

SERIES MG500

ALUMINUM OUTSWING ENTRANCE DOOR

SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF SINGLE DOORS WITH OR WITHOUT TRANSOMS.

SEE SHEETS 3 & 4 FOR DESIGN LOAD CAPACITY OF DOUBLE DOORS WITH OR WITHOUT TRANSOMS.

SEE SHEET 5 FOR DESIGN LOAD CAPACITY OF SINGLE AND DOUBLE DOORS WITHOUT TRANSOMS WITH ADDITIONAL OPTIONS.

SEE SHEET 6 FOR DESIGN LOAD CAPACITY OF SINGLE DOORS WITHOUT TRANSOMS WITH HIGHER LOAD CAPACITY.

DOORS CAN ALSO BE USED WITH SERIES MG5000 (ES-8000), ES-8000T OR SERIES ES-9500 STOREFRONT SYSTEMS UNDER SEPARATE APPROVAL. DOOR MULLION ATTACHMENT, END LOAD AND CAPACITY TO BE REVIEWED BY BUILDING OFFICIAL.

DOORS WITH STANDARD, SADDLE AND MEDIUM THRESHOLDS ARE NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED. DOORS USING ES-9026 (HIGH THRESHOLD OPTION) ARE APPROVED FOR WATER INFILTRATION RESISTANCE. SEE SHEETS 8 & 9 FOR DETAILS.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION)/2026 (9TH 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 LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL OR OTHER RIGID MATERIALS).

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

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

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

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

GLASS D.L.O. DIMS.

D.L.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.250" (STD. THRESHOLD)  
D.L.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.625" (SADDLE THRESHOLD)  
D.L.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.750" (MED. & HIGH THRESHOLDS)  
D.L.O. WIDTH (DOOR) = FRAME WIDTH - 14.0625"

D.L.O. HEIGHT (ES-9500 TRANSOM) = TRANSOM HEIGHT - 5"  
D.L.O. WIDTH (ES-9500 TRANSOM) = FRAME WIDTH - 7"

D.L.O. HEIGHT (ES-8000 TRANSOM) = TRANSOM HEIGHT - 5.5"  
D.L.O. WIDTH (ES-8000 TRANSOM) = FRAME WIDTH - 5.5"

D.L.O. HEIGHT (ES-8000T TRANSOM) = TRANSOM HEIGHT - 5.5"  
D.L.O. WIDTH (ES-8000T TRANSOM) = FRAME WIDTH - 5.5"

LEAF HEIGHT = FRAME HEIGHT - 2.938" (STD. THRESHOLD)  
LEAF HEIGHT = FRAME HEIGHT - 2.563" (SADDLE THRESHOLD)  
LEAF HEIGHT = FRAME HEIGHT - 2.438" (MED. & HIGH THRESHOLDS)  
LEAF WIDTH = FRAME WIDTH - 5.188"

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

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

NOTE:  
VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.

Sealed: 10/13/2026

FL #27001

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



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

SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)  
**MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC**  
8051 N.W. 79th Place  
Medley, FL. 33166  
Tel. (305) 764-3963 Fax. (305) 470-8285

| revisions: | no | date     | by | description         |
|------------|----|----------|----|---------------------|
|            | A  | 06.14.18 |    | GENERAL REVISION    |
|            | B  | 04.30.20 |    | GENERAL REVISION    |
|            | C  | 07.23.20 |    | UPDATED TO 2020 FBC |
|            | D  | 07.21.23 |    | UPDATED TO 2023 FBC |
|            | E  | 10.07.26 |    | UPDATED TO 2026 FBC |

date: 04-20-18  
scale: 1/2"=1'-0"  
dr. by: TARIQ  
chk. by:

drawing no.  
18-47F

sheet 1 of 18

COMP-ANL\18-47F-MG

SINGLE DOORS WITH OR WITHOUT TRANSOMS  
USE CHARTS AS FOLLOWS  
FOR THE CORRESPONDING DOOR SIZE

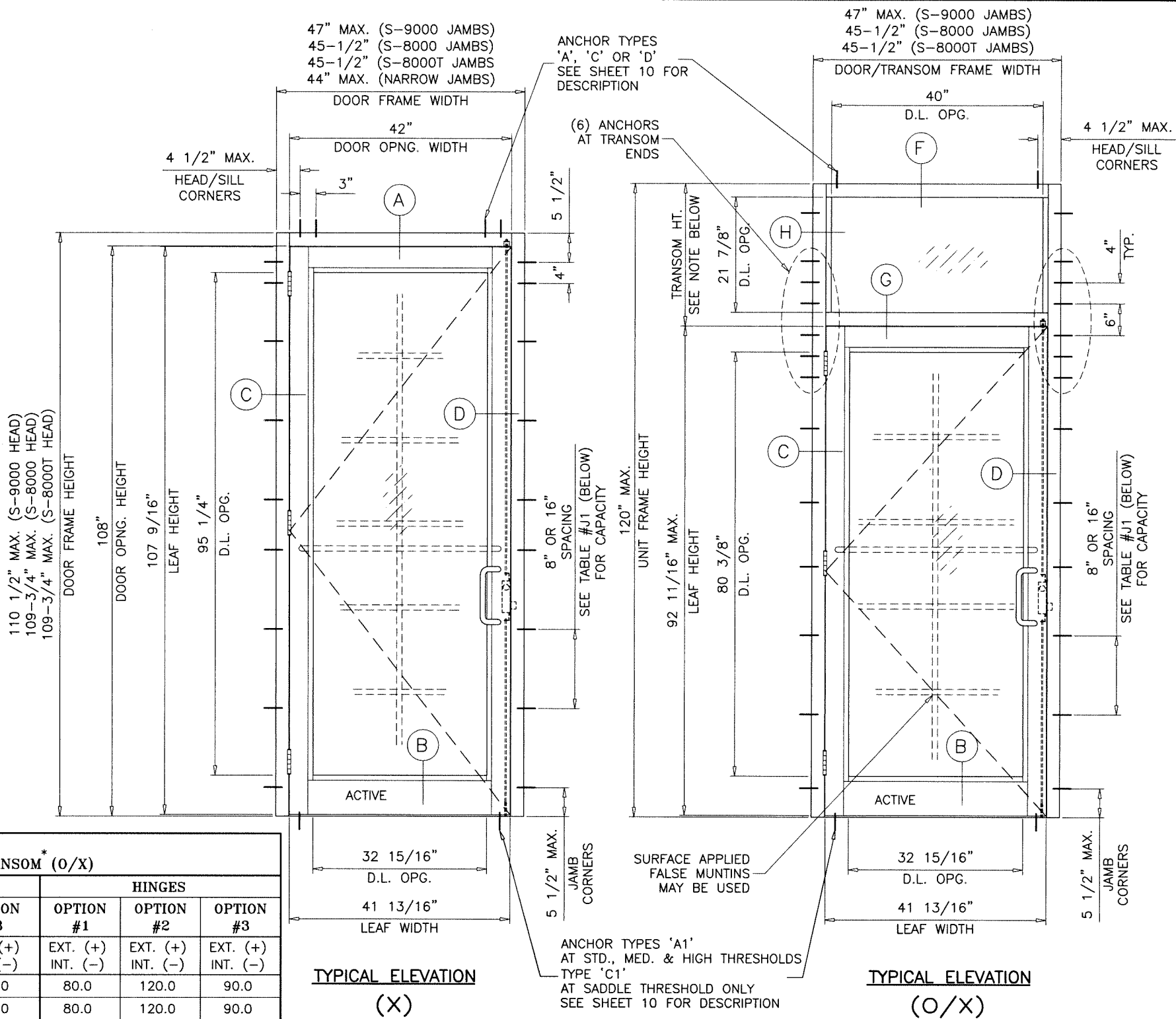
- 1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS  
OBTAIN LOAD CAPACITIES FROM TABLE #D1.
- 2- SELECT THRESHOLD TYPE TO BE USED.  
WATER RATED HIGH THRESHOLD ITEM #E2B (ES-9026) +120.0 PSF  
NON WATER RATED MEDIUM THRESHOLD ITEM #E2D (ES-9000-036) +120.0 PSF  
NON WATER RATED (STANDARD THRESHOLD +90.0 PSF)  
NON WATER RATED (SADDLE THRESHOLD +80.0 PSF)
- 3- FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN  
LOAD CAPACITIES FROM TABLE #J1.
- 4- TRANSOMS FOR SINGLE DOORS ARE LIMITED TO ±90.0 PSF \*  
SEE ELEVATION AT RIGHT FOR TRANSOM END ANCHORS.
- THE LOWEST VALUES FROM STEPS 1, 2, 3  
AND 4 WILL GOVERN.

| TABLE #D1          |                     | DOORS LOAD CAPACITY - PSF                               |                      |                         |                      |                      |                      |                      |                      |                      |
|--------------------|---------------------|---------------------------------------------------------|----------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                    |                     | SINGLE DOORS WITHOUT TRANSOM (X) OR WITH TRANSOM* (O/X) |                      |                         |                      |                      |                      |                      |                      |                      |
|                    |                     | GLASS                                                   |                      |                         | LOCKS                |                      |                      | HINGES               |                      |                      |
| DOOR DIMS.         |                     | TYPE<br>'A'                                             | TYPE<br>'B'/'C'      | TYPE<br>'A.2'/'C.1'/'D' | OPTION<br>#1         | OPTION<br>#2/2.1     | OPTION<br>#3         | OPTION<br>#1         | OPTION<br>#2         | OPTION<br>#3         |
| DOOR OPG.<br>WIDTH | DOOR OPG.<br>HEIGHT | EXT. (+)<br>INT. (-)                                    | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-)    | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |
| 42"                | 96"                 | 80.0                                                    | 120.0                | 90.0                    | 80.0                 | 90.0                 | 120.0                | 80.0                 | 120.0                | 90.0                 |
| 42"                | 108"                | 80.0                                                    | 120.0                | 90.0                    | 80.0                 | 90.0                 | 120.0                | 80.0                 | 120.0                | 90.0                 |

SINGLE DOORS WITH SADDLE THRESHOLD LIMITED TO +80.0, -80.0 PSF  
SEE SHEET 7 FOR GLASS TYPES DESCRIPTION  
SEE SHEET 16 FOR LOCKS AND HINGES DESCRIPTION

| TABLE #J1          |                     | JAMB ANCHORS LOAD CAPACITY - PSF (NOT APPLICABLE AT TRANSOM ENDS SEE NOTE 4) |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |       |       |
|--------------------|---------------------|------------------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------|-------|
|                    |                     | SINGLE DOORS WITHOUT TRANSOM (X) OR WITH TRANSOM (O/X)                       |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |       |       |
|                    |                     | 1/4" SHIM SPACE                                                              |                    |                    |                    |                    |                    | 3/8" SHIM SPACE    |                    |                    |                    | 1/2" SHIM SPACE    |                    |       |       |
|                    |                     | SPACING AT 16" O.C.                                                          |                    | SPACING AT 8" O.C. |                    | AT 16" O.C.        |                    | AT 8" O.C.         |                    | AT 16" O.C.        |                    | AT 8" O.C.         |                    |       |       |
| DOOR DIMS.         |                     | ANCHOR<br>'A'                                                                | ANCHOR<br>'C'      | ANCHOR<br>'D'      | ANCHOR<br>'A'      | ANCHOR<br>'C'      | ANCHOR<br>'D'      | ANCHOR<br>'A'      | ANCHOR<br>'C'      | ANCHOR<br>'A'      | ANCHOR<br>'C'      | ANCHOR<br>'A'      | ANCHOR<br>'C'      |       |       |
| DOOR OPG.<br>WIDTH | DOOR OPG.<br>HEIGHT | EXT.(+)<br>INT.(-)                                                           | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) | EXT.(+)<br>INT.(-) |       |       |
| 35"                | 108"                | 112.5                                                                        | 120.0              | 120.0              | 120.0              | 120.0              | 120.0              | 82.5               | 82.5               | 120.0              | 120.0              | 64.2               | 92.7               | 120.0 | 120.0 |
| 42"                | 108"                | 95.7                                                                         | 111.0              | 120.0              | 120.0              | 120.0              | 120.0              | 70.2               | 100.0              | 120.0              | 120.0              | 54.6               | 78.9               | 109.2 | 120.0 |

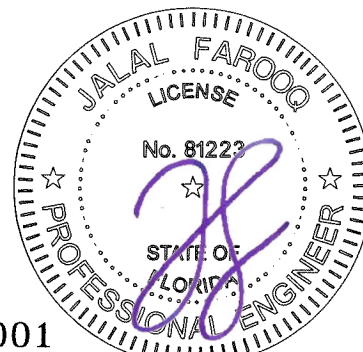
SEE SHEET 10 FOR ANCHOR DESCRIPTION



TYPICAL ELEVATION  
(X)

TYPICAL ELEVATION  
(O/X)

TRANSOM HEIGHTS:  
27" MAX. FOR S-8000 TRANSOM  
36" MAX. FOR S-8000T TRANSOM

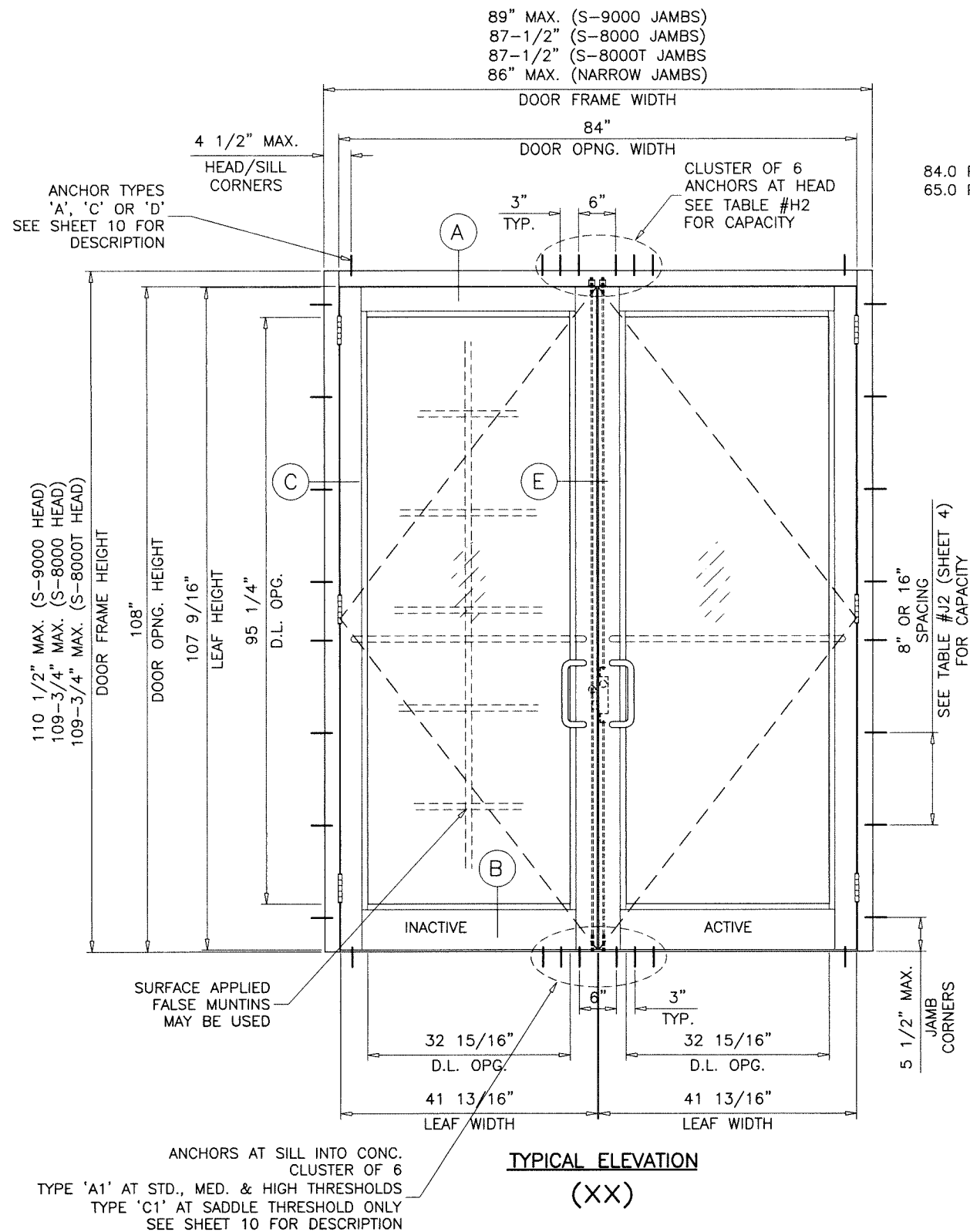


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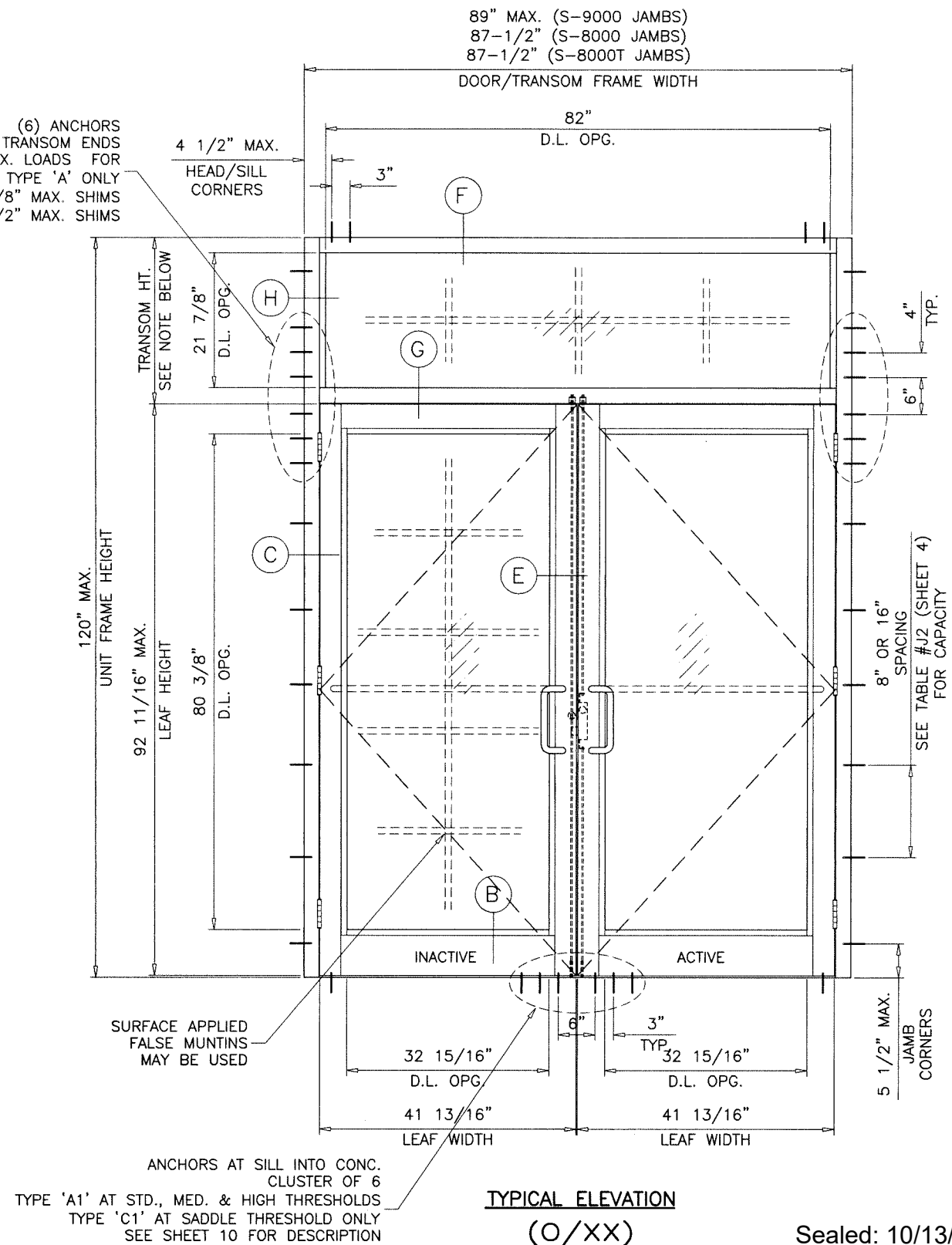
SERIES-M0500 ALUM OUTSWING FRENCH DOOR (L.M.I.)  
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no. date by description  
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sheet 2 of 18

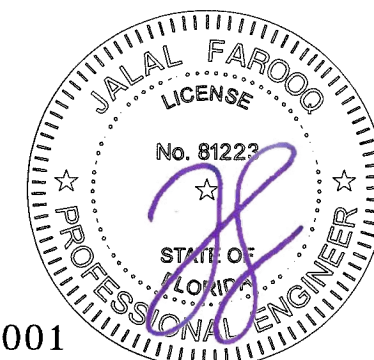


SEE CHARTS ON SHEET 4 FOR DOUBLE DOOR AND TRANSOM LOAD CAPACITY

(6) ANCHORS AT TRANSOM ENDS LIMIT MAX. LOADS FOR ANCHORS TYPE 'A' ONLY 84.0 PSF WITH 3/8" MAX. SHIMS 65.0 PSF WITH 1/2" MAX. SHIMS



TRANSOM HEIGHTS:  
27" MAX. FOR S-8000 TRANSOM  
36" MAX. FOR S-8000T TRANSOM



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SERIES-MC500 ALUM OUTSWING FRENCH DOOR (L.M.I.)

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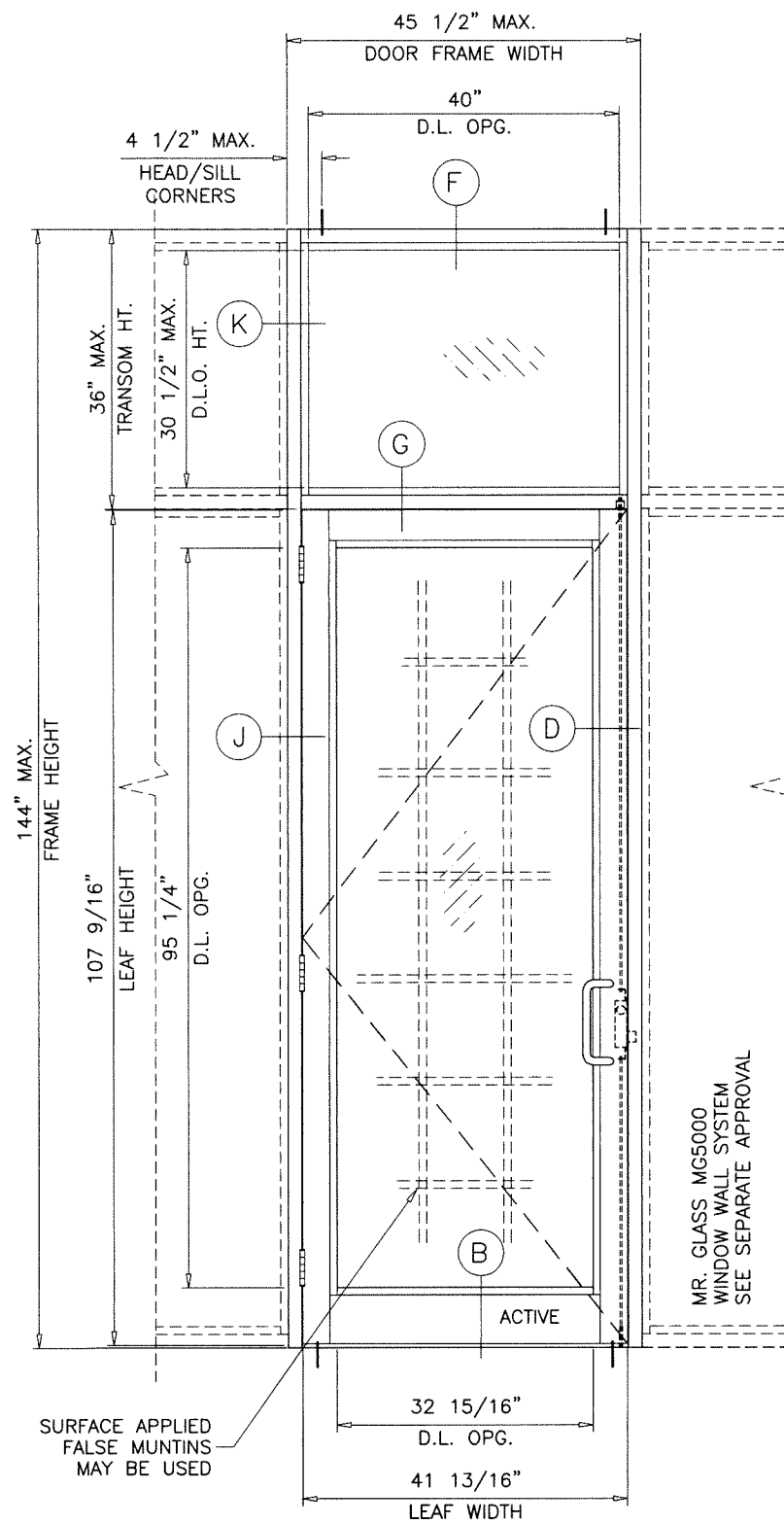
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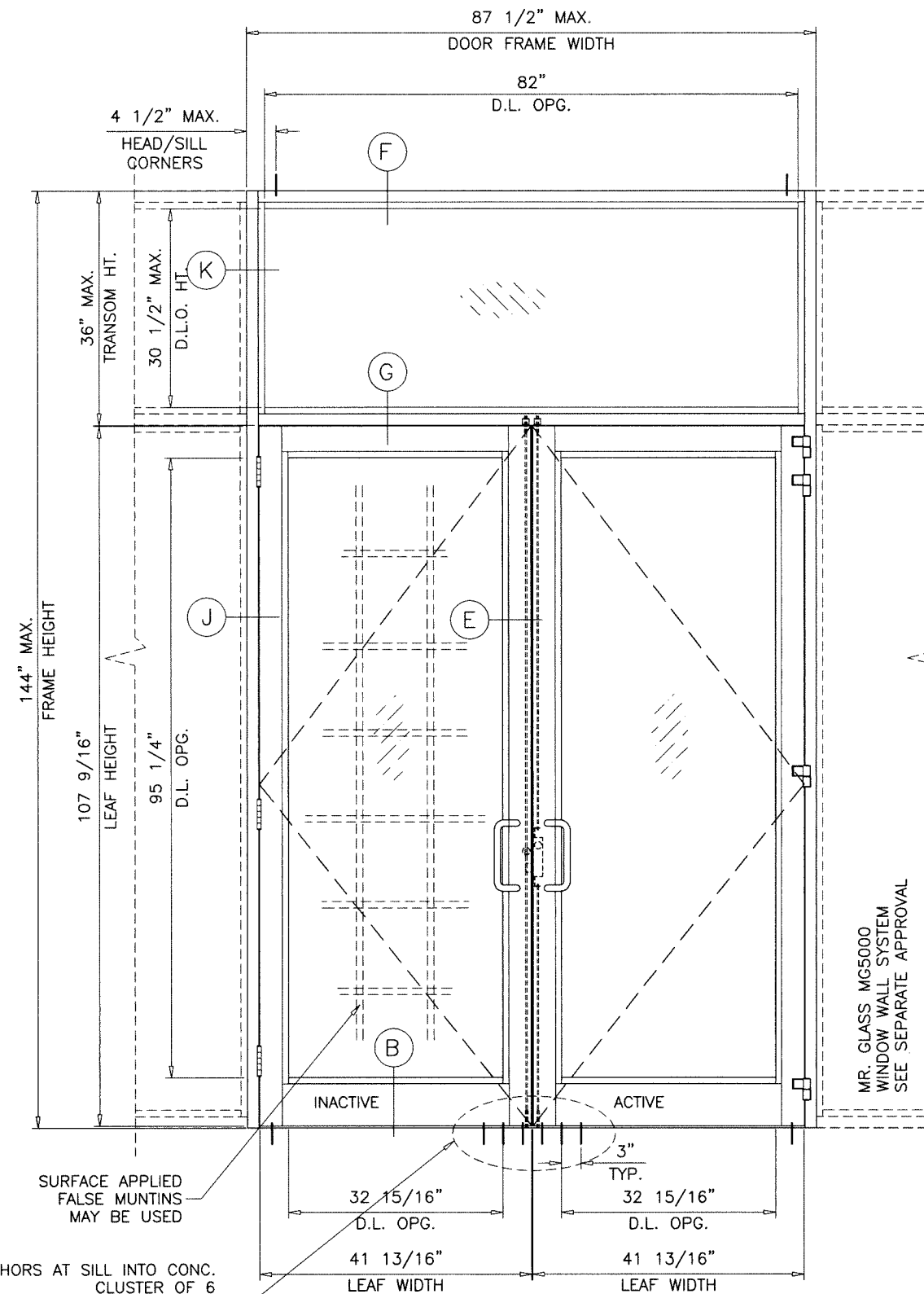
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drawing no.  
**18-47F**  
sheet 3 of 18



**TYPICAL ELEVATION**  
**SINGLE (O/X)**  
**(ES-8000 TRANSOM)**



**TYPICAL ELEVATION**  
**DOUBLE (O/XX)**  
**(ES-8000 TRANSOM)**

ANCHORS AT SILL INTO CONC.  
 CLUSTER OF 6  
 TYPE 'A1' AT STD., MED. & HIGH THRESHOLDS  
 TYPE 'C1' AT SADDLE THRESHOLD ONLY  
 SEE SHEET 10 FOR DESCRIPTION

SINGLE (O/X) AND DOUBLE (O/XX) DOORS WITH 36" MAX. TRANSOM HEIGHTS  
 APPROVED WITH ES-8000 WINDOW WALL SYSTEM ONLY  
 LIMIT MAX. DESIGN LOADS TO ±90.0 PSF  
 GLASS AT TRANSOM TYPE 'B' ONLY

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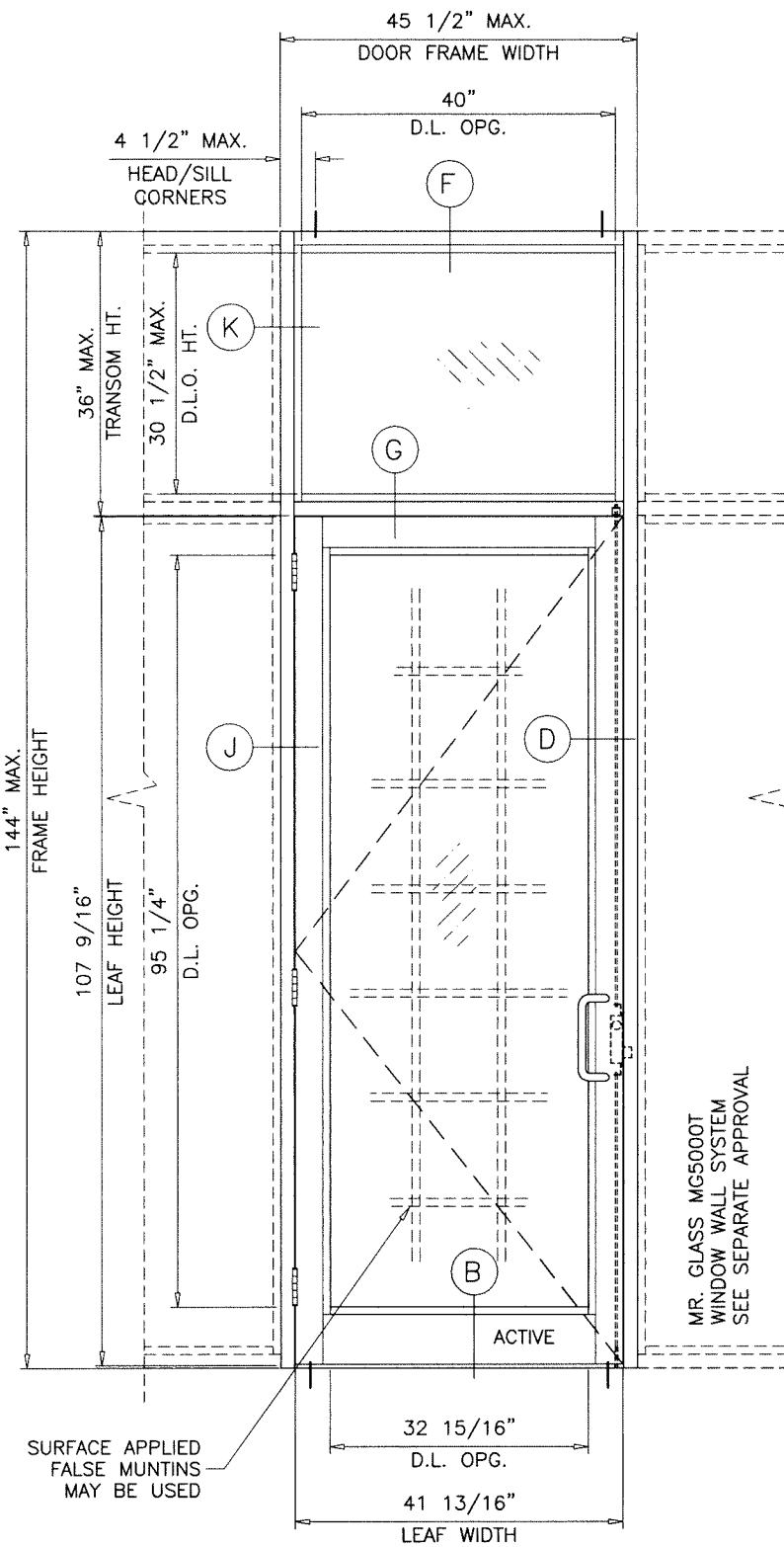
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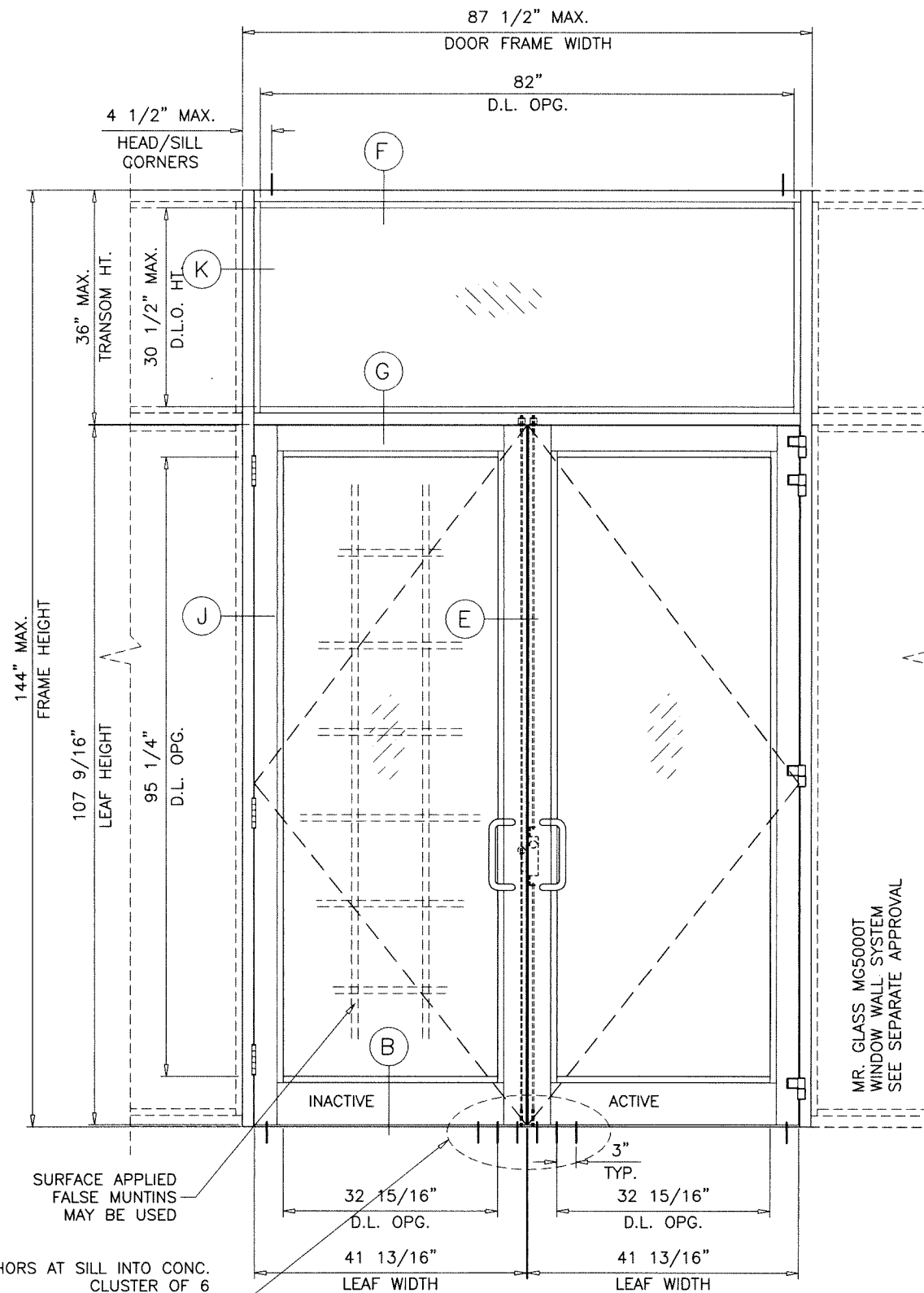
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 sheet 3.1 of 18



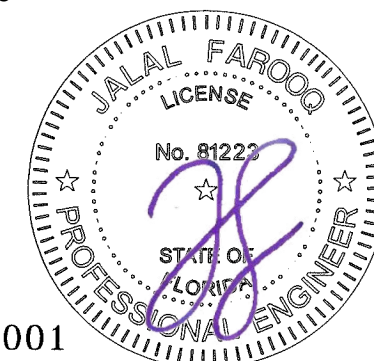
**TYPICAL ELEVATION**  
SINGLE (O/X)  
(ES-8000T TRANSOM)



**TYPICAL ELEVATION**  
DOUBLE (O/XX)  
(ES-8000T TRANSOM)

SINGLE (O/X) AND DOUBLE (O/XX) DOORS WITH 36" MAX. TRANSOM HEIGHTS  
APPROVED WITH ES-8000T WINDOW WALL SYSTEM ONLY  
MAX. DESIGN LOADS TO ±75.0 PSF (UNREINFORCED HORIZONTAL)  
MAX. DESIGN LOADS TO +80.0, -90.0 PSF (REINFORCED HORIZONTAL)  
SEE SHEET 12 FOR REINFORCING DETAIL  
GLASS AT TRANSOM TYPE 'E' & 'E-R' ONLY

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**18-47F**  
sheet 3.2 of 18

- FOR CLASS TYPE, LOCK AND HINGE OPTIONS  
OBTAIN LOAD CAPACITIES FROM TABLE #D2.
- SELECT THRESHOLD TYPE TO BE USED.  
WATER RATED HIGH THRESHOLD ITEM #E2B (ES-9026) +90.0 PSF  
NON WATER RATED MEDIUM THRESHOLD ITEM #E2D (ES-9000-036) +90.0 PSF  
NON WATER RATED (STANDARD THRESHOLD +90.0 PSF)  
NON WATER RATED (SADDLE THRESHOLD +80.0 PSF)
- FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN  
LOAD CAPACITIES FROM TABLE #J2.  
SEE ELEVATION ON SHEET 3 FOR TRANSOM END ANCHORS.  
(MIN. 6 ANCHORS REQD. IN ALL CASES)
- FOR HEAD ANCHORS, TYPE/SHIMSPACE OBTAIN  
LOAD CAPACITIES FROM TABLE #H2.  
THE LOWEST VALUES FROM STEPS 1, 2, 3  
AND 4 WILL GOVERN.

DOUBLE DOORS WITH SADDLE THRESHOLD LIMITED TO +80.0, -80.0 PSF  
SEE SHEET 7 FOR GLASS TYPES DESCRIPTION  
SEE SHEET 16 FOR LOCKS AND HINGES DESCRIPTION

SEE SHEET 10 FOR ANCHOR DESCRIPTION

SEE SHEET 10 FOR ANCHOR DESCRIPTION

A circular professional engineer seal for Jalal Farooq. The outer ring contains the text "JALAL FAROOQ" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom, also separated by two stars. In the center, the license number "No. P1223" is displayed. A large, stylized purple signature is written across the center of the seal, overlapping the license number and the state name. The number "001" is printed in the bottom left corner of the page.

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SERIES—MCS500 ALUMINUM CLUTSINGG FRERISEHDOORR (LUMN).

MR—GLASS DOORS & WINDOWS MANUFACTURING, LLC  
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18-47F

sheet 4 of 18

**SINGLE OR DOUBLE DOORS WITHOUT TRANSOMS  
USE CHARTS AS FOLLOWS  
FOR THE CORRESPONDING DOOR SIZE**

- 1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS  
OBTAIN LOAD CAPACITIES FROM TABLE #D3.
  - 2- THESE DOORS APPROVED WITH STD. THRESHOLD ONLY.
  - 3- FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN  
LOAD CAPACITIES FROM TABLE #J3.
  - 4- FOR HEAD ANCHORS, TYPE/SHIMSPACE OBTAIN  
LOAD CAPACITIES FROM TABLE #H3.
- THE LOWEST VALUES FROM STEPS 1, 3 AND 4  
WILL GOVERN.

| TABLE #D3                                    |                     |                         |                     |                       |                    |
|----------------------------------------------|---------------------|-------------------------|---------------------|-----------------------|--------------------|
| DOORS LOAD CAPACITY - PSF                    |                     |                         |                     |                       |                    |
| SINGLE(X) OR DOUBLE(X) DOORS WITHOUT TRANSOM |                     |                         |                     |                       |                    |
| SINGLE DOOR(X)<br>DIMS.                      |                     | DOUBLE DOOR(X)<br>DIMS. |                     | GLASS<br>TYPE 'A.1'   | LOCKS<br>OPTION #3 |
| DOOR OPG.<br>WIDTH                           | DOOR OPG.<br>HEIGHT | DOOR OPG.<br>WIDTH      | DOOR OPG.<br>HEIGHT | HINGES<br>OPTION #2.1 |                    |
| 35-1/4"                                      | 96-1/2"             | 70-1/2"                 | 96-1/2"             | EXT. (+)<br>INT. (-)  |                    |
|                                              |                     |                         |                     | 105.3                 |                    |

SEE SHEET 7 FOR GLASS TYPES DESCRIPTION  
SEE SHEET 16 FOR LOCKS AND HINGES DESCRIPTION

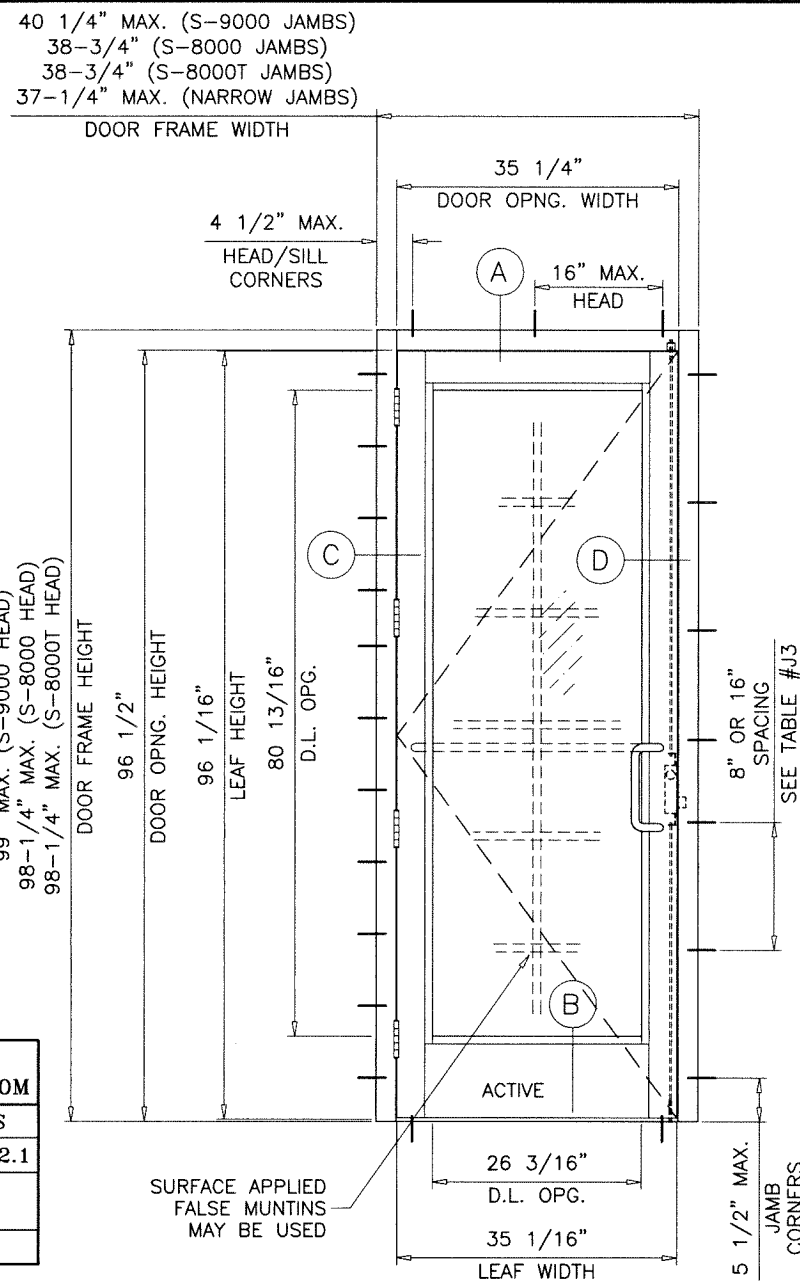
| TABLE #J3                                 |                     |                         |                     |                          |                      |                      |                      |                      |                      |                      |
|-------------------------------------------|---------------------|-------------------------|---------------------|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| JAMB ANCHORS LOAD CAPACITY - PSF          |                     |                         |                     |                          |                      |                      |                      |                      |                      |                      |
| SINGLE(X) DOUBLE(X) DOORS WITHOUT TRANSOM |                     |                         |                     |                          |                      |                      |                      |                      |                      |                      |
| SINGLE DOOR(X)<br>DIMS.                   |                     | DOUBLE DOOR(X)<br>DIMS. |                     | 1/4" SHIM SPACE          |                      | 3/8" SHIM SPACE      |                      | 1/2" SHIM SPACE      |                      |                      |
|                                           |                     |                         |                     | SPACING AT 16" O.C.      |                      | AT 16"               |                      | AT 8" O.C.           |                      |                      |
|                                           |                     |                         |                     | ANCHOR<br>'A', 'C' & 'D' |                      | ANCHOR<br>'A'        | ANCHOR<br>'C'        | ANCHOR<br>'A' & 'C'  | ANCHOR<br>'A'        | ANCHOR<br>'C'        |
| DOOR OPG.<br>WIDTH                        | DOOR OPG.<br>HEIGHT | DOOR OPG.<br>WIDTH      | DOOR OPG.<br>HEIGHT | EXT. (+)<br>INT. (-)     | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |
| 35-1/4"                                   | 96-1/2"             | 70-1/2"                 | 96-1/2"             | 105.3                    | 82.0                 | 105.3                | 105.3                | 63.8                 | 92.1                 | 105.3                |

SEE SHEET 10 FOR ANCHOR DESCRIPTION

| TABLE #H3                        |                     |                          |                      |                      |                      |                      |
|----------------------------------|---------------------|--------------------------|----------------------|----------------------|----------------------|----------------------|
| HEAD ANCHORS LOAD CAPACITY - PSF |                     |                          |                      |                      |                      |                      |
| DOUBLE DOOR WITHOUT TRANSOM(X)   |                     |                          |                      |                      |                      |                      |
| DOOR DIMS.                       |                     | 1/4" SHIM SPACE          |                      | 3/8" SHIM SPACE      |                      | 1/2" SHIM SPACE      |
|                                  |                     | ANCHOR<br>'A', 'C' & 'D' |                      | ANCHOR<br>TYPE 'A'   | ANCHOR<br>TYPE 'C'   | ANCHOR<br>TYPE 'A'   |
| DOOR OPG.<br>WIDTH               | DOOR OPG.<br>HEIGHT | EXT. (+)<br>INT. (-)     | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) | EXT. (+)<br>INT. (-) |
| 70-1/2"                          | 96-1/2"             | 105.3                    | 98.9                 | 105.3                | 76.9                 | 105.3                |

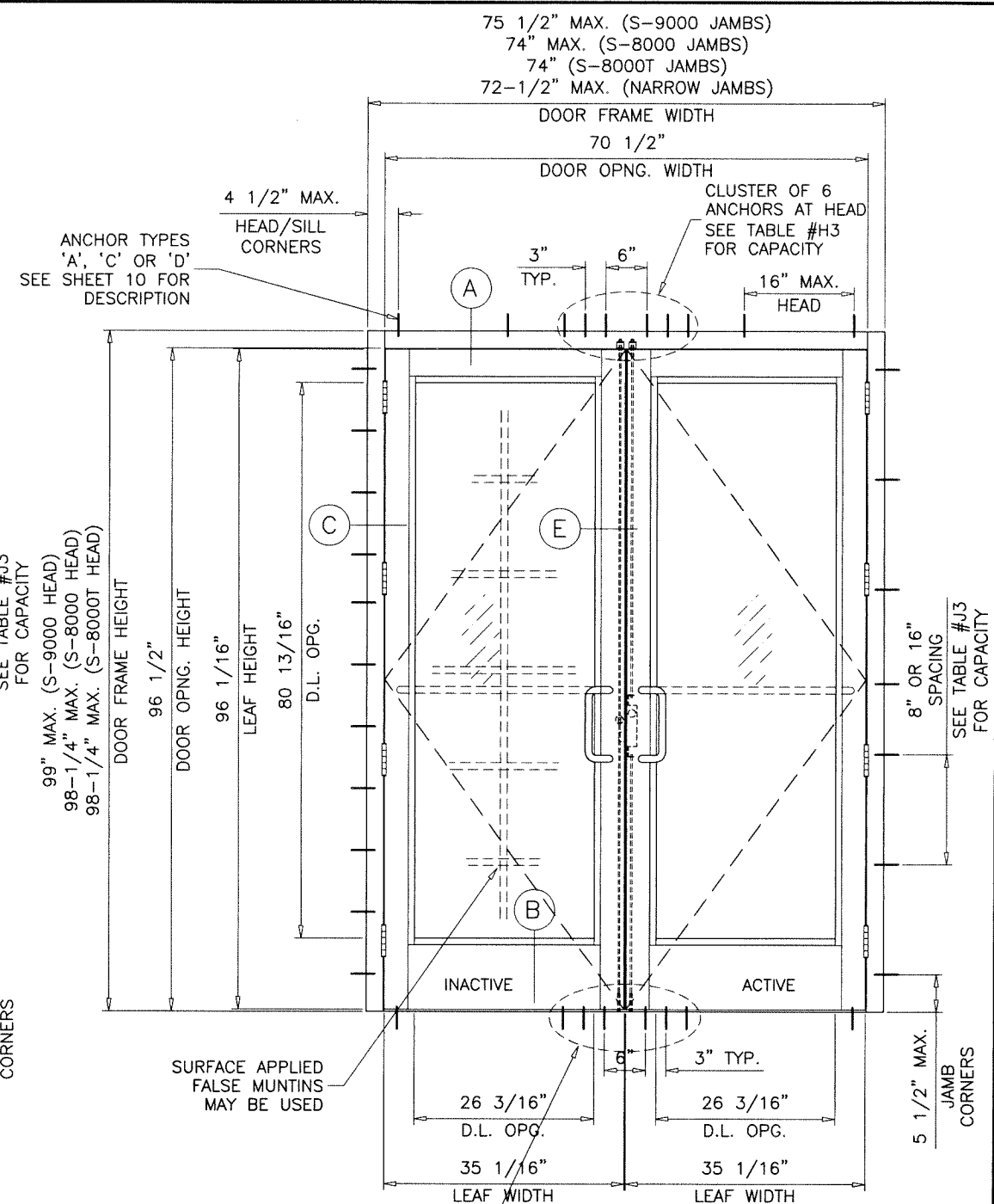
SEE SHEET 10 FOR ANCHOR DESCRIPTION

SILL ANCHORS DESIGN LOAD CAPACITY ALL SIZES = ± 105.3 PSF



**TYPICAL ELEVATION**

(X)



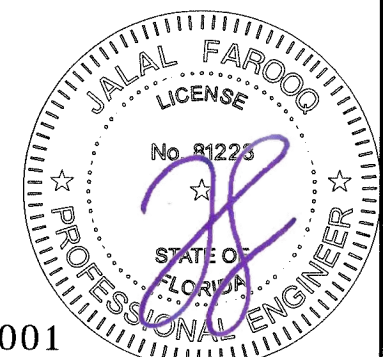
**TYPICAL ELEVATION**

(XX)

Sealed: 10/13/2026

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-16 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

FL #27001



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\18-47F-MG

SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)

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

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date: 04-20-18

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

dr. by: TARIQ

chk. by:

drawing no.

**18-47F**

sheet 5 of 18

**SINGLE DOORS WITHOUT TRANSOMS  
USE CHARTS AS FOLLOWS  
FOR THE CORRESPONDING DOOR SIZE**

- 1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS  
OBTAIN LOAD CAPACITIES FROM TABLES #D4.
- 2- THESE DOORS APPROVED WITH STD. THRESHOLD ONLY.
- 3- FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN  
LOAD CAPACITIES FROM TABLE #J4.

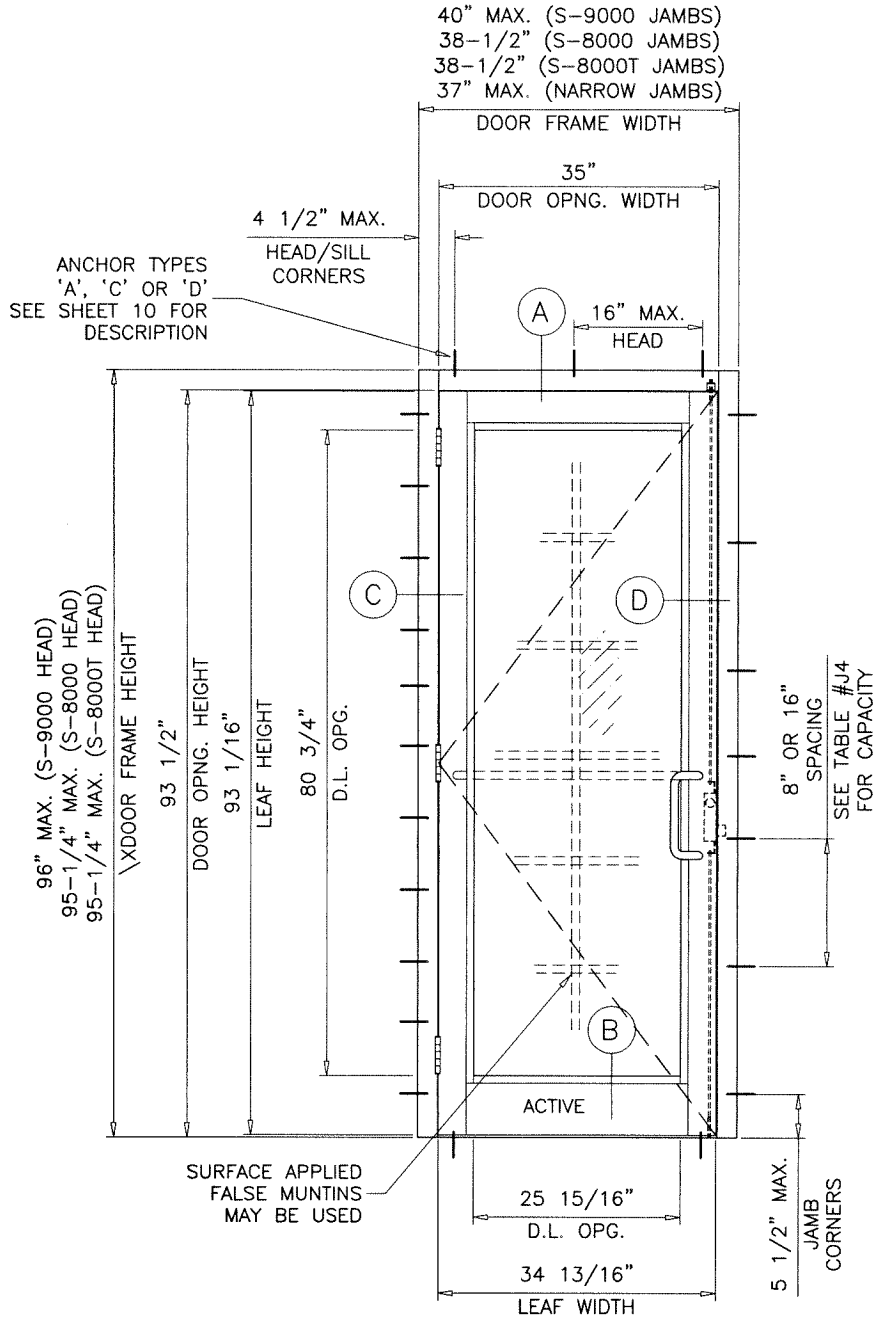
THE LOWEST VALUES FROM STEPS 1 AND 3  
WILL GOVERN.

| TABLE #D4               |                     | DOORS LOAD CAPACITY - PSF<br>SINGLE(X) DOORS WITHOUT TRANSOM |         |           |         |           |         |
|-------------------------|---------------------|--------------------------------------------------------------|---------|-----------|---------|-----------|---------|
| SINGLE DOOR(X)<br>DIMS. |                     | GLASS                                                        |         | LOCKS     |         | HINGES    |         |
|                         |                     | TYPE 'B.1'                                                   |         | OPTION #3 |         | OPTION #2 |         |
| DOOR OPG.<br>WIDTH      | DOOR OPG.<br>HEIGHT | EXT.(+)                                                      | INT.(-) | EXT.(+)   | INT.(-) | EXT.(+)   | INT.(-) |
| 35"                     | 93-1/2"             | 120.0                                                        | 130.0   | 120.0     | 130.0   | 120.0     | 130.0   |

SEE SHEET 7 FOR GLASS TYPES DESCRIPTION  
SEE SHEET 16 FOR LOCKS AND HINGES DESCRIPTION

| TABLE #J4               |                     | JAMB ANCHORS LOAD CAPACITY – PSF<br>SINGLE(X) DOORS WITHOUT TRANSOM |                    |                    |                          |                    |                    |                     |                    |                    |                    |                    |  |
|-------------------------|---------------------|---------------------------------------------------------------------|--------------------|--------------------|--------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--|
| SINGLE DOOR(X)<br>DIMS. |                     | 1/4" SHIM SPACE                                                     |                    |                    |                          | 3/8" SHIM SPACE    |                    |                     | 1/2" SHIM SPACE    |                    |                    |                    |  |
|                         |                     | AT 16" O.C.                                                         |                    | SPACING AT 8" O.C. |                          | AT 16"             |                    | AT 8" O.C.          | AT 16"             |                    | AT 8" O.C.         |                    |  |
|                         |                     | ANCHOR<br>'A'                                                       | ANCHOR<br>'C'      | ANCHOR<br>'D'      | ANCHOR<br>'A', 'C' & 'D' | ANCHOR<br>'A'      | ANCHOR<br>'C'      | ANCHOR<br>'A' & 'C' | ANCHOR<br>'A'      | ANCHOR<br>'C'      | ANCHOR<br>'A'      | ANCHOR<br>'C'      |  |
| DOOR OPG.<br>WIDTH      | DOOR OPG.<br>HEIGHT | EXT.(+)<br>INT.(–)                                                  | EXT.(+)<br>INT.(–) | EXT.(+)<br>INT.(–) | EXT.(+)<br>INT.(–)       | EXT.(+)<br>INT.(–) | EXT.(+)<br>INT.(–) | EXT.(+)<br>INT.(–)  | EXT.(+)<br>INT.(–) | EXT.(+)<br>INT.(–) | EXT.(+)<br>INT.(–) | EXT.(+)<br>INT.(–) |  |
| 35"                     | 93–1/2"             | 112.5                                                               | 130.0              | 130.0              | 130.0                    | 82.5               | 117.5              | 130.0               | 64.2               | 92.7               | 128.3              | 130.0              |  |

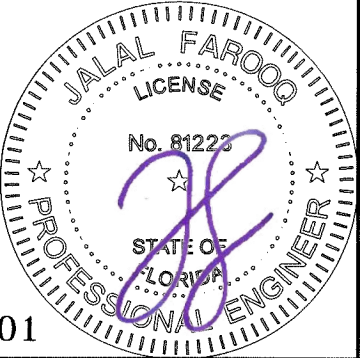
SEE SHEET 10 FOR ANCHOR DESCRIPTION



**TYPICAL ELEVATION  
(X)**

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-16 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

FL #27001



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(C.A.N. 3538)

SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)  
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8051 N.W. 79th Place  
Medley, FL. 33166  
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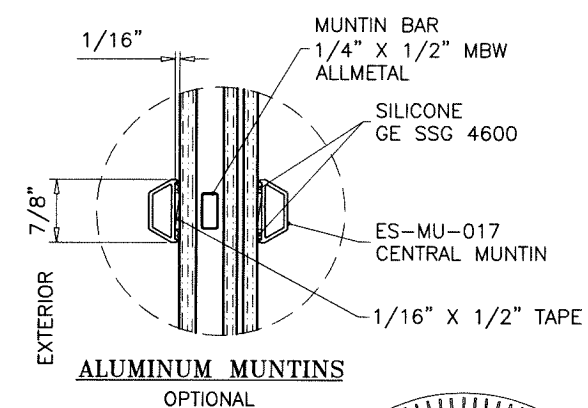
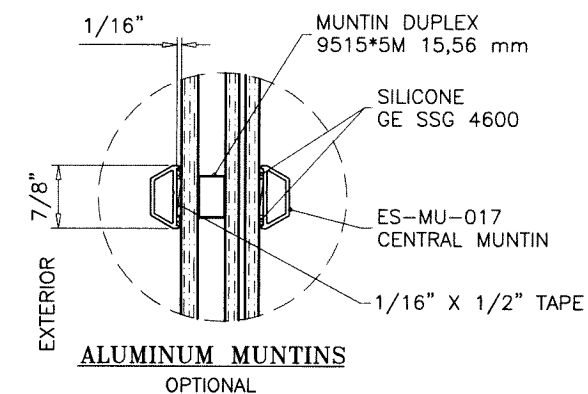
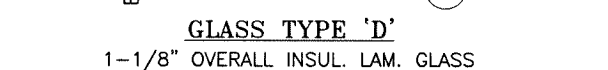
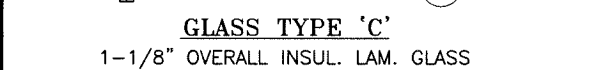
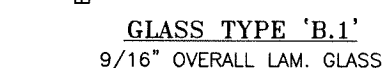
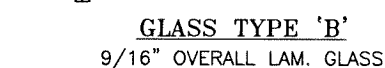
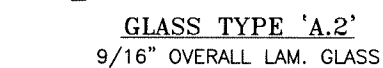
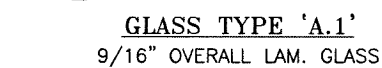
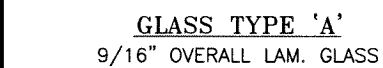
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chk. by:

drawing no.  
**18-47F**  
sheet 6 of 18

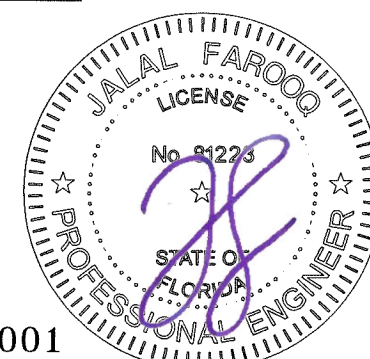
COMP-ANL \ 18-47F-MG

Sealed: 10/13/2026



3/8" AIR SPACE CONSISTING OF:  
SPACER:  
'HELIMA' LOW PROFILE ALUMINUM SPACER  
BY 'LINGERMANN GMBH'  
AROUND THE PERIMETER OF THE GLASS.  
PERIMETER SEALANT:  
SILICONE  
DOWSIL 791  
GE 2000

FL #27001



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
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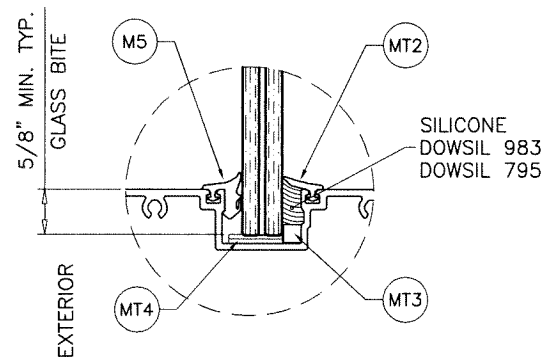
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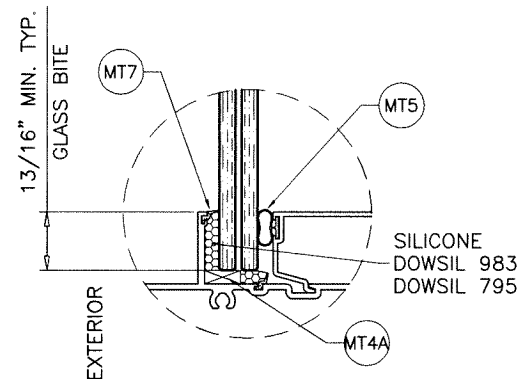
sheet 7 of 18

COMP-ANL\18-47F-MG



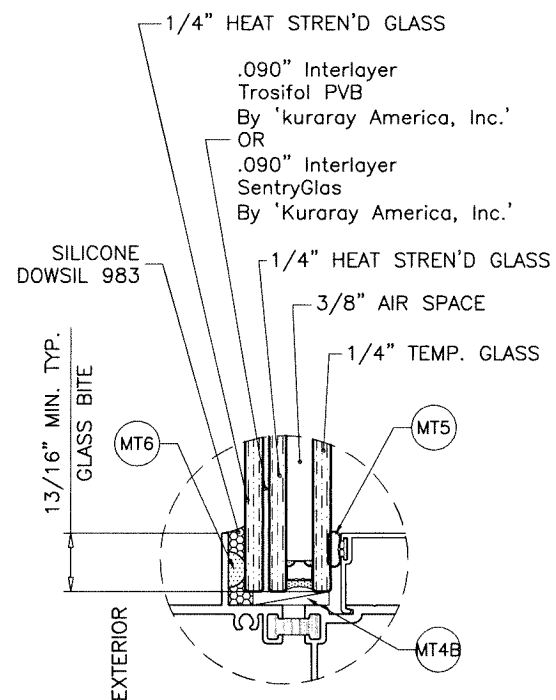
**GLAZING DETAIL**  
**S-9500 TRANSOM**

GLASS TYPES A. A.1, A.2, B & B.1



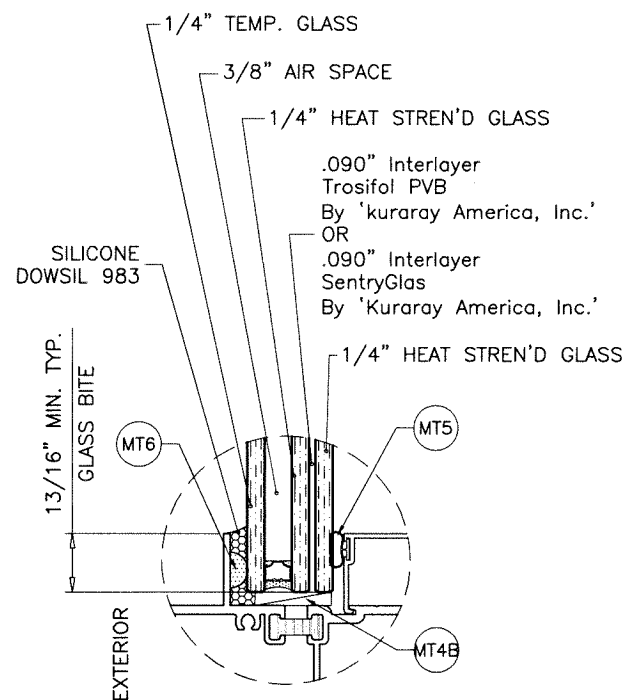
**GLAZING DETAIL**  
**S-8000 TRANSOM**

GLASS TYPES A. A.1, A.2, B & B.1



**GLASS TYPE 'E'**

1-1/4" OVERALL LAM. INSUL. GLASS



**GLASS TYPE 'E-R'**

1-1/4" OVERALL INSUL. LAM. GLASS

**3/8" AIR SPACE CONSISTING OF:**

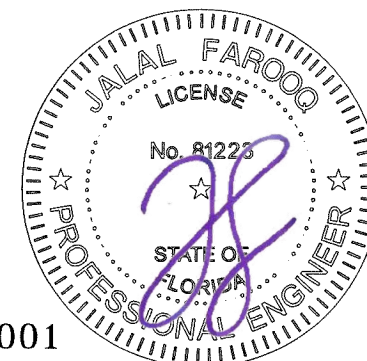
**SPACER:**

'HELIMA' LOW PROFILE ALUMINUM SPACER  
BY 'LINGERMANN GMBH'  
AROUND THE PERIMETER OF THE GLASS.

**PERIMETER SEALANT:**

SILICONE  
DOWSIL 791  
GE 2000

Sealed: 10/13/2026



FL #27001

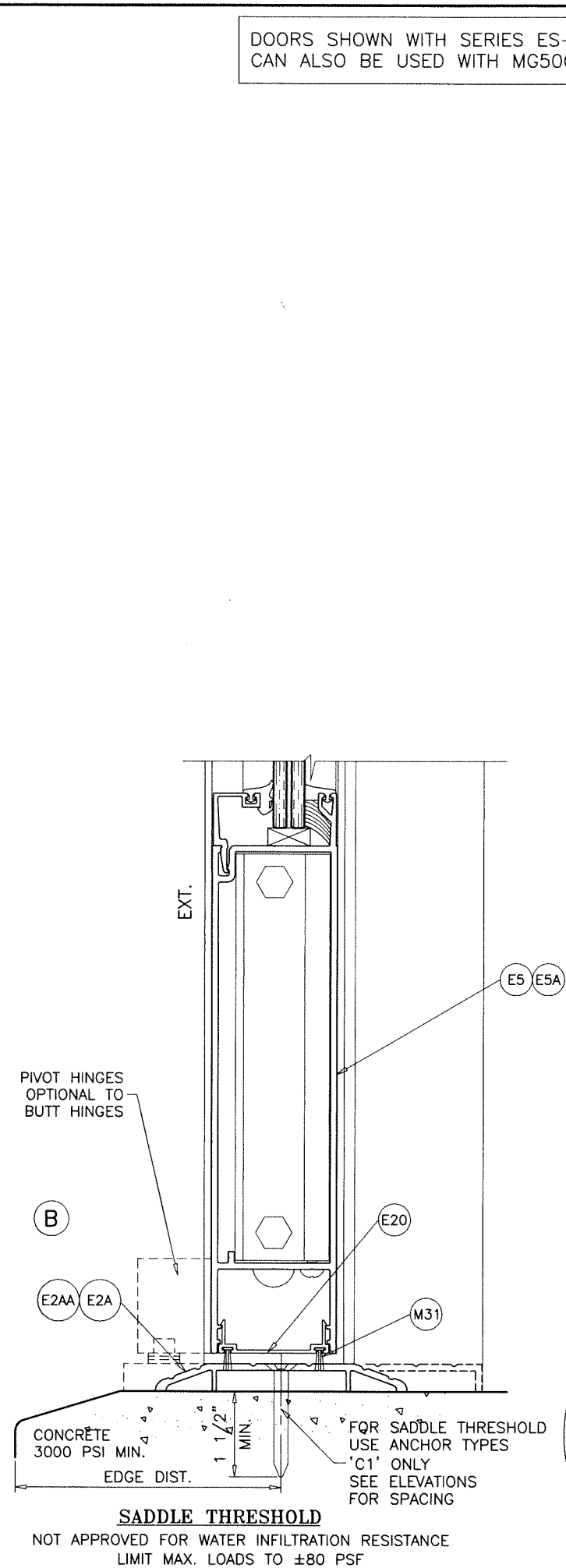
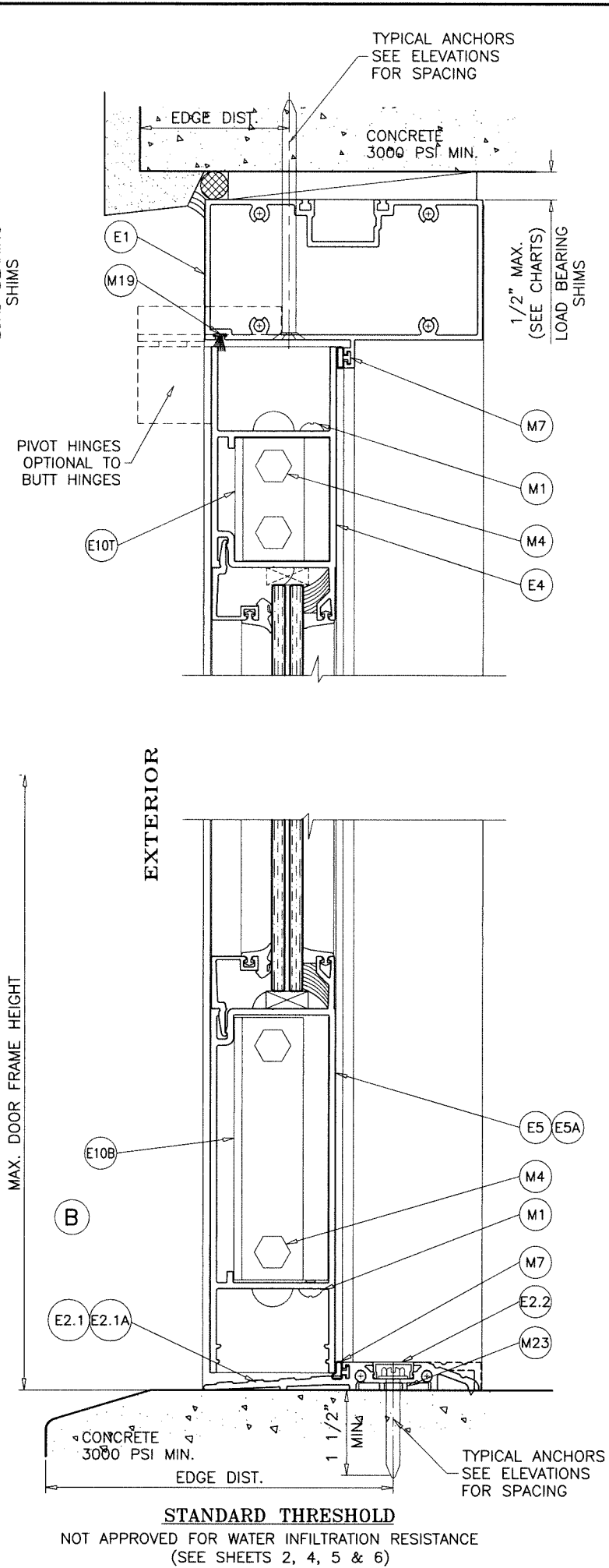
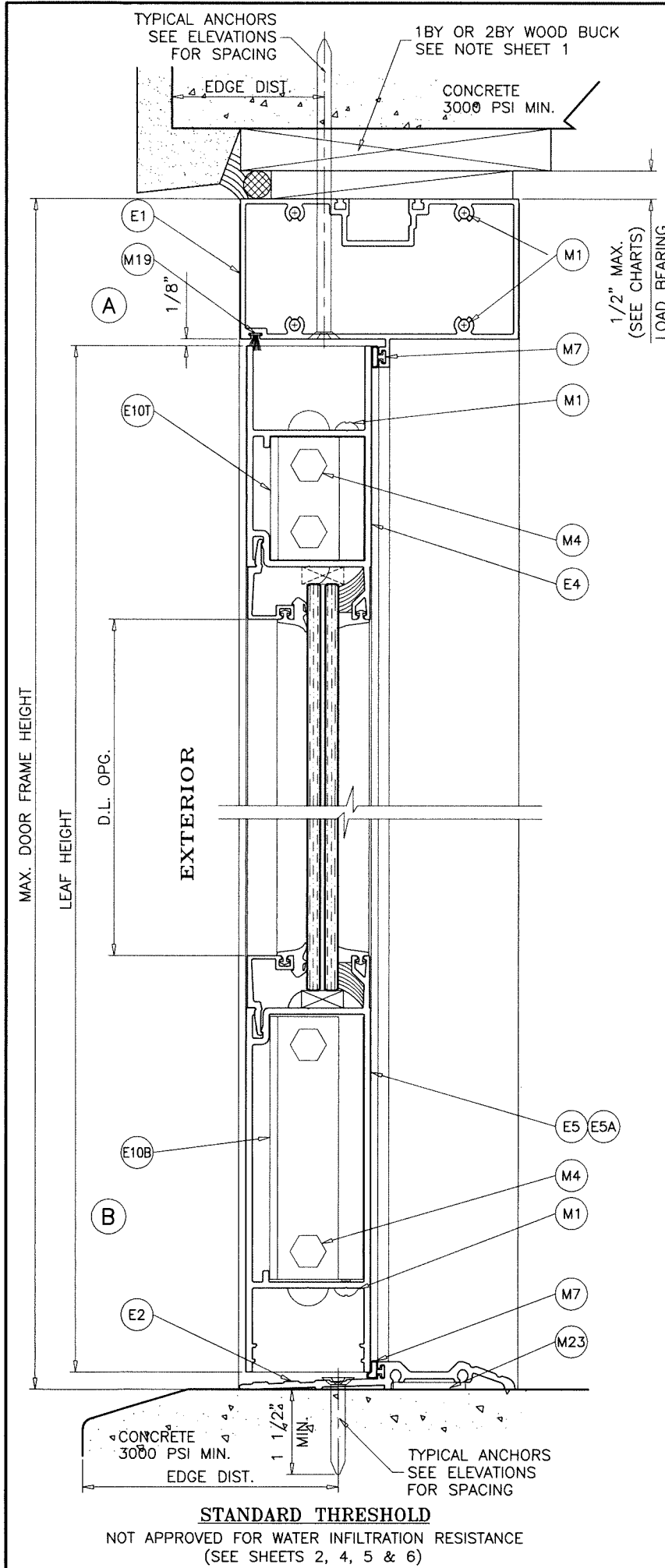
**AL-FAROOQ CORPORATION**  
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**18-47F**  
sheet 7.1 of 18



DOORS SHOWN WITH SERIES ES-9500 FRAMES.  
CAN ALSO BE USED WITH MG5000 & ES-8000T FRAMES.

**AL-FAROOQ CORPORATION**  
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COMP-ANL 18-47F-MG

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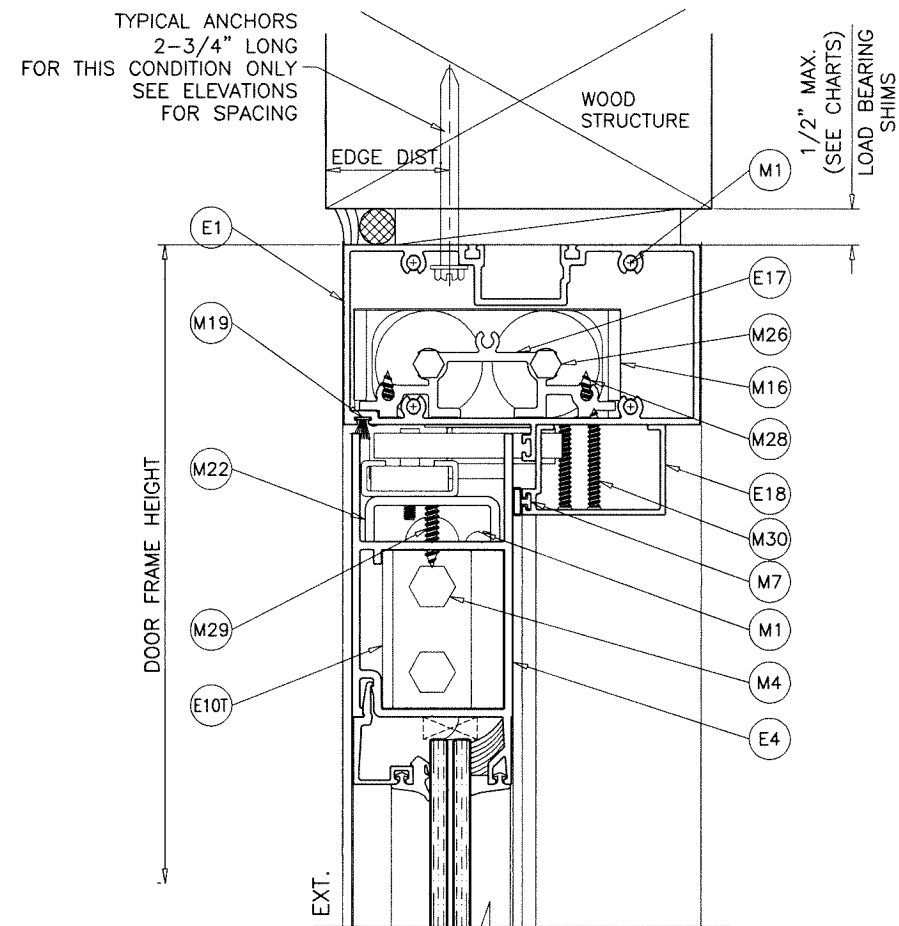
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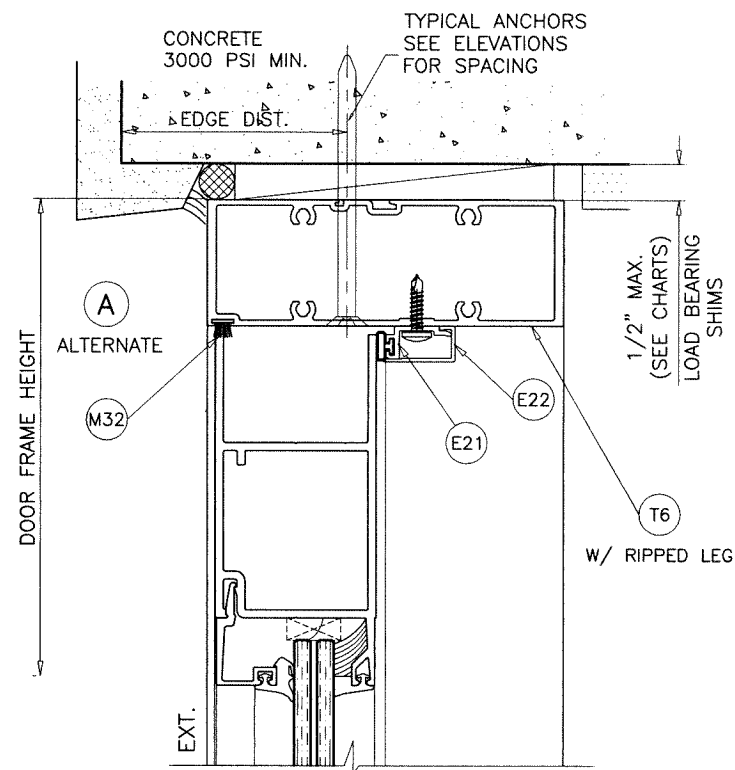
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**18-47F**  
sheet 8 of 18

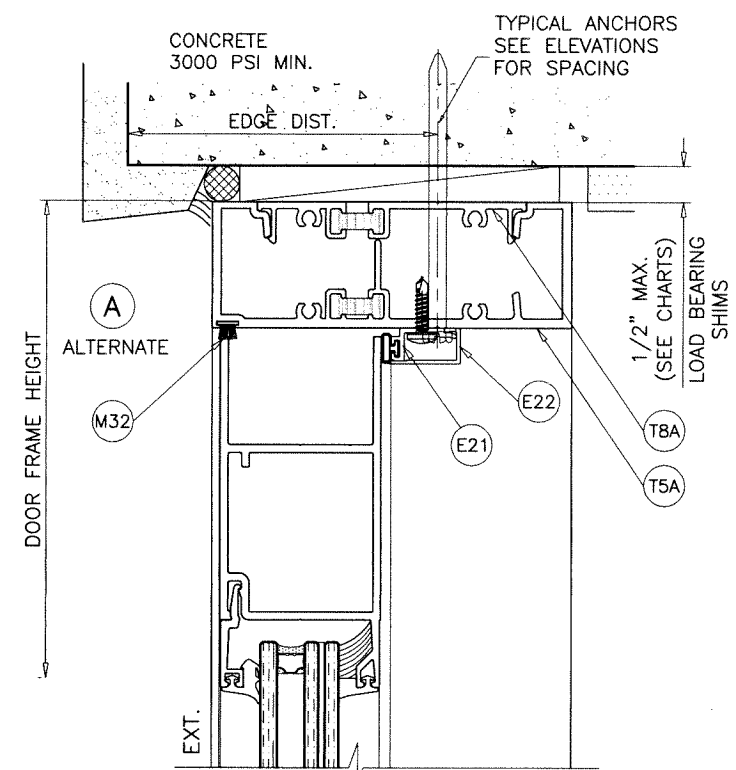
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FL #27001



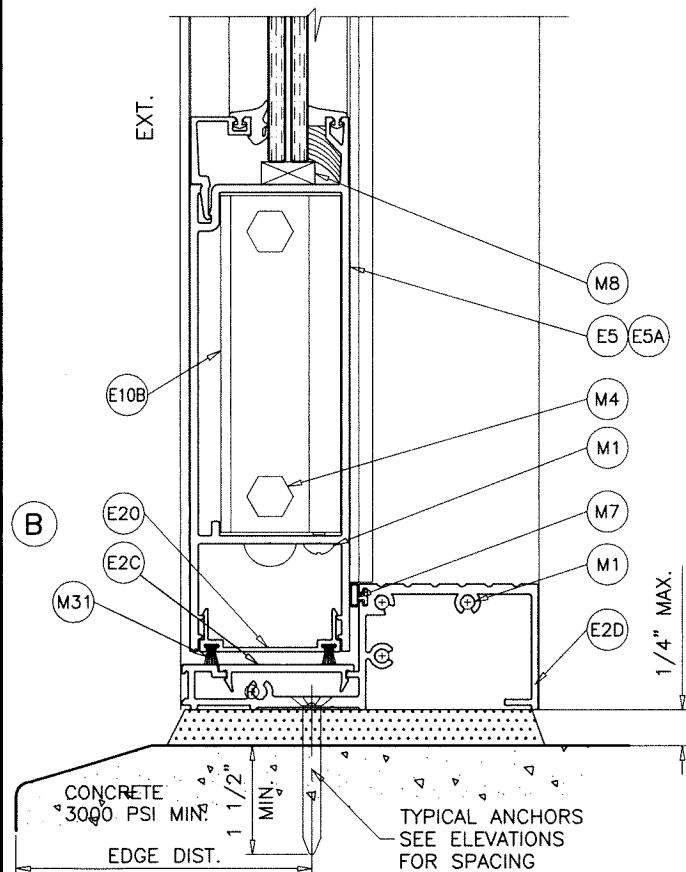
DOOR CLOSERS OPTIONAL



DOOR HEAD  
SERIES-MG5000 FRAME OPTION

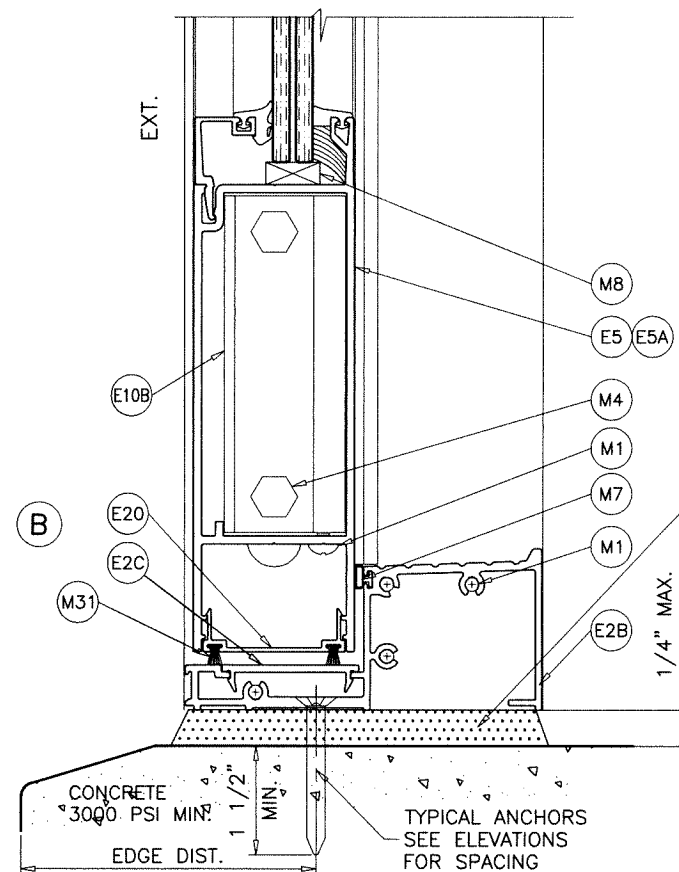


DOOR HEAD  
SERIES-8000T FRAME OPTION



MEDIUM THRESHOLD

NOT APPROVED FOR WATER INFILTRATION RESISTANCE



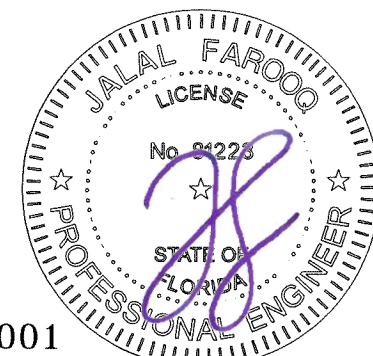
HIGH THRESHOLD

APPROVED FOR WATER INFILTRATION RESISTANCE

HIGH STRENGTH GROUT  
POURED & HARDENED  
f'c = 5000 PSI MIN.  
NOT BY MR. GLASS  
MUST TRANSFER SHEAR  
LOADS TO STRUCTURE

DOORS SHOWN WITH SERIES ES-9500 FRAMES.  
CAN ALSO BE USED WITH MG5000 & ES-8000T FRAMES.

Sealed: 10/13/2026



FL #27001

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| drawing no. 18-47F |                  |               |          |
| sheet 9 of 18      |                  |               |          |

1X OR 2X WOOD BUCKS AND METAL STRUCTURES NOT BY 'MR. GLASS'  
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND  
TRANSFER THEM TO THE BUILDING STRUCTURE.

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

**TYPE 'A' - 1/4" DIA. ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI)

THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR BLOCKS  
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)  
1-1/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS  
2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)  
2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

**ANCHOR EDGE DISTANCES**

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

**TYPE 'C' - 5/16" ULTRACON BY 'DEWALT'** (Fu=177 KSI, Fy=155 KSI)

THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR BLOCKS  
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)  
1-1/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS  
2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)  
2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

**ANCHOR EDGE DISTANCES**

INTO CONCRETE AND BLOCKS = 3-1/8" MIN.  
INTO WOOD STRUCTURE = 1-1/4" MIN.

**TYPE 'D' - 1/4" TEKS OR SELF DRILLING SCREWS** (GRADE 5 CRS)

INTO F.B.C. APPROVED MULLIONS  
OR  
INTO METAL STRUCTURES (HEAD/JAMBS)  
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE  
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)  
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

**ANCHOR EDGE DISTANCES**

INTO METAL STRUCTURE = 1/2" MIN.

**TYPE 'A1' - 1/4" X 1-3/4" ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI)

DIRECTLY INTO CONCRETE (FOR STD. AND HIGH THRESHOLD)  
WITH 1-1/2" MIN. EMBED INTO CONCRETE

**ANCHOR EDGE DISTANCES**

INTO CONCRETE = 2-1/2" MIN.

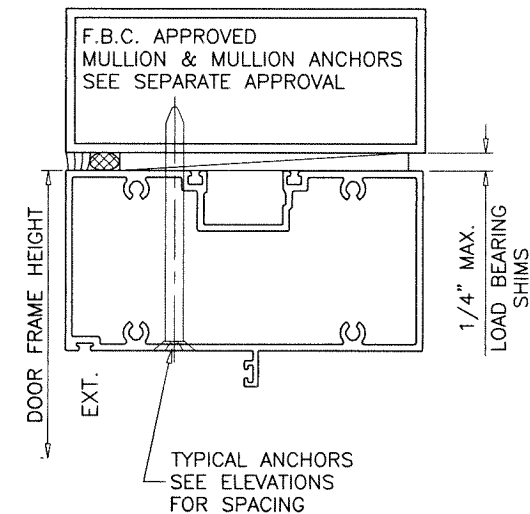
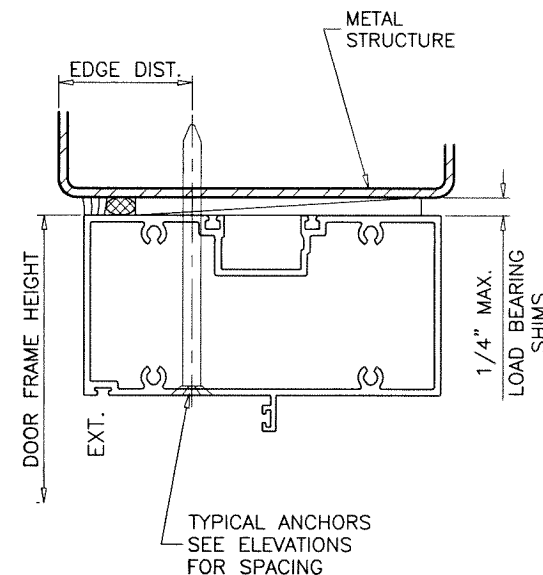
**TYPE 'C1' - 5/16" X 2" ULTRACON BY 'DEWALT'** (Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO CONCRETE (FOR SADDLE THRESHOLD)  
WITH 1-1/2" MIN. EMBED INTO CONCRETE

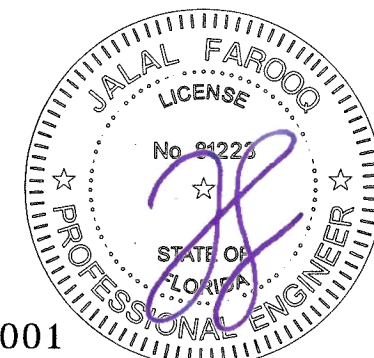
**ANCHOR EDGE DISTANCES**

INTO CONCRETE = 3-1/8" MIN.

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



Sealed: 10/13/2026



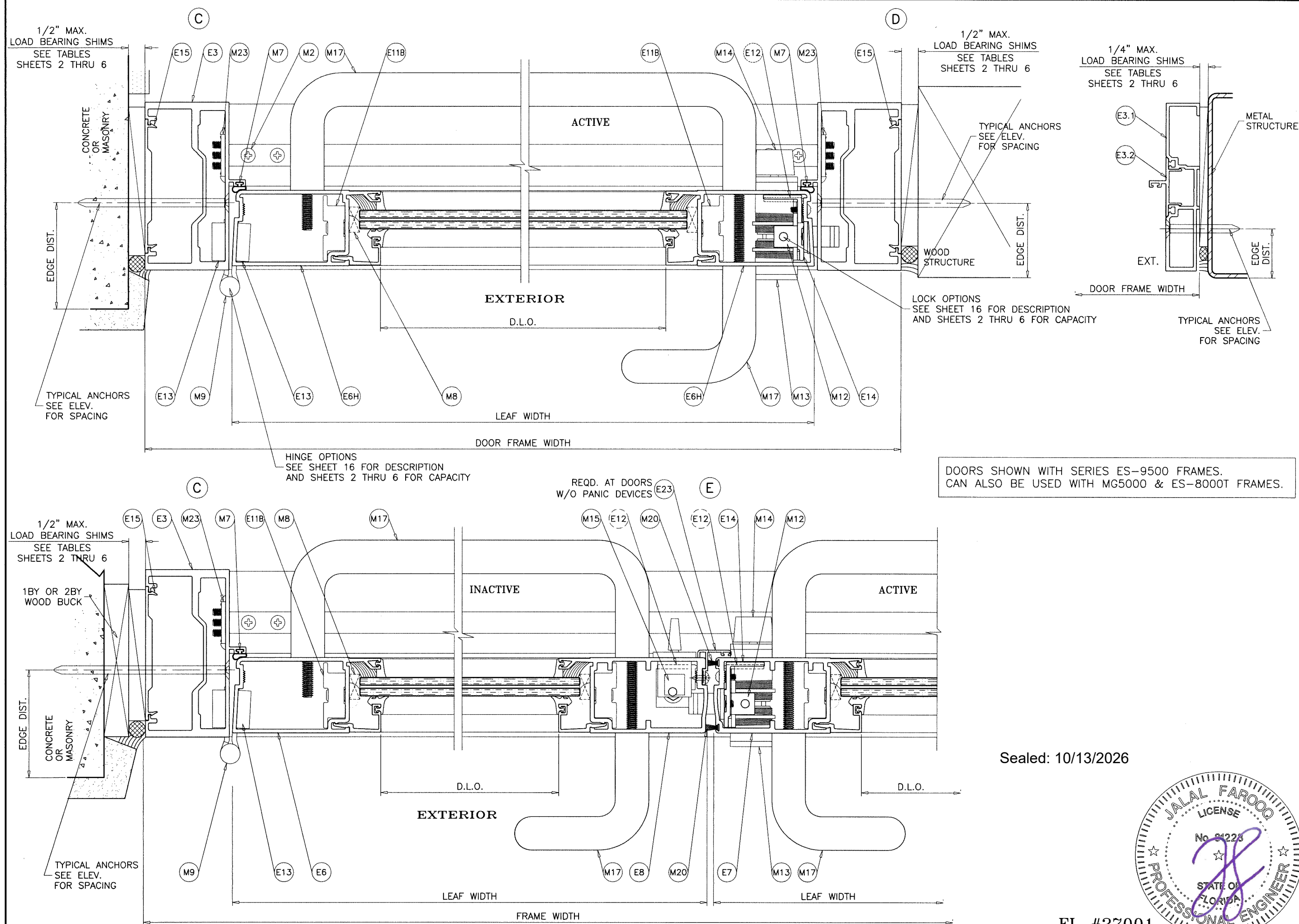
SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)  
**MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC**  
8051 N.W. 79th Place  
Medley, FL. 33166  
Tel. (305) 764-3963 Fax. (305) 470-8285

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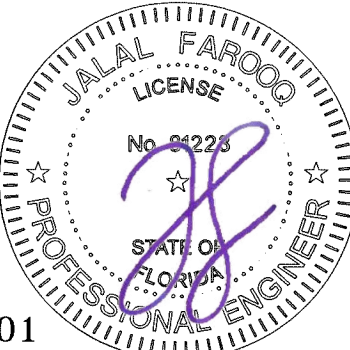
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**18-47F**  
sheet 10 of 18

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173 (C.A.N. 3538)  
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COMP-ANL 18-47F-MG



DOORS SHOWN WITH SERIES ES-9500 FRAMES.  
CAN ALSO BE USED WITH MG5000 & ES-8000T FRAMES.

Sealed: 10/13/2026



**AL-FAROOQ CORPORATION**  
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MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL 18-47F-MG

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SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)

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

18-47F

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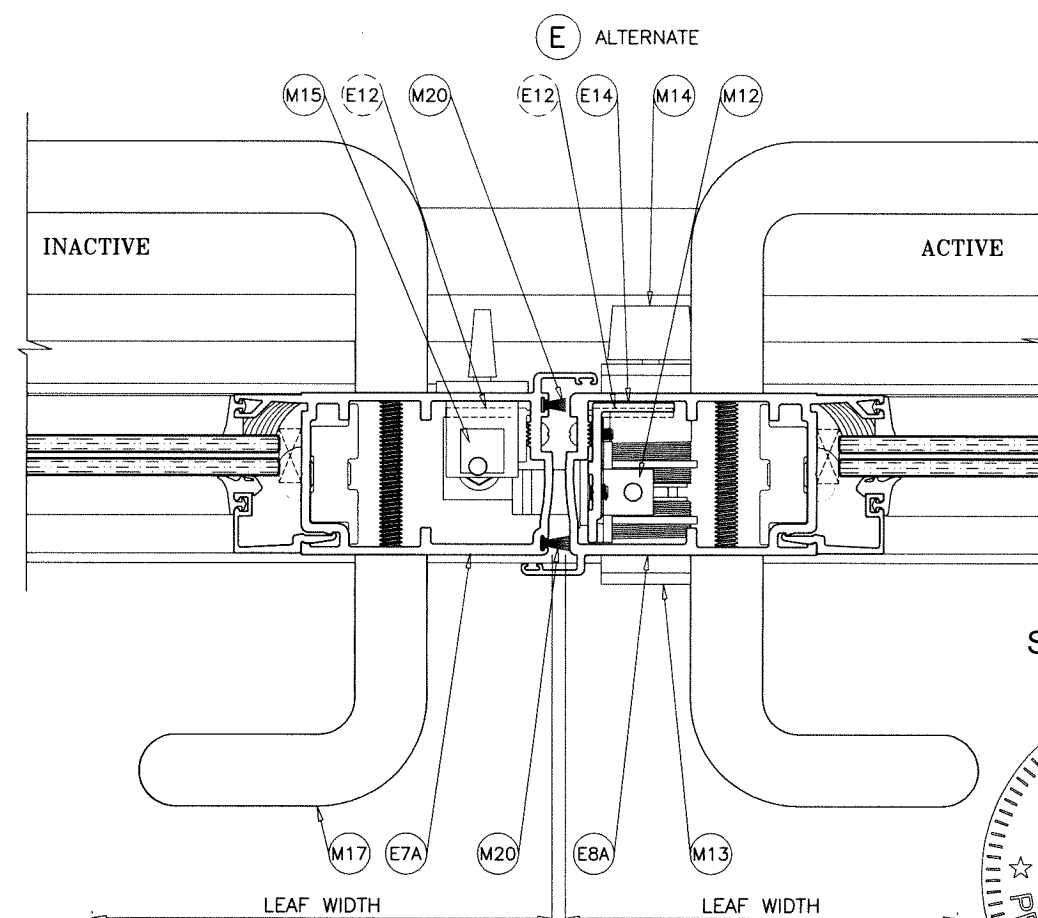
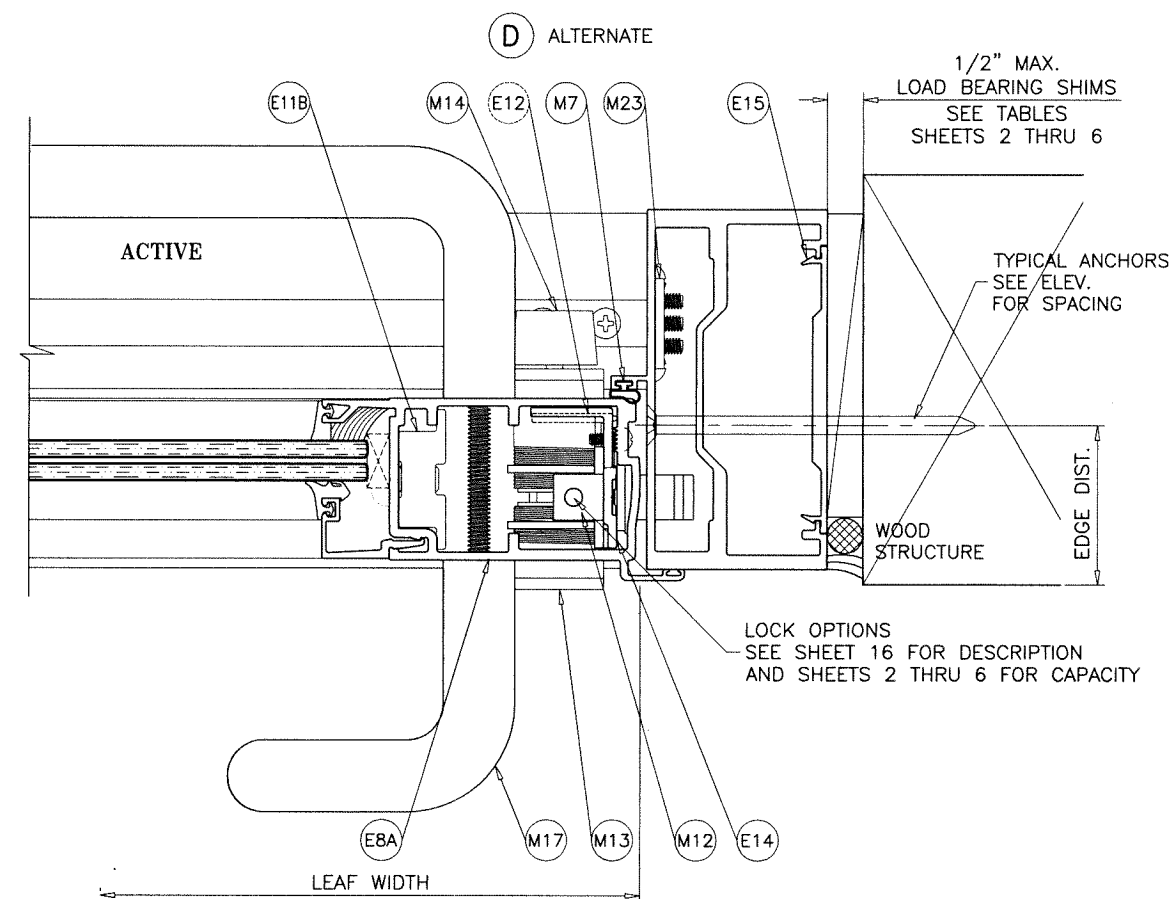
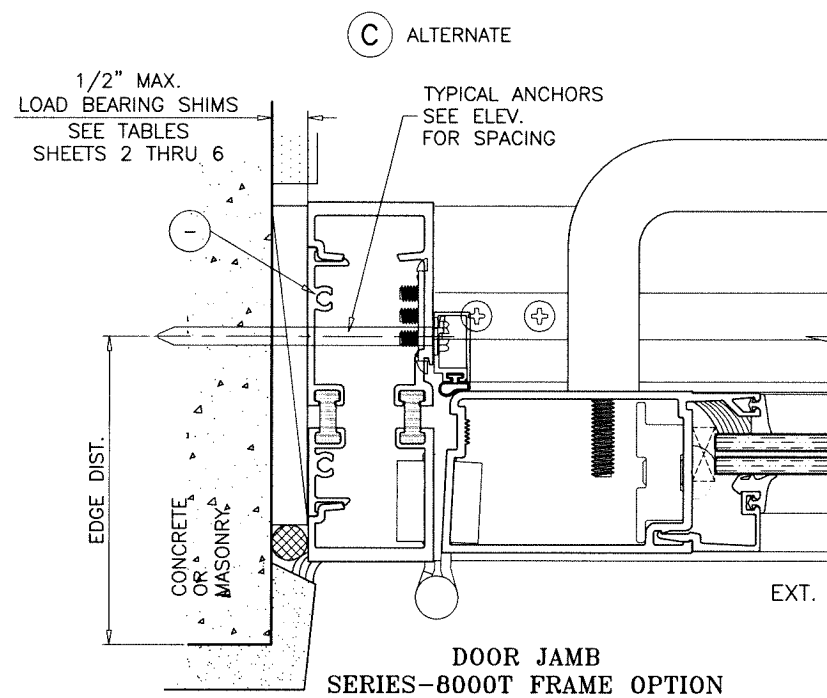
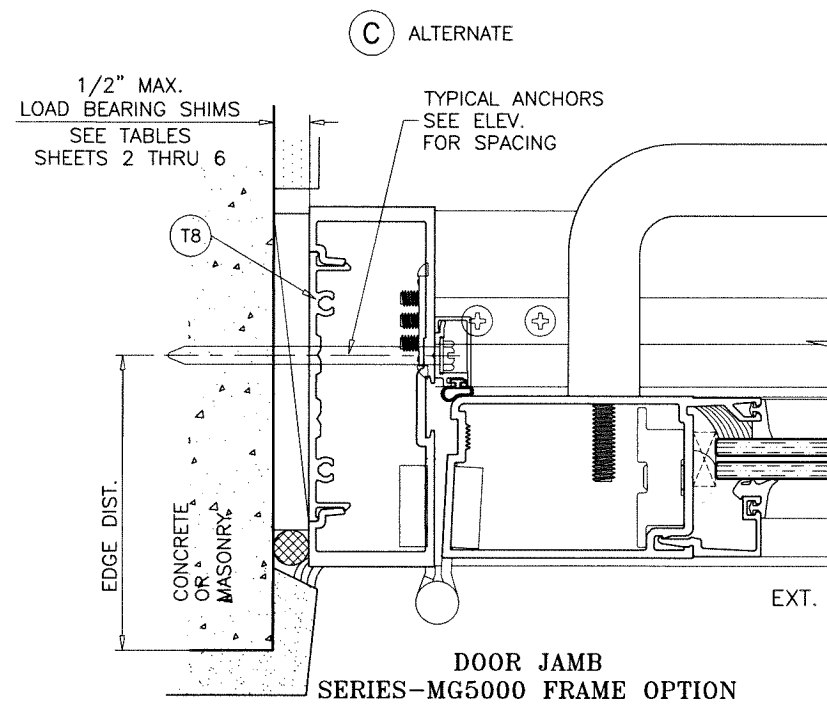
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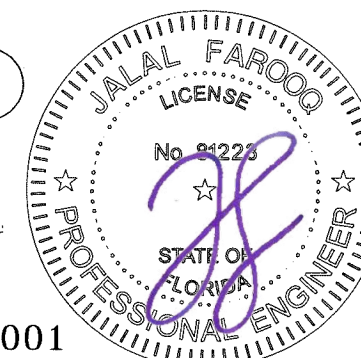
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FL #27001



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**SERIES-MC500 ALUM OUTSWING FRENCH DOOR (L.M.I.)**  
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8051 N.W. 79th Place  
Medley, FL. 33166  
Tel. (305) 764-3963 Fax. (305) 470-8285

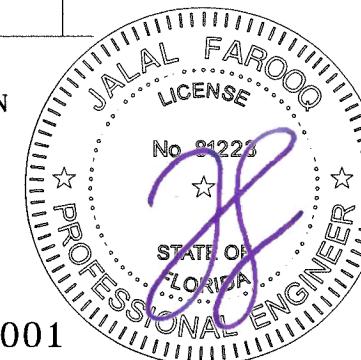
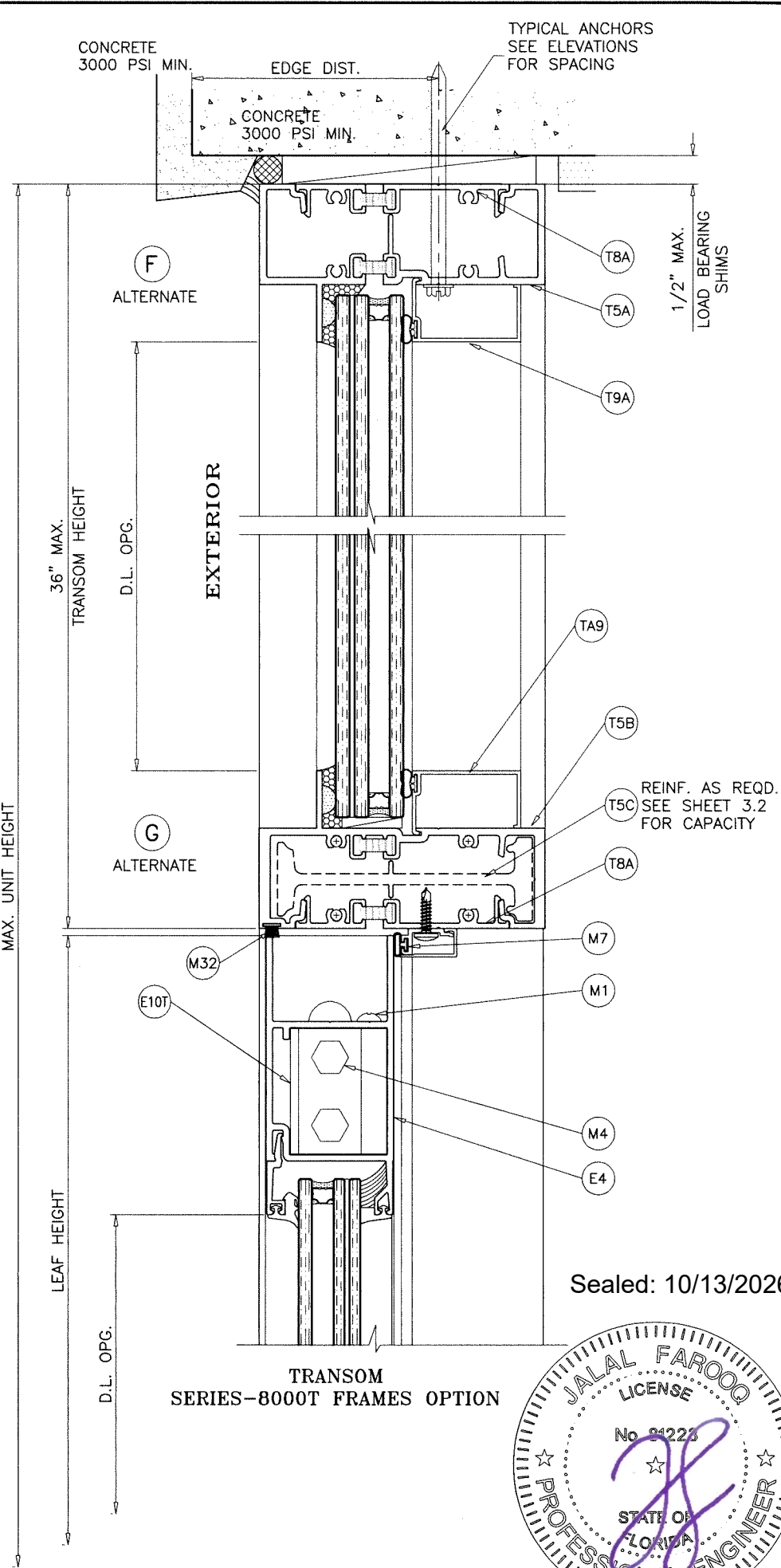
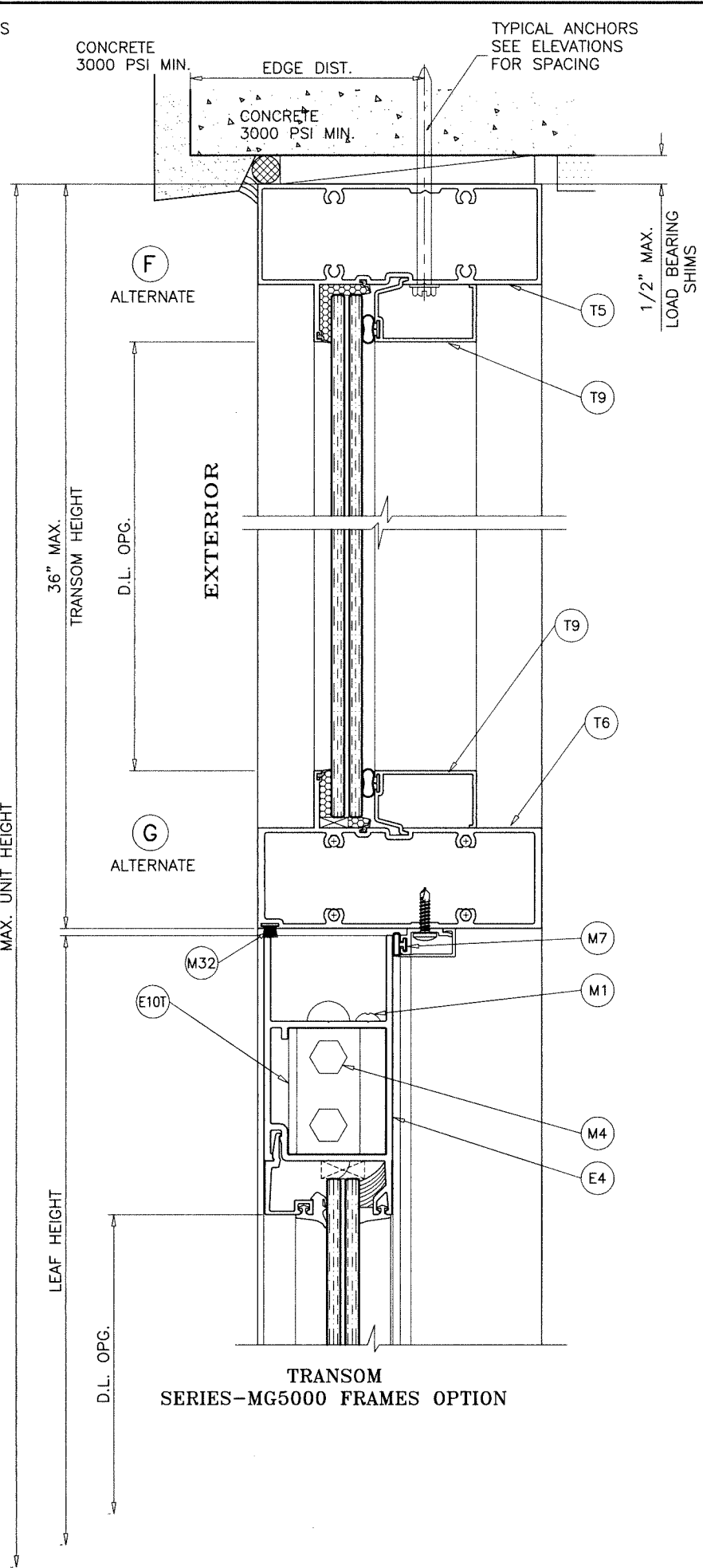
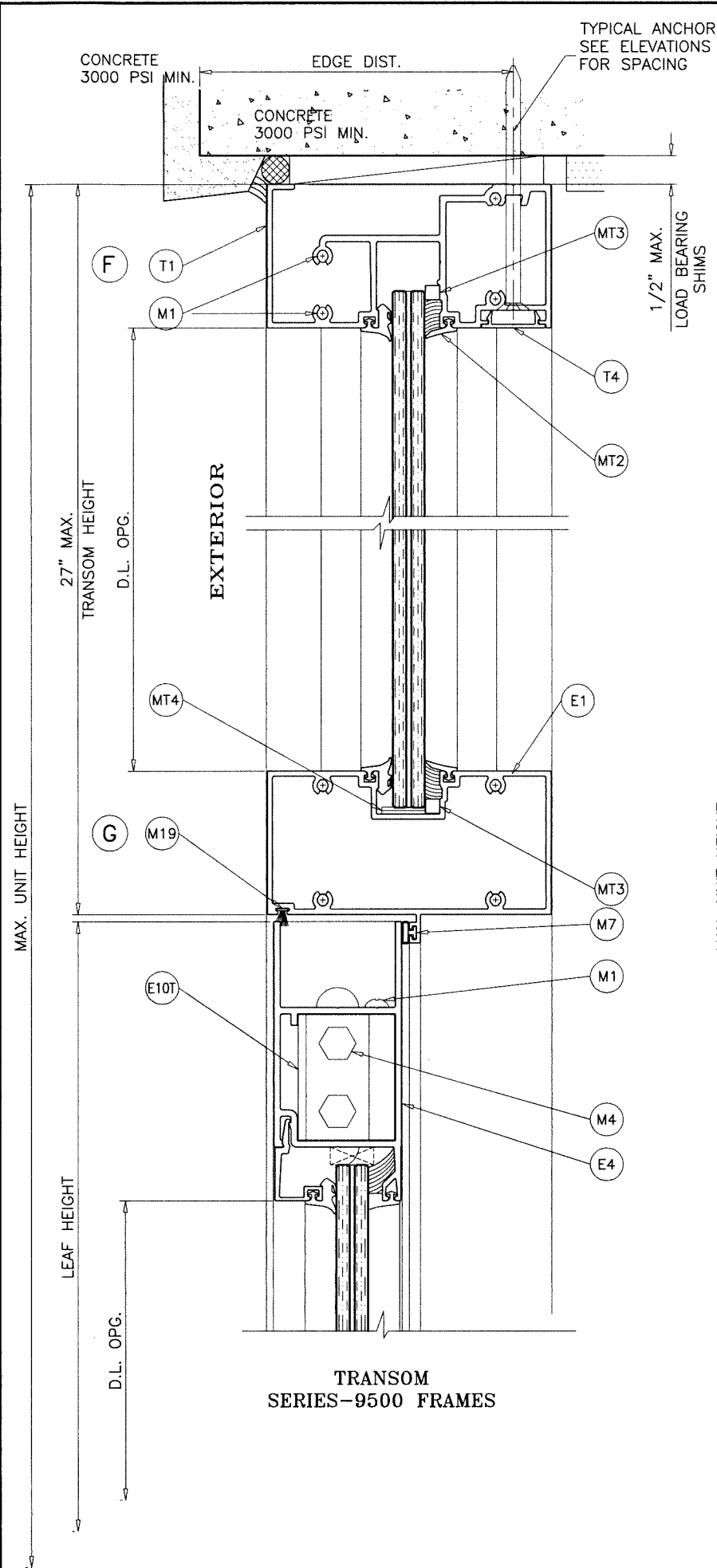
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| sheet       | 11.1 of 18    |



FL #27001

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COMP-ANL 18-47F-MG

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SERIES-MC500 ALUM OUTSWING FRENCH DOOR (L.M.I.)

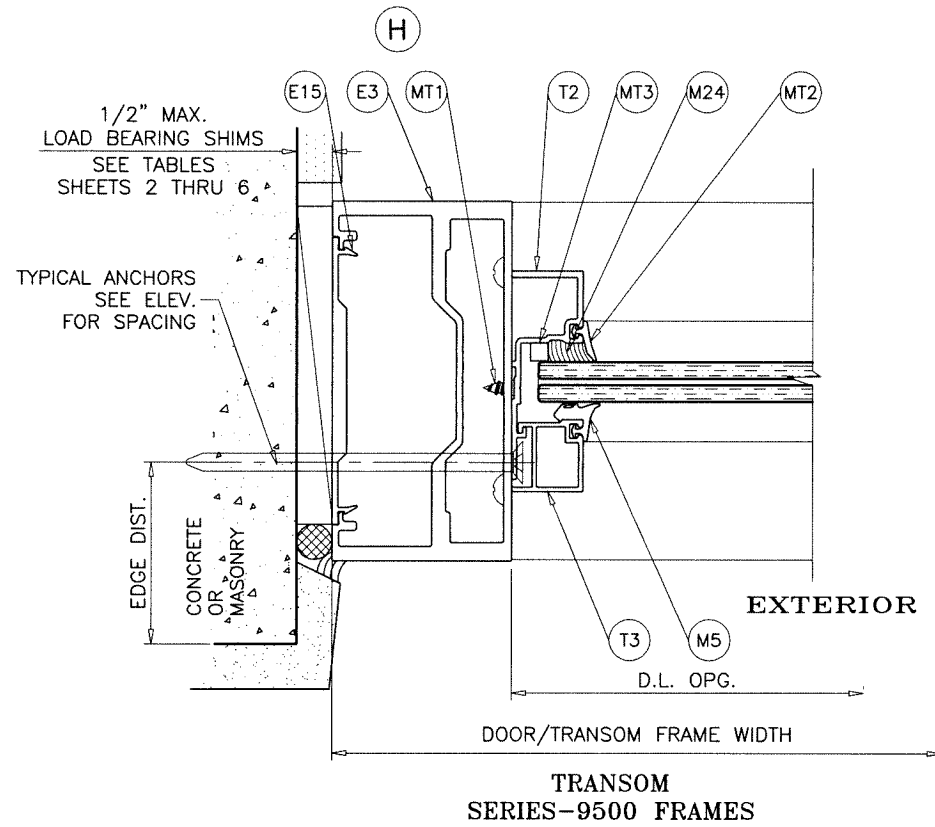
**MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC**  
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Medley, FL. 33166  
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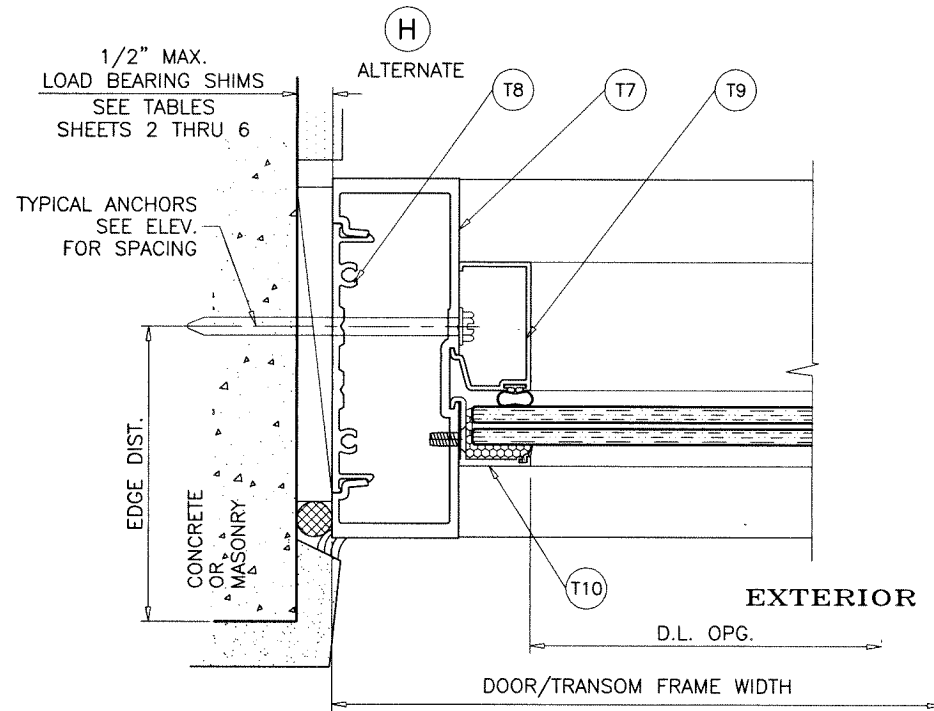
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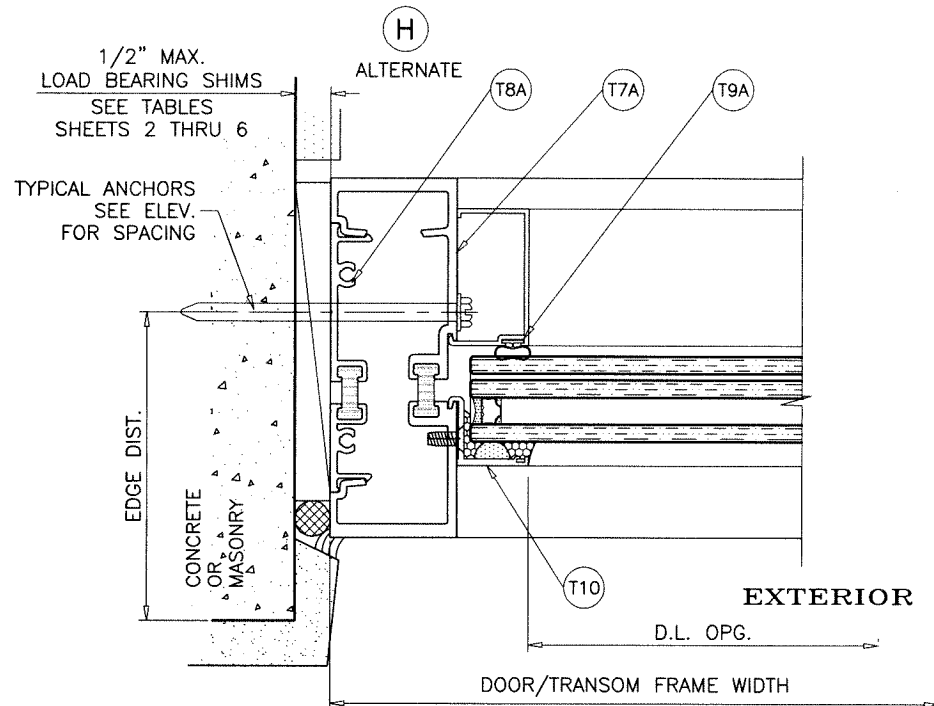
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**18-47F**  
sheet 12 of 18



TRANSOM  
SERIES-9500 FRAMES

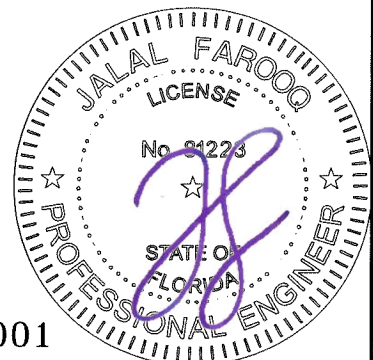


TRANSOM JAMB  
SERIES-MG5000 FRAMES OPTION



TRANSOM JAMB  
SERIES-8000T FRAMES OPTION

Sealed: 10/13/2026



FL #27001

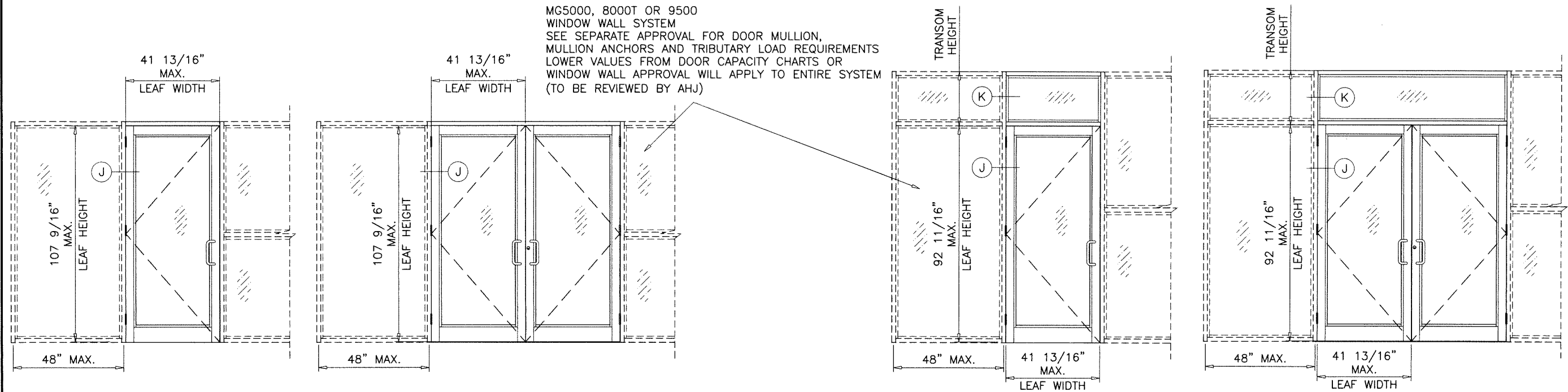
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**AL-FAROOQ CORPORATION**  
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SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)  
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8051 N.W. 79th Place  
Medley, FL. 33166  
Tel. (305) 764-3963 Fax. (305) 470-8285

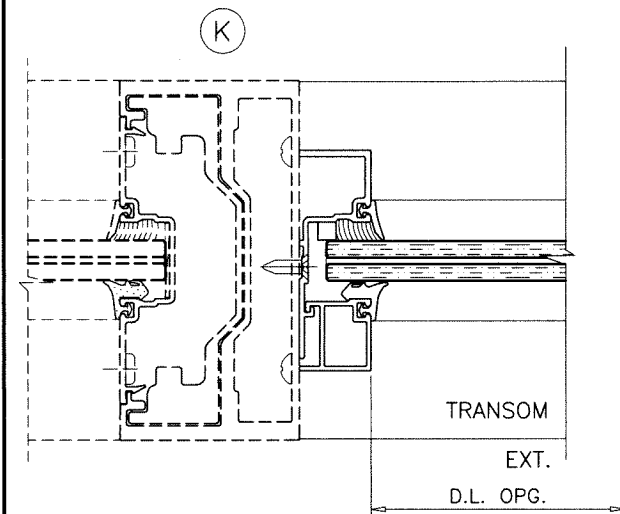
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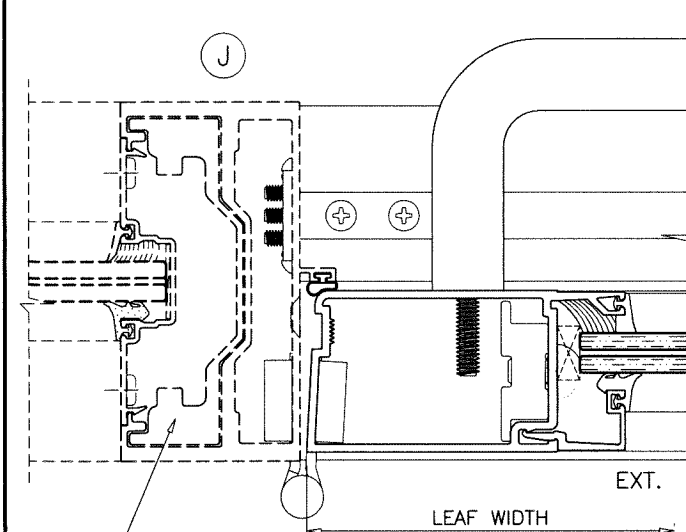
drawing no.  
**18-47F**  
sheet 12.1 of 18



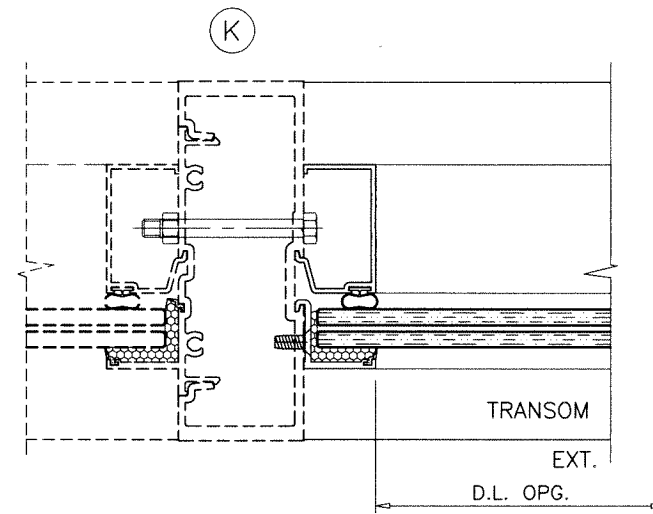
MG5000, 8000T OR 9500  
WINDOW WALL SYSTEM  
SEE SEPARATE APPROVAL FOR DOOR MULLION,  
MULLION ANCHORS AND TRIBUTARY LOAD REQUIREMENTS  
LOWER VALUES FROM DOOR CAPACITY CHARTS OR  
WINDOW WALL APPROVAL WILL APPLY TO ENTIRE SYSTEM  
(TO BE REVIEWED BY AHJ)



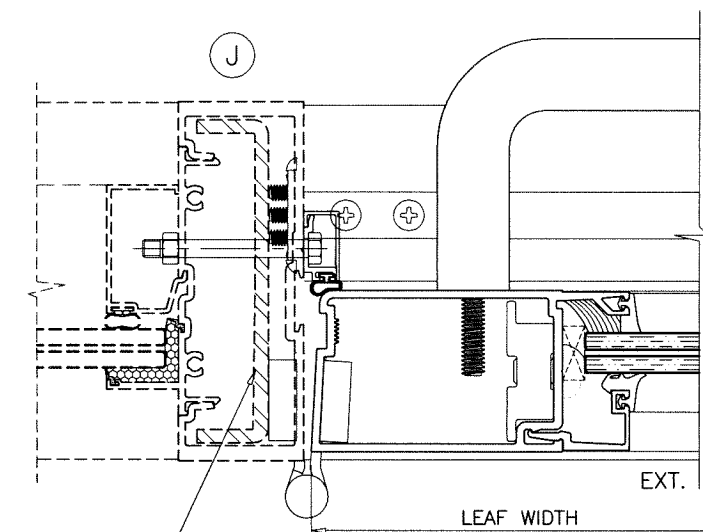
F.B.C. APPROVED  
SERIES 9500 WINDOW WALL SYSTEM BY 'E.S. WINDOWS'  
UNDER SEPARATE APPROVAL.



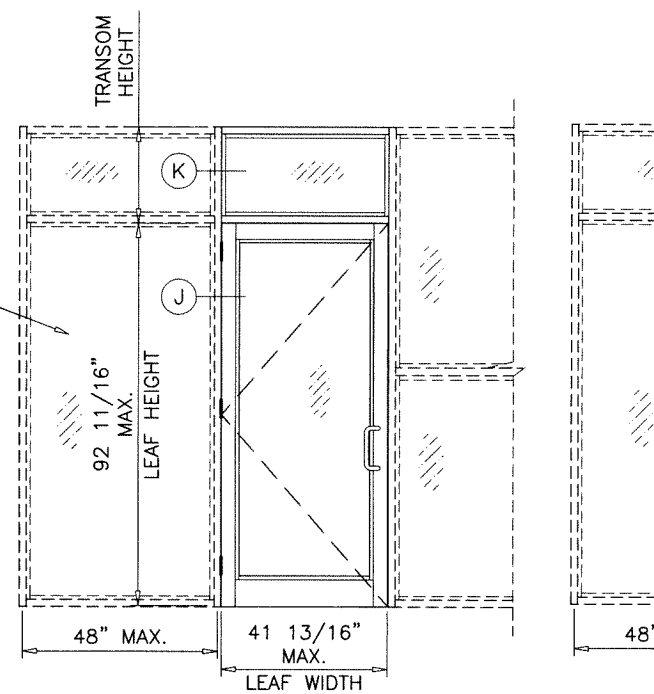
REINFORCING WILL VARY  
SEE CURRENT APPROVAL OF  
E.S. SERIES 9500  
WINDOW WALL SYSTEM  
FOR DETAILS



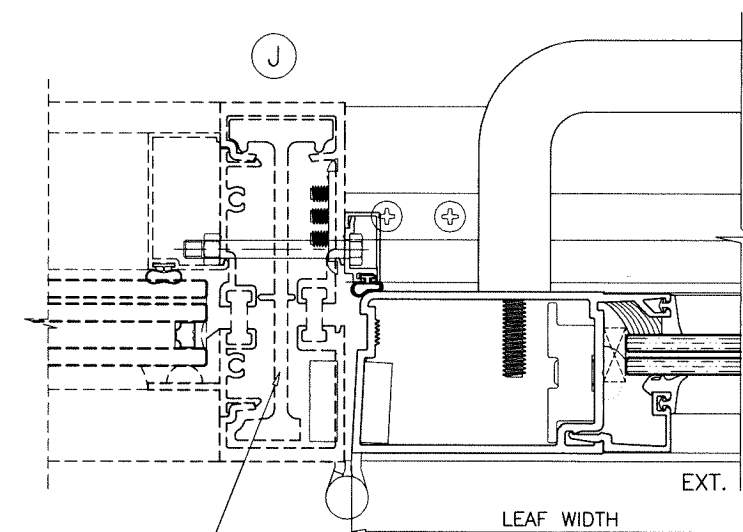
F.B.C. APPROVED  
SERIES MG5000 WINDOW WALL SYSTEM BY 'MR. GLASS'  
UNDER SEPARATE APPROVAL.



REINFORCING WILL VARY  
SEE CURRENT APPROVAL OF  
MR. GLASS MG5000  
WINDOW WALL SYSTEM  
FOR DETAILS

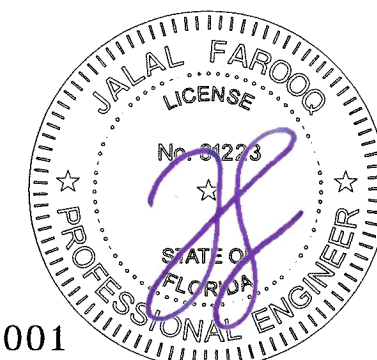


F.B.C. APPROVED  
SERIES 8000T WINDOW WALL SYSTEM BY 'E.S. WINDOWS'  
UNDER SEPARATE APPROVAL.



REINFORCING WILL VARY  
SEE CURRENT APPROVAL OF  
E.S. SERIES 8000T  
WINDOW WALL SYSTEM  
FOR DETAILS

Sealed: 10/13/2026



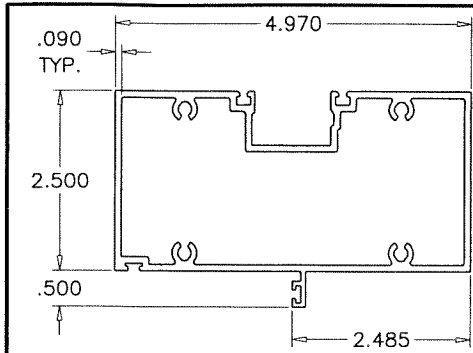
FL #27001

**af c**  
**AL-FAROOQ CORPORATION**  
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MIAMI, FLORIDA 33173  
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COMP-ANL\18-47F-MG

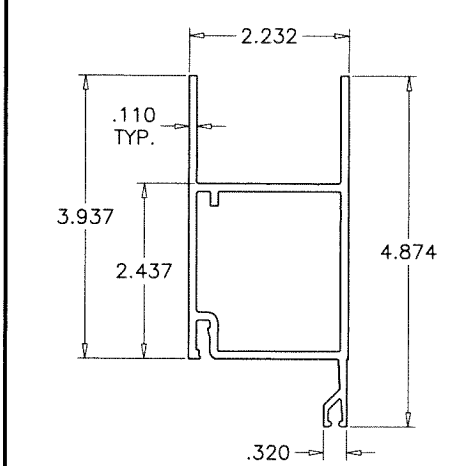
SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)  
**MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC**  
8051 N.W. 79th Place  
Medley, FL. 33166  
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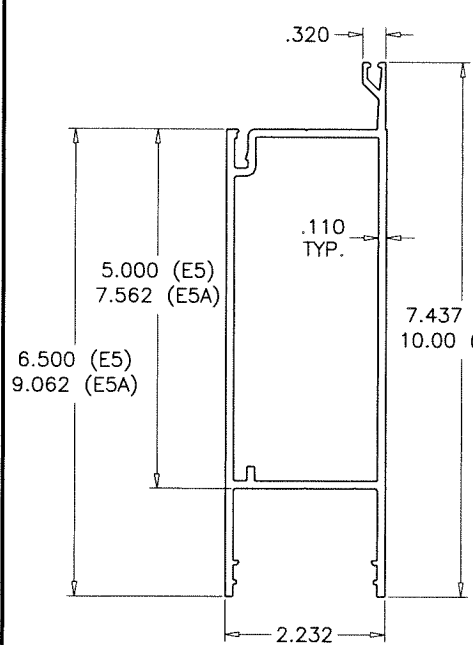
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chk. by:  
drawing no.  
**18-47F**  
sheet 13 of 18



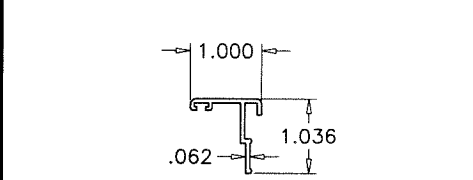
E1 DOOR HEADER Series 9000



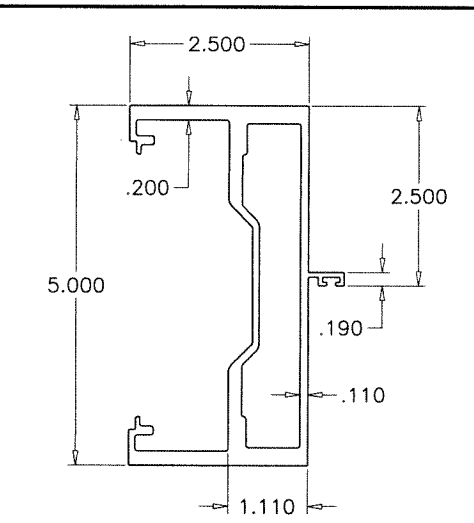
E4 TOP RAIL



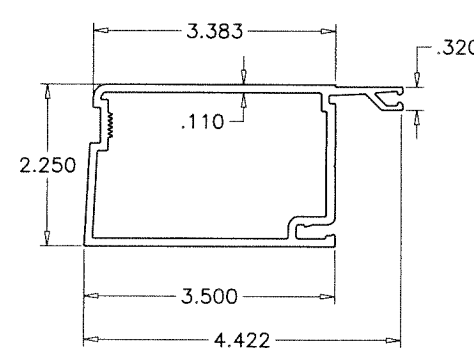
E5 STD. BOTTOM RAIL  
E5A HI-PROFILE BOTTOM RAIL



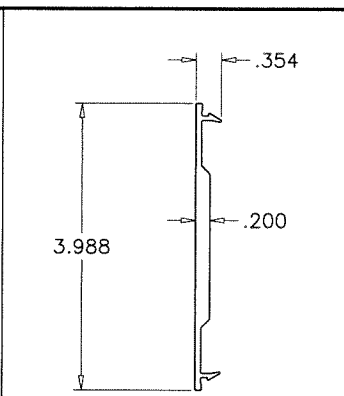
E23 ASTRAGAL STILE



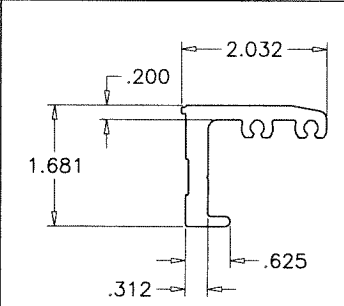
E3 DOOR JAMB Series 9000



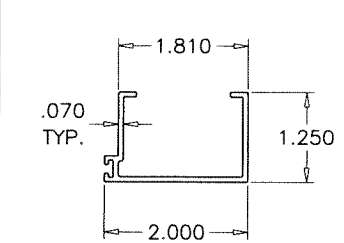
E6 HINGE/LOCK STILE



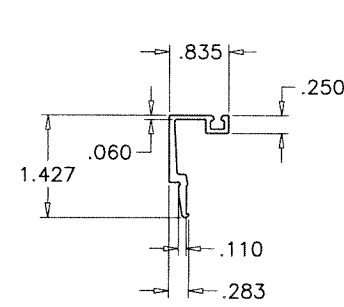
E15 JAMB FILLER



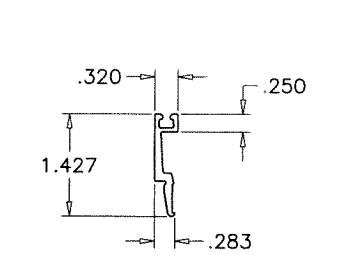
E10 CORNER BLOCK



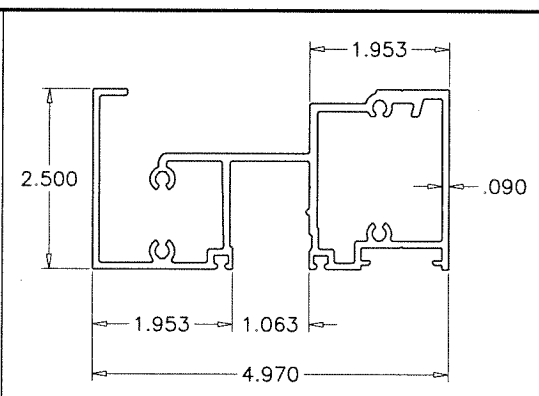
E18 CLOSURE DOOR STOP



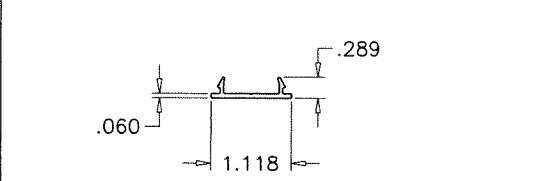
E9 GLASS STOP (LAM. GLASS)



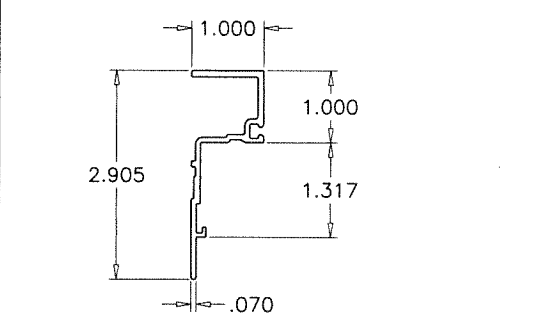
E9.1 GLASS STOP (INSUL. LAM. GLASS)



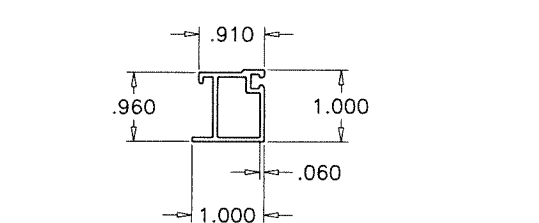
T1 TRANSOM HEADER Series 9500



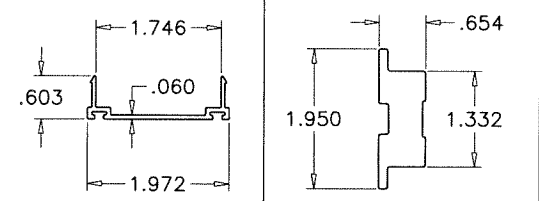
T4 HEAD COVER



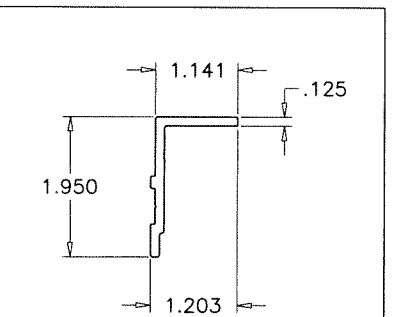
T2 TRANSOM ADAPTER



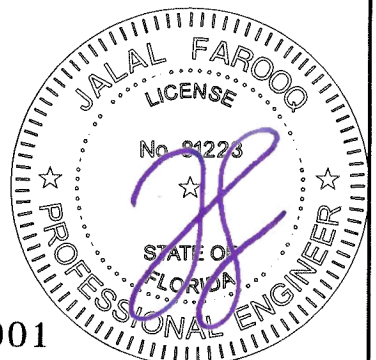
T3 TRANSOM GLASS STOP



E20 DOOR SWEEP E11 CORNER PLATE



E14 LOCK BACK UP PLATE



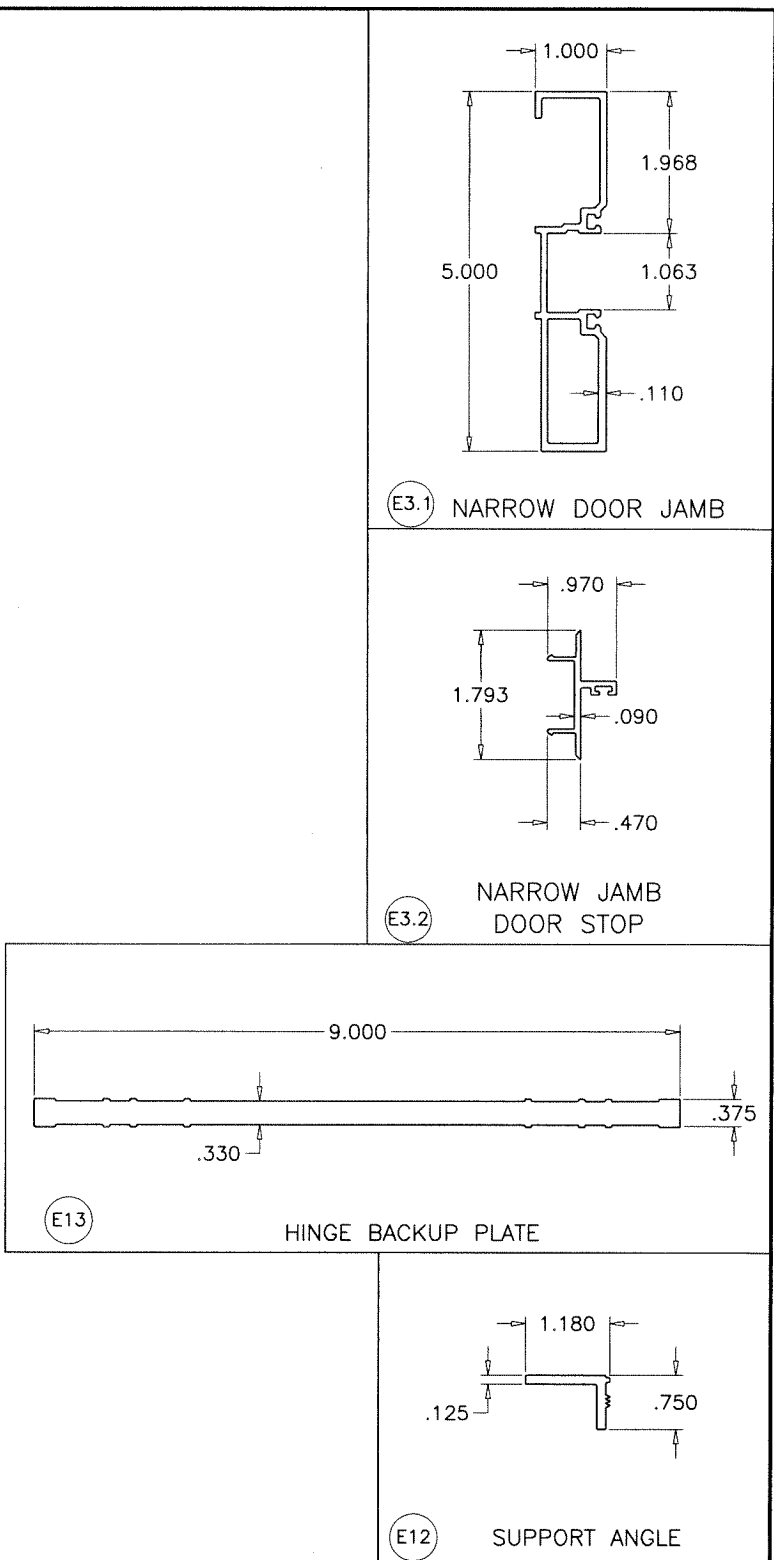
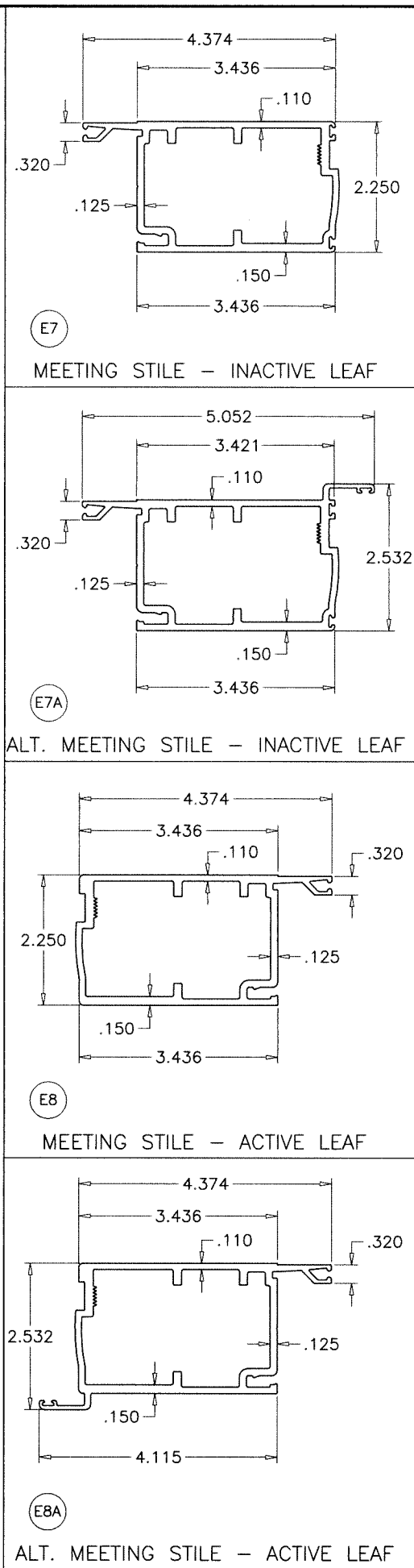
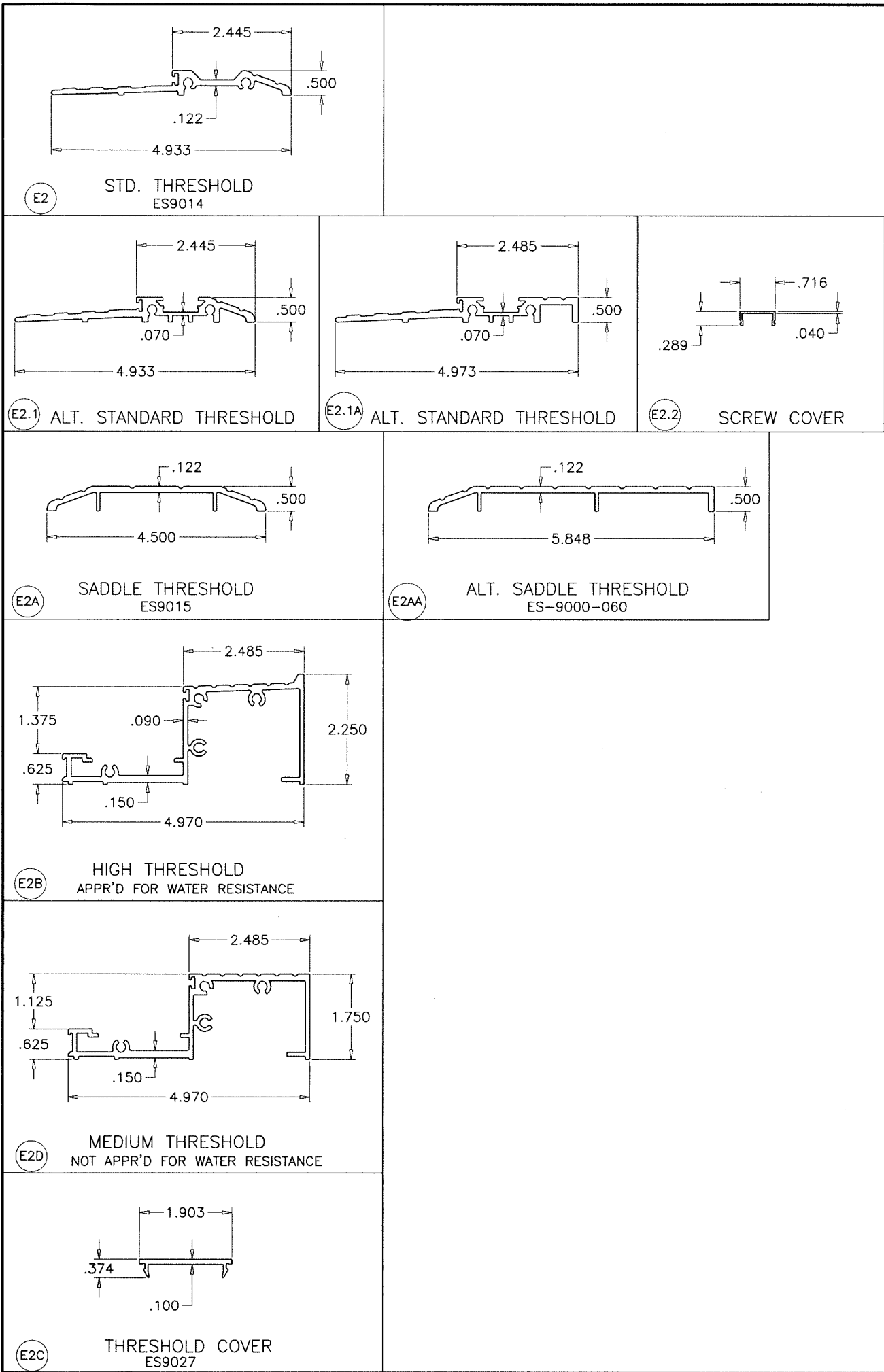
Sealed: 10/13/2026

FL #27001

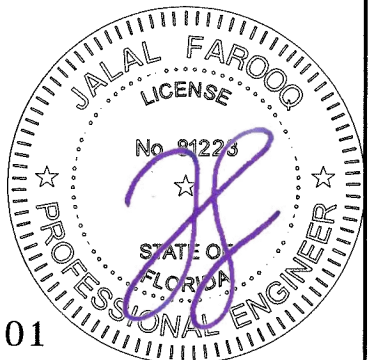


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COMP-ANL\18-47F-MG

| SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)                                                                                                                                                                                                                                                                                                                                    |                  |                |                |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                     |                |                  |               |          |                    |  |  |  |                |  |  |  |
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| <b>MR-GLASS DOORS &amp; WINDOWS MANUFACTURING, LLC</b>                                                                                                                                                                                                                                                                                                                             |                  |                |                |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                     |                |                  |               |          |                    |  |  |  |                |  |  |  |
| 8051 N.W. 79th Place<br>Medley, FL. 33166<br>Tel. (305) 764-3963 Fax. (305) 470-8285                                                                                                                                                                                                                                                                                               |                  |                |                |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                     |                |                  |               |          |                    |  |  |  |                |  |  |  |
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| drawing no. 18-47F                                                                                                                                                                                                                                                                                                                                                                 |                  |                |                |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                     |                |                  |               |          |                    |  |  |  |                |  |  |  |
| sheet 14 of 18                                                                                                                                                                                                                                                                                                                                                                     |                  |                |                |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                     |                |                  |               |          |                    |  |  |  |                |  |  |  |



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**AL-FAROOQ CORPORATION**  
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SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)

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

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| no         | date by description |
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date: 04-20-18

scale: 3/8" = 1"

dr. by: TARIQ

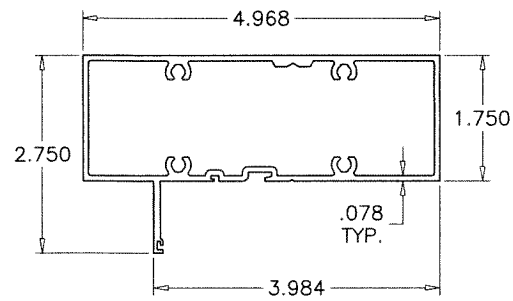
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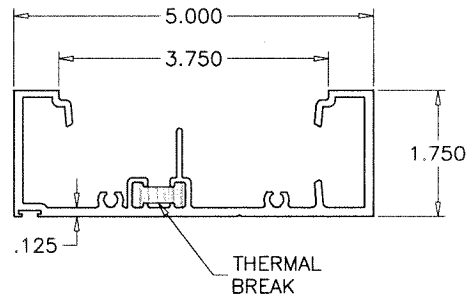
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sheet 14.1 of 18

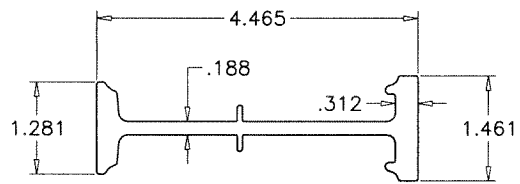
FL #27001



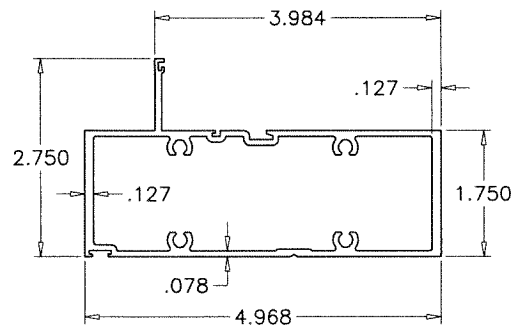
T5 TRANSOM HEAD S-8000



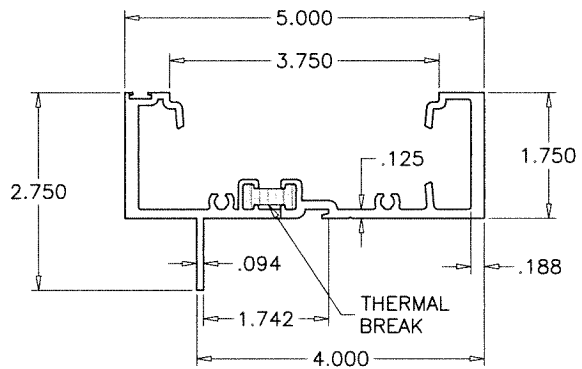
T5A TRANSOM HEAD S-8000T



T5C TRANSOM REINFORCING

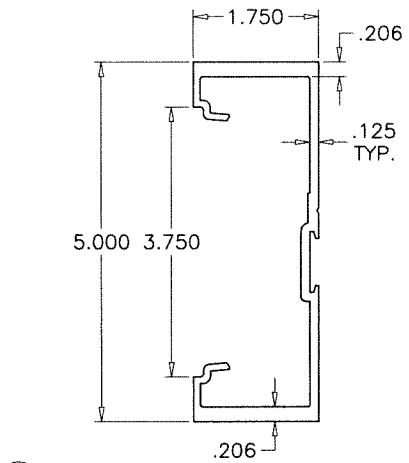


T6 TRANSOM HORIZONTAL S-8000

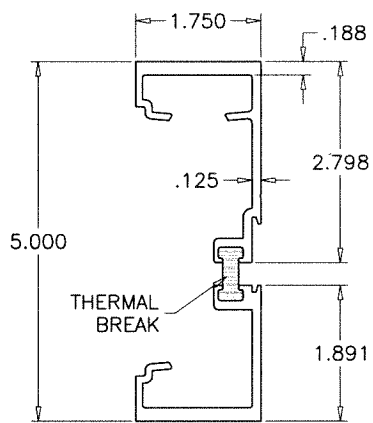


T5B TRANSOM HORIZONTAL S-8000T

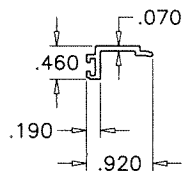
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FRAME MEMBERS FILLED AND DEBRIDGED USING  
'BAYDUR TB 100-30' MANUFACTURED BY  
'BAYER MATERIALSCIENCE, LLC.



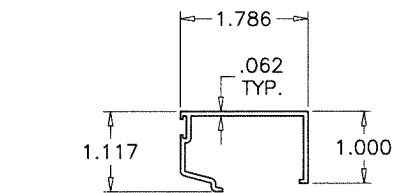
T7 TRANSOM JAMB S-8000



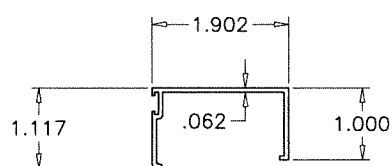
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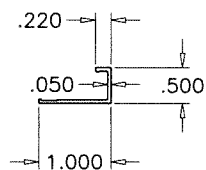
E21 DOOR STOP



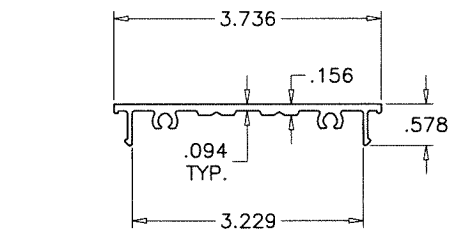
T9 TRANSOM GLASS STOP S-8000



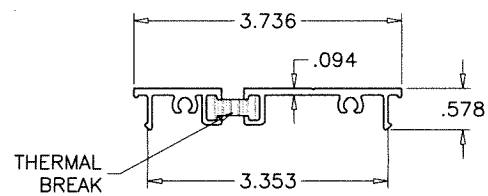
T9A TRANSOM GLASS STOP S-8000T



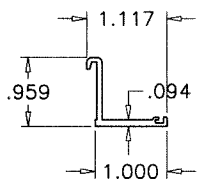
E22 DOOR STOP COVER



T8 JAMB FILLER S-8000

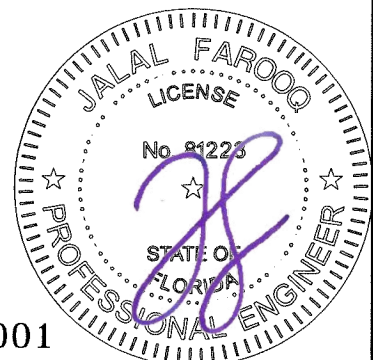


T8A TRANSOM SNAP-IN PLATE



T10 TRANSOM GLAZING ADAPTER

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FL #27001

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18-47F

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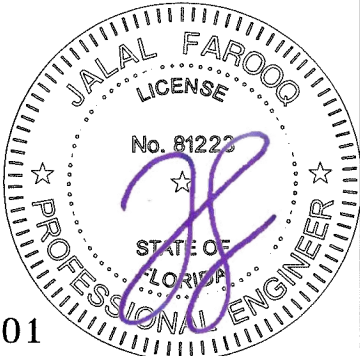
date: 04-20-18  
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dr. by: TARIQ  
chk. by:

drawing no.  
**18-47F**  
sheet 14.2 of 18

| ITEM # | PART #       | QUANTITY  | DESCRIPTION                                      | MATERIAL  | MANF./SUPPLIER/REMARKS                 |
|--------|--------------|-----------|--------------------------------------------------|-----------|----------------------------------------|
| E1     | ES-9012      | 1         | DOOR HEADER                                      | 6061-T6   | -                                      |
| E2     | ES-9014      | 1         | STANDARD THRESHOLD                               | 6063-T6   | -                                      |
| E2.1   | ES-9000-030  | 1         | ALT. STANDARD THRESHOLD                          | 6061-T6   | -                                      |
| E2.1A  | ES-9000-059  | 1         | ALT. STANDARD THRESHOLD                          | 6061-T6   | -                                      |
| E2.2   | ES-6011      | 1         | SCREW COVER                                      | 6063-T6   | -                                      |
| E2A    | ES-9015      | 1         | SADDLE THRESHOLD                                 | 6063-T6   | -                                      |
| E2AA   | ES-9000-060  | 1         | ALT. SADDLE THRESHOLD                            | 6063-T6   | -                                      |
| E2B    | ES-9026      | 1         | HIGH THRESHOLD                                   | 6063-T6   | -                                      |
| E2C    | ES-9027      | 1         | THRESHOLD COVER                                  | 6063-T5   | -                                      |
| E2D    | ES-9000-036  | 1         | MEDIUM THRESHOLD                                 | 6063-T6   | -                                      |
| E3     | ES-9013      | 2         | DOOR JAMB                                        | 6063-T6   | -                                      |
| E3.1   | ES-7530-213  | 2         | NARROW DOOR JAMB                                 | 6063-T6   | -                                      |
| E3.2   | ES-7530-214  | 2         | NARROW JAMB DOOR STOP                            | 6063-T6   | -                                      |
| E4     | ES-9001      | 2         | TOP RAIL                                         | 6063-T5   | -                                      |
| E5     | ES-9002      | 2         | STD. BOTTOM RAIL                                 | 6063-T6   | -                                      |
| E5A    | ES-9000-031  | 2         | HI-PROFILE BOTTOM RAIL                           | 6063-T6   | -                                      |
| E6H    | ES-9003      | 2         | HINGE/LOCK STILE                                 | 6063-T5   | -                                      |
| E7     | ES-9006      | 1         | MEETING STILE - ACTIVE LEAF                      | 6063-T5   | -                                      |
| E7A    | -            | 1         | ALT. MEETING STILE - ACTIVE LEAF                 | 6063-T5   | -                                      |
| E8     | ES-9007      | 1         | MEETING STILE - INACTIVE LEAF                    | 6063-T5   | -                                      |
| E8A    | -            | 1         | ALT. MEETING STILE - INACTIVE LEAF               | 6063-T5   | -                                      |
| E9     | ES-9004      | 4         | GLASS STOP (LAM. GLASS)                          | 6063-T5   | -                                      |
| E9.1   | ES-9029      | 4         | GLASS STOP (INSUL. LAM. GLASS)                   | 6063-T5   | -                                      |
| E10T   | ES-9008      | 4         | CORNER BLOCK -TOP                                | 6063-T5   | -                                      |
| E10B   | ES-9008      | 4         | CORNER BLOCK - BOTTOM                            | 6063-T5   | -                                      |
| E11T   | ES-9009      | 4         | CORNER PLATE - TOP                               | 6063-T5   | -                                      |
| E11B   | ES-9009      | 4         | CORNER PLATE - BOTTOM                            | 6063-T5   | -                                      |
| E12    | ES-9010      | 4         | SUPPORT ANGLE                                    | 6063-T5   | 3/4" X 1" X 1/8" X 9" LONG             |
| E13    | ES-9011      | AS RQD.   | HINGE BACKUP PLATE REINFORCEMENT                 | 6063-T5   | 1-1/4" X 9" X 3/8" THK.                |
| E13A   | 12-24 X 1/2" | 4/ PLATE  | HINGE BACKUP PLATE FASTENERS                     | ST. STEEL | FH MACHINE SCREWS                      |
| E14    | ES-9020      | 1         | LOCK BACKUP PLATE REINFORCEMENT                  | 6063-T5   | 10" LONG                               |
| E14A   | 8-32 X 1/2"  | 3/ PLATE  | LOCK PLATE FASTENERS                             | ST. STEEL | PH MACHINE SCREWS                      |
| E15    | ES-9016      | AS RQD.   | JAMB FILLER                                      | 6063-T6   | -                                      |
| E16    | ES-9017      | AS RQD.   | REINFORCEMENT                                    | 6063-T6   | -                                      |
| E17    | ES-9021      | 1/ CLOSER | CLOSER SUPPORT CLIPS (PAIR)                      | 6063-T5   | -                                      |
| E18    | ES-9022      | 1         | CLOSER DOOR STOP                                 | 6063-T5   | -                                      |
| E19    | ES-9023      | 1/ CLOSER | CLOSER COVER PLATE                               | 6063-T5   | -                                      |
| E20    | ES-9005      | -         | DOOR SWEEP                                       | -         | -                                      |
| E21    | ES-9051      | -         | DOOR STOP                                        | -         | -                                      |
| E22    | ES-9052      | -         | DOOR STOP COVER                                  | -         | -                                      |
| E23    | ES-9060      | -         | ASTRAGAL STILE                                   | 6063-T5   | SECURED WITH #8 X 1/2" SMS AT 12" O.C. |
| M1     | -            | 28        | #12 x 1" P.H. ST/ST SMS                          | -         | -                                      |
| M2     | -            | AS RQD.   | #12 - 24 x 1" F.H. ST/ST MS                      | -         | -                                      |
| M3     | -            | 18        | #8 - 32 x 1/2" P.H. ST/ST MS                     | -         | -                                      |
| M4     | -            | 16        | 3/8" - 16 x 1" HEX. BOLT                         | -         | -                                      |
| M5     | ES-9000-G01  | AS RQD.   | WEDGE GASKET                                     | SILICONE  | DUROMETER 70±5 SHORE A                 |
| M6     | ES-9000-G02  | AS RQD.   | SPACER GASKET                                    | EPDM      | DUROMETER 70±5 SHORE A                 |
| M7     | ES-9000-G03  | AS RQD.   | BULB VINYL, BASE-POLYPROPYLENE, BULB-TPE         | -         | ULTRAFAB, DUROMETER 73±5 SHORE A       |
| M8     | ES-9000-B01  | AS REQD.  | SETTING BLOCKS (LAM. GLASS) AT 1/4 POINTS        | EPDM      | DUROMETER 80±5 SHORE A                 |
| M8.1   | ES-9000-B02A | AS REQD.  | SETTING BLOCKS (INSUL. LAM. GLASS) AT 1/4 POINTS | EPDM      | DUROMETER 80±5 SHORE A                 |
| M9     | -            | AS RQD.   | HINGE 4 1/2" x 4"                                | -         | -                                      |
| M9A    | -            | AS RQD.   | OFFSET PIVOT HINGE                               | ALUMINUM  | -                                      |
| M9B    | 60AT 2-TLG   | AS REQD.  | RESIDENTIAL HINGE                                | -         | DR. HAHN                               |
| M12    | -            | 1         | 3 POINT LOCK                                     | -         | -                                      |
| M13    | -            | 1         | KEY CYLINDER                                     | -         | -                                      |
| M14    | -            | 1         | THUMBTURN                                        | -         | -                                      |
| M15    | -            | 1         | 2 POINT LOCK                                     | -         | -                                      |
| M16    | -            | 1/ LEAF   | DOOR CLOSURE                                     | -         | -                                      |
| M17    | -            | 2         | PUSH - PULL                                      | -         | -                                      |
| M19    | W13273NK     | AS RQD.   | PILE W'STRIPPING - HEADER                        | WOOL      | -                                      |
| M20    | W23451NK     | AS RQD.   | PILE - MTG STILES                                | WOOL      | -                                      |
| M22    | -            | 1/ CLOSER | CHANNEL SPACER 5/8" X 1-7/8"                     | -         | -                                      |

| ITEM # | PART #        | QUANTITY  | DESCRIPTION                                 | MATERIAL  | MANF./SUPPLIER/REMARKS |
|--------|---------------|-----------|---------------------------------------------|-----------|------------------------|
| M23    | -             | 2         | THRESHOLD CLIP                              | -         | -                      |
| M26    | -             | 2/ CLOSER | 1/4 - 20 x 2" HEX. BOLT                     | -         | -                      |
| M27    | -             | 3/ CLOSER | #10 x 1" P.H. ST/ST SMS                     | -         | -                      |
| M28    | -             | 6/ CLOSER | #10 x 1" F.H. ST/ST SMS                     | -         | -                      |
| M29    | -             | 3/ CLOSER | #10 x 1" F.H. ST/ST SMS                     | -         | -                      |
| M30    | -             | AS RQD.   | #10 x 1 1/2" F.H. ST/ST SMS, AT 23" O.C.    | ST. STEEL | -                      |
| M31    | W13351NK      | AS RQD.   | PILE - DOOR SWEEP                           | WOOL      | -                      |
| M32    | W13275NK      | AS RQD.   | PILE - HEADER                               | WOOL      | -                      |
| T1     | ES-9506       | -         | TRANSOM HEADER Series 9500                  | 6063-T6   | -                      |
| T2     | ES-9019       | -         | TRANSOM ADAPTER                             | 6063-T5   | -                      |
| T3     | ES-9018       | -         | TRANSOM GLASS STOP                          | 6063-T5   | -                      |
| T4     | ES-9502       | -         | HEAD COVER                                  | 6063-T5   | -                      |
| T5     | ES-8005       | AS REQD.  | TRANSOM HEAD S-8000                         | 6005-T6   | -                      |
| T5A    | ES-8000T-018  | AS REQD.  | TRANSOM HEAD S-8000T                        | 6005-T5   | -                      |
| T5B    | ES-8000T-017  | AS REQD.  | TRANSOM HORIZONTAL S-8000T                  | 6061-T6   | -                      |
| T5C    | ES-8000T-006  | AS REQD.  | TRANSOM REINFORCING                         | 6005-T5   | -                      |
| T6     | ES-8013       | AS REQD.  | HORIZONTAL AT DOOR S-8000                   | 6061-T6   | -                      |
| T7     | ES-8012       | AS REQD.  | TRANSOM JAMB S-8000                         | 6005-T6   | -                      |
| T7A    | ES-8000T-009T | AS REQD.  | TRANSOM JAMB S-8000T                        | 6005-T6   | -                      |
| T8     | ES-8003       | AS REQD.  | JAMB FILLER S-8000                          | 6005-T5   | -                      |
| T8A    | ES-8000T-003  | AS REQD.  | HEAD/JAMB FILLER S-8000T                    | 6005-T5   | -                      |
| T9     | ES-8006       | AS REQD.  | TRANSOM GLASS STOP S-8000                   | 6063-T5   | -                      |
| T9A    | ES-8000T-005  | AS REQD.  | TRANSOM GLASS STOP S-8000T                  | 6063-T5   | -                      |
| T10    | ES-8014       | AS REQD.  | TRANSOM GLAZING ADAPTER                     | 6063-T6   | -                      |
| MT1    | -             | -         | #10 x 1/2" F.H. ST/ST SMS                   | -         | -                      |
| MT2    | -             | -         | TRIM GASKET                                 | SILICONE  | -                      |
| MT3    | -             | -         | INTERIOR SPACER 1/4" x 1/4"                 | FOAM      | -                      |
| MT4    | -             | AS REQD.  | SETTING BLOCKS (1/16" x 3/4") AT 1/4 POINTS | EPDM      | DUROMETER 80±5 SHORE A |
| MT4A   | -             | AS REQD.  | SETTING BLOCKS (3/16" X 1/2") AT 1/4 POINTS | EPDM      | DUROMETER 85±5 SHORE A |
| MT4B   | ES-7530-B01A  | AS REQD.  | SETTING BLOCKS AT 1/4 POINTS                | EPDM      | DUROMETER 80±5 SHORE A |
| MT5    | ES-8010       | AS REQD.  | INTERIOR GLAZING GASKET                     | EPDM      | DUROMETER 60±5 SHORE A |
| MT6    | ES-8011A      | AS REQD.  | BUMP-ON GLASS SPACER                        | SILICONE  | DUROMETER 85±5 SHORE A |
| MT7    | ES-8009       | AS REQD.  | SILICONE STOP                               | SILICONE  | -                      |

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revisions:  
no date by description

date: 04-20-18

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no.

**18-47F**

sheet 15 of 18

LOCKS: (See Tables On Sheets 2 Thru 6 For Load Capacities)

OPTION #1: LIMIT MAX. LOADS TO ±80.0 PSF

ACTIVE & INACTIVE LEAF:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'JACKSON PANIC SYSTEM' #1285 LOCATED AT 41" FROM SILL AT EACH LEAF.

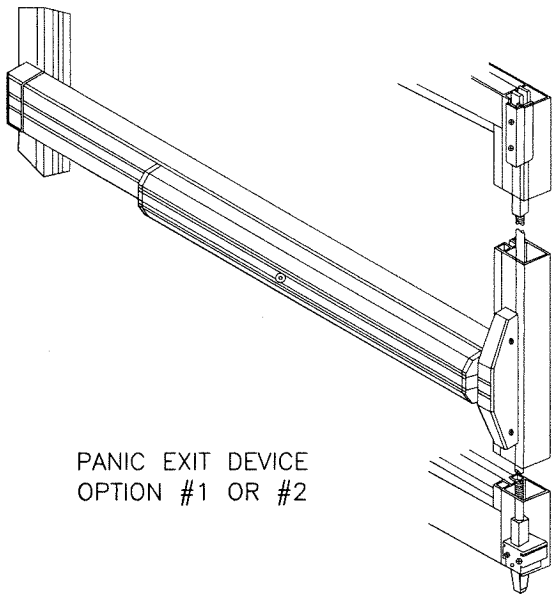
FASTENED WITH

- (1) #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
  - (2) #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END
- OR

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'ADAMS RITE' LOCATED AT 40" FROM SILL AT EACH LEAF.

FASTENED WITH

- (2) #10-32 X 3/4" FH MACHINE SCREWS AT ONE END AND
- (2) #10-24 X 1/2" FH MACHINE SCREWS AT OTHER END



PANIC EXIT DEVICE  
OPTION #1 OR #2

OPTION #2: LIMIT MAX. LOADS TO +80.0, -90.0 PSF

ACTIVE & INACTIVE LEAF:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'JACKSON PANIC SYSTEM' #2086 LOCATED AT 41" FROM SILL AT EACH LEAF.

FASTENED WITH

- (1) #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
  - (2) #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END
- OR

CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'DOR-O-MATIC' LOCATED AT 40" FROM SILL AT EACH LEAF.

FASTENED WITH

- (2) #12-24 X 1/2" FH MACHINE SCREWS AT ONE END

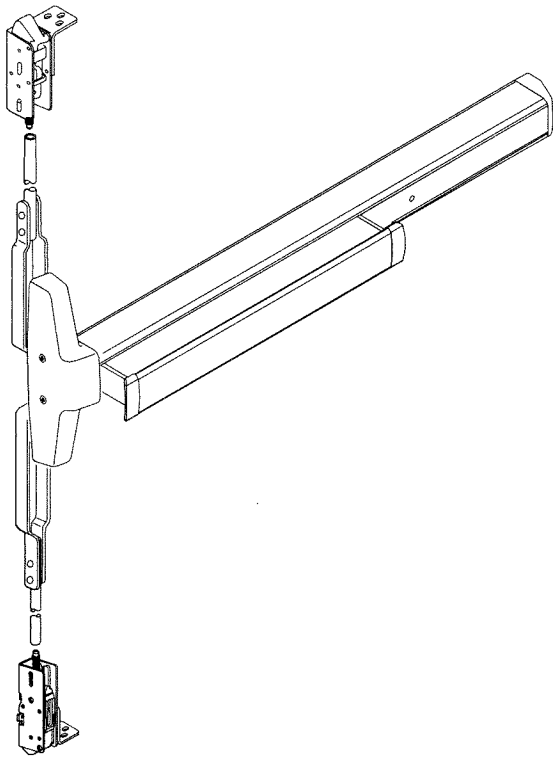
OPTION #2.1: LIMIT MAX. LOADS TO ±90.0 PSF

ACTIVE & INACTIVE LEAF:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE SERIES 3347 BY 'VON DUPRIN' LOCATED AT 40" FROM SILL AT EACH LEAF.

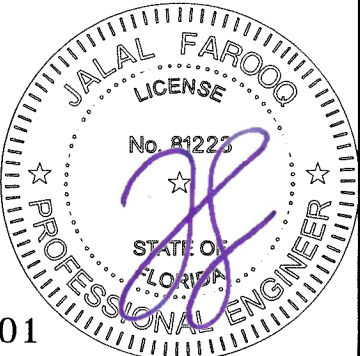
FASTENED WITH

- (2) #10-32 X 3/4" FH MACHINE SCREWS AT ONE END AND
- (2) #10-24 X 1/2" FH MACHINE SCREWS AT OTHER END



CONCEALED BOLTS ENGAGEMENT INTO FRAMES = 1/2" MIN. TYP.

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FL #27001

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AL-FAROOQ CORPORATION  
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|----------------|------------------|---------------|----------|

drawing no.  
18-47F  
sheet 16 of 18

**LOCKS:** (See Tables On Sheets 2 Thru 6 For Load Capacities)

**OPTION #3:**

**ACTIVE LEAF:**

KEY OPERATED THREE POINT LOCK SYSTEM 4015/4016 BY 'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE AND A THUMB TURN ON THE INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL FASTENED WITH  
(2) #12-24 X 1/2" FH MACHINE SCREWS

**INACTIVE LEAF:**

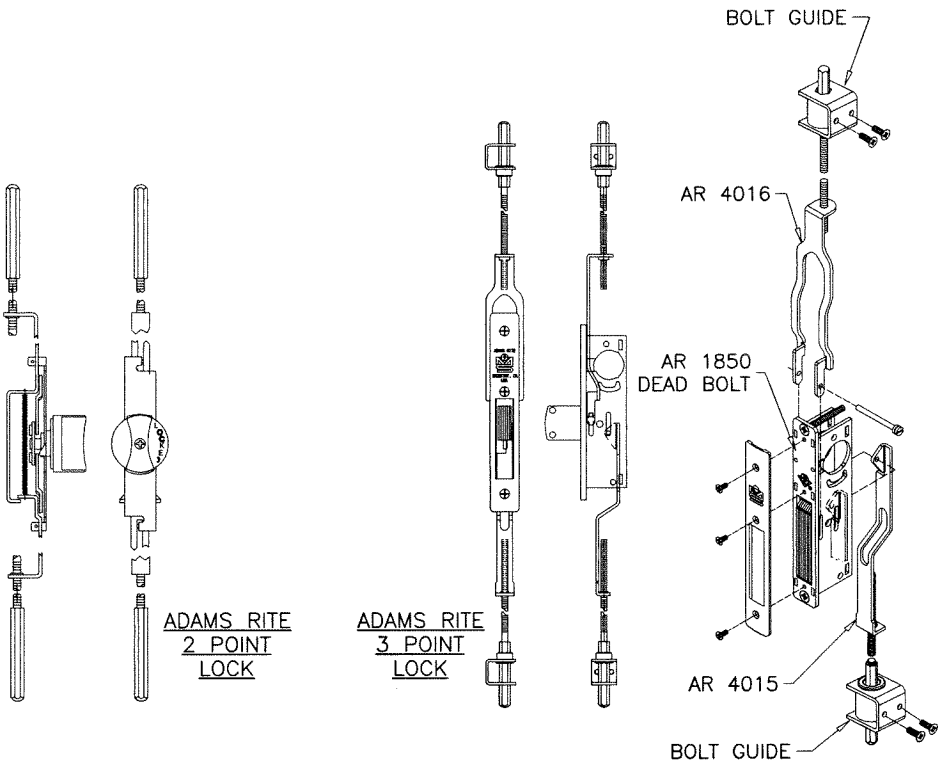
MANUALLY OPERATED TWO POINT LOCK SYSTEM 1880/81 BY 'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE AND A THUMB TURN ON THE INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL FASTENED WITH  
(2) #8-32 X 1/4" PH MACHINE SCREWS

**ACTIVE LEAF:**

SURFACE MOUNT 3 POINT MORTISE LOCK SYSTEM BY 'INTERLOCK USA'  
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR  
LEVER TYPE HANDLE AT 40" FROM BOTTOM  
ACTIVATES SHOOT BOLTS ENGAGING AT HEAD AND SILL  
FASTENED WITH  
(2) #10 X 3/4" FH SMS

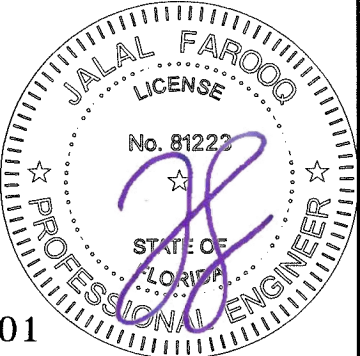
**INACTIVE LEAF:**

SURFACE MOUNT 2 POINT LOCK SYSTEM BY 'INTERLOCK USA'  
LEVER TYPE HANDLE AT 40" FROM BOTTOM  
ACTIVATES SHOOT BOLTS ENGAGING AT HEAD AND SILL  
FASTENED WITH  
(2) #10 X 3/4" FH SMS



CONCEALED BOLTS ENGAGEMENT INTO FRAMES = 1/2" MIN. TYP.

Sealed: 10/13/2026



FL #27001

**a f c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL 18-47F-MG

SERIES-MC500 ALUM OUTSWING FRENCH DOOR (L.M.I.)  
**MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC**  
8051 N.W. 79th Place  
Medley, FL. 33166  
Tel. (305) 764-3963 Fax. (305) 470-8285

| revisions: |                     |
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| no         | date by description |
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date: 04-20-18

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

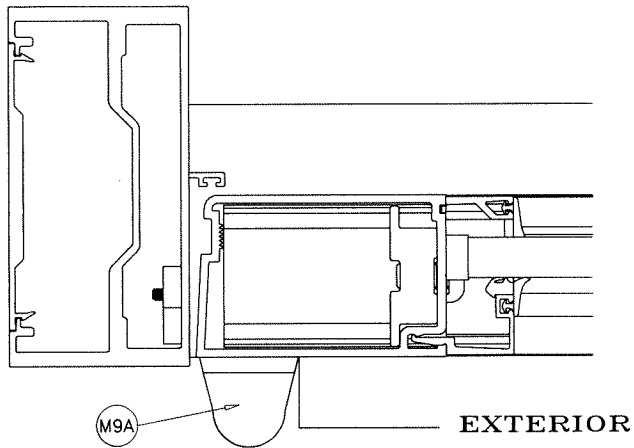
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**18-47F**

sheet 16.1 of 18

HINGES: (See Tables On Sheets 2 Thru 6 For Load Capacities)

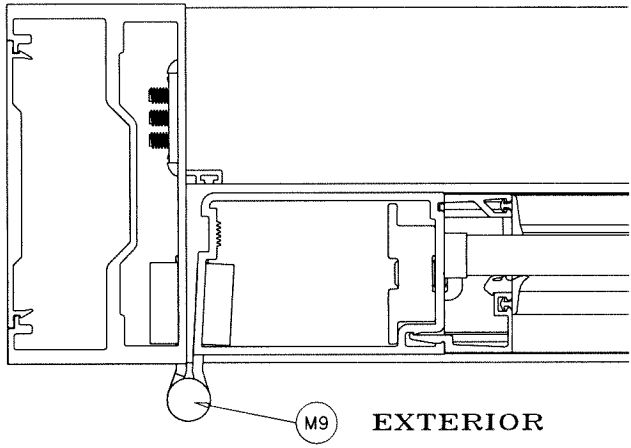
OPTION #1:

OFFSET PIVOT HINGES  
ALUMINUM AT TOP AND BOTTOM  
FASTENED TO FRAME AND THRESHOLD WITH  
#10-24 X 1/2" FH THREAD CUTTING SCREWS  
(2) AT THRESHOLD, (2) AT JAMB BOTTOM  
(3) AT FRAME HEAD  
HEAVY DUTY BRASS OR BRONZE AT MIDSPAN  
FASTENED TO FRAME AND LEAF WITH  
(4) 1/4-20 X 5/8" MS



OPTION #2:

4 X 4-3/4" ST. STEEL BALL BEARING BUTT HINGES  
LOCATED AT  
11" FROM TOP & BOTTOM AND AT MIDSPAN  
FASTENED TO DOOR FRAME AND LEAF STILE WITH  
(4) #12-24 X 1/2" FH MACHINE SCREWS PER HASP

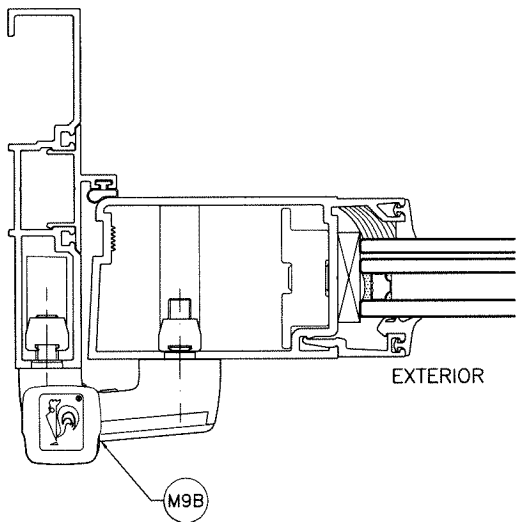


OPTION #2.1:

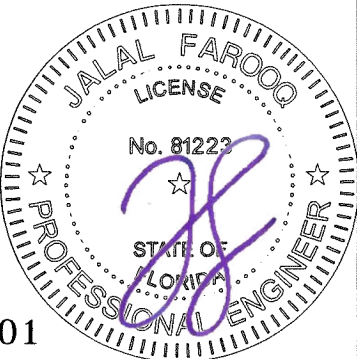
4 X 4-3/4" ST. STEEL BALL BEARING BUTT HINGES  
(4) PER LEAF  
(1) AT 9-5/8" FROM TOP TO CL OF HINGE  
(1) AT 10-5/16" FROM BOTTOM TO CL OF HINGE  
(2) INTERMEDIATE HINGES EQUALLY SPACED FROM  
TOP AND BOTTOM HINGE  
FASTENED TO DOOR FRAME AND LEAF STILE WITH  
(4) #12-24 X 1/2" FH MACHINE SCREWS PER HASP

OPTION #3: LIMIT MAX. LOADS TO ±90.0 PSF

SERIES 60AT (DR HAHN A701) DIE CAST ALUMINUM HINGE  
BY 'DR HAHN'  
(2) HINGES PER LEAF AT 6" FROM TOP & BOTTOM



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FL #27001



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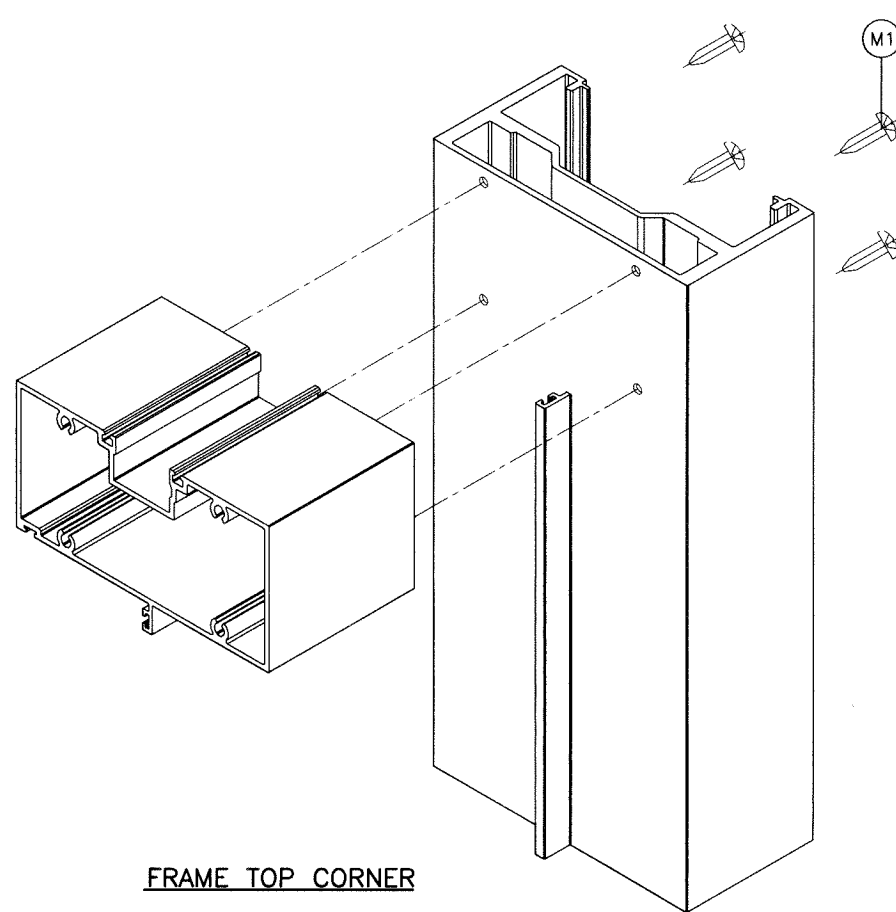
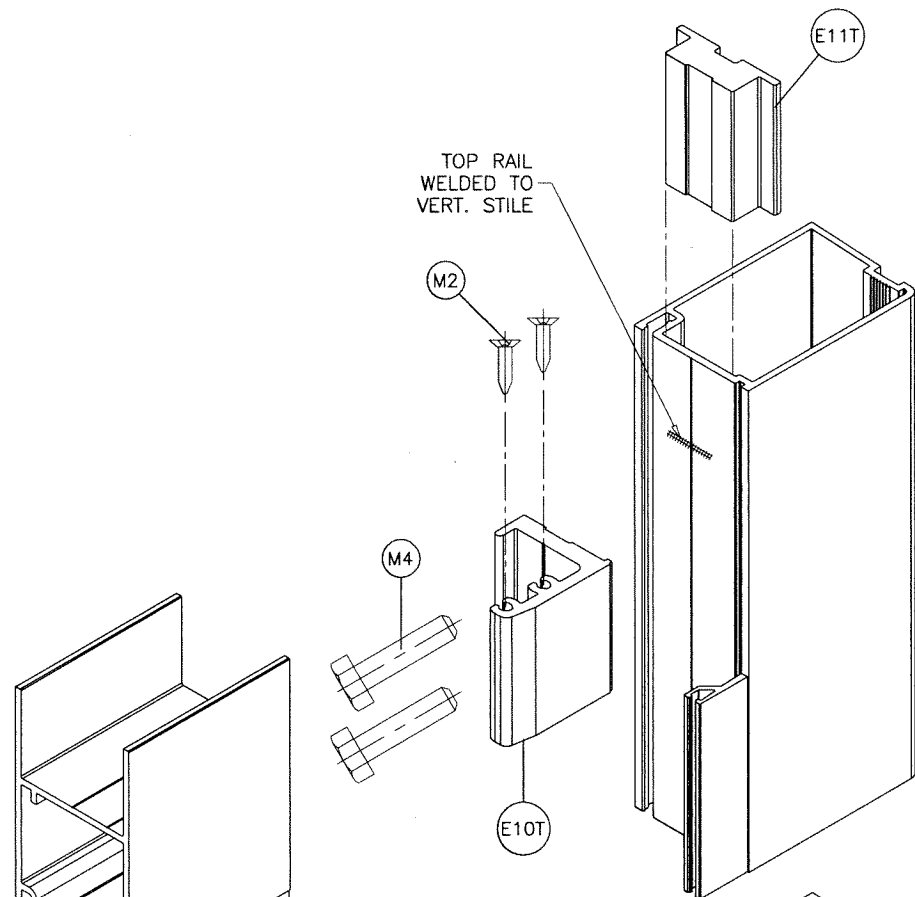
SERIES-MC500 ALUM OUTSWING FRENCH DOOR (L.M.I.)

**MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC**  
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Medley, FL. 33166  
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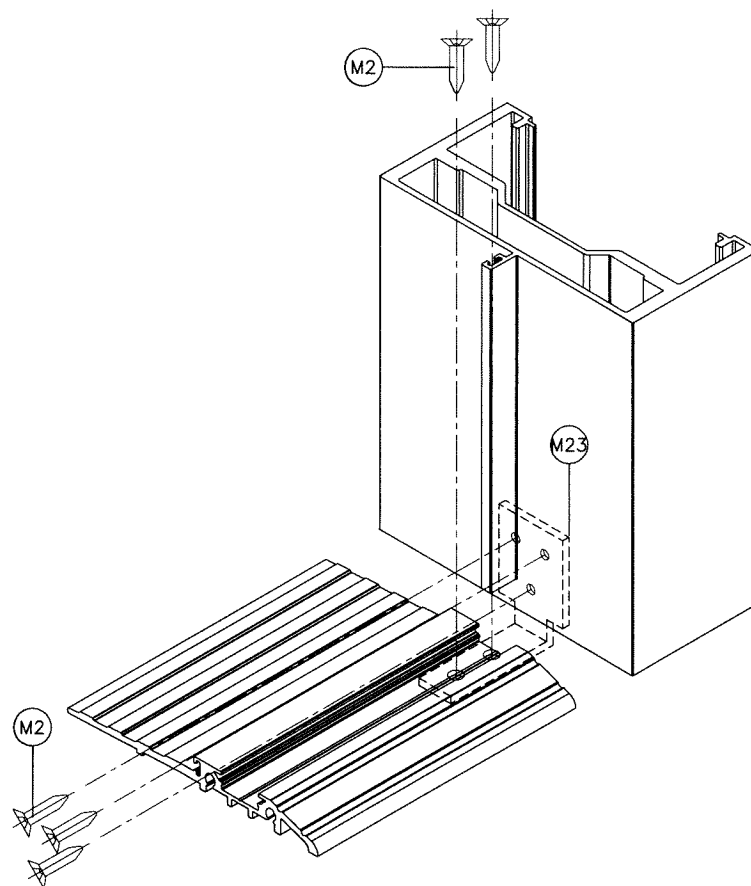
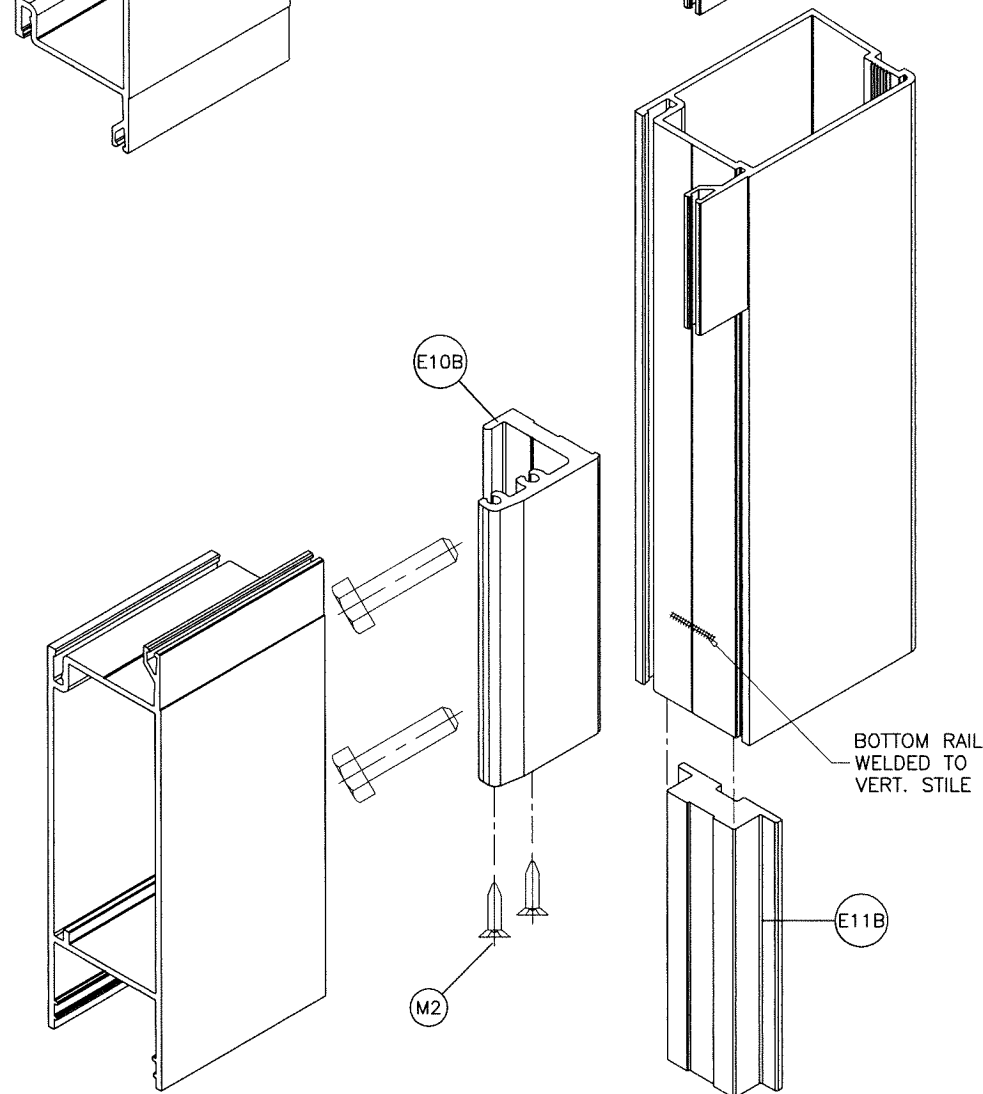
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| date: 04-20-18 | scale: 3/8" = 1" | dr. by: TARIQ | chk. by: |
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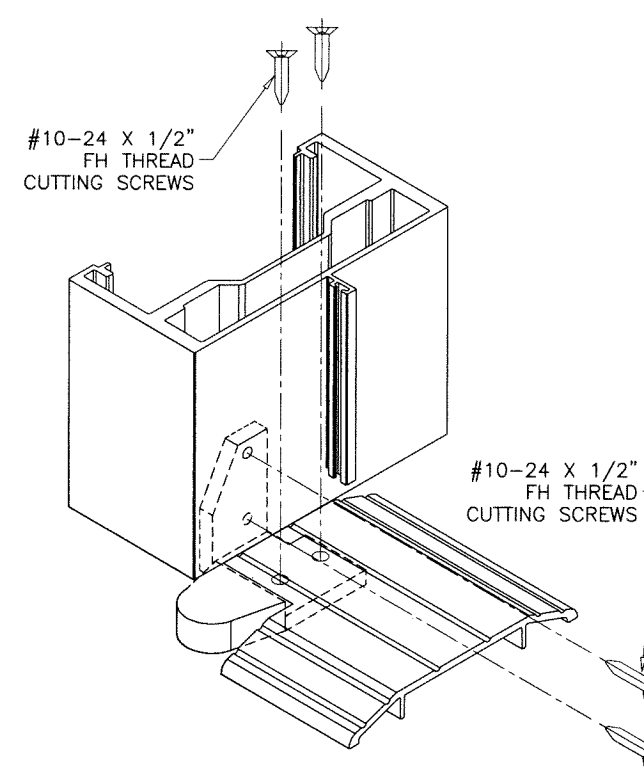
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| 18-47F           |
| sheet 16.2 of 18 |



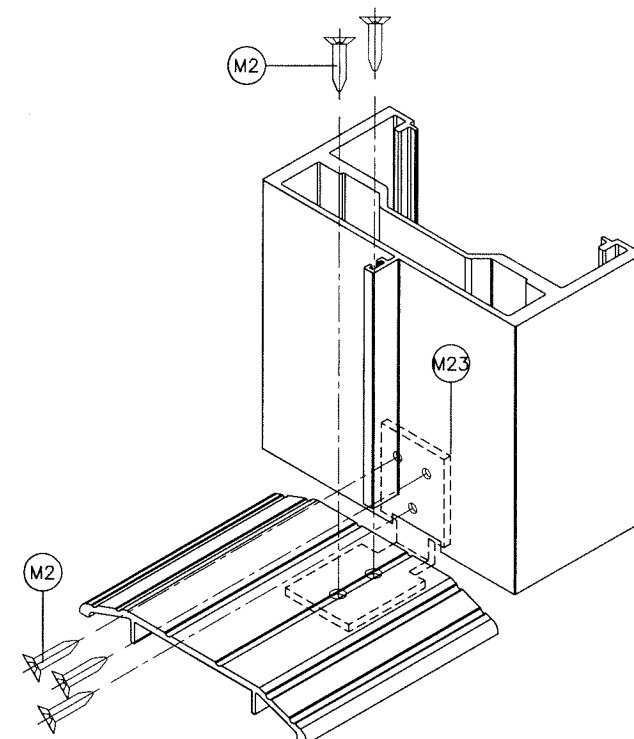
FRAME TOP CORNER



THRESHOLD CORNER



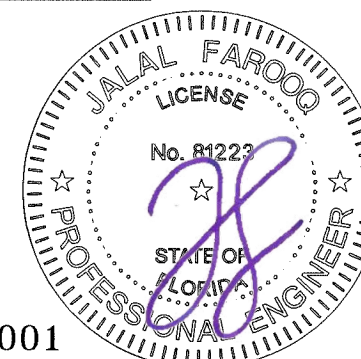
PIVOT THRESHOLD CORNER



THRESHOLD CORNER

Sealed: 10/13/2026

FL #27001



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COMP-ANL 18-47F-MG

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SERIES-MG500 ALUM OUTSWING FRENCH DOOR (L.M.I.)

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18-47F

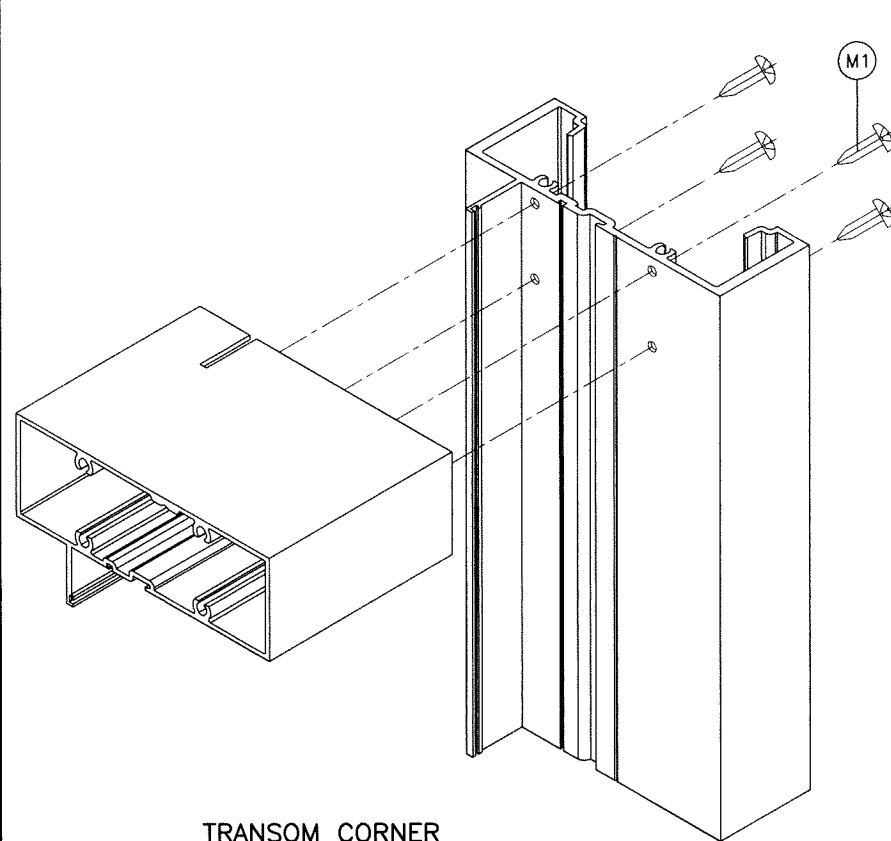
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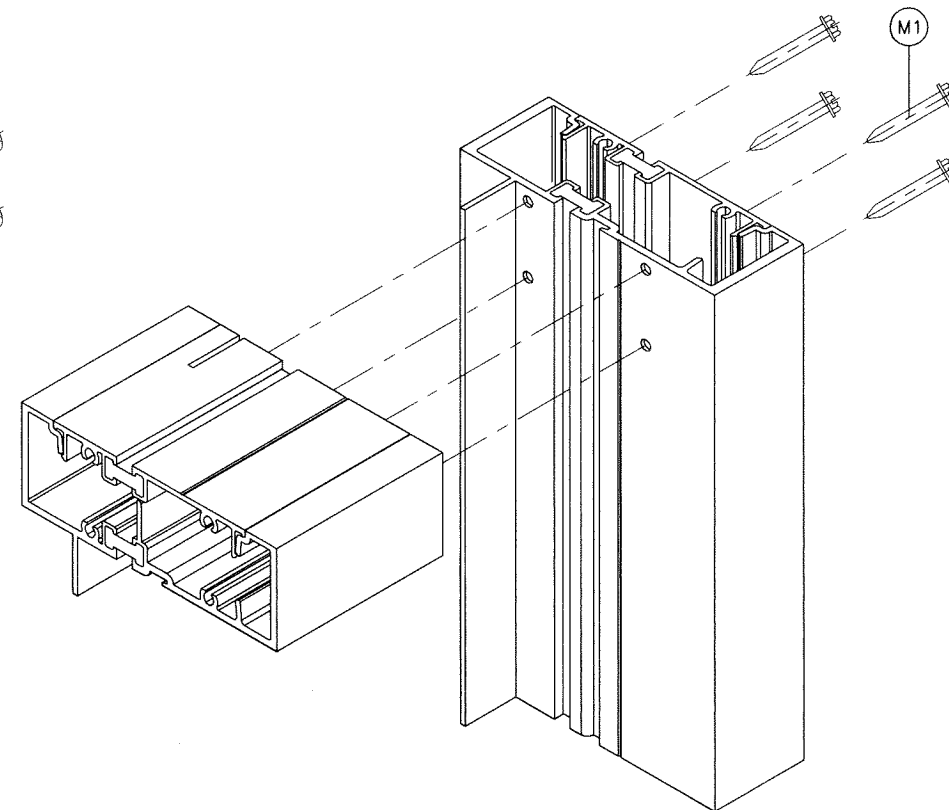
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chk. by:

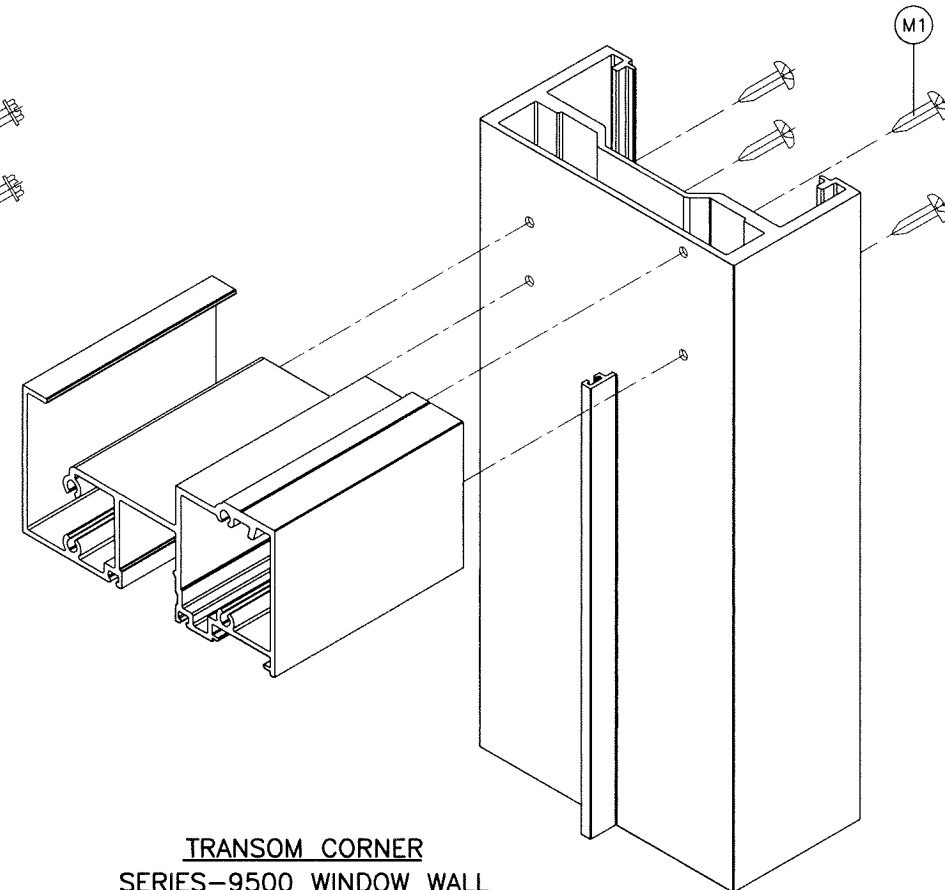
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**18-47F**  
sheet 17 of 18



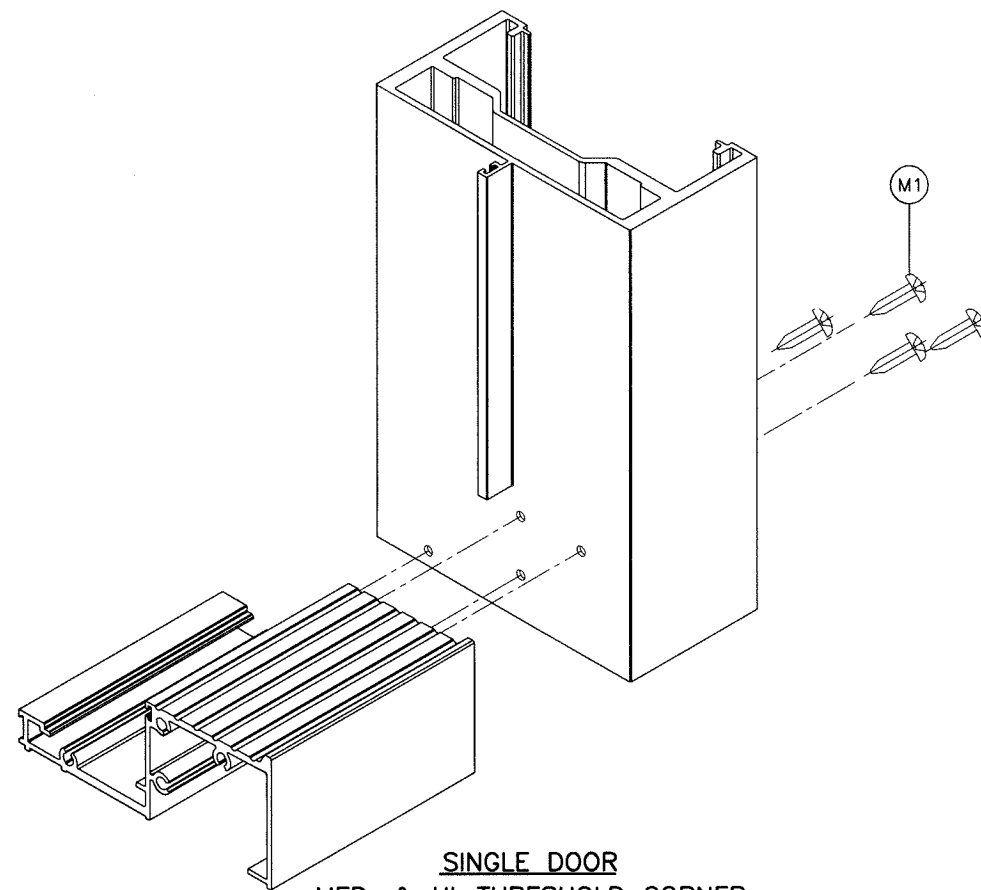
TRANSOM CORNER  
SERIES-MG5000 WINDOW WALL



TRANSOM CORNER  
SERIES-8000T WINDOW WALL

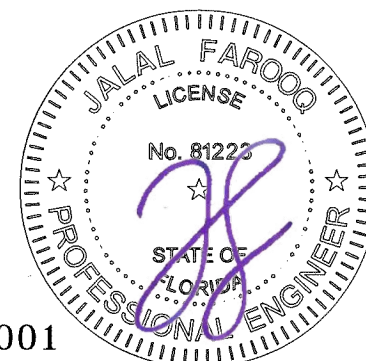


TRANSOM CORNER  
SERIES-9500 WINDOW WALL



SINGLE DOOR  
MED. & HI-THRESHOLD CORNER

Sealed: 10/13/2026



FL #27001

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

**af c**

COMP-ANL 18-47F-MG

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SERIES-MG500 ALUM. OUTSWING FRENCH DOOR (L.M.I.)

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revisions:

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date: 04-20-18

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no.

**18-47F**

sheet 18 of 18