## SERIES 8000 ALUMINUM WINDOW WALL SYSTEM

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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 HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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

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

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

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.

## **INSTRUCTIONS:**

USE CHARTS AS FOLLOWS.

- DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2 SEE CHARTS ON SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3 CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 4 & 5 FOR WINDOW WALL MULLION AND SHEETS 8 THRU 10 FOR DOOR MULLION THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4 CHECK ANCHOR CAPACITY FOR WINDOW WALL SYSTEM USING CHARTS ON SHEETS 7 FOR DOOR MULLION ANCHOR CAPACITY SEE CHART ON SHEETS 11 & 12. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 5 THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

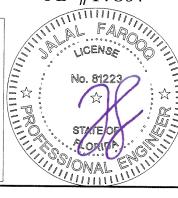
THIS SYSTEM IS RATED FOR SMALL MISSILE IMPACT. F.B.C. APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

> WINDOW WALL SYSTEM WITH GLASS TYPE 'B' ONLY COMPLY WITH REQUIREMENTS OF ANSI Z97.1.

> > LAMINATED GLASS SMALL MISSILE IMPACT

Sealed: 7/25/2023 FL #17897

- 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.
- 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.



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

LLC WINDOWS, N.W. 49 STR FL. 33142 305) 638–5151

8000 ALUMINUM WINDOW WALL E.S. WI 3550 N.V MIAMI, FL TEL. (305) SERIES

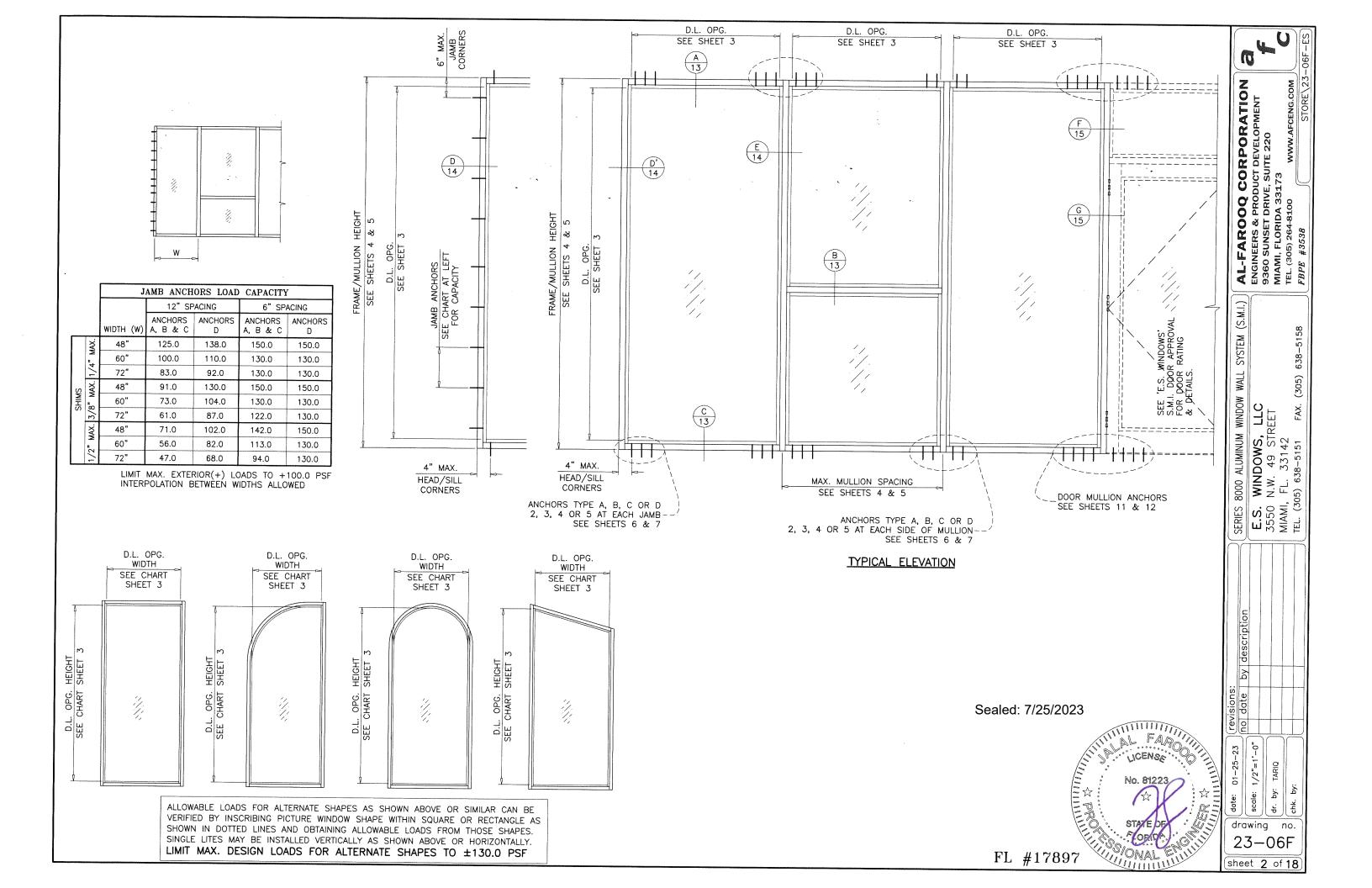
SYSTEM

RE & 5.1 FBC by description CHART SHEET 4. UPDATED TO 202 visions: date | 04.24.23 07.25.23 B > 0 €

1/2"=1'-0" TARIQ by: scale: ģ.

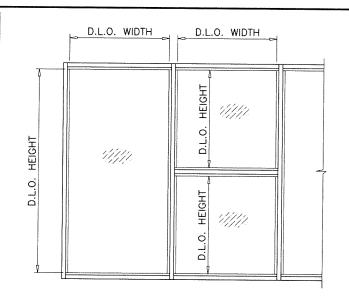
drawing no. 23-06F

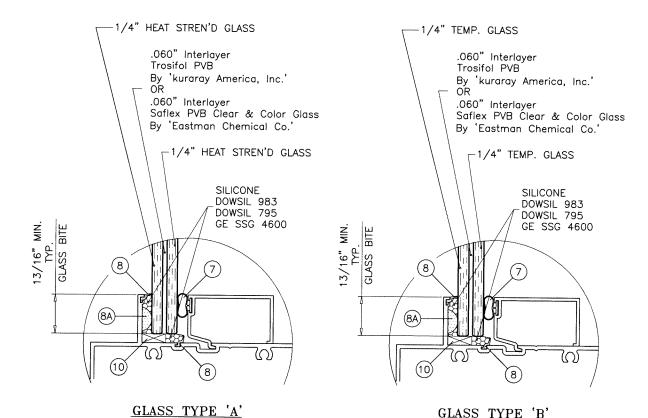
sheet 1 of 18



|              | GLASS LOA     | 1       |          | PSF     |          |
|--------------|---------------|---------|----------|---------|----------|
| NOMIN        | AL DIMS.      | GLASS   | TYPE 'A' | GLASS   | TYPE 'B' |
| D.L.O. WIDTH | D.L.O. HEIGHT | EXT.(+) | INT.(-)  | EXT.(+) | INT.(-)  |
| 26-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 32-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 38-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 44-1/4"      | 72-1/2"       | 100.0   | 130.0    | 100.0   | 150.0    |
| 50-1/4"      | /2 1/2        | 100.0   | 130.0    | 88.9    | 133.3    |
| 56-1/4"      |               | 100.0   | 130.0    | 80.0    | 120.0    |
| 62-1/4"      |               | 90.9    | 118.2    | 72.7    | 109.1    |
| 68-1/4"      |               | 83.3    | 108.3    | 66.7    | 100.0    |
| 26-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 32-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 38-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 44-1/4"      | 78_1 /2"      | 100.0   | 130.0    | 100.0   | 150.0    |
| 50-1/4"      | 78-1/2"       | 100.0   | 130.0    | 88.9    | 133.3    |
| 56-1/4"      |               | 100.0   | 130.0    | 80.0    | 120.0    |
| 62-1/4"      |               | 90.9    | 118.2    | 72.7    | 109.1    |
| 68-1/4"      |               | 60.0    | 60.0     | _       | _        |
| 26-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 32-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 38-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 44-1/4"      | 94 1/0"       | 100.0   | 130.0    | 100.0   | 150.0    |
| 50-1/4"      | 84-1/2"       | 100.0   | 130.0    | 88.9    | 133.3    |
| 56-1/4"      |               | 100.0   | 130.0    | 80.0    | 120.0    |
| 62-1/4"      |               | 65.5    | 65.5     | _       |          |
| 68-1/4"      |               | 60.0    | 60.0     | _       |          |
| 26-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 32-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 38-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 44-1/4"      | 00 1/2"       | 100.0   | 130.0    | 100.0   | 150.0    |
| 50-1/4"      | 90-1/2"       | 100.0   | 130.0    | 88.9    | 133.3    |
| 56-1/4"      |               | 100.0   | 130.0    | 80.0    | 120.0    |
| 62-1/4"      |               | 65.5    | 65.5     | _       |          |
| 68-1/4"      |               | 60.0    | 60.0     | _       |          |
| 26-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 32-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 38-1/4"      | 00 . /- "     | 100.0   | 130.0    | 100.0   | 150.0    |
| 44-1/4"      | 96-1/2"       | 100.0   | 130.0    | 100.0   | 150.0    |
| 50-1/4"      | Ī             | 100.0   | 130.0    | 88.9    | 133.3    |
| 56-1/4"      |               | 72.0    | 72.0     | -       | - 1      |
| 62-1/4"      |               | 65.5    | 65.5     | -       | -        |
| 26-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 32-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 38-1/4"      | 400 : (5"     | 100.0   | 130.0    | 100.0   | 150.0    |
| 44-1/4"      | 102-1/2"      | 100.0   | 130.0    | 100.0   | 150.0    |
| 50-1/4"      |               | 80.0    | 80.0     | _       |          |
| 56-1/4"      |               | 72.0    | 72.0     | -       |          |
| 26-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 32-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 38-1/4"      |               | 100.0   | 130.0    | 100.0   | 150.0    |
| 44-1/4"      | 108-1/2"      | 100.0   | 130.0    | 100.0   | 150.0    |
| 50-1/4"      |               | 80.0    | 80.0     | _       | _        |
| 56-1/4"      | F             | 72.0    | 72.0     | _       |          |

|   | GLASS LOAD CAPACITY - PSF |               |         |          |         |          |  |  |  |  |
|---|---------------------------|---------------|---------|----------|---------|----------|--|--|--|--|
| • | NOMIN                     | AL DIMS.      | GLASS 1 | TYPE 'A' | GLASS 7 | TYPE 'B' |  |  |  |  |
|   | D.L.O. WIDTH              | D.L.O. HEIGHT | EXT.(+) | INT.(-)  | EXT.(+) | INT.(-)  |  |  |  |  |
|   | 26-1/4"                   |               | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 32-1/4"                   |               | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 38-1/4"                   | 114-1/2"      | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 44-1/4"                   |               | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 50-1/4"                   |               | 80.0    | 80.0     | _       | _        |  |  |  |  |
|   | 26-1/4"                   |               | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 32-1/4"                   | 120-1/2"      | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 38-1/4"                   |               | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 44-1/4"                   |               | 90.0    | 90.0     | _       |          |  |  |  |  |
|   | 50-1/4"                   |               | 80.0    | 80.0     | _       | _        |  |  |  |  |
|   | 26-1/4"                   |               | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 32-1/4"                   | 126-1/2"      | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 38-1/4"                   | 120-1/2       | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 44-1/4"                   |               | 90.0    | 90.0     | _       | _        |  |  |  |  |
|   | 26-1/4"                   |               | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 32-1/4"                   | 132-1/2"      | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 38-1/4"                   | 102 1/2       | 90.0    | 90.0     | _       | _        |  |  |  |  |
|   | 44-1/4"                   |               | 90.0    | 90.0     | _       |          |  |  |  |  |
|   | 26-1/4"                   |               | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 32-1/4"                   | 138-1/2"      | 100.0   | 130.0    | 100.0   | 150.0    |  |  |  |  |
|   | 38-1/4"                   | 130-1/2       | 90.0    | 90.0     | _       | -        |  |  |  |  |
| l | 44-1/4"                   |               | 90.0    | 90.0     | -       | -        |  |  |  |  |





GLAZING OPTIONS

GLASS

Sealed: 7/25/2023

FL #17897

E.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638-5151 FAX. (305) 638-5158

by description

revisions:

dr. by: TARIQ

scale: date:

drawing no.

23-06F

sheet 3 of 18

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

| MULLION LOAD CAPACITY - PSF  JAMB & MULLION WITHOUT INTERMEDIATE HORIZONTALS |              |                      |                      |                      |                      |                      |
|--|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| NOMIN  | AL DIMS.     | JAMB 'J2'            | MULL 'M1'            | MULL 'M2'            | MULL 'M3'            | MULL 'M4'            |
| WIDTH (W)  | FRAME HEIGHT | EXT. (+)<br>INT. (-) |
| 30"  |              | 130.0                | 130.0                | 130.0                | 130.0                | 130.0                |
| 36"  |              | 130.0                | 130.0                | 130.0                | 130.0                | 130.0                |
| 42"  |              | 130.0                | 130.0                | 130.0                | 130.0                | 130.0                |
| 48"  |              | 130.0                | 130.0                | 130.0                | 130.0                | 130.0                |
| 54"  | 90"          | 130.0                | 122.9                | 130.0                | 130.0                | 130.0                |
| 60"  |              | 130.0                | 114.9                | 130.0                | 130.0                | 130.0                |
| 66"  |              | _                    | _                    | _                    | _                    | 90.0                 |
| 72"  |              | <u> </u>             | _                    | ***                  | _                    | 90.0                 |
| 30"  |              | 130.0                | 130.0                | 130.0                | 130.0                | 130.0                |
| 36"  |              | 130.0                | 130.0                | 130.0                | 130.0                | 130.0                |
| 42"  |              | 130.0                | 121.1                | 130.0                | 130.0                | 130.0                |
| 48"  |              | 130.0                | 108.6                | 130.0                | 130.0                | 130.0                |
| 54"  | 96"          | 130.0                | 99.4                 | 130.0                | 125.6                | 130.0                |
| 60"  |              | 130.0                | 92.4                 | 130.0                | 116.3                | 130.0                |
| 66"  |              |                      | -                    | -                    | - 110.5              | 90.0                 |
| 72"  |              |                      |                      |                      | -                    | 90.0                 |
| 30"  |              | 130.0                | 130.0                | 130.0                | 130.0                |                      |
| 36"  |              | 130.0                | 114.5                | 130.0                | 130.0                | 130.0                |
| 42"  |              | 130.0                | 100.0                | 130.0                |                      | 130.0                |
| 48"  | -            | 130.0                | 89.5                 |                      | 130.0                | 130.0                |
| 54"  | 102"         | 130.0                | 81.6                 | 130.0                | 120.9                | 130.0                |
| 56"  | -            |                      |                      | 130.0                | 109.8                | 130.0                |
| 60"  |              | 130.0                | 79.4                 | 127.7                | 106.7                | 128.2                |
| 66"  |              | _                    |                      | -                    |                      | 90.0                 |
| 30"  |              | 470.0                |                      |                      |                      | 90.0                 |
|  | -            | 130.0                | 113.5                | 130.0                | 130.0                | 130.0                |
| 36"  |              | 130.0                | 95.9                 | 130.0                | 130.0                | 130.0                |
| 42"  | 100"         | 130.0                | 83.6                 | 130.0                | 120.3                | 130.0                |
| 48"  | 108"         | 130.0                | 74.6                 | 120.0                | 107.0                | 128.5                |
| 53"  |              | 130.0                | 68.8                 | 110.7                | 98.4                 | 118.2                |
| 54"  | Ė            | -                    | -                    | -                    |                      | 90.0                 |
| 60"  |              |                      |                      | -                    |                      | 90.0                 |
| 30"  |              | 130.0                | 96.2                 | 130.0                | 130.0                | 130.0                |
| 36"  | -            | 130.0                | 81.2                 | 130.0                | 123.8                | 130.0                |
| 42"  | 444"         | 130.0                | 70.6                 | 113.6                | 107.4                | 129.1                |
| 48"  | 114"         | 130.0                | 62.9                 | 101.1                | 95.3                 | 114.5                |
| 50"  |              | 130.0                | 60.8                 | 97.7                 | 92.0                 | 110.5                |
| 54"  | _            | _                    | _                    |                      |                      | 90.0                 |
| 60"  |              |                      |                      |                      |                      | 90.0                 |
| 30"  |              | 130.0                | 82.3                 | 130.0                | 130.0                | 130.0                |
| 36"  | _            | 130.0                | 69.3                 | 111.5                | 111.4                | 130.0                |
| 42"  | 120"         | 130.0                | 60.2                 | 96.9                 | 96.5                 | 116.0                |
| 48"  |              | 130.0                | 53.5                 | 86.1                 | 85.5                 | 102.8                |
| 54"  |              | 90.0                 |                      | -                    | 77.5                 | 90.0                 |
| 30"  |              | 90.0                 | _                    |                      | 90.0                 | 90.0                 |
| 36"  |              | 90.0                 | _                    | -                    | 90.0                 | 90.0                 |
| 42"  | 126"         | 90.0                 | -                    | -                    | 87.6                 | 90.0                 |
| 48"  |              | 90.0                 | -                    | -                    | 77.5                 | 90.0                 |
| 54"  |              | 90.0                 | _                    | _                    | 69.8                 | 83.5                 |

|           | MULLION LOAD CAPACITY - PSF  JAMB & MULLION WITHOUT INTERMEDIATE HORIZONTALS |                      |                      |                      |                      |                      |               |  |  |
|-----------|--|----------------------|----------------------|----------------------|----------------------|----------------------|---------------|--|--|
| NOMIN     | NOMINAL DIMS. JAMB 'J2' MULL 'M1' MULL 'M2' MULL 'M3' MULL 'M4'              |                      |                      |                      |                      |                      |               |  |  |
| WIDTH (W) | FRAME HEIGHT   | EXT. (+)<br>INT. (–) | EXT. (+)<br>INT. (–) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | ALLOWED.      |  |  |
| 30"       |  | 90.0                 | ***                  | _                    | 90.0                 | 90.0                 | 12            |  |  |
| 36"       | 132"   | 90.0                 | -                    | _                    | 90.0                 | 90.0                 | 1             |  |  |
| 42"       | 102  | 90.0                 | _                    | -                    | 79.5                 | 90.0                 | WIDTHS        |  |  |
| 48"       |  | 90.0                 | -                    |                      | 70.3                 | 84.1                 | ₹             |  |  |
| 30"       |  | 90.0                 | -                    |                      | 90.0                 | 90.0                 | Z             |  |  |
| 36"       |  | 90.0                 | -                    |                      | 84.0                 | 90.0                 | WE            |  |  |
| . 42"     | 138"   | 90.0                 | _                    | -                    | 72.6                 | 86.8                 | BETWEEN       |  |  |
| 48"       |  | 90.0                 | _                    | _                    | 64.1                 | 76.7                 | z             |  |  |
| 30"       |  | 90.0                 | _                    | _                    | 90.0                 | 90.0                 | VTI0          |  |  |
| 36"       | 144"   | 90.0                 | -                    | -                    | 77.0                 | 90.0                 | 9             |  |  |
| 42"       |  | 90.0                 | -                    |                      | 66.5                 | 79.5                 | INTERPOLATION |  |  |
| 48"       |  | 90.0                 | _                    | _                    | 58.7                 | 70.2                 | N             |  |  |

11/1/2 111111 11/10 W1 W3

WIDTH (W) = W1 AT FRAME JAMB

W2 + W3WIDTH (W) =AT FRAME MULLION

NOTE: LIMIT MAXIMUM EXTERIOR(+) LOADS TO 100.0 PSF

SERIES 8000 ALUMINUM WINDOW WALL SYSTEM (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

638-5158

revisions: no date by description

 Ix
 IN^4
 Sx
 IN^3

 6.7195
 2.6757

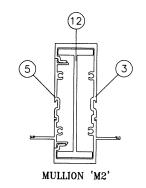
 3.7533
 1.668

MULLION 'M4'

drawing no. 23-06F sheet 4 of 18

MULLIONS FL #17897

| 6 3                                  | 5                                | (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4 |
|--------------------------------------|----------------------------------|--|
| JAMB 'J2'                            | MULLION 'M1'                     | MULLION 'M2'                                   |
| Ix IN^4   Sx IN^3   10.6486   4.4452 | Ix IN^4 Sx IN^3<br>6.7195 2.6757 | Ix IN^4 Sx IN^3<br>10.8072 3.7590              |



MULLION 'M3'

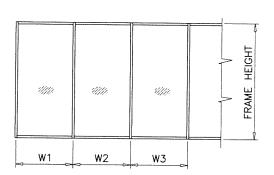
ALUMINUM 6.7195
STEEL 2.7506
TOTAL

|x ALUM + |x STL x 2.9 | 14.6962

Ix IN^4 Sx IN^3 6.7195 2.6757 ALUMINUM 2.7506 1.2225 STEEL TOTAL
|x ALUM + |x STL X 2.9 | 17.6047

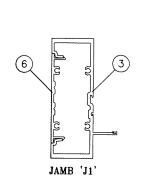
Sealed: 7/25/2023

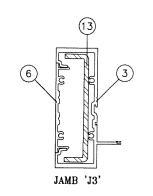
|           | IB & MULLI   |                      | CAPACITY INTERMEDI   |                      | NTALS                |
|-----------|--------------|----------------------|----------------------|----------------------|----------------------|
| NOMIN     | AL DIMS.     | JAMB 'J1'            | JAMB 'J3'            | MULL 'M5'            | MULL 'M6'            |
| WIDTH (W) | FRAME HEIGHT | EXT. (+)<br>INT. (–) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |
| 30"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 36"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 42"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 48"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 54"       | 90"          | 130.0                | 150.0                | 150.0                |                      |
| 60"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 66"       |              | - 100.0              | 90.0                 |                      | 150.0                |
| 72"       |              | _                    | 90.0                 | 90.0                 | 90.0                 |
| 30"       |              | 130.0                | 150.0                | 150.0                | 90.0                 |
| 36"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 42"       | ·            | 130.0                | 150.0                | 150.0                | 150.0                |
| 48"       | ł            | 130.0                | 150.0                | 150.0                | 150.0                |
| 54"       | 96"          | 130.0                | 150.0                | 150.0                | 150.0                |
| 60"       | ŀ            | 130.0                | 150.0                |                      | 150.0                |
| 66"       | ŀ            |                      | 90.0                 | 150.0                | 150.0                |
| 72"       | <u> </u>     |                      |                      | 90.0                 | 90.0                 |
| 30"       |              | 130.0                | 90.0                 | 90.0                 | 90.0                 |
| 36"       | }            |                      |                      | 150.0                | 150.0                |
| 42"       | -            | 114.5                | 150.0                | 150.0                | 150.0                |
| 42<br>48" | }            | 100.0                | 150.0                | 150.0                | 150.0                |
| 54"       | 102"         | 89.5                 | 150.0                | 150.0                | 150.0                |
| 60"       |              | 81.6                 | 150.0                | 150.0                | 150.0                |
| 66"       |              |                      | 90.0                 | 90.0                 | 90.0                 |
| 30"       |              | 1176                 | 90.0                 | 90.0                 | 90.0                 |
|           |              | 113.5                | 150.0                | 150.0                | 150.0                |
| 36"       | -            | 95.9                 | 150.0                | 150.0                | 150.0                |
| 42"       | 108"         | 83.6                 | 150.0                | 150.0                | 150.0                |
| 48"       |              | 74.6                 | 150.0                | 149.6                | 150.0                |
| 54"       |              | _                    | 90.0                 | 90.0                 | 90.0                 |
| 60"       |              |                      | 90.0                 | 90.0                 | 90.0                 |
| 30"       | -            | 96.2                 | 150.0                | 150.0                | 150.0                |
| 36"       | -            | 81.2                 | 150.0                | 150.0                | 150.0                |
| 42"       | 114"         | 70.6                 | 150.0                | 150.0                | 150.0                |
| 48"       | -            | 62.9                 | 150.0                | 133.3                | 150.0                |
| 54"       | -            | _                    | 90.0                 | 90.0                 | 90.0                 |
| 60"       |              |                      | 90.0                 | 90.0                 | 90.0                 |
| 30"       |              | 82.3                 | 150.0                | 150.0                | 150.0                |
| 36"       | 46-"         | 69.3                 | 150.0                | 150.0                | 150.0                |
| 42"       | 120"         | 60.2                 | 150.0                | 135.0                | 150.0                |
| 48"       | _            | 53.5                 | 150.0                | 119.6                | 133.3                |
| 54"       |              |                      | 90.0                 | 90.0                 | 90.0                 |
| 30"       |              |                      | 90.0                 | 90.0                 | 90.0                 |
| 36"       | 126"         |                      | 90.0                 | 90.0                 | 90.0                 |
| 42"       | 120          |                      | 90.0                 | 90.0                 | 90.0                 |
| 48"       |              |                      | 90.0                 | 90.0                 | 90.0                 |
| 54"       |              |                      | 90.0                 | 90.0                 | 90.0                 |
| 30"       | -            |                      | 90.0                 | 90.0                 | 90.0                 |
| 36"       | 132"         |                      | 90.0                 | 90.0                 | 90.0                 |
| 42"       | L            |                      | 90.0                 | 90.0                 | 90.0                 |
| 48"       |              |                      | 90.0                 | 90.0                 | 90.0                 |
| 30"       | _            |                      | 90.0                 | 90.0                 | 90.0                 |
| 36"       | 138"         |                      | 90.0                 | 90.0                 | 90.0                 |
| 42"       |              |                      | 90.0                 | 90.0                 | 90.0                 |
| 48"       |              |                      | 90.0                 | 86.2                 | 86.2                 |
| 30"       | _            |                      | 90.0                 | 90.0                 | 90.0                 |
| 36"       | 144"         | _                    | 90.0                 | 90.0                 | 90.0                 |
| 42"       |              | _                    | 90.0                 | 85.5                 | 85.5                 |
| 48"       | I            |                      | 90.0                 | 75.6                 | 75.6                 |

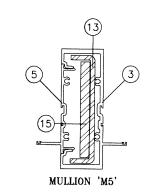


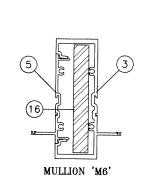
WIDTH (W) = W1 AT FRAME JAMB

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









Ix IN^4 Sx IN^3 6.6509 2.6421

|                              | Ix IN^4 | Sx IN^3 |
|------------------------------|---------|---------|
| ALUMINUM                     | 6.6509  | 2.6421  |
| STEEL                        | 2.7506  | 1.2225  |
| TOTAL IX ALUM + IX STL X 2.9 | 14.6276 |         |

|                                 | Ix IN^4 | Sx IN^ |
|---------------------------------|---------|--------|
| ALUMINUM                        | 6.7195  | 2.6757 |
| STEEL                           | 4.7506  | 2.1114 |
| TOTAL<br>Ix ALUM + Ix STL X 2.9 | 20.3598 |        |

| 7                     |            |       | ,       |
|-----------------------|------------|-------|---------|
|                       | Ix         | IN^4  | Sx IN^3 |
| ALUMINUM              | 6.         | 7195  | 2.6757  |
| STEEL                 | 4          | .746  | 2.109   |
| TOTAL<br>Ix ALUM + Ix | L X 2.9 20 | .3464 |         |

Sealed: 7/25/2023

MULLIONS



NOTE: LIMIT MAXIMUM EXTERIOR(+) LOADS TO 100.0 PSF drawing no.

23-06F

Sheet 4.1of 18

revisions:
no date by description

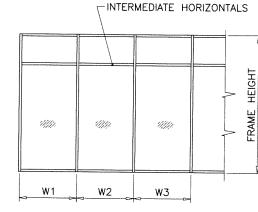
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538

| SERIES 8000 ALUMINUM WINDOW WALL SYSTEM (S.M.I.) | E.S. WINDOWS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 | TEL. (305) 638–5151 FAX. (305) 638–5158 | LEL. (305) 638–5158 | LEL. (305) 638–5151 FAX. (305) 638–5158 | LEL. (305) 638–5151 FAX. (305) 638–5158 | LEL. (305) 638–515

| JAMB & MULLION WITH INTERMEDIATE HORIZONTALS  NOMINAL DIMS. |               |                      |          |          |          |          |  |  |  |
|---|---------------|----------------------|----------|----------|----------|----------|--|--|--|
| WIDTH (W)   | FRAME HEIGHT  | EXT. (+)<br>INT. (-) | EXT. (+) | EXT. (+) | EXT. (+) | EXT. (+) |  |  |  |
| 30"   | TIONNE HEIGHT | 130.0                | INT. (-) | INT. (-) | INT. (-) | INT. (-) |  |  |  |
| 36"   |               | 130.0                | 130.0    | 130.0    | 130.0    | 130.0    |  |  |  |
| 42"   |               |                      |          | 130.0    | 130.0    | 130.0    |  |  |  |
| 48"   | 78"           | 130.0                | 130.0    | 130.0    | 130.0    | 130.0    |  |  |  |
| 54"   |               | 130.0                | 130.0    | 130.0    | 130.0    | 130.0    |  |  |  |
| 60"   | -             |                      | 130.0    | 130.0    | 130.0    | 130.0    |  |  |  |
| 30"   |               | 130.0                | 130.0    | 130.0    | 130.0    | 130.0    |  |  |  |
| 36"   |               | 130.0                | 130.0    | 130.0    | 130.0    | 130.0    |  |  |  |
| 42"   | -             | 130.0                | 130.0    | 130.0    | 130.0    | 130.0    |  |  |  |
| 4∠<br>48"   | 90"           | 130.0                | 130.0    | 130.0    | 130.0    | 130.0    |  |  |  |
| <del>4</del> 0<br>54"                                       | -             | 130.0                | 119.2    | 130.0    | 130.0    | 130.0    |  |  |  |
|   |               | 130.0                | 105.9    | 130.0    | 128.1    | 130.0    |  |  |  |
| 60"   |               | 130.0                | 95.3     | 130.0    | 115.3    | 130.0    |  |  |  |
| 30"   |               | 130.0                | 130.0    | 130.0    | 130.0    | 130.0    |  |  |  |
| 36"   |               | 130.0                | 130.0    | 130.0    | 130.0    | 130.0    |  |  |  |
| 42"   | 96"           | 130.0                | 112.2    | 130.0    | 130.0    | 130.0    |  |  |  |
| 48"   |               | 130.0                | 98.2     | 130.0    | 126.7    | 130.0    |  |  |  |
| 54"   | _             | 130.0                | 87.3     | 130.0    | 112.6    | 130.0    |  |  |  |
| 60"   |               | 130.0                | 78.5     | 122.1    | 101.4    | 130.0    |  |  |  |
| 30"   |               | 130.0                | 130.0    | 130.0    | 130.0    | 130.0    |  |  |  |
| 36"   |               | 130.0                | 109.1    | 130.0    | 130.0    | 130.0    |  |  |  |
| 42"   |               | 130.0                | 93.6     | 130.0    | 128.3    | 130.0    |  |  |  |
| 48"   | 102"          | 130.0                | 81.9     | 130.0    | 112.2    | 130.0    |  |  |  |
| 54"   |               | 130.0                | 72.8     | 117.0    | 99.8     | 130.0    |  |  |  |
| 56"   |               | 130.0                | 70.2     | 112.8    | 96.2     | 130.0    |  |  |  |
| 60"   |               | _                    | _        | _        | _        | 130.0    |  |  |  |
| 30"   |               | 130.0                | 110.3    | 130.0    | 130.0    | 130.0    |  |  |  |
| 36"   |               | 130.0                | 91.9     | 130.0    | 130.0    | 130.0    |  |  |  |
| 42"   |               | 130.0                | 78.8     | 126.8    | 114.4    | 130.0    |  |  |  |
| 48"   | 108"          | 130.0                | 69.0     | 110.9    | 100.1    | 120.3    |  |  |  |
| 53"   |               | 130.0                | 62.5     | 100.4    | 90.7     | 108.9    |  |  |  |
| 54"   | Γ             | _                    | _        | -        | _        | 90.0     |  |  |  |
| 60"   |               | -                    | _        | _        |          | 90.0     |  |  |  |
| 30"   |               | 130.0                | 93.8     | 130.0    | 130.0    | 130.0    |  |  |  |
| 36"   | -             | 130.0                | 78.2     | 125.7    | 119.8    | 130.0    |  |  |  |
| 42"   |               | 130.0                | 67.0     | 107.8    | 102.7    | 123.4    |  |  |  |
| 48"   | 114"          | 130.0                | 58.6     | 94.3     | 89.8     | 108.0    |  |  |  |
| 50"   |               | 130.0                | 56.3     | 90.5     | 86.2     | 103.6    |  |  |  |
| 54"   |               |                      | _        | _        |          | 90.0     |  |  |  |
| 60"   | annes.        | _                    | _        | _        |          | 86.4     |  |  |  |
| 30"   |               | 130.0                | 80.4     | 129.4    | 129.7    | 130.0    |  |  |  |
| 36"   | <u> </u>      | 130.0                | 67.0     | 107.8    | 108.1    | 129.9    |  |  |  |
| 42"   | 120"          | 130.0                | 57.5     | 92.4     | 92.7     | 111.3    |  |  |  |
| 48"   | 120           | 130.0                | 50.3     | 80.9     | 81.1     | 97.4     |  |  |  |
| 54"   |               | 90.0                 |          |          | 72.4     |          |  |  |  |
| 30"   |               | 90.0                 |          |          |          | 86.6     |  |  |  |
| 36"   |               | 90.0                 |          |          | 90.0     | 90.0     |  |  |  |
| 42"   | 126"          |                      |          |          | 90.0     | 90.0     |  |  |  |
|   | 120           | 90.0                 |          | _        | 84.4     | 90.0     |  |  |  |
| 48"   |               | 90.0                 | _        | _        | 73.9     | 88.4     |  |  |  |
| 54"   |               | 90.0                 | _        | -        | 65.6     | 78.5     |  |  |  |

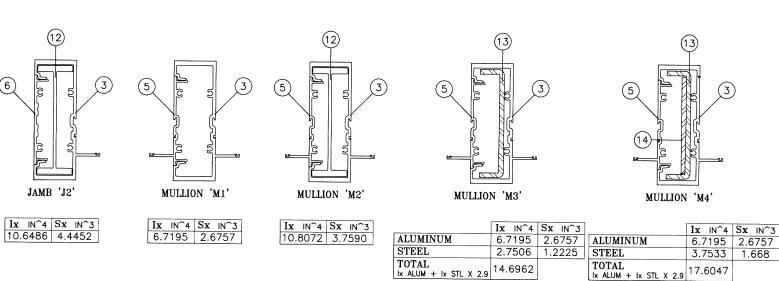
| MULLION LOAD CAPACITY - PSF JAMB & MULLION WITH INTERMEDIATE HORIZONTALS |              |                      |                      |                      |                      |                      |               |  |  |
|--|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------|--|--|
| NOMINAL DIMS. JAMB 'J2' MULL 'M1' MULL 'M2' MULL 'M3' MULL 'M4'          |              |                      |                      |                      |                      |                      |               |  |  |
| WIDTH (W)  | FRAME HEIGHT | EXT. (+)<br>INT. (–) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | ALLOWED.      |  |  |
| 30"  |              | 90.0                 | _                    | -                    | 90.0                 | 90.0                 | 19            |  |  |
| 36"  | 132"         | 90.0                 | _                    |                      | 89.7                 | 90.0                 |               |  |  |
| 42"  | 132          | 90.0                 | -                    | _                    | 76.9                 | 90.0                 | WIDTHS        |  |  |
| 48"  |              | 90.0                 | -                    |                      | 67.3                 | 80.5                 | Ĭ<br>N        |  |  |
| 30"  |              | 90.0                 | _                    |                      | 90.0                 | 90.0                 | z             |  |  |
| 36"  | 138"         | 90.0                 | -                    |                      | 82.1                 | 90.0                 | BETWEEN       |  |  |
| 42"  | 100          | 90.0                 | _                    | _                    | 70.4                 | 84.2                 | BEL           |  |  |
| 48"  |              | 90.0                 | -                    |                      | 61.6                 | 73.7                 | 1             |  |  |
| 30"  |              | 90.0                 | _                    |                      | 90.0                 | 90.0                 | ATIO          |  |  |
| 36"  | 144"         | 90.0                 | ••••                 | _                    | 75.4                 | 90.0                 | 70            |  |  |
| 42"  | 144          | 90.0                 |                      |                      | 64.6                 | 77.3                 | RP            |  |  |
| 48"  |              | 90.0                 | -                    |                      | 56.5                 | 67.7                 | INTERPOLATION |  |  |

NOTE: LIMIT MAXIMUM EXTERIOR(+) LOADS TO 100.0 PSF



WIDTH (W) = W1 AT FRAME JAMB

W2 + W3WIDTH (W) =2 AT FRAME MULLION



Sealed: 7/25/2023

MULLIONS

TOTAL
|x ALUM + |x STL X 2.9 | 17.6047



FL #17897

dr. by: TARIQ drawing no. 23-06F sheet 5 of 18

revisions: no date by description

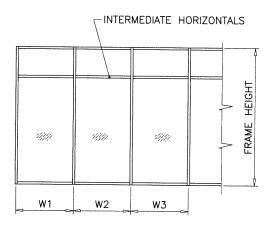
SERIES 8000 ALUMINUM WINDOW WALL SYSTEM (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

(305)

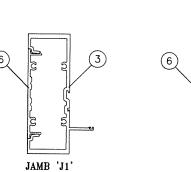
| JA        |              | LION LOAD (          |                      |                      | ALS                  |
|-----------|--------------|----------------------|----------------------|----------------------|----------------------|
| NOMIN     | AL DIMS.     | JAMB 'J1'            | JAMB 'J3'            | MULL 'M5'            | MULL 'M6'            |
| WIDTH (W) | FRAME HEIGHT | EXT. (+)<br>INT. (–) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (–) | EXT. (+)<br>INT. (-) |
| 30"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 36"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 42"       | 90"          | 130.0                | 150.0                | 150.0                | 150.0                |
| 48"       | 90           | 130.0                | 150.0                | 150.0                | 150.0                |
| 54"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 60"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 30"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 36"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 42"       | 96"          | 130.0                | 150.0                | 150.0                | 150.0                |
| 48"       | 90           | 130.0                | 150.0                | 150.0                | 150.0                |
| 54"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 60"       |              | 130.0                | 150.0                | 141.8                | 150.0                |
| 30"       |              | 130.0                | 150.0                | 150.0                | 150.0                |
| 36"       |              | 109.1                | 150.0                | 150.0                | 150.0                |
| 42"       | 100"         | 93.6                 | 150.0                | 150.0                | 150.0                |
| 48"       | 102"         | 81.9                 | 150.0                | 150.0                | 150.0                |
| 54"       |              | 72.8                 | 150.0                | 139.5                | 150.0                |
| 60"       | j            |                      | 90.0                 | 90.0                 | 90.0                 |
| 30"       |              | 110.3                | 150.0                | 150.0                | 150.0                |
| 36"       |              | 91.9                 | 150.0                | 150.0                | 150.0                |
| 42"       | ŀ            | 78.8                 | 150.0                | 150.0                | 150.0                |
| 48"       | 108"         | 69.0                 | 150.0                | 140.0                | 150.0                |
| 54"       |              |                      | 90.0                 | 90.0                 |                      |
| 60"       |              | _                    | 90.0                 | 90.0                 | 90.0                 |
| 30"       |              | 93.8                 | 150.0                | 150.0                |                      |
| 36"       | ŀ            | 78.2                 | 150.0                | 150.0                | 150.0<br>150.0       |
| 42"       | -            | 67.0                 | 150.0                | 143.6                | 150.0                |
| 48"       | 114"         | 58.6                 | 150.0                | 125.7                | 146.0                |
| 54"       | F            |                      | 90.0                 | 90.0                 |                      |
| 60"       | -            |                      | 90.0                 | 90.0                 | 90.0                 |
| 30"       |              | 80.4                 | 150.0                | 150.0                | 150.0                |
| 36"       |              | 67.0                 | 150.0                | 150.0                |                      |
| 42"       | 120"         | 57.5                 | 150.0                | 129.6                | 150.0                |
| 48"       | 120          | 50.3                 | 150.0                | 113.4                | 143.1                |
| 54"       | -            |                      | 90.0                 |                      | 125.2                |
| 30"       |              |                      | 90.0                 | 90.0                 | 90.0                 |
| 36"       | -            | _                    | 90.0                 | 90.0                 | 90.0                 |
| 42"       | 126"         | -                    | 90.0                 | 90.0                 | 90.0                 |
| 48"       | -            | _                    | 90.0                 | 90.0                 |                      |
| 54"       | -            |                      | 90.0                 | 90.0                 | 90.0                 |
| 30"       |              | _                    | 90.0                 | 90.0                 | 90.0                 |
| 36"       |              |                      | 90.0                 | 90.0                 | 90.0                 |
| 42"       | 132"         |                      | 90.0                 | 90.0                 | 90.0                 |
| 48"       | -            |                      | 90.0                 |                      | 90.0                 |
| 30"       |              |                      | 90.0                 | 90.0                 | 90.0                 |
| 36"       | _  -         |                      |                      | 90.0                 | 90.0                 |
| 42"       | 138"         |                      | 90.0                 | 90.0                 | 90.0                 |
| 48"       | -            |                      | 90.0                 | 90.0                 | 90.0                 |
| 30"       |              |                      | 90.0                 | 82.3                 | 82.3                 |
| 36"       |              |                      | 90.0                 | 90.0                 | 90.0                 |
| 1         | 144"         |                      | 90.0                 | 90.0                 | 90.0                 |
| 42"       |              | -                    | 90.0                 | 82.8                 | 82.8                 |
| 48"       |              |                      | 90.0                 | 72.4                 | 72.4                 |

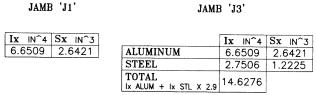
NOTE: LIMIT MAXIMUM EXTERIOR(+) LOADS TO 100.0 PSF

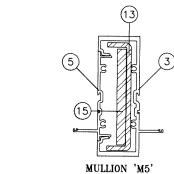


WIDTH (W) = W1 AT FRAME JAMB

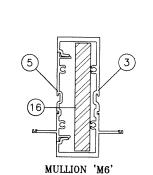
WIDTH (W) =2 AT FRAME MULLION







|                                 | Ix IN^4 | Sx IN^3 |
|---------------------------------|---------|---------|
| ALUMINUM                        | 6.7195  | 2.6757  |
| STEEL                           | 4.7506  | 2.1114  |
| TOTAL<br>ix ALUM + ix STL X 2.9 | 20.3598 |         |



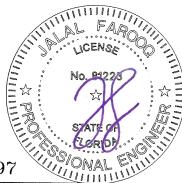
 
 Ix
 IN^4
 Sx
 IN^3

 6.7195
 2.6757

 4.746
 2.109
 ALUMINUM STEEL 4.746
TOTAL
||x ALUM + ||x STL ||x 2.9|| 20.3464

Sealed: 7/25/2023

MULLIONS



FL #17897

drawing no.

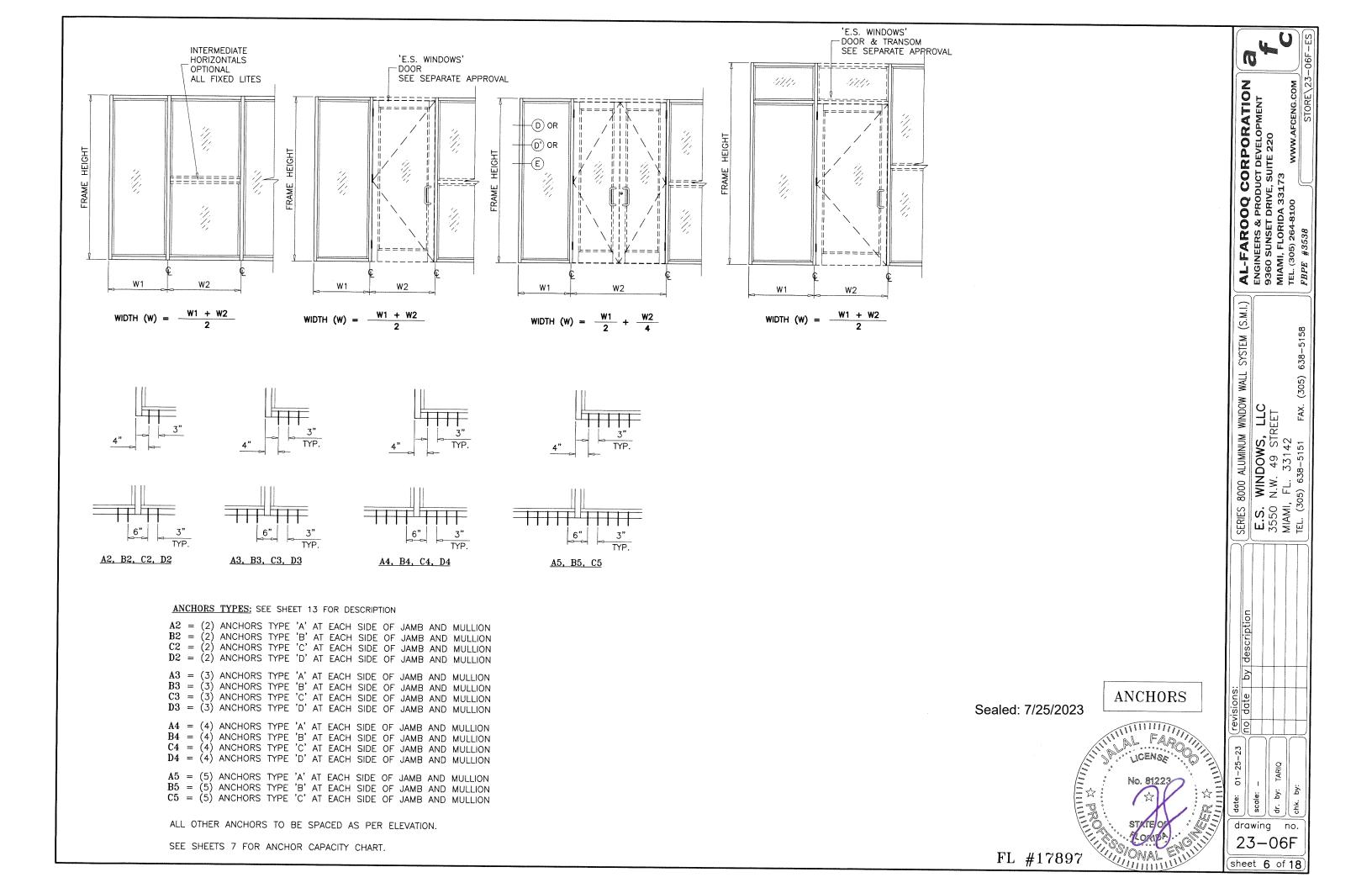
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33.173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538

SYSTEM (S.M.I.)

E.S. WINDOWS, LLC
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MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638

23-06F sheet **5.1**of **18** 

revisions: no date by description



|            |                 |              |       |              |             |              |              |              |               |              | ANC          | HOR L |             |                | Y - F        | PSF                                     |       |              |              |              |              |              |              |       |       |                                       |        |        |
|------------|-----------------|--------------|-------|--------------|-------------|--------------|--------------|--------------|---------------|--------------|--------------|-------|-------------|----------------|--------------|---|-------|--------------|--------------|--------------|--------------|--------------|--------------|-------|-------|---------------------------------------|--------|--------|
|            |                 |              |       |              |             | 3 /8         | " MAX.       | chin c       | DACE          |              |              | EX    | 1.(+) &     | INT.(-)        |              | *************************************** |       |              |              |              |              |              |              |       |       | · · · · · · · · · · · · · · · · · · · |        | ****   |
| NOMIN      | IAL DIMS.       | _            | NCHOP | S TYPE       | 'A'         | T            |              |              |               | Τ .          | Mana         |       | 101         | -              |              |   |       | 1/2          | MAX.         | SHIM S       | SPACE        | ,            |              |       | ****  | 1/4"                                  | SHIM   | SPACE  |
| WIDTH (W)  | FRAME HEIGHT    | A2           | A3    | A4           | A A5        | B2           | NCHORS<br>B3 | B4           |               | <del> </del> | NCHORS       | 7     |             | <del></del>    |              | S TYPE                                  | 7     |              | T            | S TYPE       | 'B'          | A            | NCHORS       | STYPE | 'С'   | ANCH                                  | ORS TY | PE 'D' |
| 30"        | 7,5,11,2,10,1,1 | 56.8         | 85.2  | 113.6        | <del></del> | 65.4         | 98.0         | 130.7        | B5            | C2           | C3           | C4    | C5          | A2             | A3           | A4                                      | A5    | B2           | B3           | B4           | B5           | C2           | C3           | C4    | C5    | D2                                    | D3     | D4     |
| 36"        |                 | 47.3         | 71.0  | 94.6         | 118.3       | 54.5         | 81.7         | 108.9        | 150.0         | 111.4        |              | 150.0 |             | <del></del>    | 66.5         | 88.7                                    | 110.8 | <del></del>  | 76.9         | 102.6        | 128.2        | 87.7         | 130.0        | 150.0 | 150.0 | 130.0                                 | 130.0  | 150.0  |
| 42"        |                 | 40.6         | 60.8  | 81.1         | 101.4       | 46.7         | 70.0         | <del> </del> | 136.2         | 92.8         | 130.0        | +     |             | 36.9           | 55.4         | 73.9                                    | 92.4  | 42.7         | 64.1         | 85.5         | 106.8        | 73.1         | 109.7        | 146.2 | 150.0 | 130.0                                 | 130.0  | 150.0  |
| 48"        |                 | 35.5         | 53.2  | 71.0         | 88.7        |              | +            | 93.4         | 116.7         | 79.6         | 119.4        | 150.0 | +           | 31.7           | 47.5         | 63.3                                    | 79.2  | 36.6         | 54.9         | 73.3         | 91.6         | 62.7         | 94.0         | 125.3 | 150.0 | 119.2                                 | 130.0  | 150.0  |
| 54"        | 90"             | 31.5         | 47.3  | 63.1         | 78.9        | 36.3         | 61.3         | 81.7         | 102.1         | 69.6         | 104.4        | 139.3 | +           | 27.7           | 41.6         | 55.4                                    | 69.3  | 32.1         | 48.1         | 64.1         | 80.1         | 54.8         | 82.2         | 109.7 | 137.1 | 104.3                                 | 130.0  | 150.0  |
| 60"        |                 | 28.4         | 42.6  | 56.8         | 71.0        | 32.7         | 54.5         | 72.6         | 90.8          | 61.9         | 92.8         | 123.8 | <del></del> | 24.6           | 36.9         | 49.3                                    | 61.6  | 28.5         | 42.7         | 57.0         | 71.2         | 48.7         | 73.1         | 97.5  | 121.8 | 92.7                                  | 130.0  | 150.0  |
| 66"        |                 | 25.8         | 38.7  | 51.6         | 64.5        | 29.7         | 49.0         | 65.4         | 81.7          | 55.7         | 83.6         | 111.4 | <del></del> | 22.2           | 33.2         | 44.3                                    | 55.4  | 25.6         | 38.5         | 51.3         | 64.1         | 43.9         | 65.8         | 87.7  | 109.7 | 83.4                                  | 125.1  | 150.0  |
| 72"        |                 | 23.7         | 35.5  | 47.3         | 59.2        | 27.2         | 44.6         | 59.4<br>54.5 | 74.3          | 50.6         | 76.0         | 90.0  | 90.0        | 20.2           | 30.2         | 40.3                                    | 50.4  | 23.3         | 35.0         | 46.6         | 58.3         | 39.9         | 59.8         | 79.7  | 90.0  | 75.8                                  | 90.0   | 90.0   |
| 30"        |                 | 53.2         | 79.9  | 106.5        | 133.1       | 61.3         | 91.9         | 122.6        | 68.1<br>150.0 | 104.4        | 69.6         | 90.0  | 90.0        | -              | 27.7         | 36.9                                    | 46.2  | 21.4         | 32.1         | 42.7         | 53.4         | 36.6         | 54.8         | 73.1  | 90.0  | 69.5                                  | 90.0   | 90.0   |
| 36"        |                 | 44.4         | 66.6  | 88.7         | 110.9       | 51.1         | 76.6         | 102.1        | 127.7         | 87.0         | +            | 150.0 |             | 41.6           | 62.3         | 83.1                                    | 103.9 | 48.1         | 72.1         | 96.2         | 120.2        | 82.2         | 123.4        | 150.0 | 150.0 | 130.0                                 | 130.0  | 150.0  |
| 40"        |                 | 39.9         | 59.9  | 79.9         | 99.8        | 46.0         | 68.9         | 91.9         | 114.9         | 78.3         | 130.0        | 150.0 |             | 34.6           | 52.0         | 69.3                                    | 86.6  | 40.1         | 60.1         | 80.1         | 100.2        | 68.5         | 102.8        | 137.1 | 150.0 | 130.0                                 | 130.0  | 150.0  |
| 42"        |                 | 38.0         | 57.0  | 76.1         | 95.1        | 43.8         | 65.7         | 87.5         | 109.4         | 74.6         | +            | 150.0 | 150.0       | 31.2           | 46.8         | 62.3                                    | 77.9  | 36.1         | 54.1         | 72.1         | 90.2         | 61.7         | 92.5         | 123.4 | 150.0 | 117.3                                 | 130.0  | 150.0  |
| 48"        |                 | 33.3         | 49.9  | 66.6         | 83.2        | 38.3         | 57.5         | 76.6         | 95.8          | 65.3         | 97.9         | 149.2 | 150.0       | 29.7           | 44.5         | 59.4                                    | 74.2  | 34.3         | 51.5         | 68.7         | 85.9         | 58.7         | 88.1         | 117.5 | 146.9 | 111.7                                 | 130.0  | 150.0  |
| 54"        | 96"             | 29.6         | 44.4  | 59.2         | 73.9        | 34.0         | 51.1         | 68.1         | 85.1          | 58.0         | 87.0         | 130.6 | 150.0       | 26.0           | 39.0         | 52.0                                    | 64.9  | 30.1         | 45.1         | 60.1         | 75.1         | 51.4         | 77.1         | 102.8 | 128.5 | 97.8                                  | 130.0  | 150.0  |
| 60"        |                 | 26.6         | 39.9  | 53.2         | 66.6        | 30.6         | 46.0         | 61.3         | 76.6          | 52.2         | 78.3         | 116.0 | 145.1       | 23.1           | 34.6         | 46.2                                    | 57.7  | 26.7         | 40.1         | 53.4         | 66.8         | 45.7         | 68.5         | 91.4  | 114.2 | 86.9                                  | 130.0  | 150.0  |
| 66"        |                 | 24.2         | 36.3  | 48.4         | 60.5        | 27.9         | 41.8         | 55.7         | 69.6          | 47.5         | 71.2         | 90.0  | 90.0        | 20.8           | 31.2         | 41.6                                    | 52.0  | 24.0         | 36.1         | 48.1         | 60.1         | 41.1         | 61.7         | 82.2  | 102.8 | 78.2                                  | 117.3  | 150.0  |
| 72"        | ŀ               | 22.2         | 33.3  | 44.4         | 55.5        | 25.5         | 38.3         | 51.1         | 63.8          | 43.5         | 65.3         | 87.0  | 90.0        |                | 28.3         | 37.8                                    | 47.2  | 21.9         | 32.8         | 43.7         | 54.6         | 37.4         | 56.1         | 74.8  | 90.0  | 71.1                                  | 90.0   | 90.0   |
| 30"        |                 | 50.1         | 75.2  | 100.2        | 125.3       | 57.7         | 86.5         | 115.4        | 144.2         | 98.3         | 130.0        | 150.0 | 150.0       | 39.1           | 26.0<br>58.7 | 34.6                                    | 43.3  | 20.0         | 30.1         | 40.1         | 50.1         | 34.3         | 51.4         | 68.5  | 85.7  | 65.2                                  | 90.0   | 90.0   |
| 36"        | ľ               | 41.8         | 62.6  | 83.5         | 104.4       | 48.1         | 72.1         | 96.1         | 120.2         | 81.9         | 122.9        | 150.0 | 150.0       | 32.6           | 48.9         | 78.2<br>65.2                            | 97.8  | 45.3<br>37.7 | 67.9         | 90.5         | 113.1        | 77.4         | 116.1        | 150.0 | 150.0 | 130.0                                 | 130.0  | 150.0  |
| 42"        |                 | 35.8         | 53.7  | 71.6         | 89.5        | 41.2         | 61.8         | 82.4         | 103.0         | 70.2         | 105.3        | 140.4 | 150.0       | 27.9           | 41.9         | 55.9                                    | 69.8  | <del> </del> | 56.6         | 75.4         | 94.3         | 64.5         | 96.8         | 129.0 | 150.0 | 122.7                                 | 130.0  | 150.0  |
| 48"        | "               | 31.3         | 47.0  | 62.6         | 78.3        | 36.0         | 54.1         | 72.1         | 90.1          | 61.4         | 92.2         | 122.9 | 150.0       | 24.4           | 36.7         | 48.9                                    | 61.1  | 32.3         | 48.5         | 64.6         | 80.8         | 55.3         | 82.9         | 110.6 | 138.2 | 105.1                                 | 130.0  | 150.0  |
| 54"        | 102"            | 27.8         | 41.8  | 55.7         | 69.6        | 32.0         | 48.1         | 64.1         | 80.1          | 54.6         | 81.9         | 109.2 | 136.5       | 21.7           | 32.6         | 43.5                                    | 54.3  | 28.3<br>25.1 | 42.4<br>37.7 | 56.6         | 70.7         | 48.4         | 72.6         | 96.8  | 120.9 | 92.0                                  | 130.0  | 150.0  |
| 60"        |                 | 25.1         | 37.6  | 50.1         | 62.6        | 28.8         | 43.3         | 57.7         | 72.1          | 49.1         | 73.7         | 90.0  | 90.0        |                | 29.3         | 39.1                                    | 48.9  | 22.6         | 33.9         | 50.3<br>45.3 | 62.8         | 43.0         | 64.5         | 86.0  | 107.5 | 81.8                                  | 122.7  | 150.0  |
| 66"        |                 | 22.8         | 34.2  | 45.6         | 56.9        | 26.2         | 39.3         | 52.4         | 65.5          | 44.7         | 67.0         | 89.4  | 90.0        | <del>   </del> | 26.7         | 35.6                                    | 44.4  | 20.6         | 30.9         | 41.1         | 56.6<br>51.4 | 38.7         | 58.1         | 77.4  | 90.0  | 73.6                                  | 90.0   | 90.0   |
| 30"        |                 | 47.3         | 71.0  | 94.6         | 118.3       | 54.5         | 81.7         | 108.9        | 136.2         | 92.8         | 130.0        | 150.0 | 150.0       | 36.9           | 55.4         | 73.9                                    | 92.4  | 42.7         | 64.1         | 85.5         | 106.8        | 35.2<br>73.1 | 52.8         | 70.4  | 88.0  | 66.9                                  | 90.0   | 90.0   |
| 36"        |                 | 39.4         | 59.2  | 78.9         | 98.6        | 45.4         | 68.1         | 90.8         | 113.5         | 77.4         | 116.0        | 150.0 | 150.0       | 30.8           | 46.2         | 61.6                                    | 77.0  | 35.6         | 53.4         | 71.2         | 89.0         | 60.9         | 109.7        | 146.2 | 150.0 | 130.0                                 | 130.0  | 150.0  |
| 42"        | 108"            | 33.8         | 50.7  | 67.6         | 84.5        | 38.9         | 58.4         | 77.8         | 97.3          | 66.3         | 99.5         | 132.6 | 150.0       | 26.4           | 39.6         | 52.8                                    | 66.0  | 30.5         | 45.8         | 61.1         | 76.3         | 52.2         | 91.4<br>78.3 | 121.8 | 150.0 | 115.9                                 | 130.0  | 150.0  |
| 48"        | 106             | 29.6         | 44.4  | 59.2         | 73.9        | 34.0         | 51.1         | 68.1         | 85.1          | 58.0         | 87.0         | 116.0 | 145.1       | 23.1           | 34.6         | 46.2                                    | 57.7  | 26.7         | 40.1         | 53.4         | 66.8         | 45.7         | 68.5         | 91.4  | 130.5 | 99.3                                  | 130.0  | 150.0  |
| 54"        |                 | 26.3         | 39.4  | 52.6         | 65.7        | 30.3         | 45.4         | 60.5         | 75.7          | 51.6         | 77.4         | 90.0  | 90.0        | 20.5           | 30.8         | 41.0                                    | 51.3  | 23.7         | 35.6         | 47.5         | 59.4         | 40.6         | 60.9         | 81.2  | 90.0  | 77.2                                  | 130.0  | 150.0  |
| 60"        |                 | 23.7         | 35.5  | 47.3         | 59.2        | 27.2         | 40.9         | 54.5         | 68.1          | 46.4         | 69.6         | 90.0  | 90.0        | _              | 27.7         | 36.9                                    | 46.2  | 21.4         | 32.1         | 42.7         | 53.4         | 36.6         | 54.8         | 73.1  | 90.0  | 69.5                                  | 90.0   | 90.0   |
| 30"        |                 | 44.8         | 67.3  | 89.7         | 112.1       | 51.6         | 77.4         | 103.2        | 129.0         | 87.9         | 130.0        | 150.0 | 150.0       | 35.0           | 52.5         | 70.0                                    | 87.5  | 40.5         | 60.7         | 81.0         | 101.2        | 69.3         | 103.9        | 138.5 | 150.0 | 130.0                                 | 130.0  | 150.0  |
| 36"        |                 | 37.4         | 56.0  | 74.7         | 93.4        | 43.0         | 64.5         | 86.0         | 107.5         | 73.3         | 109.9        | 146.6 | 150.0       | 29.2           | 43.7         | 58.3                                    | 72.9  | 33.7         | 50.6         | 67.5         | 84.4         | 57.7         | 86.6         | 115.4 | 144.3 |                                       | 130.0  | 150.0  |
| 42"        | 114"            | 32.0         | 48.0  | 64.0         | 80.1        | 36.9         | 55.3         | 73.7         | 92.2          | 62.8         | 94.2         | 125.6 | 150.0       | 25.0           | 37.5         | 50.0                                    | 62.5  | 28.9         | 43.4         | 57.8         | 72.3         | 49.5         | 74.2         | 98.9  | 123.7 | 94.1                                  | 130.0  | 150.0  |
| 48"        |                 | 28.0         | 42.0  | 56.0         | 70.1        | 32.3         | 48.4         | 64.5         | 80.6          | 55.0         | 82.5         | 109.9 | 137.4       | 21.9           | 32.8         | 43.7                                    | 54.7  | 25.3         | 38.0         | 50.6         | 63.3         | 43.3         | 64.9         | 86.6  | 108.2 | 82.3                                  | 123.5  | 150.0  |
| 54"        | -               | 24.9         | 37.4  | 49.8         | 62.3        | 28.7         | 43.0         | 57.3         | 71.7          | 48.9         | 73.3         | 90.0  | 90.0        | _              | 29.2         | 38.9                                    | 48.6  | 22.5         | 33.7         | 45.0         | 56.2         | 38.5         | 57.7         | 76.9  | 90.0  | 73.2                                  | 90.0   | 90.0   |
| 60"        |                 | 22.4         | 33.6  | 44.8         | 56.0        | 25.8         | 38.7         | 51.6         | 64.5          | 44.0         | 66.0         | 87.9  | 90.0        | _              | 26.2         | 35.0                                    | 43.7  | 20.2         | 30.4         | 40.5         | 50.6         | 34.6         | 51.9         | 69.3  | 86.6  | 65.9                                  | 90.0   | 90.0   |
| 30"        | -               | 42.6         | 63.9  | 85.2         | 106.5       | 49.0         | 73.5         | 98.0         | 122.6         | 83.6         | 125.3        | 150.0 | 150.0       | 33.2           | 49.9         | 66.5                                    | 83.1  | 38.5         | 57.7         | 76.9         | 96.2         | 65.8         | 98.7         | 131.6 | 150.0 | 125.1                                 |        | 150.0  |
| 36"        | <u></u>         | 35.5         | 53.2  | 71.0         | 88.7        | 40.9         | 61.3         | 81.7         | 102.1         | 69.6         | 104.4        | 139.3 | 150.0       | 27.7           | 41.6         | 55.4                                    | 69.3  | 32.1         | 48.1         | 64.1         | 80.1         | 54.8         | 82.2         | 109.7 | 137.1 | 104.3                                 | 130.0  | 150.0  |
| 42"        | 120"            | 30.4         | 45.6  | 60.8         | 76.1        | 35.0         | 52.5         | 70.0         | 87.5          | 59.7         | 89.5         | 119.4 | 149.2       | 23.7           | 35.6         | 47.5                                    | 59.4  | 27.5         | 41.2         | 54.9         | 68.7         | 47.0         | 70.5         | 94.0  | 117.5 | 89.4                                  | 130.0  | 150.0  |
| 48"        | <u> </u>        | 26.6         | 39.9  | 53.2         | 66.6        | 30.6         | 46.0         | 61.3         | 76.6          | 52.2         | 78.3         | 104.4 | 130.6       | 20.8           | 31.2         | 41.6                                    | 52.0  | 24.0         | 36.1         | 48.1         | 60.1         | 41.1         | 61.7         | 82.2  | 102.8 |                                       | 117.3  | 90.0   |
| 54"        |                 |              | 35.5  | 47.3         | 59.2        | 27.2         | 40.9         | 54.5         | 68.1          | 46.4         | 69.6         | 90.0  | 90.0        |                | 27.7         | 36.9                                    | 46.2  | 21.4         | 32.1         | 42.7         | 53.4         | 36.6         | 54.8         | 73.1  | 90.0  | 69.5                                  | 90.0   | 90.0   |
| 30"        | ļ-              | 40.6         | 60.8  | 81.1         | 90.0        | 46.7         | 70.0         | 90.0         | 90.0          | 79.6         | 90.0         | 90.0  | 90.0        | 31.7           | 47.5         | 63.3                                    | 79.2  | 36.6         | 54.9         | 73.3         | 90.0         | 62.7         | 90.0         | 90.0  | 90.0  | 90.0                                  | 90.0   | 90.0   |
| 36"        | 100"            | 33.8         | 50.7  | 67.6         | 84.5        | 38.9         | 58.4         | 77.8         | 90.0          | 66.3         | 90.0         | 90.0  | 90.0        | 26.4           | 39.6         | 52.8                                    | 66.0  | 30.5         | 45.8         | 61.1         | 76.3         | 52.2         | 78.3         | 90.0  | 90.0  | 90.0                                  | 90.0   | 90.0   |
| 42"        | 126"            | 29.0         | 43.5  | 57.9         | 72.4        | 33.3         | 50.0         | 66.7         | 83.4          | 56.8         | 85.3         | 90.0  | 90.0        | 22.6           | 33.9         | 45.2                                    | 56.5  | 26.2         | 39.2         | 52.3         | 65.4         | 44.8         | 67.1         | 89.5  | 90.0  | 85.1                                  | 90.0   | 90.0   |
| 48"<br>54" |                 | 25.4         | 38.0  | 50.7         | 63.4        | 29.2         | 43.8         | 58.4         | 73.0          | 49.7         | 74.6         | 90.0  | 90.0        | _              | 29.7         | 39.6                                    | 49.5  | 22.9         | 34.3         | 45.8         | 57.2         | 39.2         | 58.7         | 78.3  | 90.0  | 74.5                                  | 90.0   | 90.0   |
| 30"        |                 | 22.5<br>38.7 | 33.8  | 45.1         | 56.3        | 25.9         | 38.9         | 51.9         | 64.8          | 44.2         | 66.3         | 88.4  | 90.0        |                | 26.4         | 35.2                                    | 44.0  | 20.4         | 30.5         | 40.7         | 50.9         | 34.8         | 52.2         | 69.6  | 87.0  | 66.2                                  | 90.0   | 90.0   |
| 36"        | -               |              | 58.1  | 77.4         | 90.0        | 44.6         | 66.9         | 89.1         | 90.0          | 76.0         | 90.0         | 90.0  | 90.0        | 30.2           | 45.3         | 60.5                                    | 75.6  | 35.0         | 52.5         | 69.9         | 87.4         | 59.8         | 89.7         | 90.0  | 90.0  | 90.0                                  | 90.0   | 90.0   |
| 42"        | 132"            |              | 48.4  | 64.5         | 80.7        | 37.1         | 55.7         | 74.3         | 90.0          | 63.3         | 90.0         | 90.0  | 90.0        | 25.2           | 37.8         | 50.4                                    | 63.0  | 29.1         | 43.7         | 58.3         | 72.8         | 49.8         | 74.8         | 90.0  | 90.0  | 90.0                                  | 90.0   | 90.0   |
| 48"        | ļ               |              | 36.3  | 55.3<br>48.4 | 69.1        | 31.8         | 47.8         | 63.7         | 79.6          | 54.3         | 81.4         | 90.0  | 90.0        | 21.6           | 32.4         | 43.2                                    | 54.0  | 25.0         | 37.5         | 50.0         | 62.4         | 42.7         | 64.1         | 85.4  | 90.0  | 81.2                                  | 90.0   | 90.0   |
| 30"        |                 |              | 55.6  | 74.1         | 90.0        | 27.9         | 41.8         | 55.7         | <del></del>   | 47.5         | 71.2         | 90.0  | 90.0        | -              | 28.3         | 37.8                                    | 47.2  | 21.9         | 32.8         | 43.7         | 54.6         | 37.4         | 56.1         | 74.8  | 90.0  | 71.1                                  | 90.0   | 90.0   |
| 36"        |                 |              | 46.3  | 61.7         | 77.2        | 42.6         | 63.9         | 85.3         | 90.0          | 72.7         | 90.0         | 90.0  | 90.0        | 28.9           | 43.4         | 57.8                                    | 72.3  | 33.4         | 50.2         | 66.9         | 83.6         | 57.2         | 85.8         | 90.0  | 90.0  | 90.0                                  | 90.0   | 90.0   |
| 42"        | 138"  -         |              | 39.7  | 52.9         | 66.1        | 35.5         |              | 71.0         | 88.8          | 60.5         | 90.0         | 90.0  | 90.0        | 24.1           | 36.1         | 48.2                                    | 60.2  | 27.9         | 41.8         | 55.7         | 69.7         | 47.7         | 71.5         | 90.0  | 90.0  | 90.0                                  | 90.0   | 90.0   |
| 48"        | -               |              | 34.7  | 46.3         | 57.9        | 30.4<br>26.6 | 45.7         | 60.9         |               | 51.9         | 77.8         | 90.0  | 90.0        | 20.7           | 31.0         | 41.3                                    | 51.6  | 23.9         | 35.8         | 47.8         | 59.7         | 40.9         | 61.3         | 81.7  | 90.0  | 77.7                                  | 90.0   | 90.0   |
| 30"        | <del></del>     |              |       | 71.0         | 88.7        |              |              | 53.3<br>81.7 |               | 45.4         | 68.1         | 90.0  | 90.0        |                | 27.1         | 36.1                                    | 45.2  | 20.9         | 31.4         | 41.8         | 52.3         | 35.8         | 53.6         | 71.5  | 89.4  | 68.0                                  | 90.0   | 90.0   |
| 36"        |                 |              | 44.4  | 59.2         | 73.9        | 34.0         | 51.1         | 68.1         |               | 69.6         | 90.0         | 90.0  | 90.0        | 27.7           | 41.6         | 55.4                                    | 69.3  | 32.1         | 48.1         | 64.1         | 80.1         | 54.8         | 82.2         | 90.0  | 90.0  | 90.0                                  | 90.0   | 90.0   |
| 42"        | 144" ⊨          |              | 38.0  | 50.7         | 63.4        | 29.2         | 43.8         | 58.4         |               | 58.0<br>49.7 | 87.0<br>74.6 | 90.0  | 90.0        | 23.1           | 34.6         | 46.2                                    | 57.7  | 26.7         | 40.1         | 53.4         | 66.8         | 45.7         | 68.5         | 90.0  | 90.0  |                                       |        | 90.0   |
| 48"        | ļ               |              | 33.3  | 44.4         | 55.5        | 25.5         | 38.3         |              |               | 43.5         | 65.3         | 87.0  | 90.0        |                | 29.7         | 39.6                                    | 49.5  | 22.9         | 34.3         | 45.8         | 57.2         | 39.2         | 58.7         | 78.3  | 90.0  |                                       | 90.0   | 90.0   |
|            |                 |              |       |              |             |              |              | J , , ,      | JJ.U          | , , , ,      | 00.0         | 07.0  | 50.0        |                | 26.0         | 34.6                                    | 43.3  | 20.0         | 30.1         | 40.1         | 50.1         | 34.3         | 51.4         | 68.5  | 85.7  | 65.2                                  | 90.0   | 90.0   |

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33.173
TEL. (305) 264-8100
KBPE #3538 | SERIES 8000 ALUMINUM WINDOW WALL SYSTEM (S.M.I.) | | E.S. WINDOWS, LLC | 3550 N.W. 49 STREET | MIAMI, FL. 33142 | TEL. (305) 638–5151 FAX. (305) 638–5158 | 1 SEE SHEETS 6 AND 13 FOR ANCHOR DESCRIPTION.

Sealed: 7/25/2023

LIMIT MAX. LOADS TO 130.0 PSF FOR INSTALLATIONS INTO WOOD STRUCTURES.

ANCHORS

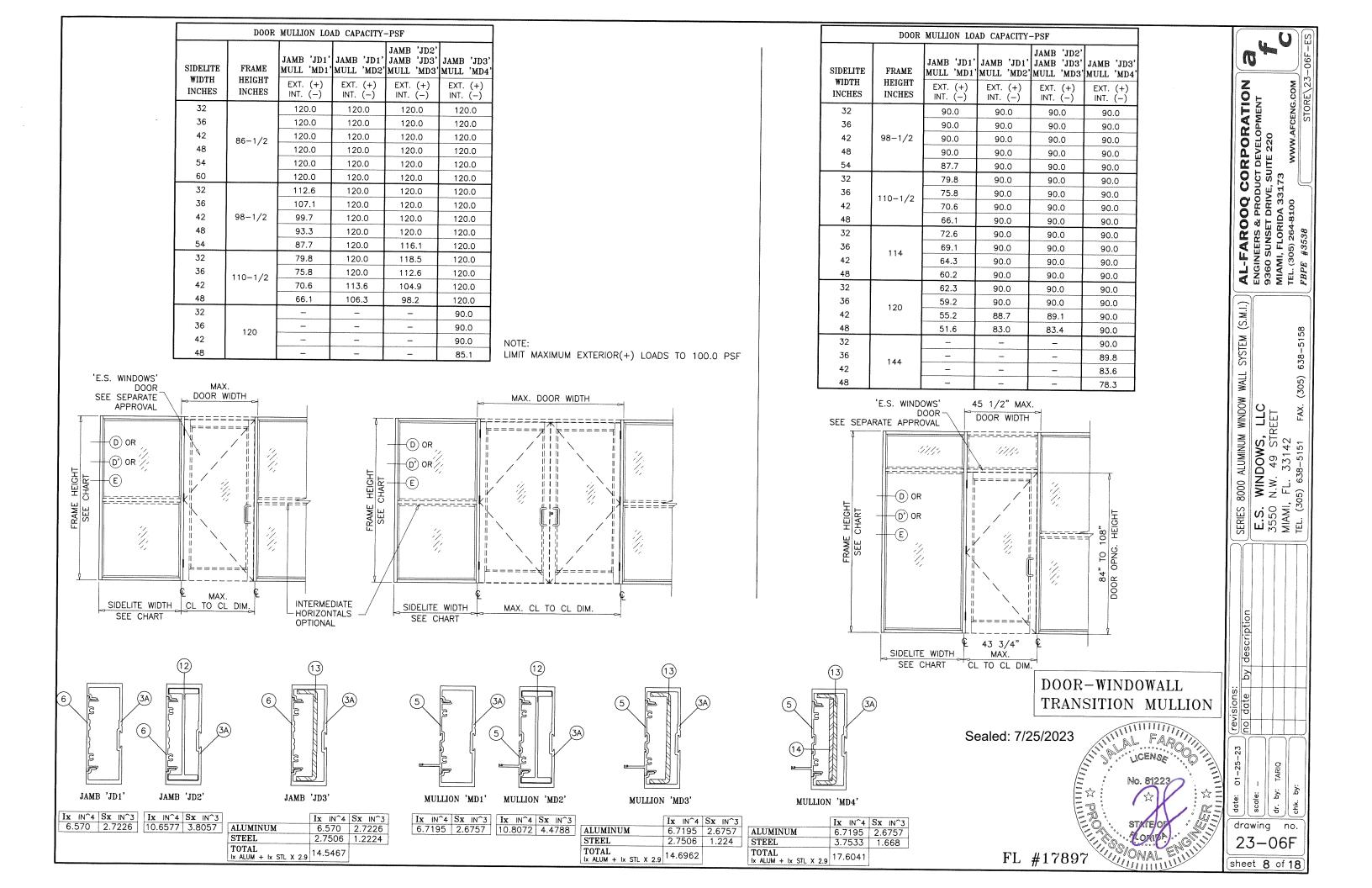
FL #17897

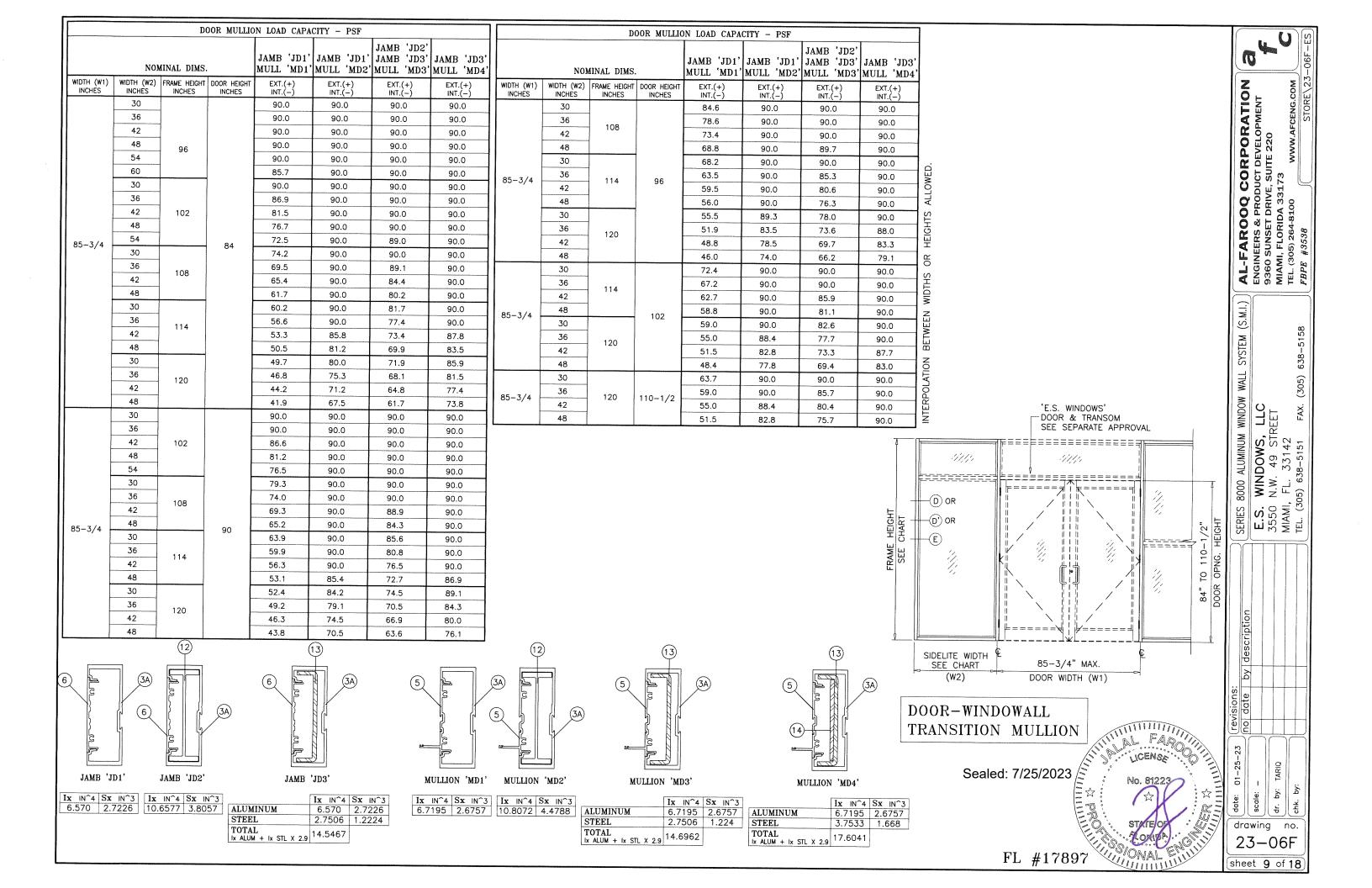


| revisions:     | date |          |    |               |           |          |
|----------------|------|----------|----|---------------|-----------|----------|
| <b>E</b>       | no   |          |    |               |           |          |
| date: 01-25-23 |      | scale: - |    | dr. by: TARIQ | Jack Line | cnk. by: |
| di             | ra   | wir      | ng |               | no        |          |
| 2              | 23   | 3-       | -( | )6            | 6F        | -        |

sheet **7** of **18**)

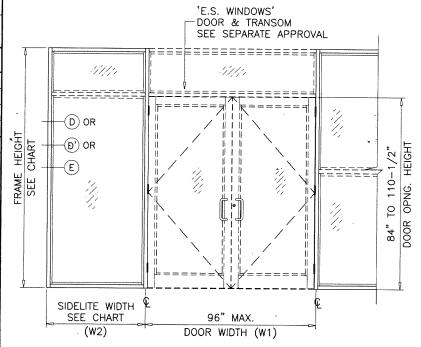
by description





|                      | DOOR MU              | LLION LOAD             | CAPACITY              | - PSF                    |    |
|----------------------|----------------------|------------------------|-----------------------|--------------------------|----|
|                      | NOM                  | MINAL DIMS.            |                       | JAMB 'JD3'<br>MULL 'MD4' |    |
| WIDTH (W1)<br>INCHES | WIDTH (W2)<br>INCHES | FRAME HEIGHT<br>INCHES | DOOR HEIGHT<br>INCHES | EXT.(+)<br>INT.(-)       |    |
|                      | 30                   |                        |                       | 90.0                     |    |
|                      | 36                   |                        |                       | 90.0                     |    |
|                      | 42                   |                        |                       | 90.0                     |    |
|                      | 48                   | 96                     |                       | 90.0                     |    |
|                      | 54                   |                        |                       | 90.0                     | 1  |
|                      | 60                   |                        |                       | 90.0                     |    |
|                      | 30                   |                        |                       | - 90.0                   | Ì  |
|                      | 36                   |                        |                       | 90.0                     | l  |
|                      | 42                   | 102                    |                       | 90.0                     |    |
|                      | 48                   |                        |                       | 90.0                     |    |
| 96                   | 54                   |                        | 84                    | 90.0                     |    |
| 30                   | 30                   |                        | 04                    | 90.0                     |    |
|                      | 36                   | 100                    |                       | 90.0                     |    |
|                      | 42                   | 108                    |                       | 90.0                     | П  |
|                      | 48                   |                        |                       | 89.4                     | П  |
|                      | 30                   |                        |                       | 90.0                     |    |
|                      | 36                   | 114                    |                       | 85.5                     | ll |
|                      | 42                   | 114                    | ,                     | 81.5                     |    |
|                      | 48                   |                        |                       | 77.8                     |    |
|                      | 30                   |                        | Ī                     | 79.1                     | П  |
| Ī                    | 36                   | 100                    |                       | 75.3                     |    |
| Ī                    | 42                   | 120                    |                       | 71.8                     |    |
|                      | 48                   |                        | ľ                     | 68.7                     |    |
|                      | 30                   |                        |                       | 90.0                     |    |
|                      | 36                   |                        | Ī                     | 90.0                     |    |
|                      | 42                   | 102                    |                       | 90.0                     | ۱  |
|                      | 48                   |                        | Ī                     | 90.0                     | ١  |
|                      | 54                   | į                      |                       | 90.0                     |    |
|                      | 30                   |                        | ľ                     | 90.0                     |    |
|                      | 36                   |                        |                       | 90.0                     |    |
|                      | 42                   | 108                    | ļ                     | 90.0                     |    |
| 96                   | 48                   |                        | 90                    | 90.0                     |    |
| 33                   | 30                   |                        | <sup>30</sup>         | 90.0                     |    |
|                      | 36                   | 44:                    | F                     | 89.5                     |    |
|                      | 42                   | 114                    | F                     | 85.1                     |    |
|                      | 48                   |                        | -                     | 81.1                     |    |
|                      | 30                   |                        |                       | 82.1                     |    |
| -                    | 36                   | 400                    | -                     | 78.0                     |    |
| F                    | 42                   | 120                    |                       | 74.3                     |    |
| -                    | 48                   |                        | <u> </u>              | 70.9                     |    |

| F                  |                      | DOOR MU              | LLION LOAD             | CAPACITY              | - PSF                    |
|--------------------|----------------------|----------------------|------------------------|-----------------------|--------------------------|
| B 'JD3'<br>L 'MD4' |                      | Υ                    | MINAL DIMS.            |                       | JAMB 'JD3'<br>MULL 'MD4' |
| T.(+)<br>T.(–)     | WIDTH (W1)<br>INCHES | WIDTH (W2)<br>INCHES | FRAME HEIGHT<br>INCHES | DOOR HEIGHT<br>INCHES | EXT.(+)<br>INT.(-)       |
| 0.0                |                      | 30                   |                        |                       | 90.0                     |
| 0.0                |                      | 36                   | 100                    |                       | 90.0                     |
| 0.0                |                      | 42                   | 108                    |                       | 90.0                     |
| 0.0                |                      | 48                   |                        |                       | 90.0                     |
| 0.0                | <b>.</b>             | 30                   |                        |                       | 90.0                     |
| 0.0                | 96                   | 36                   | 114                    | 06 .                  | - 90.0                   |
| 0.0                | 30                   | 42                   | 114                    | 90                    | 89.8                     |
| 0.0                |                      | 48                   |                        |                       | 85.3                     |
| 0.0                |                      | 30                   |                        |                       | 86.1                     |
| 0.0                |                      | 36                   | 120                    |                       | 81.6                     |
| 0.0                |                      | 42                   | 120                    |                       | 77.5                     |
| 0.0                |                      | 48                   |                        |                       | 73.9                     |
| 0.0                |                      | 30                   |                        |                       | 90.0                     |
| 0.0                |                      | 36                   | 114                    |                       | 90.0                     |
| 9.4                |                      | 42                   | 114                    |                       | 90.0                     |
| 0.0                | 96                   | 96 48 102            | 102                    | 90.0                  |                          |
| 5.5                | . 50                 |                      | 102                    | 90.0                  |                          |
| 1.5                |                      | 36                   | 120                    |                       | 86.3                     |
| 7.8                |                      | 42                   | 120                    | 96                    | 81.8                     |
| 9.1                |                      | 48                   |                        |                       | 77.7                     |
| 5.3                |                      | 30                   |                        |                       | 90.0                     |
| .8                 | 96                   | 36                   | 120                    | 110-1/2               | 90.0                     |
| 3.7                |                      | 42                   | 120                    | 1/2                   | 90.0                     |
| 0.0                |                      | 48                   |                        |                       | 85.1                     |
| 0.0                |                      | 30                   |                        |                       | 57.0                     |
| 0.0                | 96                   | 36                   | 144                    | 108                   | 54.2                     |
| 0.0                |                      | 42                   | 51.6                   |                       |                          |
| 0.0                |                      | 48                   |                        |                       | 49.2                     |
| .0                 |                      |                      |                        |                       |                          |
| .0                 |                      |                      |                        |                       |                          |



| DOOR MULLION LOAD CAPACITY - PSF |                      |                        |                       |                         |  |  |  |  |  |  |  |
|----------------------------------|----------------------|------------------------|-----------------------|-------------------------|--|--|--|--|--|--|--|
|                                  | NON                  | MINAL DIMS.            |                       | JAMB 'JD3'<br>MULL 'MD5 |  |  |  |  |  |  |  |
| WIDTH (W1)<br>INCHES             | WIDTH (W2)<br>INCHES | FRAME HEIGHT<br>INCHES | DOOR HEIGHT<br>INCHES | EXT.(+)<br>INT.(-)      |  |  |  |  |  |  |  |
|                                  | 30                   |                        |                       | 78.4                    |  |  |  |  |  |  |  |
| 76                               | 36                   |                        |                       | 73.8                    |  |  |  |  |  |  |  |
| , 0                              | 42                   |                        |                       | 69.7                    |  |  |  |  |  |  |  |
|                                  | 48                   |                        |                       | 66.1                    |  |  |  |  |  |  |  |
|                                  | 30                   |                        |                       | 73.1                    |  |  |  |  |  |  |  |
| 84                               | 36                   | 144                    | 108                   | 69.1                    |  |  |  |  |  |  |  |
|                                  | 42                   |                        | 100                   | 65.5                    |  |  |  |  |  |  |  |
|                                  | 48                   |                        | !                     | 62.3                    |  |  |  |  |  |  |  |
|                                  | 30                   |                        |                       | 66.3                    |  |  |  |  |  |  |  |
| 96                               | 36                   |                        | •                     | 63.0                    |  |  |  |  |  |  |  |
|                                  | 42                   |                        |                       | 60.0                    |  |  |  |  |  |  |  |
|                                  | 48                   |                        |                       | 57.3                    |  |  |  |  |  |  |  |

AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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WWW.AFCENG.COM

SERIES 8000 ALUMINUM WINDOW WALL SYSTEM (S.M.I.)

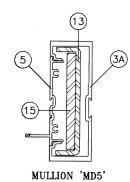
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

by description

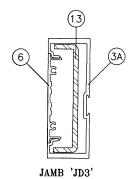
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drawing no. 23-06F

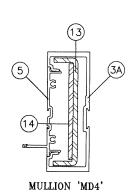
sheet 10 of 18



|          | Ix IN^4 | Sx IN^3 |
|----------|---------|---------|
| ALUMINUM | 6.7195  | 2.6757  |
| STEEL    | 4.7506  | 2.1114  |
| TOTAL    | 20.3598 |         |

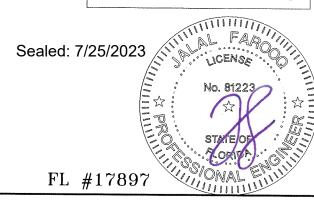


|          | Ix IN^4 | Sx IN^3 |
|----------|---------|---------|
| ALUMINUM | 6.570   | 2.7226  |
| STEEL    | 2.7506  | 1.2224  |
| TOTAL    | 14.5467 |         |



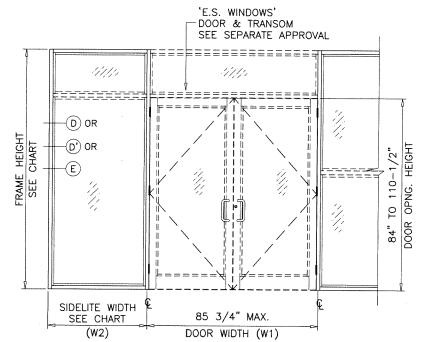
|          | Ix IN^4 | Sx IN  |
|----------|---------|--------|
| ALUMINUM | 6.7195  | 2.6757 |
| STEEL    | 3.7533  | 1.668  |
| TOTAL    | 17.6041 |        |

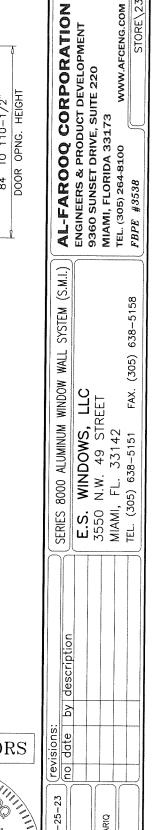
DOOR-WINDOWALL TRANSITION MULLION



| NOMINAL DIMS   C4'   C5'   C6'   |        | D00 | R MULLION   | HEAD ANCI | HOR LOAD CAI | PACITY - PSF       |              |      |  |  |
|--|--------|-----|-------------|-----------|--------------|--------------------|--------------|------|--|--|
| NICHES   NICHES   NICHES   NIT.(-)   |        | NOM | MINAL DIMS. |           | 'C4'         | 'C5'               | 'C6'         |      |  |  |
| 85-3/4 |        |     |             |           |              | EXT.(+)<br>INT.(-) |              |      |  |  |
| 42   |        | 30  |             |           | 89.6         | 90.0               | 90.0         | 1    |  |  |
| 48   |        | 36  |             |           | 85.0         | 90.0               | 90.0         |      |  |  |
| S4   |        | 42  |             |           | 80.8         | 90.0               | 90.0         | 1    |  |  |
| 54   60   73.6   90.0   90.0   90.0   30   30   36   42   102   48   30   36   42   114   42   120   48   30   36   36   36   36   36   36   36  |        | 48  | 96          |           | 77.0         | 90.0               | 90.0         |      |  |  |
| Section   Sect   |        | 54  |             |           | 73.6         | 90.0               | 90.0         | 1    |  |  |
| 85-3/4  86-3/4 |        | 60  |             |           | 70.4         | 0.88               | 90.0         | 1    |  |  |
| 85-3/4    42   |        | 30  |             |           | 86.0         | 90.0               | 90.0         | 1    |  |  |
| 85-3/4    48   |        | 36  |             |           | 81.5         | 90.0               | 90.0         | ۱    |  |  |
| 85-3/4    54   |        | 42  | 102         |           | 77.4         | 90.0               | 90.0         | 11   |  |  |
| 85-3/4    30   |        | 48  |             |           | 73.8         | 90.0               | 90.0         | H    |  |  |
| 30   | 85_3/4 | 54  |             | 04        | 70.4         | 88.0               | 90.0         | ۱۱   |  |  |
| 42   | 65-5/4 | 30  |             | 84        | 82.7         | 90.0               | 90.0         | П    |  |  |
| 42   |        | 36  | 400         |           | 78.3         | 90.0               | 90.0         | П    |  |  |
| 30   |        | 42  | 108         |           | 74.3         | 90.0               | 90.0         | П    |  |  |
| 36   |        | 48  |             |           | 70.8         | 88.4               | 90.0         | П    |  |  |
| 114  |        | 30  |             |           | 79.7         | 90.0               | 90.0         | Ш    |  |  |
| 114  |        | 36  |             |           | 75.4         | 90.0               | 90.0         | Ш    |  |  |
| A8   |        | 42  | 114         |           | 71.5         | 89.4               | <del></del>  | П    |  |  |
| 120  |        | 48  | 120         |           | 68.0         | 85.0               |              | Ш    |  |  |
| 120  |        | 30  |             |           | 76.9         | 90.0               | <b></b>      |      |  |  |
| 85-3/4    120  |        | 36  |             |           | 72.6         | 90.0               | 90.0         |      |  |  |
| 85-3/4  48  65.4  81.8  90.0  90.0  90.0  79.7  90.0  90.0  75.8  90.0  90.0  75.8  90.0  90.0  75.8  90.0   |        | 42  |             |           |              |                    | <del> </del> |      |  |  |
| 85-3/4    30   |        | 48  |             |           |              |                    | ľ            | 65.4 |  |  |
| 85-3/4    36   |        | 30  |             |           | **           |                    | <u> </u>     |      |  |  |
| 85-3/4    102  |        | 36  |             |           |              |                    |              | L    |  |  |
| 85-3/4    108  |        | 42  | 102         |           | 75.8         |                    | <b>!</b>     |      |  |  |
| 85-3/4    108  |        | 48  |             | •         | 72.3         |                    |              |      |  |  |
| 85-3/4    30   |        | 54  |             |           |              |                    |              |      |  |  |
| 85-3/4    36   |        | 30  |             |           |              |                    |              |      |  |  |
| 85-3/4  42  48  90  72.9  90.0  90.0  90.0  78.0  90.0  90.0  78.0  90.0  90.0  73.9  90.0  90.0  73.9  90.0  90.0  70.1  87.7  90.0  66.8  83.5  90.0  75.3  90.0  90.0  71.2  89.1  90.0   |        | 36  |             |           |              |                    |              |      |  |  |
| 85-3/4  30 36 42 48 30 78.0 90.0 90.0 90.0 73.9 90.0 90.0 70.1 87.7 90.0 66.8 83.5 90.0 75.3 90.0 90.0 71.2 89.1 90.0  |        | 42  | 108         |           |              |                    |              |      |  |  |
| 30 36 114 42 120 78.0 90.0 90.0 90.0 73.9 90.0 90.0 70.1 87.7 90.0 66.8 83.5 90.0 75.3 90.0 90.0 90.0 71.2 89.1 90.0 90.0 67.6 84.5 90.0   | /:     | 48  |             |           | 69.4         |                    |              |      |  |  |
| 36     114     73.9     90.0     90.0       42     70.1     87.7     90.0       48     66.8     83.5     90.0       30     75.3     90.0     90.0       36     71.2     89.1     90.0       42     67.6     84.5     90.0  | 85-3/4 |     |             | 90        |              |                    |              |      |  |  |
| 42     70.1     87.7     90.0       48     66.8     83.5     90.0       30     75.3     90.0     90.0       36     71.2     89.1     90.0       42     67.6     84.5     90.0  |        |     |             | -         |              |                    |              |      |  |  |
| 48     66.8     83.5     90.0       30     75.3     90.0     90.0       36     71.2     89.1     90.0       42     67.6     84.5     90.0  |        |     | 114         | İ         |              |                    |              |      |  |  |
| 30     75.3     90.0     90.0       36     71.2     89.1     90.0       42     67.6     84.5     90.0  |        |     |             |           |              |                    |              |      |  |  |
| 36     120       42     71.2     89.1     90.0       67.6     84.5     90.0  | ļ      |     |             | ŀ         |              |                    |              |      |  |  |
| 42 67.6 84.5 90.0  | ŀ      |     |             | }         |              |                    |              |      |  |  |
|  |        |     | 120         | ŀ         |              |                    |              |      |  |  |
| I TO I I NATER HATEL BOAT I  | ļ      | 48  |             | }         | 64.3         | 80.4               | 90.0         |      |  |  |

|                      | D00                  | R MULLION              | HEAD ANCI             | HOR LOAD CAF       | PACITY - PSF       |                    | ]             |
|----------------------|----------------------|------------------------|-----------------------|--------------------|--------------------|--------------------|---------------|
|                      | NOM                  | MINAL DIMS.            | •                     | 'C4'               | 'C5'               | ,C6,               |               |
| WIDTH (W1)<br>INCHES | WIDTH (W2)<br>INCHES | FRAME HEIGHT<br>INCHES | DOOR HEIGHT<br>INCHES | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) |               |
|                      | 30                   |                        |                       | 79.2               | 90.0               | 90.0               | 1             |
|                      | 36                   | 108                    |                       | 75.1               | 90.0               | 90.0               | 1             |
|                      | 42                   | 100                    |                       | 71.5               | 89.3               | 90.0               | ]             |
|                      | 48                   |                        |                       | 68.1               | 85.2               | 90.0               | 1             |
|                      | 30                   |                        |                       | 76.4               | 90.0               | 90.0               | 1.            |
| 85-3/4               | 36                   | 114                    | 96                    | 72.4               | 90.0               | 90.0               | ALLOWED       |
| 00 0/4               | 42                   | 117                    | 90                    | 68.8               | 86.0               | 90.0               | ] ရိ          |
|                      | 48                   |                        |                       | 65.6               | 82.0               | 90.0               | ]             |
|                      | 30                   | 120                    |                       | 73.8               | 90.0               | 90.0               | <b>]</b> &    |
|                      | 36                   |                        |                       | 69.9               | 87.4               | 90.0               | ] 등           |
|                      | 42                   | 120                    |                       | 66.4               | 83.0               | 90.0               | HEIGHTS       |
|                      | 48                   |                        |                       | 63.2               | 79.0               | 90.0               | 씽             |
|                      | 30                   |                        |                       | 74.9               | 90.0               | 90.0               | 1             |
|                      | 36                   | 114                    |                       | 71.0               | 88.8               | 90.0               | 1 원           |
|                      | 42                   | 102                    |                       | 67.6               | 84.5               | 90.0               | WIDTHS        |
| 85-3/4               | 48                   |                        | 64.4                  | 80.5               | 90.0               |                    |               |
| 05 5/4               | 30                   |                        | 102                   | 72.4               | 90.0               | 90.0               | BETWEEN       |
|                      | 36                   | 120                    |                       | 68.6               | 85.7               | 90.0               | ] ≧           |
|                      | 42                   | 120                    |                       | 65.2               | 81.5               | 90.0               | ] 🛱           |
|                      | 48                   |                        |                       | 62.1               | 77.7               | 90.0               | 1 8           |
|                      | 30                   |                        |                       | 70.4               | , 88.0             | 90.0               | INTERPOLATION |
| 85-3/4               | 36                   | 120                    | 110-1/2               | 66.8               | 83.5               | 90.0               | [호            |
| 05-5/4               | 42                   | 120                    | 110-1/2               | 63.6               | 79.5               | 90.0               | FR            |
|                      | 48                   |                        |                       | 60.7               | 75.9               | 90.0               | E             |



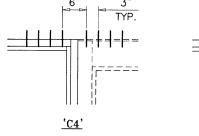


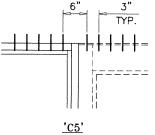
dr. by:

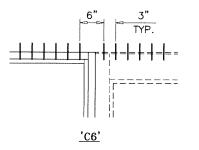
drawing no.

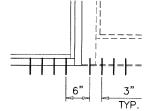
23-06F

sheet **11** of **18** 









'C4' AT SILL ALL CASES

#### ANCHORS TYPES: SEE SHEET 13 FOR DESCRIPTION

C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF DOOR MULLION

C5 = (5) ANCHORS TYPE 'C' AT EACH SIDE OF DOOR MULLION

C6 = (6) ANCHORS TYPE 'C' AT EACH SIDE OF DOOR MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.



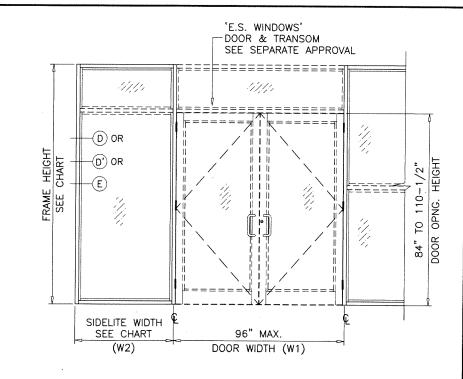
Sealed: 7/25/2023

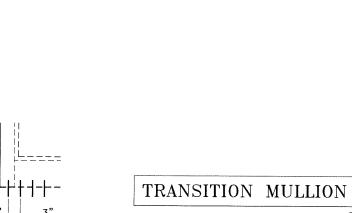
FL #17897

|                      | DOO                  | R MULLION              | HEAD ANCI             | HOR LOAD CAR       | PACITY - PSF       |                    |
|----------------------|----------------------|------------------------|-----------------------|--------------------|--------------------|--------------------|
|                      | ,                    | MINAL DIMS.            |                       | 'C4'               | 'C5'               | 'C6'               |
| WIDTH (W1)<br>INCHES | WIDTH (W2)<br>INCHES | FRAME HEIGHT<br>INCHES | DOOR HEIGHT<br>INCHES | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) |
|                      | 30                   |                        |                       | 82.4               | 90.0               | 90.0               |
|                      | 36                   |                        |                       | 78.5               | 90.0               | 90.0               |
|                      | 42                   |                        |                       | 74.9               | 90.0               | 90.0               |
|                      | 48                   | 96                     |                       | 71.7               | 89.6               | 90.0               |
|                      | 54                   |                        |                       | 68.7               | 85.8               | 90.0               |
|                      | 60                   |                        |                       | 65.9               | 82.4               | 90.0               |
|                      | 30                   |                        |                       | 79.2               | 90.0               | 90.0               |
|                      | 36                   |                        |                       | 75.3               | 90.0               | 90.0               |
|                      | . 42                 | 102                    |                       | 71.8               | 89.8               | 90.0               |
|                      | 48                   |                        |                       | 68.7               | 85.8               | 90.0               |
| 96                   | 54                   |                        | 84                    | 65.8               | 82.2               | 90.0               |
| 30                   | 30                   |                        | 04                    | 76.2               | 90.0               | 90.0               |
|                      | 36                   | 100                    |                       | 72.4               | 90.0               | 90.0               |
|                      | 42                   | 108                    |                       | 69.0               | 86.3               | 90.0               |
|                      | 48                   |                        |                       | 65.9               | 82.4               | 90.0               |
|                      | 30                   |                        |                       | 73.4               | 90.0               | 90.0               |
| ,                    | 36                   | 114                    |                       | 69.8               | 87.2               | 90.0               |
|                      | 42                   | 114                    |                       | 66.4               | 83.0               | 90.0               |
|                      | 48                   |                        |                       | 63.4               | 79.2               | 90.0               |
|                      | 30                   | 120                    |                       | 70.9               | 88.6               | 90.0               |
|                      | 36                   |                        |                       | 67.3               | 84.1               | 90.0               |
|                      | 42                   |                        | j                     | 64.0               | 80.0               | 90.0               |
|                      | 48                   |                        |                       | 61.0               | 76.3               | 90.0               |
|                      | 30                   |                        |                       | 77.3               | 90.0               | 90.0               |
|                      | 36                   |                        |                       | 73.7               | 90.0               | 90.0               |
|                      | 42                   | 102                    |                       | 70.3               | 87.9               | 90.0               |
|                      | 48                   |                        |                       | 67.3               | 84.1               | 90.0               |
|                      | 54                   |                        | ŀ                     | 64.5               | 80.6               | 90.0               |
| Ì                    | 30                   |                        |                       | 74.5               | 90.0               | 90.0               |
|                      | 36                   |                        | 1                     | 70.9               | 88.6               | 90.0               |
| ľ                    | 42                   | 108                    | Ī                     | 67.6               | 84.5               | 90.0               |
| 0.6                  | 48                   |                        | 20                    | 64.6               | 80.8               | 90.0               |
| 96                   | 30                   |                        | 90                    | 71.8               | 89.8               | 90.0               |
| Ī                    | 36                   | 44.                    |                       | 68.3               | 85.4               | 90.0               |
| ļ                    | 42                   | 114                    |                       | 65.1               | 81.4               | 90.0               |
| ļ                    | 48                   |                        | f                     | 62.2               | 77.7               | 90.0               |
| t                    | 30                   |                        | ľ                     | 69.4               | 86.7               | 90.0               |
| Ī                    | 36                   | 100                    | -                     | 65.9               | 82.4               | 90.0               |
| ļ                    | 42                   | 120                    |                       | 62.8               | 78.5               | 90.0               |
|                      | 48                   |                        | ŀ                     | 59.9               | 74.9               | 89.9               |

| ···                  |                      |                        |                       | 'C4'               | PACITY - PSF       | T                  |
|----------------------|----------------------|------------------------|-----------------------|--------------------|--------------------|--------------------|
|                      | NOMINAL DIMS.        |                        |                       |                    | 'C5'               | 'C6'               |
| WIDTH (W1)<br>INCHES | WIDTH (W2)<br>INCHES | FRAME HEIGHT<br>INCHES | DOOR HEIGHT<br>INCHES | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) |
| 96                   | 30                   | 108                    | 96                    | 72.8               | 90.0               | 90.0               |
|                      | 36                   |                        |                       | 69.4               | 86.7               | 90.0               |
|                      | 42                   |                        |                       | 66.3               | 82.8               | 90.0               |
|                      | 48                   |                        |                       | 63.4               | 79.2               | 90.0               |
|                      | 30                   | 114                    |                       | 70.3               | 87.9               | - 90.0             |
|                      | 36                   |                        |                       | 66.9               | 83.7               | 90.0               |
|                      | 42                   |                        |                       | 63.8               | 79.8               | 90.0               |
|                      | 48                   |                        |                       | 61.0               | 76.3               | 90.0               |
|                      | 30                   | 120                    |                       | 68.0               | 84.9               | 90.0               |
|                      | 36                   |                        |                       | 64.6               | 80.8               | 90.0               |
|                      | 42                   |                        |                       | 61.6               | 77.0               | 90.0               |
|                      | 48                   |                        |                       | 58.9               | 73.6               | 88.3               |
| 96                   | 30                   | 114                    | 102                   | 68.8               | 86.1               | 90.0               |
|                      | 36                   |                        |                       | 65.6               | 82.0               | 90.0               |
|                      | 42                   |                        |                       | 62.6               | 78.3               | 90.0               |
|                      | 48                   |                        |                       | 59.9               | 74.9               | 89.9               |
|                      | 30 -                 | 120                    |                       | 66.6               | 83.2               | 90.0               |
|                      | 36                   |                        |                       | 63.4               | 79.2               | 90.0               |
|                      | 42                   |                        |                       | 60.5               | 75.6               | 90.0               |
|                      | 48                   |                        |                       | 57.8               | 72.3               | 86.7               |
| 96                   | 30                   | 120                    | 110-1/2               | 64.7               | 80.9               | 90.0               |
|                      | 36                   |                        |                       | 61.7               | 77.1               | 90.0               |
|                      | 42                   |                        |                       | 58.9               | 73.7               | 88.4               |
|                      | 48                   |                        |                       | 56.4               | 70.5               | 84.6               |
| 96 -                 | 30                   | 144                    | 108                   | 57.8               | 72.3               | 86.7               |
|                      | 36                   |                        |                       | 54.9               | 68.7               | 82.4               |
|                      | 42                   |                        |                       | 52.3               | 65.4               | 78.5               |
|                      | 48                   |                        |                       | 49.9               | 62.4               | 74.9               |

<u>'C6'</u>





'C4' AT SILL ALL CASES

### ANCHORS TYPES: SEE SHEET 13 FOR DESCRIPTION

<u>'C5'</u>

'C4'

- C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF DOOR MULLION
- C5 = (5) ANCHORS TYPE 'C' AT EACH SIDE OF DOOR MULLION
- C6 = (6) ANCHORS TYPE 'C' AT EACH SIDE OF DOOR MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

# TRANSITION MULLION ANCHORS

Sealed: 7/25/2023

dr. by: chk. by: drawing no. 23-06F

by description

revisions:

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ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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