

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

Coastline Outswing French Door/Entry Door IZ4 (11')

APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF DOORS WITH OR WITHOUT SIDELITES.
 SIDE LITES CAN BE ON ONE OR BOTH SIDES OF DOOR.
 SEE SHEETS 2 & 3 FOR SINGLE OR DOUBLE DOORS DESIGN LOAD CAPACITIES.
 SEE SHEET 4 FOR SINGLE STATIONARY PANEL LOAD CAPACITIES.
 SEE SHEETS 5 & 6 FOR SIDELITE TO DOOR COMBINATIONS.
 THE LOWEST VALUE FROM DOOR OR SIDELITE CAPACITY CHARTS WILL APPLY TO ENTIRE SYSTEM.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.
 SEE SHEET 7 FOR LIMITATIONS.

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

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

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

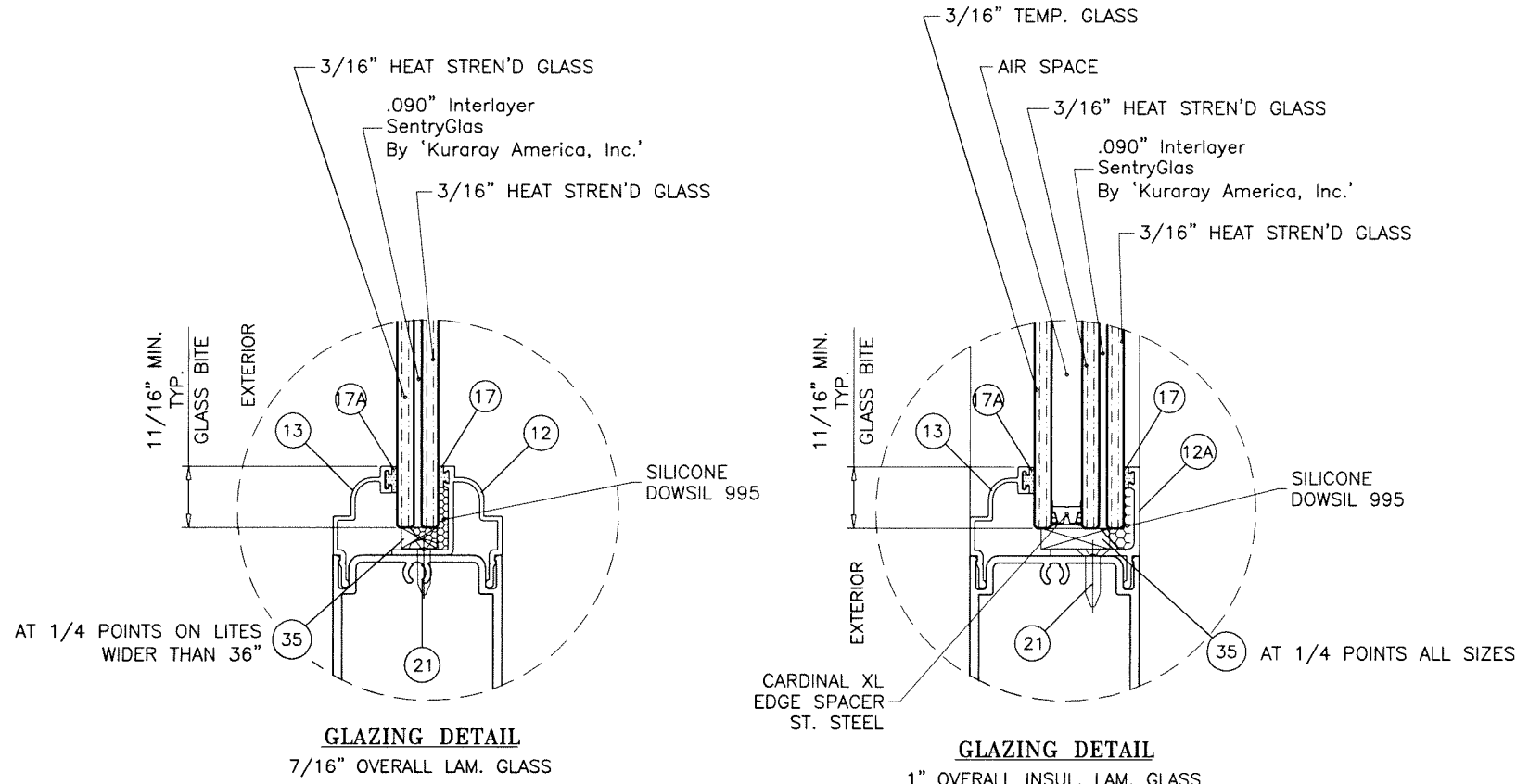
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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

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

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

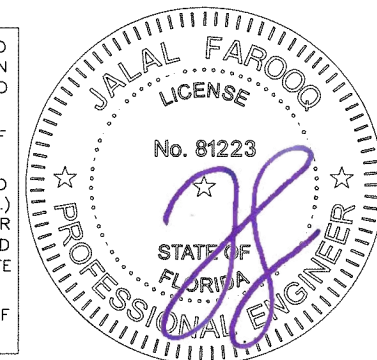
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.
 MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE.
 LABELING TO COMPLY WITH SECTION 1709.9.2.



Sealed: 7/25/2023

FL #34006

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.



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AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL \ W13-62SIW

Coastline Outswing French Door/Entry Door IZ4 (11')
MARVIN
 PO Box 100, 401 State Ave. N.
 Warrroad, MN. 56763
 Tel. (218) 386-1430 Ext. 2143

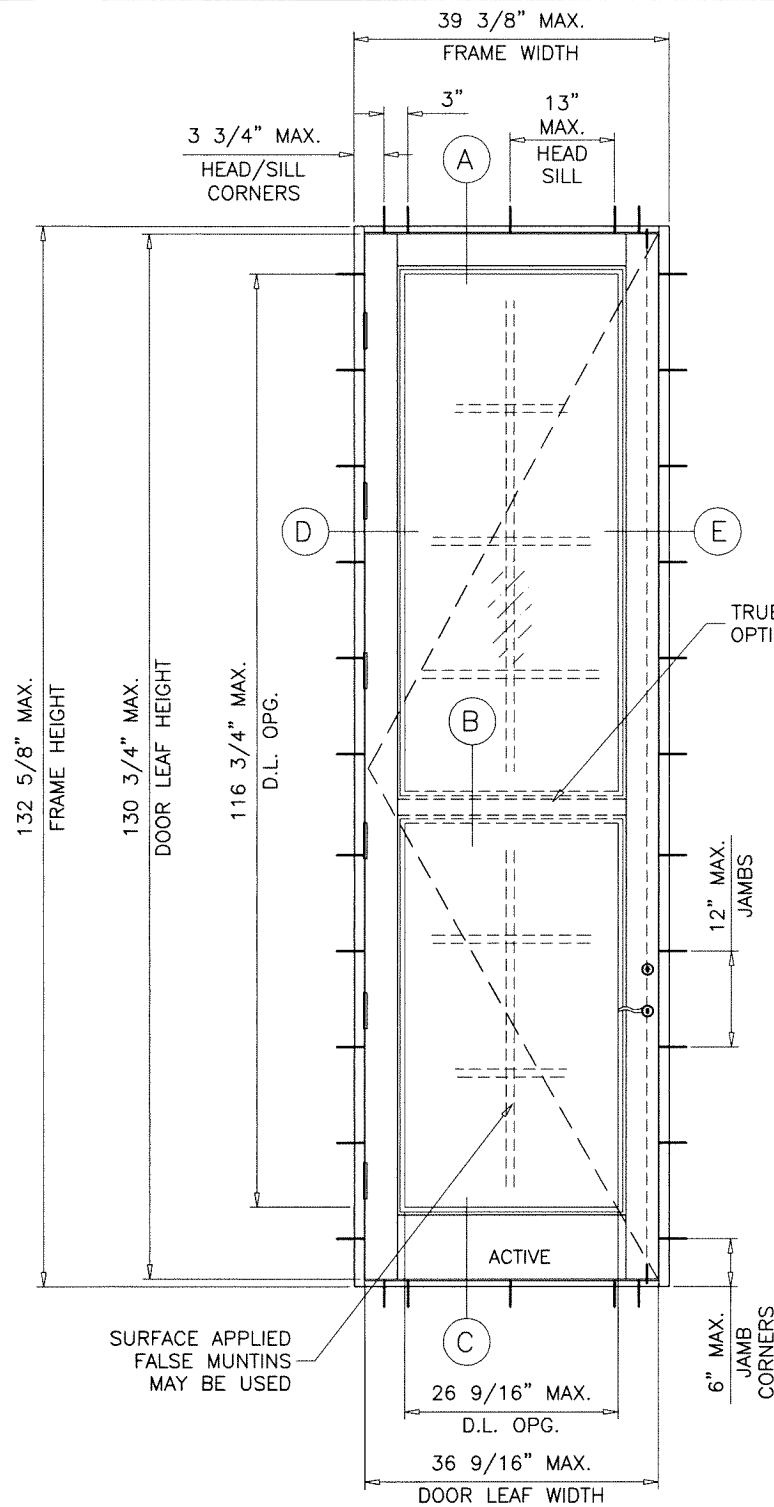
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| A | 12.10.18 | COMPANY NAME | REV. |
| B | 08.31.20 | | UPDATED TO 2020 FBC |
| C | 07.25.23 | | UPDATED TO 2023 FBC |

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 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
W17-107

sheet 1 of 14

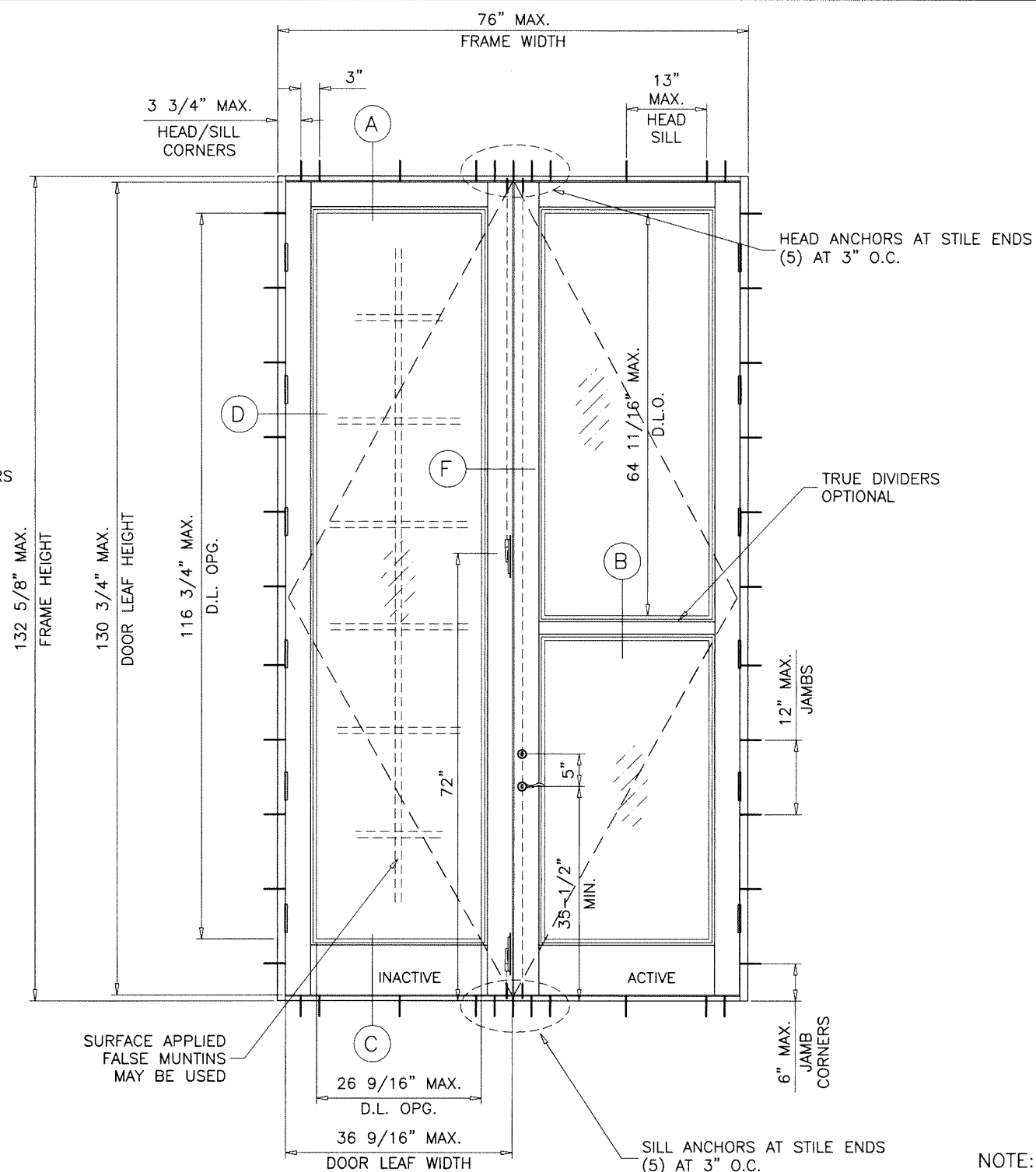


TYPICAL ELEVATION

(X)

| DOORS LOAD CAPACITY - PSF SINGLE DOORS (X) | | | |
|--|--------------|----------------|---------|
| DOOR DIMS. | | STD. THRESHOLD | |
| FRAME WIDTH | FRAME HEIGHT | EXT.(+) | INT.(-) |
| 39-3/8" | 132-5/8" | 50.0 | 50.0 |

NOTE:
VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.



TYPICAL ELEVATION

(XX)

| DOORS LOAD CAPACITY - PSF DOUBLE DOORS (XX) | | | |
|---|--------------|----------------|---------|
| DOOR DIMS. | | STD. THRESHOLD | |
| FRAME WIDTH | FRAME HEIGHT | EXT.(+) | INT.(-) |
| 76" | 132-5/8" | 50.0 | 50.0 |

DOOR D.L.O. DIMS.

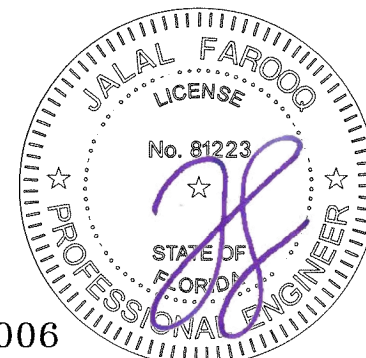
D.L.O. HEIGHT = FRAME HEIGHT - 15.875"
 D.L.O. WIDTH (X DOORS) = FRAME WIDTH - 12.625"
 D.L.O. WIDTH (XX DOORS) = (FRAME WIDTH - 22.875)/2

**DOORS WITH
STANDARD THRESHOLD**

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

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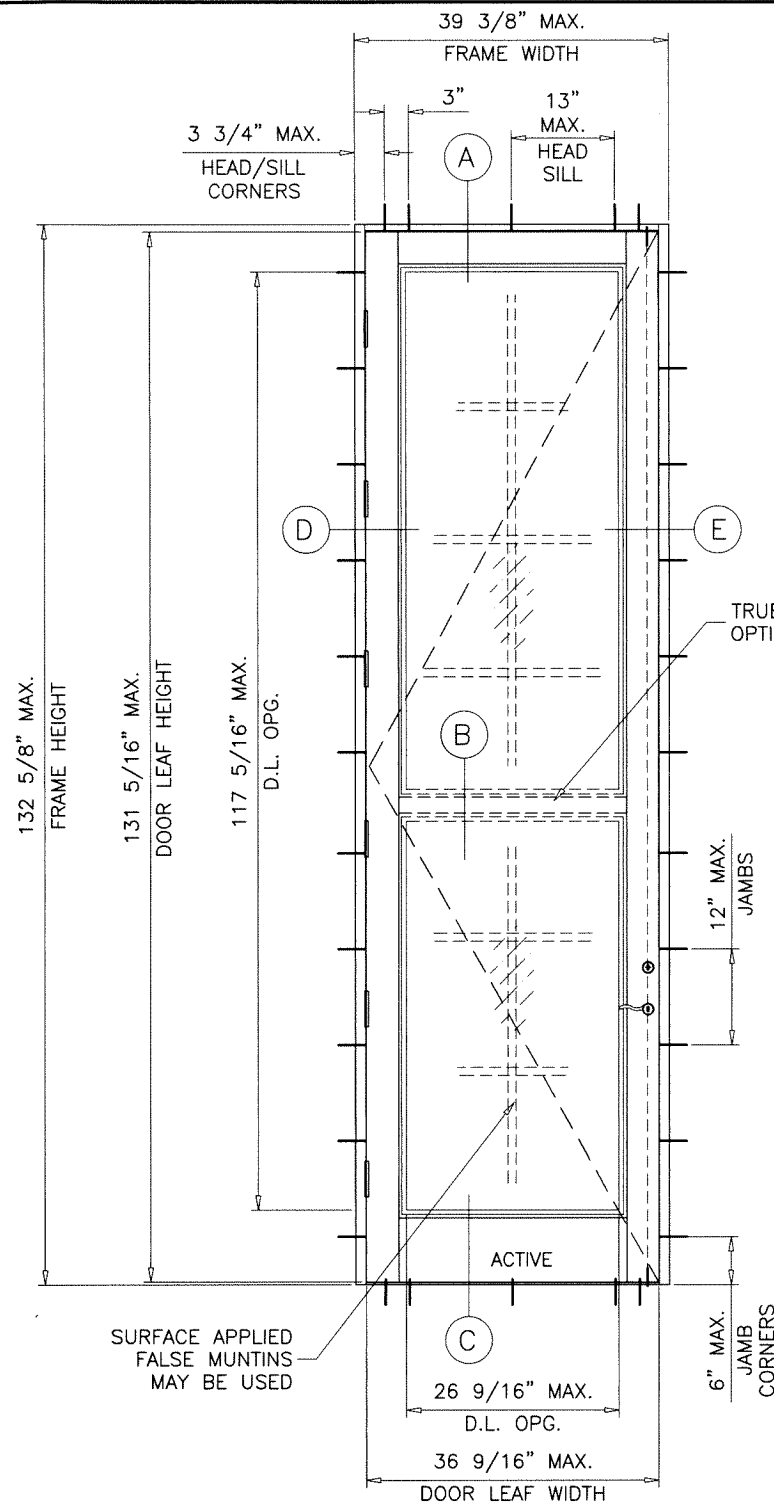
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 COMP-ANL W13-62SIW

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| dr. by: | TARIQ | chk. by: | |
| drawing no. | W17-107 | | |
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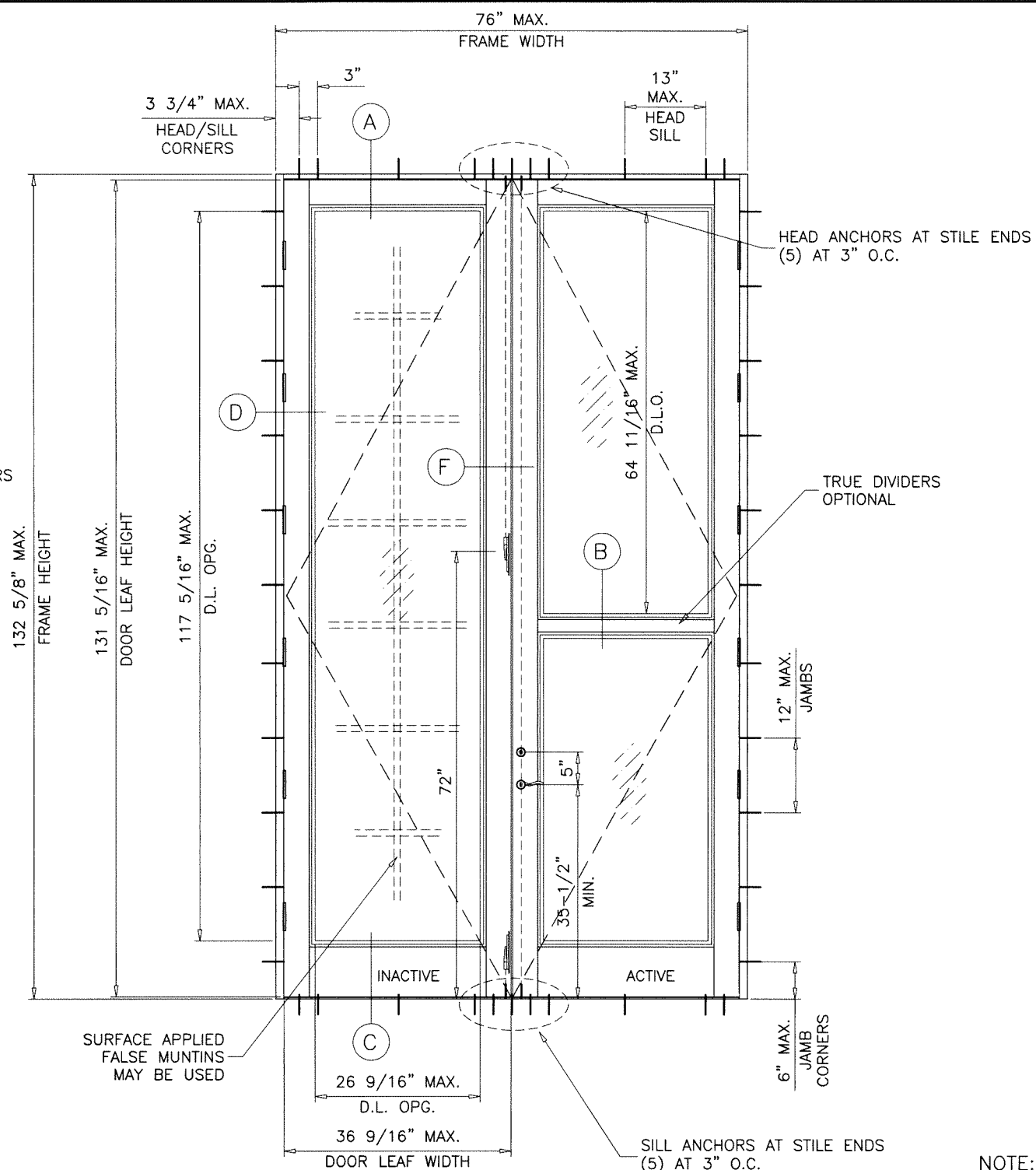


TYPICAL ELEVATION

(X)

| DOORS LOAD CAPACITY - PSF SINGLE DOORS (X) | | | |
|--|--------------|---------------|---------|
| DOOR DIMS. | | ADA THRESHOLD | |
| FRAME WIDTH | FRAME HEIGHT | EXT.(+) | INT.(-) |
| 39-3/8" | 132-5/8" | 50.0 | 50.0 |

NOTE:
VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.



TYPICAL ELEVATION

(XX)

| DOORS LOAD CAPACITY - PSF DOUBLE DOORS (XX) | | | |
|---|--------------|---------------|---------|
| DOOR DIMS. | | ADA THRESHOLD | |
| FRAME WIDTH | FRAME HEIGHT | EXT.(+) | INT.(-) |
| 76" | 132-5/8" | 50.0 | 50.0 |

DOUBLE (XX) DOORS NOT RATED FOR WATER RESISTANCE
SEE SHEET 7 FOR DETAILS

DOOR D.L.O. DIMS.

D.L.O. HEIGHT = FRAME HEIGHT - 15.313"
D.L.O. WIDTH (X DOORS) = FRAME WIDTH - 12.625"
D.L.O. WIDTH (XX DOORS) = (FRAME WIDTH - 22.875)/2

**DOORS WITH
ADA THRESHOLD**

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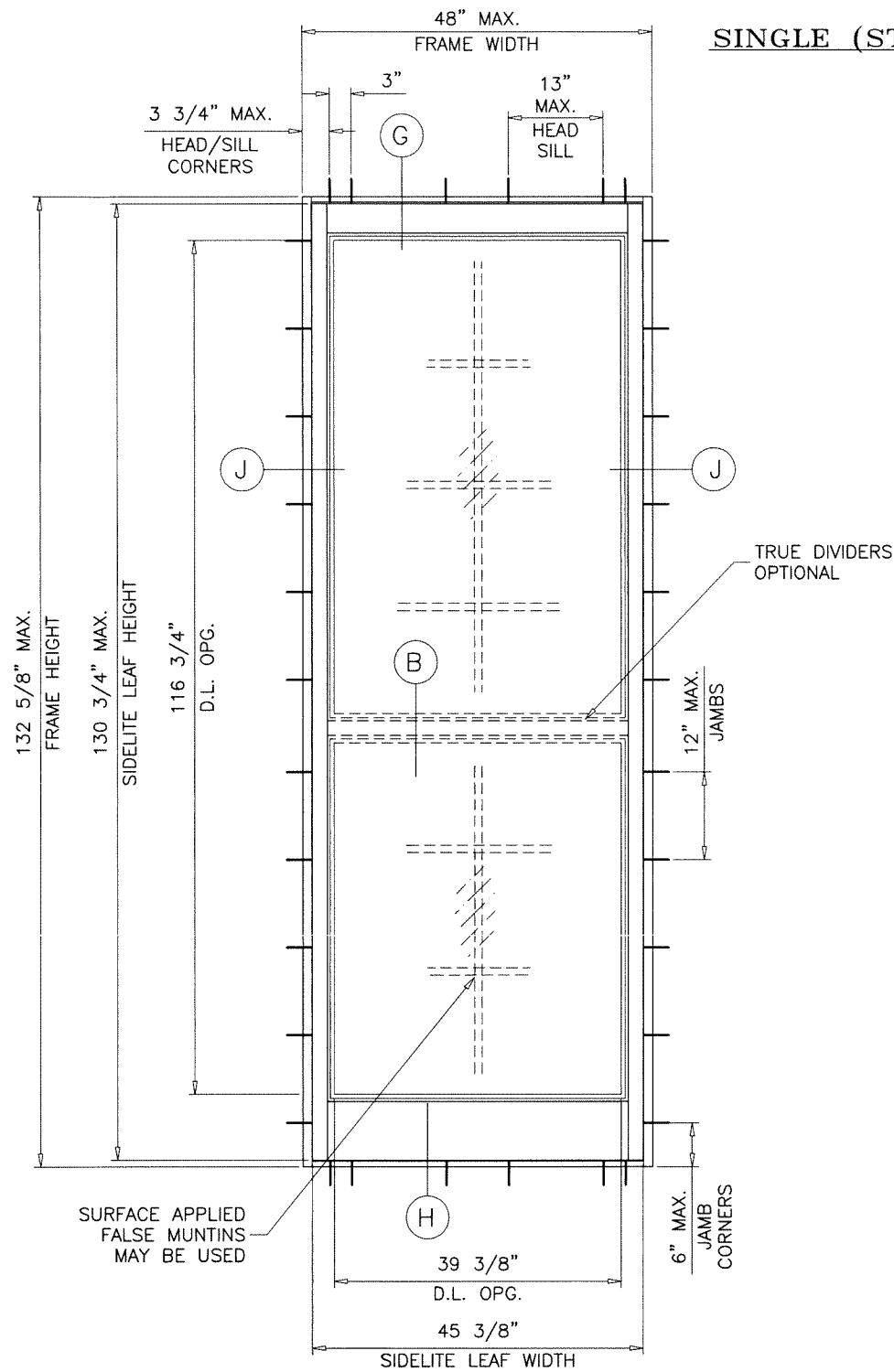
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SINGLE (STATIONARY) SIDELITE UNIT

(SEE DETAIL IN SHEET 9)



TYPICAL ELEVATION

(0)

| SIDELITE LOAD CAPACITY - PSF STATIONARY PANEL (0) | | | |
|--|--------------|----------------|---------|
| DOOR DIMS. | | STD. THRESHOLD | |
| FRAME WIDTH | FRAME HEIGHT | EXT.(+) | INT.(-) |
| 48" | 132-5/8" | 50.0 | 50.0 |

SIDELITE D.L.O. DIMS.

D.L.O. HEIGHT = FRAME HEIGHT - 13.875"
 D.L.O. WIDTH = FRAME WIDTH - 8.625 (NARROW STILE SIDELITE)
 D.L.O. WIDTH = FRAME WIDTH - 12.625 (WIDE STILE SIDELITE OPTIONAL)

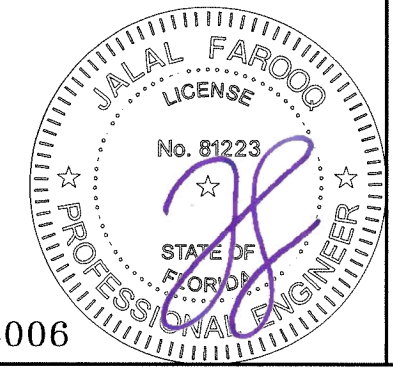
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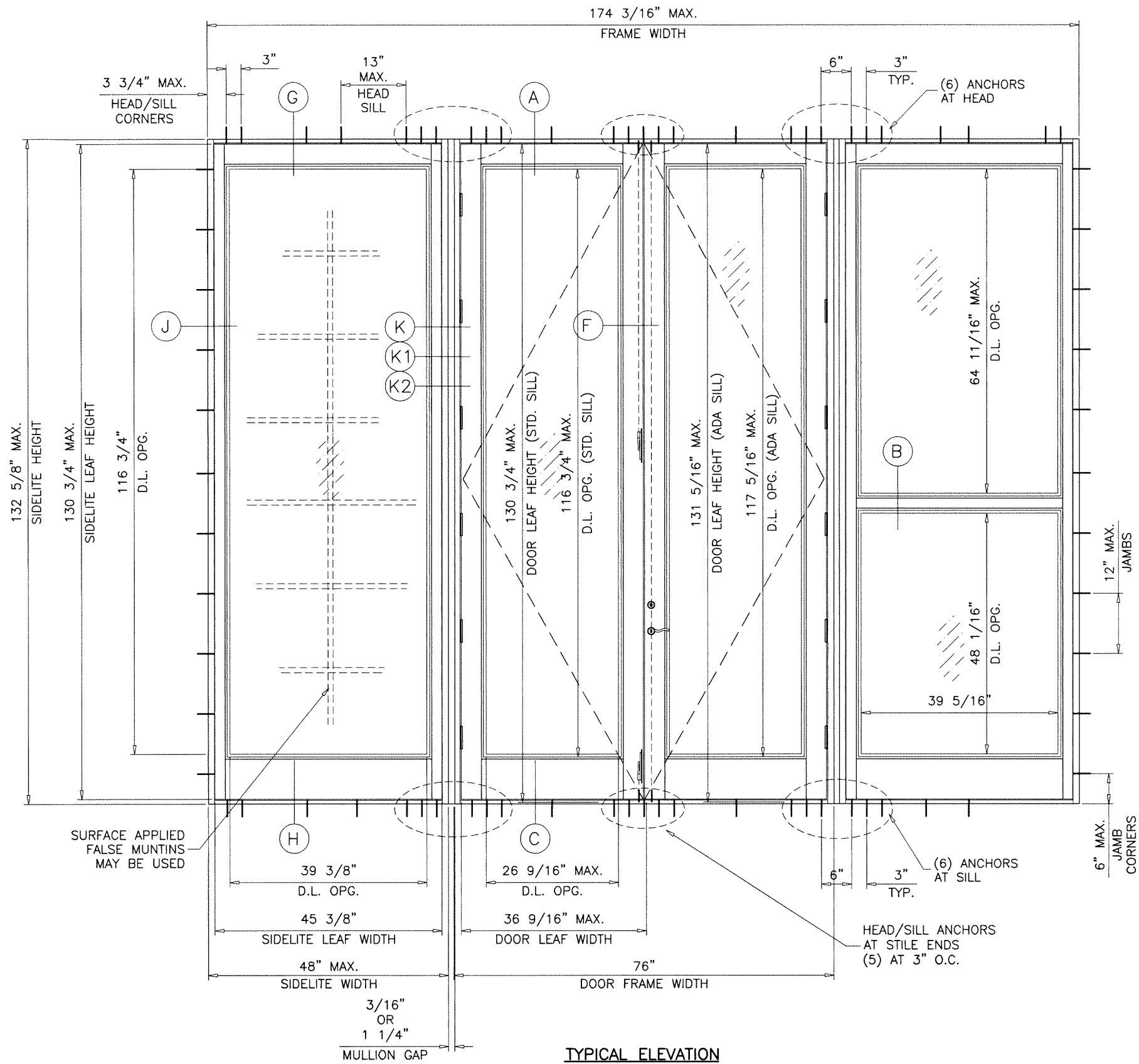
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TYPICAL ELEVATION
(OXXO)

| DOOR WITH SIDELITE LOAD CAPACITY - PSF | | | | | | | |
|--|-----------------------|----------------|--------------|----------------|---------|---------------|---------|
| DIMS. | | | | STD. THRESHOLD | | ADA THRESHOLD | |
| DOOR FRAME WIDTH (X) | DOOR FRAME WIDTH (XX) | SIDELITE WIDTH | FRAME HEIGHT | EXT.(+) | INT.(-) | EXT.(+) | INT.(-) |
| 39-3/8" | 76" | 48" | 132-5/8" | 50.0 | 50.0 | 50.0 | 50.0 |

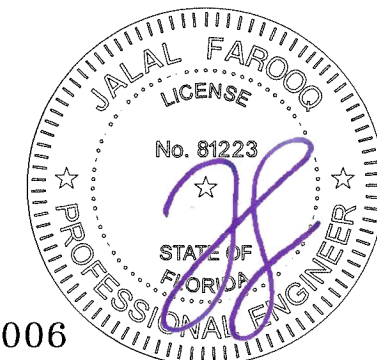
DOUBLE (XX) DOORS NOT RATED FOR WATER RESISTANCE
SEE SHEET 7 FOR DETAILS

D.L.O. DIMS.

SEE SHEETS 2 & 3 FOR DOOR DLO SIZES.
SEE SHEET 4 FOR SIDELITE DLO SIZES.

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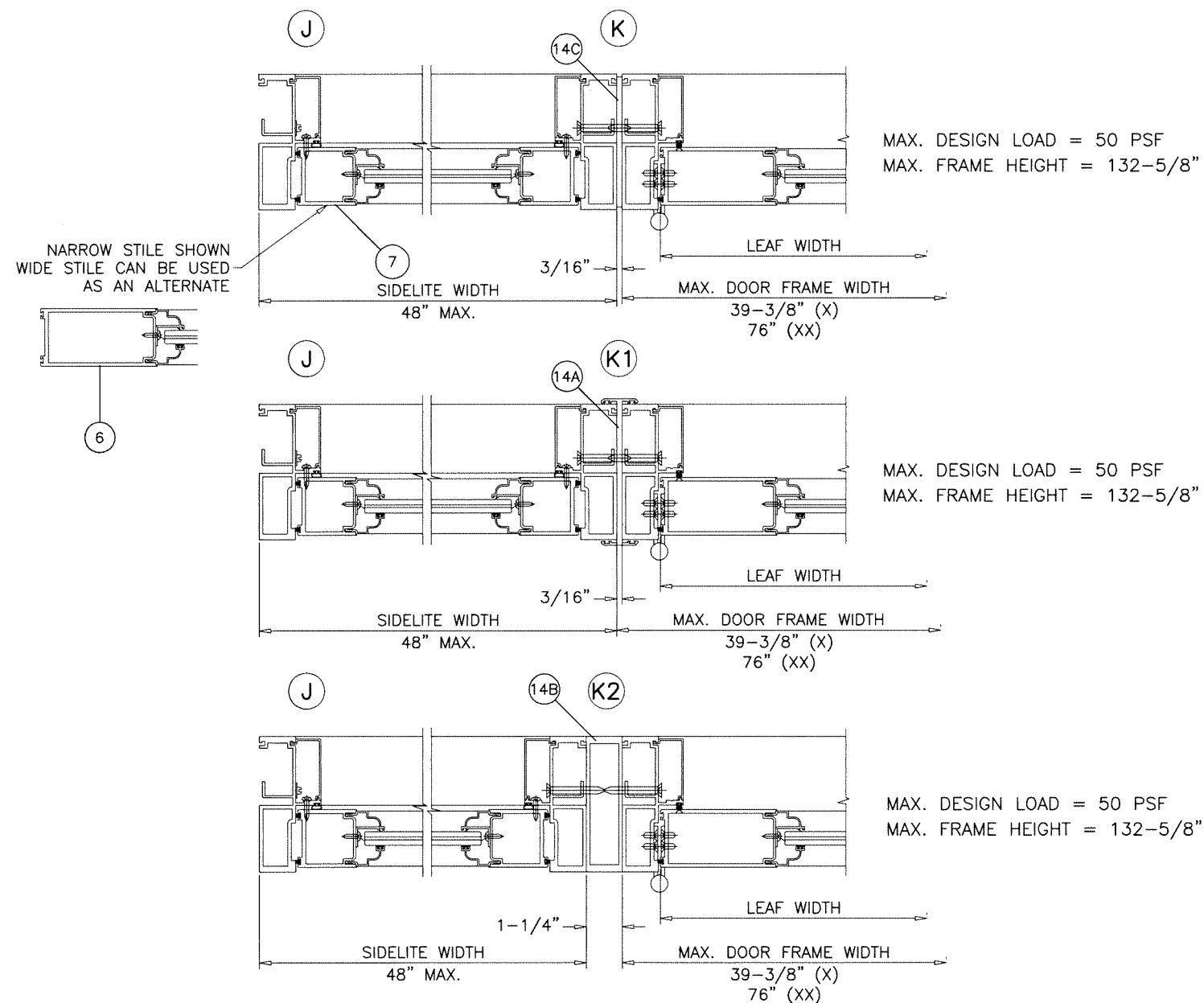
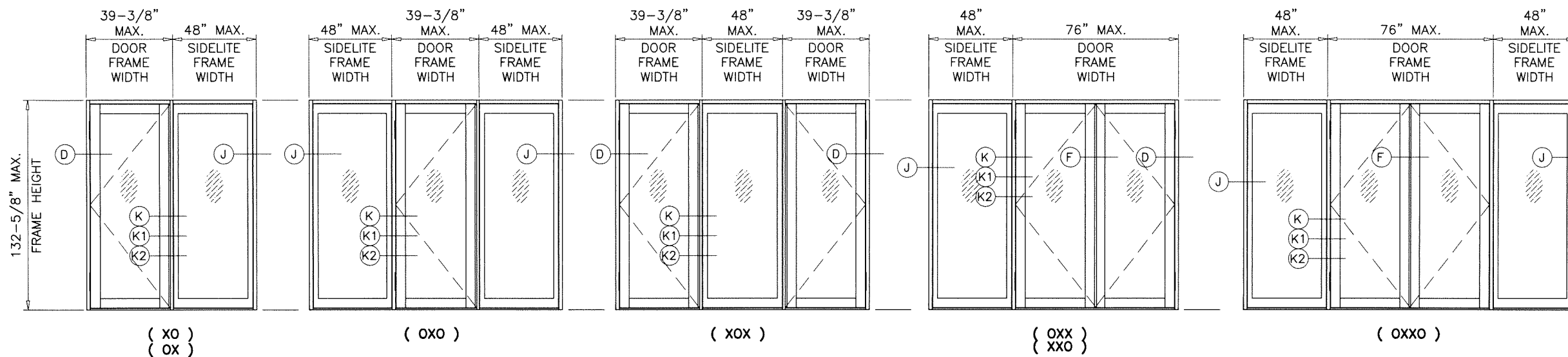
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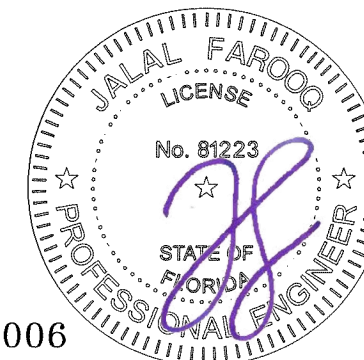
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SIDELITE TO DOOR APPROVED CONFIGURATIONS

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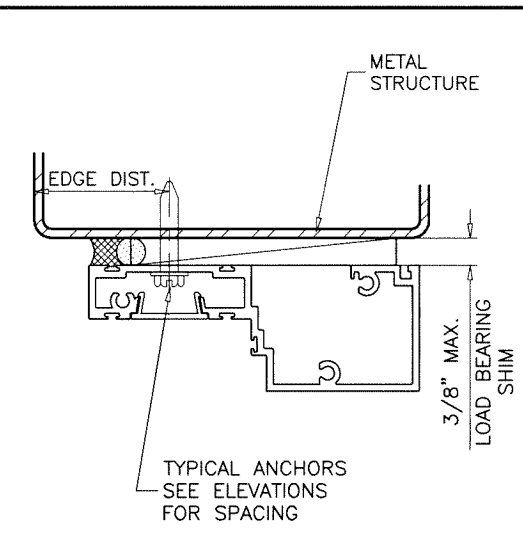
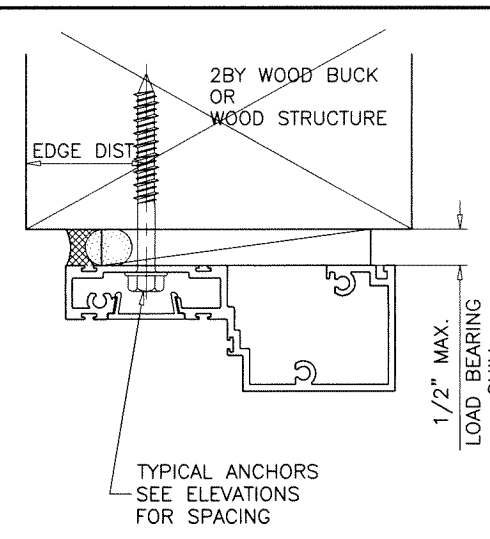
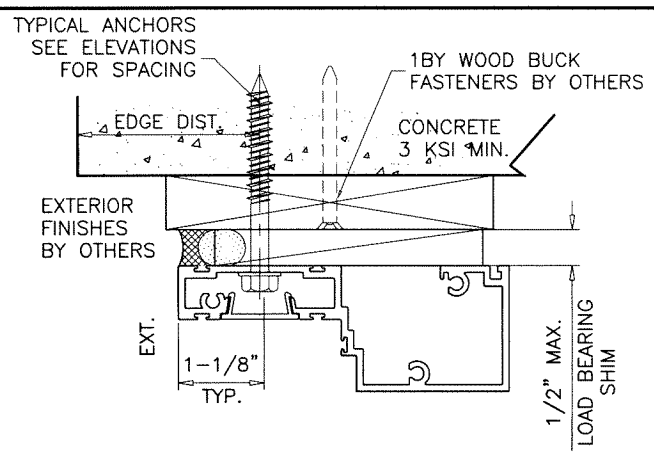
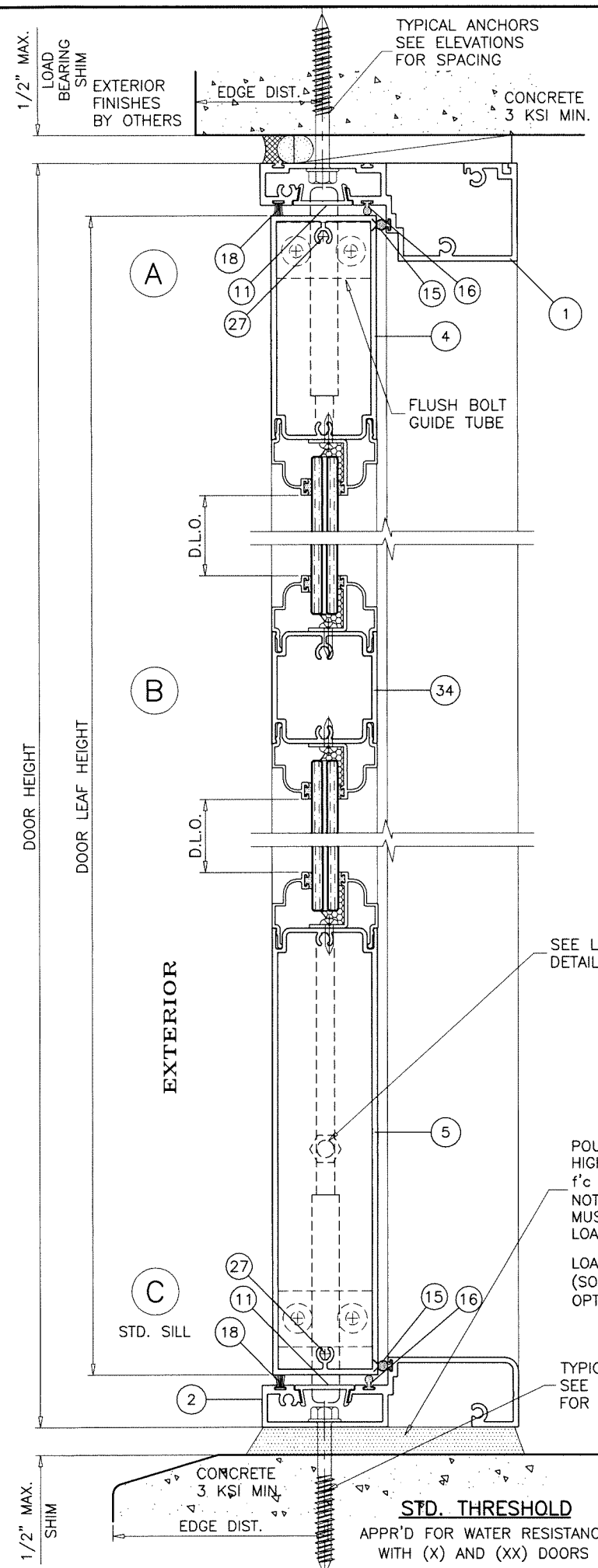
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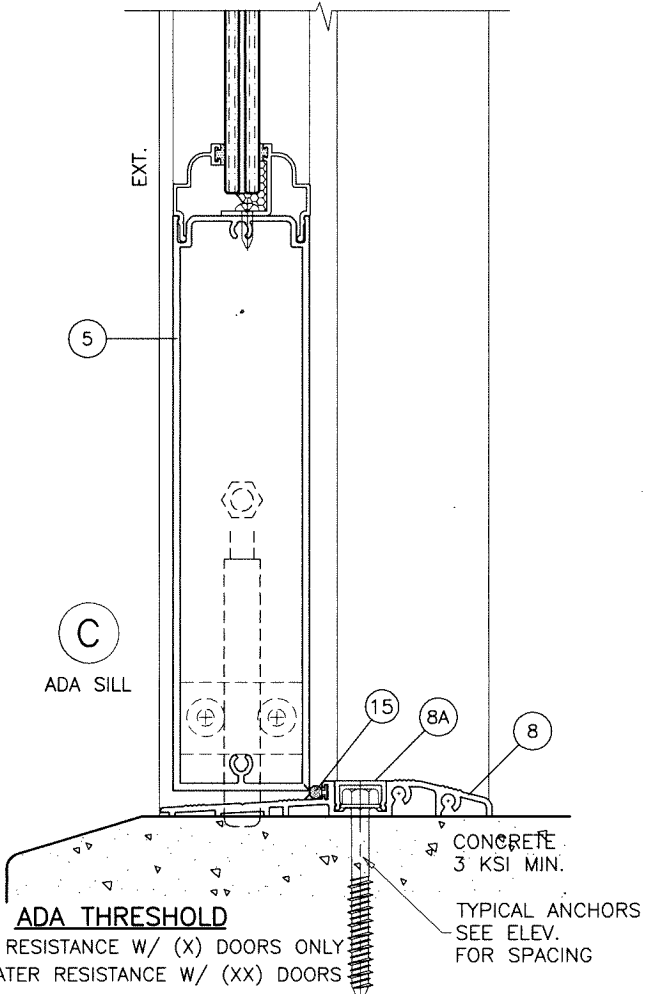
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WOOD BUCKS AND METAL STRUCTURE NOT BY 'MARVIN' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 MIN. LENGTH (HEAD/SILL) = 2-3/4"
 MIN. LENGTH (JAMBS) = 3-3/4"
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-3/4" MIN. EMBED INTO CONCRETE (HEAD)
 1-1/4" MIN. EMBED INTO CONC. OR BLOCKS (JAMBS)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)
 1-1/4" MIN. EMBED INTO CONC. OR BLOCKS (JAMBS)
1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES (HEAD/JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

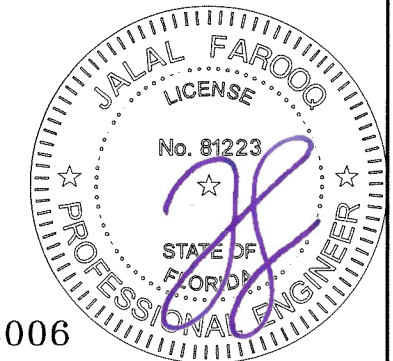
WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

ANCHORS MAY BE HEX OR FLAT HEAD.

DOOR DETAILS

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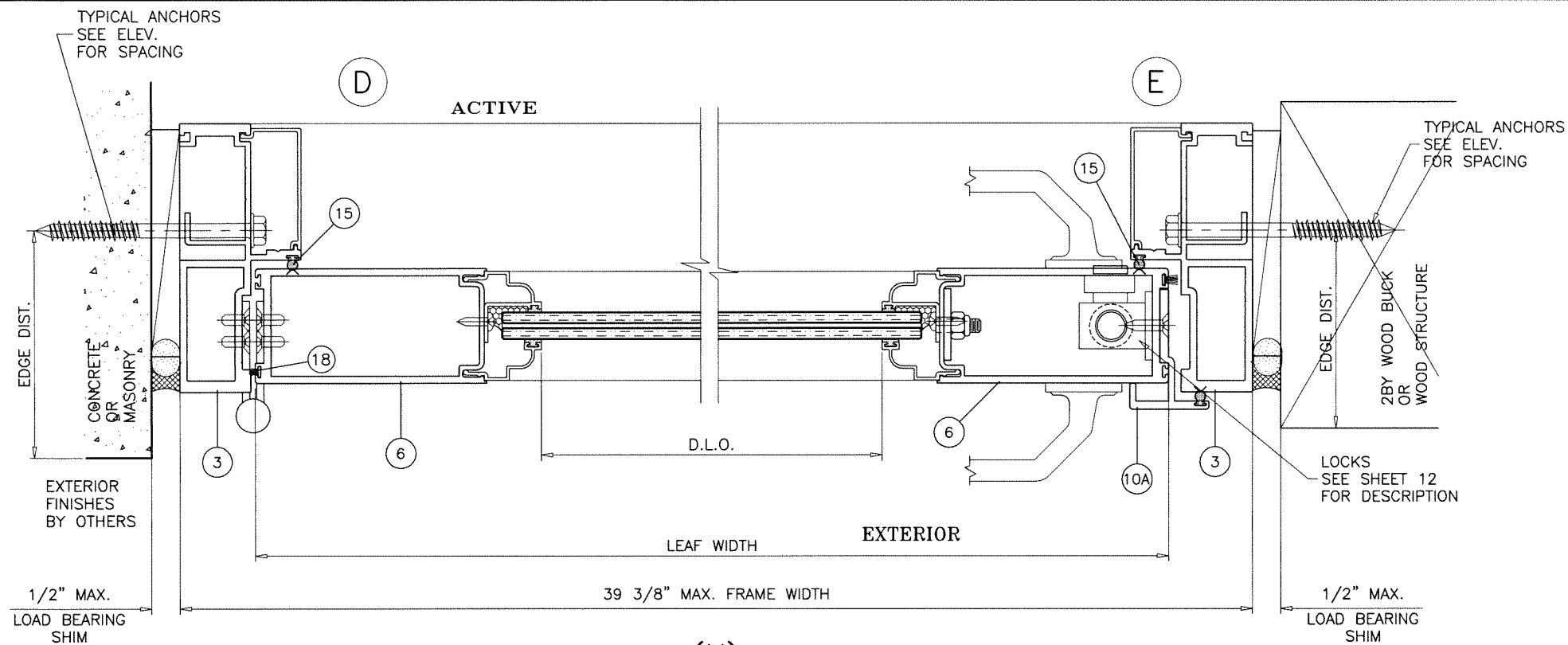
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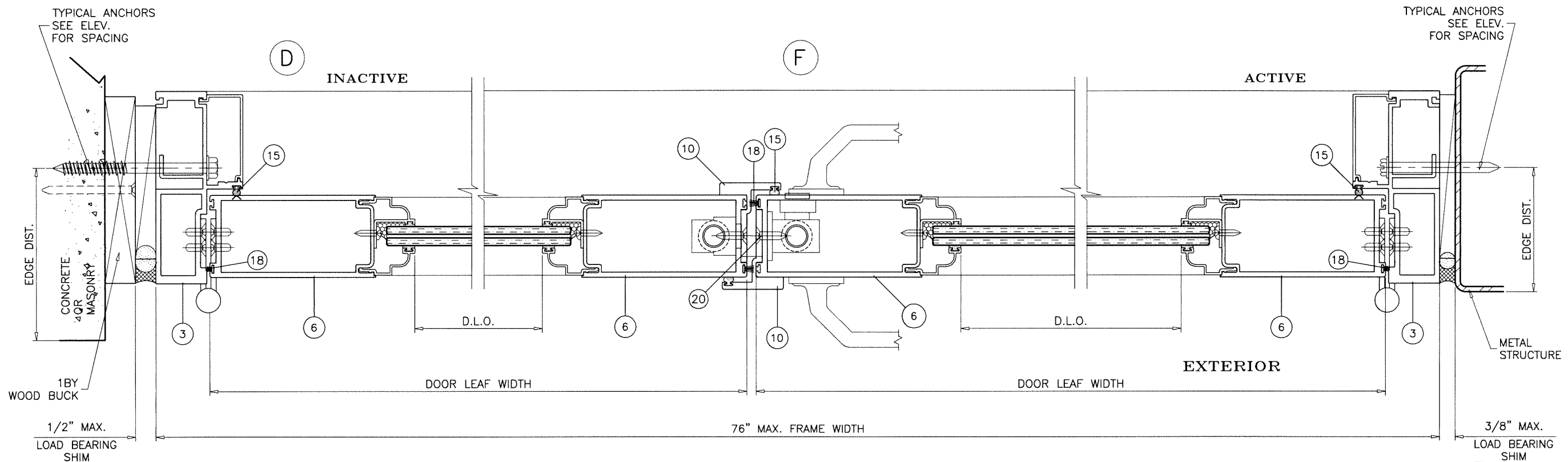
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DOOR DETAILS

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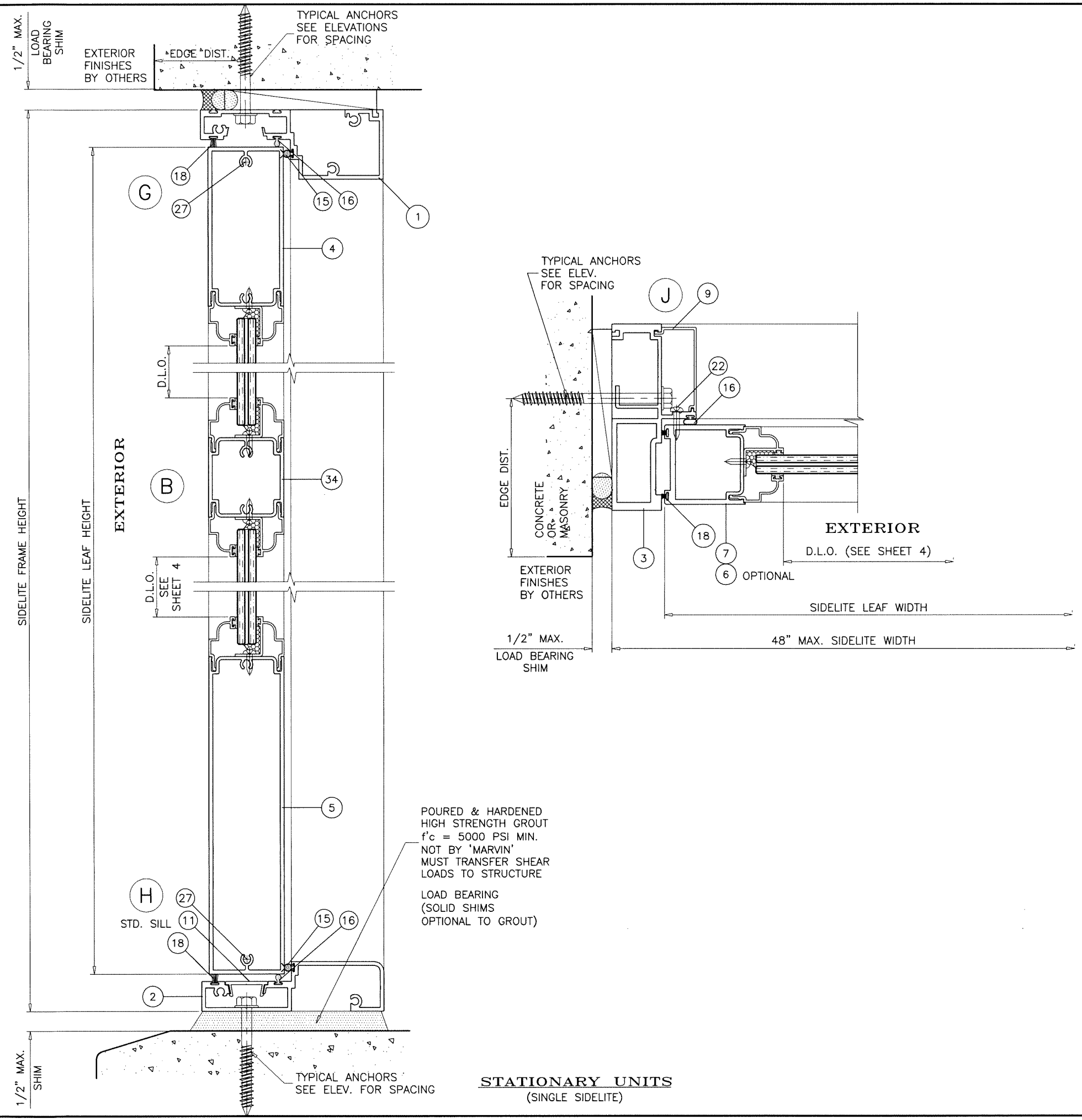
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STATIONARY UNITS
(SINGLE SIDELITE)

SIDELITE DETAILS

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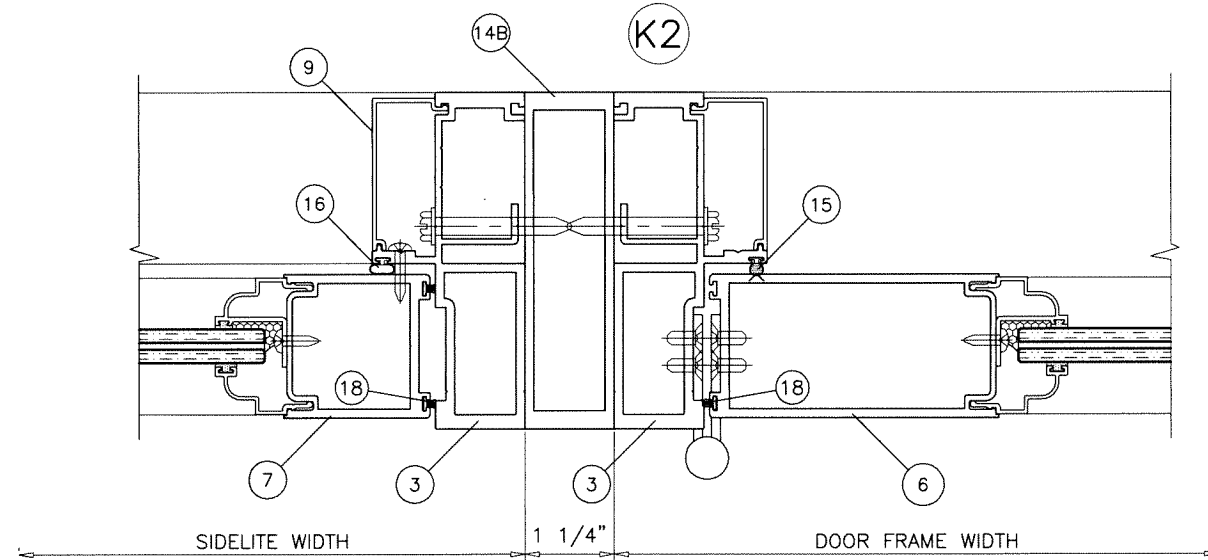
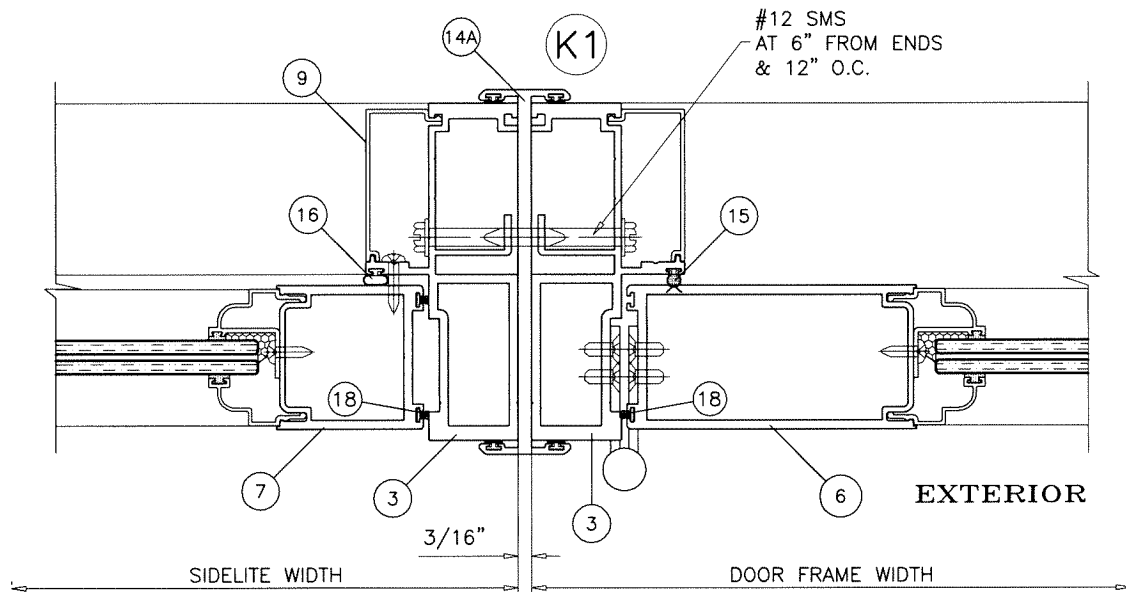
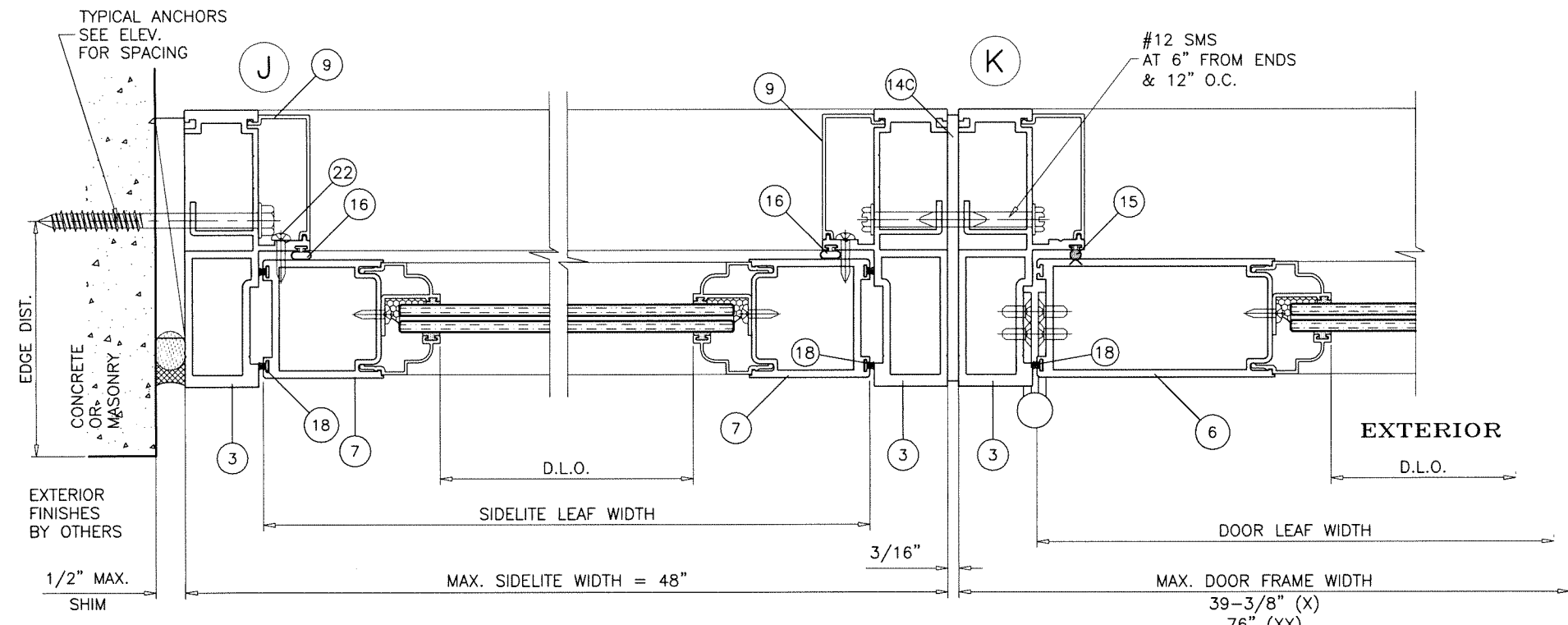
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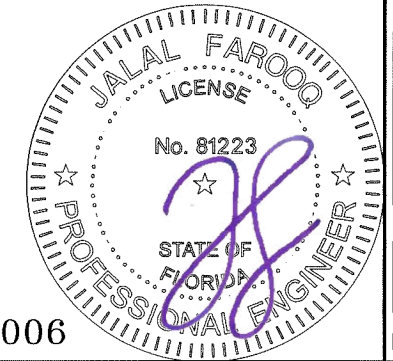
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MULLION DETAILS

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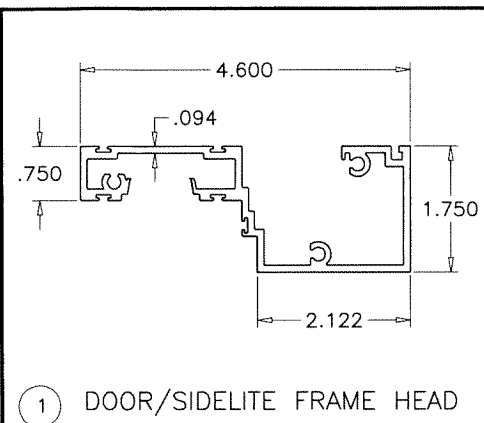
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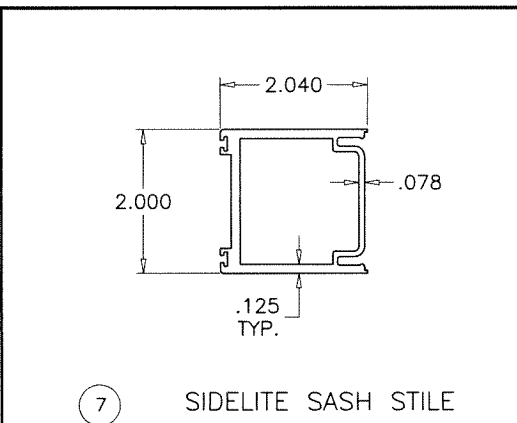
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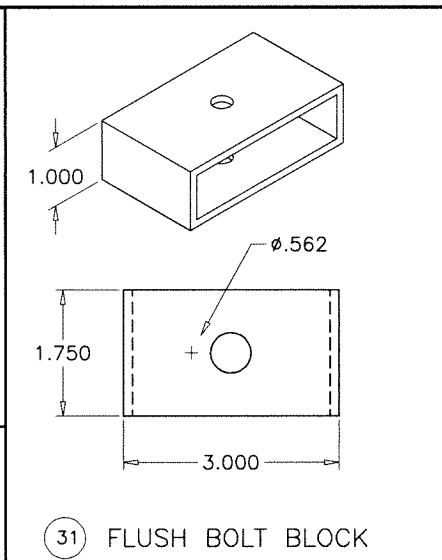
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 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W13-62SIW



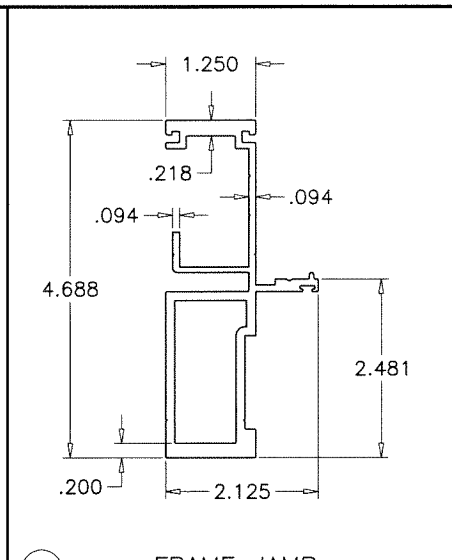
1 DOOR/SIDELITE FRAME HEAD



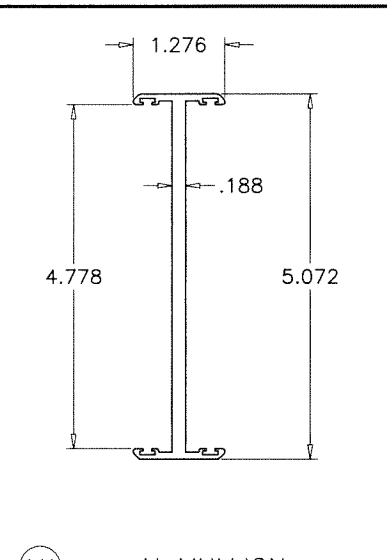
7 SIDELITE SASH STILE



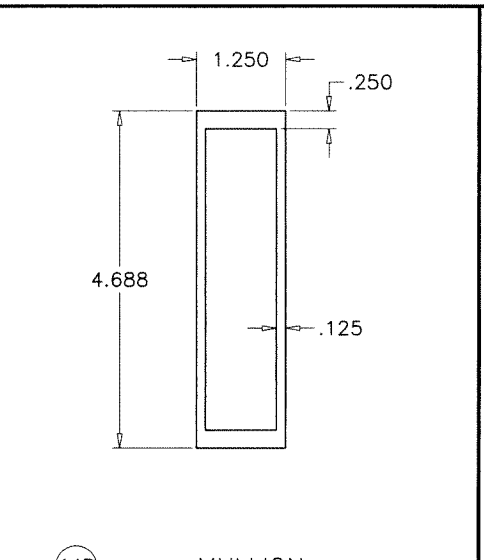
31 FLUSH BOLT BLOCK



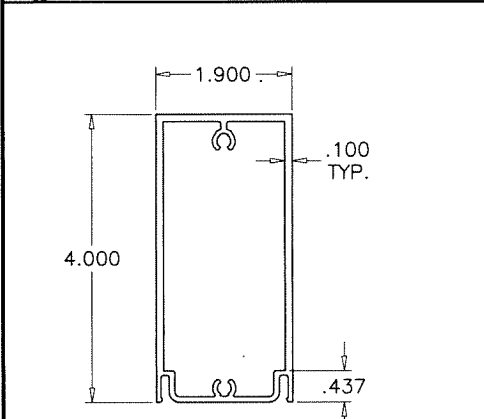
3 FRAME JAMB



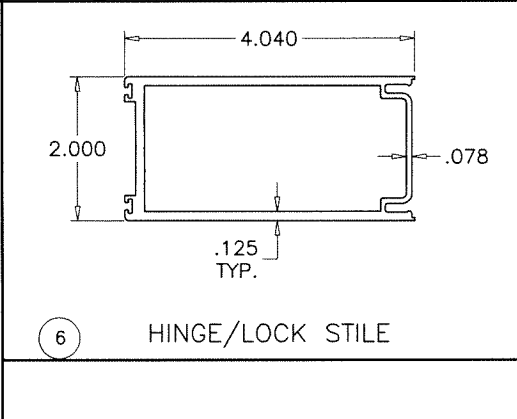
14A H MULLION



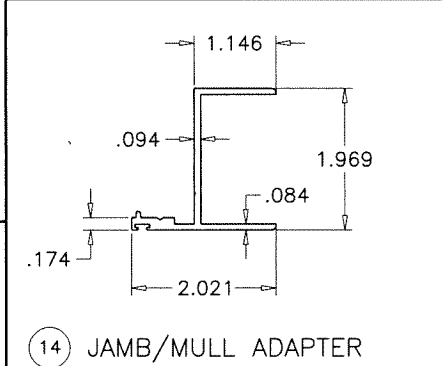
14B MULLION



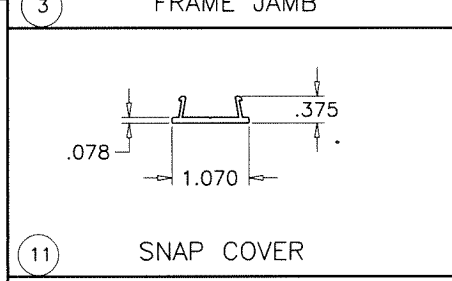
4 TOP RAIL



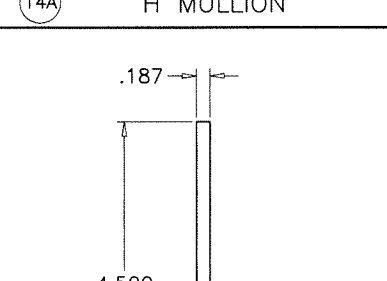
6 HINGE/LOCK STILE



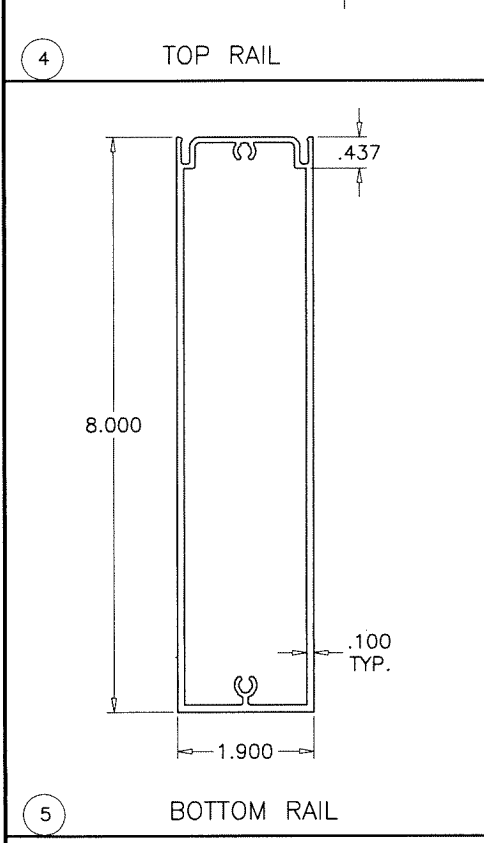
14 JAMB/MULL ADAPTER



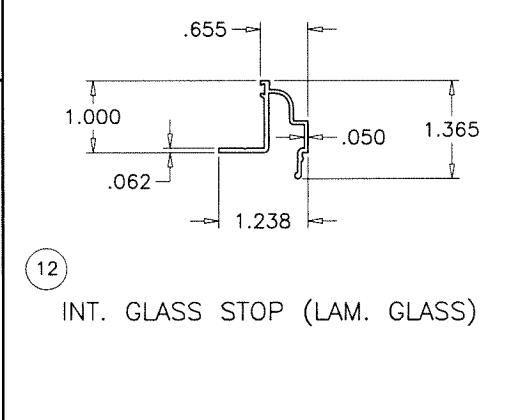
11 SNAP COVER



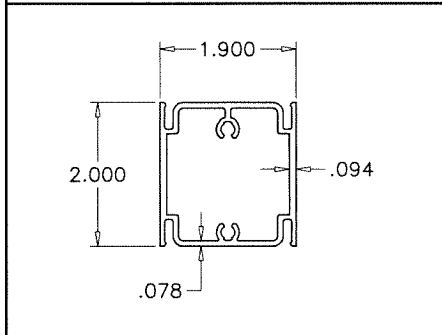
14C MULLION BAR



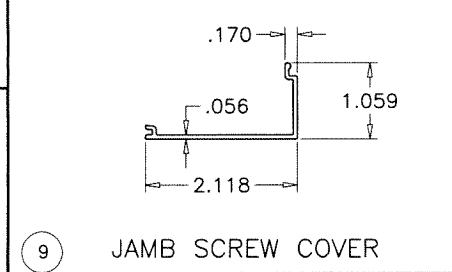
5 BOTTOM RAIL



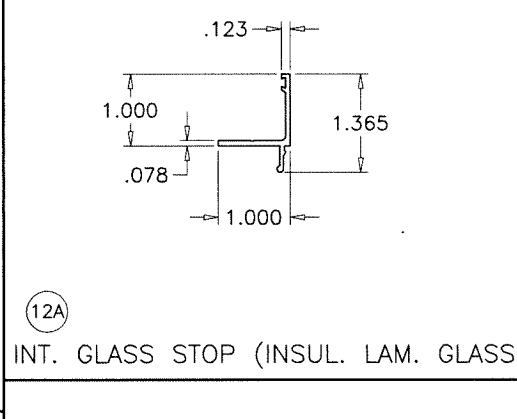
12 INT. GLASS STOP (LAM. GLASS)



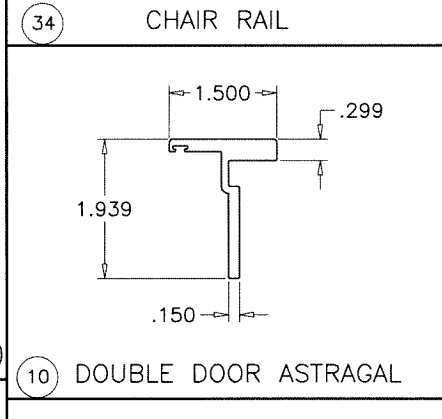
34 CHAIR RAIL



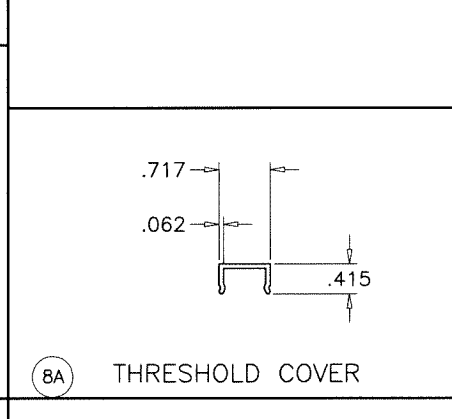
9 JAMB SCREW COVER



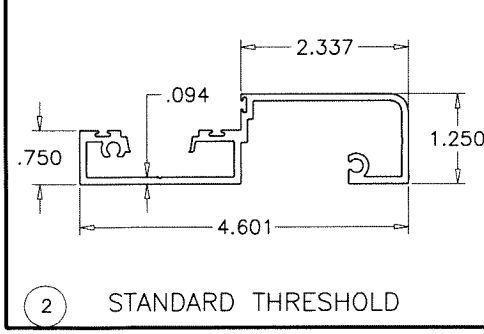
12A INT. GLASS STOP (INSUL. LAM. GLASS)



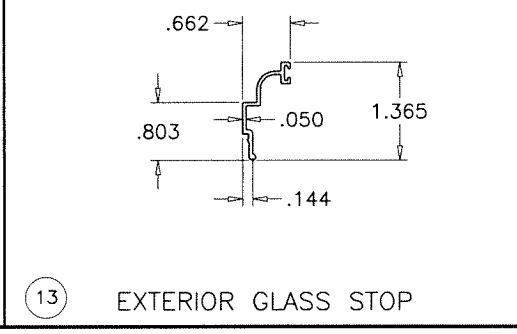
10 DOUBLE DOOR ASTRAGAL



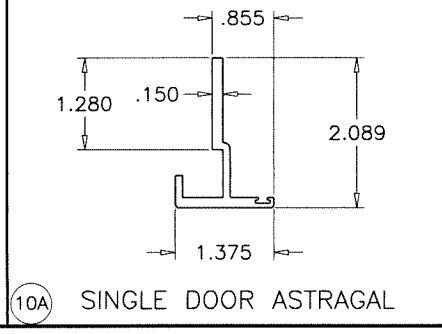
8A THRESHOLD COVER



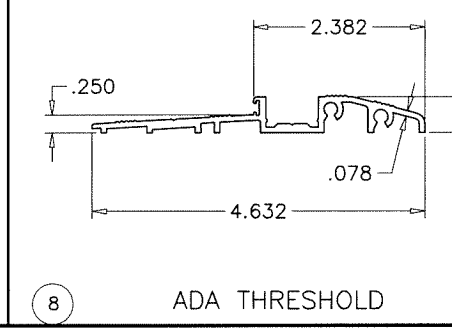
2 STANDARD THRESHOLD



13 EXTERIOR GLASS STOP



10A SINGLE DOOR ASTRAGAL



8 ADA THRESHOLD

af c
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 COMP-ANL W13-62SIW

Coastline Outswing French Door/Entry Door IZ4 (11')
MARVIN
 PO Box 100, 401 State Ave. N.
 Warroad, MN. 56763
 Tel. (218) 386-1430 Ext. 2143

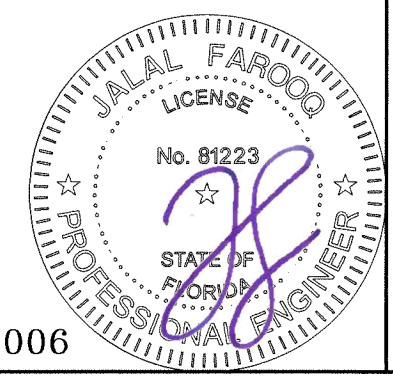
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drawing no.
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 sheet 11 of 14

Sealed: 7/25/2023

FL #34006



| ITEM # | PART # | REQD. | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|--------|--------------|-----------|--|------------|---------------------------------|
| 1 | SIW505 | 1 | DOOR/SIDELITE FRAME HEAD | 6063-T6 | - |
| 2 | SIW515 | 1 | STANDARD THRESHOLD | 6063-T6 | - |
| 3 | SIW506 | 2/DOOR | FRAME JAMB | 6063-T6 | - |
| 4 | SIW502 | 1/ LEAF | DOOR TOP RAIL | 6063-T6 | - |
| 5 | SIW536 | 1/ LEAF | DOOR BOTTOM RAIL | 6063-T6 | - |
| 6 | SIW503 | 2/ LEAF | HINGE STILE/LOCK STILE | 6063-T6 | - |
| 7 | SIW507 | 2/ LEAF | SIDELITE SASH STILE | 6063-T6 | - |
| 8 | SIW546 | 1 | ADA THRESHOLD | 6063-T6 | - |
| 8A | SIW547 | 1 | THRESHOLD COVER | 6063-T6 | - |
| 9 | SIW511 | AS REQD. | JAMB SCREW COVER | 6063-T6 | - |
| 10 | SIW509 | AS REQD. | DOUBLE DOOR ASTRAGAL | 6063-T6 | - |
| 10A | SIW535 | AS REQD. | SINGLE DOOR ASTRAGAL | 6063-T6 | - |
| 11 | SIW510 | AS REQD. | SCREW COVER | 6063-T5 | - |
| 12 | SIW512 | AS REQD. | INTERIOR GLASS STOP (LAM. GLASS) | 6063-T5 | - |
| 12A | SIW520 | AS REQD. | INTERIOR GLASS STOP (INSUL. LAM. GLASS) | 6063-T5 | - |
| 13 | SIW513 | AS REQD. | EXTERIOR GLASS STOP | 6063-T6 | - |
| 14 | SIW504 | AS REQD. | DOOR JAMB/MULL ADAPTER | 6063-T6 | - |
| 14A | SIW543 | AS REQD. | H MULLION | 6063-T6 | - |
| 14B | SIW914 | AS REQD. | MULLION TUBE | 6063-T6 | - |
| 14C | - | AS REQD. | MULLION BAR | 6063-T6 | - |
| 15 | 9016E | - | BULB W'STRIPPING | VINYL | CENTRAL PLSTICS |
| 16 | U4513 | - | Q-LON W'STRIPPING | VINYL | SCHLEGEL |
| 17 | 5530 | AS REQD. | INTERIOR GLAZING GASKET (DUROMETER 70±5) | TPE | ULTRAFAB |
| 17A | 5531 | AS REQD. | EXTERIOR GLAZING GASKET (DUROMETER 70±5) | SANTOPRENE | CENTRAL PLASTICS |
| 18 | W23201NW0020 | AS RQD. | FINSEAL PILE W'STRIPPING | - | ULTRAFAB |
| 20 | #8 X 1/2" | - | ASTRAGAL SCREWS PH SMS | - | AT 4" FROM ENDS & 8" O.C. |
| 21 | #8 X 1/2" | AS REQD. | GLASS STOP SCREWS SELF DRILLING | - | AT 8" FROM ENDS & 15" O.C. MAX. |
| 22 | #12 X 1-1/4" | - | FIX. PANEL SCREWS PH SMS | - | AT 6" FROM ENDS & 17" O.C. MAX. |
| 24 | SD44HD | 4/LEAF | BUTT HINGES | - | STAINLESS STEEL |
| 27 | #12 X 2" | 1/ CORNER | FRAME AND LEAF ASSEMBLY SCREWS | ST. STEEL | PH SMS |
| 28 | #12 X 1/2" | AS REQD. | HINGE ASSEMBLY SCREWS | ST. STEEL | FH MS TYPE F SS |
| 31 | SIW 521 | - | FLUSH BOLT BLOCK | 6063-T6 | - |
| 32 | #2 | - | FLUSH BOLTS | - | SULLIVAN & ASSOC. |
| 33 | W5110-STATC6 | - | SENTINEL MULTIPOINT LOCK | - | ASHLAND HARDWARE |
| 34 | SIW539 | - | 2" CHAIR RAIL | 6063-T6 | - |
| 35 | - | 2/ LITE | SETTING BLOCK | EPDM | DUROMETER 85±5 SHORE A |

LOCK OPTIONS:

STD. LOCKS:

ACTIVE LEAF:

OPTION #1:

SENTINEL MULTIPOINT LOCK BY 'ASHLAND' WITH THROW BOLT AT 35-1/2" FROM BOTTOM FLUSH BOLTS CONNECTED TO LOCK KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR AND ENGAGING FRAME AT HEAD AND SILL

OPTION #2:

3 POINT LOCK ASSEMBLY (M1805S) BY 'ADAMS RITE' WITH 4015 THROW BOLT AT 36" FROM BOTTOM FLUSH BOLTS CONNECTED TO LOCK KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR AND ENGAGING FRAME AT HEAD AND SILL

INACTIVE LEAF

CONCEALED FLUSH BOLTS (FB-1202-914) BY 'SULLIVAN & ASSOC.' MANUALLY OPERATED LEVERS MOUNTED ON EDGE OF LEAF STILE LOCATED AT 13-1/2" FROM BOTTOM AND 34" FROM TOP

HINGES:

4" X 4" ST. STEEL BUTT HINGES (DSB4NB OR S44HD) AT 13" FROM TOP AND BOTTOM ENDS AND 21-1/2" O.C. MAX. HINGE ATTACHED TO DOOR FRAME AND DOOR STILE USING (4) #12 X 1/2" FH MS 6 HINGES PER LEAF

SEALANTS:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SMALL JOINT SEALER.

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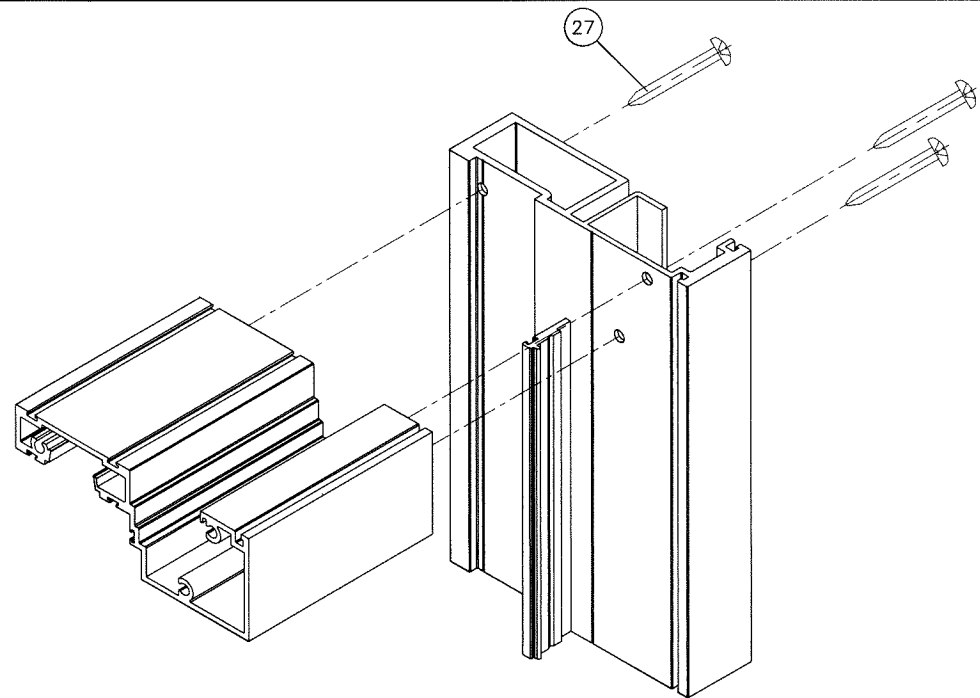
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chk. by:

drawing no.

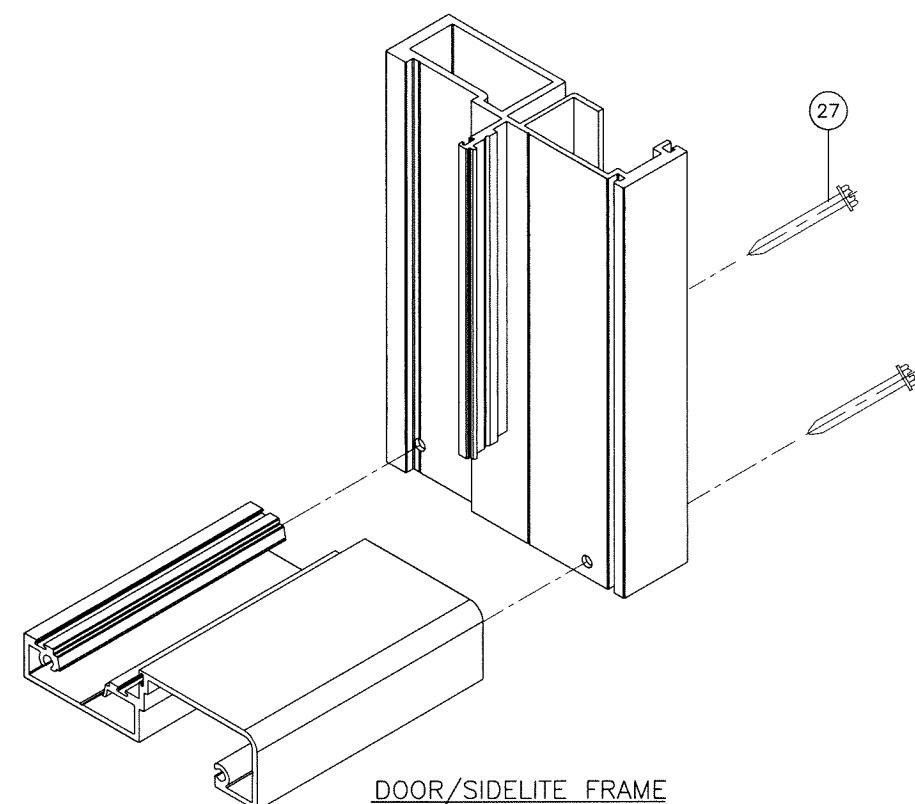
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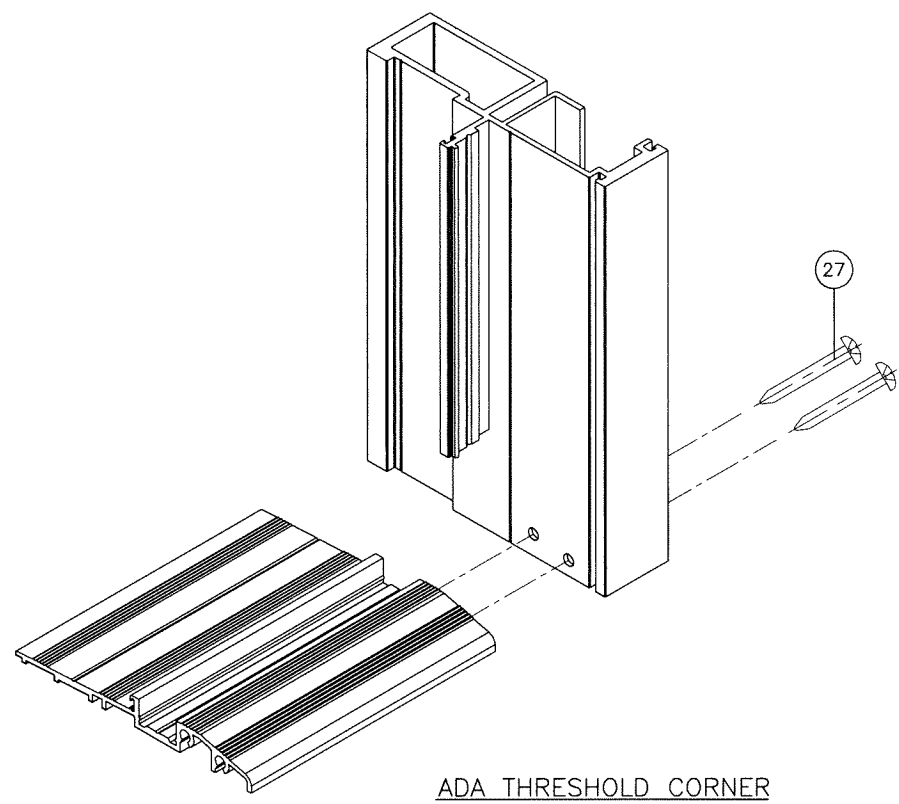
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DOOR/SIDELITE FRAME
TOP CORNER



DOOR/SIDELITE FRAME
BOTTOM CORNER



ADA THRESHOLD CORNER

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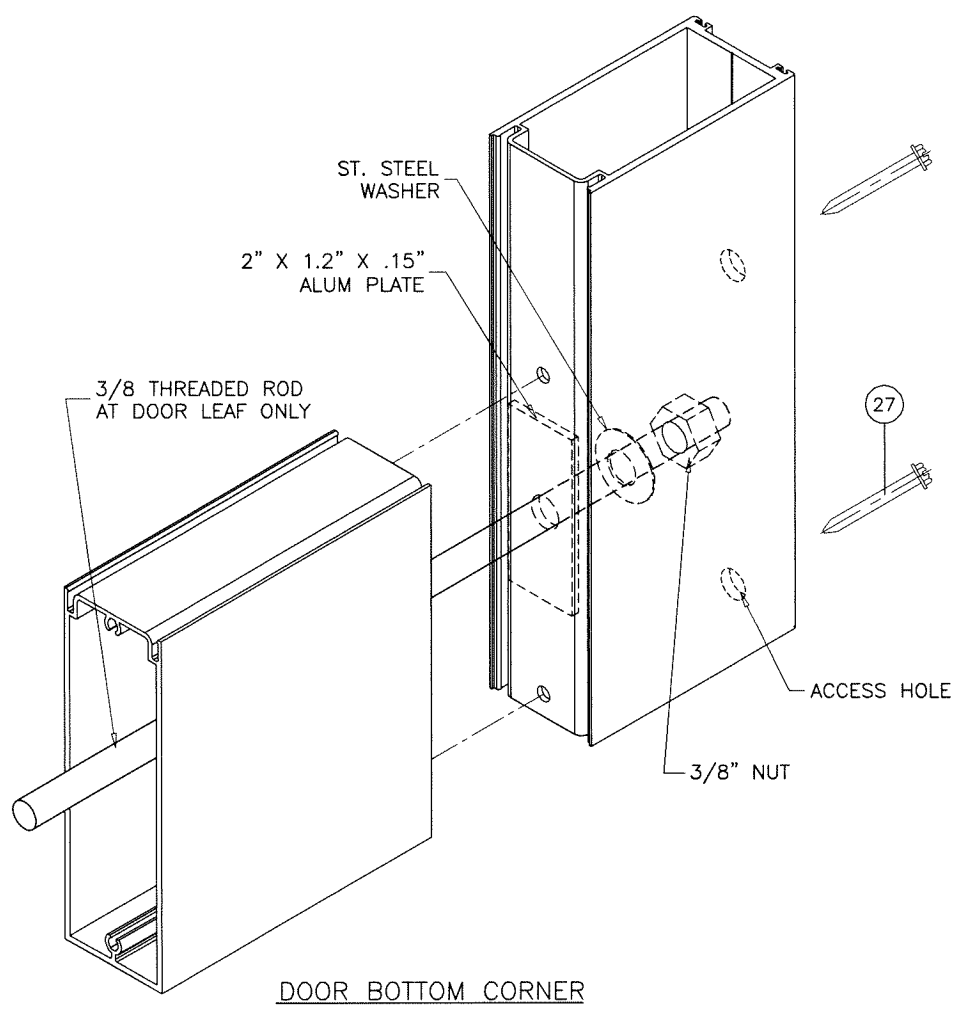
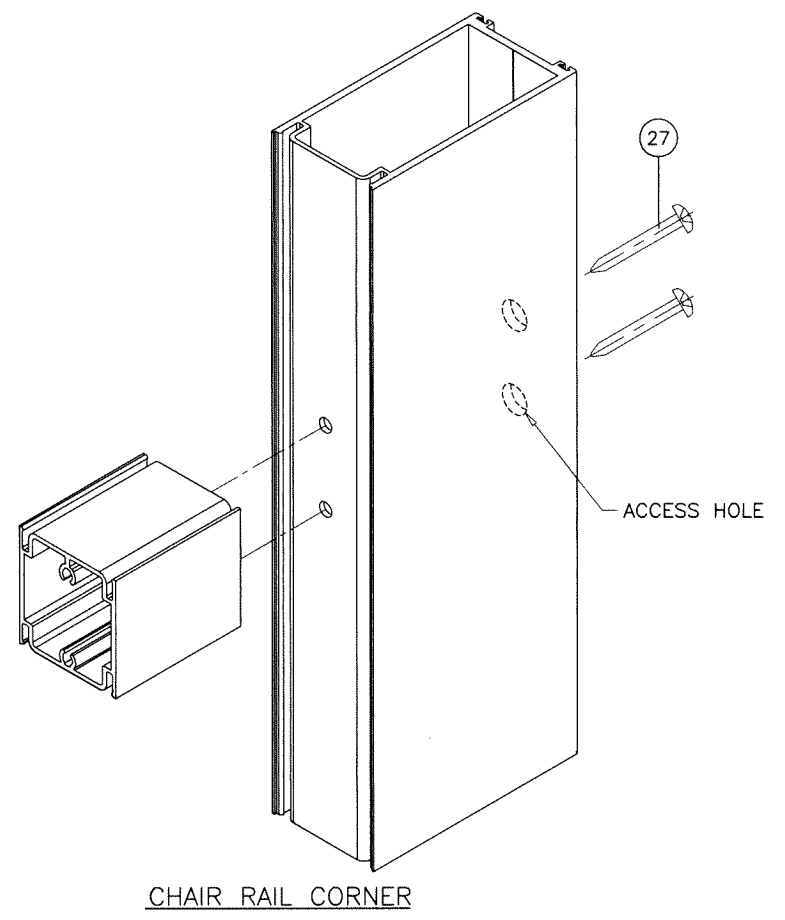
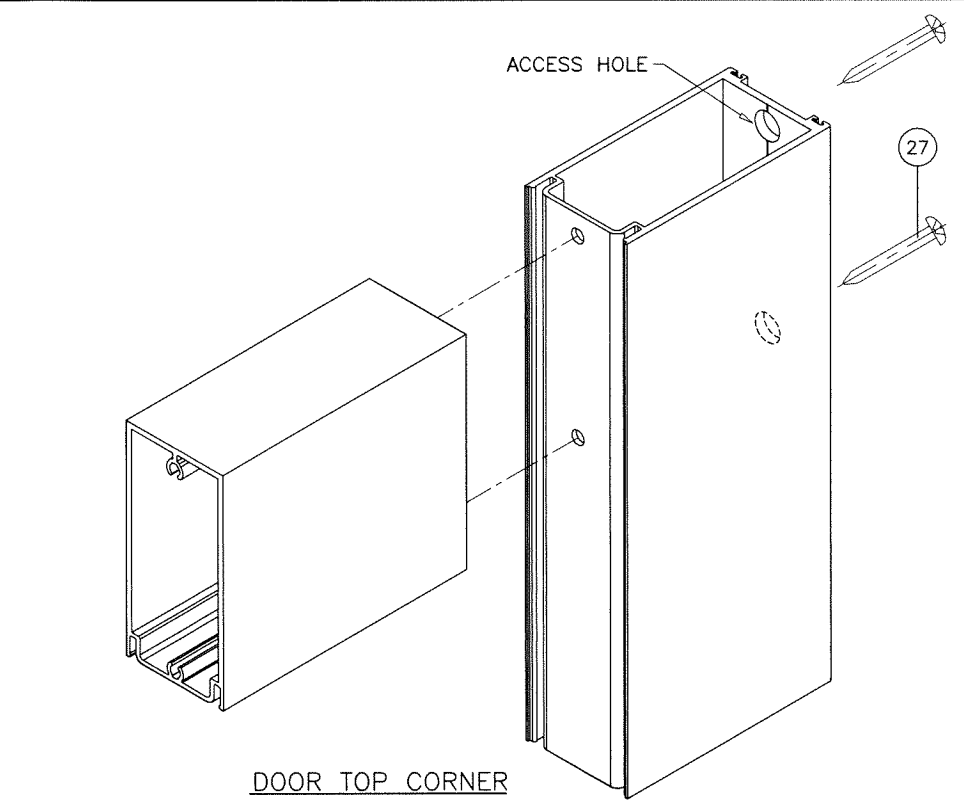
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W17-107
 sheet 13 of 14

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