

APPROVED CONFIGURATIONS

XX, OXX, XXO AND OXXO DOORS MAY HAVE UN-EQUAL PANEL WIDTHS.
OXO, AND OXXO DOORS MAY HAVE UN-EQUAL SIDELITE WIDTHS.
ALL CONFIGURATIONS MAY HAVE HI-RISE RAILS ON BOTH OR EITHER
TOP AND BOTTOM OF PANELS.

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

SERIES 2400
ALUMINUM IMPACT OUTSWING ENTRANCE DOOR

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.

DOORS WITH STD. THRESHOLDS (LAW-2402 & LAW-2403) APPROVED
FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.
DOORS WITH ADA THRESHOLD (LAW-2421) NOT APPROVED FOR
WATER INFILTRATION RESISTANCE.
SEE SHEET 6 FOR DETAILS.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 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 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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

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

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

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED
ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE
USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** FOR SINGLE (X) AND DOUBLE (XX) DOOR CAPACITIES
SEE SHEETS 3 & 3.1.
- STEP 3** FOR SIDELITE PANEL (O) CAPACITY SEE SHEET 4.
- STEP 4** FOR SIDELITE COMBINATION WITH DOOR
SEE MULLION CAPACITY CHART ON SHEET 5.
- STEP 5** FOR HARDWARE LIMITATIONS SEE SHEET 12.
- STEP 6** THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4
AND 5 SHALL APPLY TO ENTIRE SYSTEM.

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.

Sealed: 2/27/2024

FL #39596



SERIES 2400 ALUMINUM OUTSWING DOOR (L.M.I.)

Lawson Industries Inc.

8501 N.W. 90th Street
Medley, FL. 33166

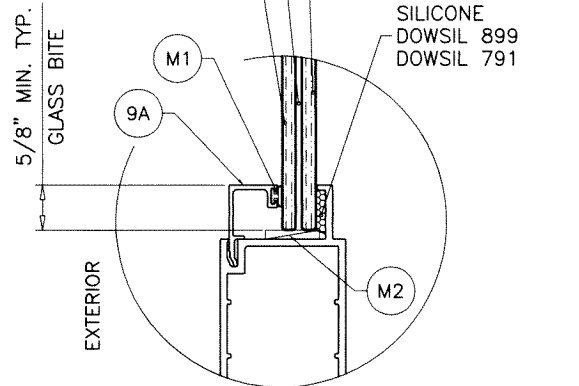
Tel. (305) 696-8660 FAX.

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

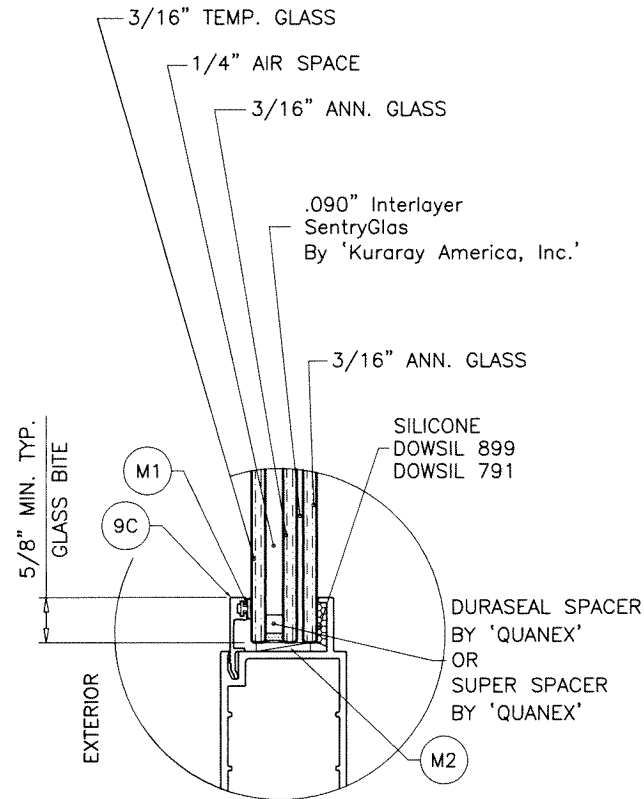
COMP-ANL\21-14F-LI

no	date	by	description
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B	09.27.23		UPDATED TO 2023 FBC
C	01.24.24		LOCK OPTION 3 REV.

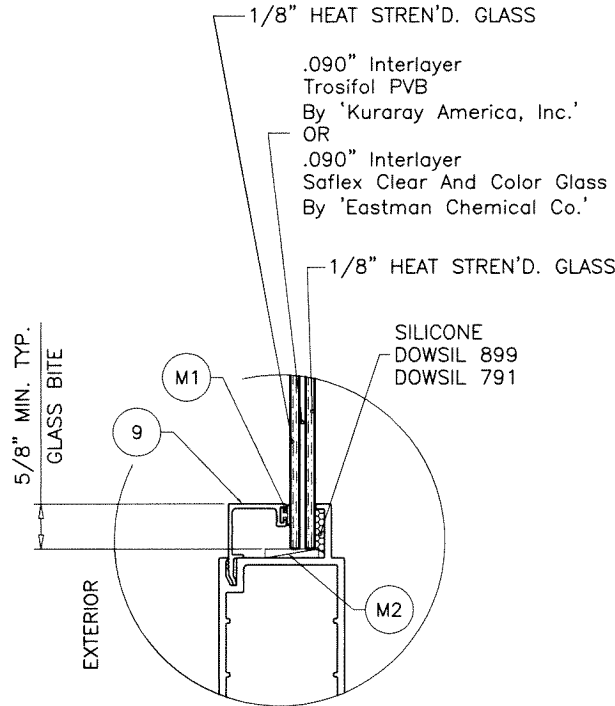
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dr. by:	TARIQ
chk. by:	
drawing no.	21-14F
sheet	1 of 15



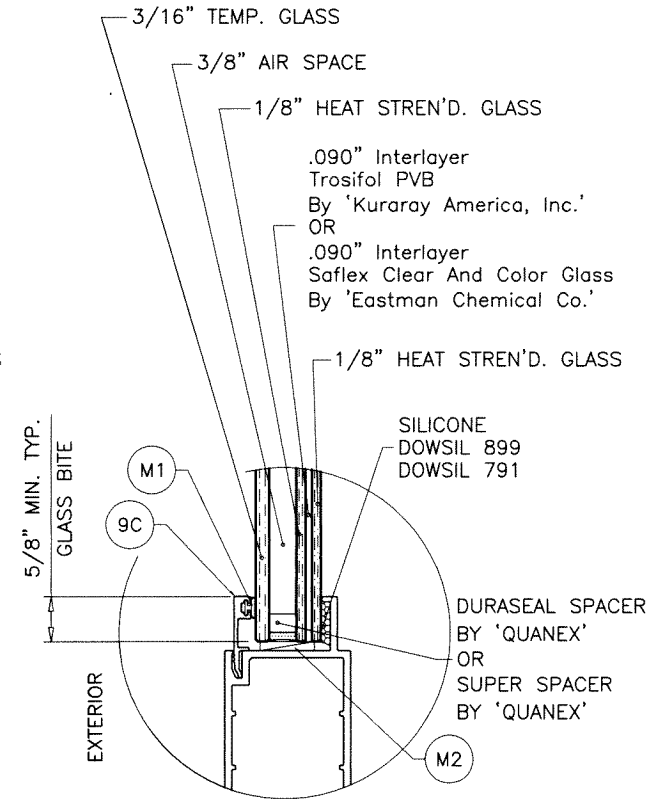
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7/16" OVERALL LAM. GLASS



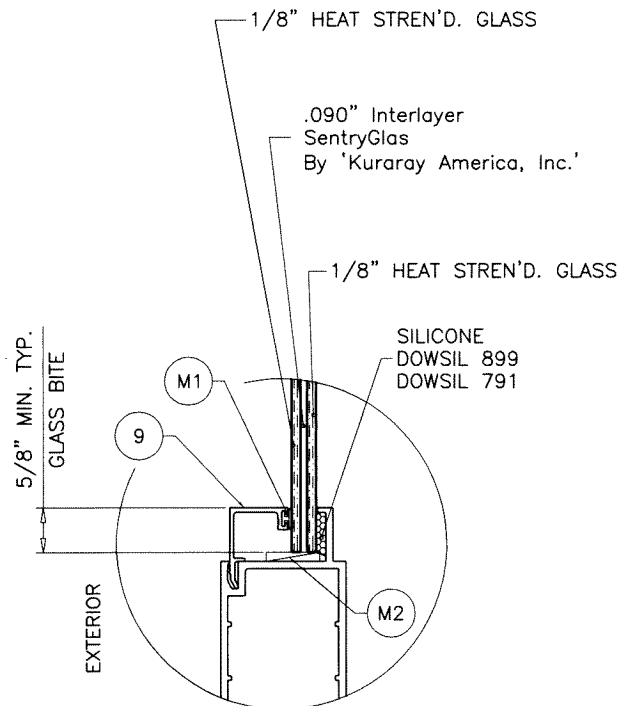
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7/8" OVERALL INSUL. LAM. GLASS



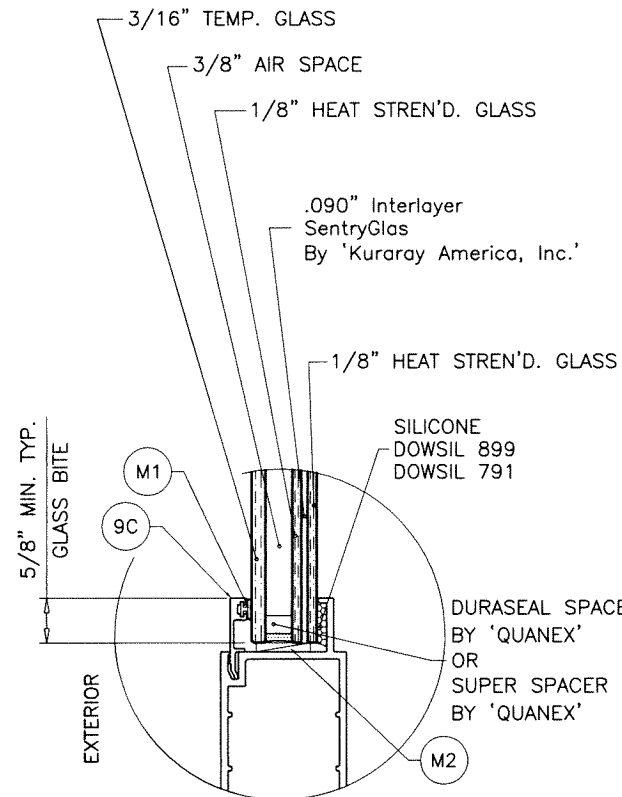
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5/16" OVERALL LAM. GLASS



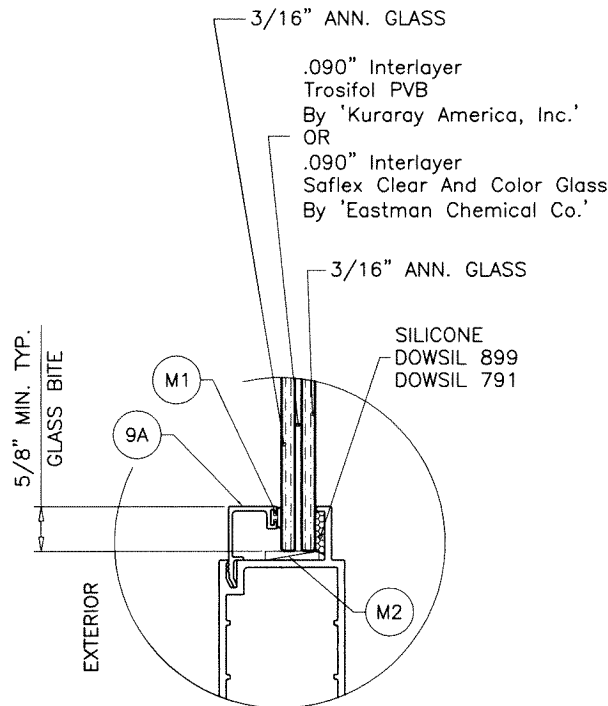
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7/8" OVERALL INSUL. LAM. GLASS



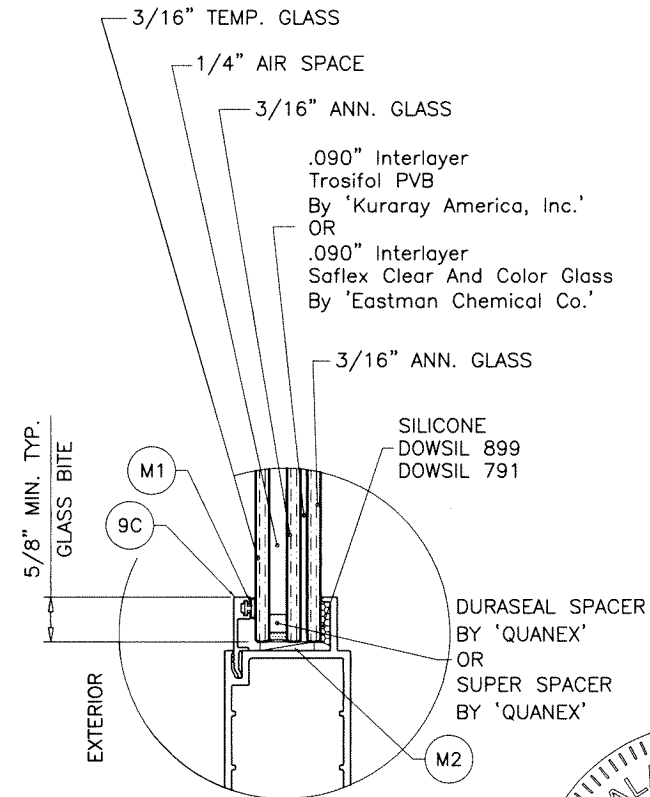
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5/16" OVERALL LAM. GLASS



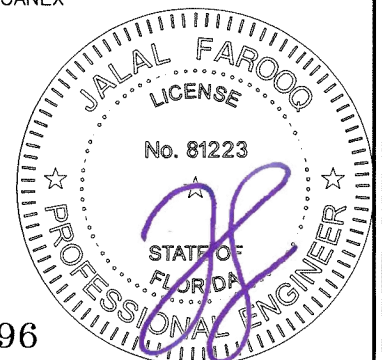
GLASS TYPE 'Ei'
3/4" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'F'
7/16" OVERALL LAM. GLASS



GLASS TYPE 'Fi'
7/8" OVERALL INSUL. LAM. GLASS



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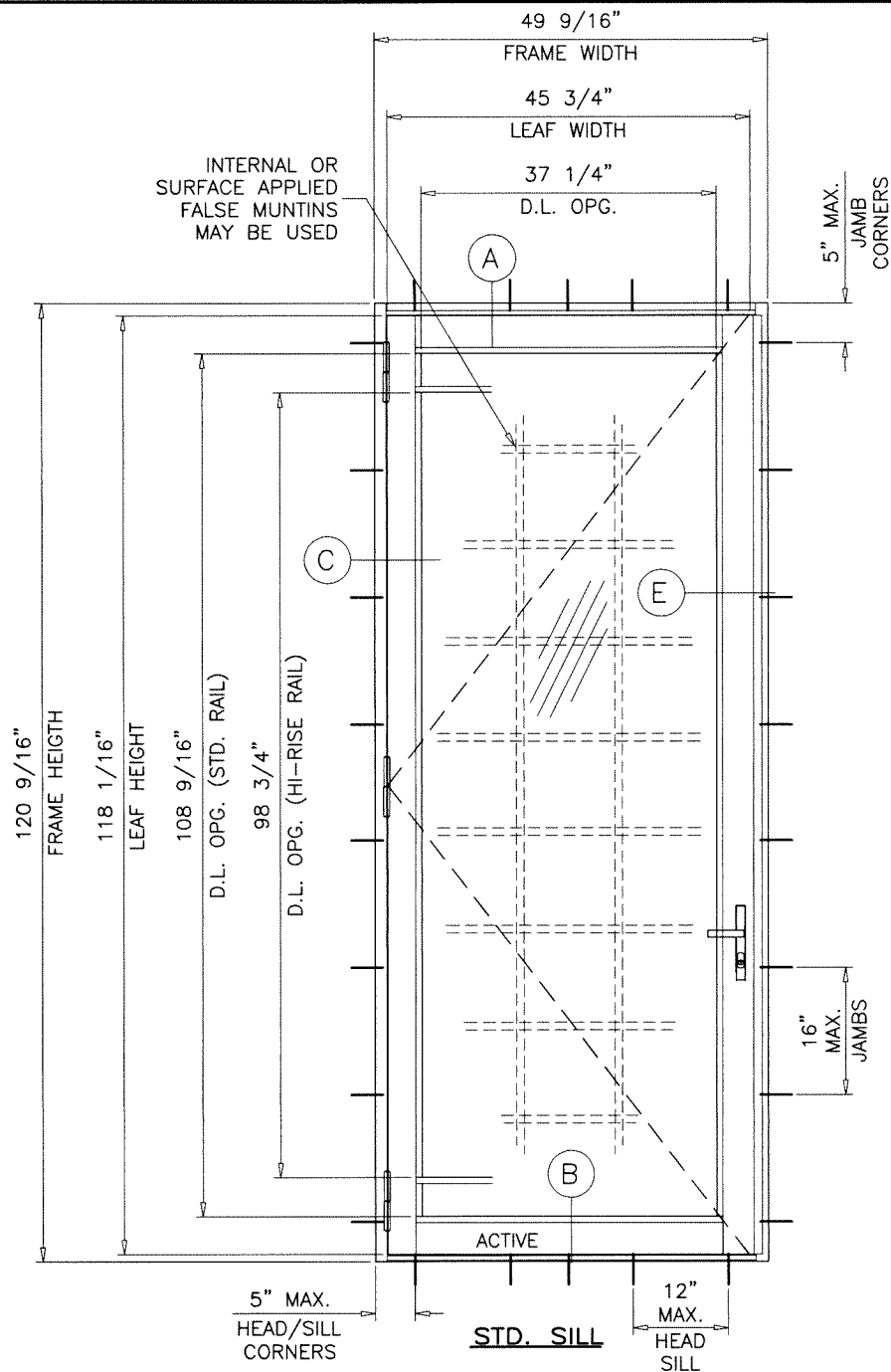
COMP-ANL 21-14F-U

SERIES 2400 ALUMINUM OUTSWING DOOR (L.M.I.)

Lawson Industries Inc.
8501 N.W. 90th Street
Medley, FL. 33166
Tel. (305) 696-8660 FAX.

Revisions:	
no	description

date: 02-22-21	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:	drawing no. 21-14F
				sheet 2 of 15



TYPICAL ELEVATION
(X)

SINGLE DOORS LOAD CAPACITY - PSF

FRAME		LEAF		THRESHOLD TYPES	GLASS TYPES 'A', 'Ai', 'H', 'Hi'		GLASS TYPES 'D', 'Di', 'E', 'Ei'		GLASS TYPE 'G'		GLASS TYPE 'Gi'	
					EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
39-9/6"	80-9/16"	35-3/4"	78-1/16"	STD.	55.0	55.0	75.0	80.0	60.0	60.0	70.0	70.0
			78-9/16"	ADA								
39-9/6"	96"	35-3/4"	93-1/2"	STD.	55.0	55.0	75.0	80.0	-	-	-	-
			94"	ADA								
49-9/16"	120-9/16"	45-3/4"	118-1/16"	STD.	55.0	55.0	-	-	-	-	-	-
			118-9/16"	ADA								

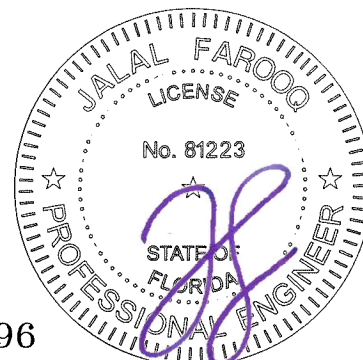
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

DOOR D.L.O. FORMULAE:

D.L.O. WIDTH = FRAME WIDTH - 12.3125" (X DOORS)
= (FRAME WIDTH - 21.50")/2 (XX DOORS)

D.L.O. HEIGHT = FRAME HEIGHT - 12.0" (STD. BOT. RAIL) (STD. SILL)
= FRAME HEIGHT - 16.875" (HI-RISE BOT. RAIL) (STD. SILL)

D.L.O. HEIGHT = FRAME HEIGHT - 11.50" (STD. BOT. RAIL) (ADA SILL)
= FRAME HEIGHT - 16.375" (HI-RISE BOT. RAIL) (ADA SILL)



Sealed: 2/27/2024
FL #39596

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AL-FAROOQ CORPORATION
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TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\21-14F-LI

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revisions:
no date by description

date: 02-22-21

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

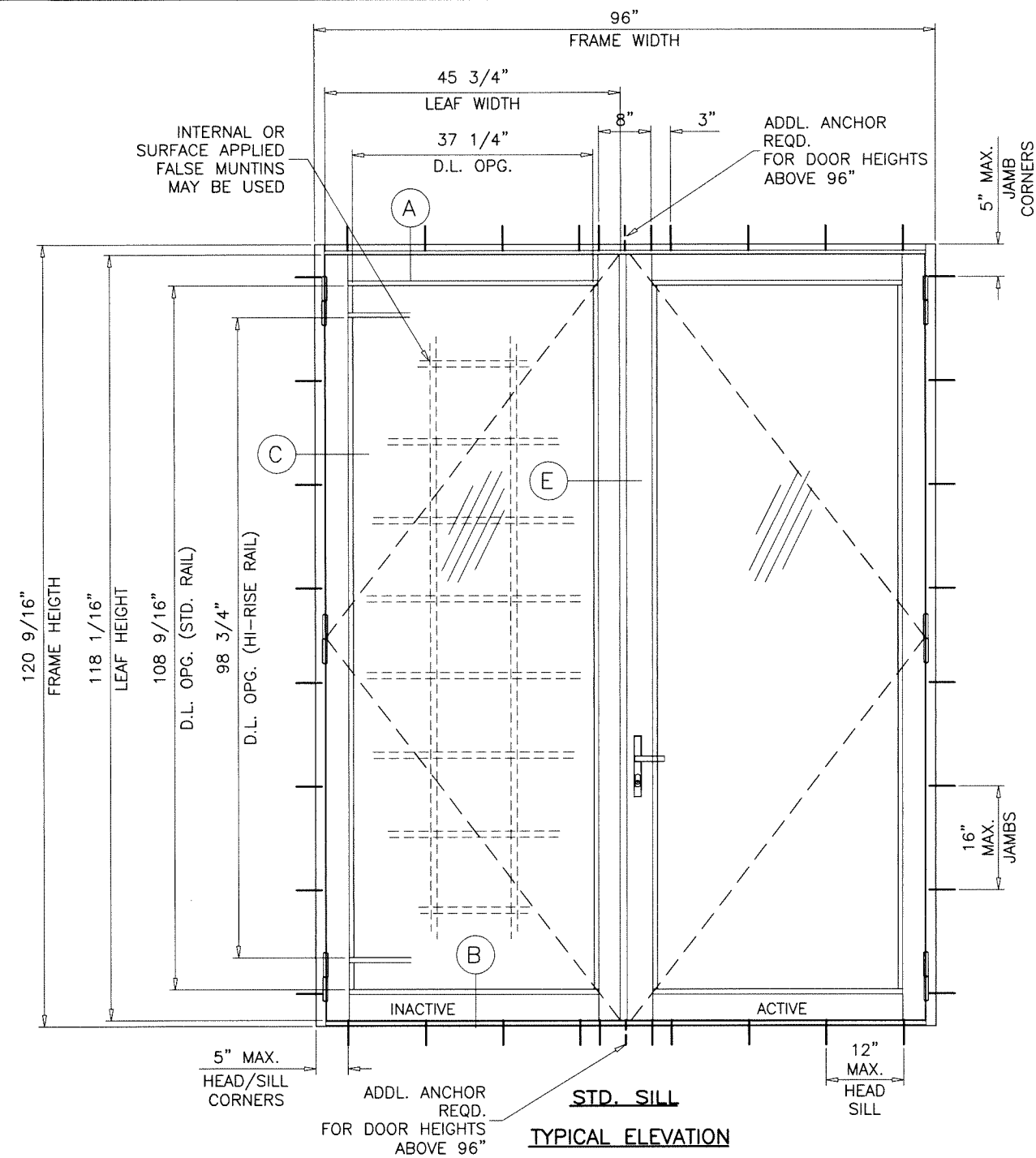
dr. by: TARIQ

chk. by:

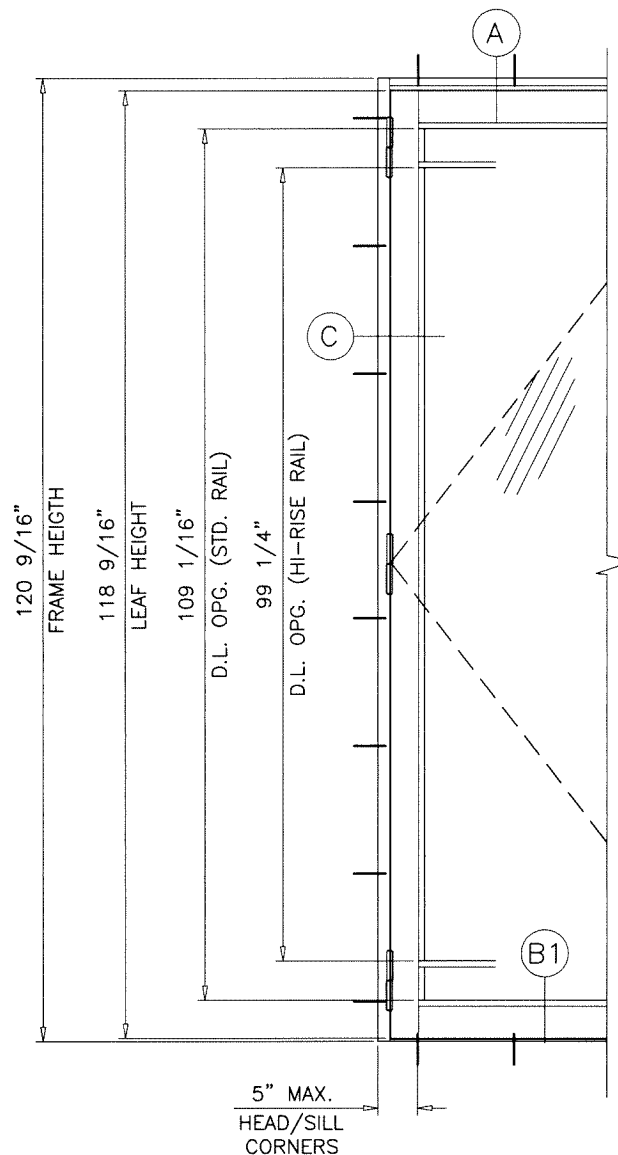
drawing no.

21-14F

sheet 3 of 15



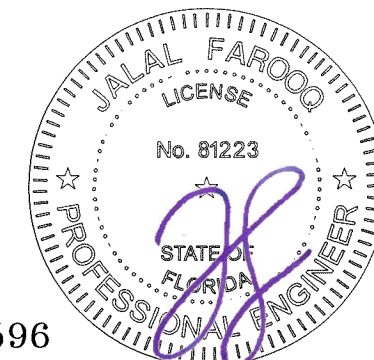
TYPICAL ELEVATION
(XX)



SINGLE OR DOUBLE DOORS
WITH ADA SILL

DOUBLE DOORS LOAD CAPACITY - PSF												
FRAME		LEAF		THRESHOLD TYPES	GLASS TYPES 'A','Ai','H','Hi'		GLASS TYPES 'D','Di','E','Ei' 'F','Fi','K','Ki'		GLASS TYPES 'G'		GLASS TYPES 'Gi'	
					EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)
WIDTH	HEIGHT	WIDTH	HEIGHT									
76"	80–9/16"	35–3/4"	78–1/16"	STD.	55.0	55.0	75.0	80.0	60.0	60.0	70.0	70.0
			78–9/16"	ADA								
76"	96"	35–3/4"	93–1/2"	STD.	55.0	55.0	75.0	80.0	–	–	–	–
			94"	ADA								
96"	120–9/16"	45–3/4"	118–1/16"	STD.	55.0	55.0	–	–	–	–	–	–
			118–9/16"	ADA								

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

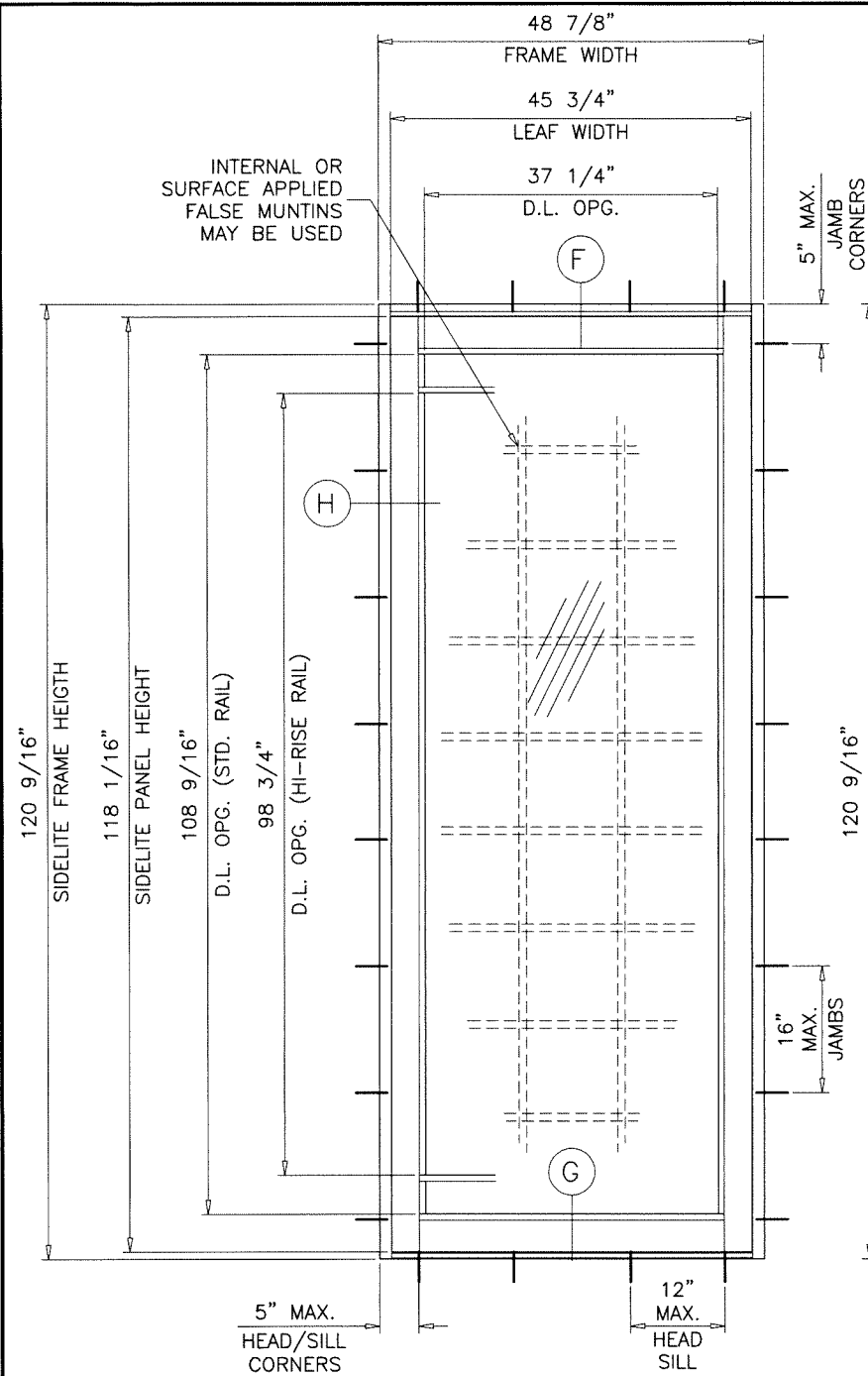


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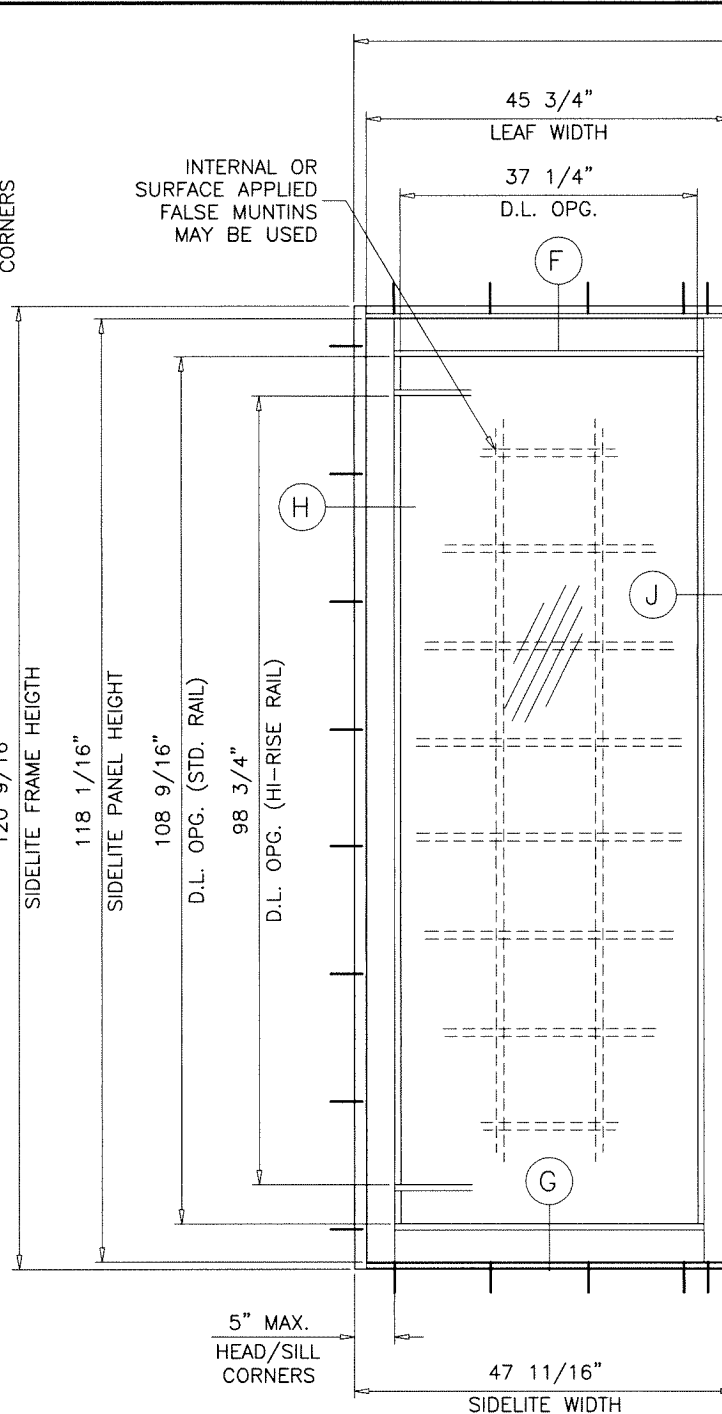
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COMP-ANL\21-14F-LI

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date:	02-22-21	scale:	1/2"=1'-0"
dr. by:	TARIQ	chk. by:	
drawing no.	21-14F	sheet	3.1 of 15



TYPICAL ELEVATION
(O)



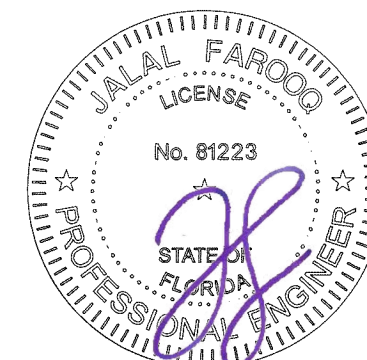
TYPICAL ELEVATION
(O-XX-O)

NOTE:
THE FRAME AREA OF ALTERNATE SIZE MUST NOT
EXCEED TESTED FRAME AREA = 160.2 SQ. FT.

SIDELITE LOAD CAPACITY – PSF OR STAND ALONE STATIONARY PANEL (O)												
FRAME		PANEL		THRESHOLD TYPES	GLASS TYPES 'A','Ai','H','Hi'		GLASS TYPES 'D','Di','E','Ei' 'F','Fi','K','Ki'		GLASS TYPES 'G'		GLASS TYPES 'Gi'	
					EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
38–7/8"	80–9/16"	35–3/4"	78–1/16"	STD.	55.0	55.0	75.0	80.0	60.0	60.0	70.0	70.0
			78–9/16"	ADA								
38–7/8"	96"	35–3/4"	93–1/2"	STD.	55.0	55.0	75.0	80.0	–	–	–	–
			94"	ADA								
48–7/8"	120–9/16"	45–3/4"	118–1/16"	STD.	55.0	55.0	–	–	–	–	–	–
			118–9/16"	ADA								

SIDELITE D.L.O. FORMULAE:
D.L.O. WIDTH = FRAME WIDTH - 11.625"
D.L.O. HEIGHT = FRAME HEIGHT - 12.0" (STD. BOT. RAIL) (STD. SILL)
= FRAME HEIGHT - 16.875" (HI-RISE BOT. RAIL) (STD. SILL)
D.L.O. HEIGHT = FRAME HEIGHT - 11.5" (STD. BOT. RAIL) (ADA. SILL)
= FRAME HEIGHT - 16.375" (HI-RISE BOT. RAIL) (ADA. SILL)

Sealed: 2/27/2024



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no	date	by	description

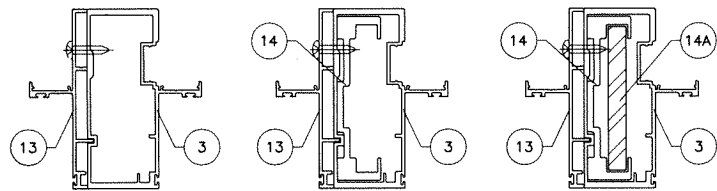
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drawing no.
21-14F

sheet 4 of 15

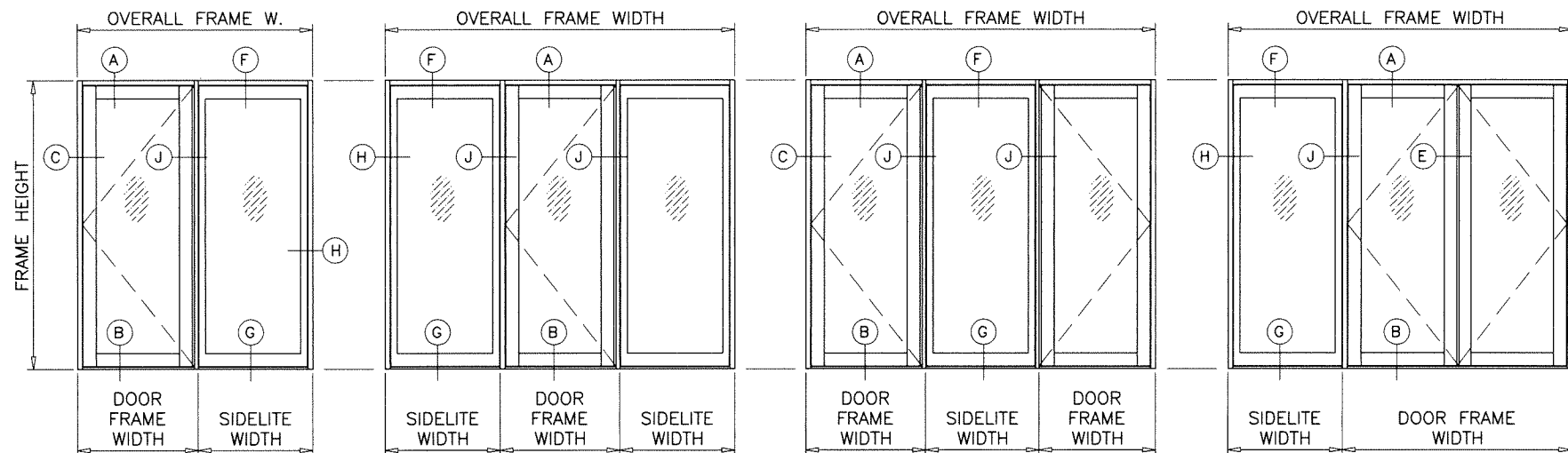
FL #39596

DESIGN LOAD CAPACITY - PSF DOOR TO SIDELITE MULLION							
SIDELITE WIDTH INCHES	FRAME HEIGHT INCHES	MULL 'M1'		MULL 'M2'		MULL 'M3'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24	80-9/16	75.0	80.0	75.0	80.0	75.0	80.0
30		75.0	80.0	75.0	80.0	75.0	80.0
36		75.0	77.2	75.0	80.0	75.0	80.0
42		71.4	71.4	75.0	80.0	75.0	80.0
47-11/16		66.6	66.6	75.0	80.0	75.0	80.0
24	84	75.0	80.0	75.0	80.0	75.0	80.0
30		74.1	74.1	75.0	80.0	75.0	80.0
36		68.1	68.1	75.0	80.0	75.0	80.0
42		63.0	63.0	75.0	80.0	75.0	80.0
47-11/16		58.8	58.8	75.0	80.0	75.0	80.0
24	90	66.1	66.1	75.0	80.0	75.0	80.0
30		60.2	60.2	75.0	80.0	75.0	80.0
36		55.3	55.3	75.0	78.2	75.0	80.0
42		51.2	51.2	73.0	73.0	75.0	80.0
47-11/16		-	-	68.8	68.8	75.0	80.0
24	96	48.8	48.8	74.9	74.9	75.0	80.0
30		44.8	44.8	69.3	69.3	75.0	80.0
36		43.8	43.8	64.4	64.4	75.0	80.0
42		-	-	60.2	60.2	75.0	80.0
47-11/16		-	-	56.7	56.7	75.0	80.0
24	102	-	-	55.0	55.0	55.0	55.0
30		-	-	55.0	55.0	55.0	55.0
36		-	-	53.7	53.7	55.0	55.0
42		-	-	50.2	50.2	55.0	55.0
47-11/16		-	-	47.2	47.2	55.0	55.0
24	108	-	-	52.6	52.6	55.0	55.0
30		-	-	48.6	48.6	55.0	55.0
36		-	-	45.2	45.2	55.0	55.0
42		-	-	42.3	42.3	55.0	55.0
47-11/16		-	-	39.8	39.8	55.0	55.0
24	114	-	-	44.7	44.7	55.0	55.0
30		-	-	41.4	41.4	55.0	55.0
36		-	-	38.5	38.5	55.0	55.0
42		-	-	35.9	35.9	55.0	55.0
47-11/16		-	-	33.8	33.8	54.7	54.7
24	120	-	-	37.8	37.8	55.0	55.0
30		-	-	35.0	35.0	55.0	55.0
36		-	-	32.5	32.5	52.6	52.6
42		-	-	30.4	30.4	49.1	49.1
47-11/16		-	-	28.6	28.6	47.0	47.0



MULLION 'M1' MULLION 'M2' MULLION 'M3'

DOOR TO SIDELITE MULLION

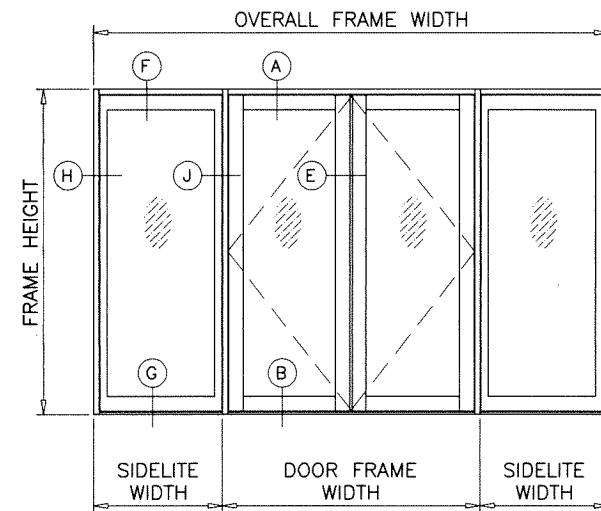


(XO)
(OX)

(OXO)

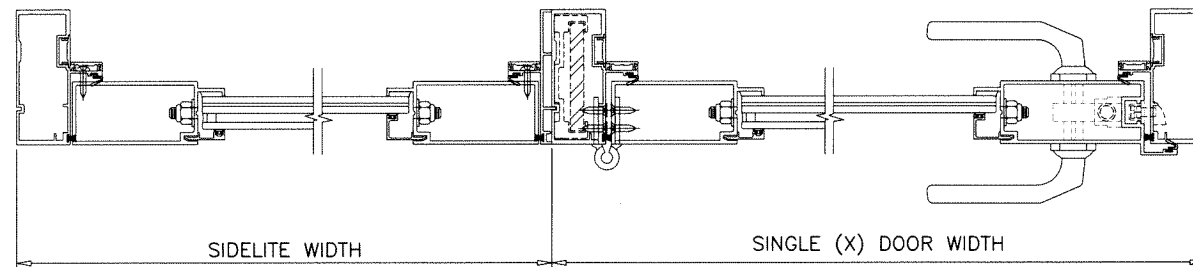
(XOX)

(OXX)
(XXO)



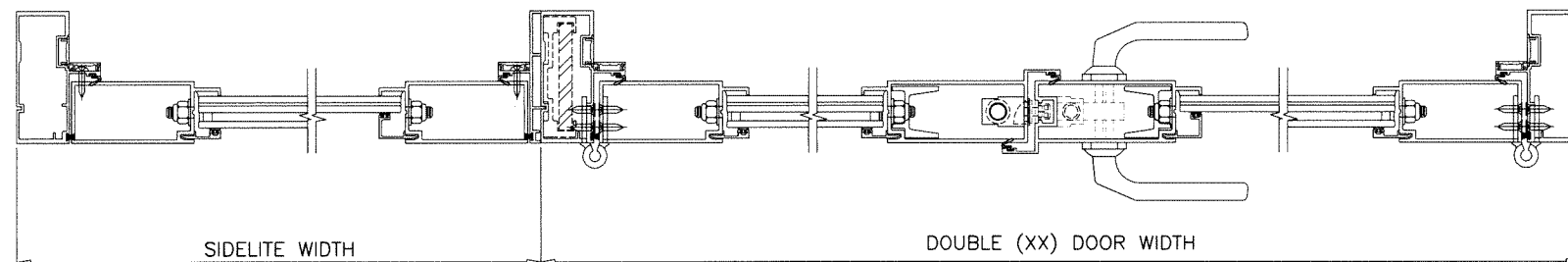
(OXXO)

APPROVED CONFIGURATIONS



SIDELITE WIDTH

SINGLE (X) DOOR WIDTH

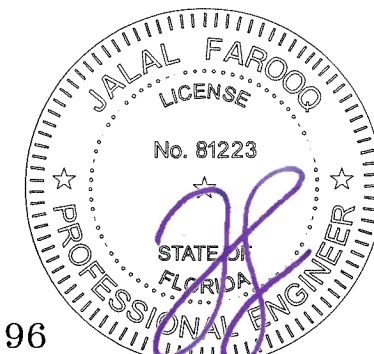


SIDELITE WIDTH

DOUBLE (XX) DOOR WIDTH

NOTE:
FOR DOORS CAPACITY SEE SHEETS 3 & 3.1.
FOR SIDELITE CAPACITIES SEE SHEET 4.
FOR SIDELITE MULLION CAPACITY SEE CHART ABOVE
LOWER VALUES FROM DOORS, SIDELITE, DOOR/SIDELITE
OR DOOR/DOOR MULLION CHART WILL APPLY TO ENTIRE SYSTEM.

Sealed: 2/27/2024
FL #39596



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date: 02-22-21

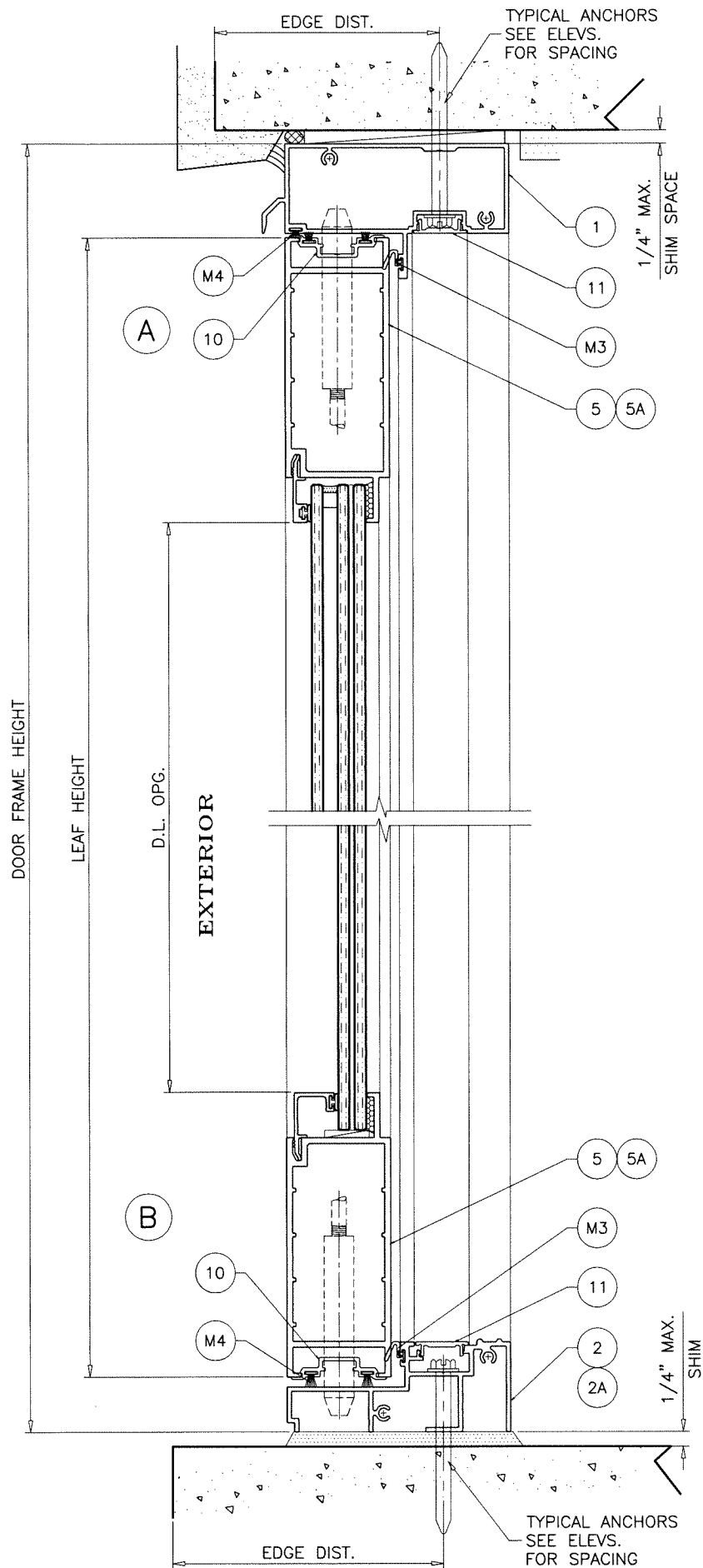
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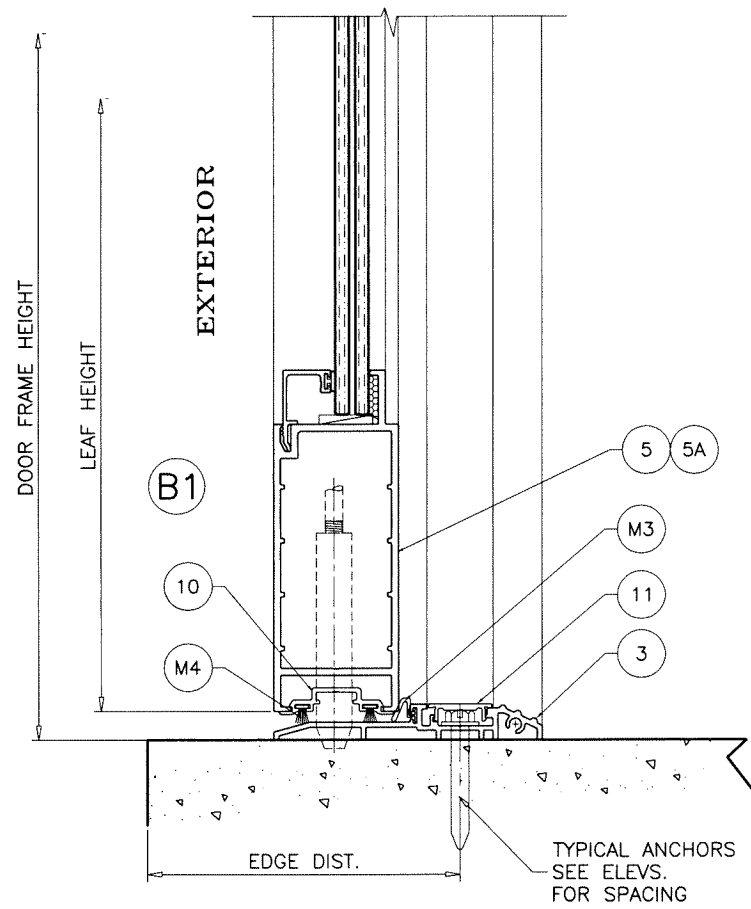
chk. by: -

drawing no.
21-14F

sheet 5 of 15

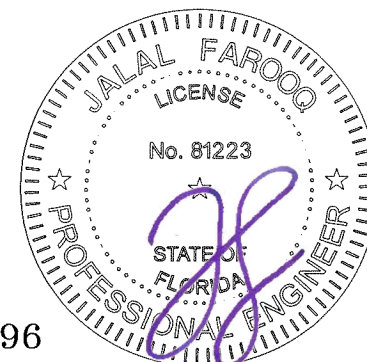


STD. THRESHOLD
APPROVED FOR WATER INFILTRATION RESISTANCE



ADA THRESHOLD
NOT APPROVED FOR WATER INFILTRATION RESISTANCE

DOOR DETAILS



Sealed: 2/27/2024
FL #39596

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

a f c
COMP-ANL\21-14F-LI

SERIES 2400 ALUMINUM OUTSWING DOOR (L.M.I.)

Lawson Industries Inc.
8501 N.W. 90th Street
Medley, FL. 33166
Tel. (305) 696-8660 FAX.

revisions:

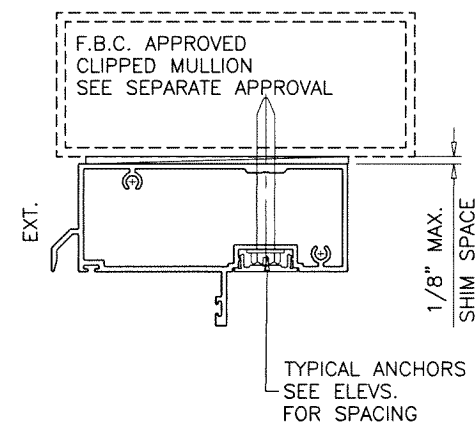
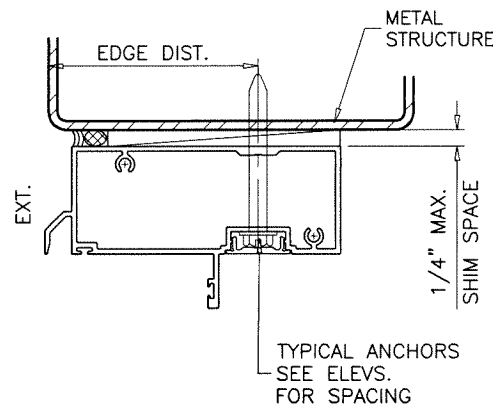
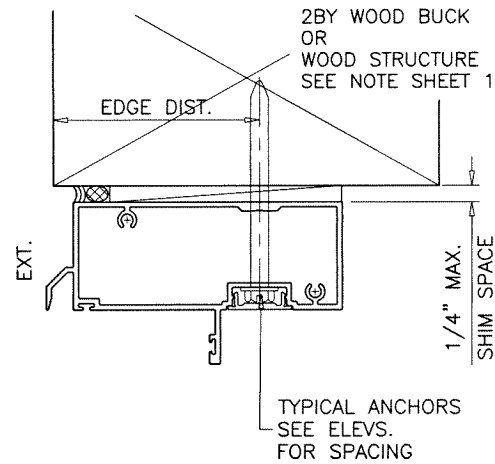
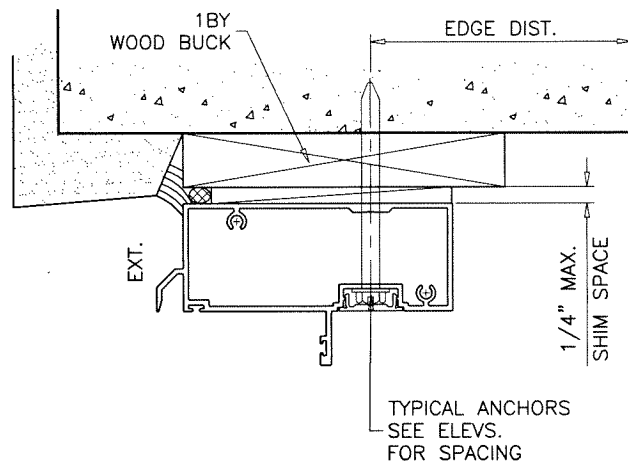
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drawing no.

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WOOD BUCKS AND METAL STRUCTURE NOT BY 'LAWSON IND.'
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
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR GROUT FILLED BLOCKS
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-3/4" MIN. EMBED INTO GROUT-FILLED BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

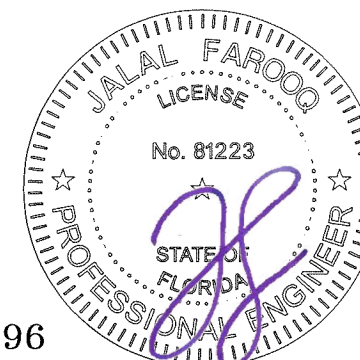
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/JAMBS)
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

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 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

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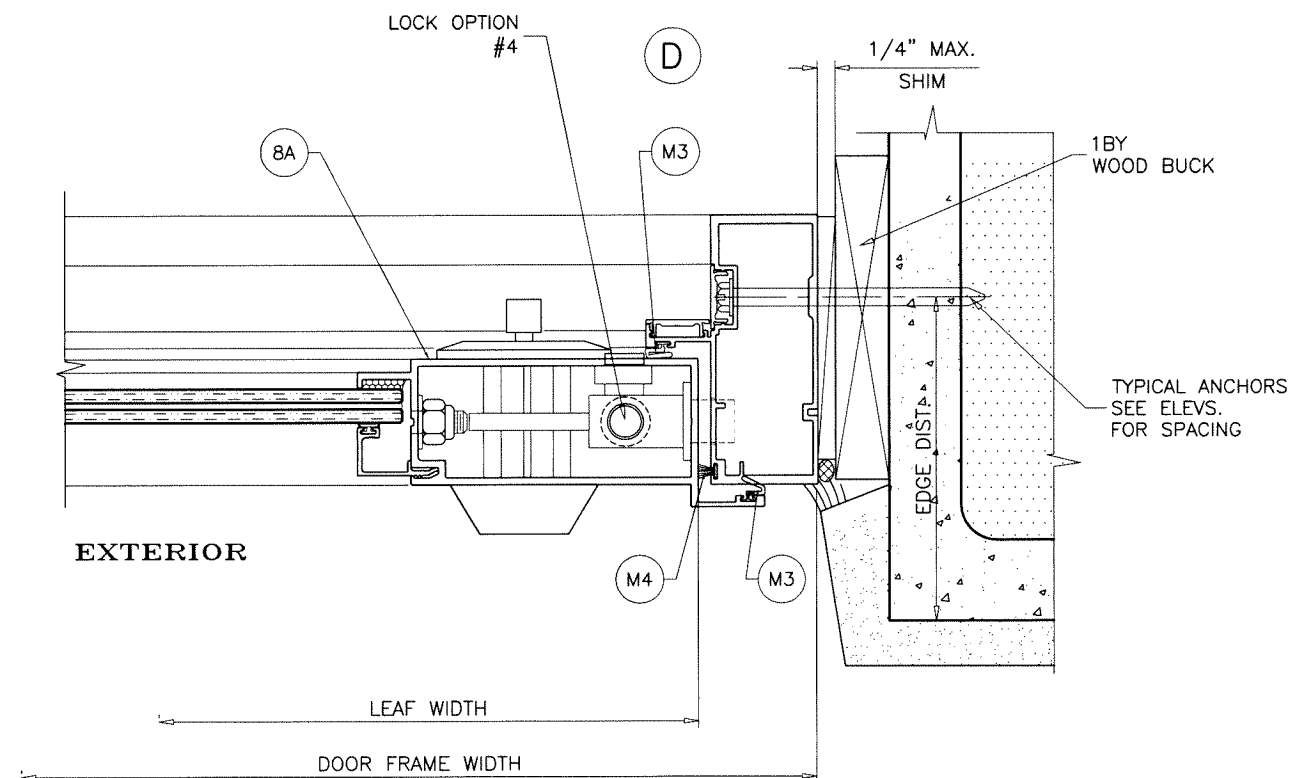
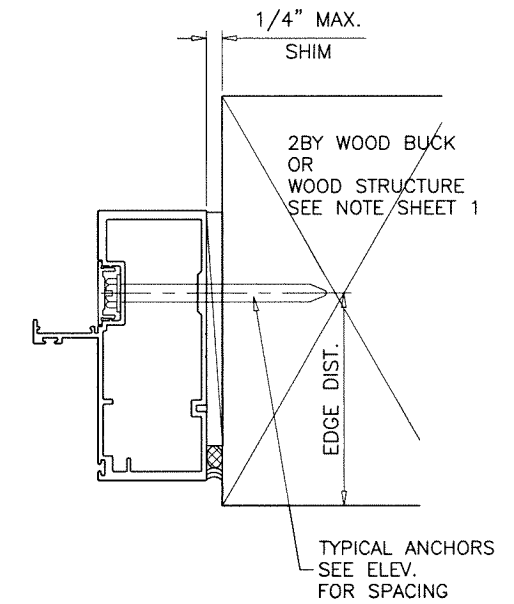
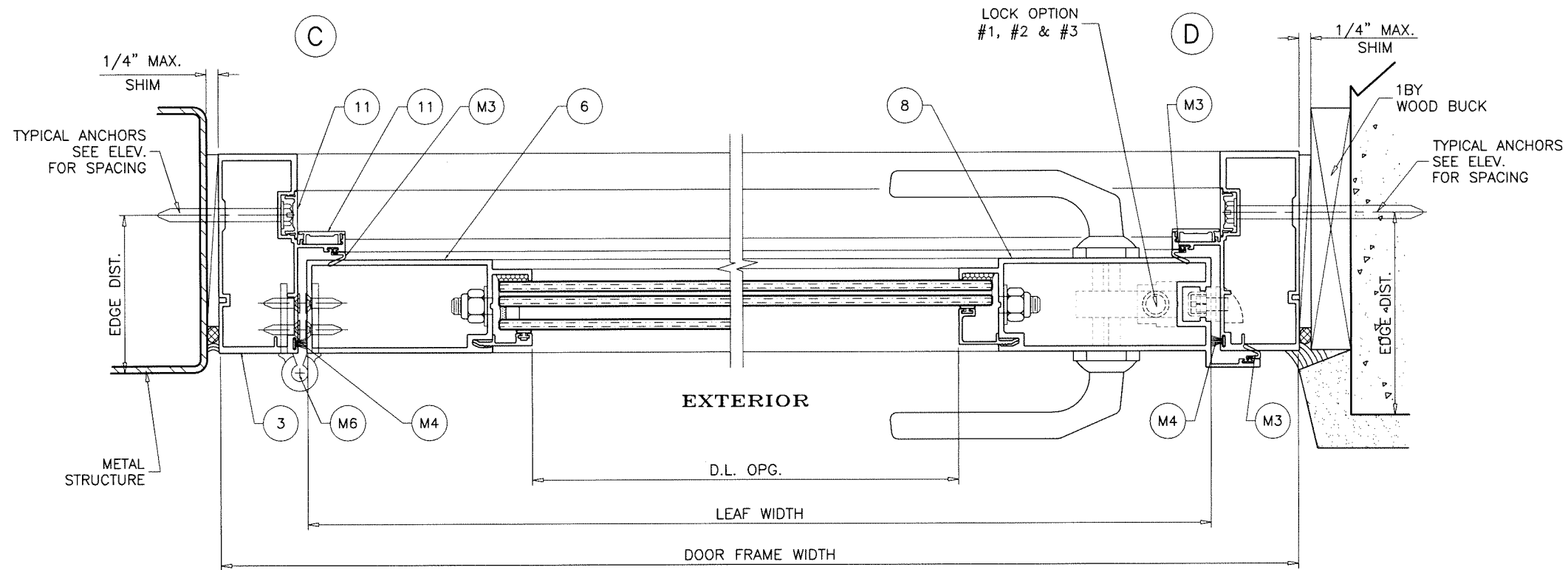
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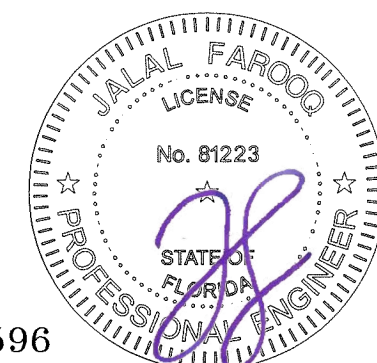
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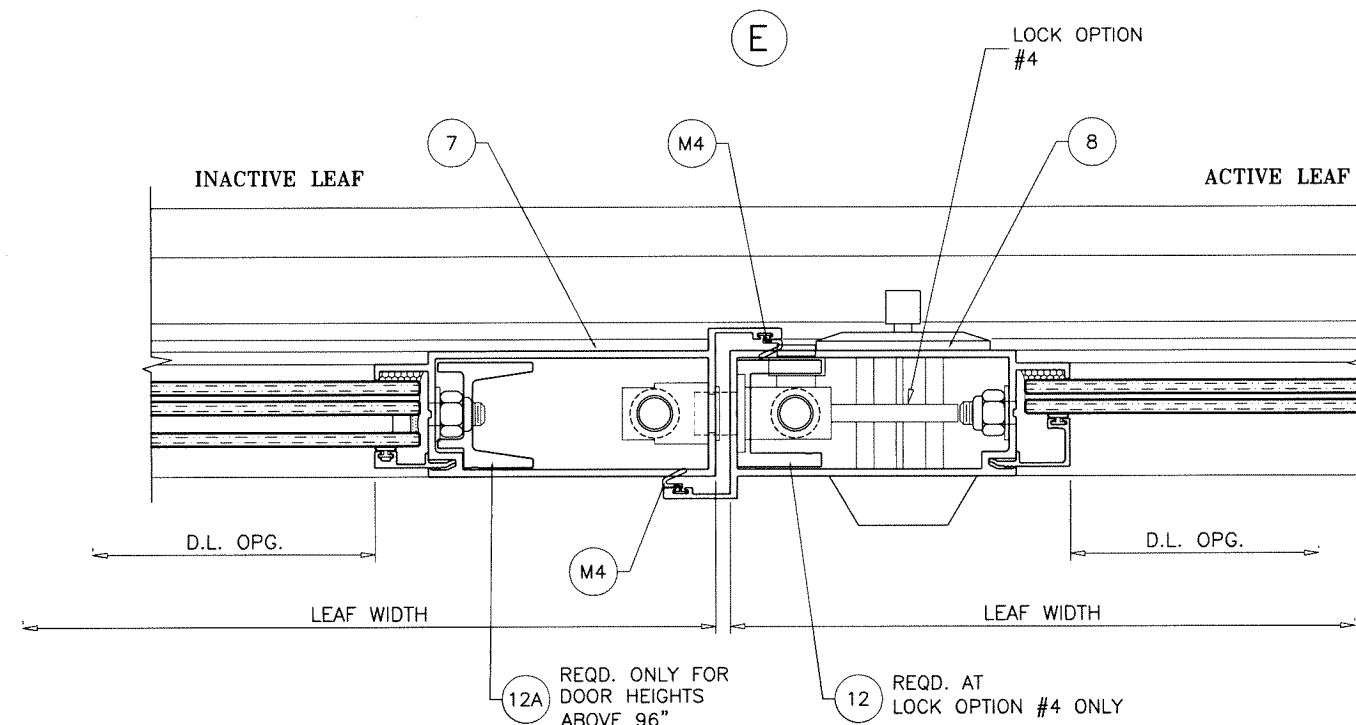
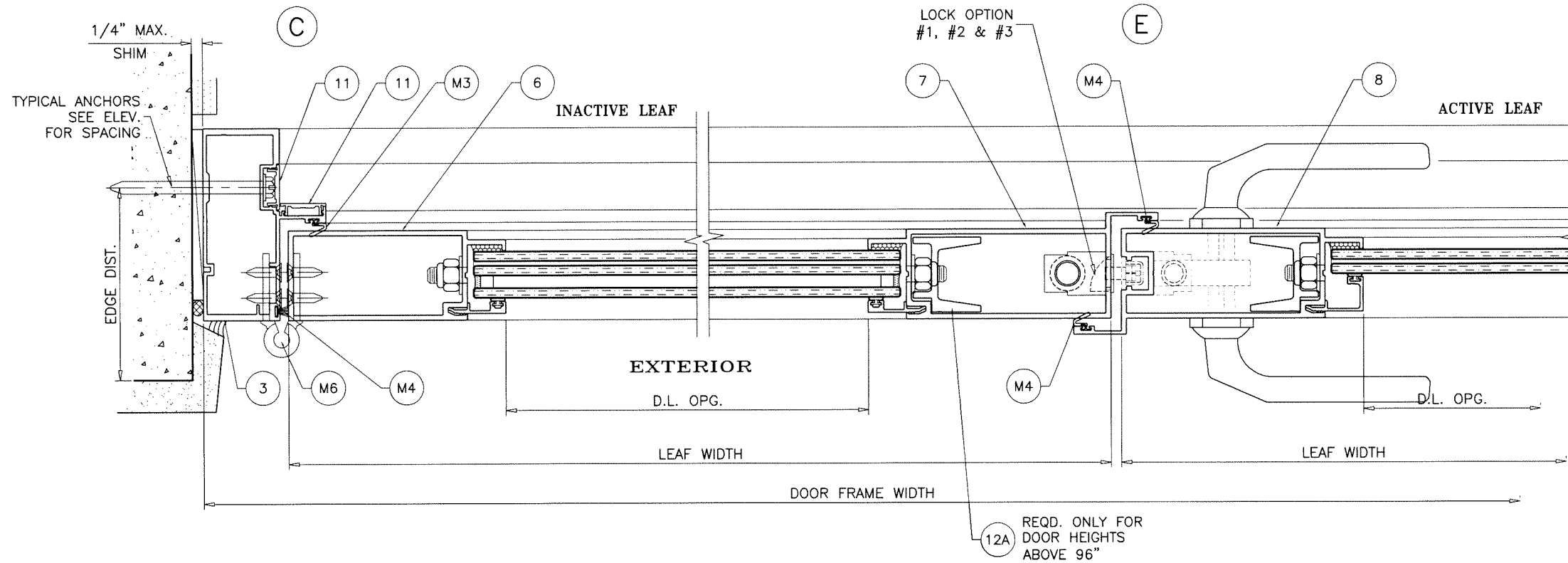
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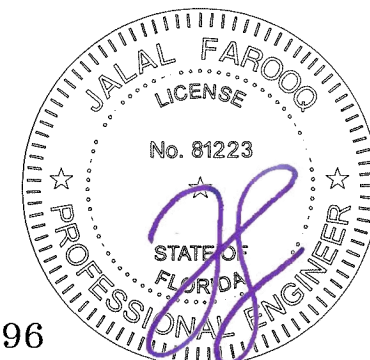
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sheet **8** of **15**



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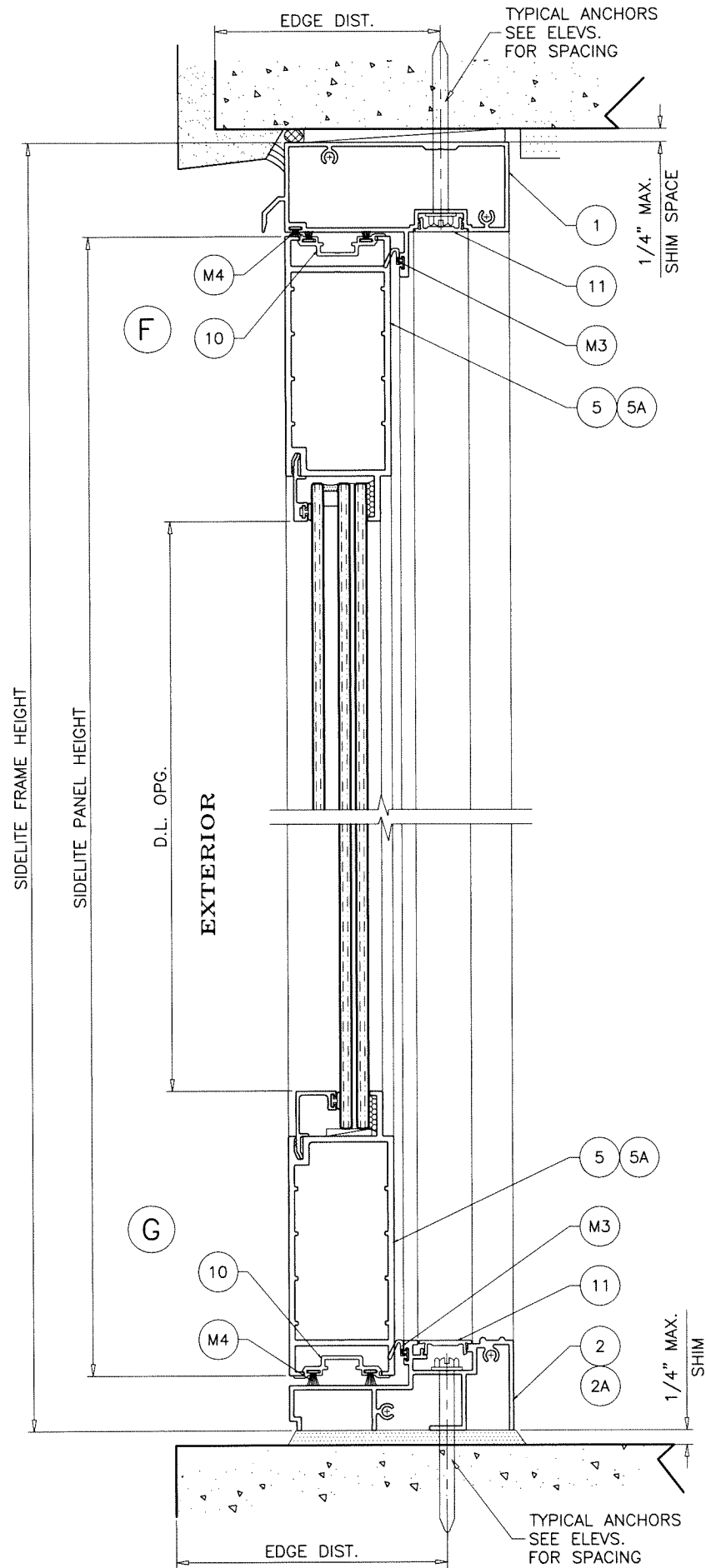
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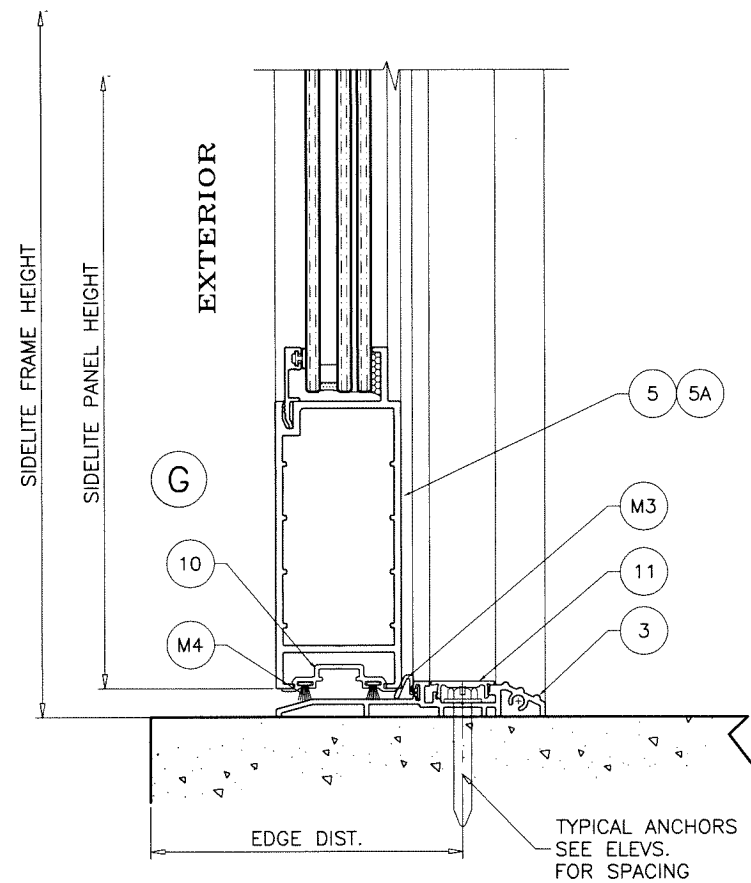
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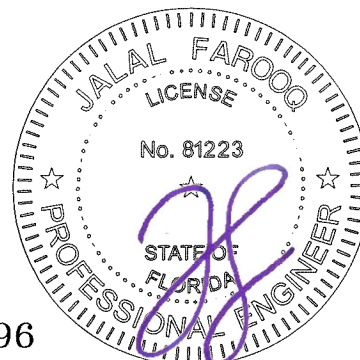
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STD. THRESHOLD
APPROVED FOR WATER INFILTRATION RESISTANCE



ADA THRESHOLD
NOT APPROVED FOR WATER INFILTRATION RESISTANCE



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FL #39596

SIDELITE DETAILS

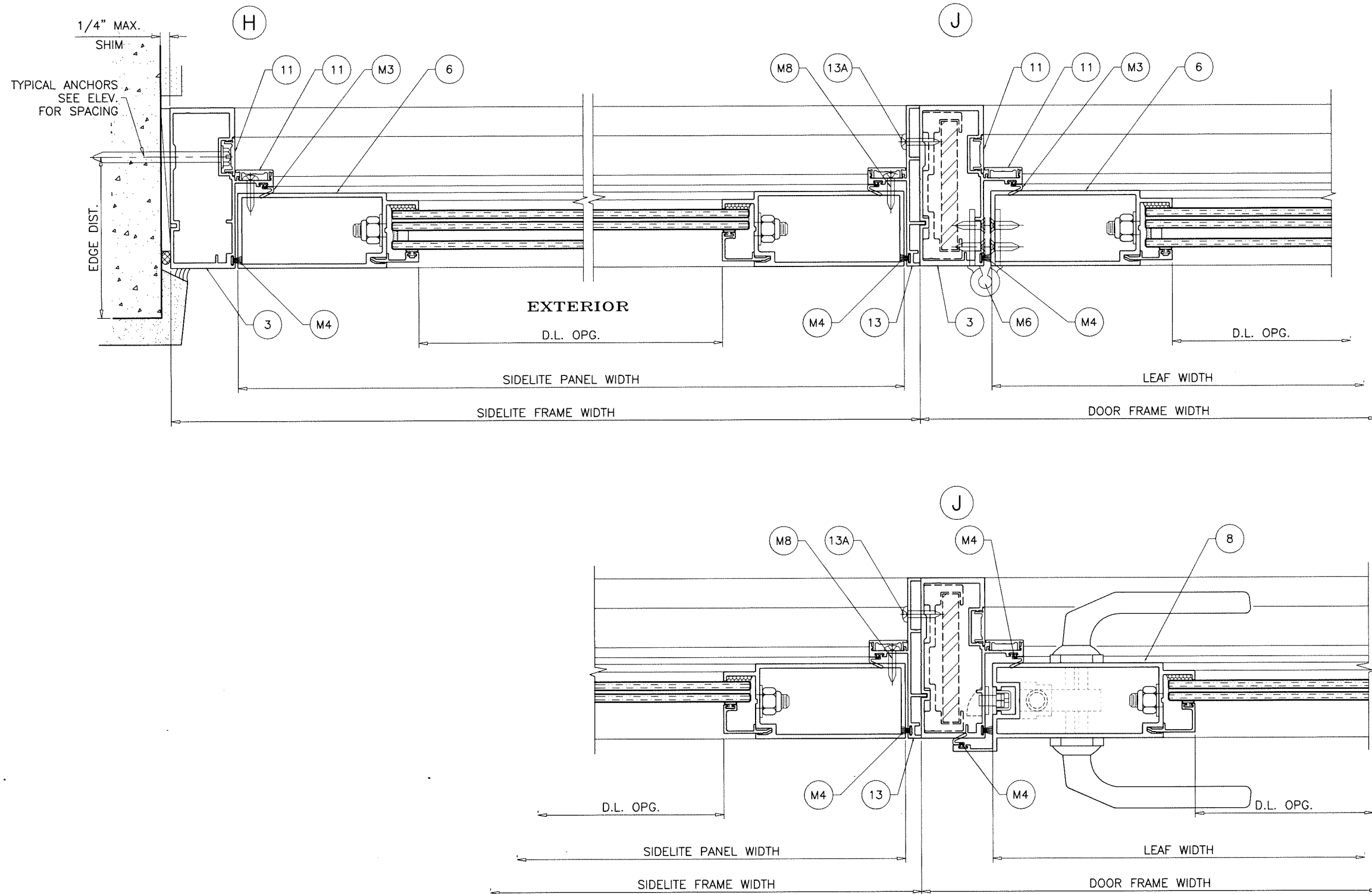
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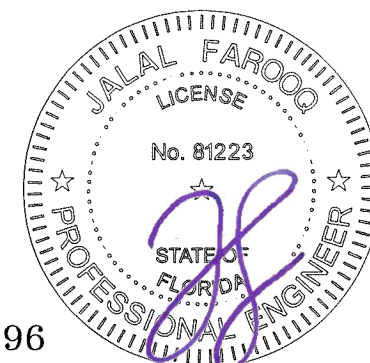
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SIDELITE DETAILS



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LOCKS:

OPTION #1:

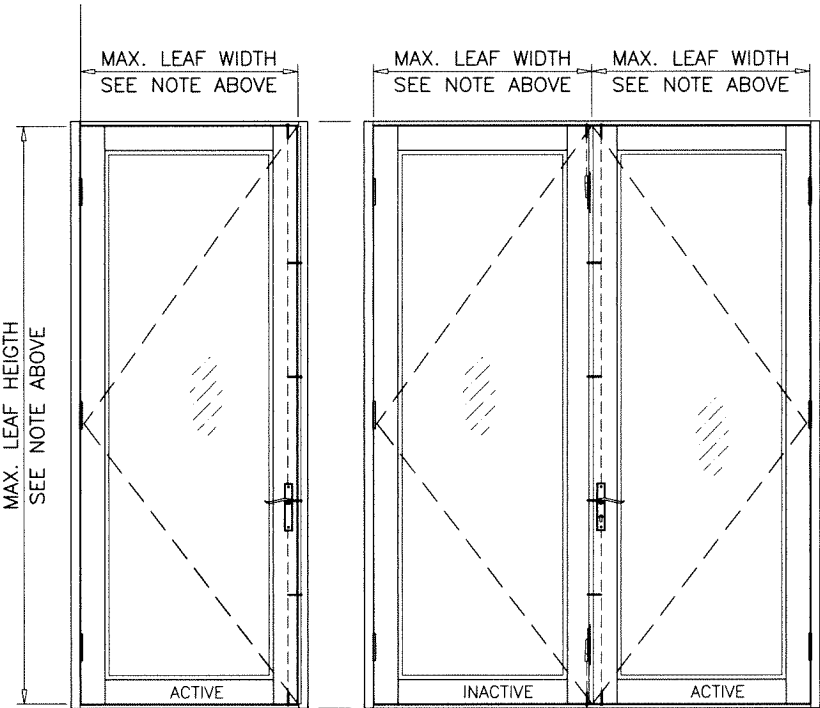
MAX. LEAF HEIGHT = 118-1/16 IN.
MAX. LEAF WIDTH = 45-3/4 IN.
MAX. DESIGN LOAD = + 55.0
- 55.0 PSF

ACTIVE LEAF:

6 POINT LOCK ASSEMBLY BY 'YALE'
(4) LOCKING POINTS ENGAGING AT INACTIVE LEAF AT STRIKE PLATE
1/2" DIA. THROW BOLT (1) AT TOP ENGAGING FRAME HEAD
AND (1) AT BOTTOM ENGAGING FRAME SILL
THROW BOLTS ATTACHED TO LOCK BY 3/8" CONNECTING RODS
LOCK HANDLE LOCATED AT 42-1/2" FROM BOTTOM

INACTIVE LEAF:

CONCEALED FLUSH BOLTS
1/2" X 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE
OF LEAF STILE LOCATED AT 10-5/8" FROM TOP AND BOTTOM
LOCK FASTENED TO STILE WITH (2) #8-32 X 1/2" FH MS



OPTION #2:

MAX. LEAF HEIGHT = 107-1/2 IN.
MAX. LEAF WIDTH = 45-3/4 IN.
MAX. DESIGN LOAD = + 55.0
- 55.0 PSF

MAX. LEAF HEIGHT = 94-1/16 IN.
MAX. LEAF WIDTH = 37-1/8 IN.
MAX. DESIGN LOAD = + 75.0
- 80.0 PSF

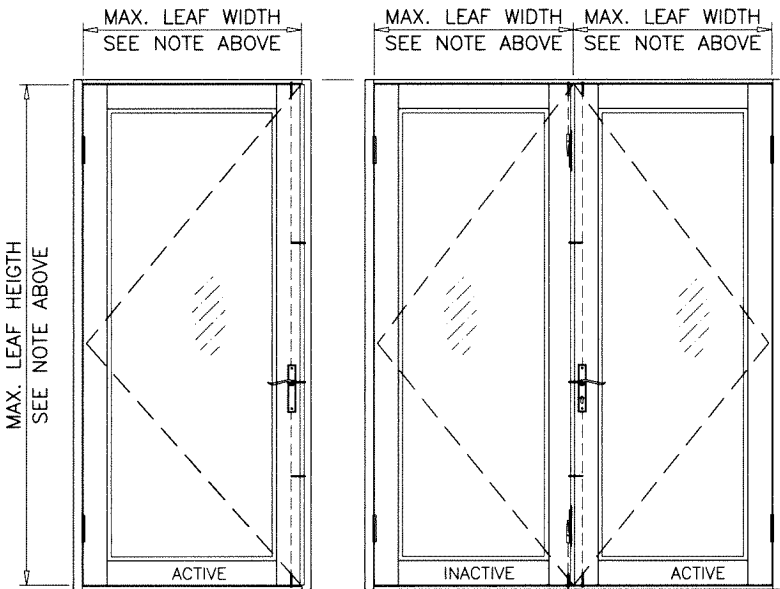
MAX. LEAF HEIGHT = 81-1/2 IN.
MAX. LEAF WIDTH = 45-3/4 IN.
MAX. DESIGN LOAD = + 67.0
- 72.0 PSF

ACTIVE LEAF:

5 POINT LOCK ASSEMBLY 'BY 'YALE'
(3) LOCKING POINTS ENGAGING AT INACTIVE LEAF AT STRIKE PLATE
1/2" DIA. THROW BOLT (1) AT TOP ENGAGING FRAME HEAD
AND (1) AT BOTTOM ENGAGING FRAME SILL
THROW BOLTS ATTACHED TO LOCK BY 3/8" CONNECTING RODS
LOCK HANDLE LOCATED AT 42-1/2" FROM BOTTOM

INACTIVE LEAF:

CONCEALED FLUSH BOLTS
1/2" X 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE
OF LEAF STILE LOCATED AT 10-5/8" FROM TOP AND BOTTOM
LOCK FASTENED TO STILE WITH (2) #8-32 X 1/2" FH MS



OPTION #3:

MAX. LEAF HEIGHT = 107-1/2 IN.
MAX. LEAF WIDTH = 45-3/4 IN.
MAX. DESIGN LOAD = + 55.0
- 55.0 PSF

MAX. LEAF HEIGHT = 93-1/2 IN.
MAX. LEAF WIDTH = 37-1/8 IN.
MAX. DESIGN LOAD = + 75.0
- 80.0 PSF

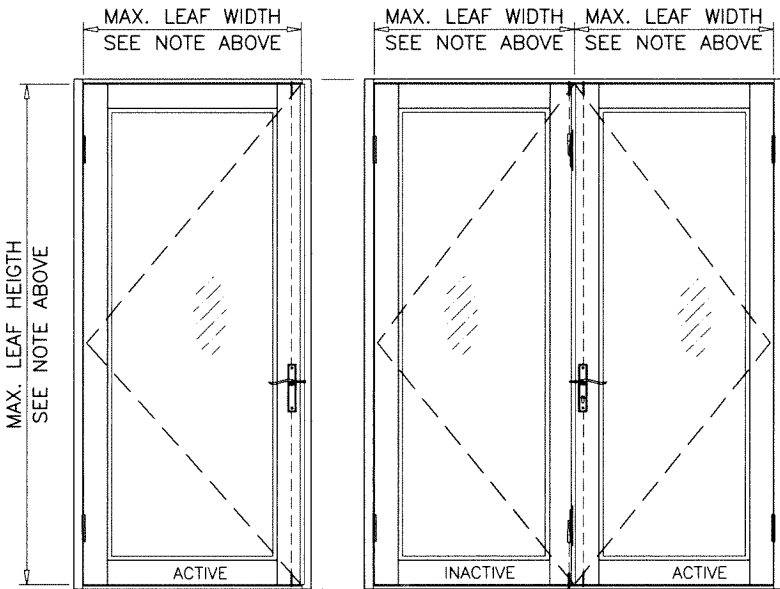
MAX. LEAF HEIGHT = 81-1/2 IN.
MAX. LEAF WIDTH = 45-3/4 IN.
MAX. DESIGN LOAD = + 67.0
- 72.0 PSF

ACTIVE LEAF:

3 POINT LOCK ASSEMBLY 'BY 'YALE'
(1) LOCKING POINT ENGAGING AT INACTIVE LEAF AT STRIKE PLATE
1/2" DIA. THROW BOLT (1) AT TOP ENGAGING FRAME HEAD
AND (1) AT BOTTOM ENGAGING FRAME SILL
THROW BOLTS ATTACHED TO LOCK BY 3/8" CONNECTING RODS
LOCK HANDLE LOCATED AT 42-1/2" FROM BOTTOM

INACTIVE LEAF:

CONCEALED FLUSH BOLTS
1/2" X 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE
OF LEAF STILE LOCATED AT 10-5/8" FROM TOP AND BOTTOM
LOCK FASTENED TO STILE WITH (2) #8-32 X 1/2" FH MS



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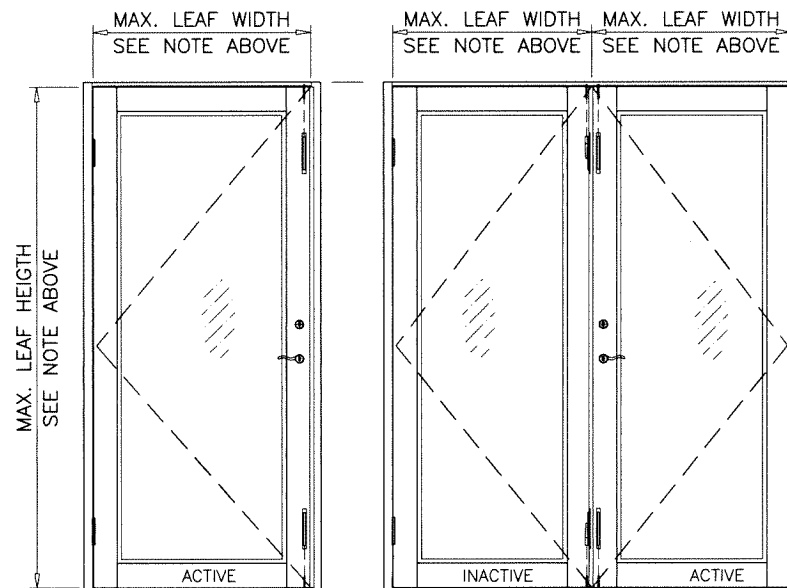
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MAX. LEAF HEIGHT = 81-1/2 IN.
MAX. LEAF WIDTH = 45-3/4 IN.
MAX. DESIGN LOAD = + 67.0
- 72.0 PSF

CONVENTIONAL DOOR LOCKSET WITH HANDLE BY 'SCHLAGE/KWIKSET'
LOCATED AT 39-1/4" FROM BOTTOM
KEY OPERATED ON EXTERIOR AND THUMB TURN ON
INTERIOR THROW BOLT LOCATED AT 37-3/4" FROM BOTTOM

CONCEALED FLUSH BOLTS
1/2" X 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON STILE FACE
LOCATED AT 10-5/8" FROM TOP AND BOTTOM
LOCK FASTENED TO STILE WITH (2) #8-32 X 1/2" FH MS

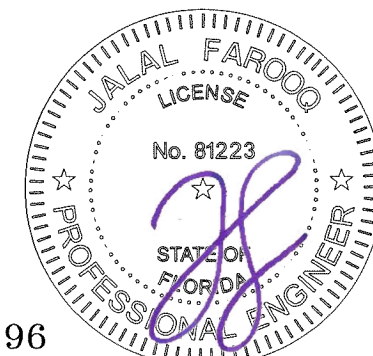
CONCEALED FLUSH BOLTS
1/2" X 2" THROW BOLTS ENGAGING FRAME AT HEAD AND SILL
MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE
OF LEAF STILE LOCATED AT 10-5/8" FROM TOP AND BOTTOM
LOCK FASTENED TO STILE WITH (2) #8-32 X 1 1/2" FH MS



.122" THK. EXTRUDED ALUM HINGE BY 'LAPORTE'
2 HINGES PER LEAF FOR DOORS UPTO 96" HEIGHTS
3 HINGES PER LEAF FOR DOORS ABOVE 96" HEIGHTS
BOTTOM HINGE AT 7-1/2" FROM BOTTOM
TOP HINGE AT 8-1/2" FROM TOP
CENTER HINGE AT MIDSPAN (FOR DOORS ABOVE 96" HEIGHT)
HINGES FASTENED WITH #10 X 3/4" FH SMS
(4) SCREWS AT HINGE STILE
(4) SCREWS AT FRAME JAMB

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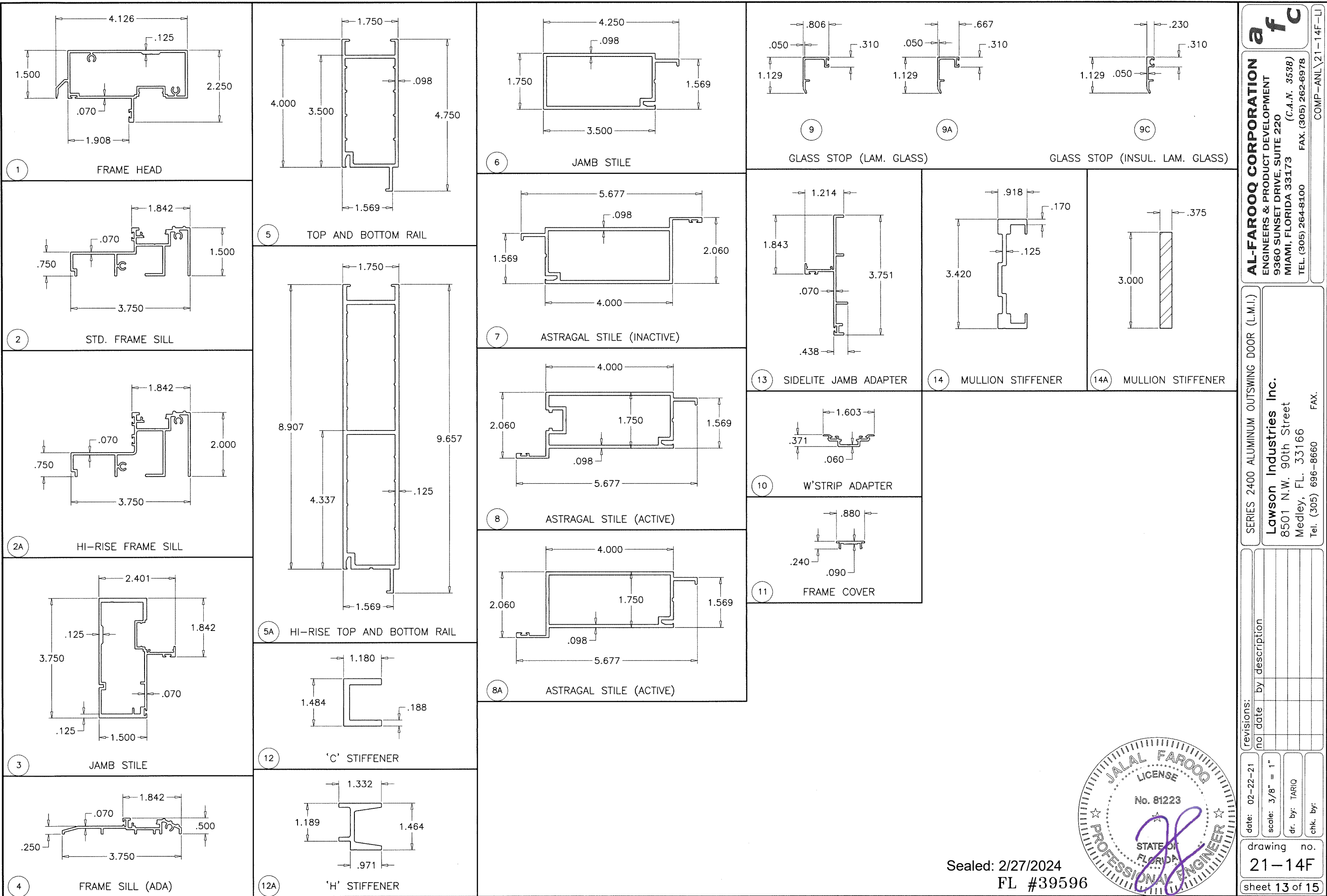
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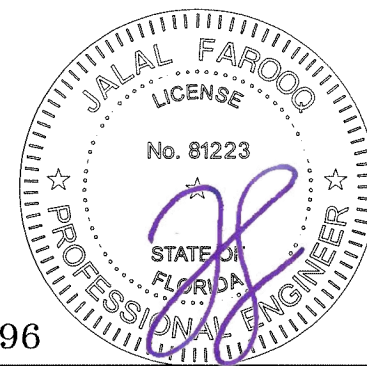
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ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	LAW-2401	1	FRAME HEAD	6063-T6	-
2	LAW-2402	1	STD. FRAME SILL (1-1/2" HT.)	6063-T6	-
2A	LAW-2403	1	HI-RISE FRAME SILL (2" HT.)	6063-T6	-
3	LAW-2421	1	FRAME SILL (ADA)	6063-T6	-
4	LAW-2404	2	FRAME JAMB	6063-T6	-
5	LAW-2406	2/ LEAF	TOP AND BOTTOM RAIL	6063-T6	-
5A	LAW-2407	2/ LEAF	HI-RISE TOP AND BOTTOM RAIL	6063-T6	-
6	LAW-2408	1/ LEAF	JAMB STILE	6063-T6	-
7	LAW-2410	1	ASTRAGAL STILE (INACTIVE)	6063-T6	-
8	LAW-2411	1	ASTRAGAL STILE (ACTIVE) (EURO LOCK)	6063-T6	-
8A	LAW-2409	1	ASTRAGAL STILE (ACTIVE)	6063-T6	-
9	LAW-2412	4/ LEAF	GLASS STOP (5/16" LAM. GLASS)	6063-T6	-
9A	LAW-2413	4/ LEAF	GLASS STOP (7/16" LAM. GLASS)	6063-T6	-
9C	LAW-2415	4/ LEAF	GLASS STOP (7/8" INSUL. LAM. GLASS)	6063-T6	-
10	LAW-2425	2/ LEAF	W'STRIP ADAPTER	6063-T5	-
11	LAW-2418	AS REQD.	FRAME COVER	6063-T6	-
12	LAW-2424	AS REQD.	'C' STIFFENER, 29" LONG	6063-T6	-
12A	LAW-2425	AS REQD.	'H' STIFFENER, 60" LONG	6063-T6	-
13	LAW-2405	AS REQD.	SIDELITE JAMB ADAPTER	6063-T6	-
13A	#10 X 1"	AS REQD.	ADAPTER FASTENERS, AT 6" FROM ENDS & 12" O.C.	ST/ST	PH SMS
14	LAW-2423	AS REQD.	MULLION STIFFENER	6063-T6	-
14A	-	AS REQD.	MULLION STIFFENER	STEEL	A36, Fu MIN. = 56 KSI
M1	-	AS REQD.	GLAZING GASKET	SILICONE	DUROMETER 65±5 SHORE A
M2	-	2/ LITE	SETTING BLOCKS AT 1/4 POINTS	SILICONE	DUROMETER 80±5 SHORE A
M3	-	AS REQD.	Q-LON FLAP W'STRIPPING	-	-
M4	150	AS REQD.	FRAME PERIMETER PILE W'STRIPPING	POLYPROPYLENE	-
M5	210	AS REQD.	PILE W'STRIPPING	WOOL	-
M6	-	AS REQD.	HINGE ASSEMBLY	-	HAGER
M6A	#10 X 3/4"	8/ HINGE	HINGE FASTENERS	ST/ST	FH SMS
M7	#12 X 3/4"	AS REQD.	FRAME ASSEMBLY FASTENERS	ST/ST	PH SMS
M8	#10 X 1"	AS REQD.	FIX. PANEL FASTENERS, AT 6" FROM ENDS & 12" O.C.	ST/ST	PH SMS
M9	-	2/ LEAF	3/8" DIA. THREADED ROD	STEEL	-
-	-	-	-	-	-

SEALANTS:

ALL FRAME AND LEAF JOINTS AND SEAMS SEALED
WITH SM 5504 SEALANT.



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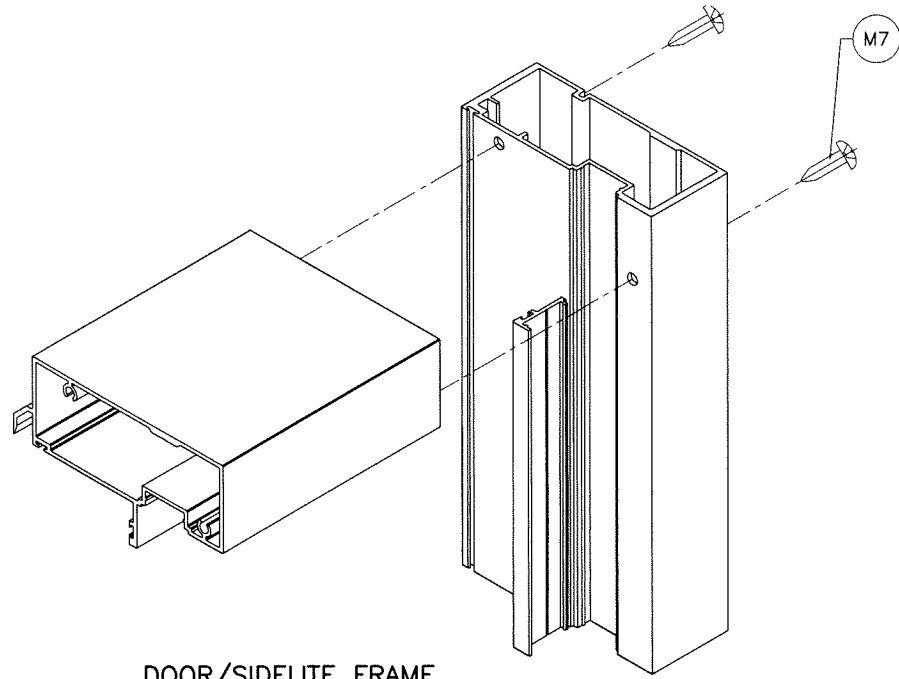
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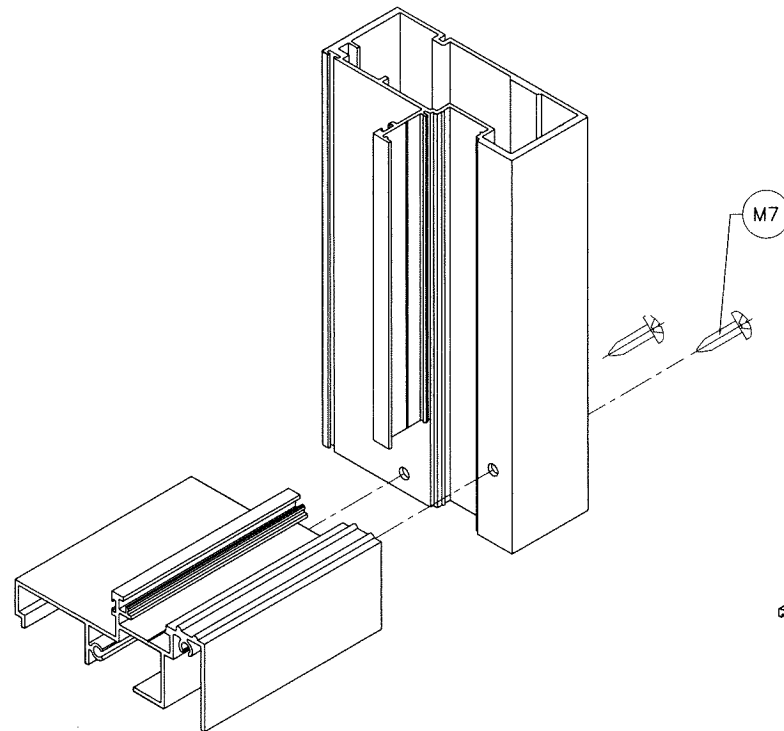
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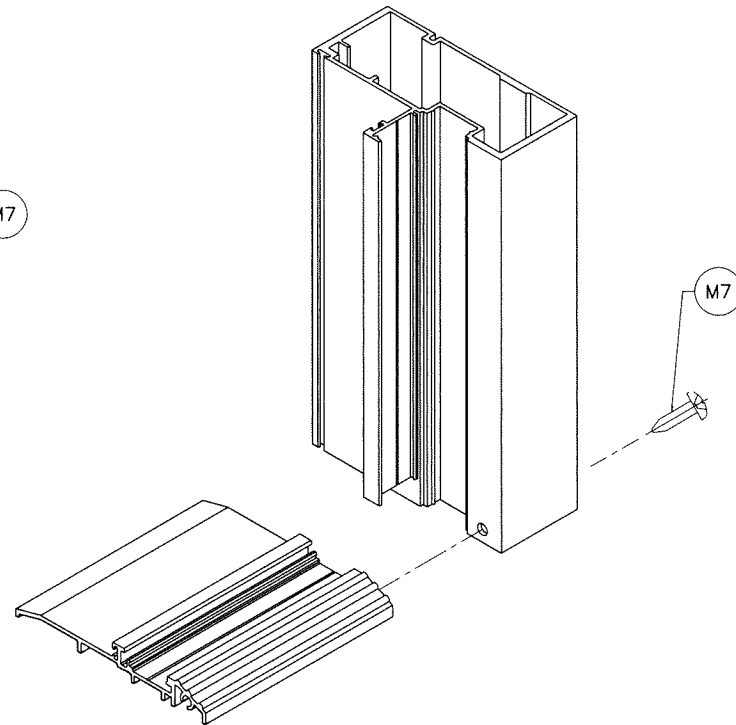
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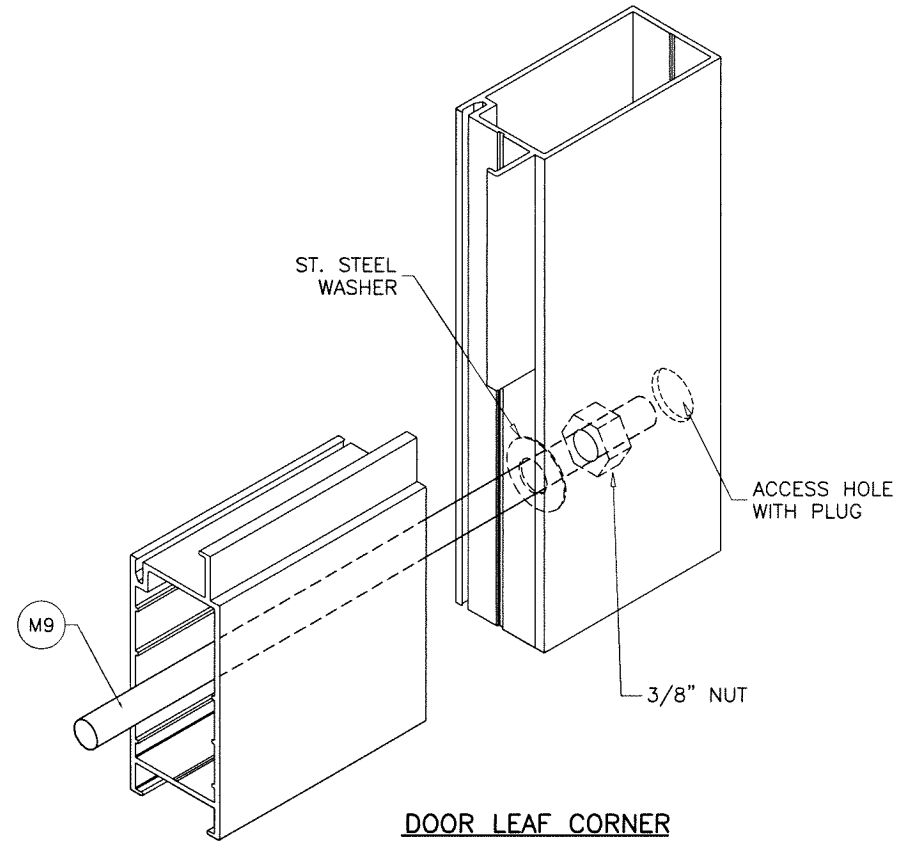
DOOR/SIDELITE FRAME
TOP CORNER



DOOR/SIDELITE FRAME
BOTTOM CORNER



DOOR/SIDELITE FRAME
BOTTOM CORNER



DOOR LEAF CORNER
SIDELITE PANEL CORNER



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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

a f c

COMP-ANL 21-14F-LI

SERIES 2400 ALUMINUM OUTSWING DOOR (L.M.I.)

Lawson Industries Inc.
8501 N.W. 90th Street
Medley, FL. 33166
Tel. (305) 696-8660 FAX.

date: 02-22-21

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

no	date	by description

drawing no.

21-14F

sheet 15 of 15