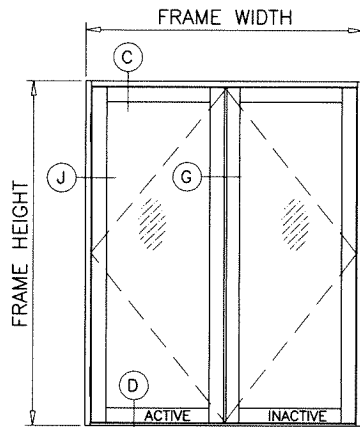


LOCK OPTION 1 & 2



LOCK OPTION 1 & 2

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

**D.L. OPENINGS:**

D.L.O. HEIGHT = LEAF HEIGHT - 8.1875" (STD. BOT. RAIL)  
D.L.O. HEIGHT = LEAF HEIGHT - 11.9375" (HI RISE BOT. RAIL)  
D.L.O. WIDTH = LEAF WIDTH - 8.625"

**WIDTHS:**

| FRAME WIDTH | LEAF WIDTH | DAYLITE OPG. |
|-------------|------------|--------------|
| 31-1/2"     | 28-11/16"  | 20-1/16"     |
| 37-1/2"     | 34-11/16"  | 26-1/16"     |
| 39-5/8"     | 36-13/16"  | 28-3/16"     |
| 59-3/4"     | 28-11/16"  | 20-1/16"     |
| 71-3/4"     | 34-11/16"  | 26-1/16"     |
| 76"         | 36-13/16"  | 28-3/16"     |

**HEIGHTS:**

|              |             | DAYLITE OPG.         |                        |
|--------------|-------------|----------------------|------------------------|
| FRAME HEIGHT | LEAF HEIGHT | STANDARD BOTTOM RAIL | HI-PROFILE BOTTOM RAIL |
| 82-1/2"      | 80"         | 71-13/16"            | 68-1/16"               |
| 95-3/4"      | 93-1/4"     | 85-1/16"             | 81-5/16"               |

**'X' DOORS**

| DESIGN LOAD CAPACITY - PSF (GLASS AND HARDWARE OPTIONS) |                       |                |          |           |          |          |          |           |          |            |          |           |          |            |          |            |          |
|---------------------------------------------------------|-----------------------|----------------|----------|-----------|----------|----------|----------|-----------|----------|------------|----------|-----------|----------|------------|----------|------------|----------|
| FRAME HEIGHT<br>INCHES                                  | FRAME WIDTH<br>INCHES | GLASS TYPES    |          |           |          |          |          |           |          | HINGES     |          |           |          | LOCKS      |          |            |          |
|                                                         |                       | 'A', 'B' & 'D' |          | 'C' & 'E' |          | 'F'      |          | 'G' & 'H' |          | OPTION '1' |          | '2' & '3' |          | OPTION '1' |          | OPTION '2' |          |
|                                                         |                       | EXT. (+)       | INT. (-) | EXT. (+)  | INT. (-) | EXT. (+) | INT. (-) | EXT. (+)  | INT. (-) | EXT. (+)   | INT. (-) | EXT. (+)  | INT. (-) | EXT. (+)   | INT. (-) | EXT. (+)   | INT. (-) |
| 95-3/4                                                  | 37-1/2                | 70.0           | 80.0     | 90.0      | 90.0     | 100.0    | 120.0    | 70.0      | 80.0     | 90.0       | 90.0     | 100.0     | 120.0    | 70.0       | 80.0     | 100.0      | 120.0    |
|                                                         | 39-5/8                | -              | -        | 90.0      | 90.0     | 100.0    | 120.0    | 70.0      | 80.0     | 90.0       | 90.0     | 100.0     | 120.0    | 70.0       | 80.0     | 100.0      | 120.0    |

NOTE:  
LOWEST VALUE SELECTED FROM OPTION WILL APPLY.

**'XX' DOORS**

| DESIGN LOAD CAPACITY - PSF (GLASS AND HARDWARE OPTIONS) |                       |                |          |           |          |          |          |           |          |            |          |           |          |                  |          |            |          |
|---------------------------------------------------------|-----------------------|----------------|----------|-----------|----------|----------|----------|-----------|----------|------------|----------|-----------|----------|------------------|----------|------------|----------|
| FRAME HEIGHT<br>INCHES                                  | FRAME WIDTH<br>INCHES | GLASS TYPES    |          |           |          |          |          |           |          | HINGES     |          |           |          | LOCKS            |          |            |          |
|                                                         |                       | 'A', 'B' & 'D' |          | 'C' & 'E' |          | 'F'      |          | 'G' & 'H' |          | OPTION '1' |          | '2' & '3' |          | OPTION '1' & '3' |          | OPTION '2' |          |
|                                                         |                       | EXT. (+)       | INT. (-) | EXT. (+)  | INT. (-) | EXT. (+) | INT. (-) | EXT. (+)  | INT. (-) | EXT. (+)   | INT. (-) | EXT. (+)  | INT. (-) | EXT. (+)         | INT. (-) | EXT. (+)   | INT. (-) |
| 95-3/4                                                  | 71-3/4                | 70.0           | 80.0     | 90.0      | 90.0     | 90.0     | 90.0     | 70.0      | 80.0     | 90.0       | 90.0     | 90.0      | 90.0     | 70.0             | 80.0     | 90.0       | 90.0     |
|                                                         | 76                    | -              | -        | 90.0      | 90.0     | 90.0     | 90.0     | 70.0      | 80.0     | 90.0       | 90.0     | 90.0      | 90.0     | 70.0             | 80.0     | 90.0       | 90.0     |

**HINGES:**

**OPTION #1:**

THREE PIECE ALUM BUTT HINGE BY 'E.S. WINDOWS'  
(3) HINGES PER LEAF AT 11" FROM TOP & BOTTOM  
AND AT MIDSPAN  
FASTENED TO DOOR FRAME AND LEAF WITH  
#10 X 1" FH SMS  
(6) SCREWS AT FRAME, (5) SCREWS AT LEAF

**OPTION #2:**

FACE MOUNT 2 WING PIVOT HINGE BY 'MASTER ACCESSORIES'  
WITH EXTRUDED ALUMINUM BASE, DIE CAST ALUMINUM  
COVER PLATES, ST. STEEL PIVOTS AND GALV. STEEL  
BRUSHES AND SCREWS  
(2) HINGES PER LEAF AT 12" FROM TOP & BOTTOM  
FASTENED TO DOOR FRAME AND LEAF WITH  
5/16-24 X 1" FH MS (2) PER WING

**OPTION #3:**

SERIES 60AT (DR HAHN A701) DIE CAST ALUMINUM HINGE  
BY 'DR HAHN'  
(2) HINGES PER LEAF AT 8-1/2" FROM TOP & BOTTOM  
FASTENED TO DOOR FRAME AND LEAF WITH  
(2) 5/16-24 X 1" HEX DRIVE FLAT HEAD SCREWS

**LOCKING HARDWARE:**

**ACTIVE LEAF:**

**OPTION #1:**

SURFACE MOUNT DEAD BOLT LOCK BY 'YALE'  
AT 45" FROM BOTTOM, KEY OPERATED ON  
EXTERIOR AND THUMB TURN ON INTERIOR  
FASTENED TO ACTIVE LEAF LOCK STILE WITH  
(2) 1/4-28 X 2-1/2" OH MS  
LEVER TYPE METALLIC HANDLE AT 37" FROM  
BOTTOM, FASTENED TO ACTIVE LEAF LOCK STILE  
WITH (2) #8-32 X 1-3/4" PH MS.

CONCEALED FLUSH BOLTS BY 'SULLIVAN & ASSOC.'  
MANUALLY OPERATED LEVERS MOUNTED ON STILE  
FACE, LOCATED AT 12" FROM TOP AND BOTTOM  
FASTENED TO LOCK STILE WITH  
#8 X 3/4" FH SMS (2) SCREWS PER BOLT

**OPTION #2:**

3 POINT LOCK SYSTEM BY 'INTERLOCK' AT 39"  
FROM BOTTOM  
HANDLE ACTIVATES DEAD BOLT AND SHOOT BOLTS  
ENGAGING AT HEAD AND SILL  
KEY OPERATED ON EXTERIOR AND THUMB TURN ON  
INTERIOR  
FASTENED TO ACTIVE LEAF LOCK STILE WITH  
(2) #8-32 X 2" OH MS

**OPTION #3:**

4-POINT MORTICE LOCK SYSTEM BY 'INTERLOCK'  
AT 39" FROM BOTTOM  
HANDLE ACTIVATES DEAD BOLT AND SHOOT BOLTS  
ENGAGING AT HEAD AND SILL  
KEY OPERATED ON EXTERIOR AND THUMB TURN ON  
INTERIOR  
FASTENED TO ACTIVE LEAF LOCK STILE WITH  
(2) #8-32 X 2" OH MS

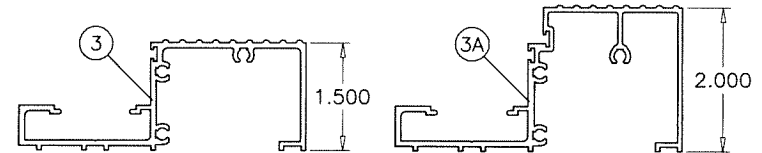
**INACTIVE LEAF (FOR USE WITH OPTIONS 1,2 & 3)**

CONCEALED FLUSH BOLTS BY 'SULLIVAN & ASSOC.'  
MANUALLY OPERATED LEVERS MOUNTED ON  
INSIDE FACE OF LEAF STILE LOCATED AT  
12" FROM TOP AND BOTTOM  
FASTENED TO LOCK STILE WITH  
#8 X 3/4" FH SMS (2) PER BOLT

**WATER INFILTRATION LIMITATIONS:**

WHERE WATER INFILTRATION RESISTANCE IS REQUIRED  
LIMIT EXTERIOR LOADS FOR ALL CASES AS FOLLOWS  
STD. SILL = +70.0 PSF (X & XX DOORS)  
HI-RISE SILL = +90.0 PSF (XX DOORS)  
+100.0 PSF (X DOORS)

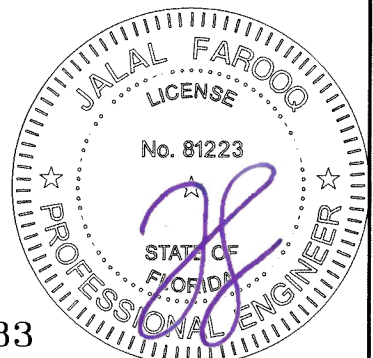
EXCEPT GLASS TYPES 'G' & 'H' REQUIRE HI-RISE SILL  
FOR ALL CASES.



STD. SILL

HI-RISE SILL

Sealed: 7/30/2025



FL #15983

afc

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

SERIES-3000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

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

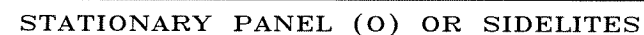
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drawing no.

25-70F

sheet 2 of 11



**WATER INFILTRATION LIMITATIONS:**

HI-RISE SILL = +90.0 PSF

3

1.500

STD. SILL

3A

2.000

HI-RISE SILL

FL #15983

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9360 SUNSET DRIVE, SUITE 220  
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(C.A.N. 3538)

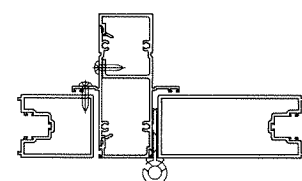
305) 262-6978

305) 262-6978

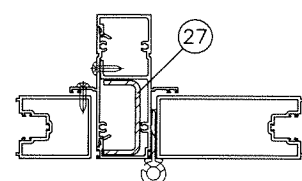
# MULLION

## DESIGN LOAD CAPACITY - PSF

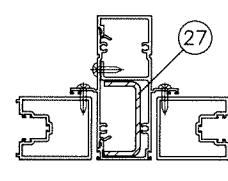
| SIDELITE WIDTH<br>INCHES | FRAME HEIGHT<br>FT./IN. | DOOR TO<br>SIDELITE MULLION     |                               | SIDELITE TO<br>SIDELITE MULL  |
|--------------------------|-------------------------|---------------------------------|-------------------------------|-------------------------------|
|                          |                         | UNREINFORCED<br>EXT.(+)/INT.(-) | REINFORCED<br>EXT.(+)/INT.(-) | REINFORCED<br>EXT.(+)/INT.(-) |
| 24                       | 6/10-1/2                | 80.0                            | 80.0                          | 90.0                          |
| 27                       |                         | 80.0                            | 80.0                          | 90.0                          |
| 30                       |                         | 80.0                            | 80.0                          | 90.0                          |
| 33                       |                         | 80.0                            | 80.0                          | 90.0                          |
| 36                       |                         | 80.0                            | 80.0                          | 90.0                          |
| 39                       |                         | 80.0                            | 80.0                          | 90.0                          |
| 42                       |                         | 79.2                            | 80.0                          | 90.0                          |
| 24                       | 7/0                     | 80.0                            | 80.0                          | 90.0                          |
| 27                       |                         | 80.0                            | 80.0                          | 90.0                          |
| 30                       |                         | 80.0                            | 80.0                          | 90.0                          |
| 33                       |                         | 80.0                            | 80.0                          | 90.0                          |
| 36                       |                         | 80.0                            | 80.0                          | 90.0                          |
| 39                       |                         | 77.9                            | 80.0                          | 90.0                          |
| 18                       | 8/0                     | 71.2                            | 80.0                          | 90.0                          |
| 21                       |                         | 67.7                            | 80.0                          | 90.0                          |
| 24                       |                         | 64.5                            | 80.0                          | 90.0                          |
| 27                       |                         | 61.6                            | 77.7                          | 90.0                          |
| 30                       |                         | 58.9                            | 74.4                          | 83.3                          |
| 33                       |                         | 56.5                            | 71.3                          | 76.4                          |
| 36                       |                         | 54.2                            | 68.5                          | 70.7                          |



UNREINFORCED



REINFORCED

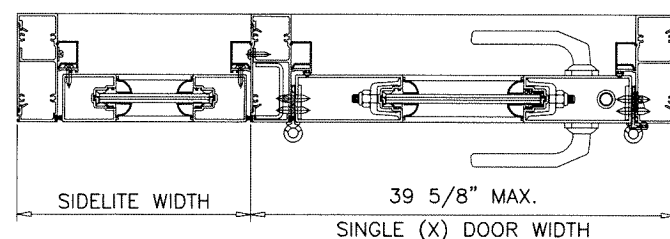


REINFORCED

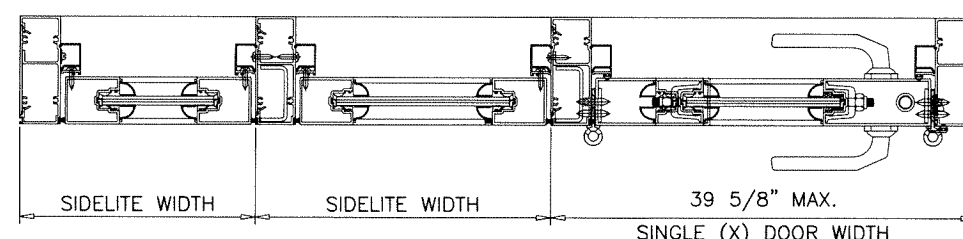
DOOR TO SIDELITE MULLION

SIDELITE TO SIDELITE MULLION

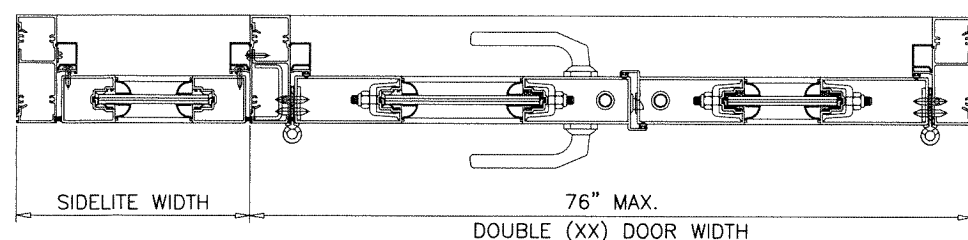
NOTE:  
FOR DOORS CAPACITY SEE SHEET 2  
FOR SIDELITE CAPACITIES SEE SHEET 3.  
FOR SIDELITE MULLION CAPACITY SEE CHART ABOVE  
LOWER VALUES FROM DOORS, SIDELITE OR DOOR/SIDELITE MULLION  
CHART WILL APPLY TO ENTIRE SYSTEM.



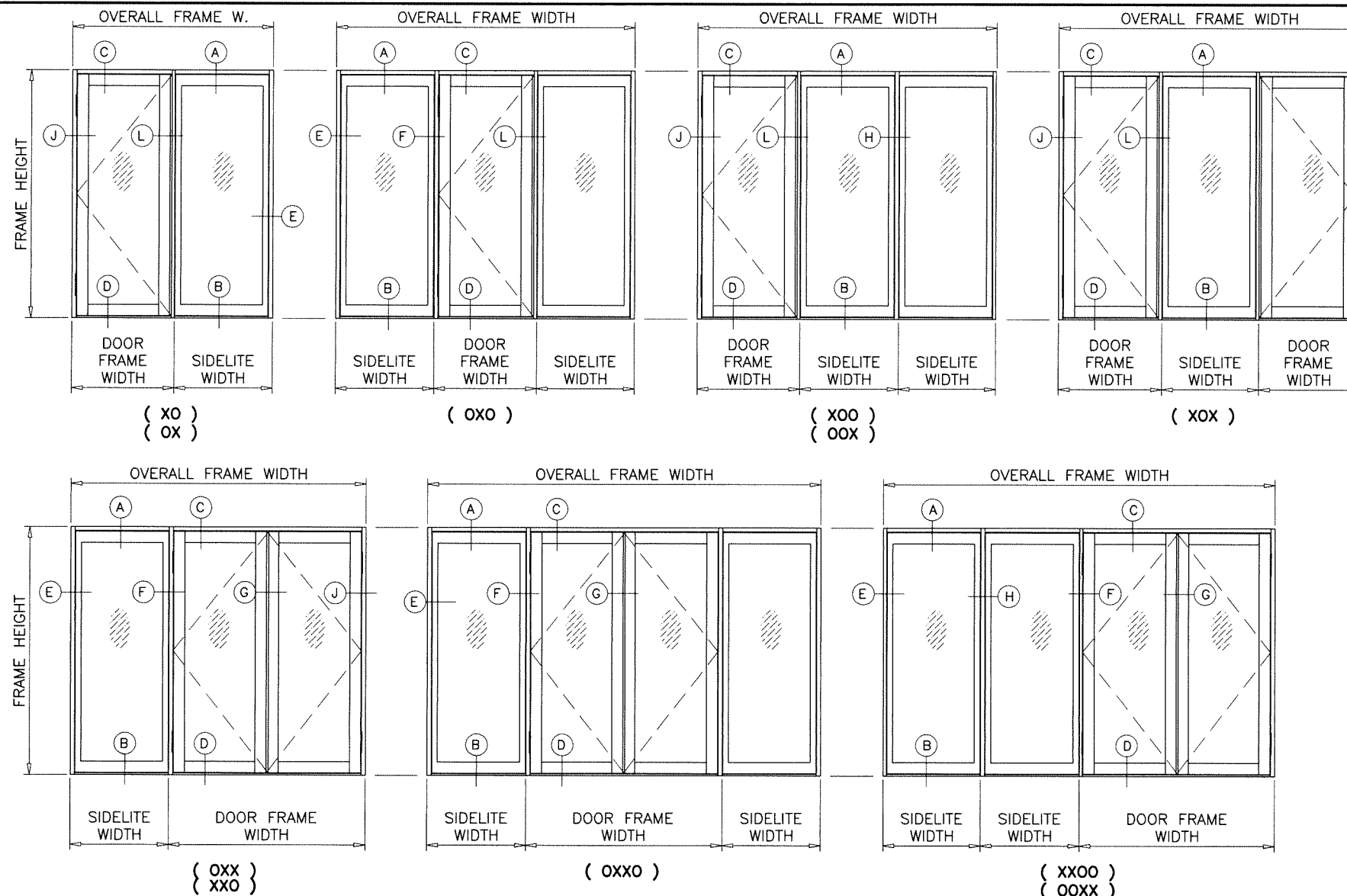
SIDELITE WIDTH 39 5/8" MAX.  
SINGLE (X) DOOR WIDTH



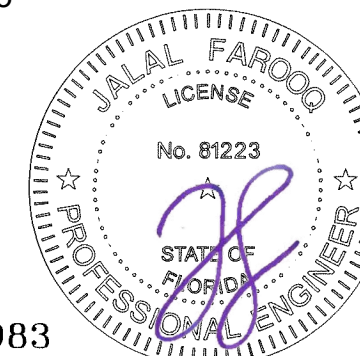
SIDELITE WIDTH 39 5/8" MAX.  
SINGLE (X) DOOR WIDTH



SIDELITE WIDTH 76" MAX.  
DOUBLE (XX) DOOR WIDTH



Sealed: 7/30/2025



FL #15983

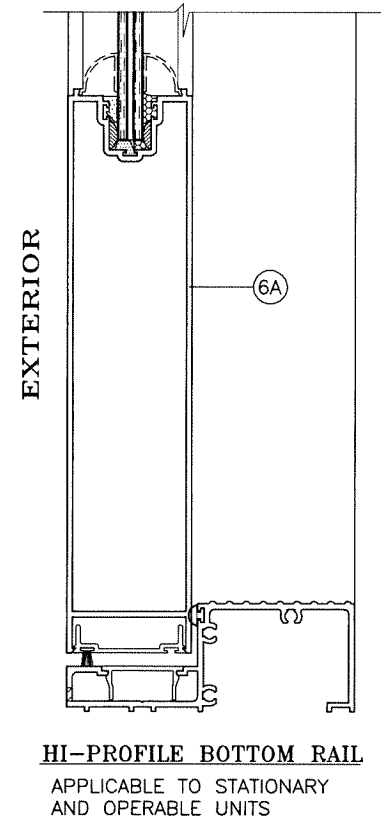
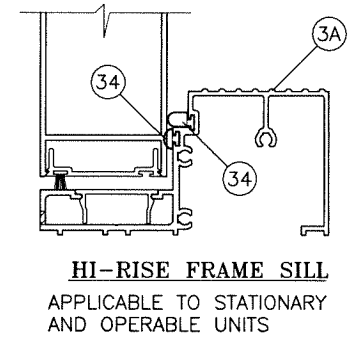
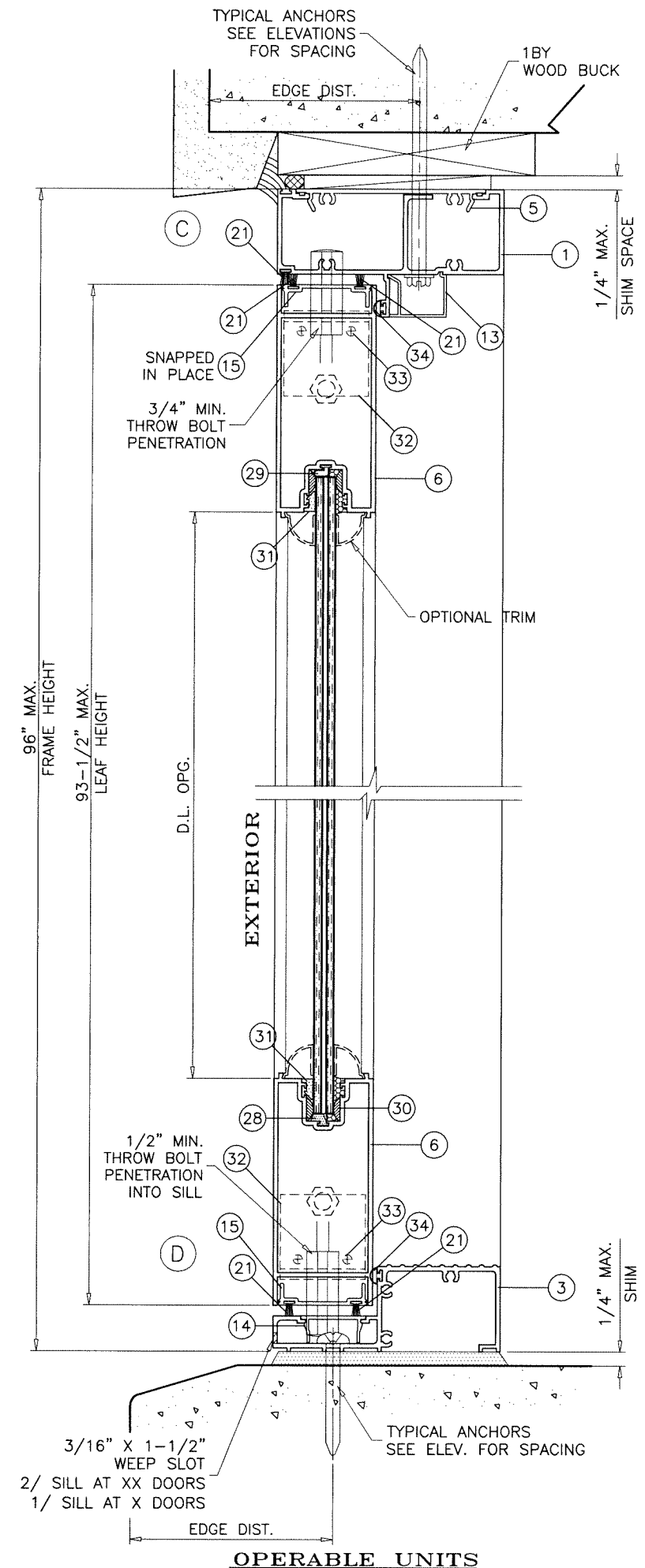
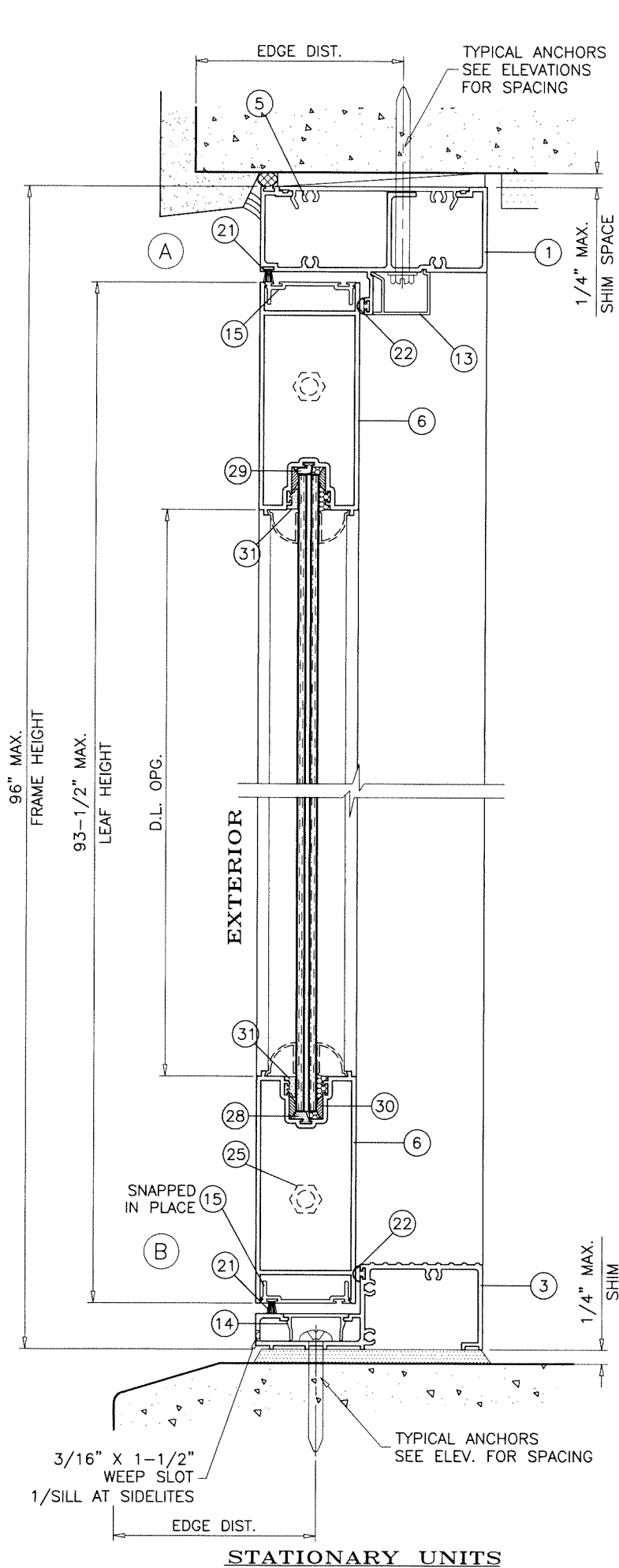
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
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SERIES-3000 ALUM OUTSWING FRENCH DOOR (L.M.I.)  
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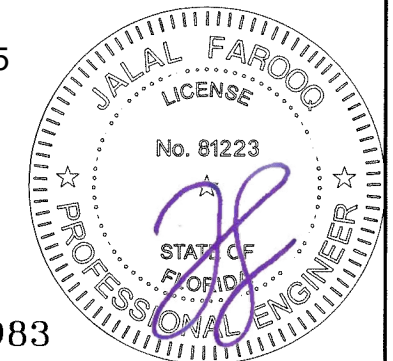
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dr. by: TARIQ  
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drawing no.  
**25-70F**  
sheet 4 of 11



Sealed: 7/30/2025



FL #15983

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**a f c**  
COMP-ANL 25-70F-ES

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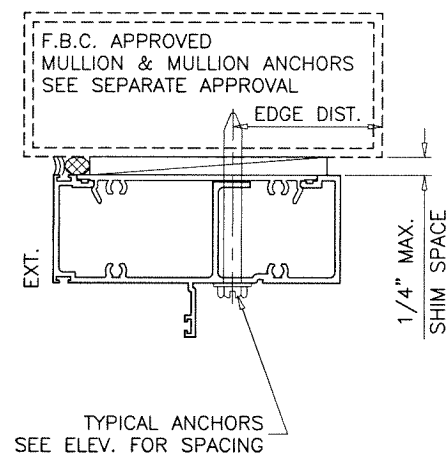
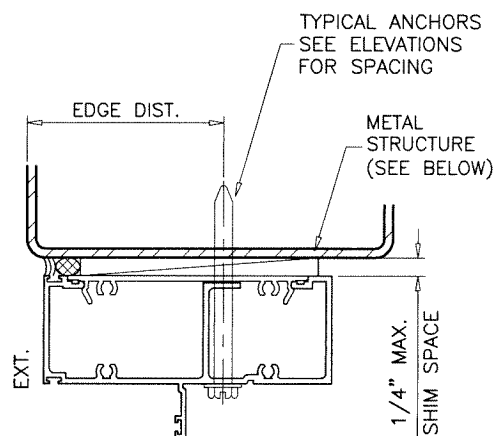
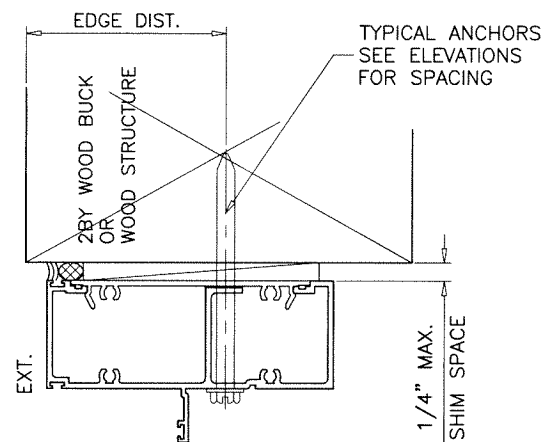
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chk. by:

drawing no.  
**25-70F**  
sheet 5 of 11



WOOD BUCKS AND METAL STRUCTURE NOT BY 'E.S. WINDOWS' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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

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

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)

1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

**#14 SMS OR SELF DRILLING SCREWS** (GRADE 2 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)

#### **TYPICAL EDGE DISTANCE**

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

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.

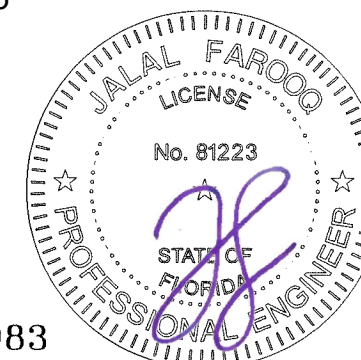
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

#### **SEALANTS:**

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE.

Sealed: 7/30/2025



FL #15983

**a f c**

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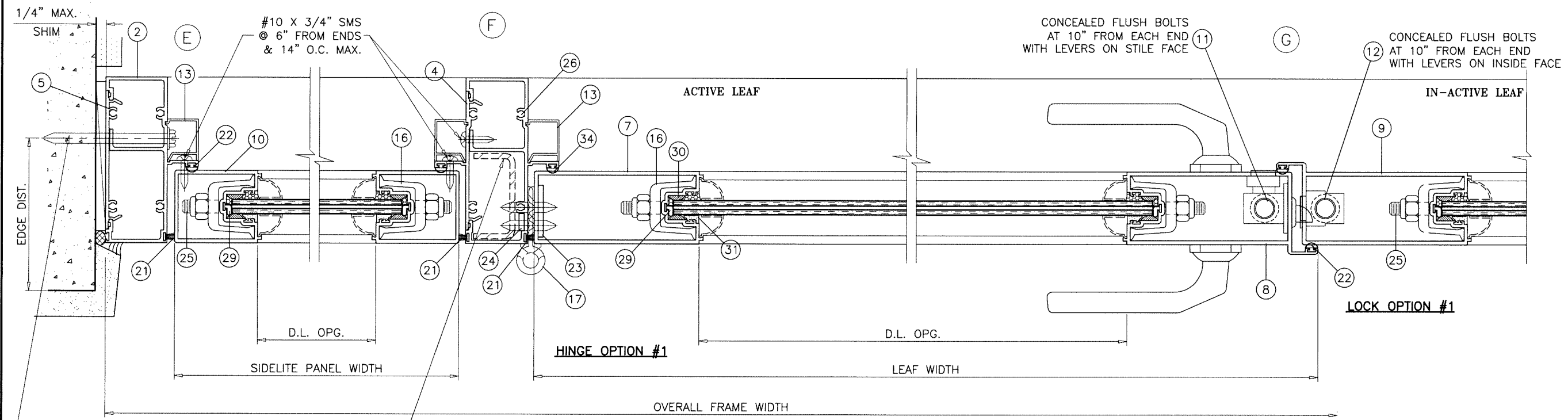
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25-70F

sheet 6 of 11

COMP-ANL\25-70F-ES

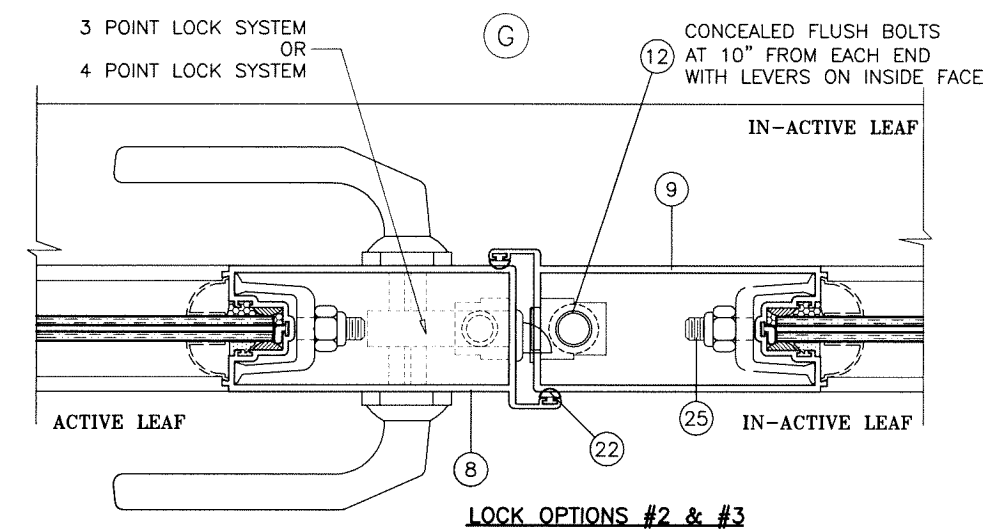
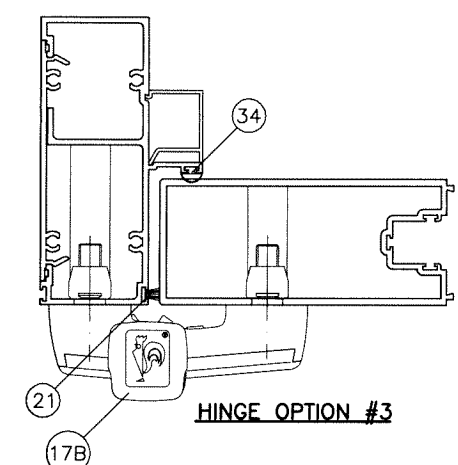
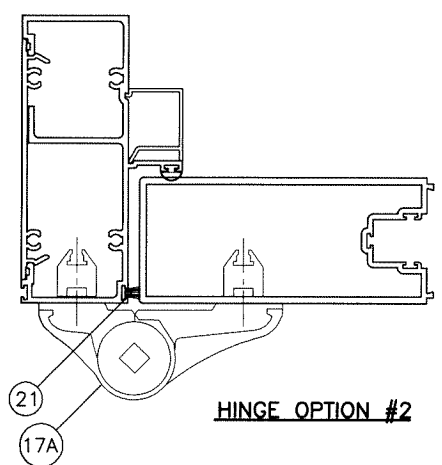


(FLUSH BOLTS AT ACTIVE AND INACTIVE LEAFS  
MUST BE ENGAGED DURING PERIODS  
OF HURRICANE WARNING)

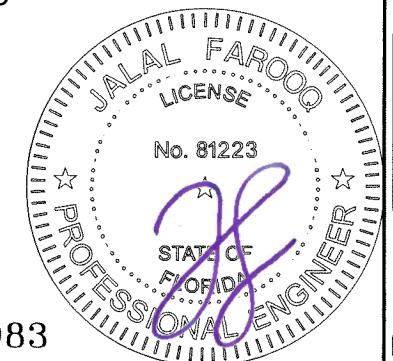
TYPICAL ANCHORS  
SEE ELEV.  
FOR SPACING

OPTIONAL REINFORCING  
SEE SHEET 2.2 FOR CAPACITY  
.96" X 2" X .96" X 1/8"  
FULL LENGTH STL. CHANNEL  
(CARBON STEEL TO BE PAINTED OR PLATED)

EXTERIOR  
( OXXO )



Sealed: 7/30/2025



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TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\25-70F-ES

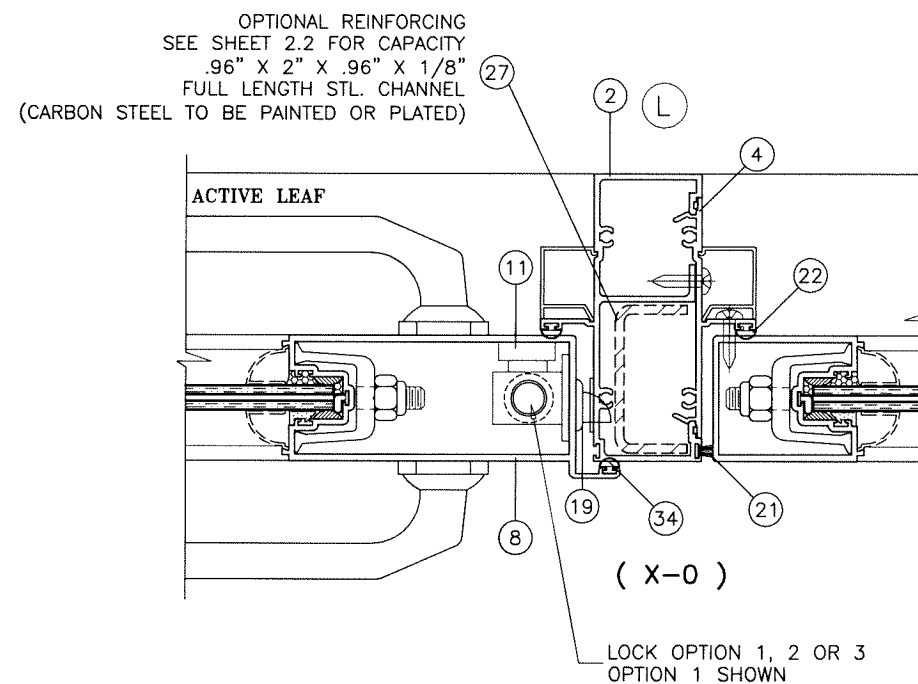
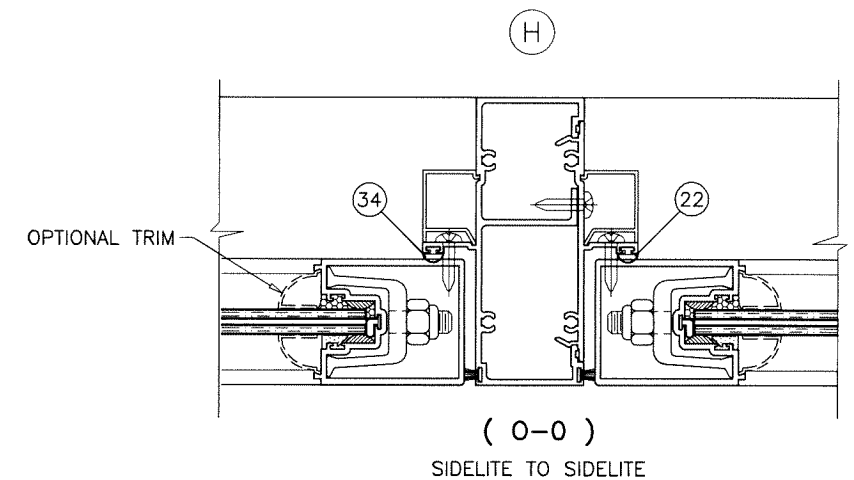
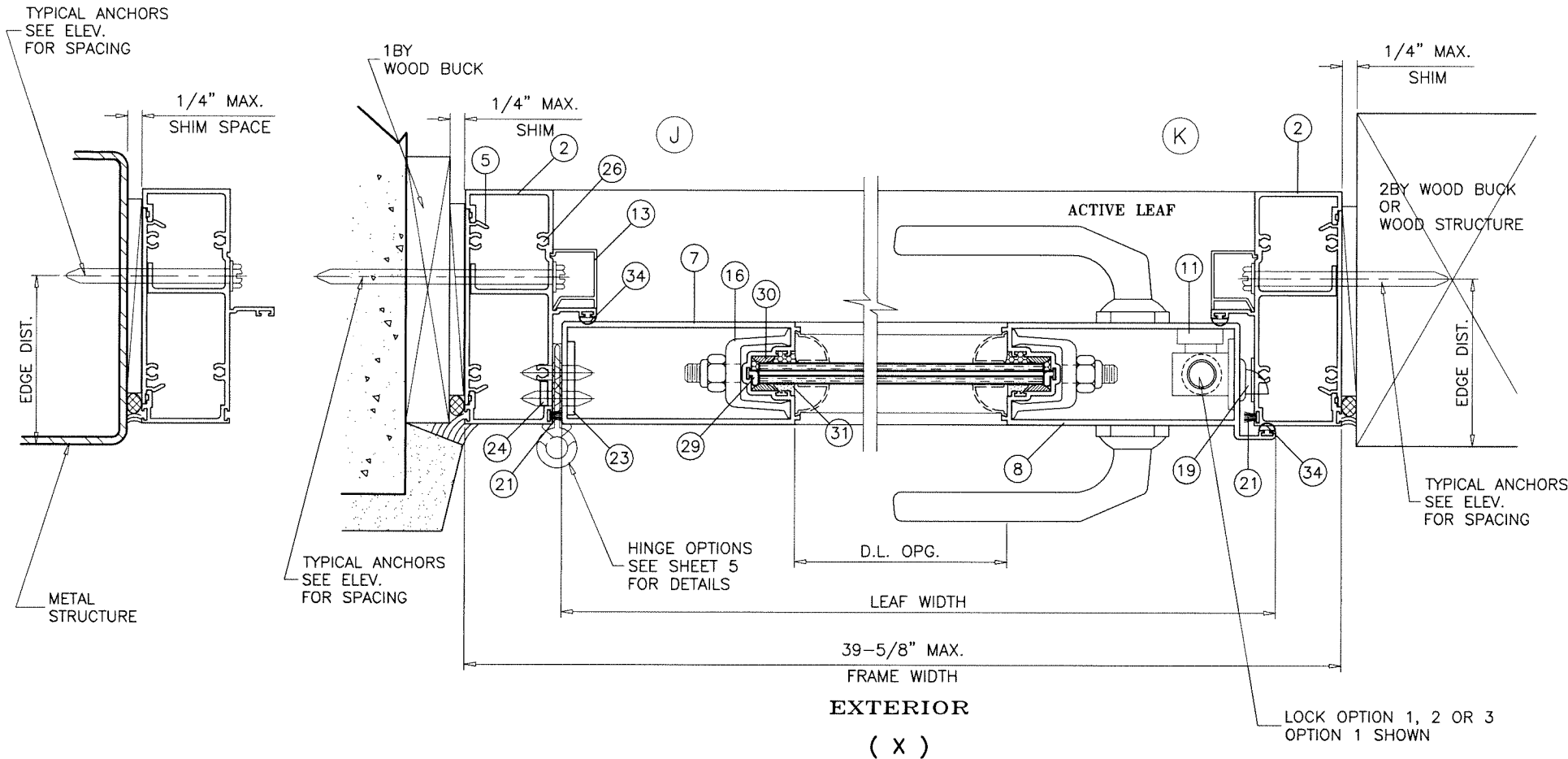
SERIES-3000 ALUM OUTSWING FRENCH DOOR (L.M.I.)  
**E.S. WINDOWS, LLC**  
3550 N.W. 49 STREET  
MIAMI, FL. 33142  
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

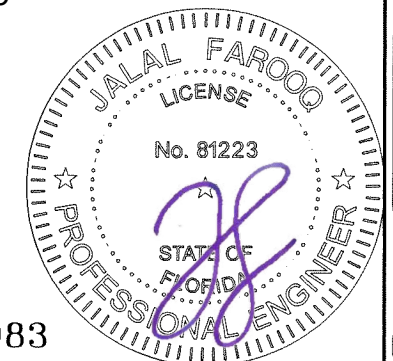
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**25-70F**  
sheet 7 of 11



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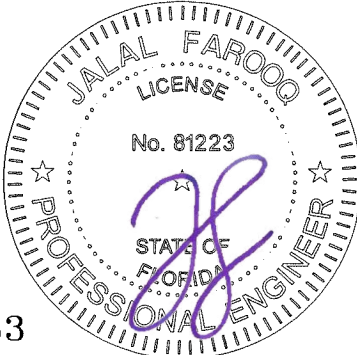
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**AL-FAROOQ CORPORATION**  
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| drawing no. |          | 25-70F                 |           |
| sheet       |          | 8 of 11                |           |

| ITEM # | PART #      | QUANTITY | DESCRIPTION                                      | MATERIAL      | MANF./SUPPLIER/REMARKS  |
|--------|-------------|----------|--------------------------------------------------|---------------|-------------------------|
| 1      | ES3001-1    | 1        | FRAME HEAD                                       | 6063-T6       | -                       |
| 2      | ES3001-2    | 2        | DOOR FRAME JAMB                                  | 6063-T6       | -                       |
| 3      | ES3002-1    | 1        | FRAME SILL (STANDARD)                            | 6063-T5       | -                       |
| 3A     | ES3025      | 1        | FRAME SILL (HI-RISE)                             | 6063-T5       | -                       |
| 4      | ES3003-1    | AS REQD. | SIDELITE ADAPTER                                 | 6063-T6       | -                       |
| 5      | ES3004      | AS REQD. | SHEAR PLATE @ ANCHOR LOCATIONS                   | 6063-T6       | 3" LONG                 |
| 6      | ES3005-1    | 2/ LEAF  | TOP AND BOTTOM RAIL                              | 6063-T5       | -                       |
| 6A     | ES3024      | 2/ LEAF  | HI-PROFILE BOTTOM RAIL                           | 6063-T5       | -                       |
| 7      | ES3006-1    | 1/ LEAF  | DOOR LEAF JAMB - HINGE SIDE                      | 6063-T5       | -                       |
| 8      | ES3007-1    | 1/ LEAF  | DOOR LEAF - LOCK SIDE                            | 6063-T6       | -                       |
| 9      | ES3007-2    | 1/ LEAF  | DOOR LEAF - KEEPER SIDE                          | 6063-T6       | -                       |
| 10     | ES3008-1    | AS REQD. | SIDELITE STILE                                   | 6063-T5       | -                       |
| 11     | FB-1202-914 | 2/ LEAF  | CONCEALED FLUSH BOLT                             | STEEL         | SULLIVAN & ASSOCIATES   |
| 12     | FB-1202-914 | 2/ LEAF  | CONCEALED FLUSH BOLT                             | STEEL         | SULLIVAN & ASSOCIATES   |
| 13     | ES3011      | AS REQD. | JAMB TRIM                                        | 6063-T5       | OPTIONAL                |
| 14     | ES3012      | 1        | SILL COVER                                       | 6063-T6       | -                       |
| 15     | ES3013      | 2/ LEAF  | WEATHERSTRIP ADAPTER                             | 6063-T5       | -                       |
| 16     | ES3014-1    | 4/ PANEL | PANEL CLAMP                                      | 6063-T6       | -                       |
| 17     | ES3003-3    | 3/ LEAF  | HINGE ASSEMBLY                                   | 6063-T6       | SEE SHEET 2             |
| 17A    | -           | 2/ LEAF  | PIVOT HINGES                                     | -             | SEE SHEET 2, MASTER     |
| 17B    | M701        | 2/ LEAF  | DR HAHN 2 PIECE HINGE, AT 6" FROM EACH END       | DIE CAST ALUM | SEE SHEET 2             |
| 19     | -           | -        | DOOR LOCK (SAVANNAH 201SL)                       | -             | YALE                    |
| 20     | -           | -        | DEAD BOLT LOCK (PREMIER)                         | -             | YALE                    |
| 21     | W22321NG    | AS REQD. | FIN-SEAL PILE W'STRIPPING                        | -             | ULTRAFAB                |
| 22     | ES3020      | AS REQD. | BULB WEATHERSTRIPPING                            | VINYL         | AT SIDELITE PANELS      |
| 23     | -           | 1/ HINGE | HINGE REINFORCING BAR                            | ALUMINUM      | 1-1/4"X1/8"X4-1/4" LONG |
| 24     | -           | AS REQD. | HINGE REINFORCING BAR                            | ALUMINUM      | 1/8" THK. X 7-7/8" LONG |
| 25     | -           | 2/ LEAF  | 3/8" DIA. THREADED ROD W/ NUTS                   | STEEL         | -                       |
| 26     | -           | AS REQD. | FRAME ASSY. SCREWS                               | -             | #10 PAN HEAD SMS        |
| 27     | -           | AS REQD. | MULLION REINF. CHANNEL (LENGTH = MULL HT. - 10") | A36 STEEL     | -                       |
| 28     | ES4014      | AS REQD. | BOTTOM RAIL GLASS STOP                           | NEOPRENE      | -                       |
| 29     | ES4019      | AS REQD. | PANEL SILICONE STOP                              | NEOPRENE      | -                       |
| 30     | -           | AS REQD. | 3/8" DIA. X 1/8" HT. BUMPER                      | SILICONE      | FRANK LOWE RUBBER CO.   |
| 31     | ES4013      | AS REQD. | WEDGE GASKET                                     | SILICONE/EPDM | TREMCO                  |
| 31A    | ES-3000-G01 | AS REQD. | WEDGE GASKET                                     | SILICONE/EPDM | TREMCO                  |
| 32     | ES3022      | 2/ STILE | FLUSH BOLT BRACKET                               | 6063-T5       | -                       |
| 33     | -           | 2/ BKT.  | BRACKET INSTALLATION SCREWS                      | -             | #10 X 1" FH SMS         |
| 34     | Q/LON       | AS REQD. | DOOR PANEL W'STRIPPING                           | -             | SCHLEGEL                |
| 35     | -           | AS REQD. | 1/16" X 1/2" GLAZING TAPE                        | URETHANE      | SAINT GOBAIN            |
| 36     | -           | AS REQD. | 1/8" X 1/2" GLAZING TAPE                         | URETHANE      | SAINT GOBAIN            |

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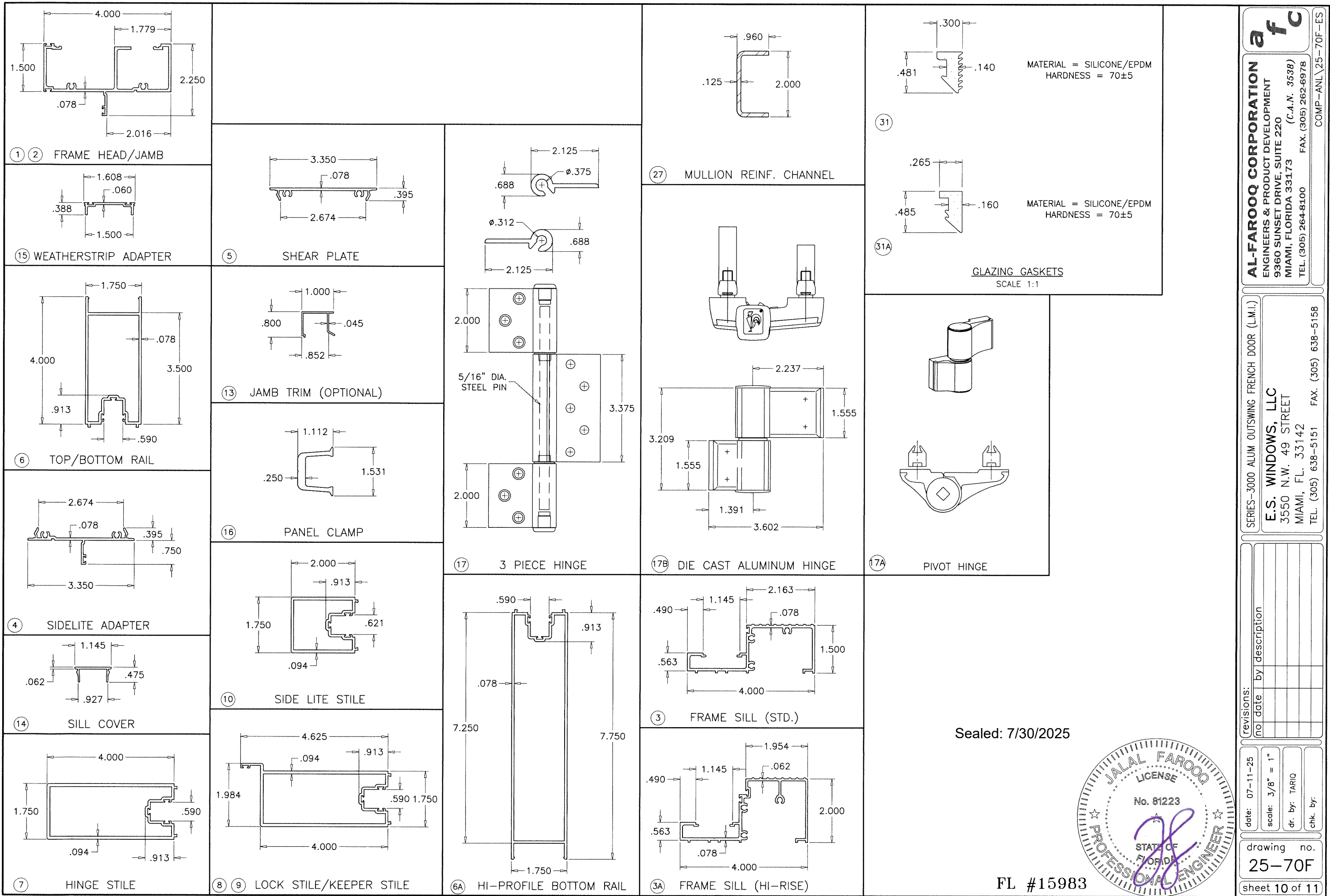
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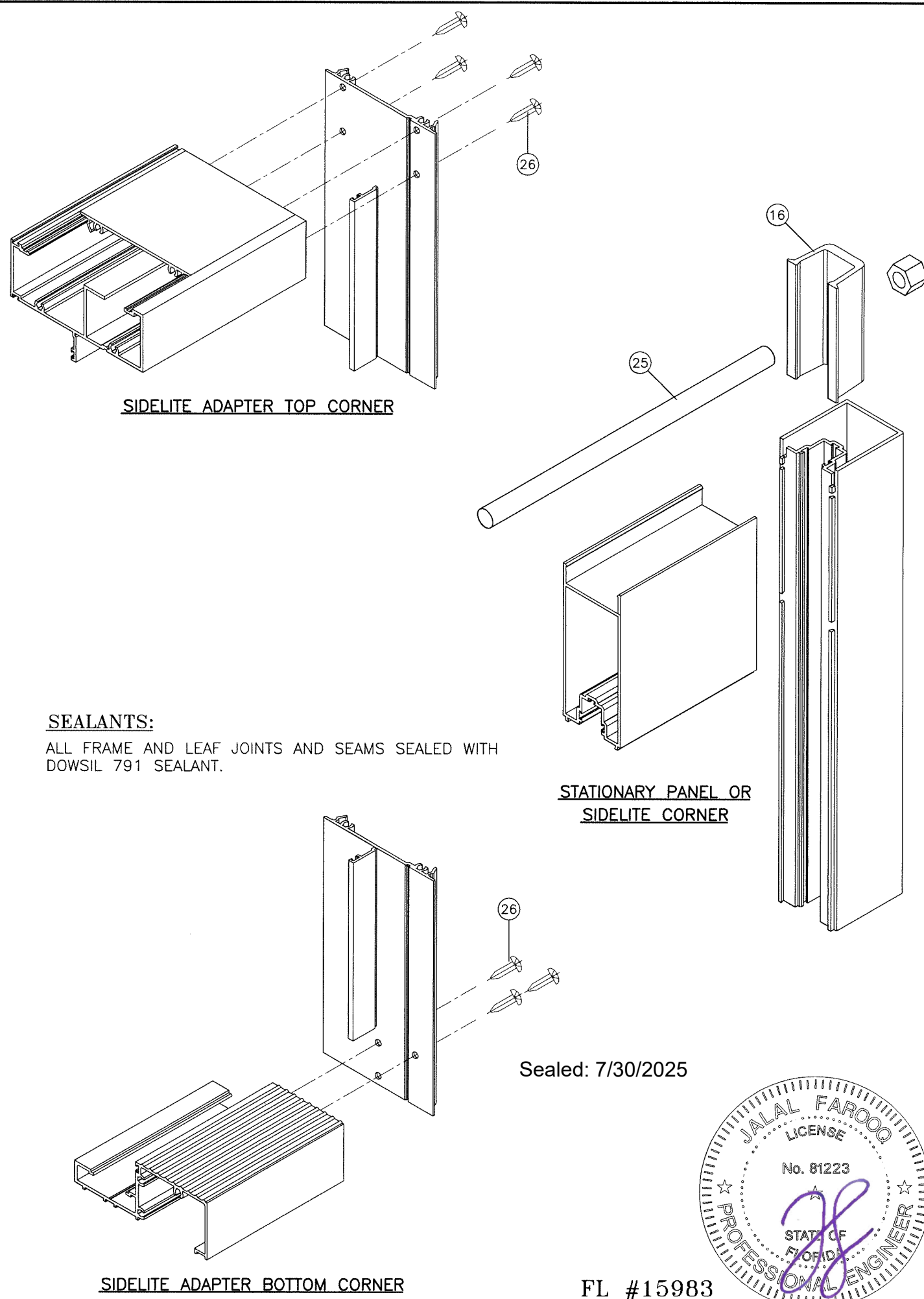
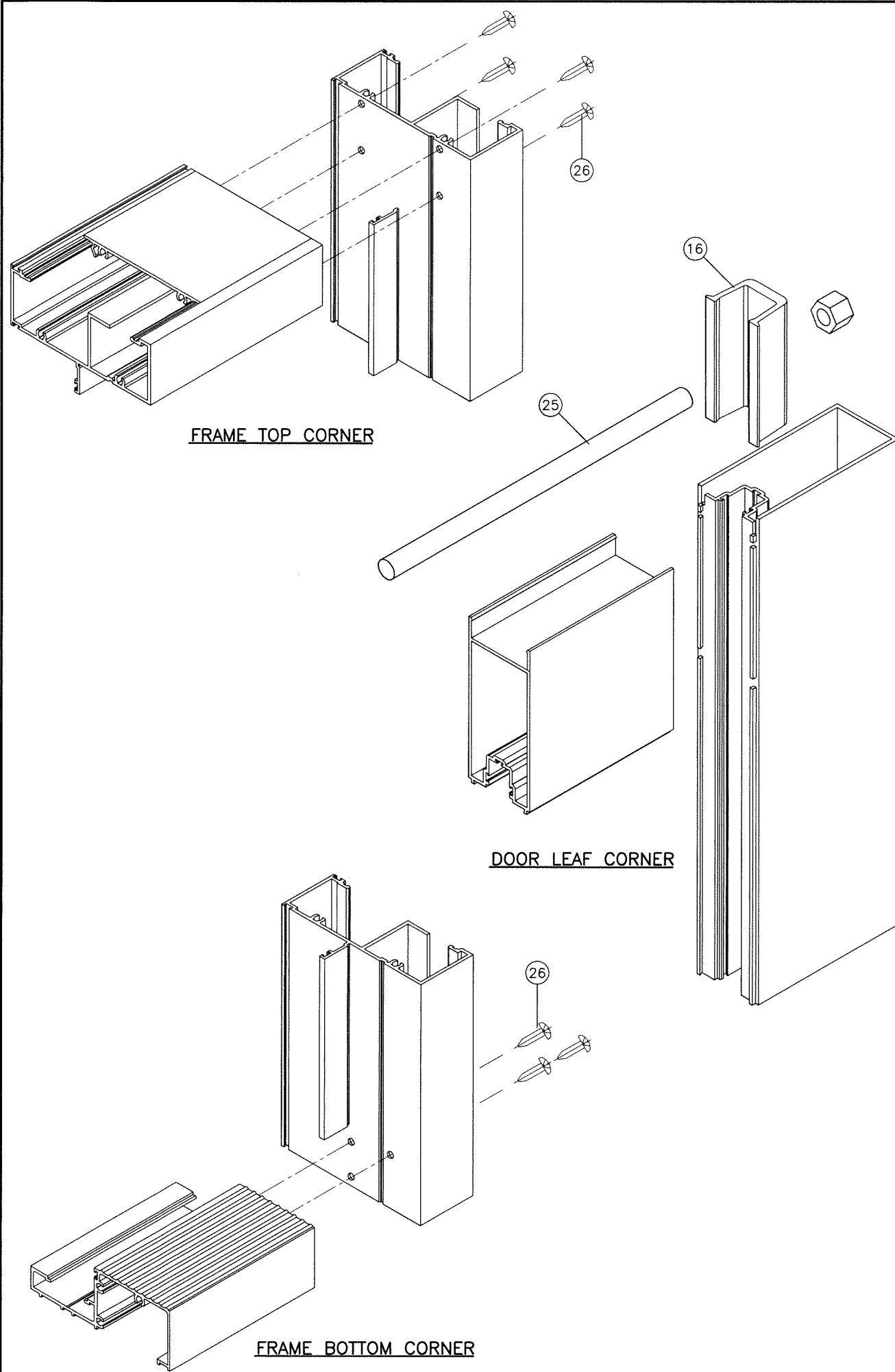
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**25-70F**  
sheet **9** of **11**

COMP-ANL\25-70F-ES

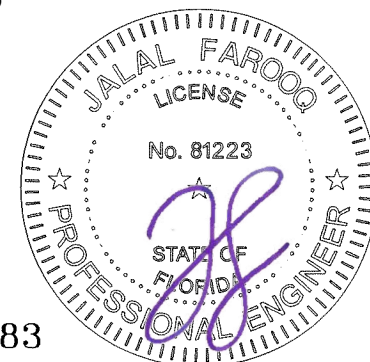




**SEALANTS:**

ALL FRAME AND LEAF JOINTS AND SEAMS SEALED WITH DOWSIL 791 SEALANT.

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