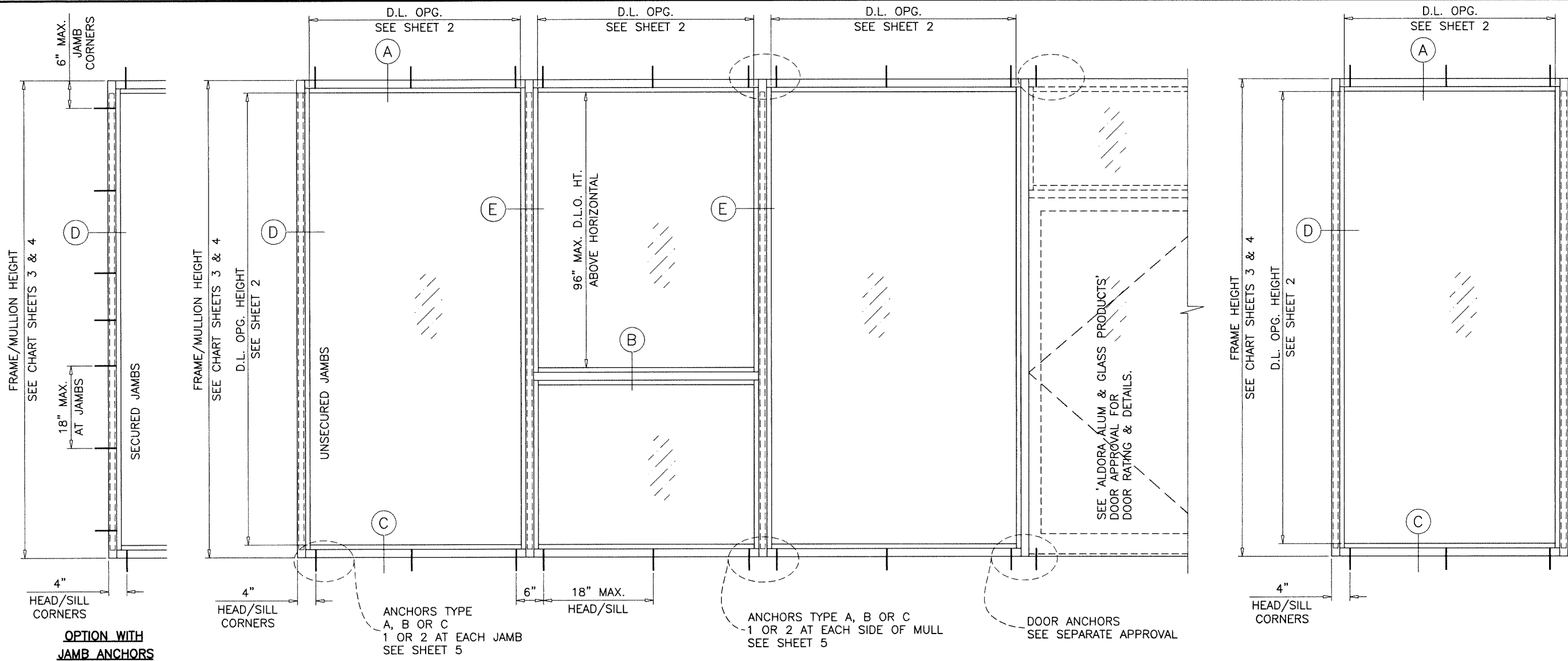




## SERIES SMI-090 ALUMINUM WINDOW WALL

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH F.B.C. APPR'D DOORS.

LOWER DESIGN PRESSURE FROM STOREFRONT OR DOOR APPROVAL  
WILL APPLY TO ENTIRE SYSTEM.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

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

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE  
DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT  
LOADS TO THE BUILDING STRUCTURE.

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.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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

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

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

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

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION  
IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE.  
LABELING TO COMPLY WITH SECTION 1709.9.2.

## TYPICAL ELEVATIONS

### INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED  
ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE  
USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 2 FOR DESIGN LOAD  
CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND  
HEIGHT USING CHARTS ON SHEET 3 & 4.  
THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHART ON SHEETS 5 SELECT ANCHOR OPTION  
WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED  
IN STEP 1 ABOVE.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3  
AND 4 SHALL APPLY TO ENTIRE SYSTEM.

FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET  
CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES.  
COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.  
REFER TO AL-FAROOQ STATEMENT OF EQUIVALENCY UPLOADED ALONGSIDE THIS DOCUMENT  
FOR FURTHER DETAILS.

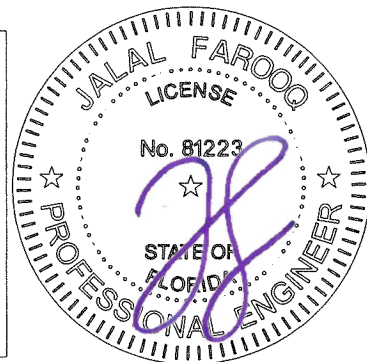
WINDOW WALL IS NOT RATED FOR IMPACT.

INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET  
THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

Sealed: 9/1/2026

FL #25948

- A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND  
INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION  
PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED  
ON THIS DOCUMENT.
- B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF  
ALTERED BY ANY MEANS.
- C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED  
ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.)  
FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER  
USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED  
ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE  
SPECIFIC DRAWINGS FOR REVIEW.
- D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF  
THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



SERIES SMI-090 ALUM WINDOW WALL (N.I.)

**Aldora Aluminum & Glass Products Inc.**

4250 Coral Ridge Drive, Suite 101  
Coral Springs, FL. 33065

Tel. (954) 784-6900 Fax. (954) 784-6901

**AL-FAROOQ CORPORATION**

ENGINEERS & PRODUCT DEVELOPMENT

9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33173

TEL. (305) 264-8100

FAX. (305) 262-6978

COMP-ANL\25-37F-AGP

revisions:

| no | date     | by | description         |
|----|----------|----|---------------------|
| A  | 09.01.26 |    | UPDATED TO 2026 FBC |
|    |          |    |                     |
|    |          |    |                     |
|    |          |    |                     |

date: 03-19-25

scale: 1/2"=1'-0"

dr. by: TARIQ

chk. by:

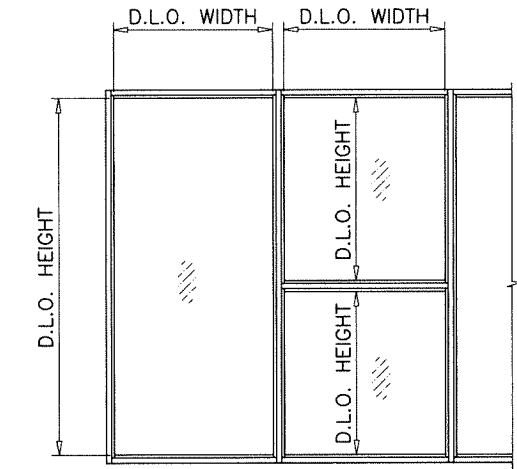
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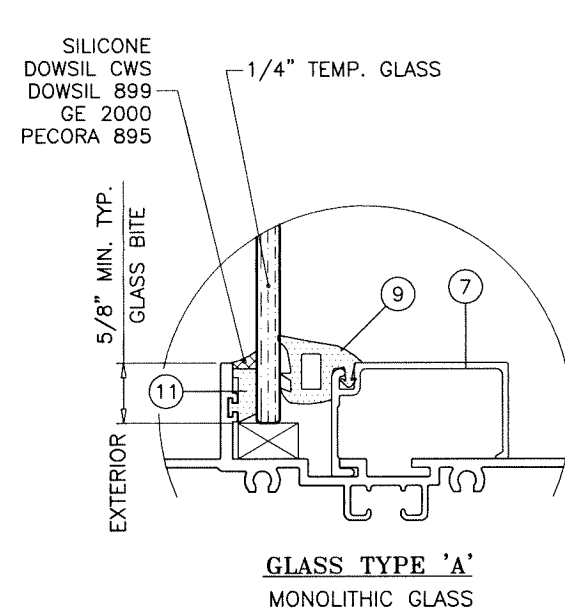
sheet 1 of 10

| GLASS LOAD CAPACITY - PSF |               |                 |                 |
|---------------------------|---------------|-----------------|-----------------|
| NOMINAL DIMS.             |               | GLASS TYPES     |                 |
|                           |               | 'A'             | 'A1'            |
| D.L.O. WIDTH              | D.L.O. HEIGHT | EXT.(+) INT.(-) | EXT.(+) INT.(-) |
| 26-1/4"                   | 84-1/2"       | 60.0            | 60.0            |
| 32-1/4"                   |               | 60.0            | 60.0            |
| 38-1/4"                   |               | 60.0            | 60.0            |
| 44-1/4"                   |               | 60.0            | 60.0            |
| 50-1/4"                   |               | 60.0            | 60.0            |
| 56-1/4"                   |               | 60.0            | 60.0            |
| 26-1/4"                   | 96-1/2"       | 60.0            | 60.0            |
| 32-1/4"                   |               | 60.0            | 60.0            |
| 38-1/4"                   |               | 60.0            | 60.0            |
| 44-1/4"                   |               | 60.0            | 60.0            |
| 50-1/4"                   |               | 60.0            | 60.0            |
| 26-1/4"                   | 114-1/2"      | 60.0            | 60.0            |
| 32-1/4"                   |               | 60.0            | 60.0            |
| 38-1/4"                   |               | 60.0            | 60.0            |
| 44-1/4"                   |               | 60.0            | 60.0            |
| 26-1/4"                   | 126-1/2"      | 60.0            | 60.0            |
| 32-1/4"                   |               | 60.0            | 60.0            |
| 38-1/4"                   |               | 60.0            | 60.0            |
| 26-1/4"                   | 138-1/2"      | 60.0            | 60.0            |
| 32-1/4"                   |               | 60.0            | 60.0            |

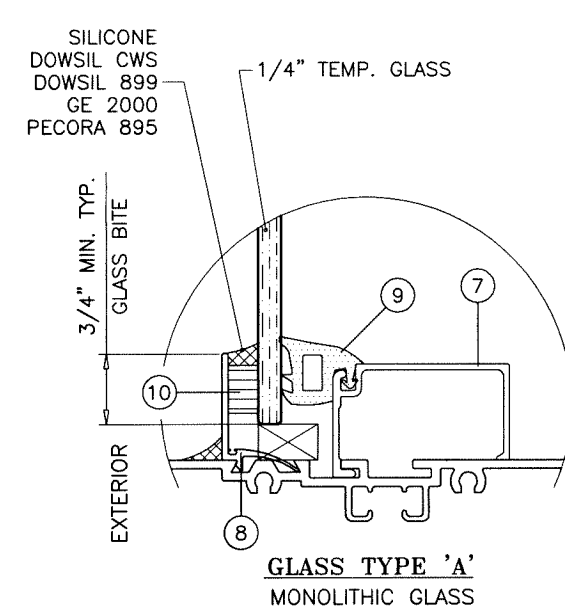
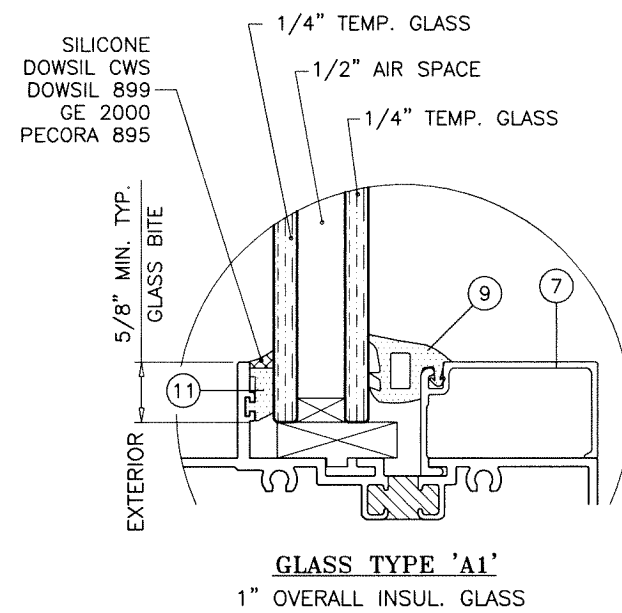
NOTE:  
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



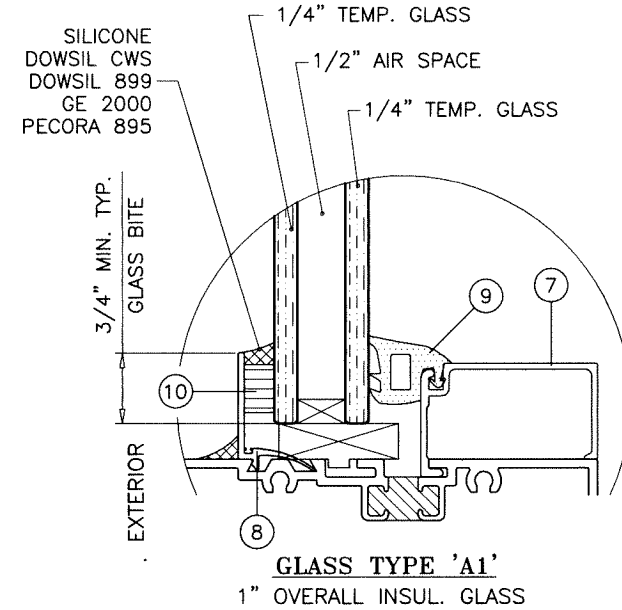
D.L.O. HEIGHT = FRAME HEIGHT - 5.5" (WINDOW WALL SYS. W/O HORIZONTALS)  
D.L.O. WIDTH = FRAME WIDTH - 5.5" (SINGLE PANEL)  
MULLION CL TO CL SPACING - 3.75" (MULTIPLE PANELS)



GLAZING OPTIONS  
INTERIOR GLAZED

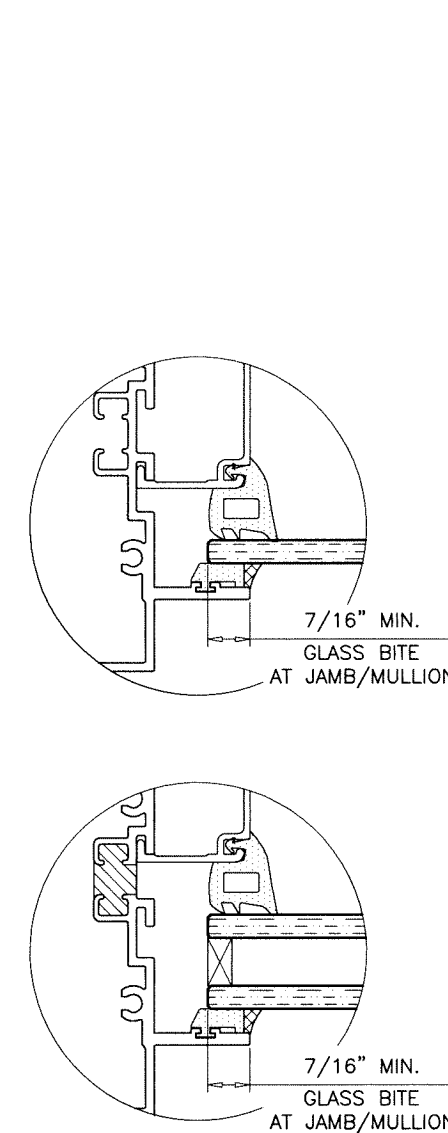


GLAZING OPTIONS  
EXTERIOR GLAZED



NOTE:  
WINDOW WALL FRAMES AT INSULATED GLASS OPTION  
MAY BE WITH OR WITHOUT THERMAL BREAK.

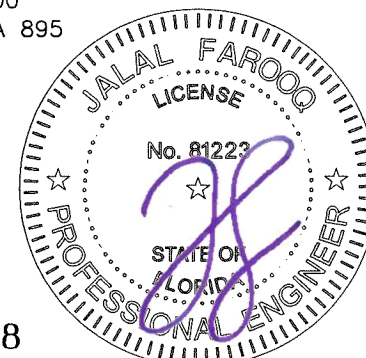
1/2" AIR SPACE CONSISTING OF:  
SPACER:  
ALUMINUM BOX SPACER AROUND  
THE PERIMETER OF THE GLASS.  
PERIMETER SEALANT:  
SILICONE  
DOWSIL CWS  
DOWSIL 899  
GE 2000  
PECORA 895



Sealed: 9/1/2026

GLASS

FL #25948



**AL-FAROOQ CORPORATION**  
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COMP-ANL\25-37F-AGP

SERIES SMI-090 ALUM WINDOW WALL (N.I.)

**Aldora Aluminum & Glass Products Inc.**  
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Coral Springs, FL. 33065  
Tel. (954) 784-6900 Fax. (954) 784-6901

| revisions: | no | date | by | description |
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date: 03-19-25

scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

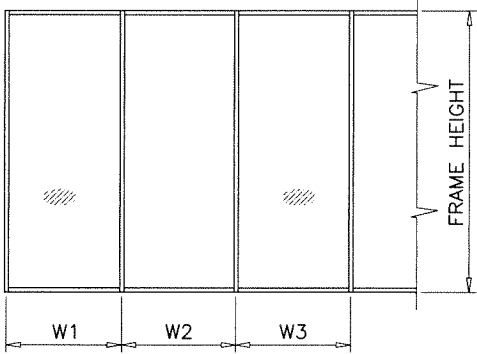
drawing no.

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sheet 2 of 10

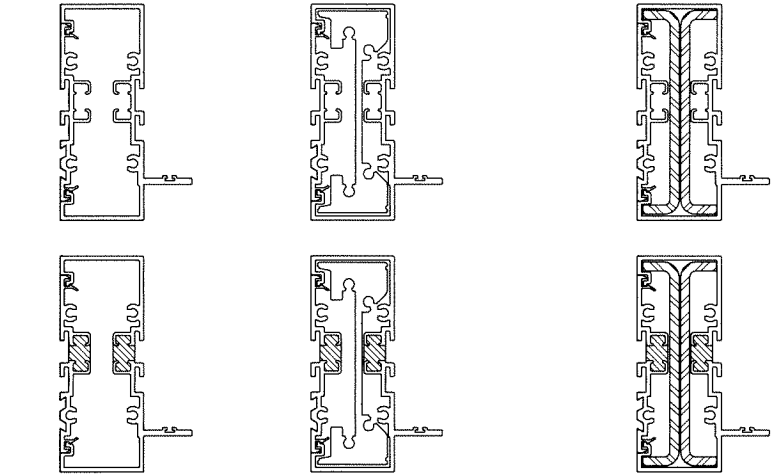
| DESIGN LOAD CAPACITY - PSF<br>JAMB/MULLION WITHOUT INTERMEDIATE HORIZONTALS |              |                      |                      |                      |
|-----------------------------------------------------------------------------|--------------|----------------------|----------------------|----------------------|
| NOMINAL DIMS.                                                               |              | JAMB 'J1'            | JAMB 'J2'            | JAMB 'J3'            |
|                                                                             |              | MULLION 'M1'         | MULLION 'M2'         | MULLION 'M3'         |
| WIDTH (W)                                                                   | FRAME HEIGHT | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |
| 30"                                                                         | 84"          | 60.0                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 48"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 54"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 60"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 30"                                                                         | 90"          | 60.0                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 48"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 54"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 60"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 96"          | 60.0                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 60.0                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | 56.5                 | 60.0                 | 60.0                 |
| 48"                                                                         |              | 50.7                 | 60.0                 | 60.0                 |
| 54"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 60"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 102"         | 60.0                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 53.4                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | 46.7                 | 60.0                 | 60.0                 |
| 48"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 54"                                                                         |              | -                    | -                    | 60.0                 |
| 60"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 108"         | 53.0                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 44.8                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | 39.0                 | 60.0                 | 60.0                 |
| 48"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 30"                                                                         | 114"         | 44.9                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 37.9                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 48"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 120"         | 38.4                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | 32.4                 | 60.0                 | 60.0                 |
| 42"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 48"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 126"         | 33.1                 | 60.0                 | 60.0                 |
| 36"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 42"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 132"         | -                    | 60.0                 | 60.0                 |
| 36"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 42"                                                                         |              | -                    | -                    | 60.0                 |
| 30"                                                                         | 138"         | -                    | 60.0                 | 60.0                 |
| 36"                                                                         |              | -                    | 60.0                 | 60.0                 |
| 30"                                                                         | 144"         | -                    | 60.0                 | 60.0                 |
| 36"                                                                         |              | -                    | 54.6                 | 60.0                 |

NOTE:  
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1  
AT FRAME JAMB

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



JAMB 'J1'

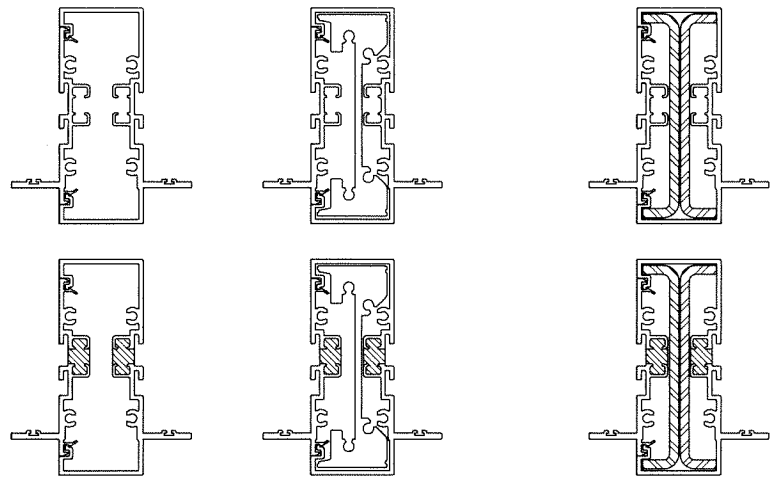
| Ix IN <sup>4</sup> | Sx IN <sup>3</sup> |
|--------------------|--------------------|
| 3.634              | 1.720              |

JAMB 'J2'

| Ix IN <sup>4</sup> | Sx IN <sup>3</sup> |
|--------------------|--------------------|
| 9.241              | 4.375              |

JAMB 'J3'

|                                 | Ix IN <sup>4</sup> | Sx IN <sup>3</sup> |
|---------------------------------|--------------------|--------------------|
| ALUMINUM                        | 3.634              | 1.720              |
| STEEL                           | 4.146              | 1.951              |
| TOTAL<br>Ix ALUM + Ix STL X 2.9 | 15.657             |                    |



MULLION 'M1'

| Ix IN <sup>4</sup> | Sx IN <sup>3</sup> |
|--------------------|--------------------|
| 3.8536             | 1.6146             |

MULLION 'M2'

| Ix IN <sup>4</sup> | Sx IN <sup>3</sup> |
|--------------------|--------------------|
| 9.4606             | 3.9639             |

MULLION 'M3'

|                                 | Ix IN <sup>4</sup> | Sx IN <sup>3</sup> |
|---------------------------------|--------------------|--------------------|
| ALUMINUM                        | 3.8536             | 1.6146             |
| STEEL                           | 3.836              | 1.8052             |
| TOTAL<br>Ix ALUM + Ix STL X 2.9 | 14.8679            |                    |



Sealed: 9/1/2026

MULLIONS

FL #25948

afc

**AL-FAROOQ CORPORATION**  
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(C.A.N. 3538)

SERIES SMI-090 ALUM WINDOW WALL (N.I.)

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4250 Coral Ridge Drive, Suite 101  
Coral Springs, FL. 33065  
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| revisions: | no | date | by | description |
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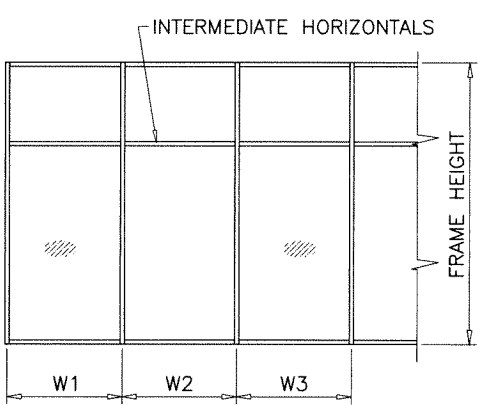
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| date: 03-19-25 | scale: - | dr. by: TARIQ | chk. by: |
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drawing no.

25-37F

sheet 3 of 10

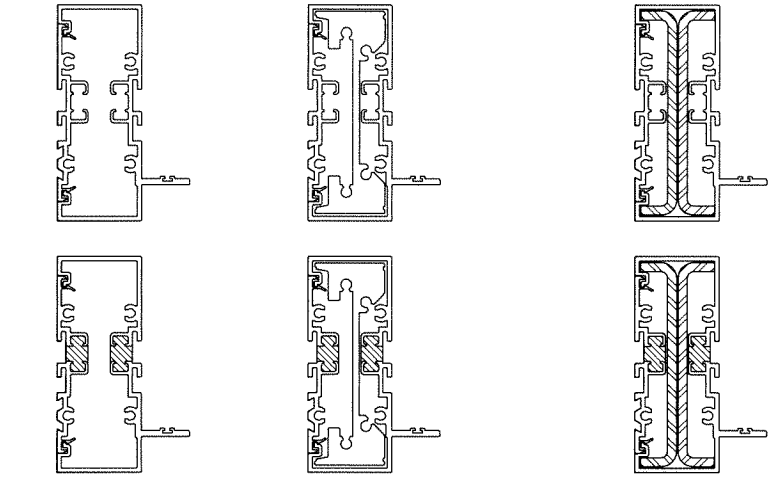
| DESIGN LOAD CAPACITY - PSF<br>JAMB/MULLION WITH INTERMEDIATE HORIZONTALS |              |                      |                      |                      |
|--------------------------------------------------------------------------|--------------|----------------------|----------------------|----------------------|
| NOMINAL DIMS.                                                            |              | JAMB 'J1'            | JAMB 'J2'            | JAMB 'J3'            |
|                                                                          |              | MULLION 'M1'         | MULLION 'M2'         | MULLION 'M3'         |
| WIDTH (W)                                                                | FRAME HEIGHT | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |
| 30"                                                                      | 78"          | 60.0                 | 60.0                 | 60.0                 |
| 36"                                                                      |              | 60.0                 | 60.0                 | 60.0                 |
| 42"                                                                      |              | 60.0                 | 60.0                 | 60.0                 |
| 48"                                                                      |              | 60.0                 | 60.0                 | 60.0                 |
| 54"                                                                      |              | 60.0                 | 60.0                 | 60.0                 |
| 60"                                                                      |              | -                    | 60.0                 | 60.0                 |
| 30"                                                                      | 84"          | 60.0                 | 60.0                 | 60.0                 |
| 36"                                                                      |              | 60.0                 | 60.0                 | 60.0                 |
| 42"                                                                      |              | 60.0                 | 60.0                 | 60.0                 |
| 48"                                                                      |              | 60.0                 | 60.0                 | 60.0                 |
| 54"                                                                      |              | 59.8                 | 60.0                 | 60.0                 |
| 60"                                                                      |              | -                    | 60.0                 | 60.0                 |
| 30"                                                                      | 90"          | 60.0                 | 60.0                 | 60.0                 |
| 36"                                                                      |              | 60.0                 | 60.0                 | 60.0                 |
| 42"                                                                      |              | 60.0                 | 60.0                 | 60.0                 |
| 48"                                                                      |              | 55.6                 | 60.0                 | 60.0                 |
| 54"                                                                      |              | -                    | 60.0                 | 60.0                 |
| 60"                                                                      |              | -                    | -                    | 60.0                 |
| 30"                                                                      | 96"          | 60.0                 | 60.0                 | 60.0                 |
| 36"                                                                      |              | 60.0                 | 60.0                 | 60.0                 |
| 42"                                                                      |              | 52.4                 | 60.0                 | 60.0                 |
| 48"                                                                      |              | 45.8                 | 60.0                 | 60.0                 |
| 54"                                                                      |              | -                    | 60.0                 | 60.0                 |
| 60"                                                                      |              | -                    | -                    | 60.0                 |
| 30"                                                                      | 102"         | 60.0                 | 60.0                 | 60.0                 |
| 36"                                                                      |              | 50.9                 | 60.0                 | 60.0                 |
| 42"                                                                      |              | 43.7                 | 60.0                 | 60.0                 |
| 48"                                                                      |              | -                    | 60.0                 | 60.0                 |
| 54"                                                                      |              | -                    | -                    | 60.0                 |
| 60"                                                                      |              | -                    | -                    | 60.0                 |
| 30"                                                                      | 108"         | 51.5                 | 60.0                 | 60.0                 |
| 36"                                                                      |              | 42.9                 | 60.0                 | 60.0                 |
| 42"                                                                      |              | 36.8                 | 60.0                 | 60.0                 |
| 48"                                                                      |              | -                    | 60.0                 | 60.0                 |
| 54"                                                                      |              | -                    | -                    | 60.0                 |
| 60"                                                                      |              | -                    | -                    | 60.0                 |
| 30"                                                                      | 114"         | 43.8                 | 60.0                 | 60.0                 |
| 36"                                                                      |              | 36.5                 | 60.0                 | 60.0                 |
| 42"                                                                      |              | -                    | 60.0                 | 60.0                 |
| 48"                                                                      |              | -                    | -                    | 60.0                 |
| 54"                                                                      |              | -                    | -                    | 60.0                 |
| 60"                                                                      |              | -                    | -                    | 60.0                 |
| 30"                                                                      | 120"         | 37.5                 | 60.0                 | 60.0                 |
| 36"                                                                      |              | 31.3                 | 60.0                 | 60.0                 |
| 42"                                                                      |              | -                    | 60.0                 | 60.0                 |
| 48"                                                                      |              | -                    | -                    | 60.0                 |
| 54"                                                                      |              | -                    | -                    | 60.0                 |
| 60"                                                                      |              | -                    | -                    | 60.0                 |
| 30"                                                                      | 126"         | 32.4                 | 60.0                 | 60.0                 |
| 36"                                                                      |              | -                    | 60.0                 | 60.0                 |
| 42"                                                                      |              | -                    | -                    | 60.0                 |
| 48"                                                                      |              | -                    | -                    | 60.0                 |
| 54"                                                                      |              | -                    | -                    | 60.0                 |
| 60"                                                                      |              | -                    | -                    | 60.0                 |
| 30"                                                                      | 132"         | -                    | 60.0                 | 60.0                 |
| 36"                                                                      |              | -                    | 60.0                 | 60.0                 |
| 42"                                                                      |              | -                    | -                    | 60.0                 |
| 48"                                                                      |              | -                    | -                    | 60.0                 |
| 54"                                                                      |              | -                    | -                    | 60.0                 |
| 60"                                                                      |              | -                    | -                    | 60.0                 |
| 30"                                                                      | 138"         | -                    | 60.0                 | 60.0                 |
| 36"                                                                      |              | -                    | 60.0                 | 60.0                 |
| 42"                                                                      |              | -                    | -                    | 60.0                 |
| 48"                                                                      |              | -                    | -                    | 60.0                 |
| 54"                                                                      |              | -                    | -                    | 60.0                 |
| 60"                                                                      |              | -                    | -                    | 60.0                 |
| 30"                                                                      | 144"         | -                    | 60.0                 | 60.0                 |
| 36"                                                                      |              | -                    | 53.3                 | 60.0                 |
| 42"                                                                      |              | -                    | -                    | 60.0                 |
| 48"                                                                      |              | -                    | -                    | 60.0                 |
| 54"                                                                      |              | -                    | -                    | 60.0                 |
| 60"                                                                      |              | -                    | -                    | 60.0                 |



WIDTH (W) = W1  
AT FRAME JAMB

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

NOTE:  
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



JAMB 'J1'

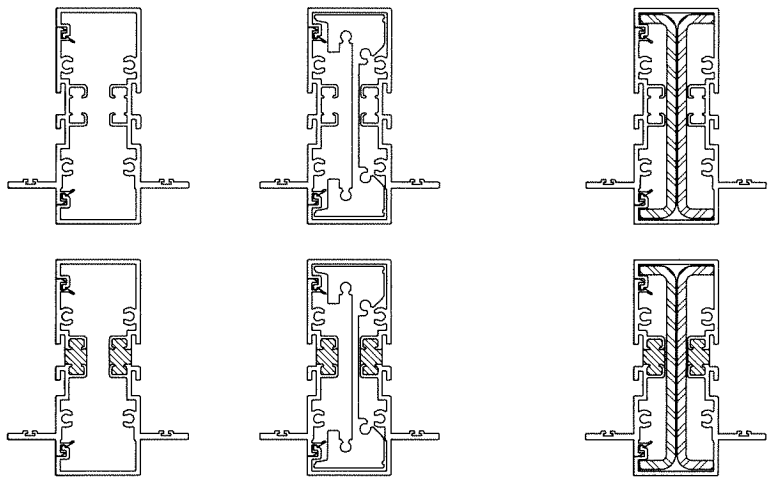
| Ix IN^4 | Sx IN^3 |
|---------|---------|
| 3.634   | 1.720   |

JAMB 'J2'

| Ix IN^4 | Sx IN^3 |
|---------|---------|
| 9.241   | 4.375   |

JAMB 'J3'

|                                 | Ix IN^4 | Sx IN^3 |
|---------------------------------|---------|---------|
| ALUMINUM                        | 3.634   | 1.720   |
| STEEL                           | 4.146   | 1.951   |
| TOTAL<br>Ix ALUM + Ix STL X 2.9 | 15.657  |         |



MULLION 'M1'

| Ix IN^4 | Sx IN^3 |
|---------|---------|
| 3.8536  | 1.6146  |

MULLION 'M2'

| Ix IN^4 | Sx IN^3 |
|---------|---------|
| 9.4606  | 3.9639  |

MULLION 'M3'

|                                 | Ix IN^4 | Sx IN^3 |
|---------------------------------|---------|---------|
| ALUMINUM                        | 3.8536  | 1.6146  |
| STEEL                           | 3.836   | 1.8052  |
| TOTAL<br>Ix ALUM + Ix STL X 2.9 | 14.8679 |         |

Sealed: 9/1/2026

MULLIONS

FL #25948



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

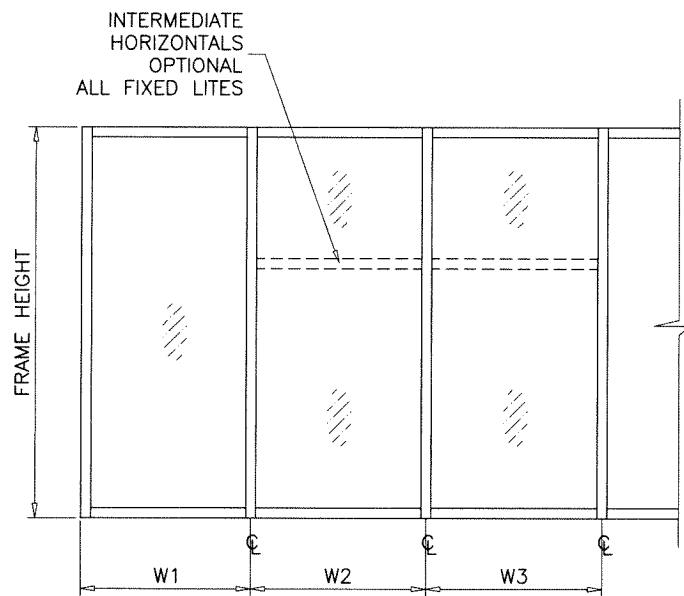
SERIES SMI-090 ALUM WINDOW WALL (N.I.)  
**Aldora Aluminum & Glass Products Inc.**  
4250 Coral Ridge Drive, Suite 101  
Coral Springs, FL. 33065  
Tel. (954) 784-6900 Fax. (954) 784-6901

| revisions: | no | date | by | description |
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dr. by: TARIQ  
chk. by:

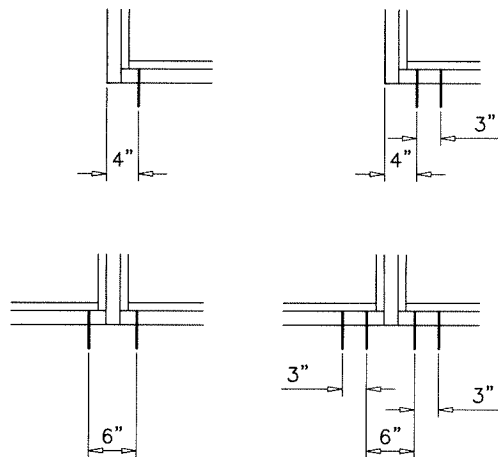
drawing no.  
**25-37F**  
sheet 4 of 10

| ANCHOR LOAD CAPACITY - PSF |              |                  |      |                  |      |                  |      |
|----------------------------|--------------|------------------|------|------------------|------|------------------|------|
| EXT.(+) & INT.(-)          |              |                  |      |                  |      |                  |      |
| NOMINAL DIMS.              |              | ANCHORS TYPE 'A' |      | ANCHORS TYPE 'B' |      | ANCHORS TYPE 'C' |      |
| WIDTH (W)                  | FRAME HEIGHT | A1               | A2   | B1               | B2   | C1               | C2   |
| 30"                        | 78"          | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 48"                        |              | 57.8             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 54"                        |              | 54.4             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 60"                        |              | 52.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 30"                        | 84"          | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 56.6             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 48"                        |              | 52.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 54"                        |              | 48.7             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 60"                        |              | 46.2             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 30"                        | 90"          | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 57.8             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 51.7             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 48"                        |              | 47.3             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 54"                        |              | 44.0             | 60.0 | 57.2             | 60.0 | 60.0             | 60.0 |
| 60"                        |              | 41.6             | 60.0 | 54.1             | 60.0 | 60.0             | 60.0 |
| 30"                        | 96"          | 60.0             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 53.3             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 47.5             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 48"                        |              | 43.3             | 60.0 | 56.3             | 60.0 | 60.0             | 60.0 |
| 54"                        |              | 40.2             | 60.0 | 52.3             | 60.0 | 59.2             | 60.0 |
| 60"                        |              | 37.8             | 60.0 | 49.2             | 60.0 | 55.7             | 60.0 |
| 30"                        | 102"         | 57.4             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 49.5             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 44.0             | 60.0 | 57.2             | 60.0 | 60.0             | 60.0 |
| 48"                        |              | 40.0             | 60.0 | 52.0             | 60.0 | 58.9             | 60.0 |
| 54"                        |              | 37.0             | 60.0 | 48.1             | 60.0 | 54.5             | 60.0 |
| 30"                        | 108"         | 53.7             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 46.2             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 41.0             | 60.0 | 53.3             | 60.0 | 60.0             | 60.0 |
| 48"                        |              | 37.1             | 60.0 | 48.3             | 60.0 | 54.7             | 60.0 |
| 30"                        | 114"         | 50.4             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 43.3             | 60.0 | 56.3             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 38.3             | 60.0 | 49.8             | 60.0 | 56.5             | 60.0 |
| 48"                        |              | 34.7             | 60.0 | 45.1             | 60.0 | 51.1             | 60.0 |
| 30"                        | 120"         | 47.5             | 60.0 | 60.0             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 40.8             | 60.0 | 53.0             | 60.0 | 60.0             | 60.0 |
| 42"                        |              | 36.0             | 60.0 | 46.8             | 60.0 | 53.1             | 60.0 |
| 48"                        |              | 32.5             | 60.0 | 42.3             | 60.0 | 47.9             | 60.0 |
| 30"                        | 126"         | 45.0             | 60.0 | 58.5             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 38.5             | 60.0 | 50.1             | 60.0 | 56.7             | 60.0 |
| 42"                        |              | 34.0             | 60.0 | 44.1             | 60.0 | 50.0             | 60.0 |
| 30"                        | 132"         | 42.7             | 60.0 | 55.5             | 60.0 | 60.0             | 60.0 |
| 36"                        |              | 36.5             | 60.0 | 47.4             | 60.0 | 53.8             | 60.0 |
| 42"                        |              | 32.1             | 60.0 | 41.8             | 60.0 | 47.3             | 60.0 |
| 30"                        | 138"         | 40.6             | 60.0 | 52.8             | 60.0 | 59.8             | 60.0 |
| 36"                        |              | 34.7             | 60.0 | 45.1             | 60.0 | 51.1             | 60.0 |
| 30"                        | 144"         | 38.7             | 60.0 | 50.3             | 60.0 | 57.0             | 60.0 |
| 36"                        |              | 33.0             | 60.0 | 42.9             | 60.0 | 48.6             | 60.0 |



WIDTH (W) = W1  
AT FRAME JAMB

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



A1, B1, C1

A2, B2, C2

**ANCHORS TYPES:**

A1 = (1) ANCHOR TYPE 'A' AT EACH SIDE OF JAMB AND MULLION  
B1 = (1) ANCHOR TYPE 'B' AT EACH SIDE OF JAMB AND MULLION  
C1 = (1) ANCHOR TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION  
B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION  
C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

WOOD BUCKS AND METAL STRUCTURE NOT BY  
'ALDORA ALUMINUM & GLASS PRODUCTS'  
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND  
TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

**TYPE 'A'**

**1/4" DIA. ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)  
THRU 1BY BUCKS INTO CONC. OR BLOCKS  
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)  
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

**ANCHOR EDGE DISTANCES**

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.  
INTO WOOD STRUCTURE = 1" MIN.

**TYPE 'B'**

**1/4" DIA. ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI)  
DIRECTLY INTO CONCRETE OR BLOCKS  
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)  
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

**ANCHOR EDGE DISTANCES**

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.

**TYPE 'C'**

**#14 SMS OR SELF DRILLING SCREWS** (GRADE 2 CRS)  
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)  
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS  
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)  
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

**ANCHOR EDGE DISTANCES**

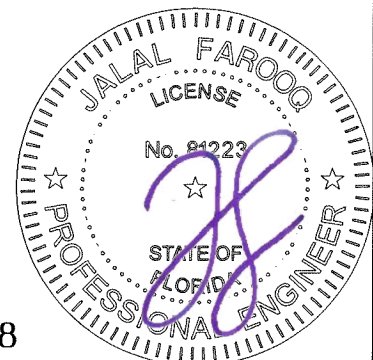
INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.  
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.  
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

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ANCHORS

FL #25948



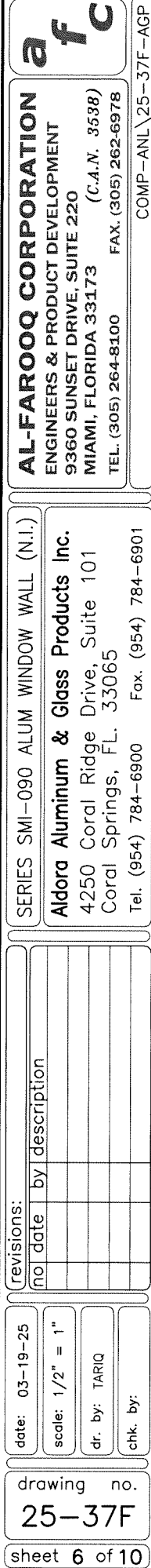
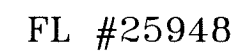
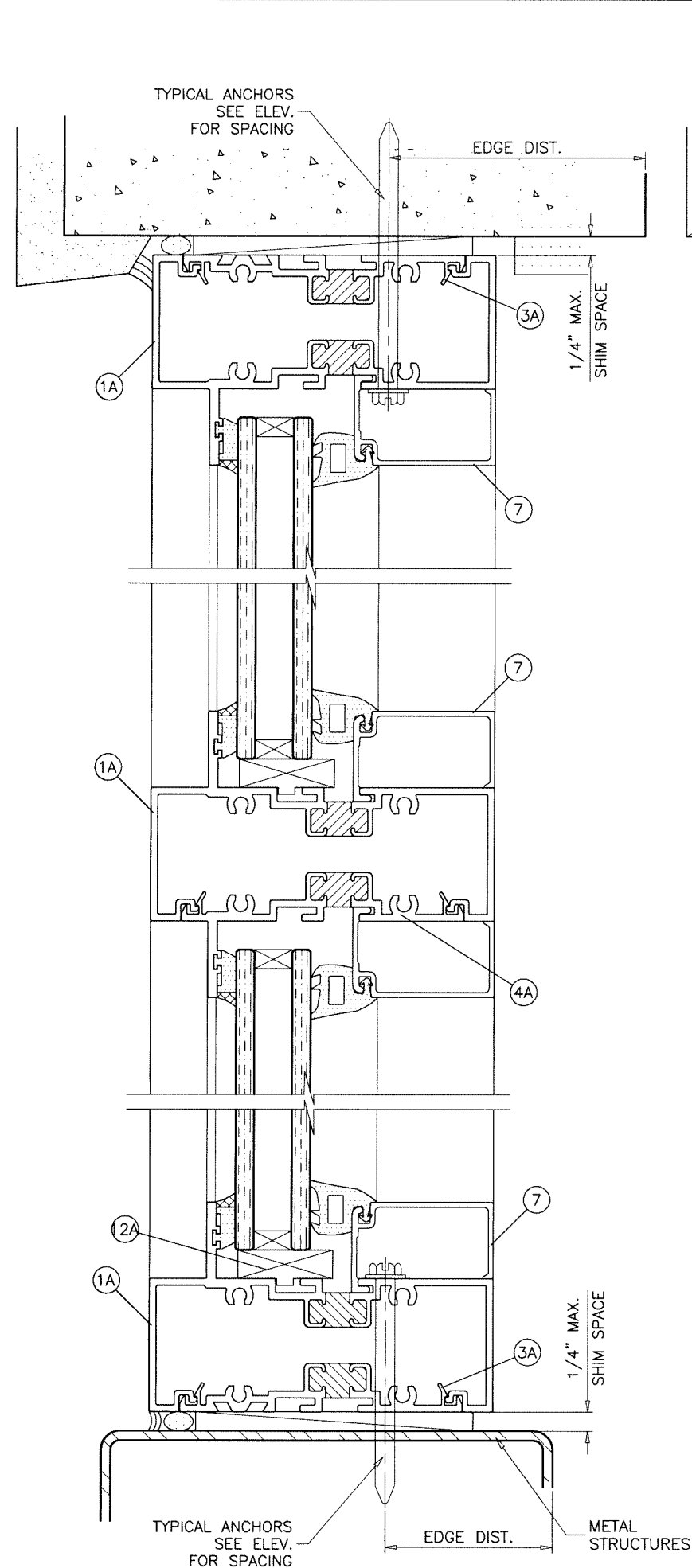
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173 (C.A.N. 3538)  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL 25-37F-AGP

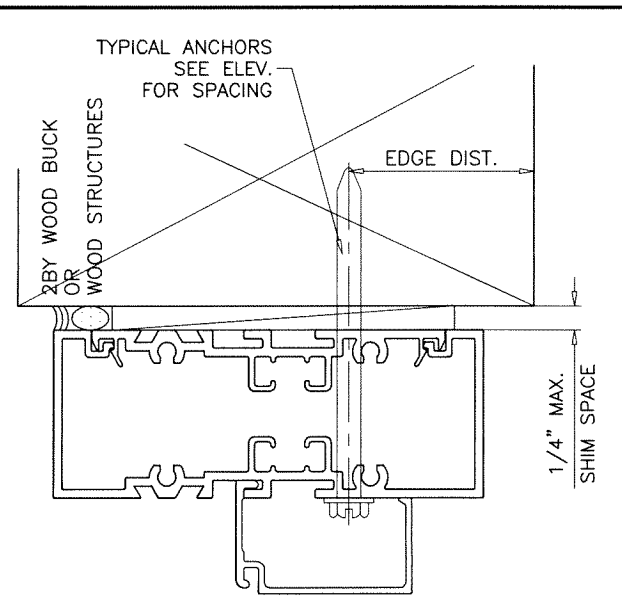
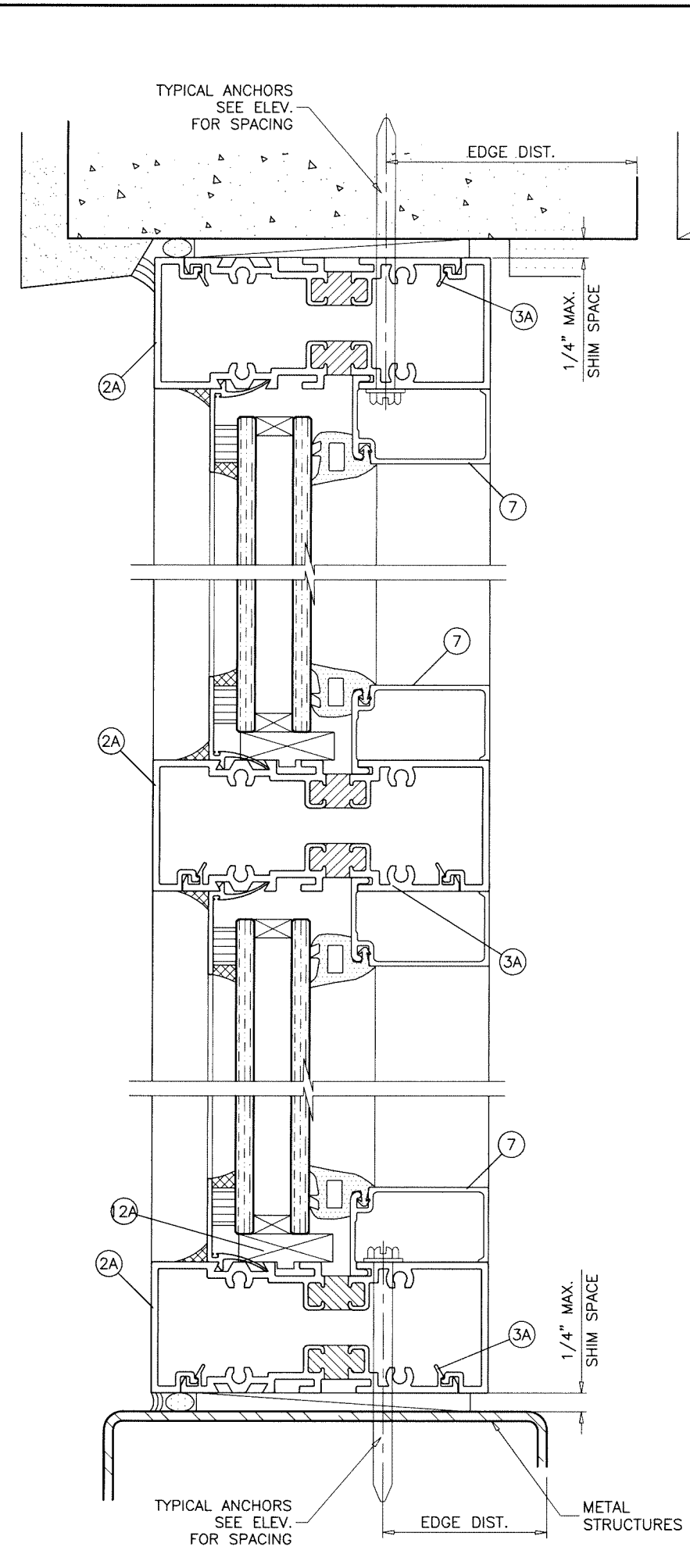
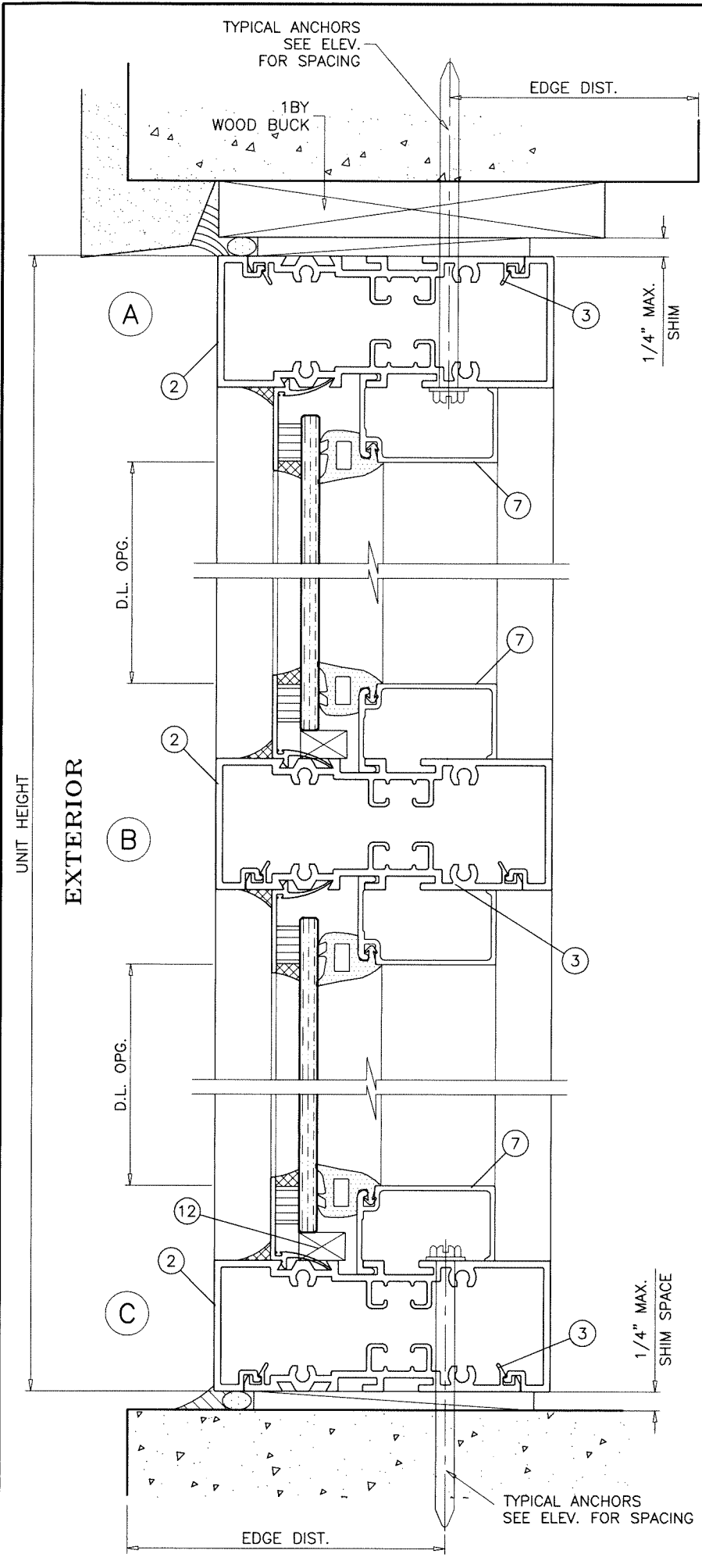
SERIES SMI-090 ALUM WINDOW WALL (N.I.)  
**Aldora Aluminum & Glass Products Inc.**  
4250 Coral Ridge Drive, Suite 101  
Coral Springs, FL 33065  
Tel. (954) 784-6900 Fax. (954) 784-6901

| revisions: | no | date | by | description |
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chk. by:

drawing no.  
**25-37F**  
sheet 5 of 10

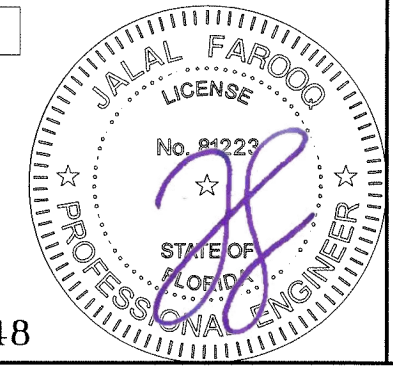




EXTERIOR GLAZED

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FL #25948



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Coral Springs, FL 33065  
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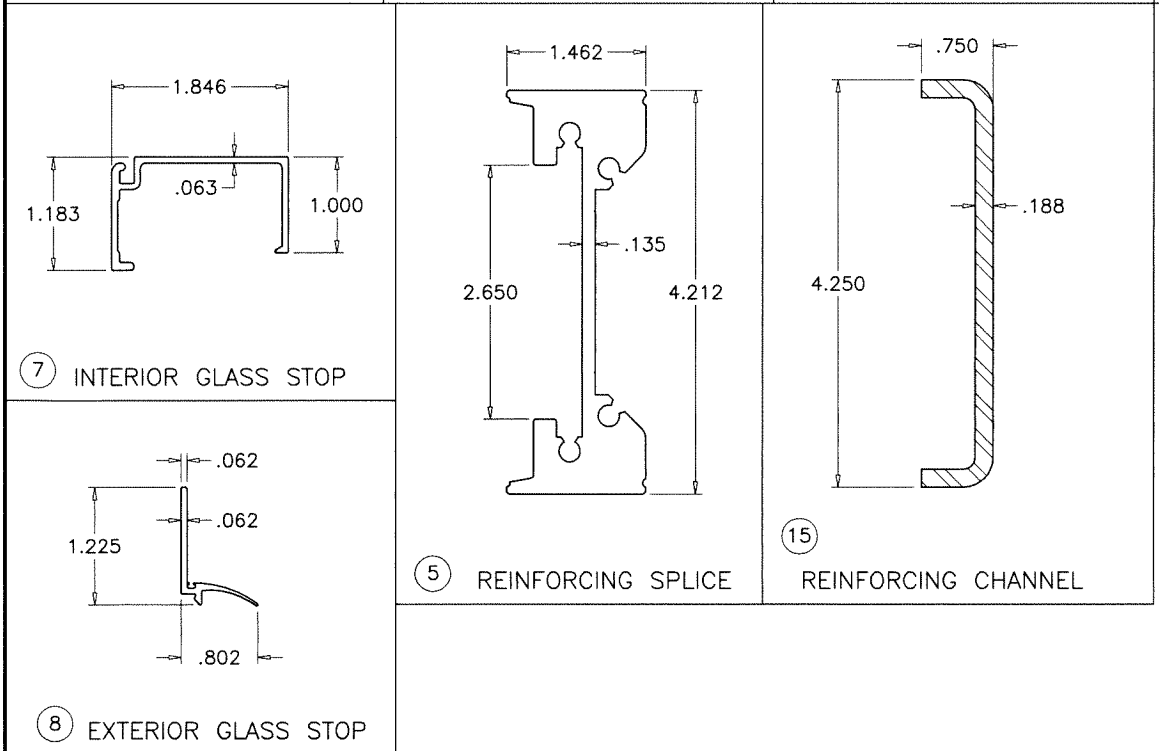
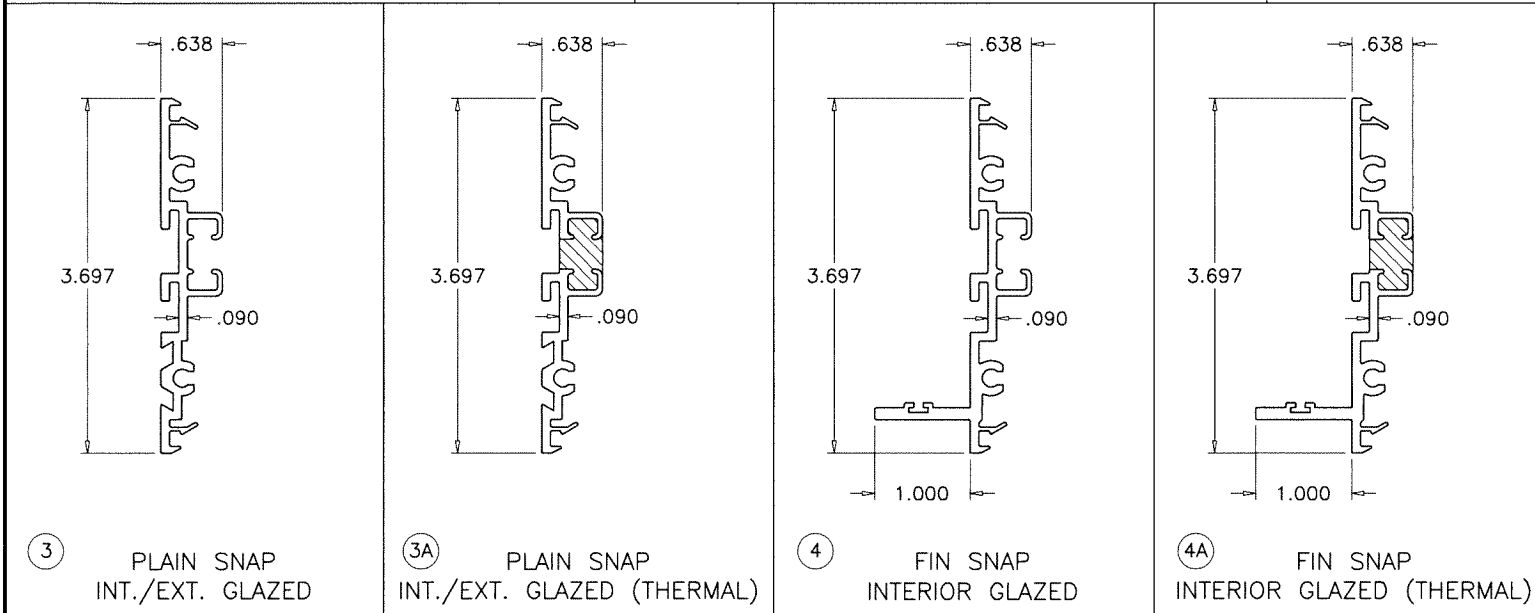
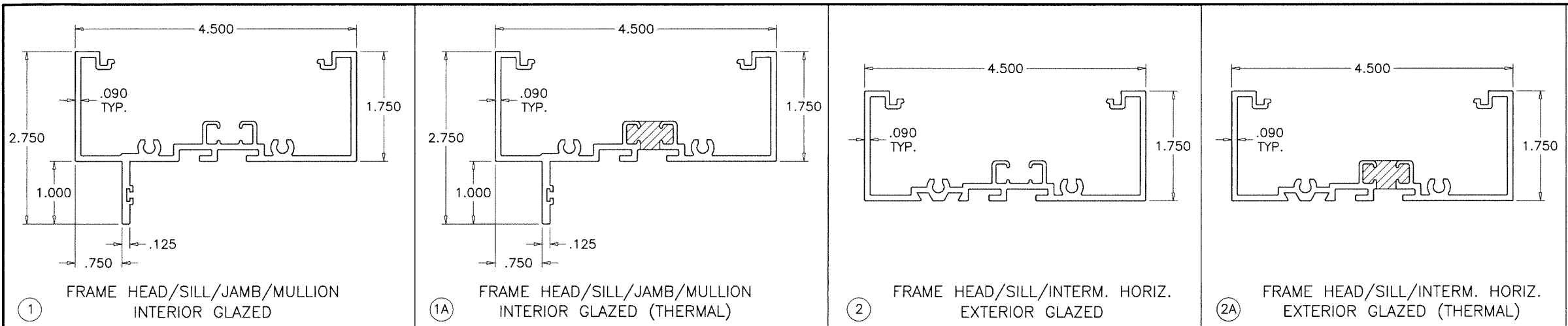
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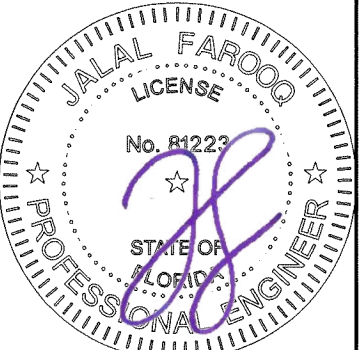
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FL #25948



**AL-FAROOQ CORPORATION**  
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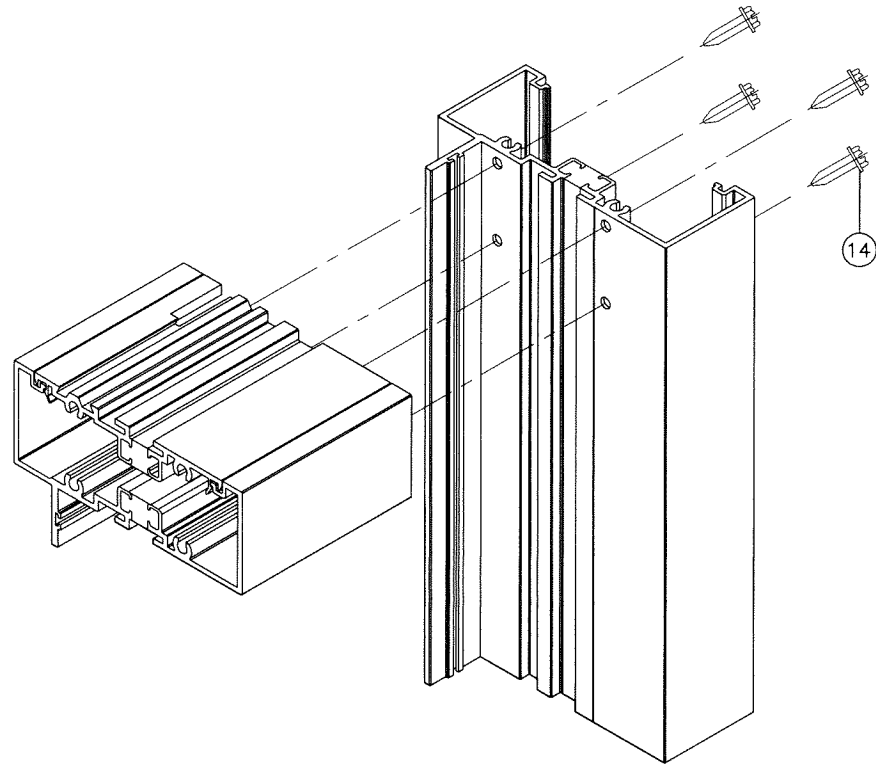
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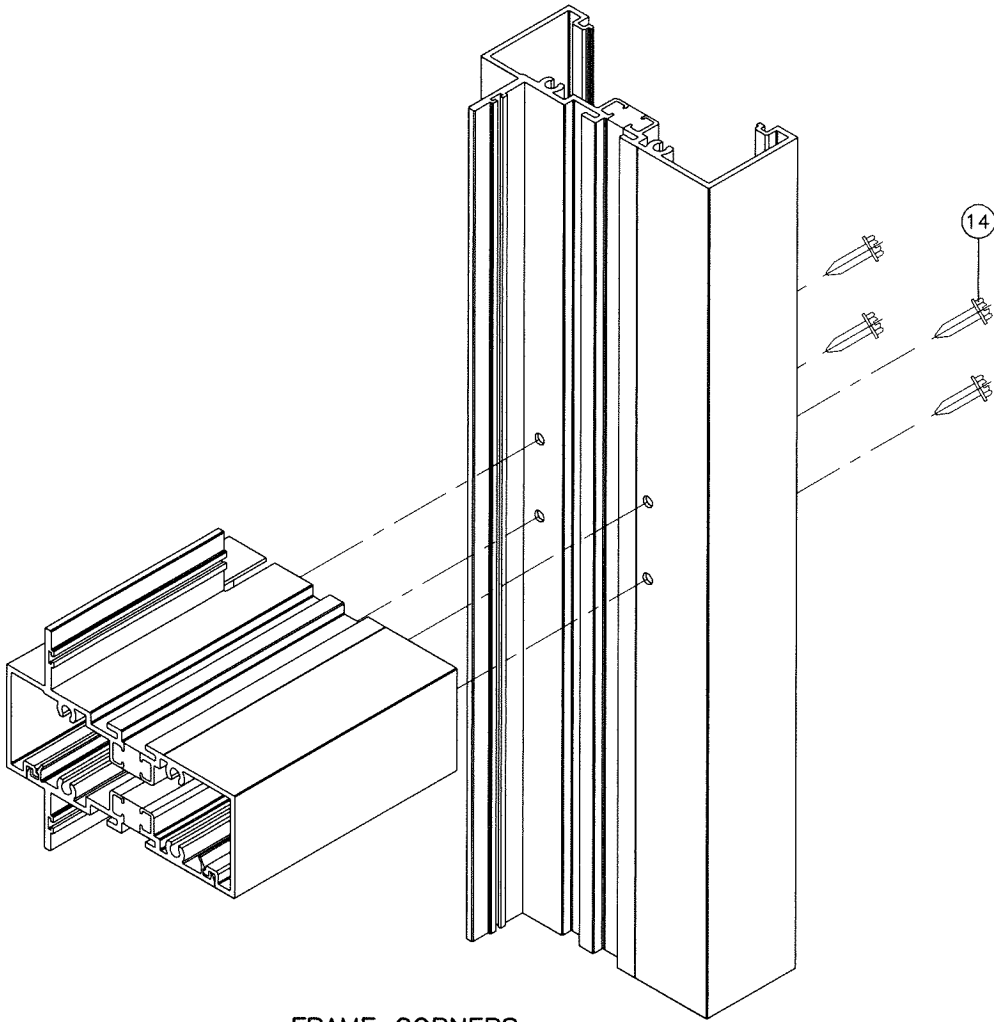
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sheet 9 of 10



| ITEM # | PART #       | QUANTITY  | DESCRIPTION                                                            | MATERIAL   | MANF./SUPPLIER/REMARKS   |
|--------|--------------|-----------|------------------------------------------------------------------------|------------|--------------------------|
| 1      | SMI-091      | AS REQD.  | INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION                               | 6063-T6    | SMI SYSTEMS              |
| 1A     | SMI-091T     | AS REQD.  | INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION (POUR & DEBRIDGE)             | 6063-T6    | SMI SYSTEMS              |
| 2      | SMI-098      | AS REQD.  | EXT. GLAZED FRAME HEAD/SILL/INTERM. HORIZ.                             | 6063-T6    | SMI SYSTEMS              |
| 2A     | SMI-098T     | AS REQD.  | EXT. GLAZED FRAME HEAD/SILL/INTERM. HORIZ. (POUR & DEBRIDGE)           | 6063-T6    | SMI SYSTEMS              |
| 3      | SMI-094      | AS REQD.  | INT./EXT. GLAZED PLAIN SNAP                                            | 6063-T6    | SMI SYSTEMS              |
| 3A     | SMI-094T     | AS REQD.  | INT./EXT. GLAZED PLAIN SNAP (POUR & DEBRIDGE)                          | 6063-T6    | SMI SYSTEMS              |
| 4      | SMI-093      | AS REQD.  | INT./EXT. GLAZED FIN SNAP                                              | 6063-T6    | SMI SYSTEMS              |
| 4A     | SMI-093T     | AS REQD.  | INT./EXT. GLAZED FIN SNAP (POUR & DEBRIDGE)                            | 6063-T6    | SMI SYSTEMS              |
| 5      | SMI-095      | AS REQD.  | REINFORCING SPLICE                                                     | 6005-T5    | SMI SYSTEMS              |
| 7      | SMI-092      | AS REQD.  | INTERIOR GLASS STOP                                                    | 6063-T6    | SMI SYSTEMS              |
| 8      | SMI-097      | AS REQD.  | EXTERIOR GLASS STOP                                                    | 6063-T6    | SMI SYSTEMS              |
| 9      | SMI-G08      | AS REQD.  | INTERIOR GASKET (DUROMETER 70±5)                                       | EPDM       | CENTRAL PLASTICS INC.    |
| 10     | SMI-G02      | AS REQD.  | SINGLE FACE TAPE (3/8" X 1/2")                                         | VINYL FOAM | FRANK LOWE               |
| 11     | SMI-G07      | AS REQD.  | EXTERIOR GASKET (DUROMETER 70±5)                                       | EPDM       | CENTRAL PLASTICS INC.    |
| 12     | SMI-SB06     | 2/ LITE   | SETTING BLOCK MONOLITHIC GLASS (3/8" X 5/8" X 4" LG.) (DUROMETER 85±5) | EPDM       | CENTRAL PLASTICS INC.    |
| 12A    | SMI-SB04     | 2/ LITE   | SETTING BLOCK INSUL. GLASS (3/8" X 1-1/4" X 4" LG.) (DUROMETER 85±5)   | EPDM       | CENTRAL PLASTICS INC.    |
| 13     | SMI-P04      | AS REQD.  | THERMAL BRAKE SPACER FOR ALUM SPLICE                                   | RIGID PVC  | CENTRAL PLASTICS INC.    |
| 14     | #12 X 1-1/2" | 4/ CORNER | FRAME ASSEMBLY SCREWS                                                  | ST. STEEL  | HEX. HEAD MACHINE SCREWS |
| 15     | -            | AS REQD.  | REINFORCING CHANNEL (36 KSI MIN.)                                      | STEEL      | -                        |

SEALANTS:

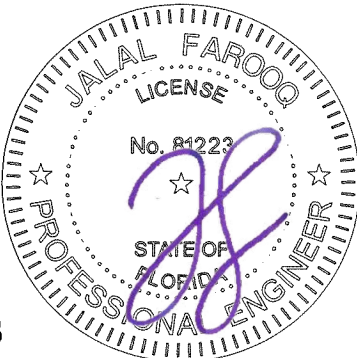
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME TO BE SEALED WITH DOW CORNING CWS, GE 2000 OR PECORA 895 SILICONE SEALANT.



FRAME CORNERS

Sealed: 9/1/2026

FL #25948



**a f c**

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
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revisions:  
no date by description

date: 03-19-25  
scale: 1/2" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**25-37F**  
sheet 10 of 10

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