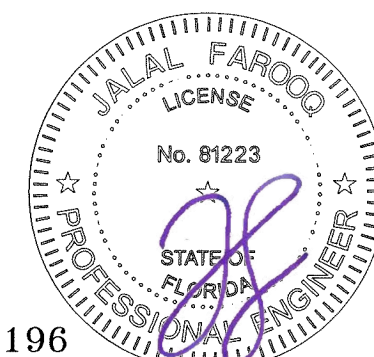
UNEQUAL SPANS TO BE CHECKED ON JOB TO JOB BASIS  
UNDER SEPARATE APPROVAL TO BE REVIEWED BY BUILDING OFFICIAL

END REACTIONS MAY CHANGE WITH LOCATION OF  
EXPANSION JOINT AND LENGTH OF CANTILEVER  
WORST CONDITION SHOWN.



### 6-5/8" MULLION SYSTEM

Sealed: 12/18/2023  
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)  
COMP-ANL\W17-76GTE

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

**Glass Tech Engineering, Inc.**  
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Miami, FL. 33166  
Tel. (305) 594-4321 Fax. (305) 599-2730

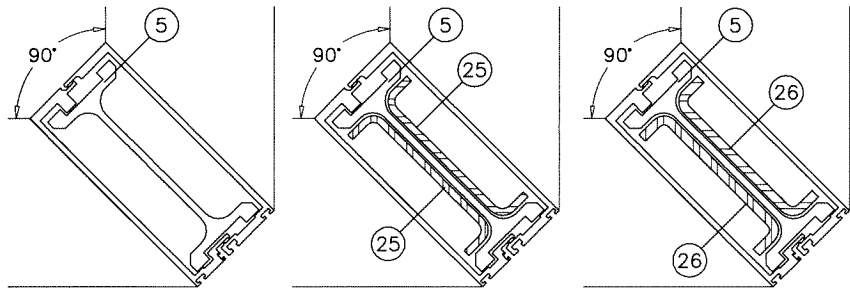
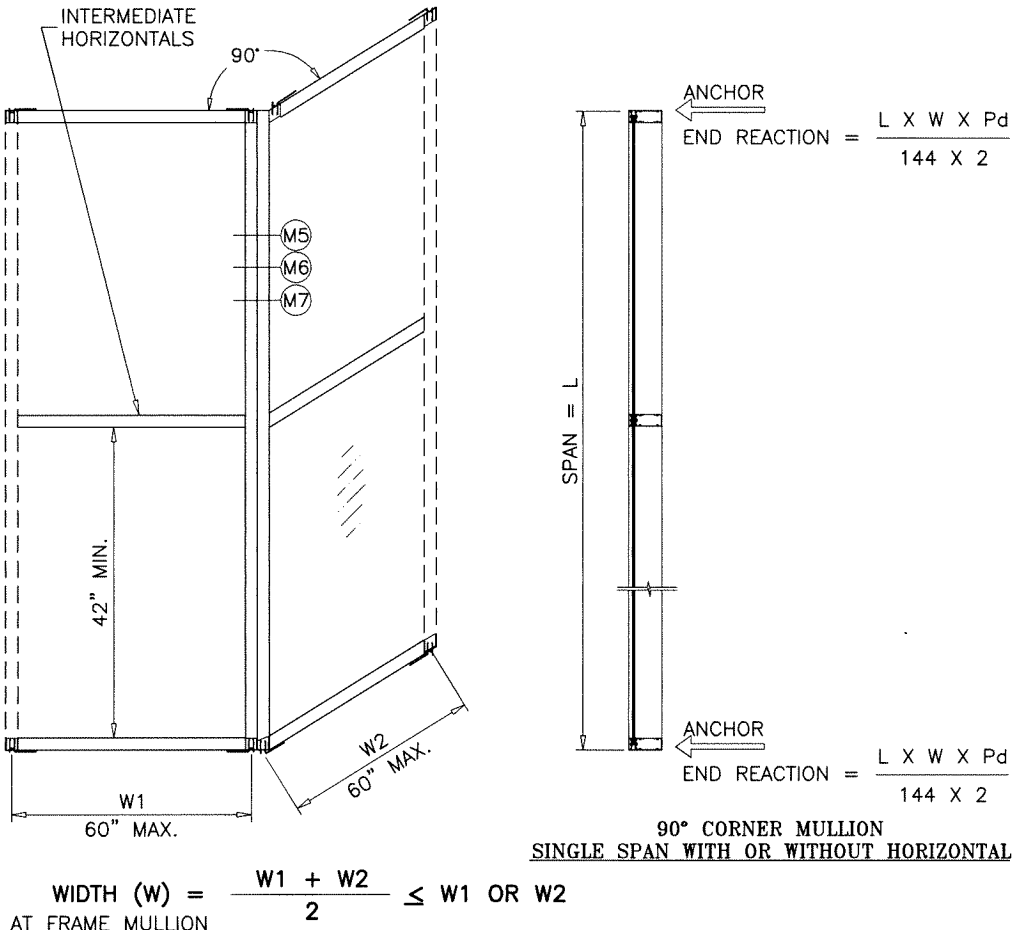
| revisions:  |          | no date by description |   |
|-------------|----------|------------------------|---|
| date:       | 08-24-17 | scale:                 | - |
| dr. by:     | TARIQ    | chk. by:               |   |
| drawing no. | W17-76   |                        |   |
| sheet       | 9 of 24  |                        |   |



| CORNER MULLION LOAD CAPACITY - PSF<br>SINGLE SPANS WITH OR W/O HORIZONTAL |          |                      |                      |                      |
|---------------------------------------------------------------------------|----------|----------------------|----------------------|----------------------|
| NOMINAL DIMS.                                                             |          | MULLION<br>'CM1'     | MULLION<br>'CM2'     | MULLION<br>'CM3'     |
| WIDTH (W)                                                                 | SPAN = L | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>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 <sup>4</sup> | 18.8266 |
| Sx IN <sup>3</sup> | 5.7635  |
| Iy IN <sup>4</sup> | 17.8252 |
| Sy IN <sup>3</sup> | 5.419   |

MULLION 'CM2'

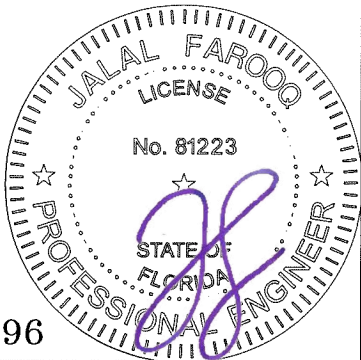
| M6                 | ALUM    | STEEL  |
|--------------------|---------|--------|
| Ix IN <sup>4</sup> | 18.8266 | 3.1668 |
| Sx IN <sup>3</sup> | 5.7635  | 1.4222 |
| Iy IN <sup>4</sup> | 17.8252 | 3.1668 |
| Sy IN <sup>3</sup> | 5.419   | 1.4222 |

MULLION 'CM3'

| M7                 | ALUM    | STEEL  |
|--------------------|---------|--------|
| Ix IN <sup>4</sup> | 18.8266 | 3.8646 |
| Sx IN <sup>3</sup> | 5.7635  | 1.7509 |
| Iy IN <sup>4</sup> | 17.8252 | 3.8646 |
| Sy IN <sup>3</sup> | 5.419   | 1.7509 |

REINF. LENGTH = MULL LENGTH-6"

Sealed: 12/18/2023  
FL #16196



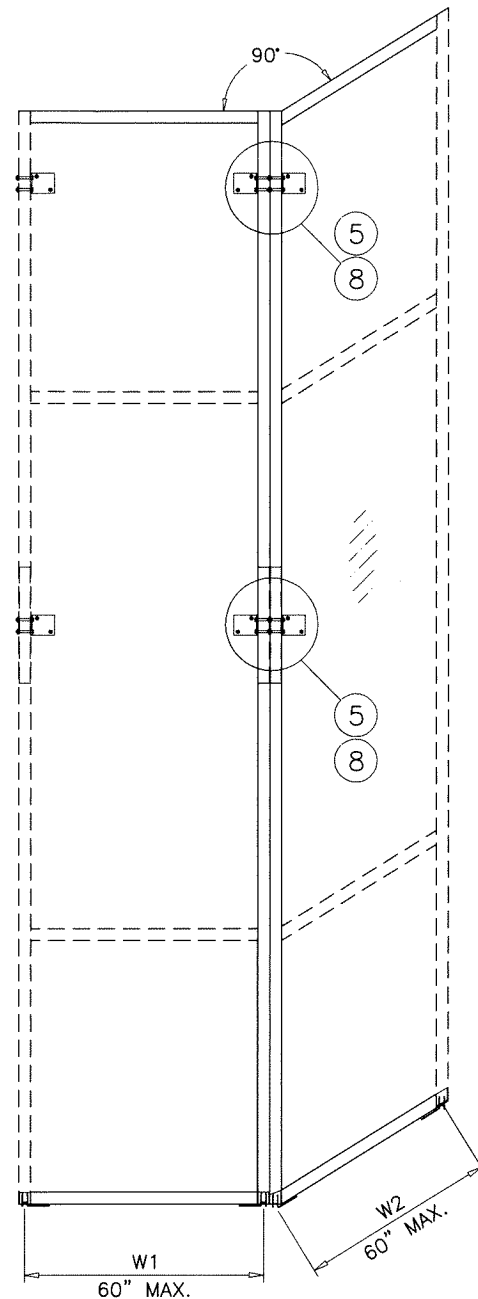
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
C.O.A.N. 3538

SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)  
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revisions:  
no. date by description

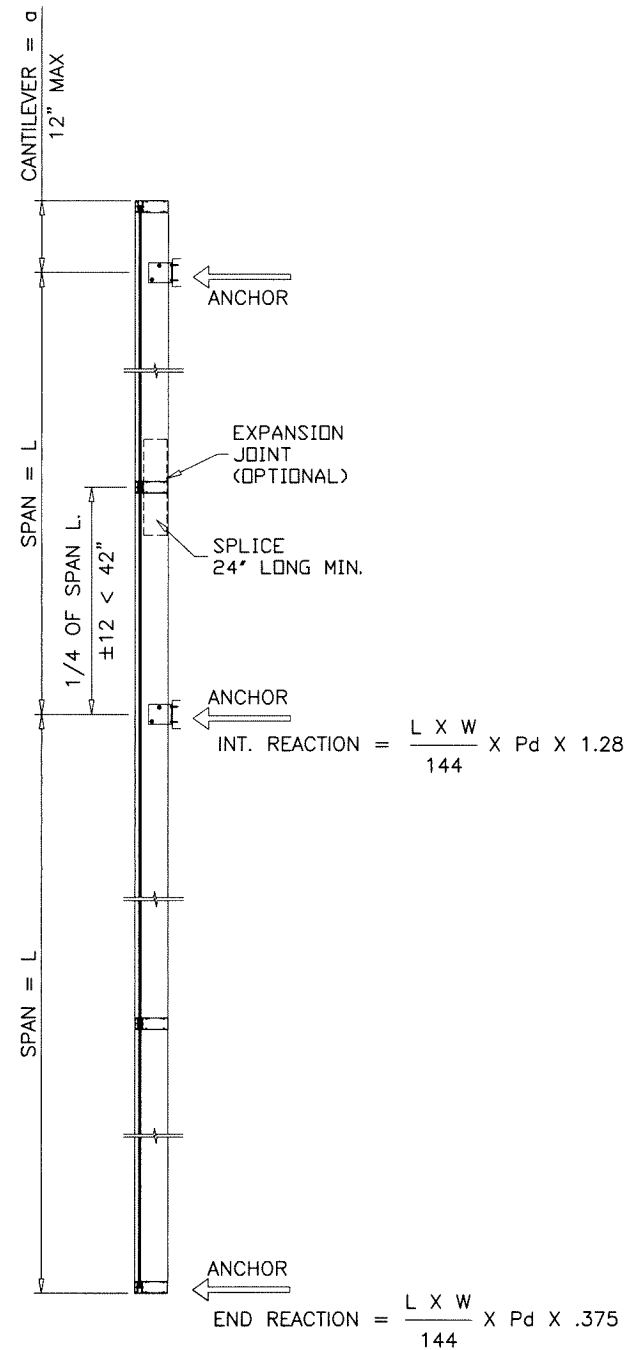
date: 08-24-17  
scale: -  
dr. by: TARIQ  
chk. by:

drawing no.  
**W17-76**  
sheet 10 of 24



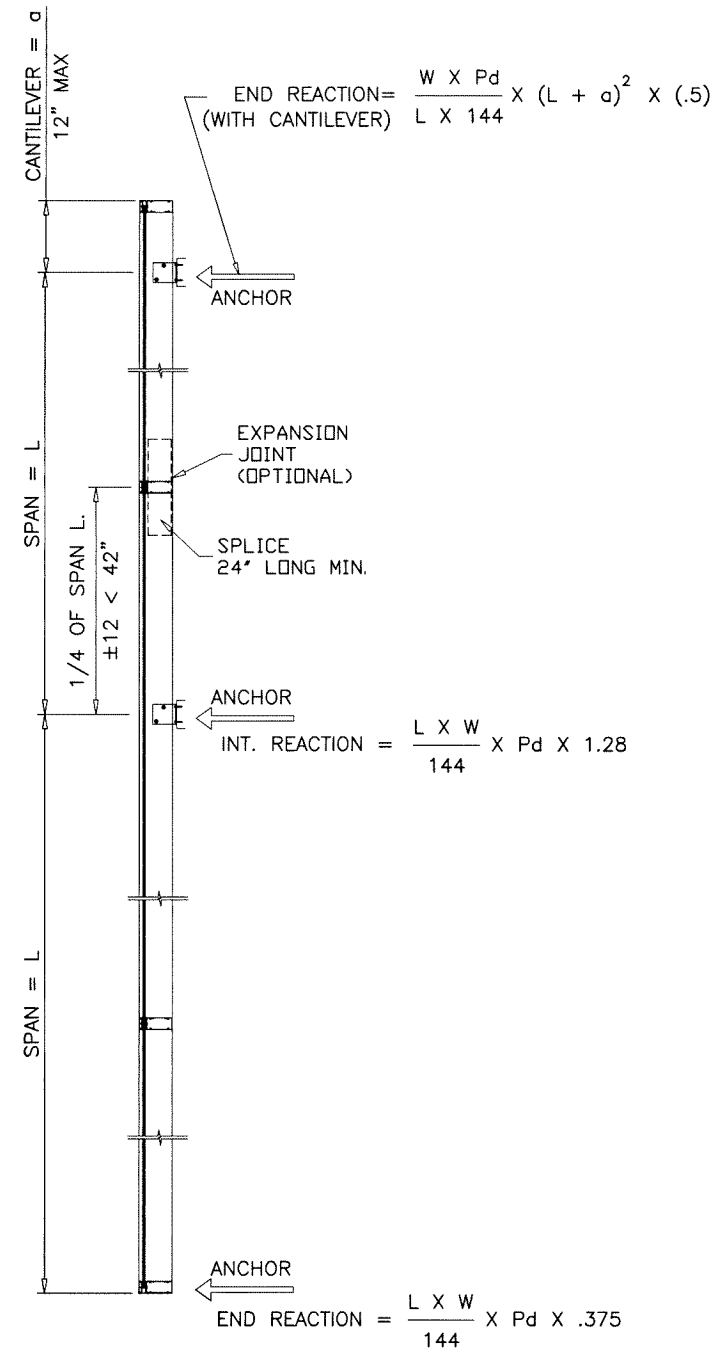
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

AT FRAME MULLION



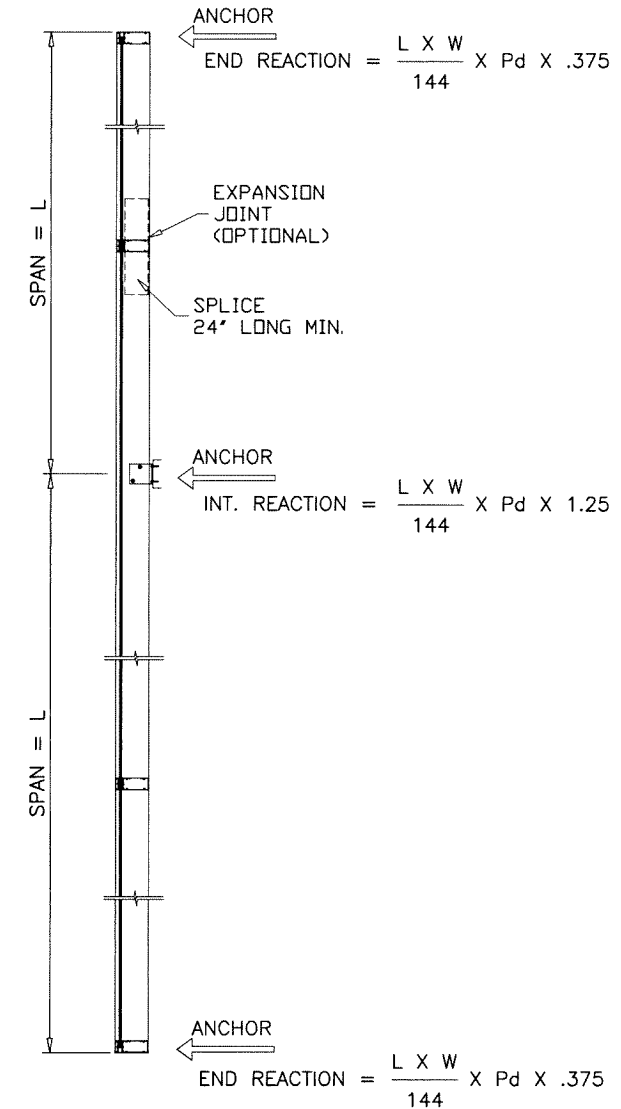
### MULTIPLE SPANS

MULTIPLE SPANS WITH OR WITHOUT CANTILEVER  
USE TABLE ON SHEET 10



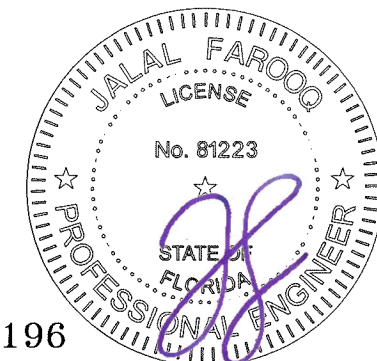
### TWO SPANS W/ CANTILEVER

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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COMP-ANL\W17-76GTE

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| revisions: |          | no. date |  | by description |  |
|------------|----------|----------|--|----------------|--|
| 1          | 08-24-17 |          |  |                |  |
| 2          |          |          |  |                |  |
| 3          |          |          |  |                |  |
| 4          |          |          |  |                |  |
| 5          |          |          |  |                |  |
| 6          |          |          |  |                |  |
| 7          |          |          |  |                |  |
| 8          |          |          |  |                |  |
| 9          |          |          |  |                |  |
| 10         |          |          |  |                |  |
| 11         |          |          |  |                |  |
| 12         |          |          |  |                |  |
| 13         |          |          |  |                |  |
| 14         |          |          |  |                |  |
| 15         |          |          |  |                |  |
| 16         |          |          |  |                |  |
| 17         |          |          |  |                |  |
| 18         |          |          |  |                |  |
| 19         |          |          |  |                |  |
| 20         |          |          |  |                |  |
| 21         |          |          |  |                |  |
| 22         |          |          |  |                |  |
| 23         |          |          |  |                |  |
| 24         |          |          |  |                |  |
| 25         |          |          |  |                |  |
| 26         |          |          |  |                |  |
| 27         |          |          |  |                |  |
| 28         |          |          |  |                |  |
| 29         |          |          |  |                |  |
| 30         |          |          |  |                |  |
| 31         |          |          |  |                |  |
| 32         |          |          |  |                |  |
| 33         |          |          |  |                |  |
| 34         |          |          |  |                |  |
| 35         |          |          |  |                |  |
| 36         |          |          |  |                |  |
| 37         |          |          |  |                |  |
| 38         |          |          |  |                |  |
| 39         |          |          |  |                |  |
| 40         |          |          |  |                |  |
| 41         |          |          |  |                |  |
| 42         |          |          |  |                |  |
| 43         |          |          |  |                |  |
| 44         |          |          |  |                |  |
| 45         |          |          |  |                |  |
| 46         |          |          |  |                |  |
| 47         |          |          |  |                |  |
| 48         |          |          |  |                |  |
| 49         |          |          |  |                |  |
| 50         |          |          |  |                |  |
| 51         |          |          |  |                |  |
| 52         |          |          |  |                |  |
| 53         |          |          |  |                |  |
| 54         |          |          |  |                |  |
| 55         |          |          |  |                |  |
| 56         |          |          |  |                |  |
| 57         |          |          |  |                |  |
| 58         |          |          |  |                |  |
| 59         |          |          |  |                |  |
| 60         |          |          |  |                |  |
| 61         |          |          |  |                |  |
| 62         |          |          |  |                |  |
| 63         |          |          |  |                |  |
| 64         |          |          |  |                |  |
| 65         |          |          |  |                |  |
| 66         |          |          |  |                |  |
| 67         |          |          |  |                |  |
| 68         |          |          |  |                |  |
| 69         |          |          |  |                |  |
| 70         |          |          |  |                |  |
| 71         |          |          |  |                |  |
| 72         |          |          |  |                |  |
| 73         |          |          |  |                |  |
| 74         |          |          |  |                |  |
| 75         |          |          |  |                |  |
| 76         |          |          |  |                |  |
| 77         |          |          |  |                |  |
| 78         |          |          |  |                |  |
| 79         |          |          |  |                |  |
| 80         |          |          |  |                |  |
| 81         |          |          |  |                |  |
| 82         |          |          |  |                |  |
| 83         |          |          |  |                |  |
| 84         |          |          |  |                |  |
| 85         |          |          |  |                |  |
| 86         |          |          |  |                |  |
| 87         |          |          |  |                |  |
| 88         |          |          |  |                |  |
| 89         |          |          |  |                |  |
| 90         |          |          |  |                |  |
| 91         |          |          |  |                |  |
| 92         |          |          |  |                |  |
| 93         |          |          |  |                |  |
| 94         |          |          |  |                |  |
| 95         |          |          |  |                |  |
| 96         |          |          |  |                |  |
| 97         |          |          |  |                |  |
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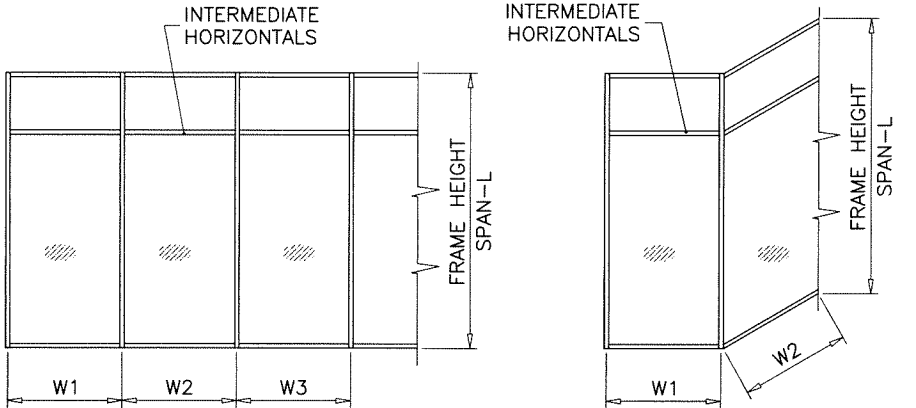
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dr. by: TARIQ  
chk. by:  
drawing no.  
**W17-76**  
sheet 11 of 24

| ANCHOR LOAD CAPACITY – PSF<br>EXT.(+) & INT.(–) |                     |              |       |       |       |
|-------------------------------------------------|---------------------|--------------|-------|-------|-------|
| NOMINAL DIMS.                                   |                     | ANCHOR TYPES |       |       |       |
| WIDTH<br>(W)                                    | FRAME HT.<br>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<br>EXT.(+) & INT.(–) |                     |              |       |       |       |
|-------------------------------------------------|---------------------|--------------|-------|-------|-------|
| NOMINAL DIMS.                                   |                     | ANCHOR TYPES |       |       |       |
| WIDTH<br>(W)                                    | FRAME HT.<br>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<br>EXT.(+) & INT.(–) |                     |              |       |       |       |
|-------------------------------------------------|---------------------|--------------|-------|-------|-------|
| NOMINAL DIMS.                                   |                     | ANCHOR TYPES |       |       |       |
| WIDTH<br>(W)                                    | FRAME HT.<br>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

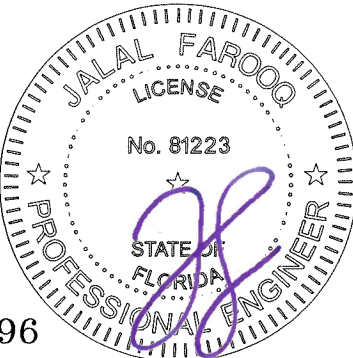
ANCHOR 'A' (1 PER LEG)  
ANCHOR 'AA' (2 PER LEG)

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



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FL #16196

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MIAMI, FLORIDA 33173  
TEL. (305) 264-8100  
FAX. (305) 262-6978  
COMP-ANL\W17-76GTE

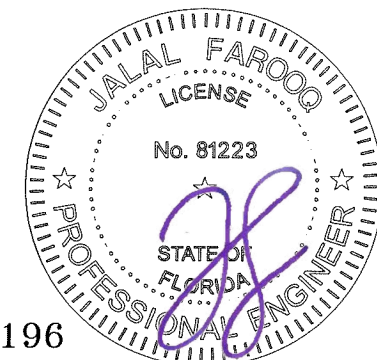
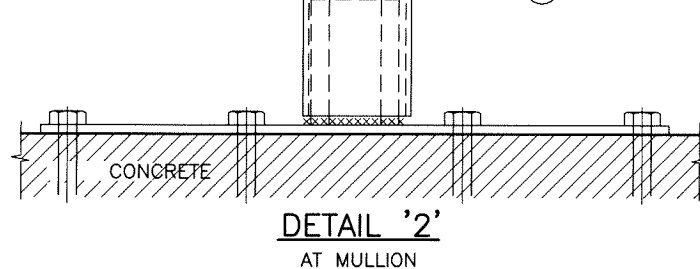
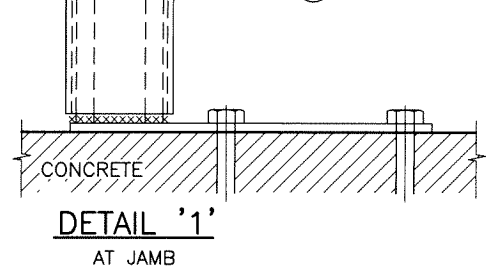
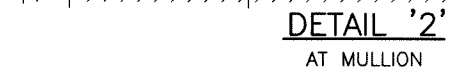
SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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

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no date by description

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dr. by: TARIQ  
chk. by:

drawing no.  
**W17-76**  
sheet 12 of 24



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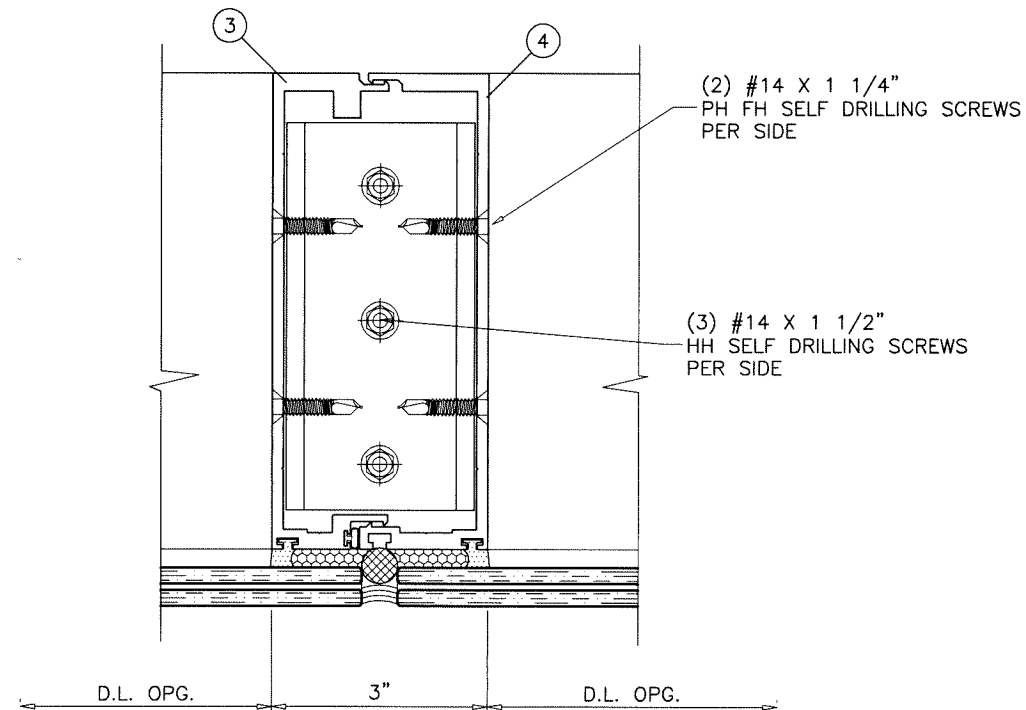
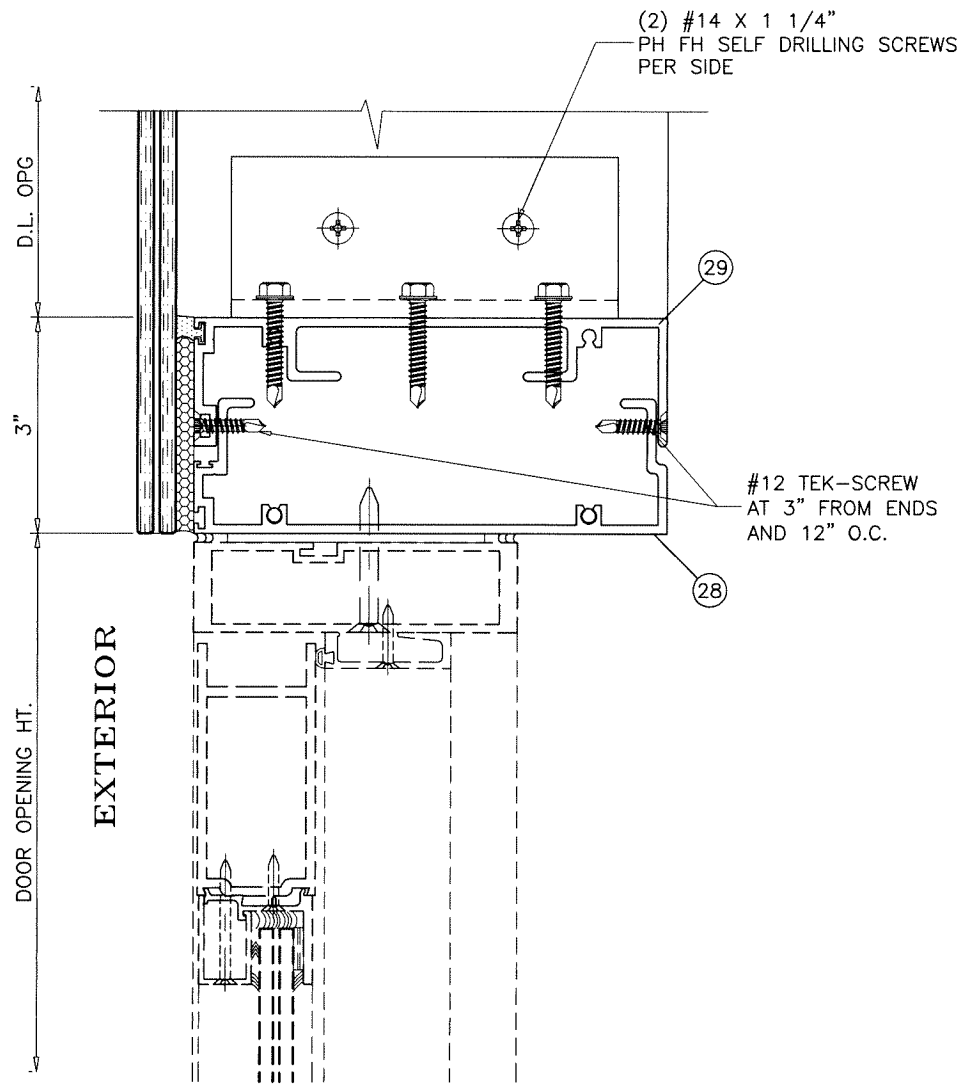
Glass Tech Engineering, Inc.  
8321 NW 70th Street

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Miami, FL 33166

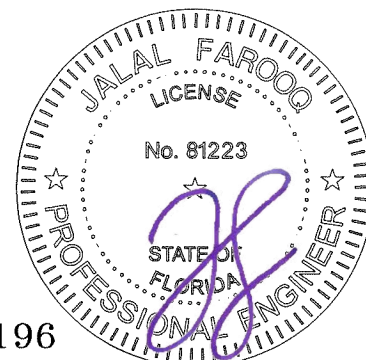
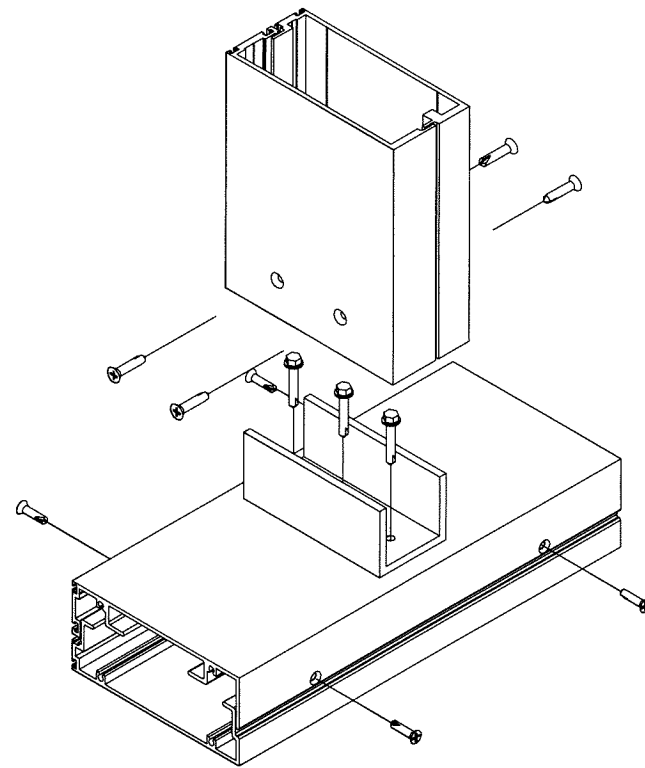
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| sheet 12.1 of 24   |    |            |                |



**DETAIL '4'**  
AT MULLION ABOVE DOOR



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FL #16196

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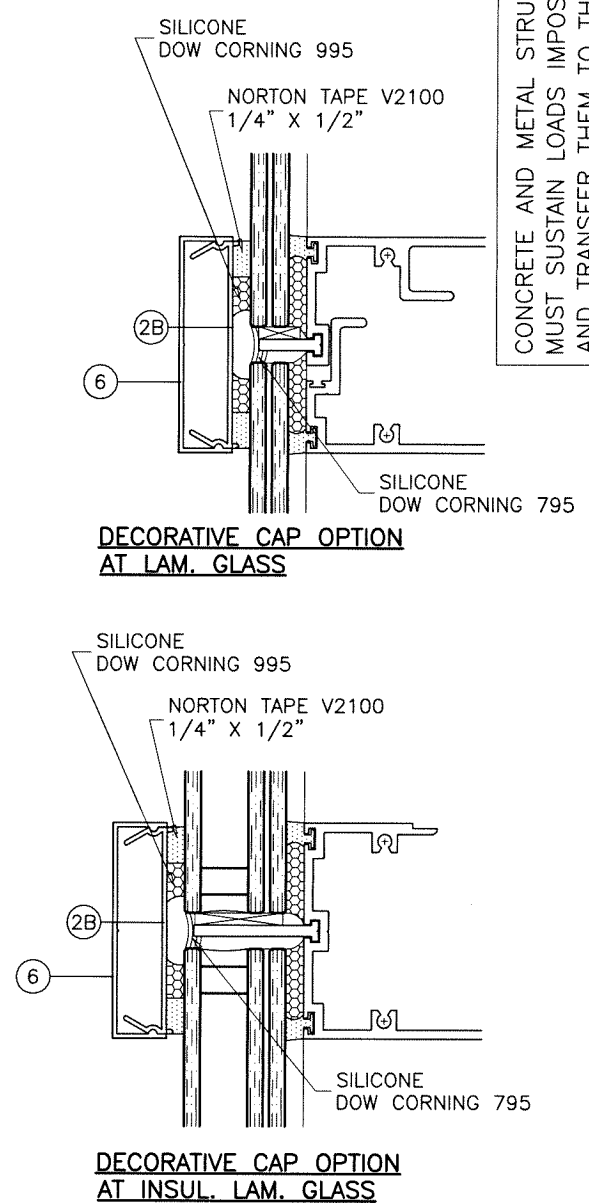
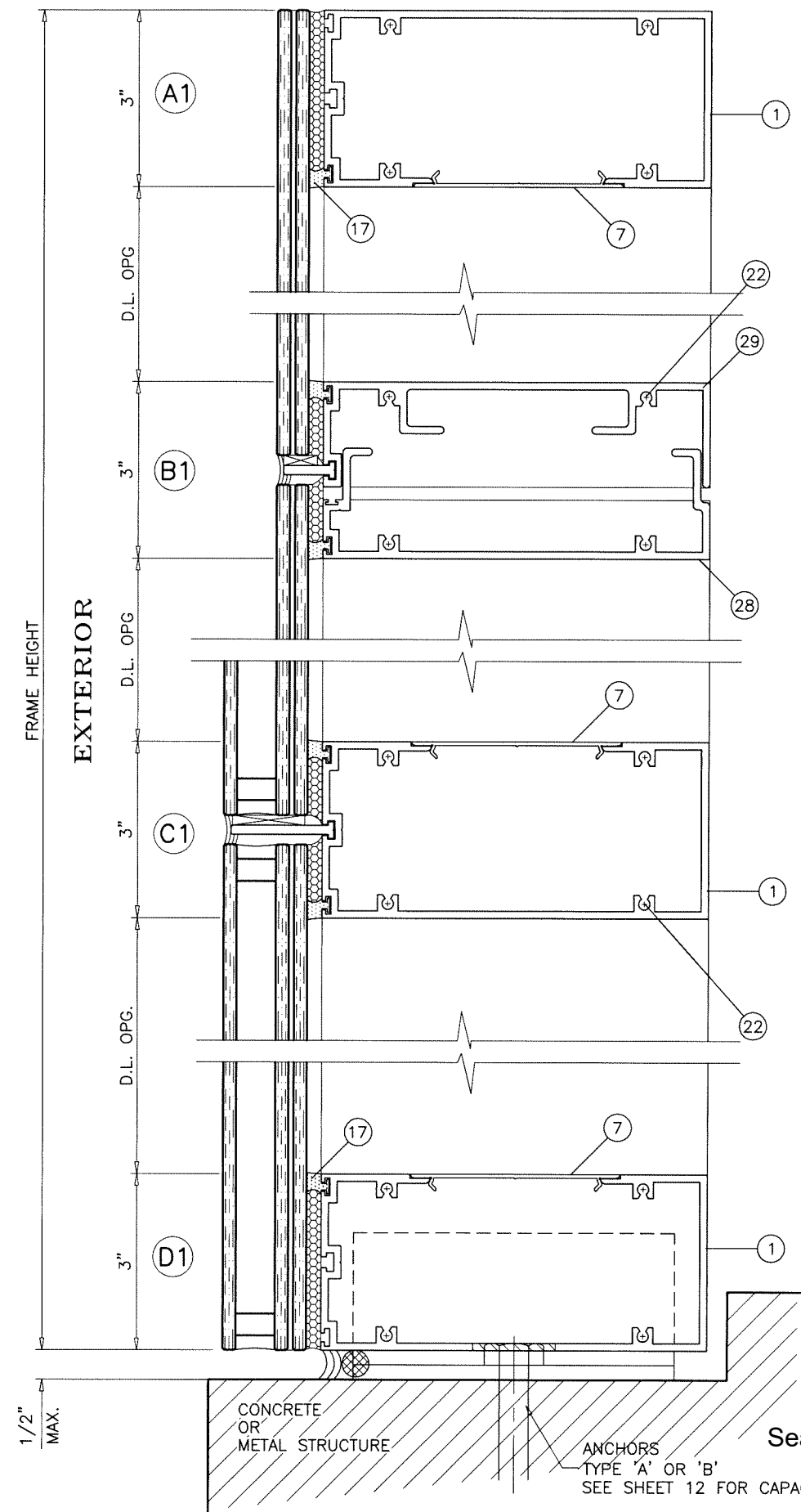
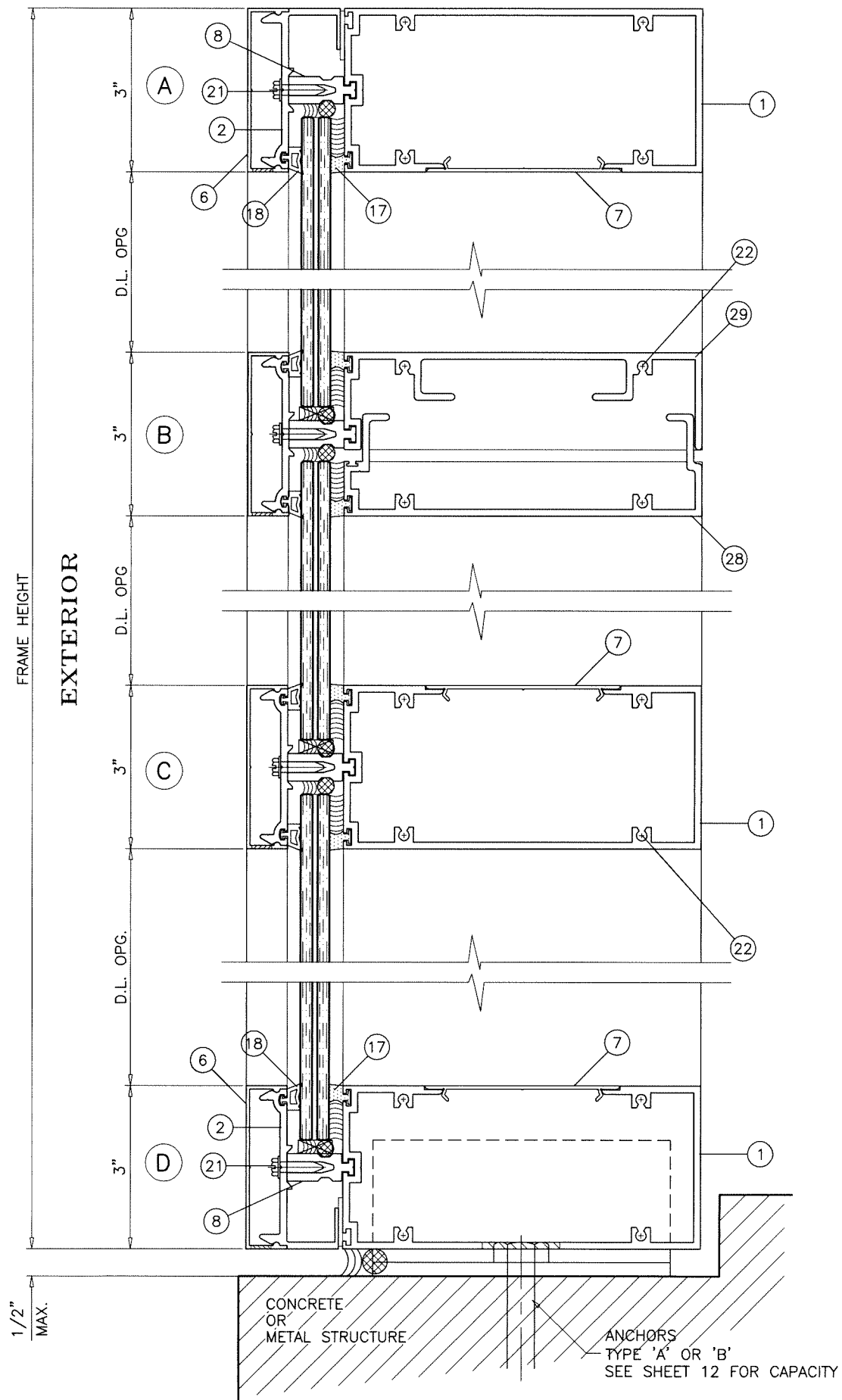
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dr. by: TARIQ  
chk. by:  
drawing no.  
**W17-76**  
sheet 12.2 of 24

COMP-ANL\W17-76GTE



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

FL #16196

JALAL FAROOQ LICENSE No. 81223

STATE OF FLORIDA PROFESSIONAL ENGINEER

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**af c**

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

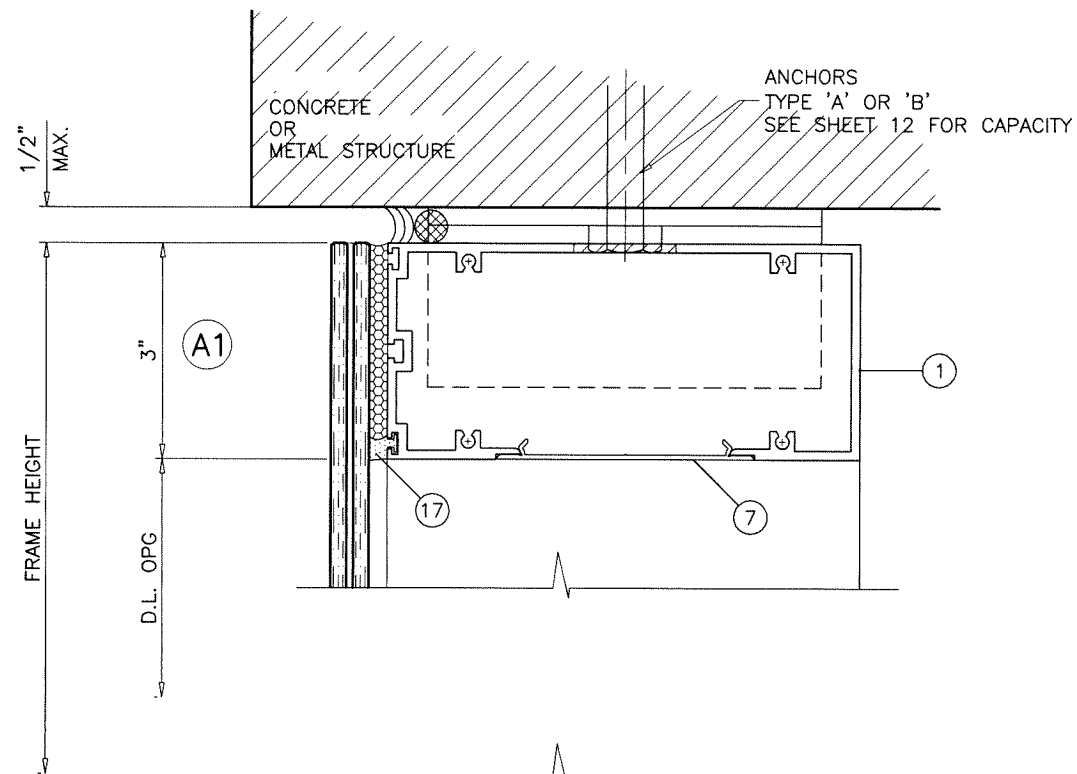
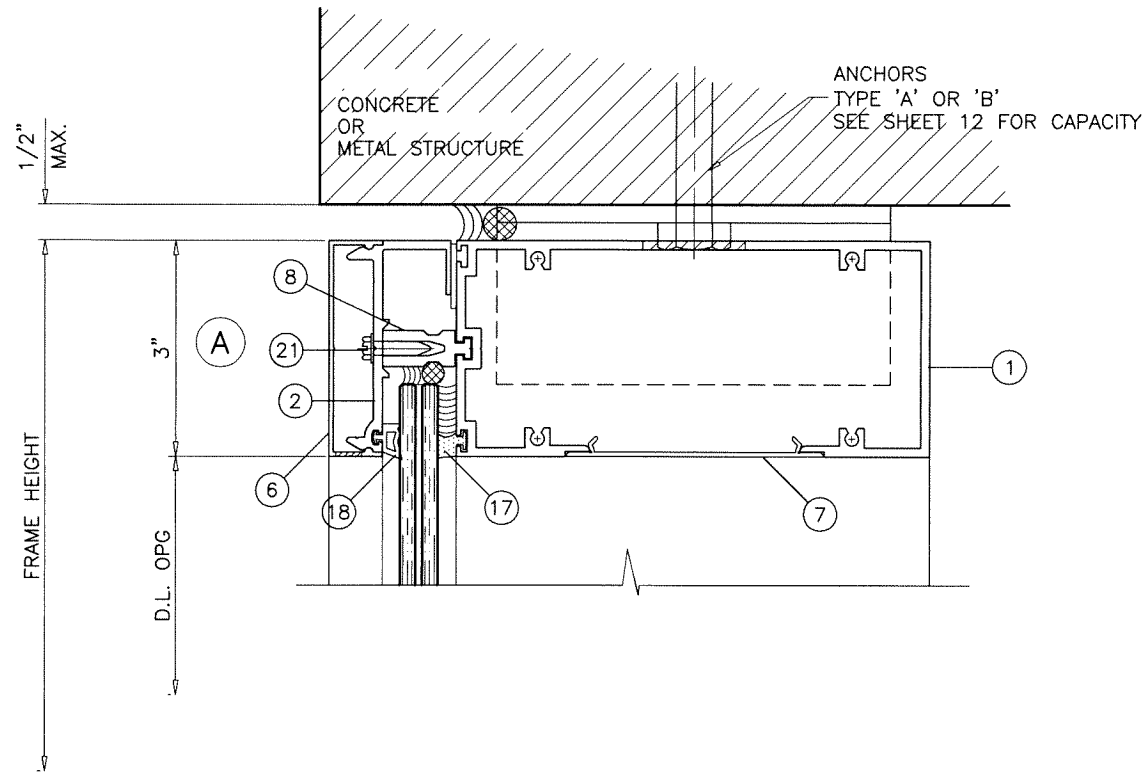
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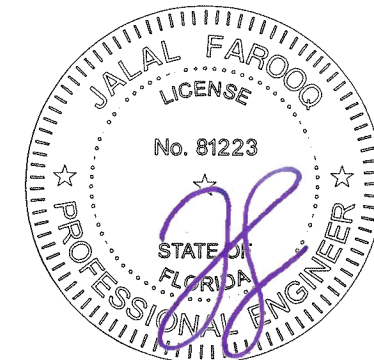
sheet 13 of 24



SPANDREL INFILL DETAIL

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

FL #16196



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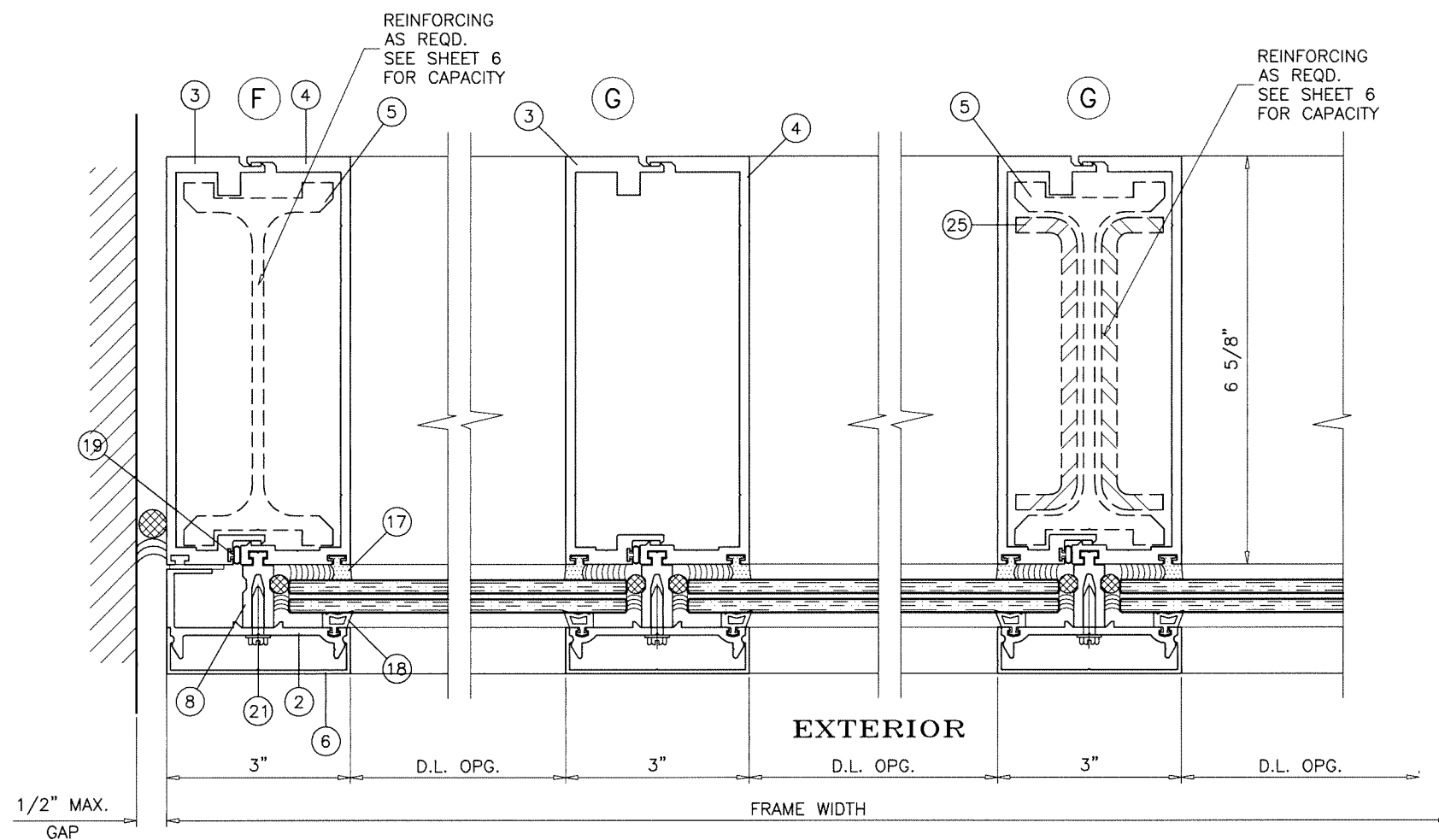
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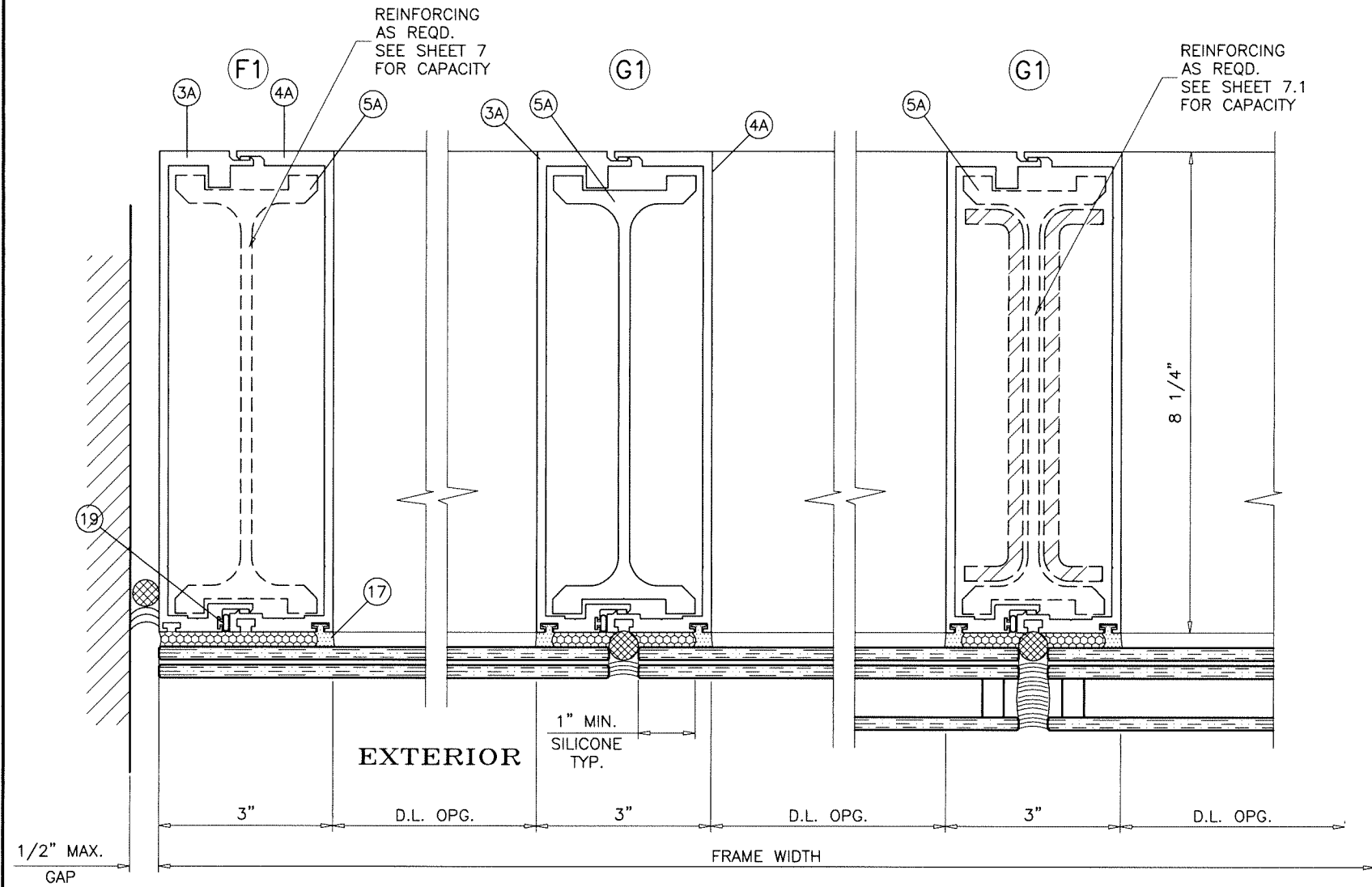
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sheet 13.1 of 24



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COMP-ANL W17-76GTE

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

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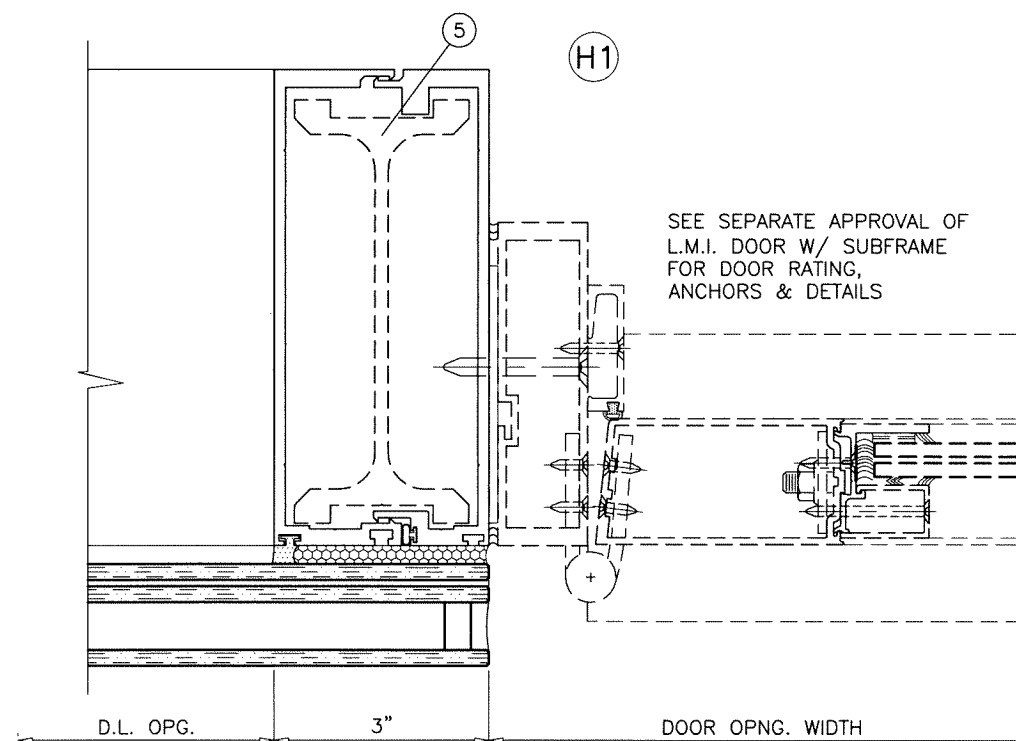
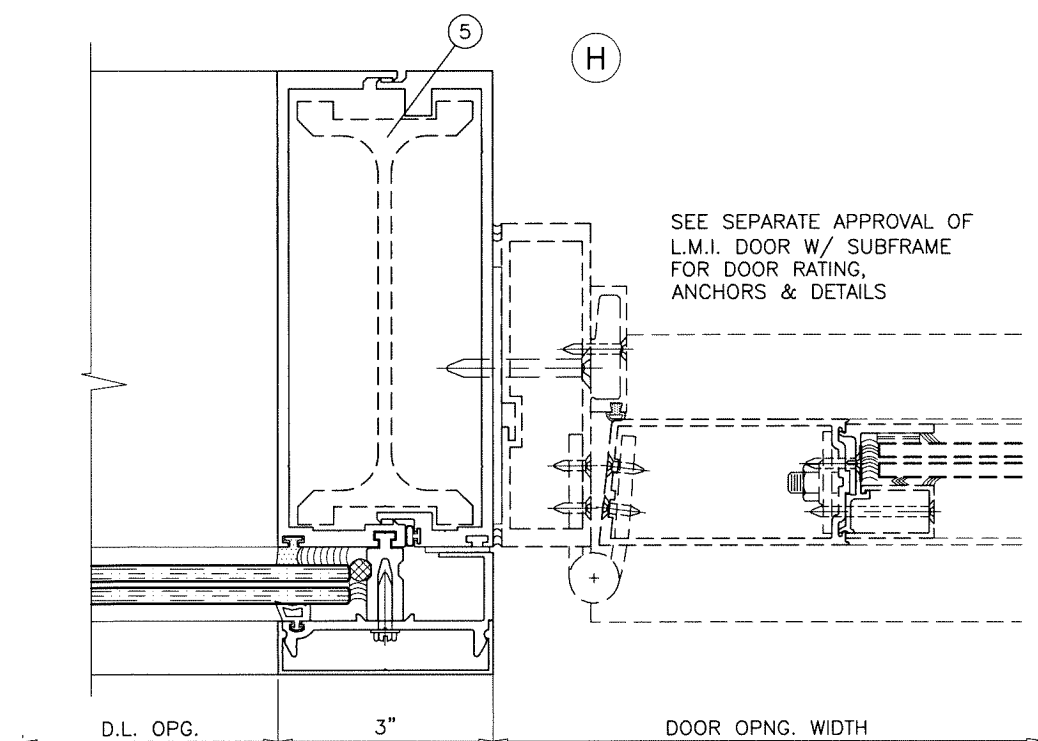
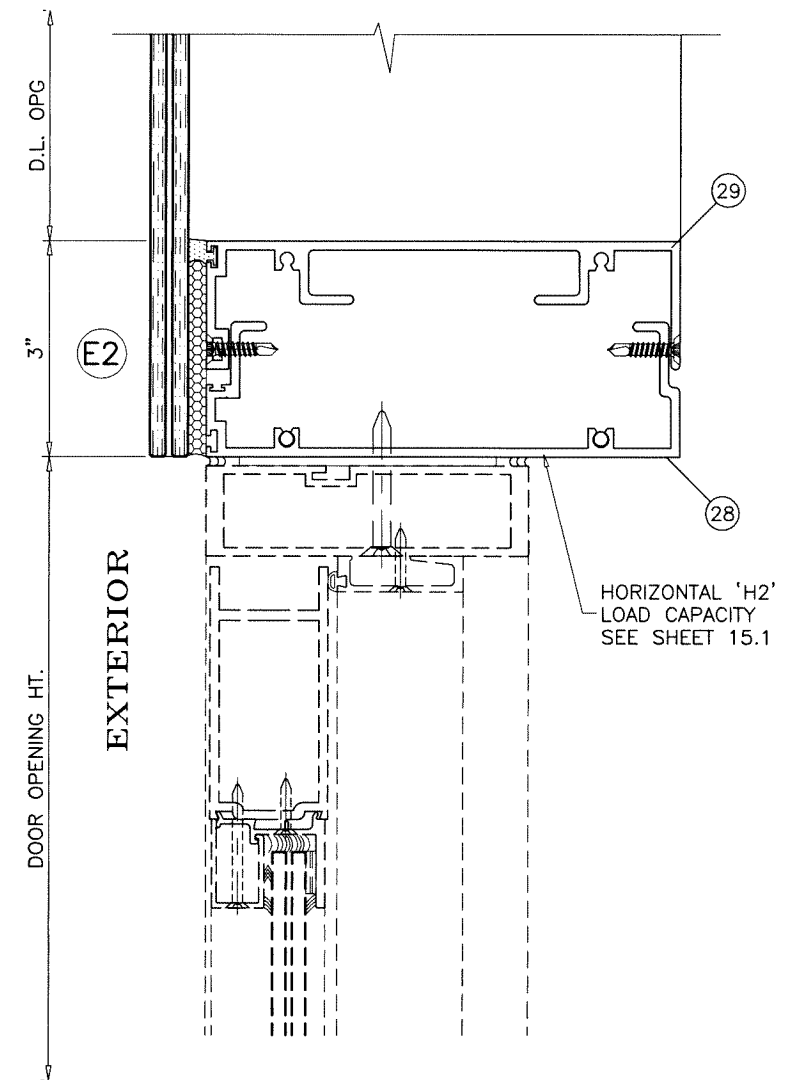
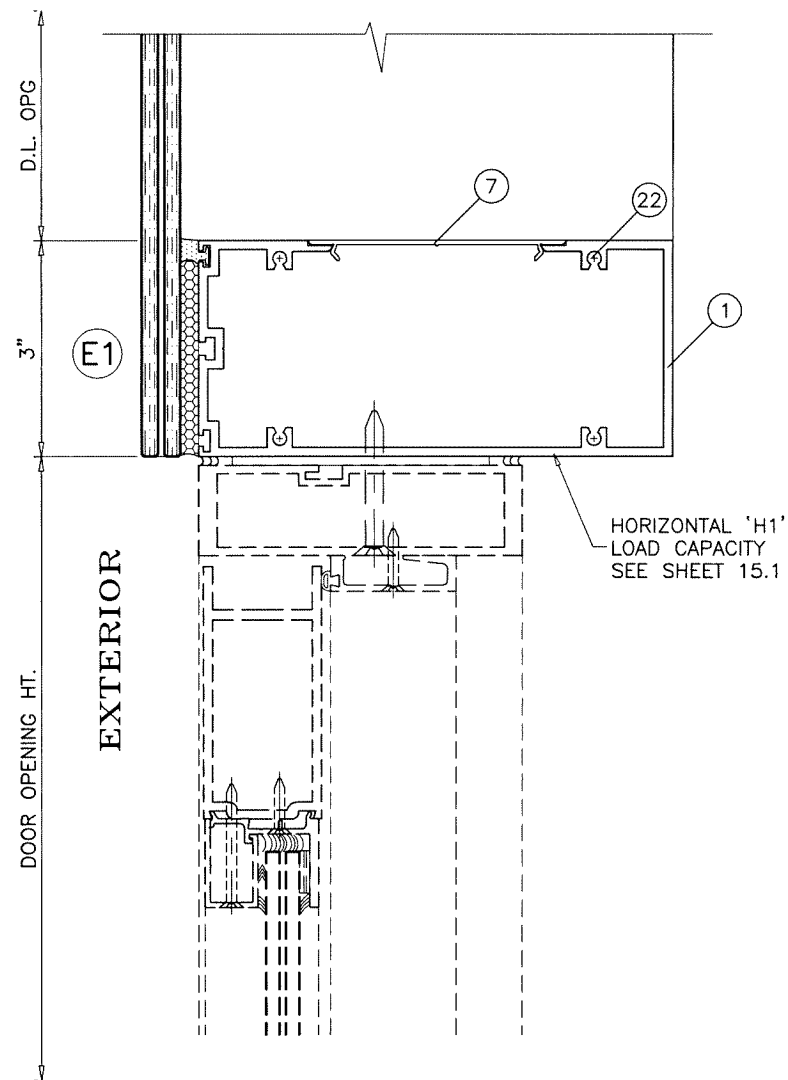
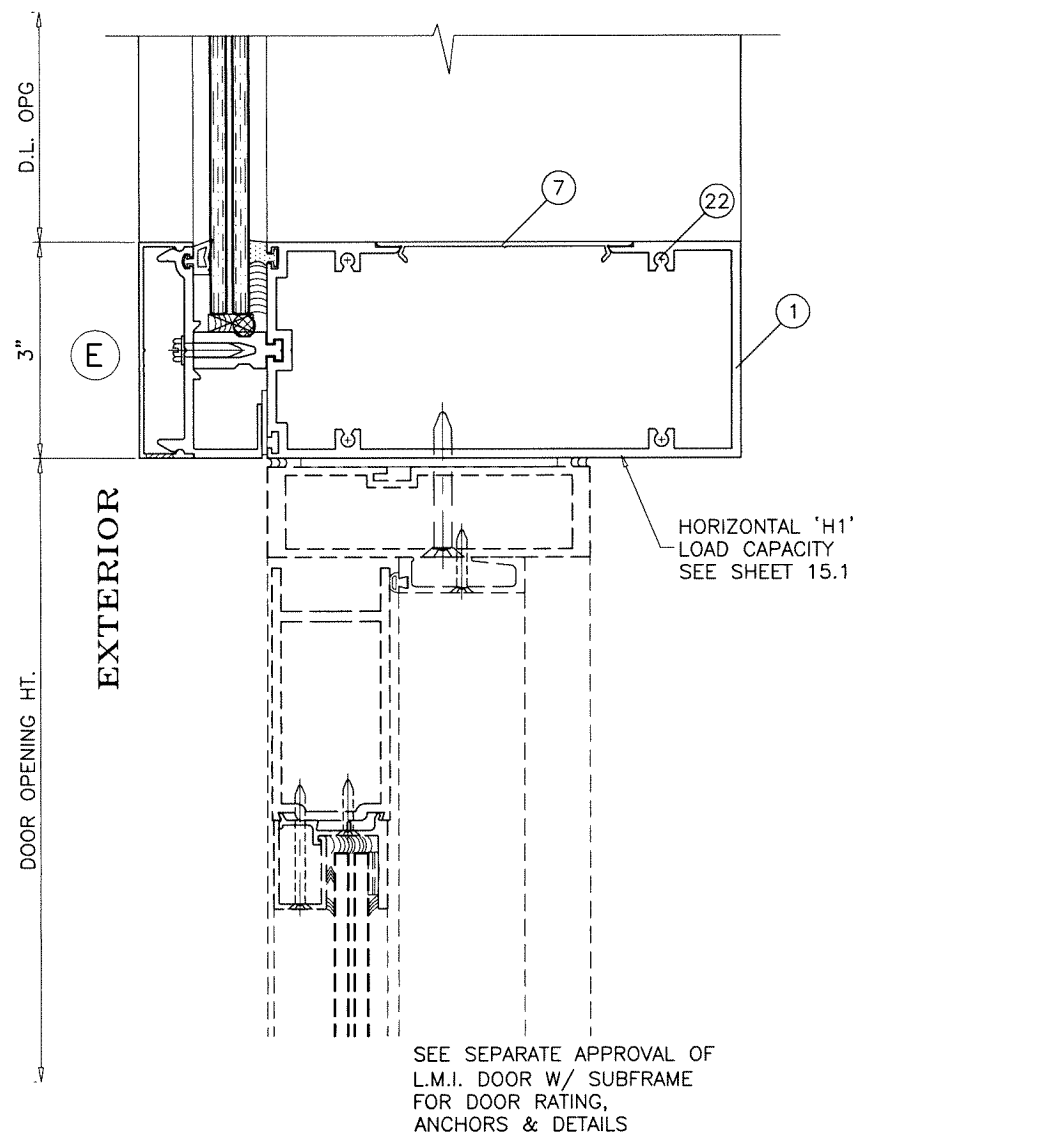
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dr. by: TARIQ

chk. by:

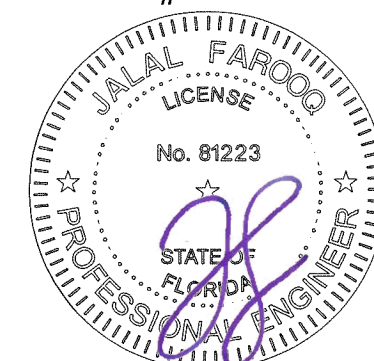
drawing no.  
**W17-76**

sheet **14.1** of **24**



Sealed: 12/18/2023

FL #16196



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

**af c**

COMP-ANL\W17-76GTE

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

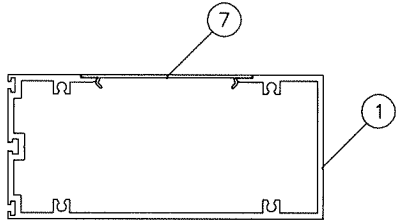
drawing no.  
**W17-76**  
sheet 15 of 24

| HORIZONTAL LOAD CAPACITY – PSF |            |            |                 |                 |
|--------------------------------|------------|------------|-----------------|-----------------|
| NOMINAL DIMS.                  |            |            |                 | HORIZ. 'H1'     |
| WIDTH (W)                      | LENGTH (B) | LENGTH (A) | SPAN LENGTH (L) | EXT.(+) INT.(–) |
| 74–5/8"                        | 36"        |            | 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. 'H1'     |
| WIDTH (W)                      | LENGTH (B) | LENGTH (A) | SPAN LENGTH (L) | EXT.(+) INT.(–) |
| 74–5/8"                        | 24"        |            | 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            |

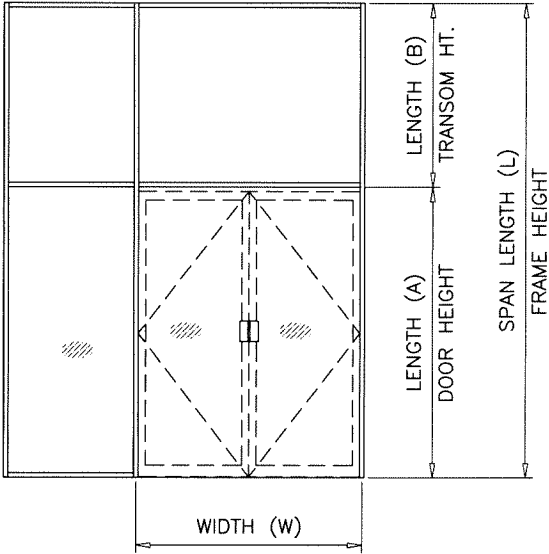
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|--------------------------------|------------|------------|-----------------|-----------------|
| NOMINAL DIMS.                  |            |            |                 | HORIZ. 'H1'     |
| WIDTH (W)                      | LENGTH (B) | LENGTH (A) | SPAN LENGTH (L) | EXT.(+) INT.(–) |
| 74–5/8"                        | 12"        |            | 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            |

| HORIZONTAL LOAD CAPACITY – PSF |            |            |                 |                 |
|--------------------------------|------------|------------|-----------------|-----------------|
| NOMINAL DIMS.                  |            |            |                 | HORIZ. 'H1'     |
| WIDTH (W)                      | LENGTH (B) | LENGTH (A) | SPAN LENGTH (L) | EXT.(+) INT.(–) |
| 74–5/8"                        | 12"        |            | 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 |

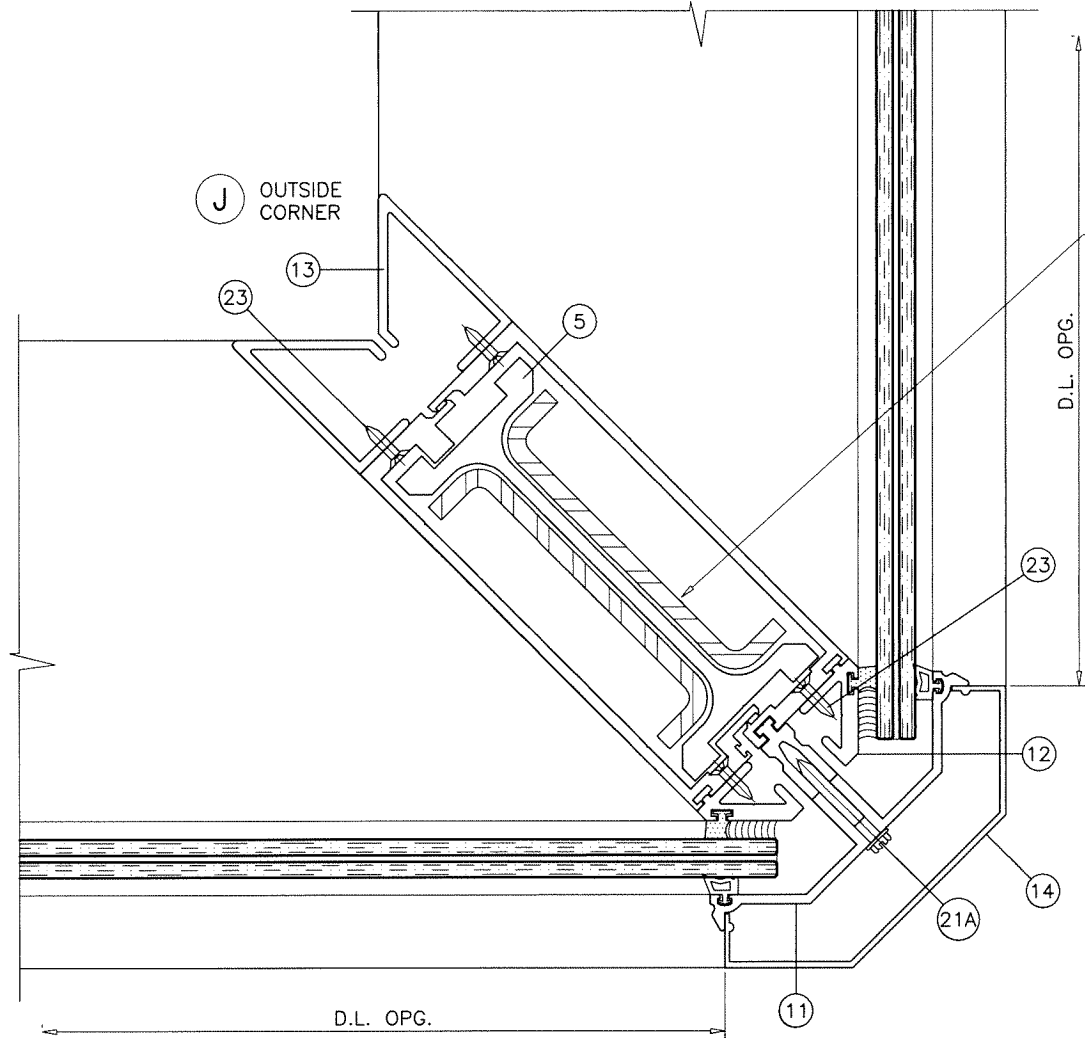


| HORIZONTAL LOAD CAPACITY – PSF |            |            |                 |                 |
|--------------------------------|------------|------------|-----------------|-----------------|
| NOMINAL DIMS.                  |            |            |                 | HORIZ. 'H2'     |
| WIDTH (W)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

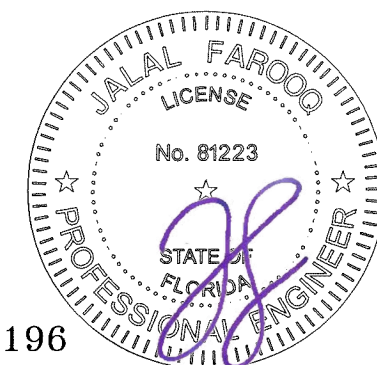
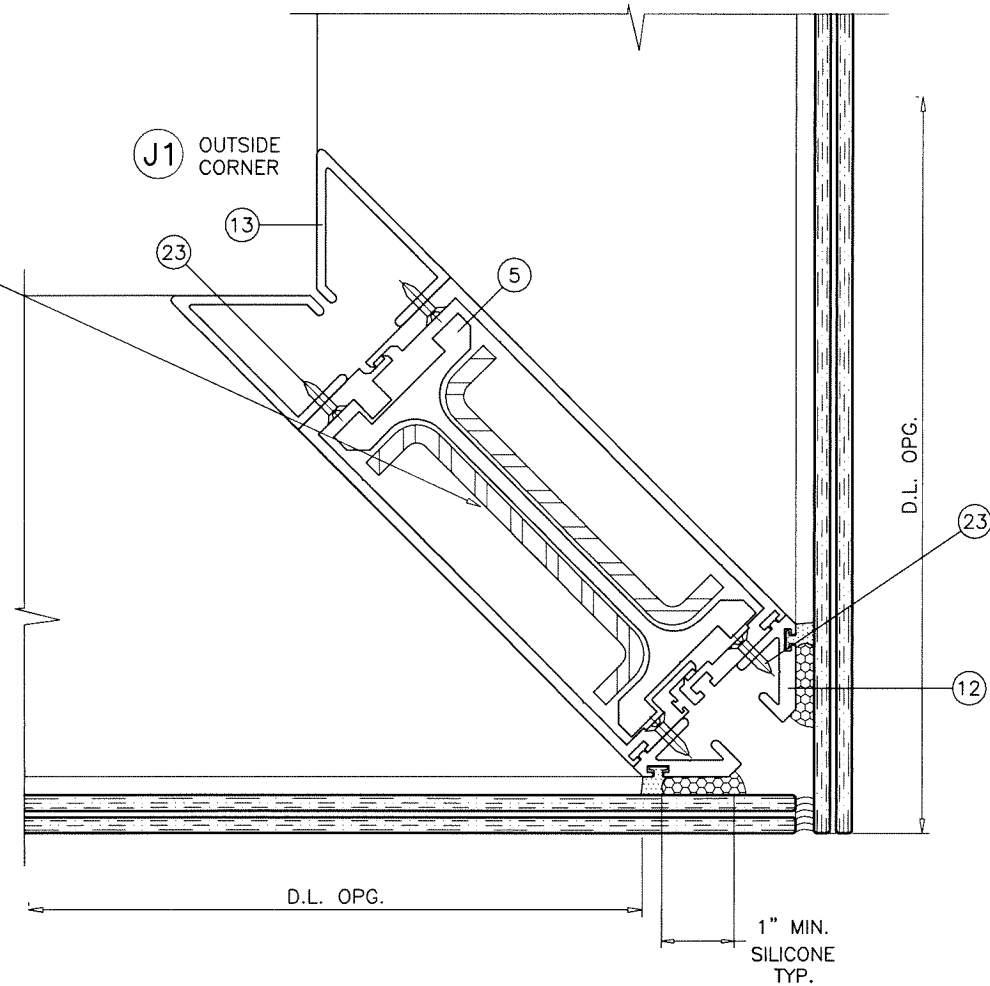
| HORIZONTAL LOAD CAPACITY – PSF |            |            |                 |                 |
|--------------------------------|------------|------------|-----------------|-----------------|
| NOMINAL DIMS.                  |            |            |                 | HORIZ. 'H2'     |
| WIDTH (W)                      | LENGTH (B) | LENGTH (A) | SPAN LENGTH (L) | EXT.(+) INT.(–) |
| 74–5/8"                        | 24"        |            | 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           |
| 86–5/8"                        |            |            |                 | 100.0           |
| 74–5/8"                        | 84"        |            | 180"            | 100.0           |
| 86–5/8"                        |            |            |                 | 100.0           |
| 74–5/8"                        | 96"        |            | 192"            | 100.0           |
| 86–5/8"                        |            |            |                 | 100.0           |
| 74–5/8"                        | 108"       |            | 204"            | 100.0           |
| 86–5/8"                        |            |            |                 | 100.0           |
| 74–5/8"                        |            |            |                 | 100.0           |

| HORIZONTAL LOAD CAPACITY – PSF |            |            |                 |                 |
|--------------------------------|------------|------------|-----------------|-----------------|
| NOMINAL DIMS.                  |            |            |                 | HORIZ. 'H2'     |
| WIDTH (W)                      | LENGTH (B) | LENGTH (A) | SPAN LENGTH (L) | EXT.(+) INT.(–) |
| 74–5/8"                        | 12"        |            | 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           |
| 86–5/8"                        |            |            |                 | 100.0           |
| 74–5/8"                        | 84"        |            | 192"            | 100.0           |
| 86–5/8"                        |            |            |                 | 100.0           |
| 74–5/8"                        | 96"        |            | 204"            | 100.0           |
| 86–5/8"                        |            |            |                 | 100.0           |
| 74–5/8"                        | 108"       |            | 216"            | 100.0           |
| 86–5/8"                        |            |            |                 | 100.0           |
| 74–5/8"                        |            |            |                 | 100.0           |

| HORIZONTAL LOAD CAPACITY – PSF |            |            |                 |                 |
|--------------------------------|------------|------------|-----------------|-----------------|
| NOMINAL DIMS.                  |            |            |                 | HORIZ. 'H2'     |
| 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"                            |            |            |                 | 100.0           |
| 74–5/8"                        | 36"        |            | 156"            | 100.0           |
| 86–5/8"                        |            |            |                 | 100.0           |
| 96"                            |            |            |                 | 95.7            |
| 74–5/8"                        | 48"        |            | 168"            | 100.0           |
| 86–5/8"                        |            |            |                 | 100.0           |
| 96"                            |            |            |                 | 83.2            |
| 74–5/8"                        | 60"        | 180"       | 100.0           |                 |
| 86–5/8"                        |            |            | 95.4            |                 |
| 74–5/8"                        | 72"        | 192"       | 100.0           |                 |
| 74–5/8"                        | 84"        | 204"       | 100.0           |                 |
| 74–5/8"                        | 96"        | 216"       | 100.0           |                 |
| 74–5/8"                        | 108"       | 228"       | 95.1            |                 |



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



Sealed: 12/18/2023  
FL #16196

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

**a f c**  
COMP-ANL W17-76GTE

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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  
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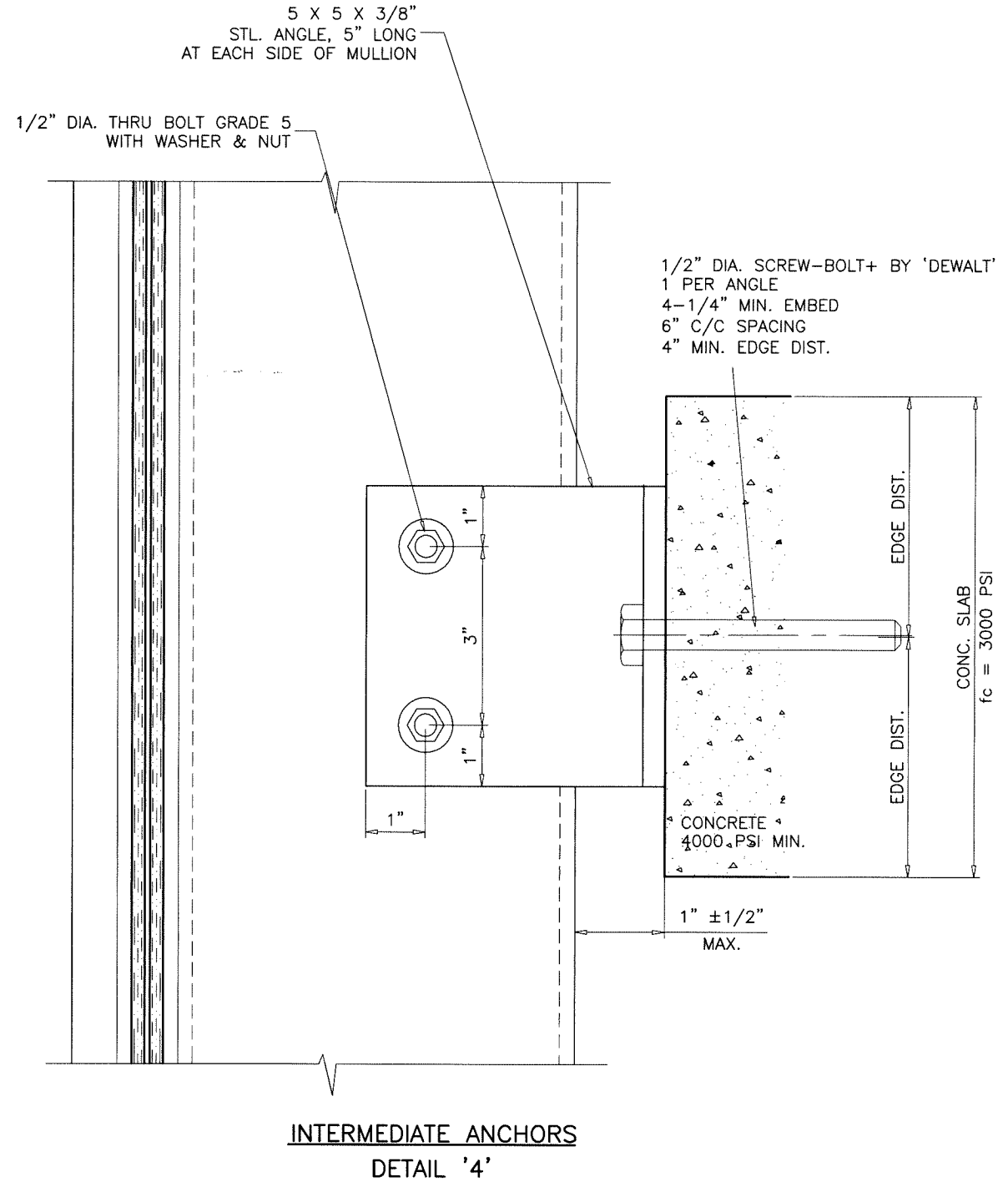
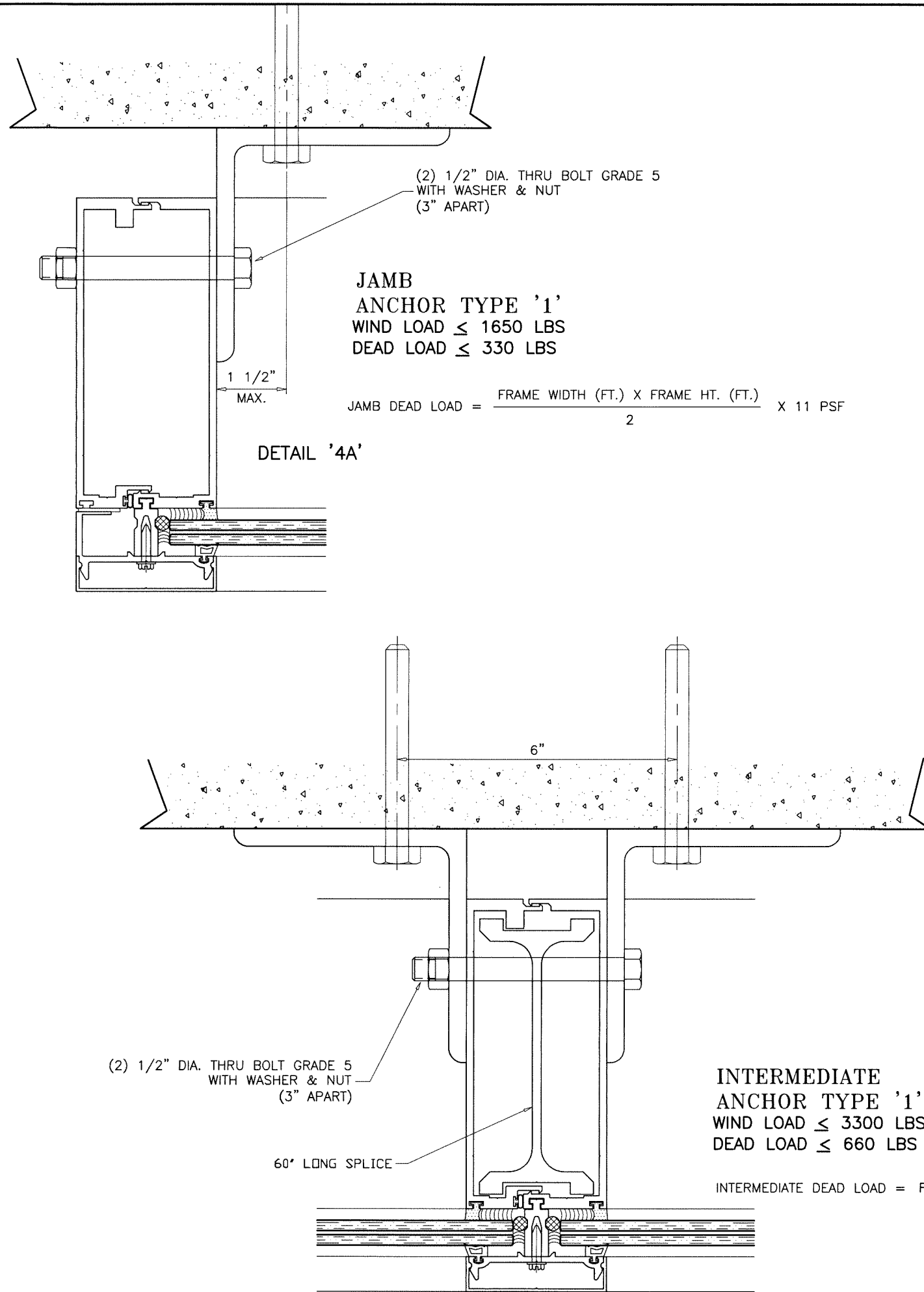
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| no | date | by description |
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scale: 3/8" = 1"  
dr. by: TARIQ  
chk. by:

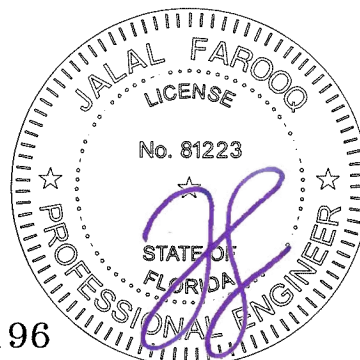
drawing no.  
**W17-76**  
sheet 16 of 24



ANCHORS INTO CONCRETE

WIND + DEAD LOAD ANCHOR

Sealed: 12/18/2023  
FL #16196



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

date: 08-24-17

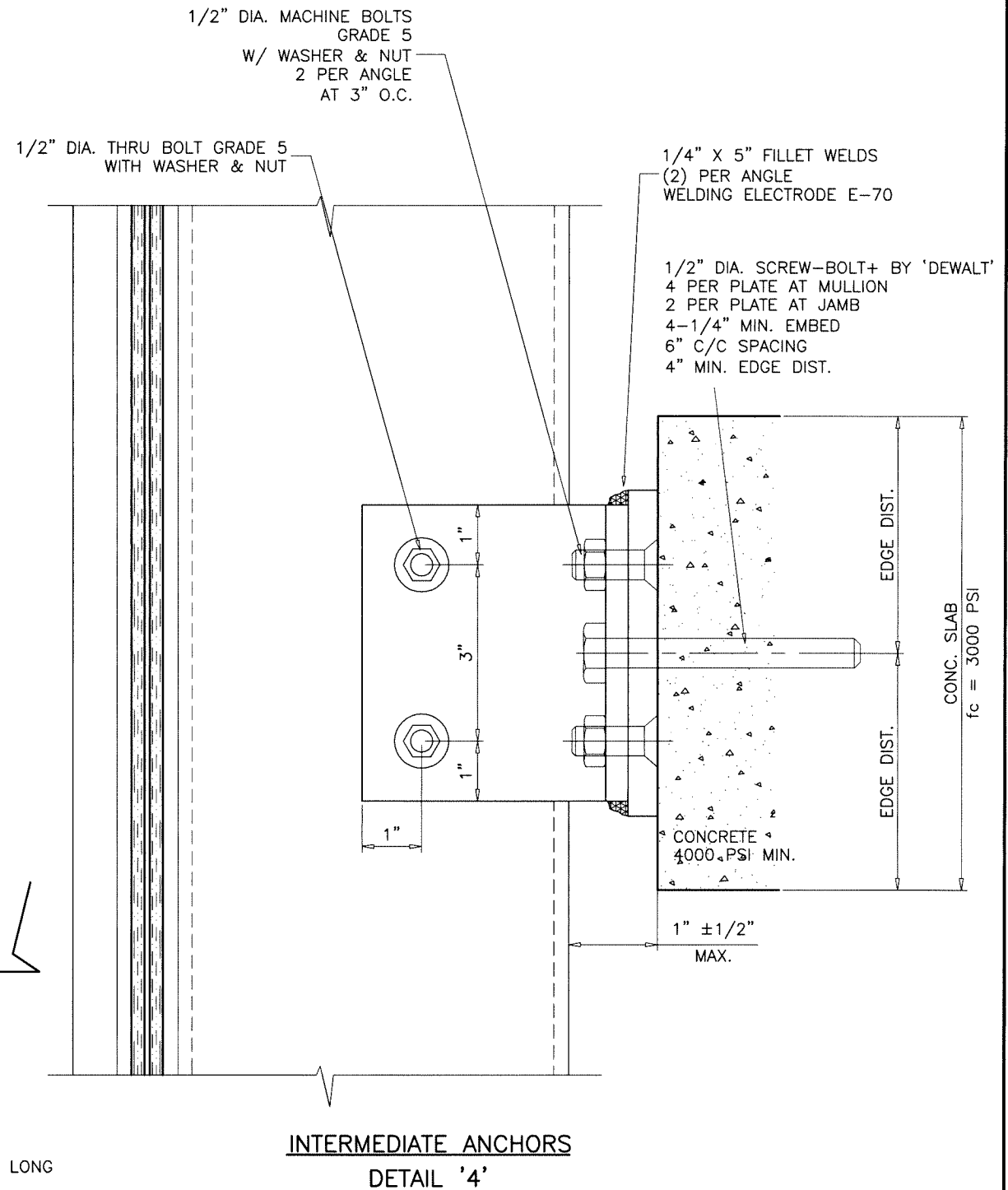
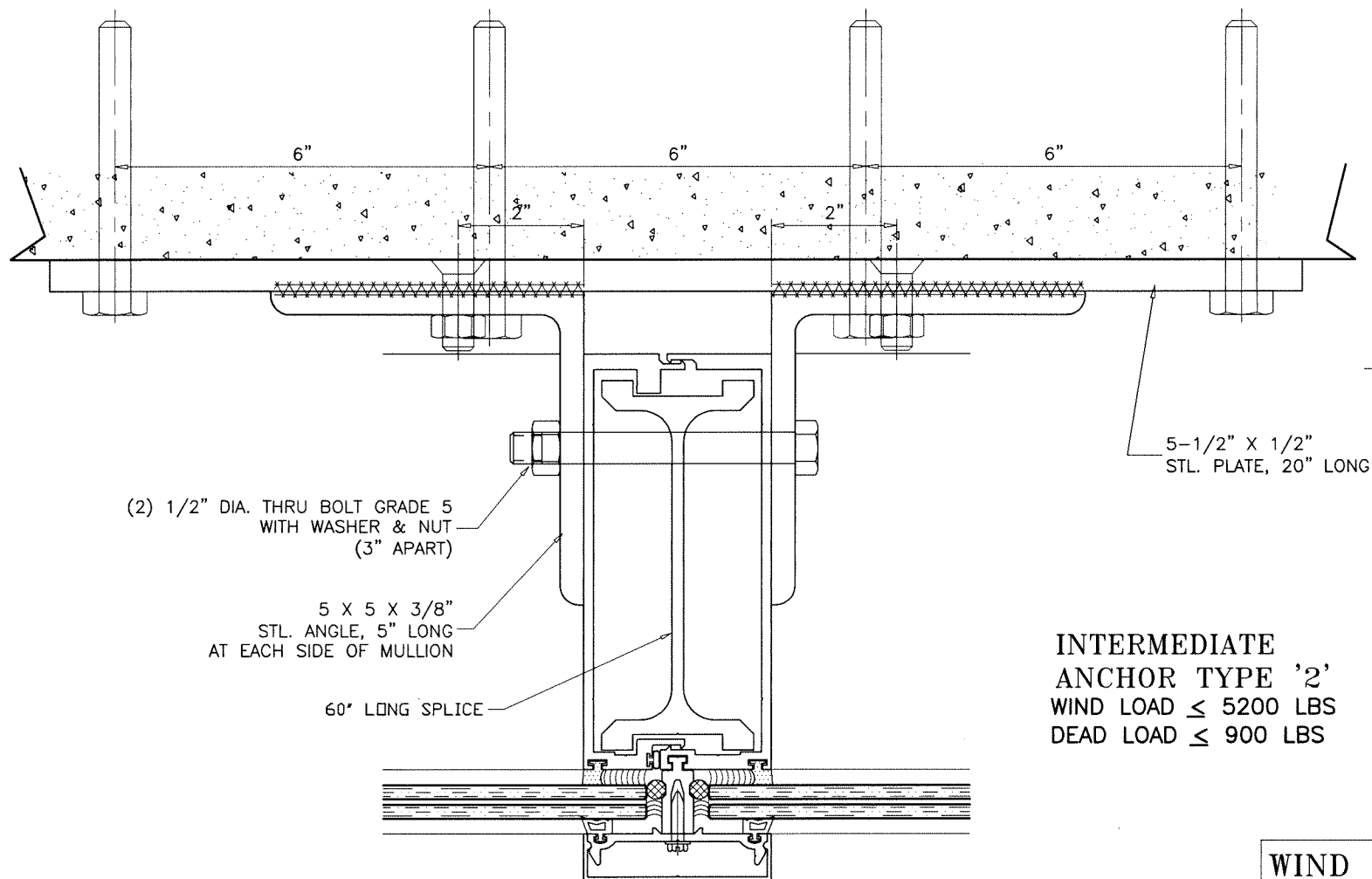
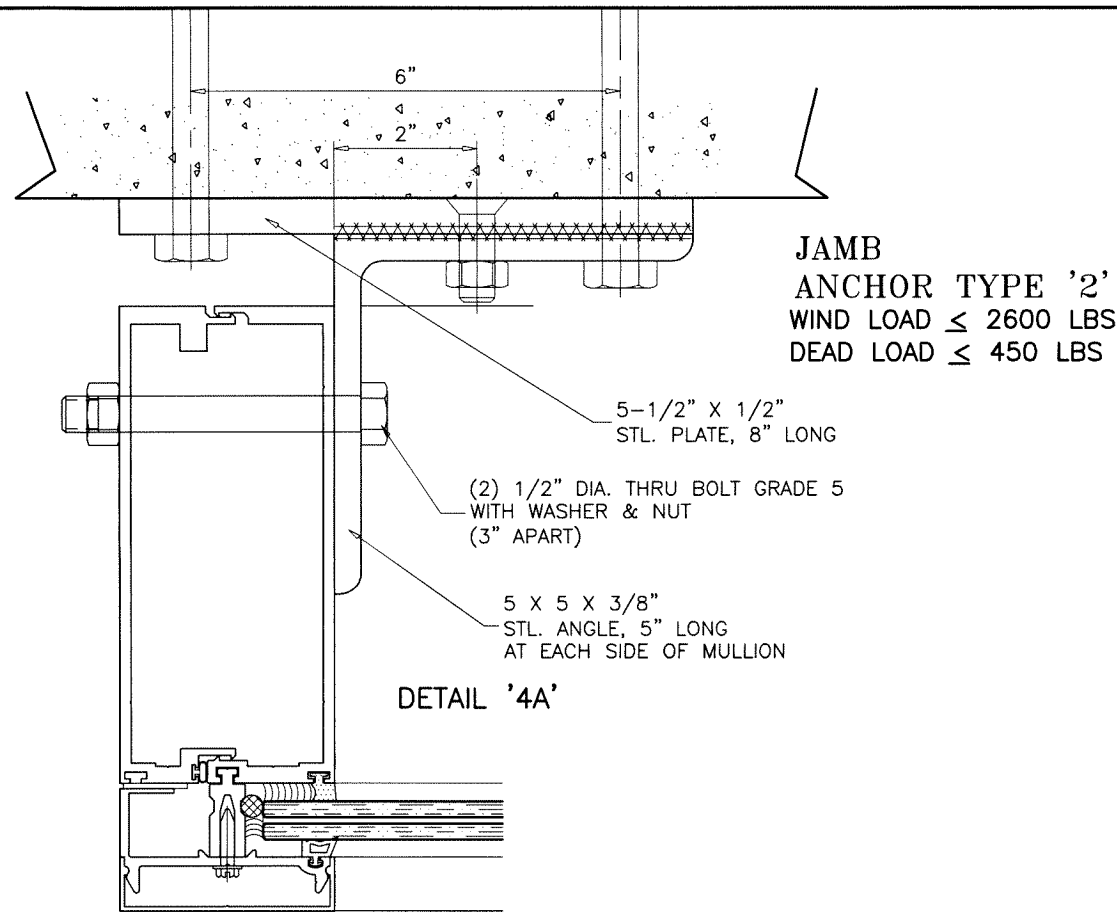
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dr. by: TARIQ

chk. by:

drawing no.  
**W17-76**

sheet 17 of 24

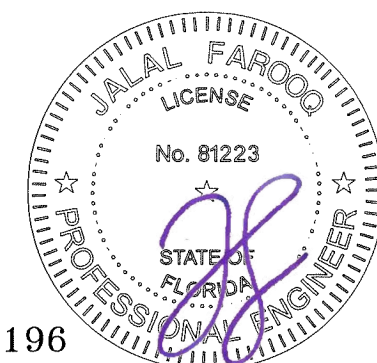


**ANCHORS INTO CONCRETE**

**WIND + DEAD LOAD ANCHOR**

Sealed: 12/18/2023

FL #16196



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| revisions: |                     |
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| no         | date by description |
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date: 08-24-17

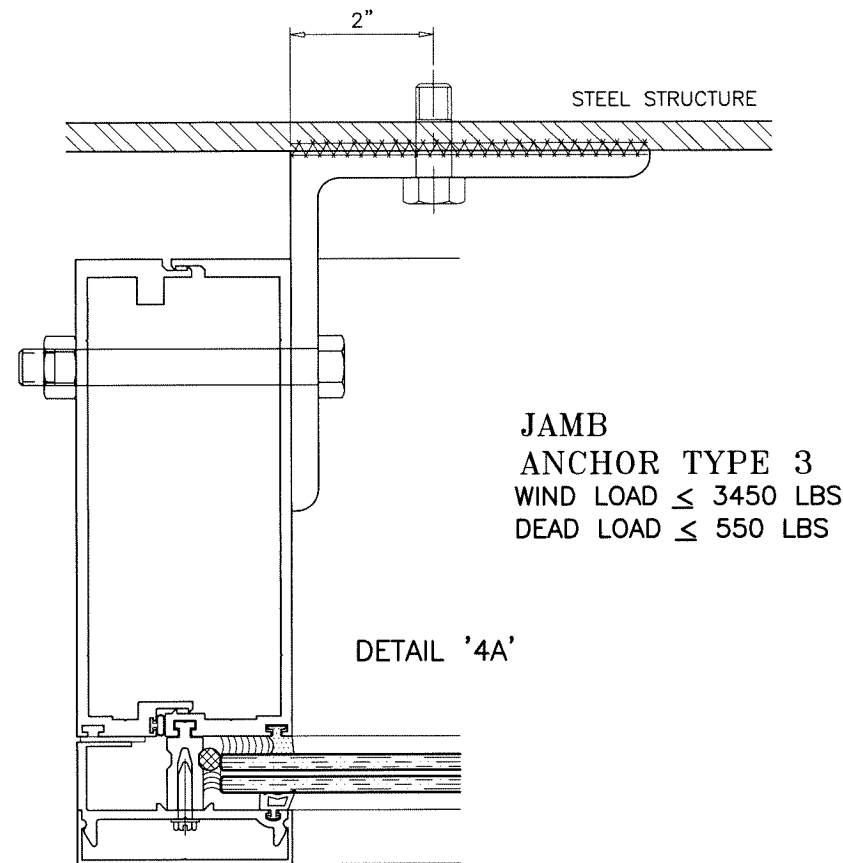
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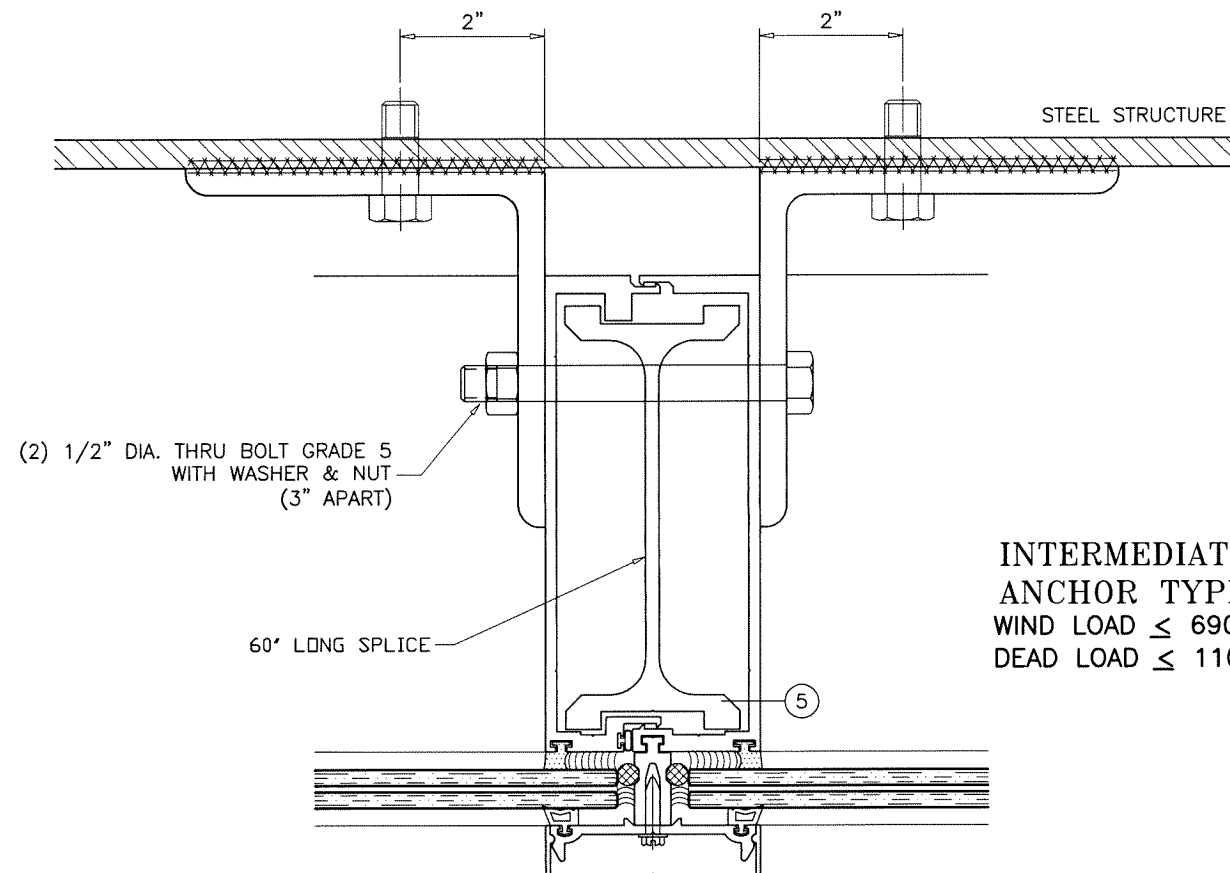
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**W17-76**

sheet 18 of 24

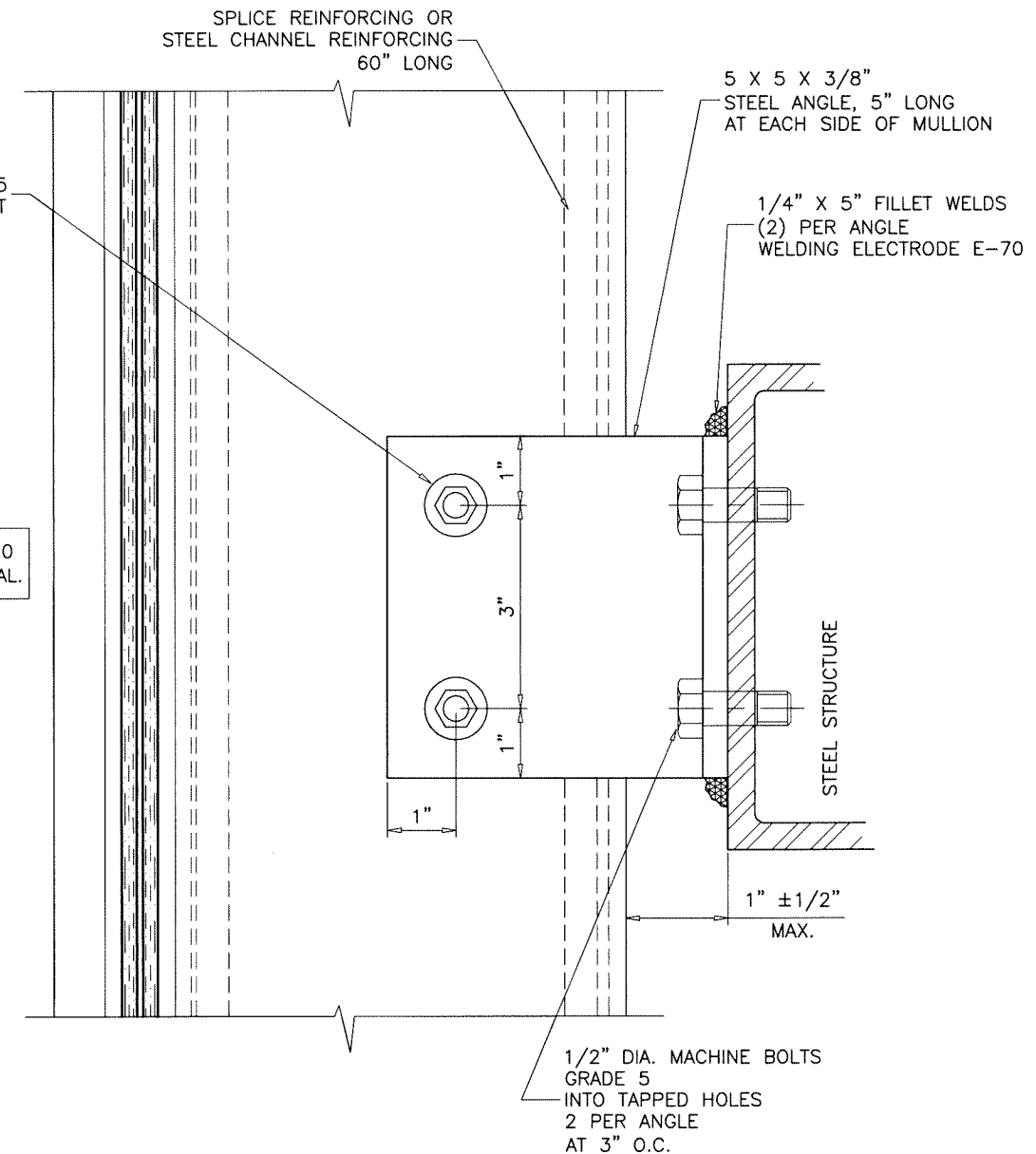


**JAMB  
ANCHOR TYPE 3**  
WIND LOAD  $\leq$  3450 LBS  
DEAD LOAD  $\leq$  550 LBS

DETAIL '4A'



**INTERMEDIATE  
ANCHOR TYPE 3**  
WIND LOAD  $\leq$  6900 LBS  
DEAD LOAD  $\leq$  1100 LBS



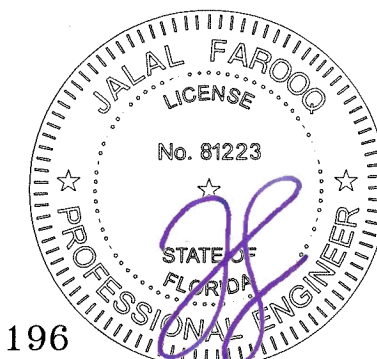
**INTERMEDIATE ANCHORS  
DETAIL '4' (ALT.)**

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

WIND + DEAD LOAD ANCHOR

Sealed: 12/18/2023

FL #16196



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
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TEL. (305) 264-8100 FAX. (305) 262-6978  
(C.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

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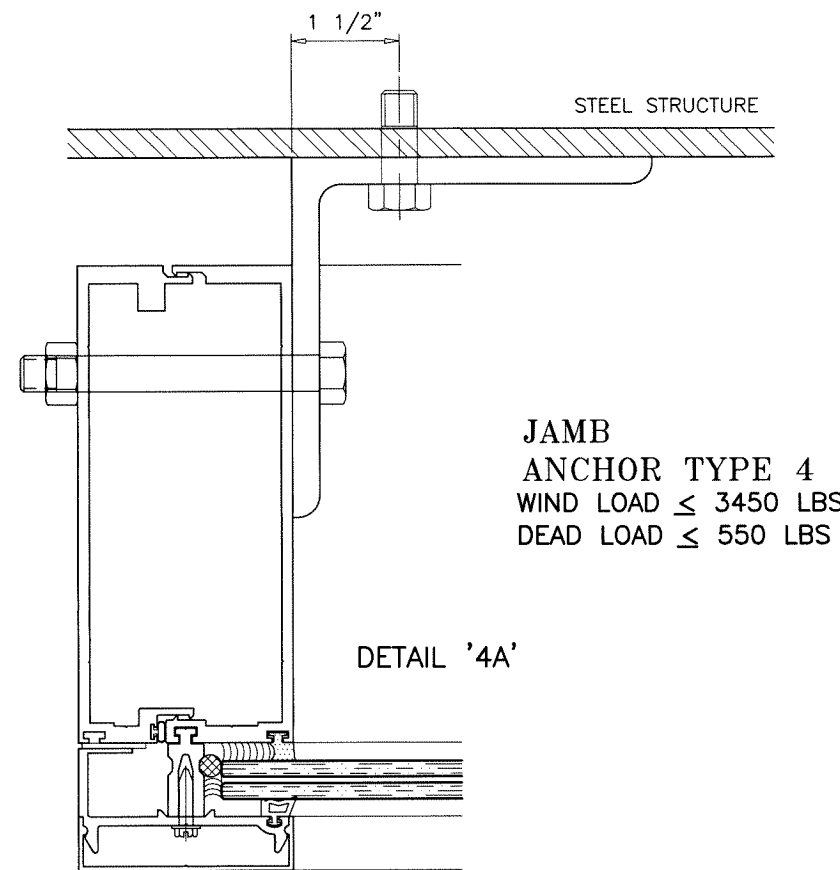
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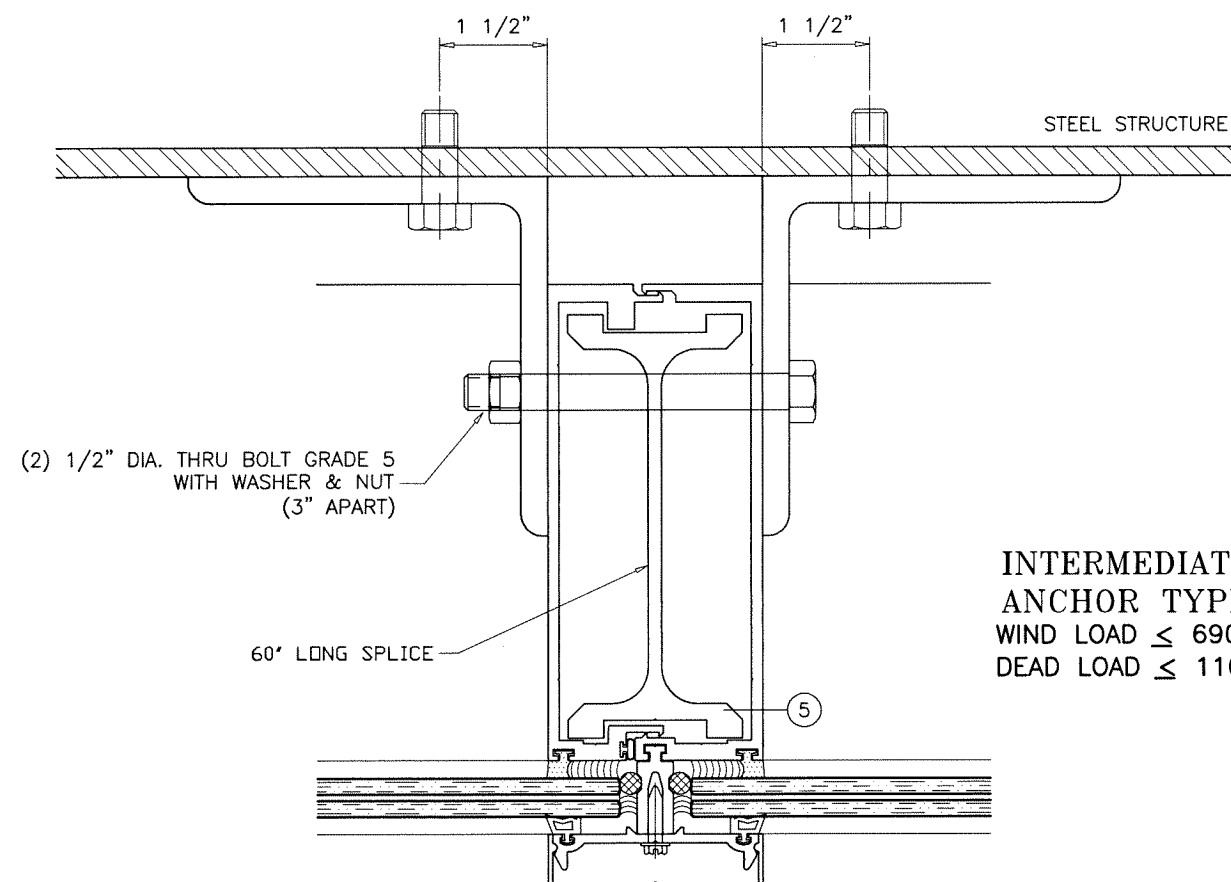
sheet 19 of 24

COMP-ANL W17-76GTE

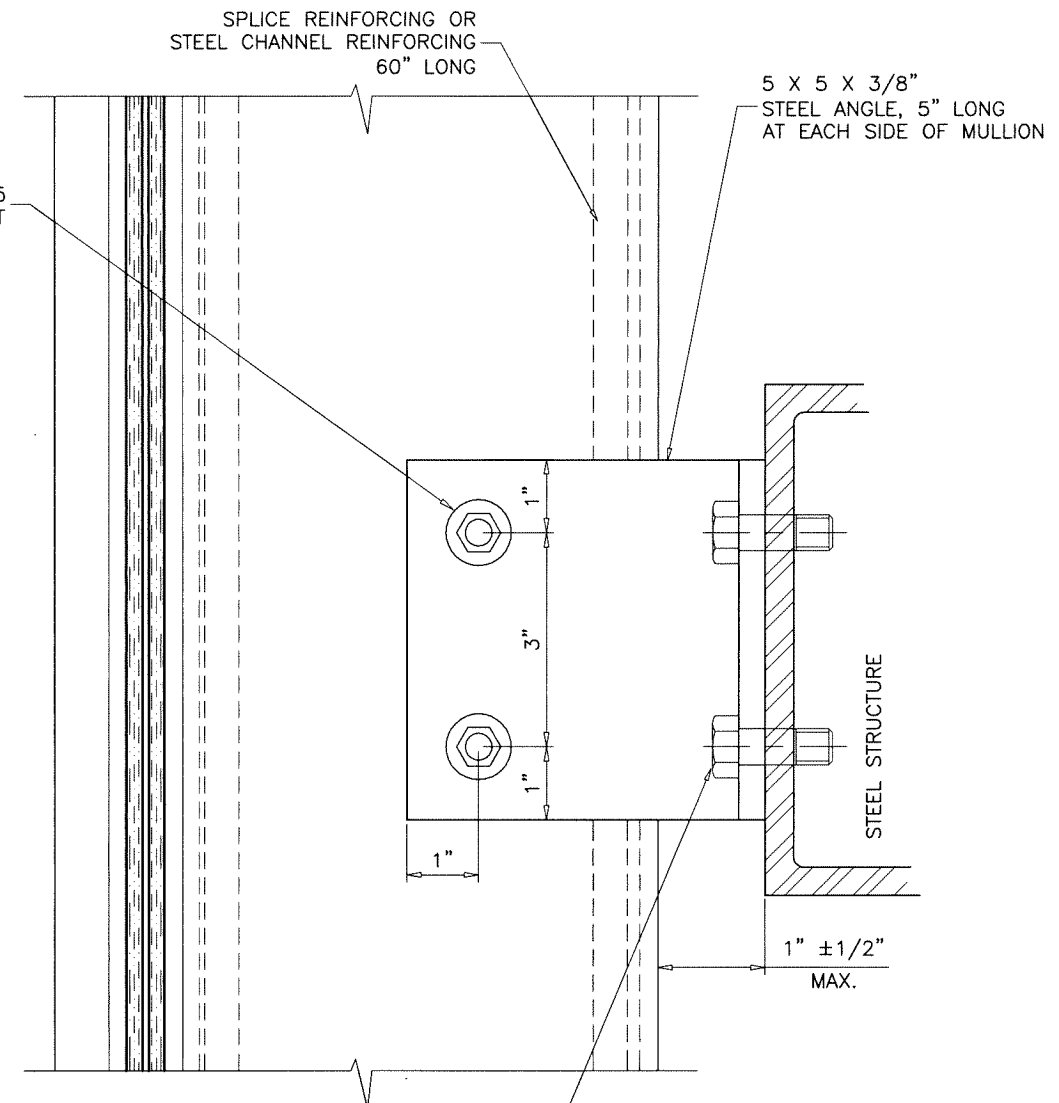


**JAMB  
ANCHOR TYPE 4**  
WIND LOAD  $\leq$  3450 LBS  
DEAD LOAD  $\leq$  550 LBS

DETAIL '4A'



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



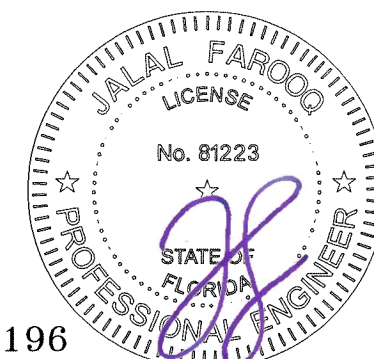
**INTERMEDIATE ANCHORS  
DETAIL '4' (ALT.)**

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

WIND + DEAD LOAD ANCHOR

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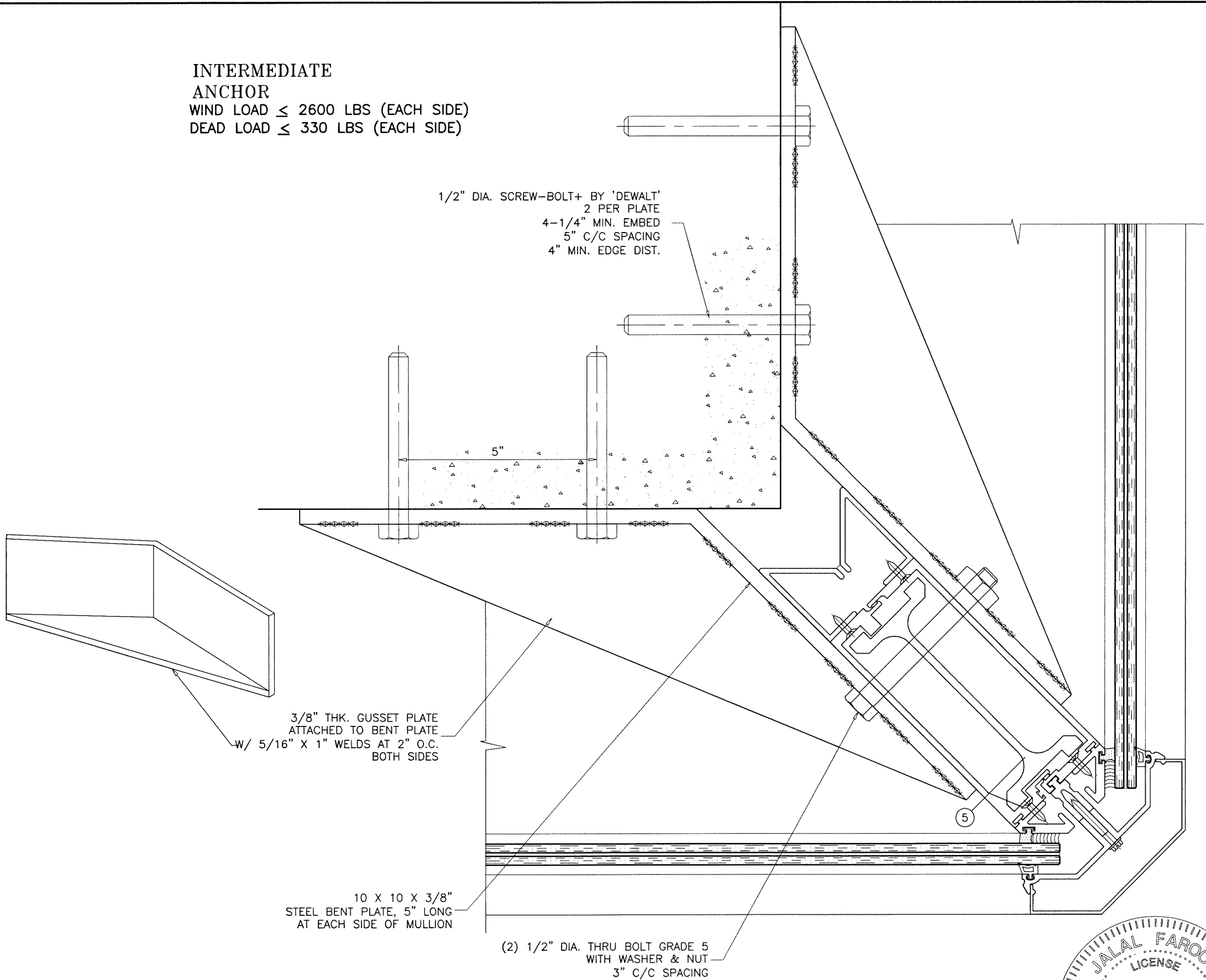
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sheet 19.1 of 24

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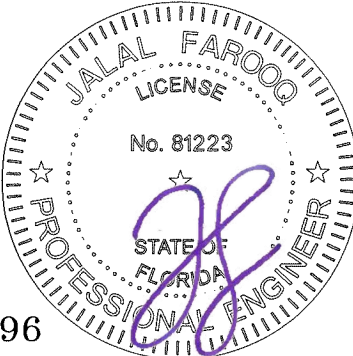
INTERMEDIATE  
ANCHOR  
WIND LOAD  $\leq$  2600 LBS (EACH SIDE)  
DEAD LOAD  $\leq$  330 LBS (EACH SIDE)



CORNER MULLION ANCHORS  
DEATIL '5'

WIND + DEAD LOAD ANCHOR

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**af c**

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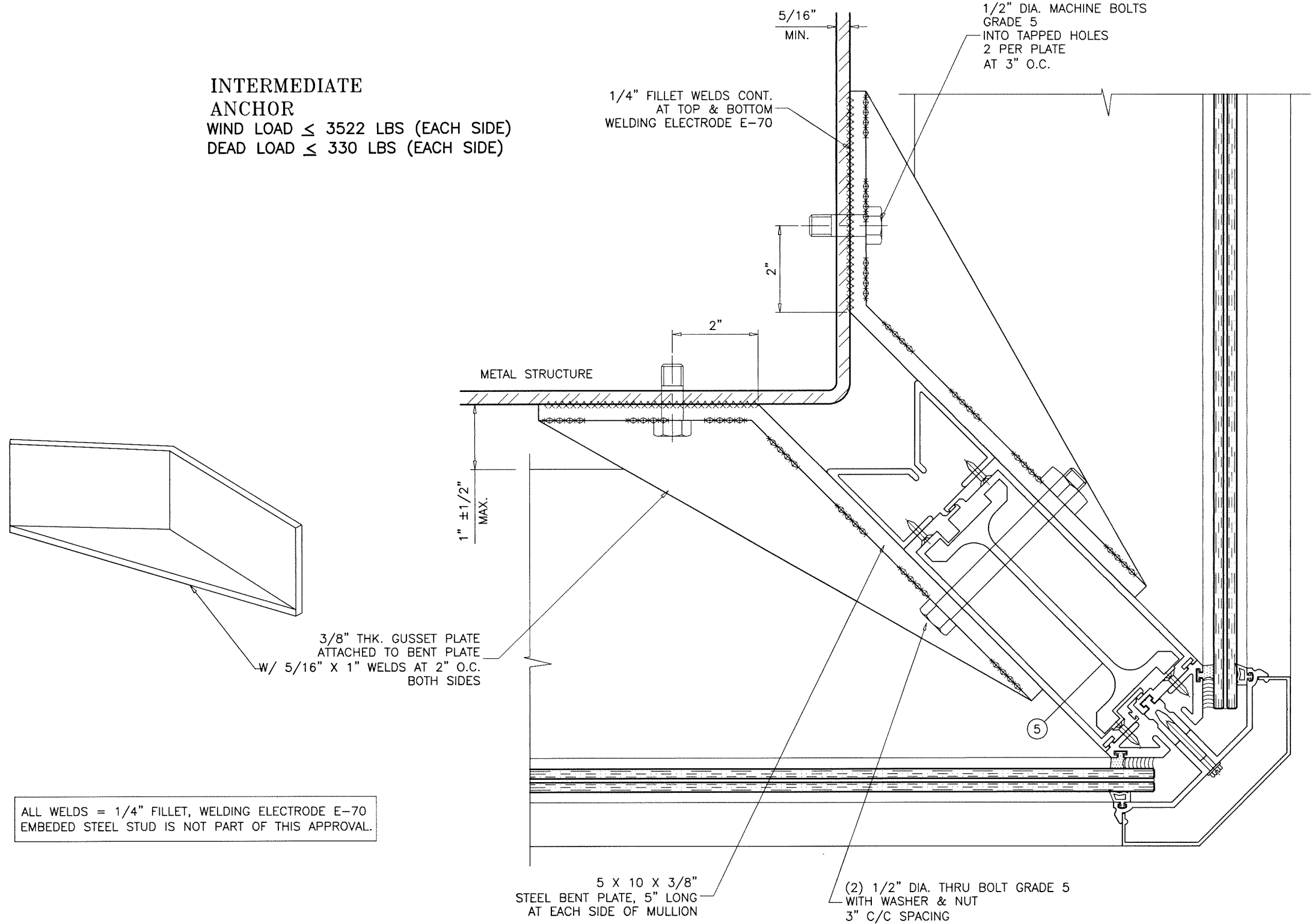
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**W17-76**

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



CORNER MULLION ANCHORS  
DETAIL '8' (ALT.)

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

WIND + DEAD LOAD ANCHOR

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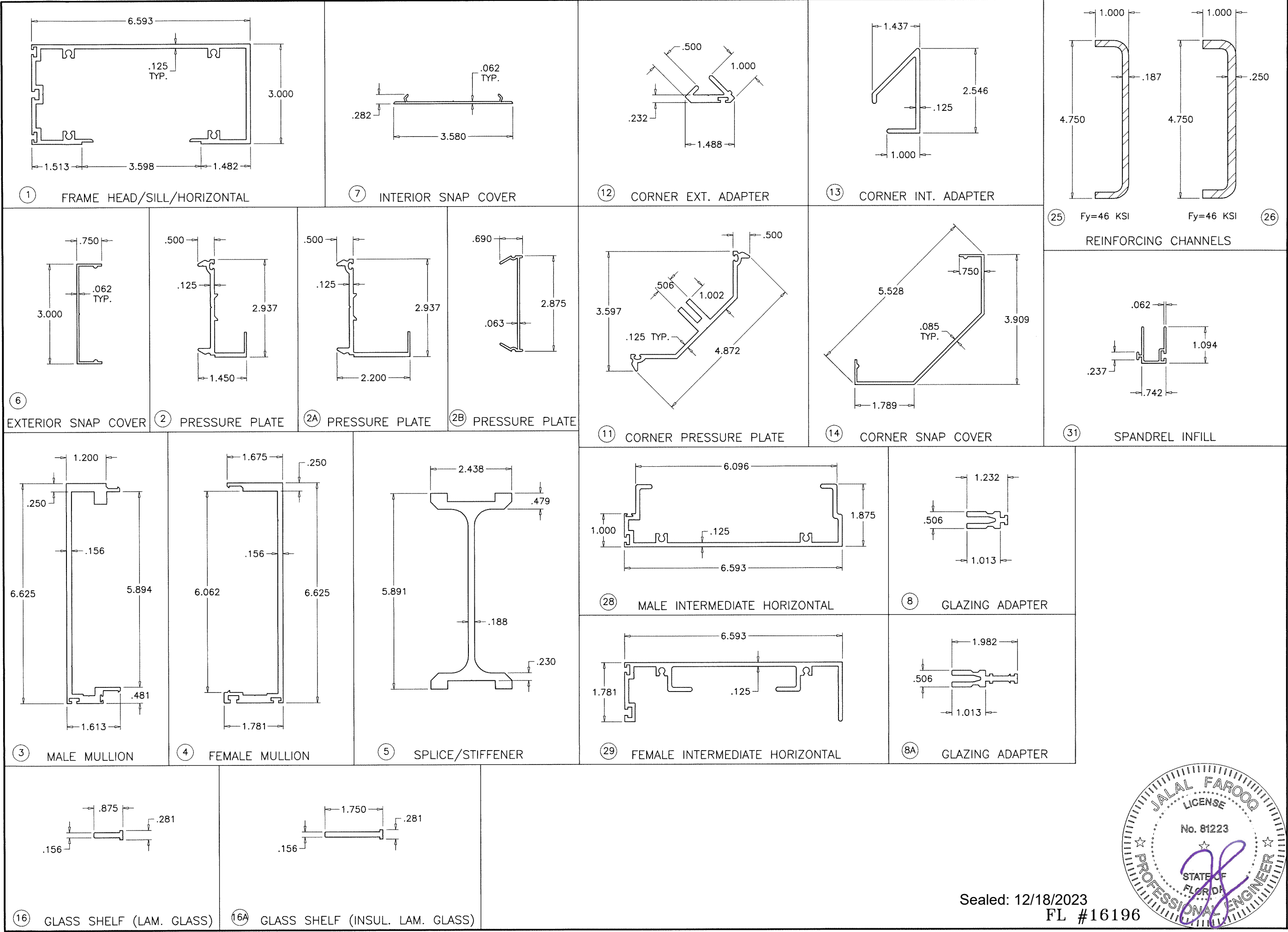
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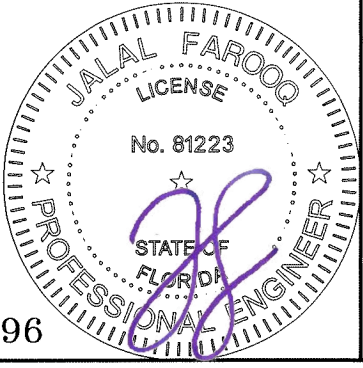
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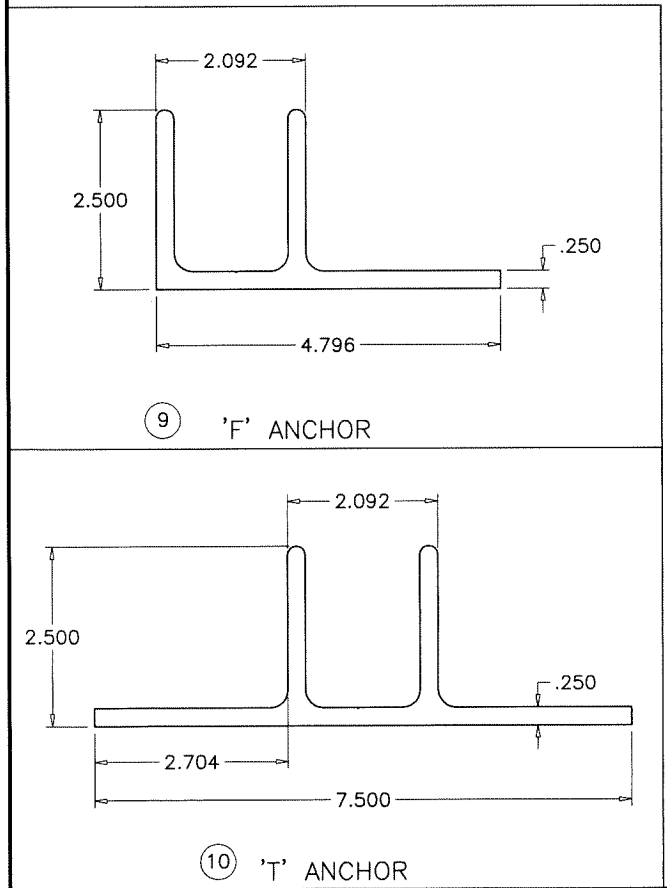
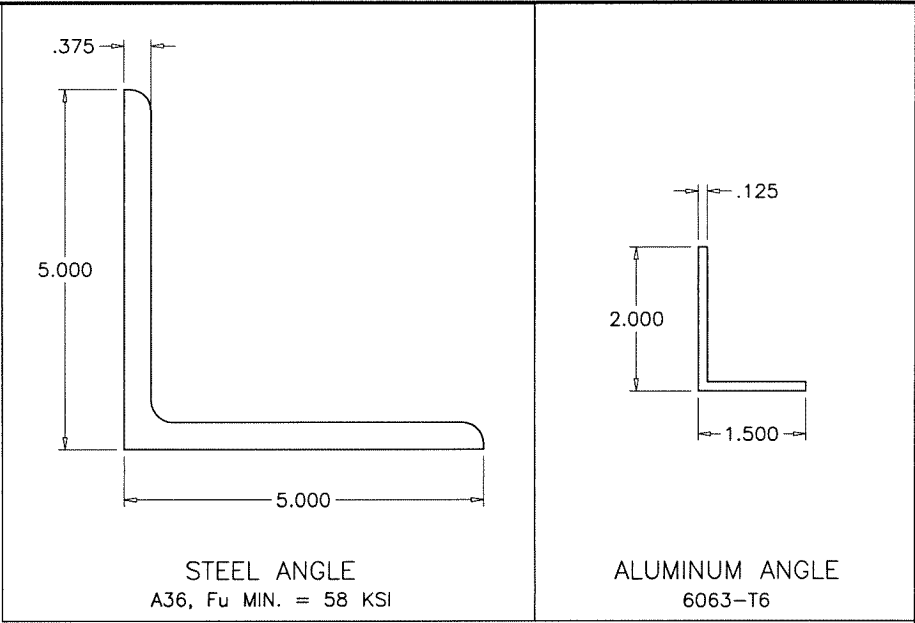
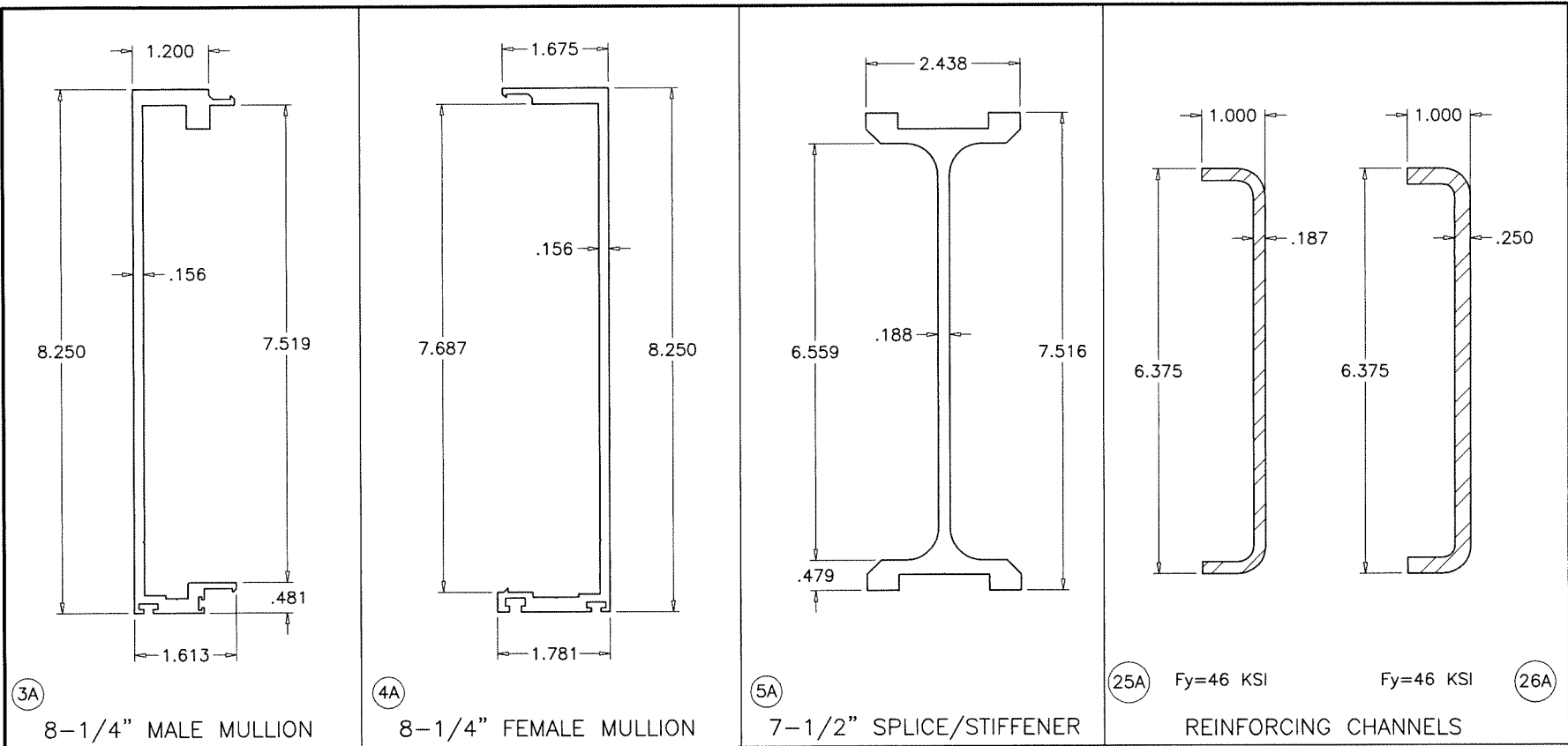
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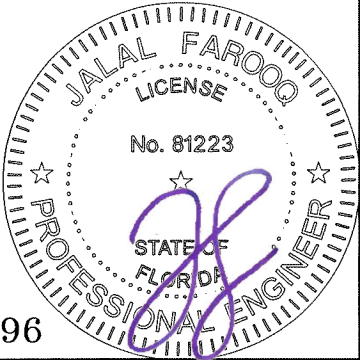
sheet 22 of 24

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FL #16196





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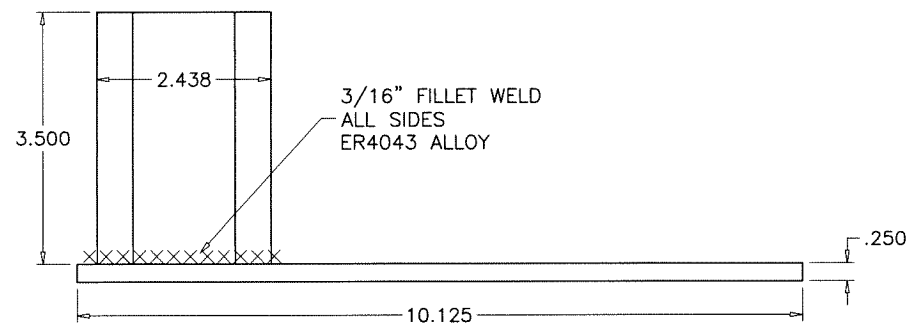
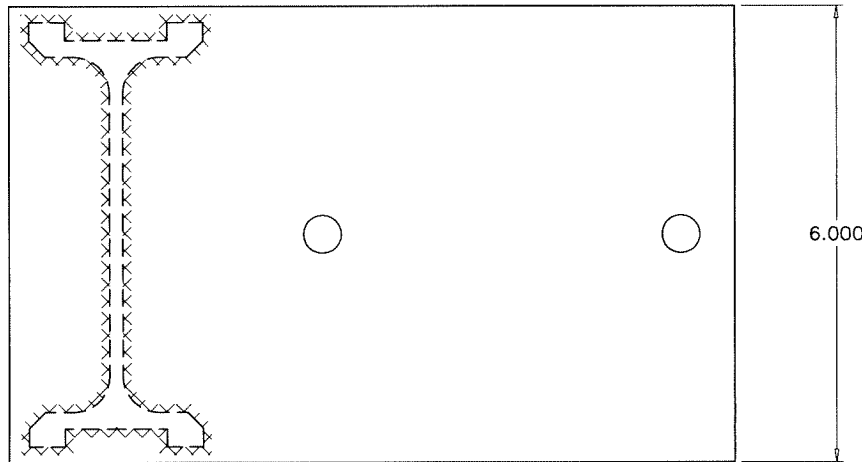
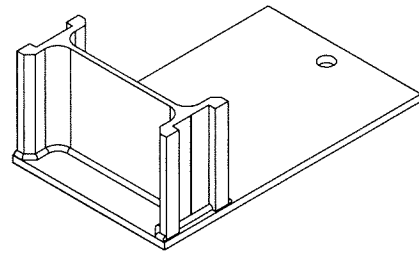
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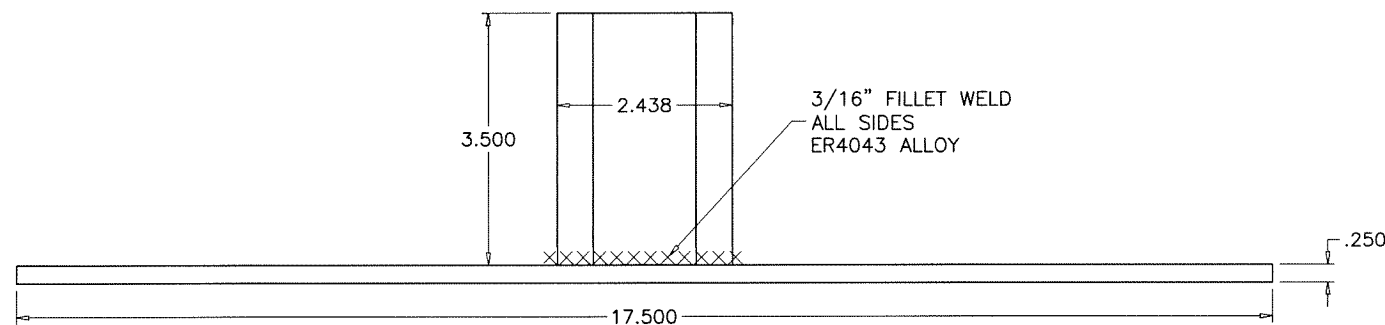
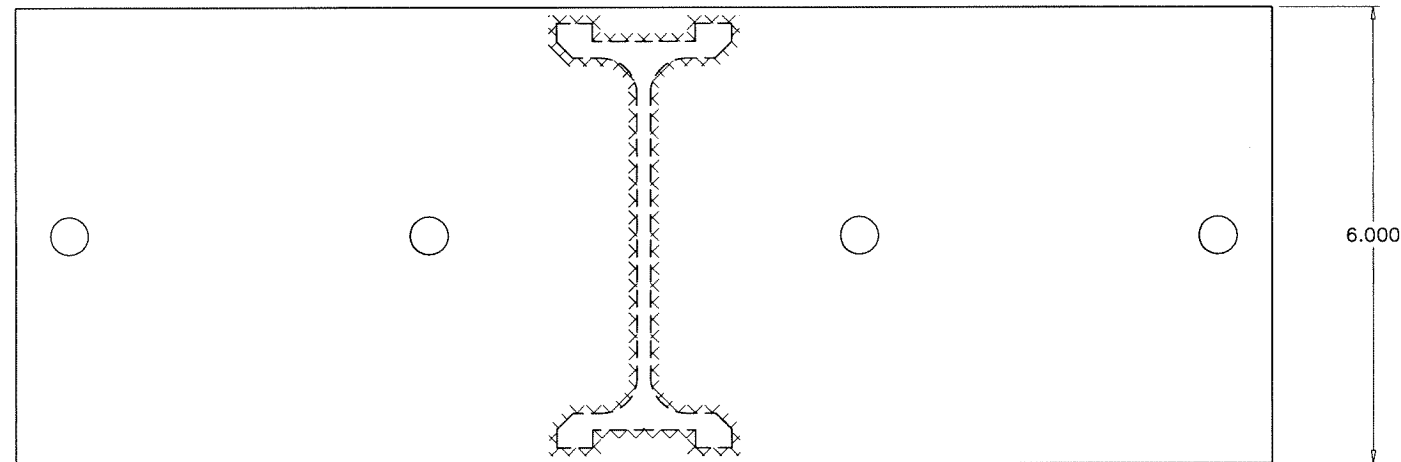
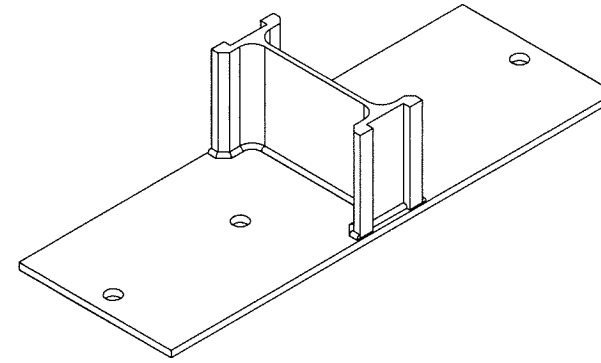
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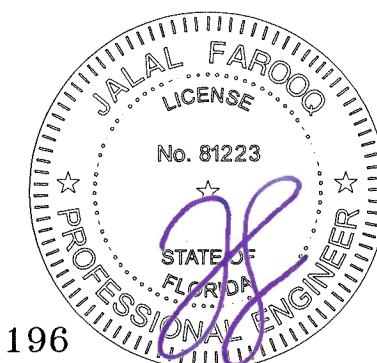
sheet **22.1** of **24**



9A 'F' ANCHOR



10A 'T' ANCHOR



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FL #16196

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

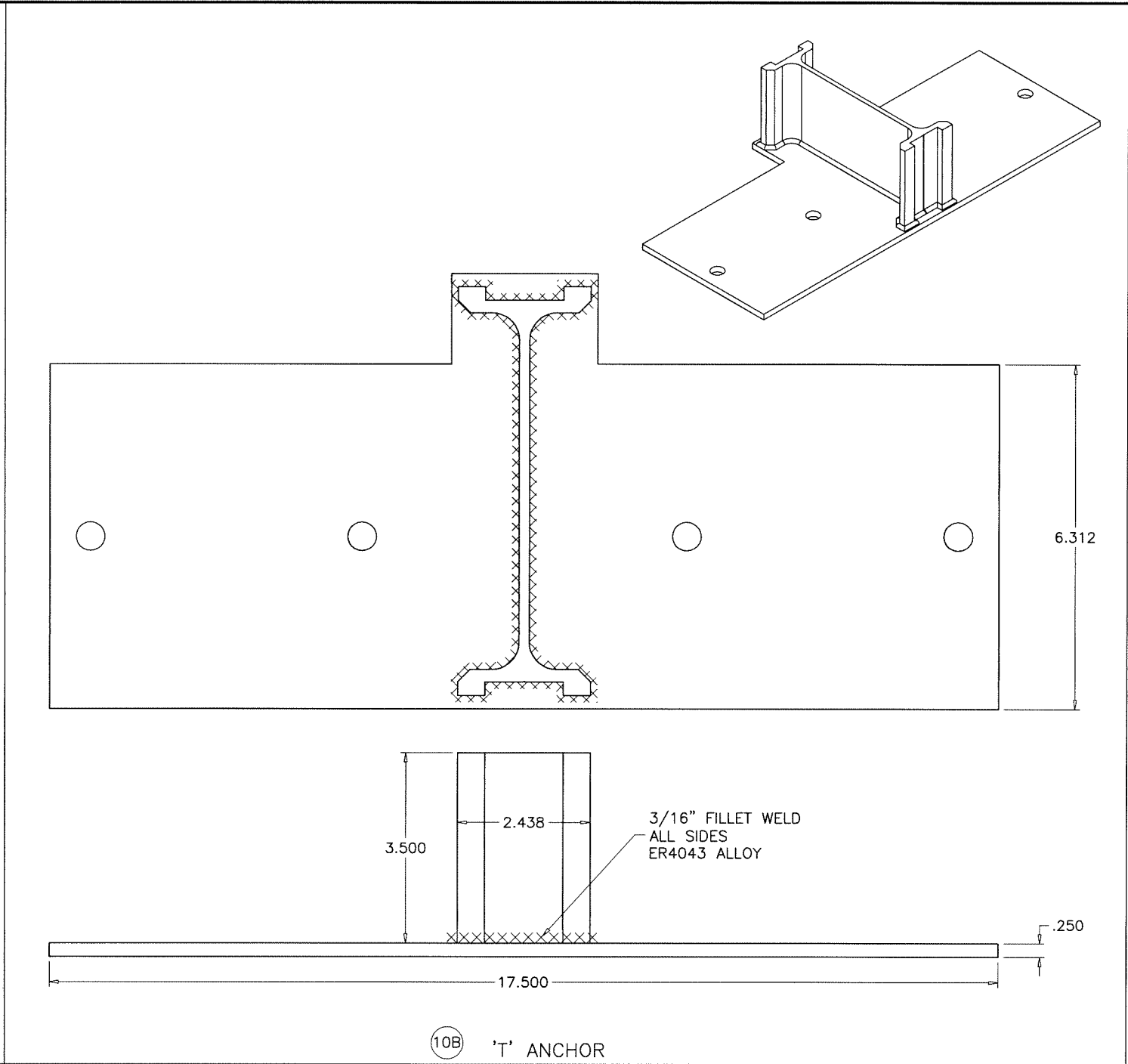
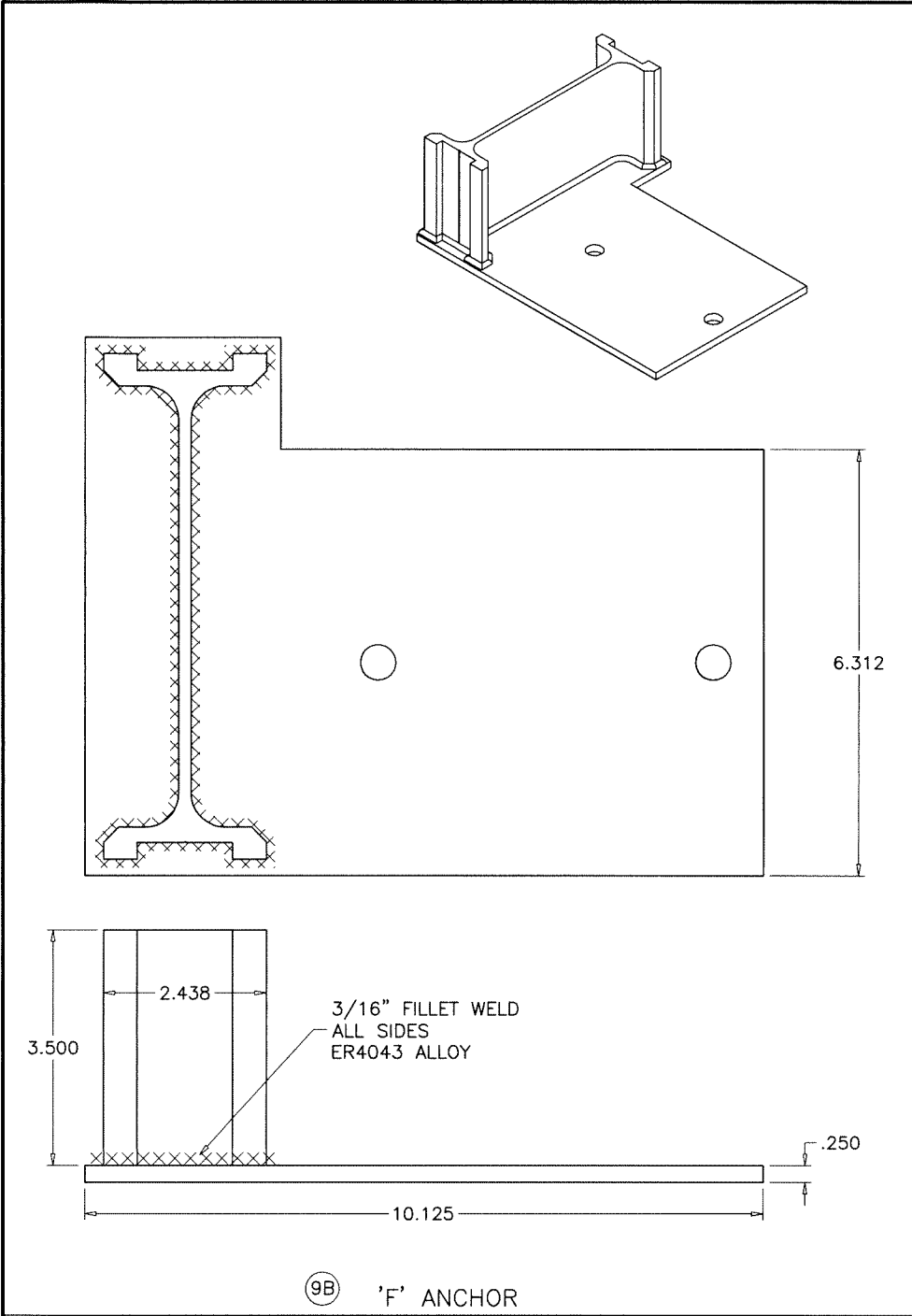
**Glass Tech Engineering, Inc.**

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Miami, FL. 33166  
Tel. (305) 594-4321 Fax. (305) 599-2730

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**W17-76**  
sheet 22.2 of 24



Sealed: 12/18/2023  
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SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)

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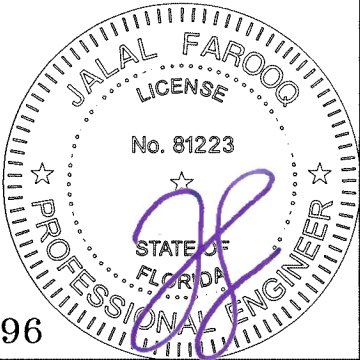
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**W17-76**  
sheet **22.3** of **24**

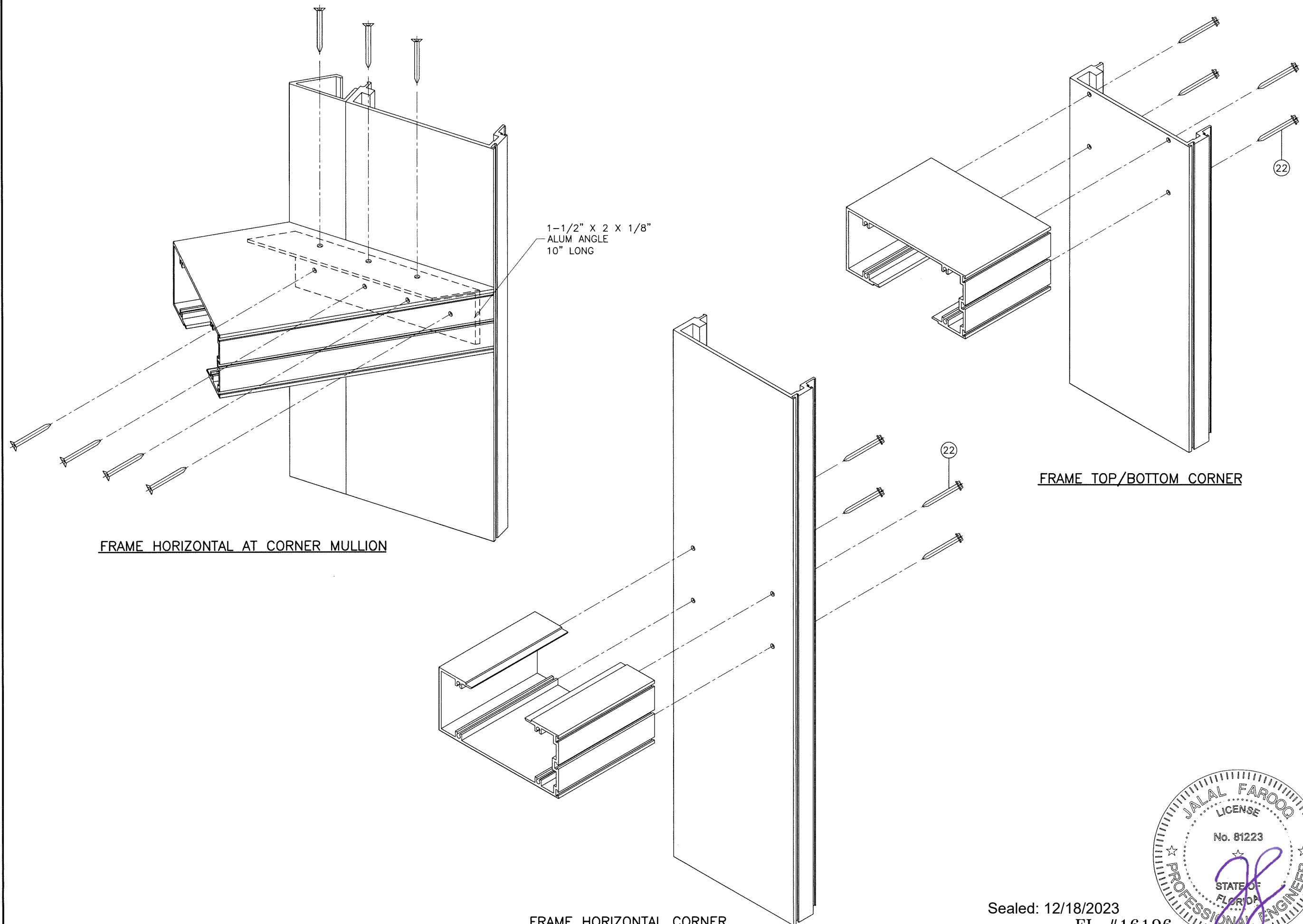
| ITEM NO. | PART NO.        | QUANTITY  | DESCRIPTION                          | MATERIAL        | MANF./SUPPLIER/REMARKS                          |
|----------|-----------------|-----------|--------------------------------------|-----------------|-------------------------------------------------|
| 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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| SERIES-2047 ALUM CURTAIN WALL SYSTEM (L.M.I.)                                                                                                                                       |                        |
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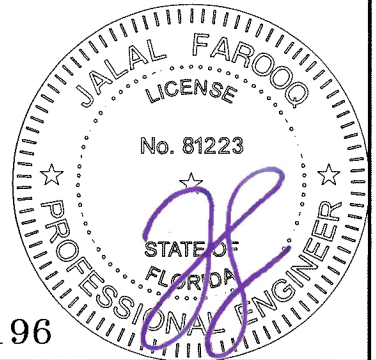
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sheet **24** of **24**

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