

(X) (O) (XX) (XO) (OX) (OXO) (XOX) (OXX) (XXO) (OXXO)

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 7600
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)/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.

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.

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.

LARGE MISSILE IMPACT
LAMINATED GLASS
INSUL. LAM. GLASS

Sealed: 9/2/2026

FL #46976

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.

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

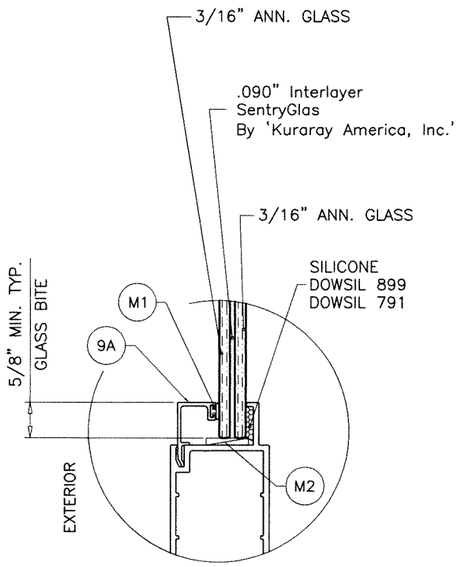
SERIES 7600 ALUMINUM OUTSWING DOOR (L.M.I.)

Custom Window Systems Inc.
1900 S.W. 44th Avenue
Ocala, FL. 34474
Tel. (352) 368-6922 www.cws.cc

revisions:			
no	date	by	description
C	01.24.24		LOCK OPTION 3 REV.
D	08.08.24		MANUF. NAME REV.
E	10.18.24		RADISSON LOCKS ADDED
F	09.01.26		UPDATED TO 2026 FBC

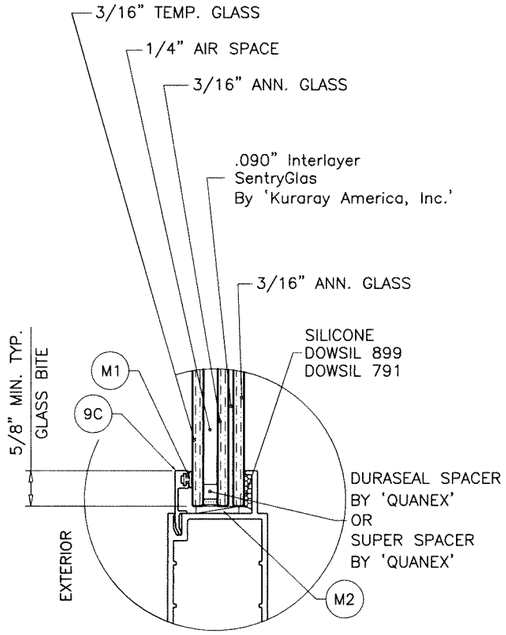
date: 02-22-21 | scale: - | dr. by: TARIQ | chk. by:

drawing no. 21-14F



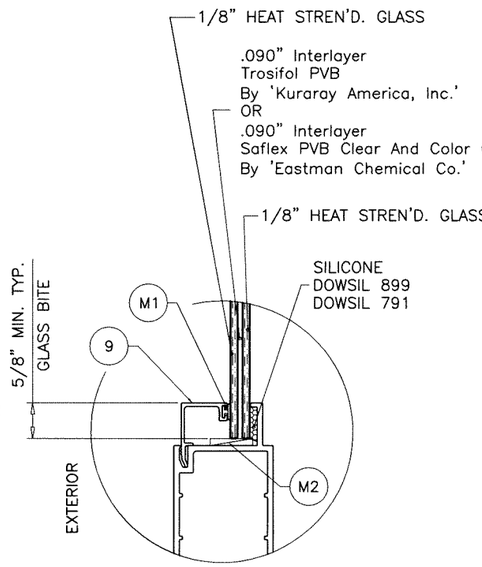
GLASS TYPE 'A'

7/16" OVERALL LAM. GLASS



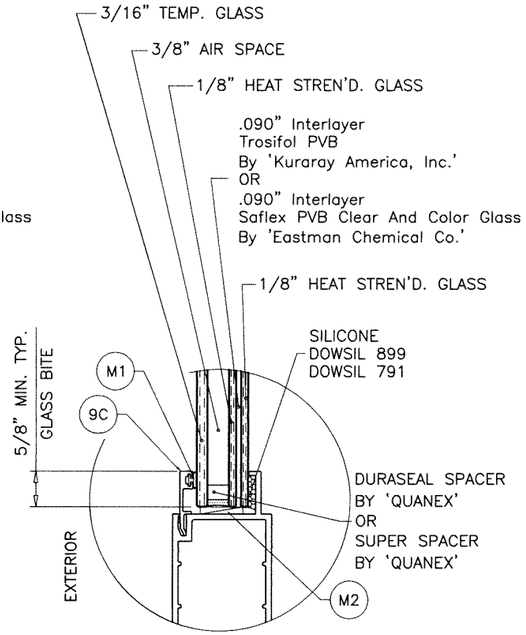
GLASS TYPE 'Ai'

7/8" OVERALL INSUL. LAM. GLASS



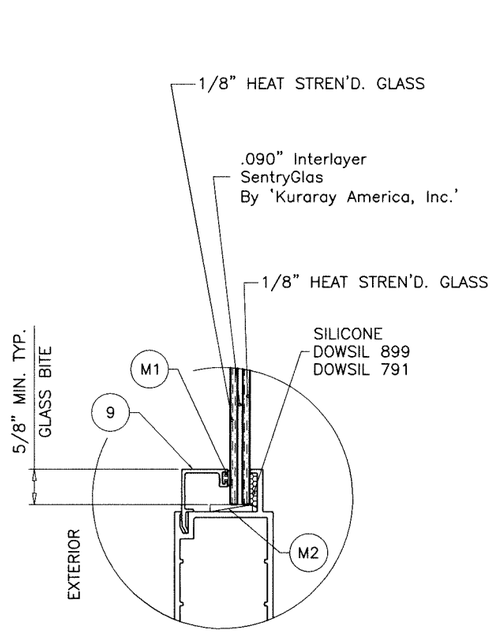
GLASS TYPE 'D'

5/16" OVERALL LAM. GLASS



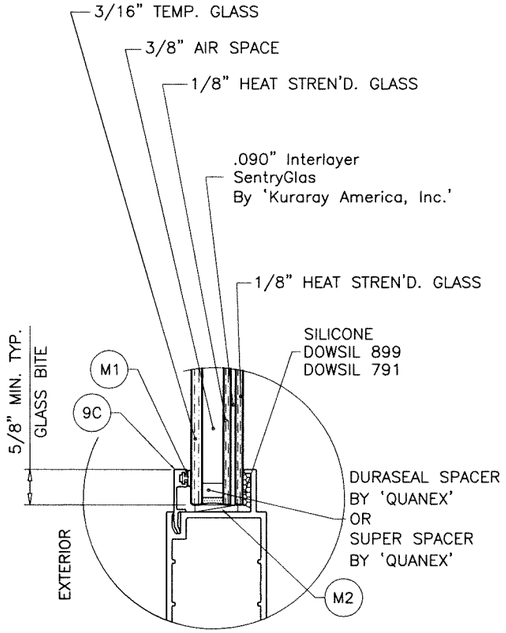
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7/8" OVERALL INSUL. LAM. GLASS



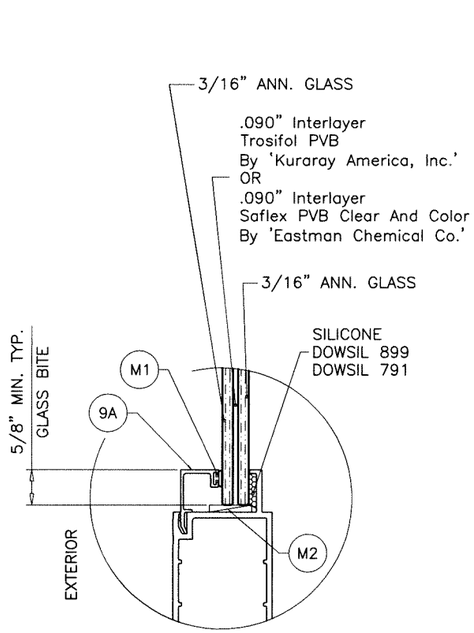
GLASS TYPE 'E'

5/16" OVERALL LAM. GLASS



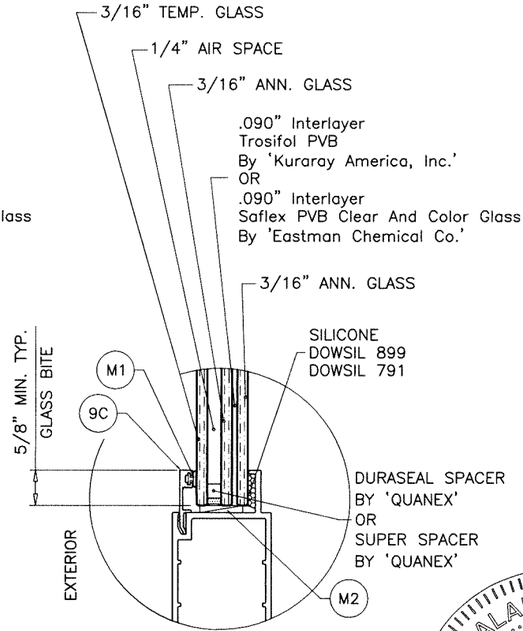
GLASS TYPE 'Ei'

3/4" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'F'

7/16" OVERALL LAM. GLASS



GLASS TYPE 'Fi'

7/8" OVERALL INSUL. LAM. GLASS

Sealed: 9/2/2026

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STATE OF FLORIDA
PROFESSIONAL ENGINEER

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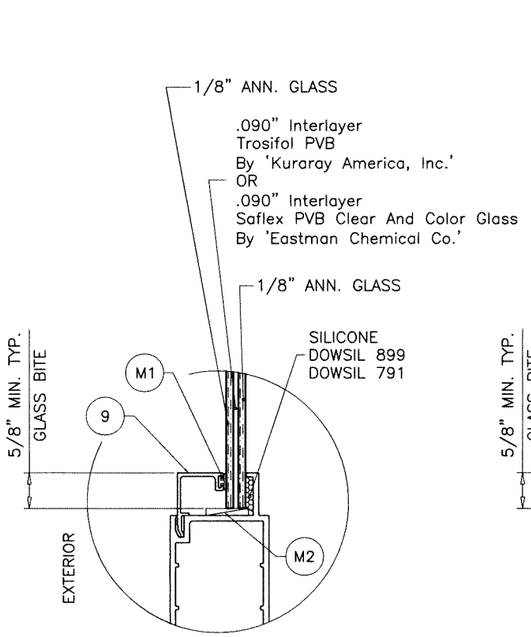
SERIES 7600 ALUMINUM OUTSWING DOOR (L.M.I.)

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revisions:			
no	date	by	description

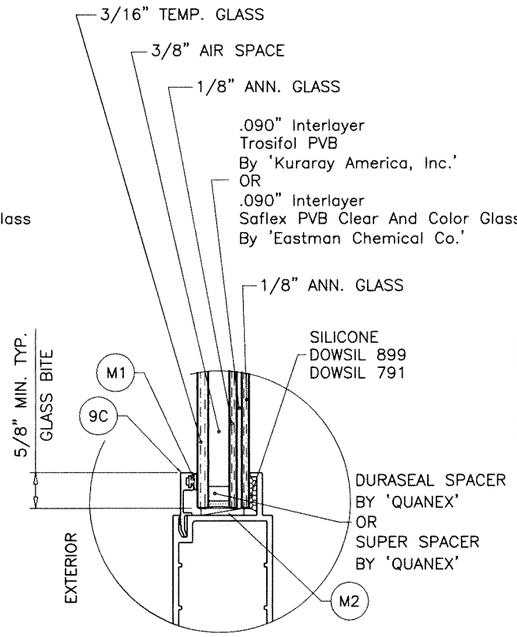
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dr. by: TARIQ
chk. by:

drawing no. 21-14F



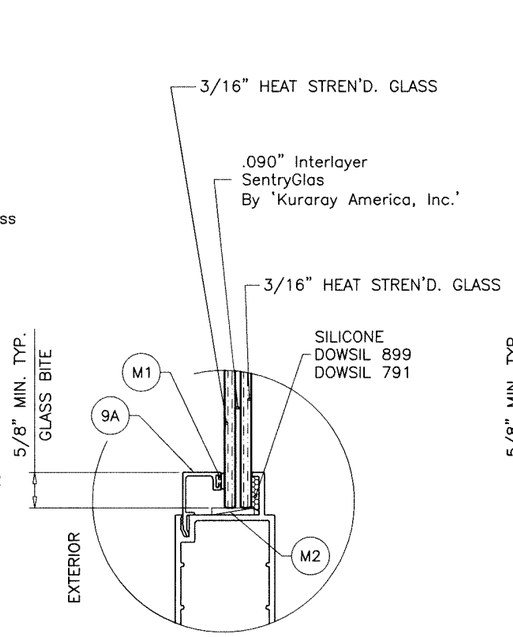
GLASS TYPE 'G'

5/16" OVERALL LAM. GLASS



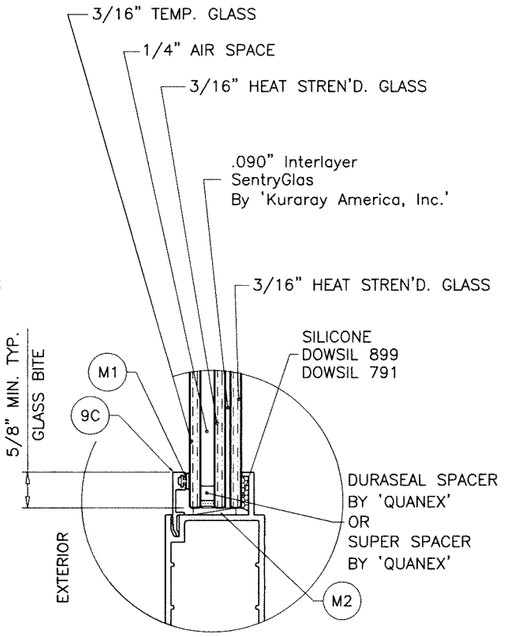
GLASS TYPE 'Gi'

7/8" OVERALL INSUL. LAM. GLASS



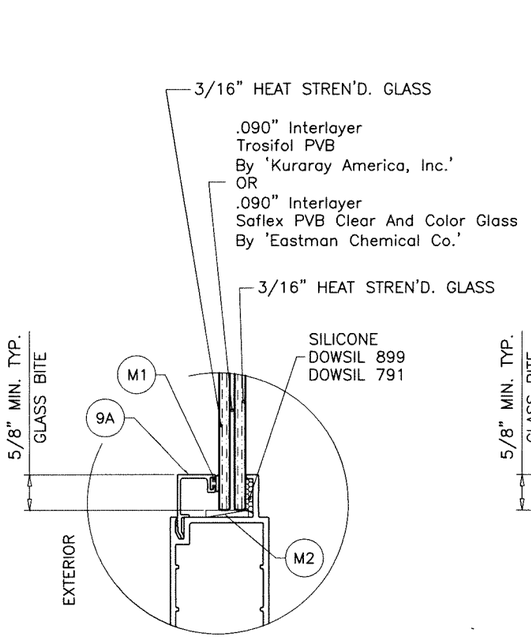
GLASS TYPE 'H'

7/16" OVERALL LAM. GLASS



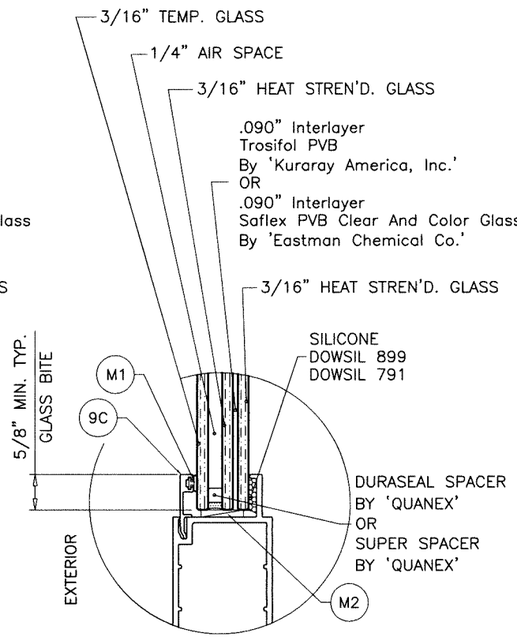
GLASS TYPE 'Hi'

7/8" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'K'

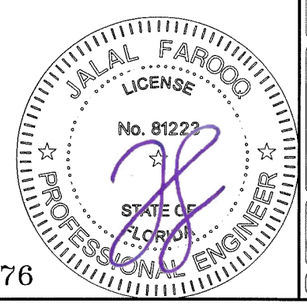
7/16" OVERALL LAM. GLASS



GLASS TYPE 'Ki'

7/8" OVERALL INSUL. LAM. GLASS

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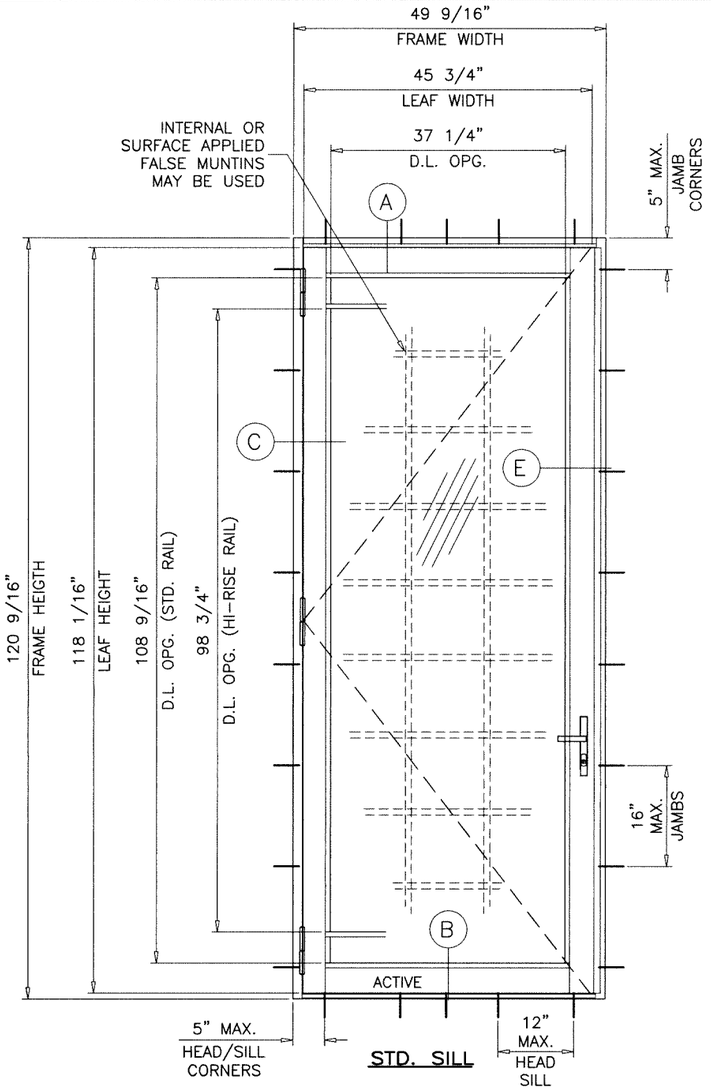
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revisions:		
no	date	by description

date:	scale:	dr. by:	chk. by:
02-22-21	3/8" = 1"	TARIQ	

drawing no. 21-14F



STD. SILL

TYPICAL ELEVATION

(X)

SINGLE 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 TYPE 'G'		GLASS TYPE 'Gi'	
WIDTH	HEIGHT	WIDTH	HEIGHT		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 E1300–16 (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: 9/2/2026

FL #46976

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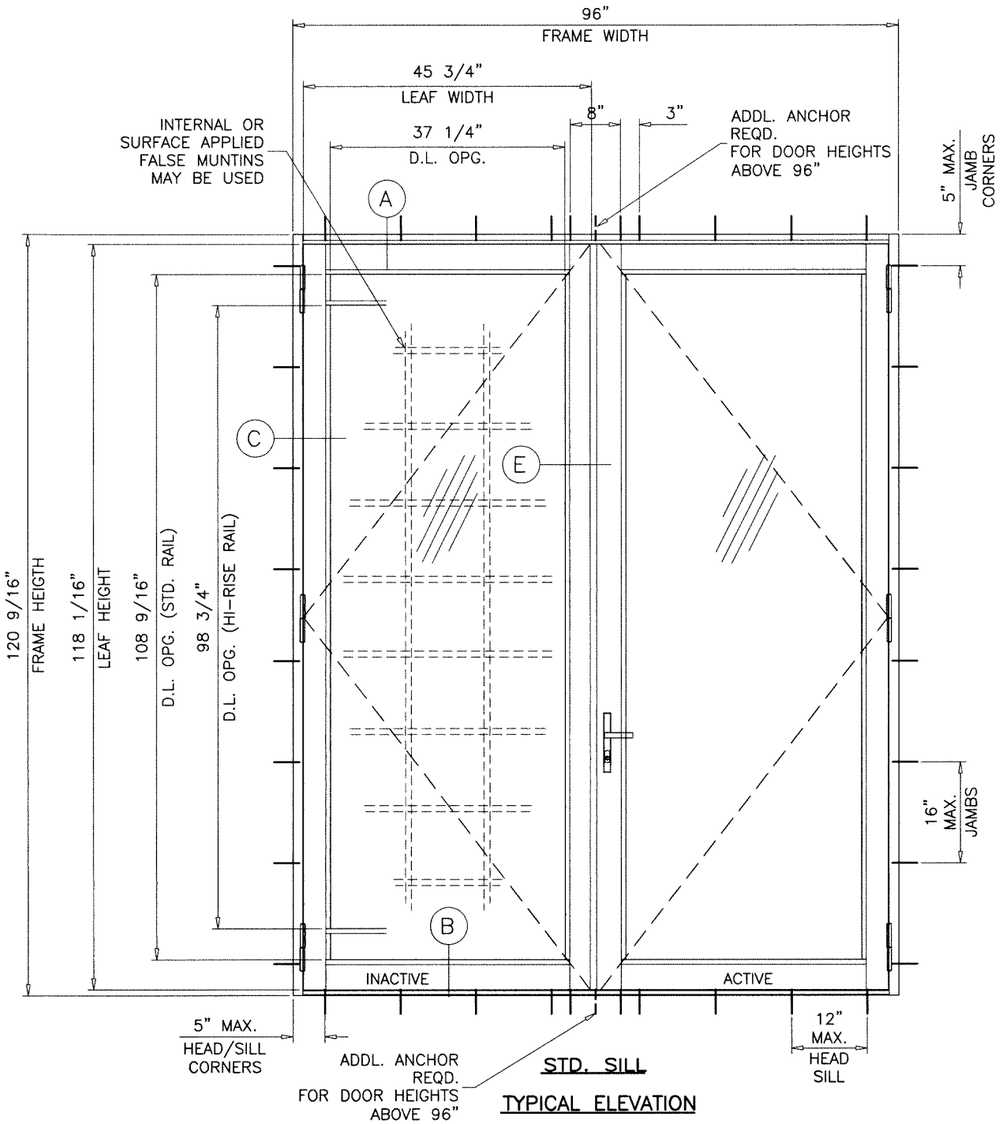
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revisions:			
no	date	by	description

date: 02–22–21
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dr. by: TARIQ
chk. by:

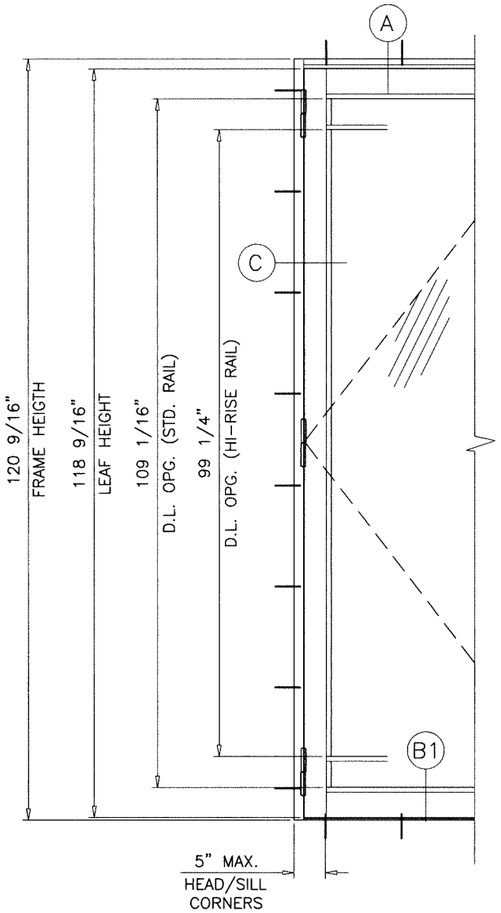
drawing no. 21–14F



STD. SILL

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'	
WIDTH	HEIGHT	WIDTH	HEIGHT		EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
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 E1300–16 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05–DEC–219

Sealed: 9/2/2026

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FL #46976

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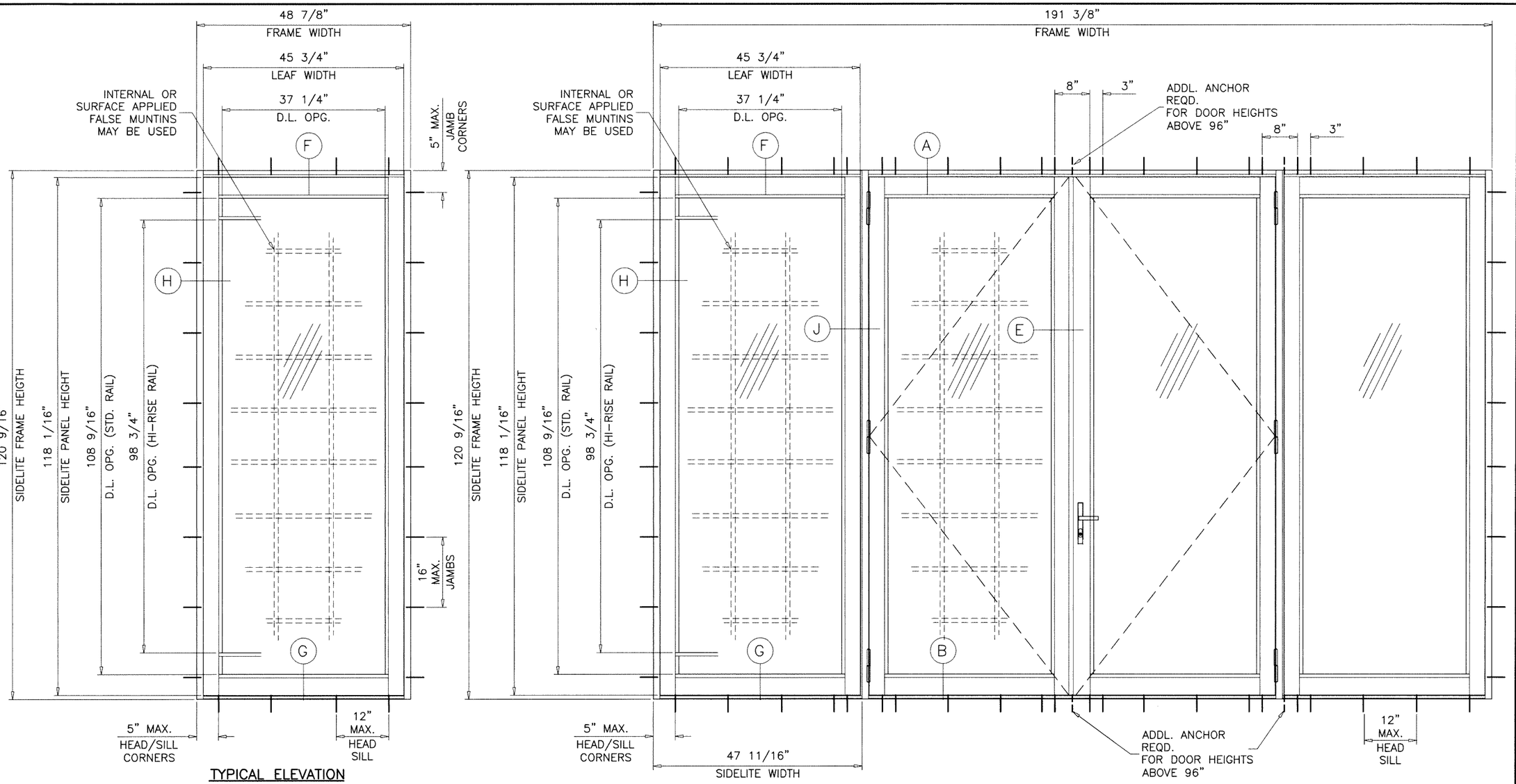
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dr. by: TARIQ
chk. by:

drawing no. 21–14F



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'	
WIDTH	HEIGHT	WIDTH	HEIGHT		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: 9/2/2026

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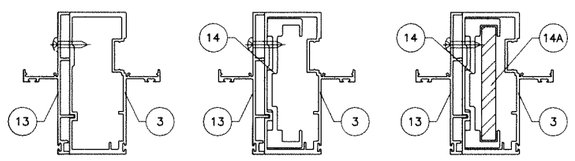
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chk. by:

drawing no. 21–14F

sheet 4 of 15

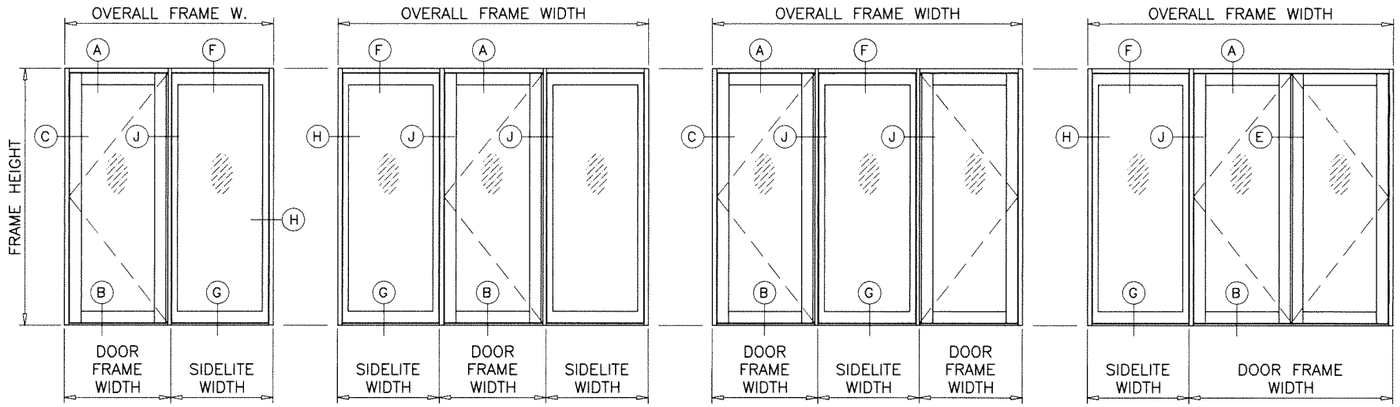
DESIGN LOAD CAPACITY – PSF
DOOR TO SIDELITE MULLION

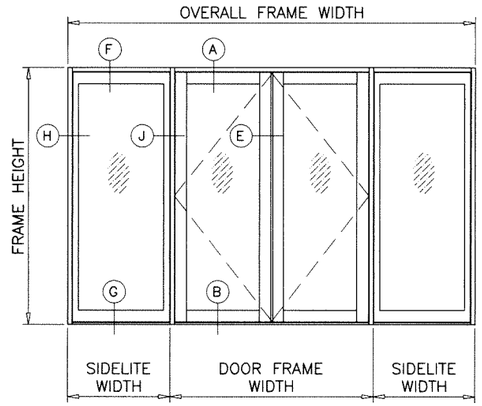
SIDELITE WIDTH INCHES	FRAME HEIGHT INCHES	MULL 'M1'		MULL 'M2'		MULL 'M3'	
		EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
24	80–9/16	75.0	80.0	75.0	80.0	75.0	80.0
30		75.0	80.0	75.0	80.0	75.0	80.0
36		75.0	77.2	75.0	80.0	75.0	80.0
42		71.4	71.4	75.0	80.0	75.0	80.0
47–11/16		66.6	66.6	75.0	80.0	75.0	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



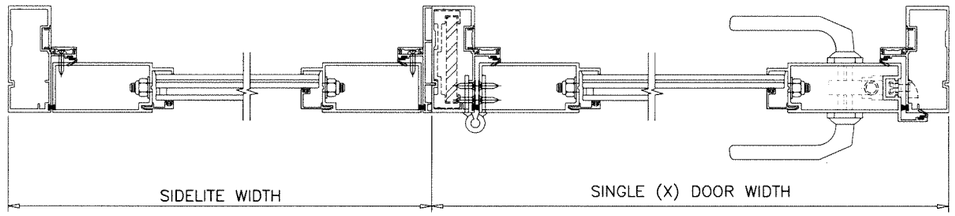
MULLION 'M1' MULLION 'M2' MULLION 'M3'

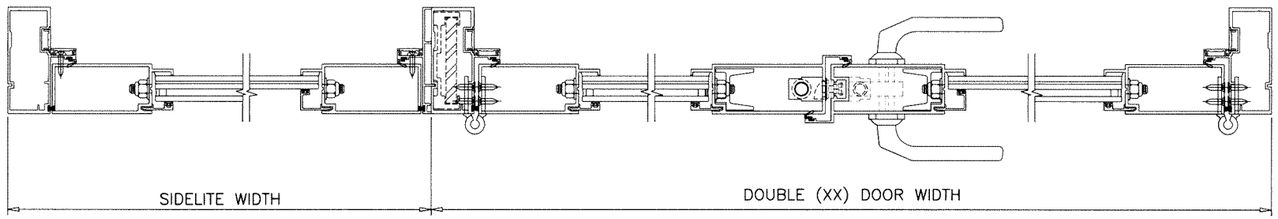
DOOR TO SIDELITE MULLION





APPROVED CONFIGURATIONS





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: 9/2/2026

FL #46976

JALAL FAROOQ LICENSE No. 81222 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

COMP-ANL\21-14F-LI

SERIES 7600 ALUMINUM OUTSWING DOOR (L.M.I.)

Custom Window Systems Inc.
1900 S.W. 44th Avenue
Ocala, FL. 34474
Tel. (352) 368-6922 www.cws.cc
CWS

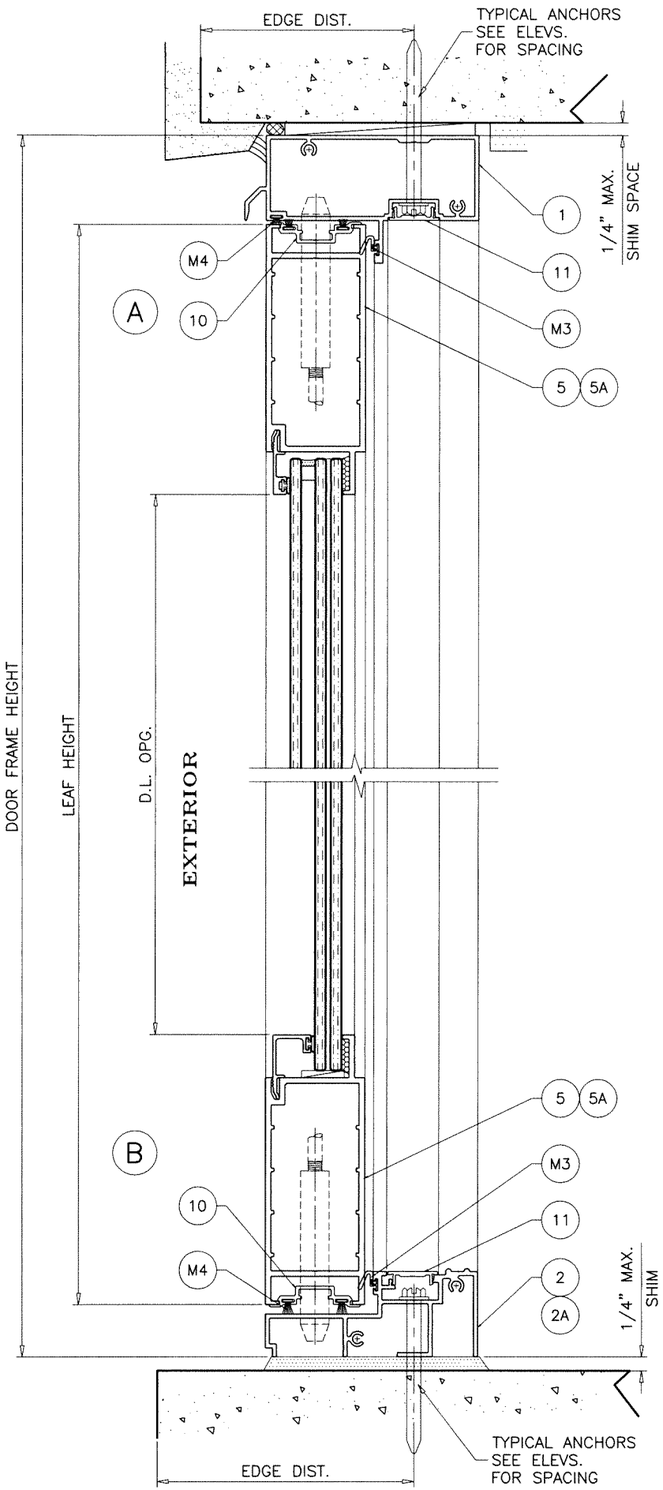
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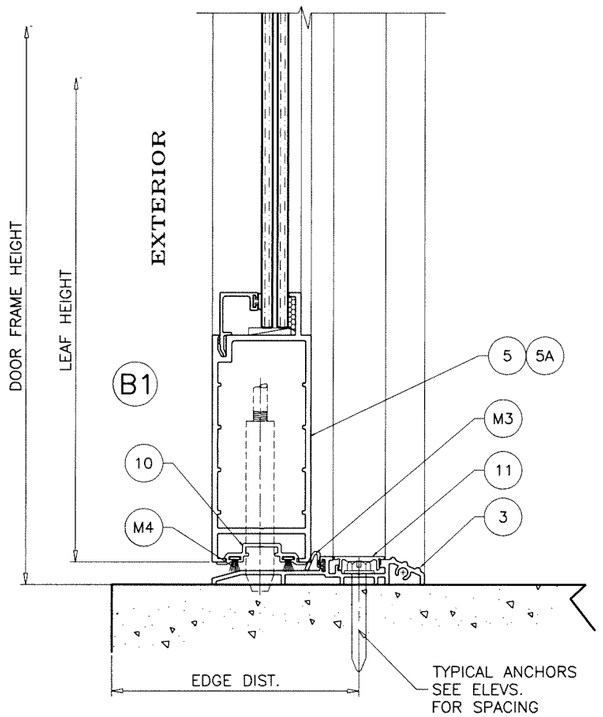
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sheet 5 of 15



STD. THRESHOLD

APPROVED FOR WATER INFILTRATION RESISTANCE



ADA THRESHOLD

NOT APPROVED FOR WATER INFILTRATION RESISTANCE

Sealed: 9/2/2026

DOOR DETAILS

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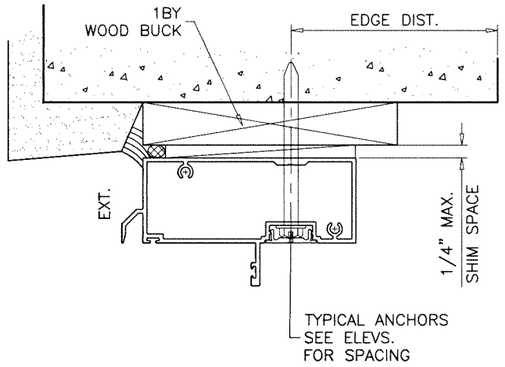
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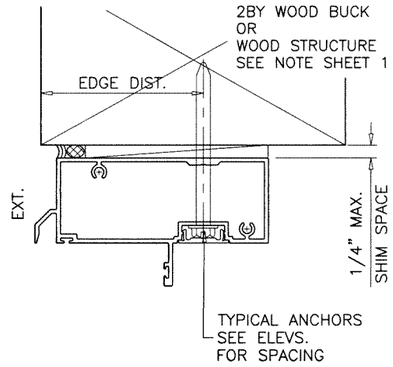
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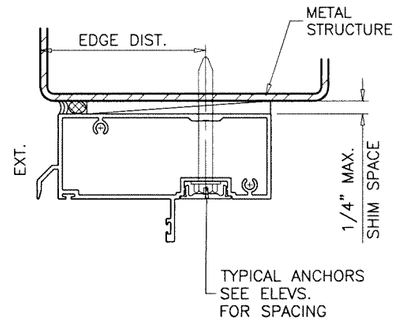
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chk. by:

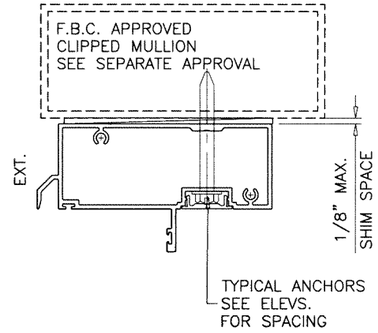
drawing no. 21-14F

sheet 6 of 15









WOOD BUCKS AND METAL STRUCTURE NOT BY 'CUSTOM WINDOW SYS.'
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.

Sealed: 9/2/2026

DOOR DETAILS

JALAL FAROOQ LICENSE No. 61223 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL #46976

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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

SERIES 7600 ALUMINUM OUTSWING DOOR (L.M.I.)

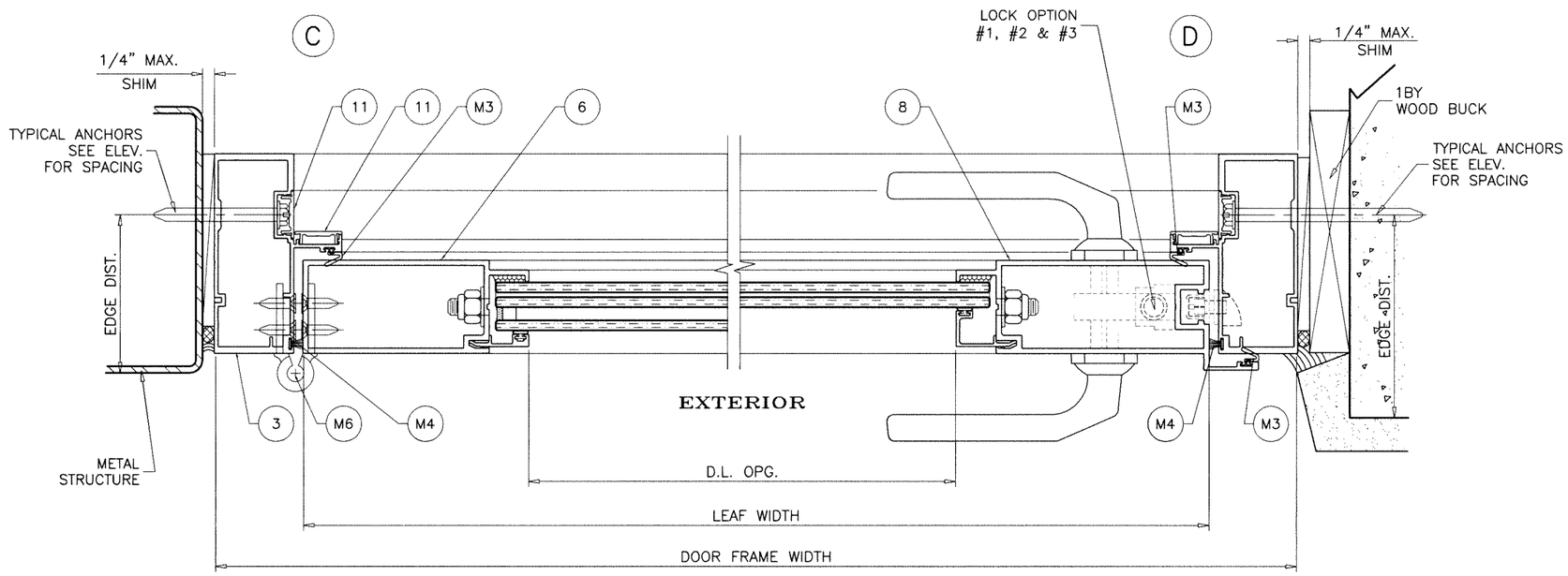
Custom Window Systems Inc.
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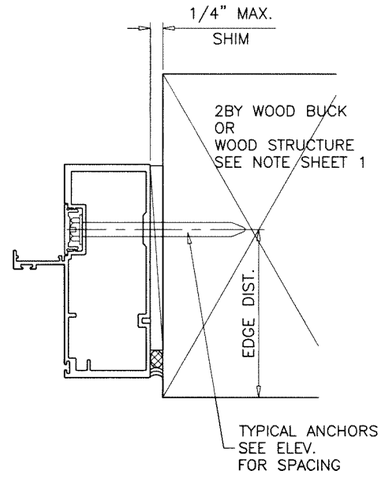
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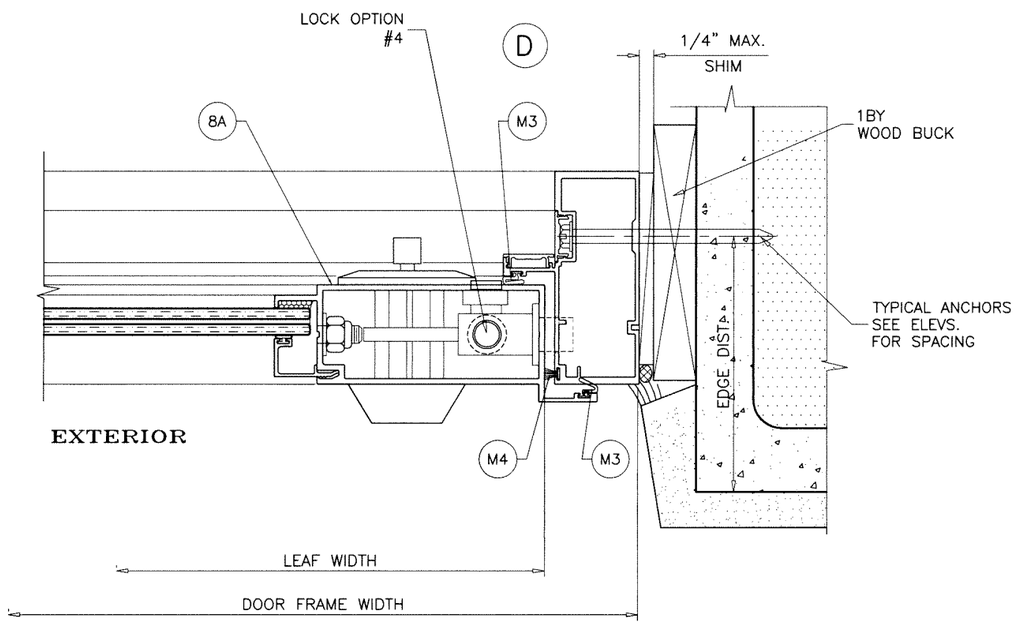
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dr. by: TARIQ
chk. by:

drawing no. 21-14F







DOOR DETAILS

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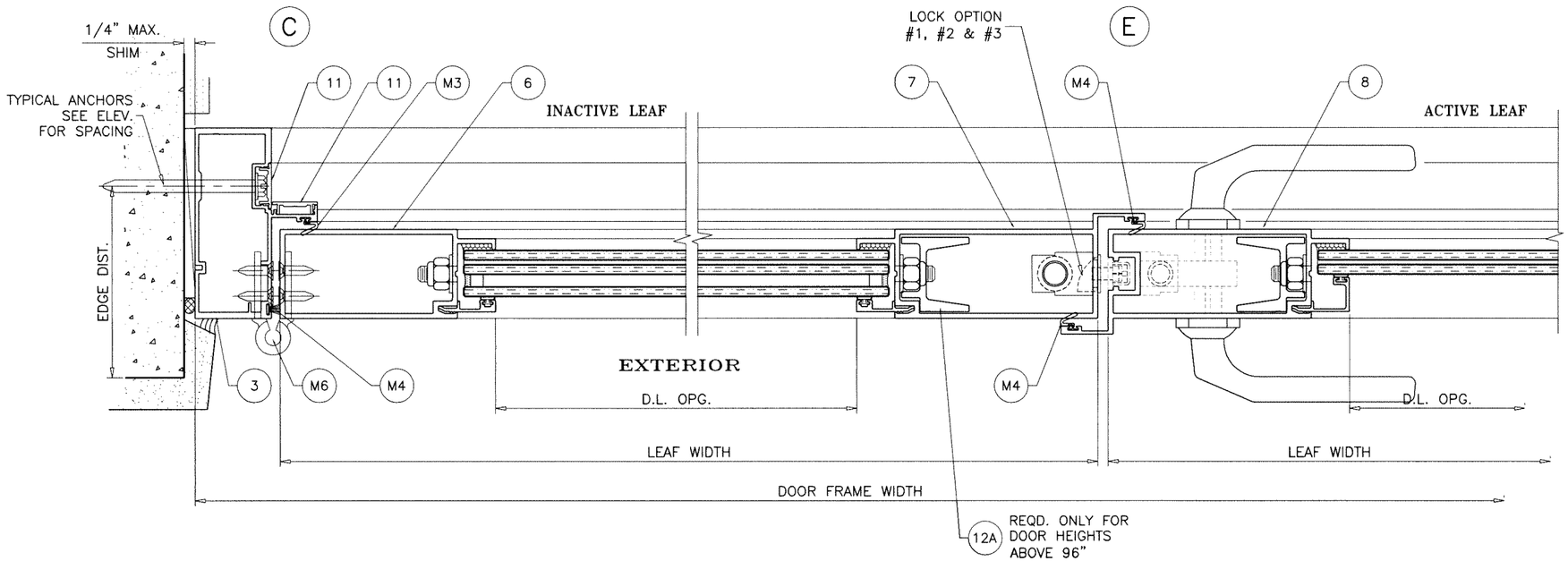
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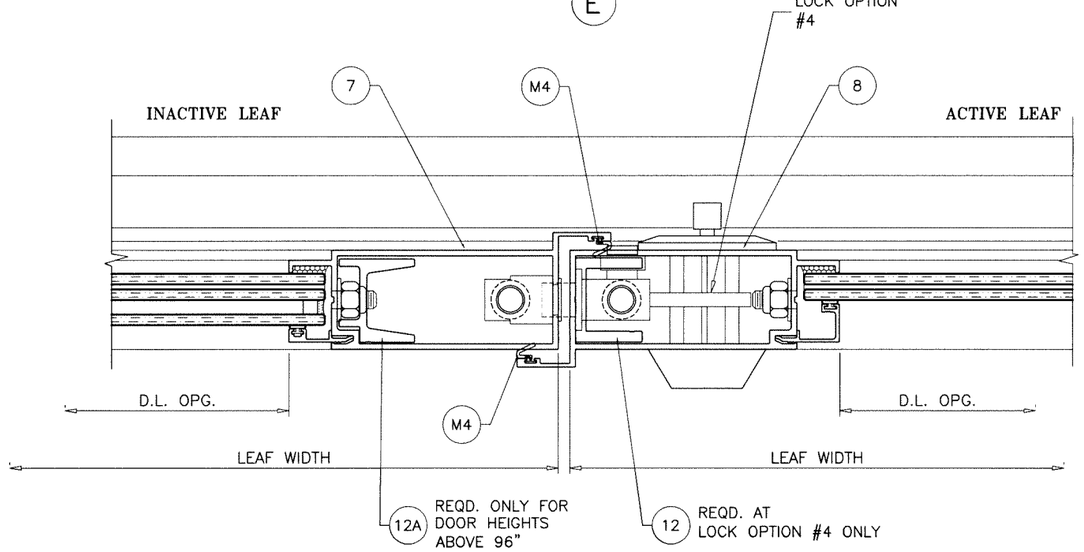
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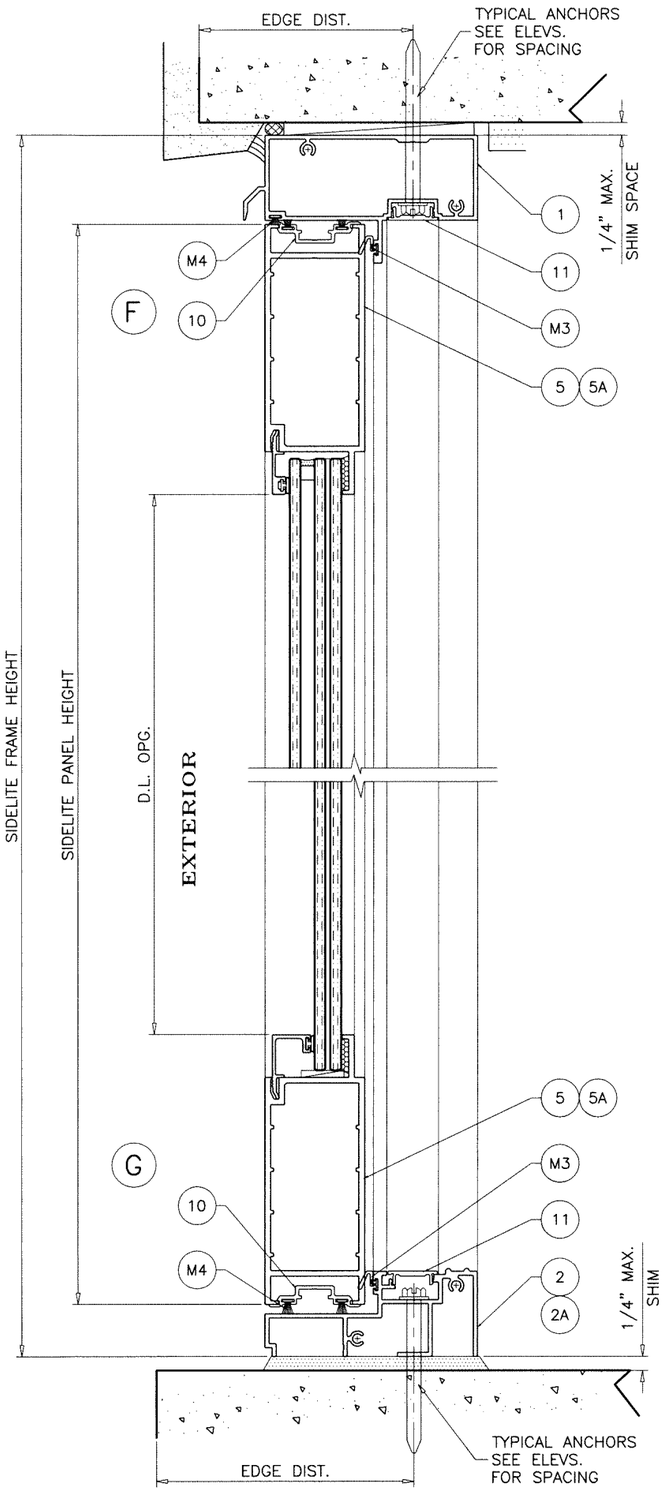
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CWS

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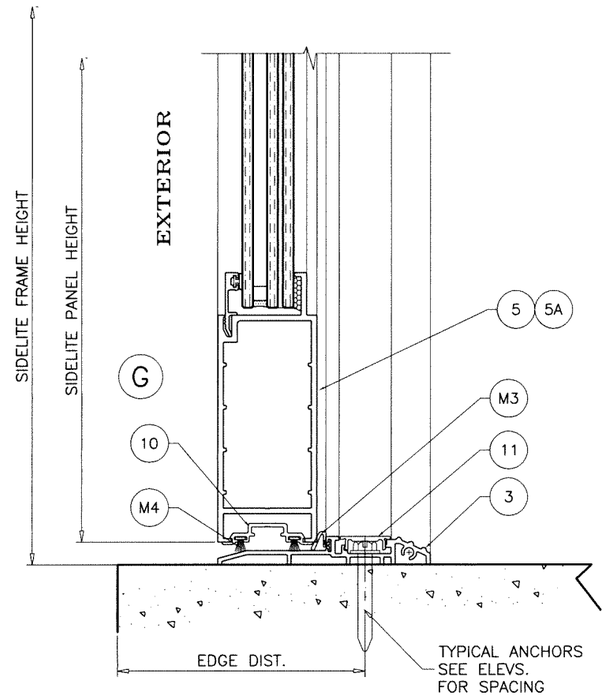
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STD. THRESHOLD

APPROVED FOR WATER INFILTRATION RESISTANCE



ADA THRESHOLD

NOT APPROVED FOR WATER INFILTRATION RESISTANCE

Sealed: 9/2/2026

SIDELITE DETAILS

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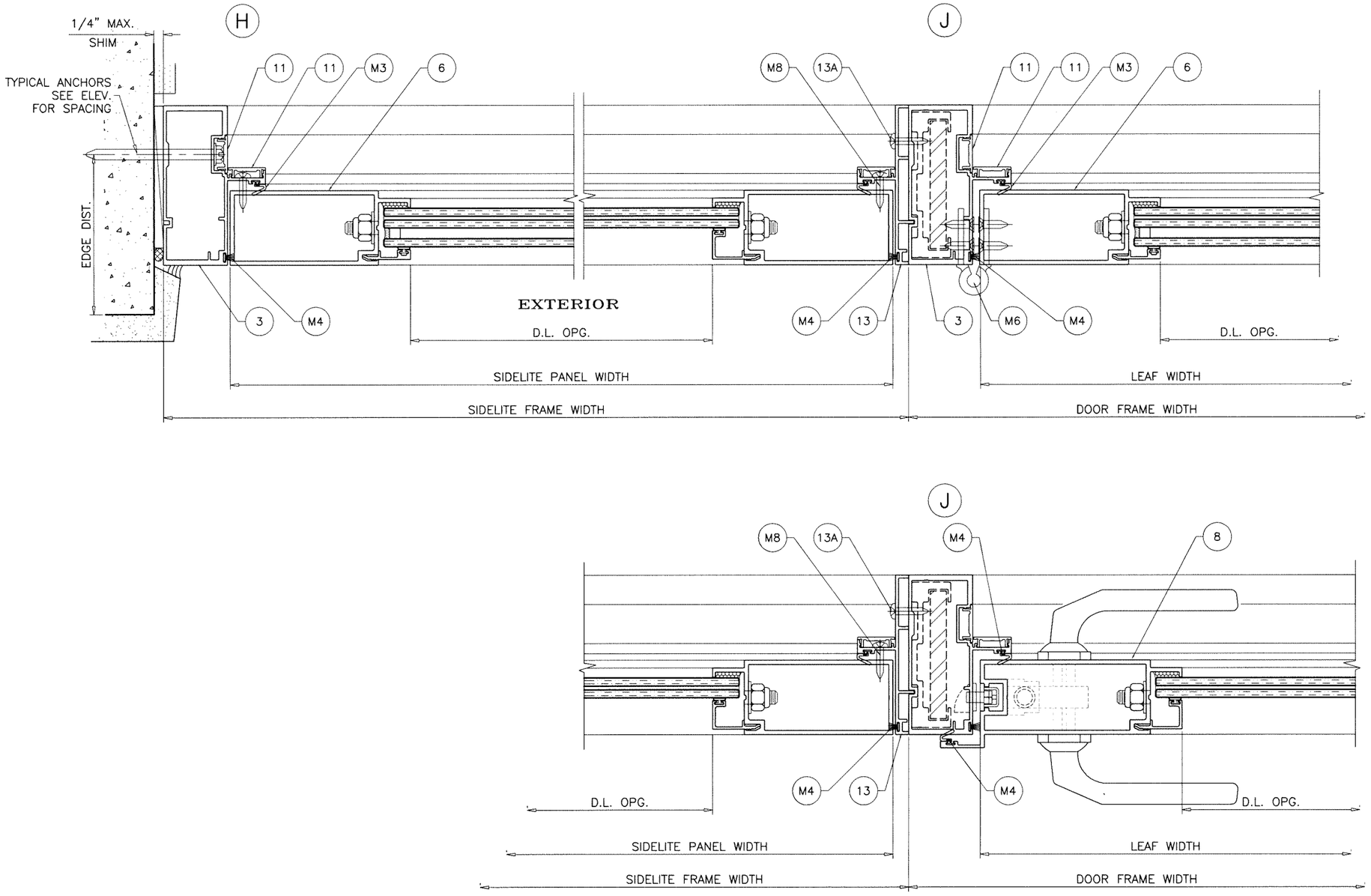
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chk. by:

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sheet 10 of 15



SIDELITE DETAILS

Sealed: 9/2/2026

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sheet 11 of 15

LOCKS:

OPTION #1:

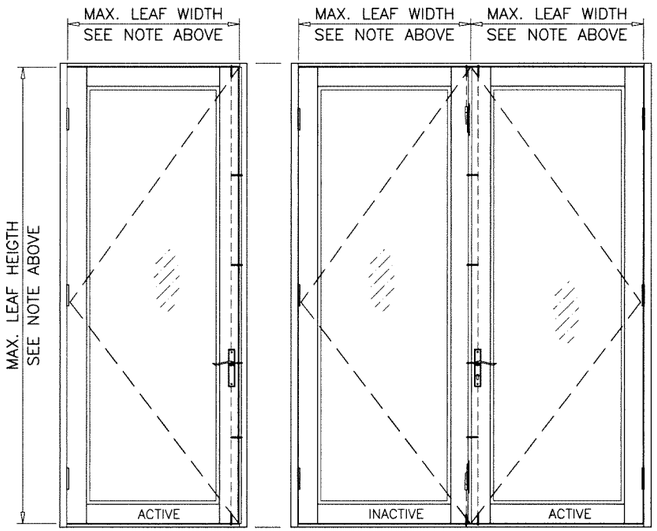
MAX. LEAF HEIGHT = 118–1/16 IN.
MAX. LEAF WIDTH = 45–3/4 IN.
MAX. DESIGN LOAD = + 55.0
– 55.0 PSF

ACTIVE LEAF:

6 POINT LOCK ASSEMBLY BY 'YALE' OR 'RADISSON INDUSTRIES'
(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

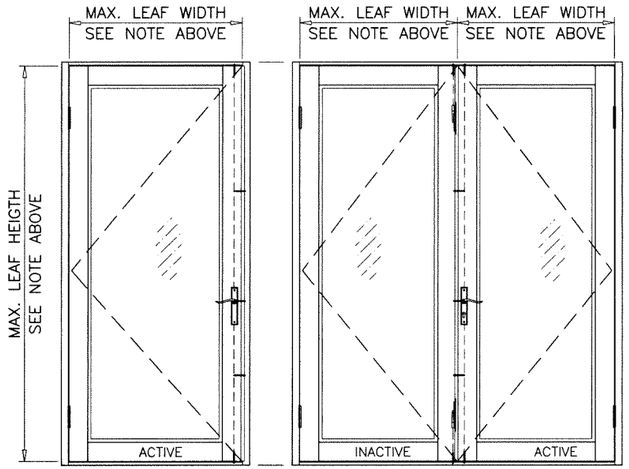
MAX. LEAF HEIGHT = 81–1/2 IN.
MAX. LEAF WIDTH = 45–3/4 IN.
MAX. DESIGN LOAD = + 67.0
– 72.0 PSF

ACTIVE LEAF:

5 POINT LOCK ASSEMBLY 'BY 'YALE' OR 'RADISSON INDUSTRIES'
(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

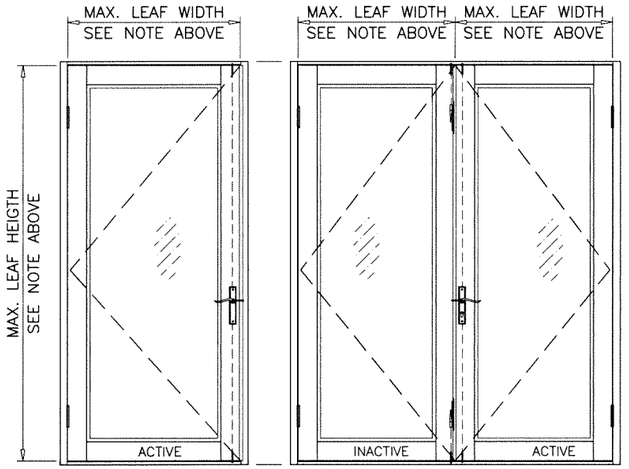
ACTIVE LEAF:

3 POINT LOCK ASSEMBLY 'BY 'YALE' OR 'RADISSON INDUSTRIES'
(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

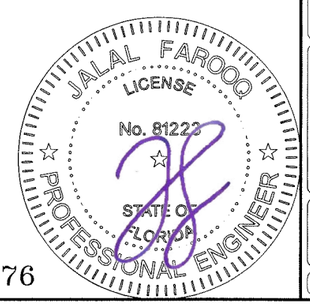
INACTIVE LEAF:

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

2 POINT EURO LOCK



Sealed: 9/2/2026



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chk. by:

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OPTION #4:

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 = 35–3/4 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

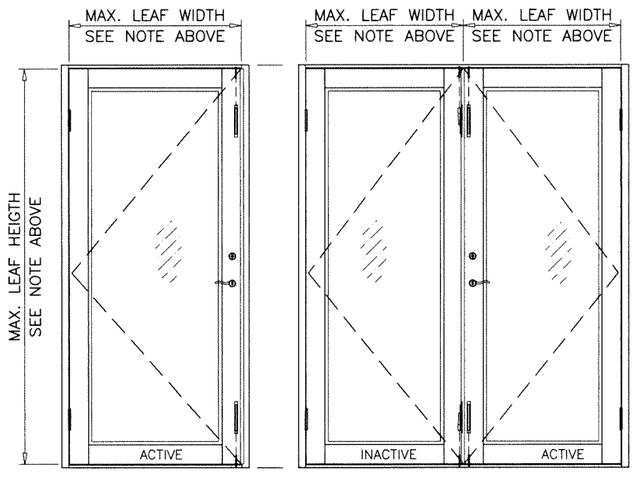
ACTIVE LEAF:

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

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



Sealed: 9/2/2026

HINGES:

.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

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL #46976

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

SERIES 7600 ALUMINUM OUTSWING DOOR (L.M.I.)

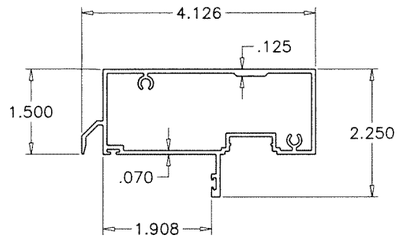
Custom Window Systems Inc.
1900 S.W. 44th Avenue
Ocala, FL. 34474
Tel. (352) 368–6922 www.cws.cc

revisions:

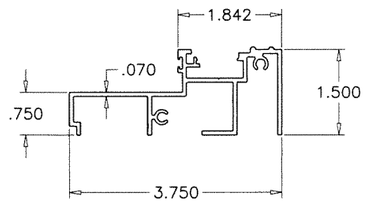
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chk. by:

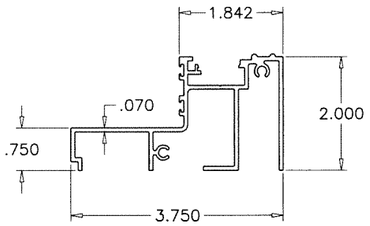
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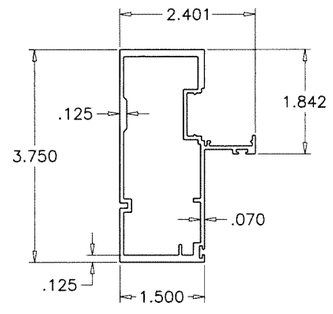
1 FRAME HEAD



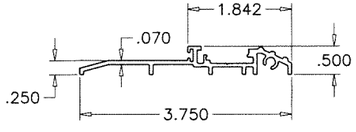
2 STD. FRAME SILL



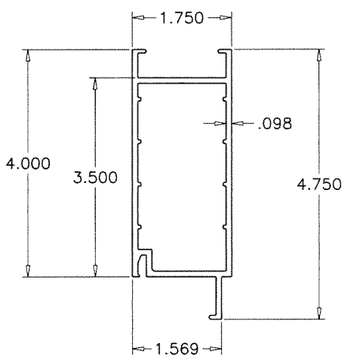
2A HI-RISE FRAME SILL



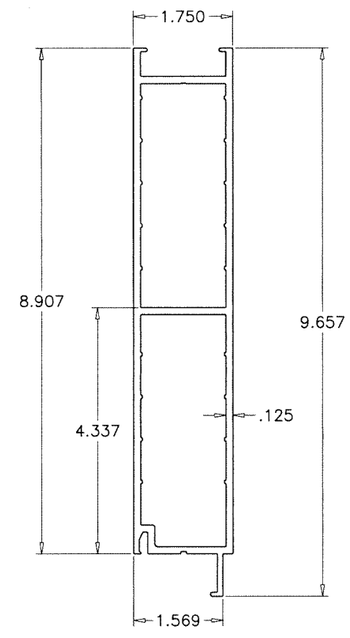
3 JAMB STILE



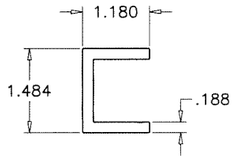
4 FRAME SILL (ADA)



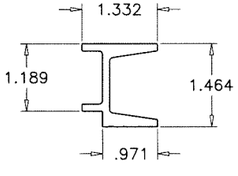
5 TOP AND BOTTOM RAIL



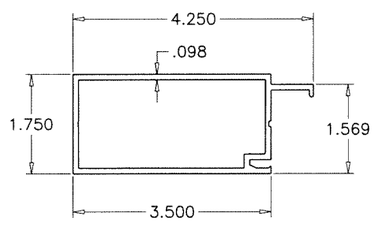
5A HI-RISE TOP AND BOTTOM RAIL



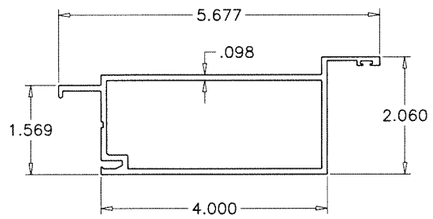
12 'C' STIFFENER



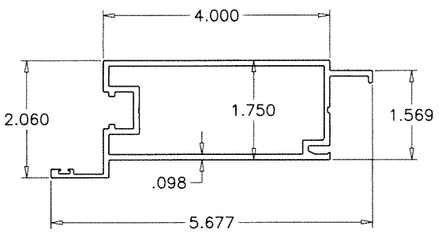
12A 'H' STIFFENER



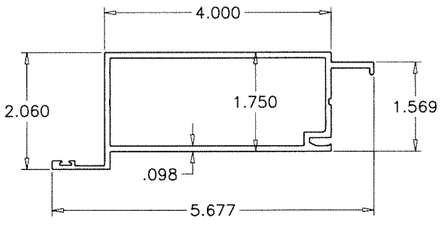
6 JAMB STILE



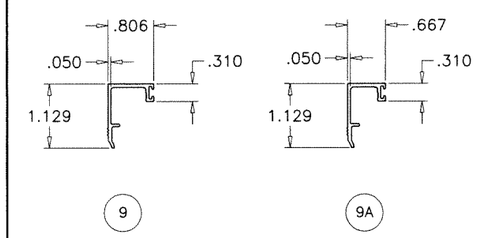
7 ASTRAGAL STILE (INACTIVE)



8 ASTRAGAL STILE (ACTIVE)



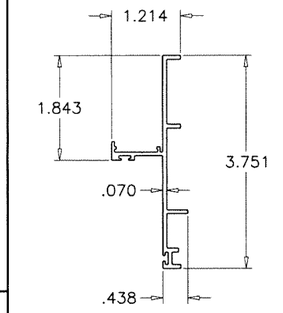
8A ASTRAGAL STILE (ACTIVE)



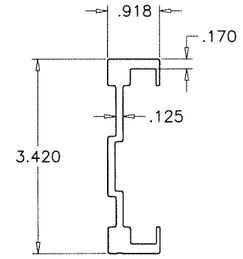
9 GLASS STOP (LAM. GLASS)

9A

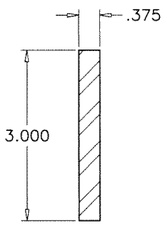
9C GLASS STOP (INSUL. LAM. GLASS)



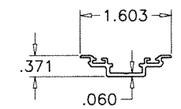
13 SIDELITE JAMB ADAPTER



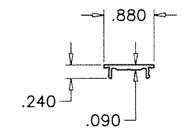
14 MULLION STIFFENER



14A MULLION STIFFENER



10 W'STRIP ADAPTER



11 FRAME COVER

Sealed: 9/2/2026

FL #46976

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COMP-ANL\21-14F-LI

SERIES 7600 ALUMINUM OUTSWING DOOR (L.M.I.)

Custom Window Systems Inc.
1900 S.W. 44th Avenue
Ocala, FL. 34474
Tel. (352) 368-6922
www.cws.cc

revisions:

no	date	by	description

date: 02-22-21
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no. 21-14F

sheet 13 of 15

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.

Sealed: 9/2/2026

JALAL FAROOQ LICENSE No. 61223 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL #46976

AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
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COMP-ANL\21-14F-LI

SERIES 7600 ALUMINUM OUTSWING DOOR (L.M.I.)

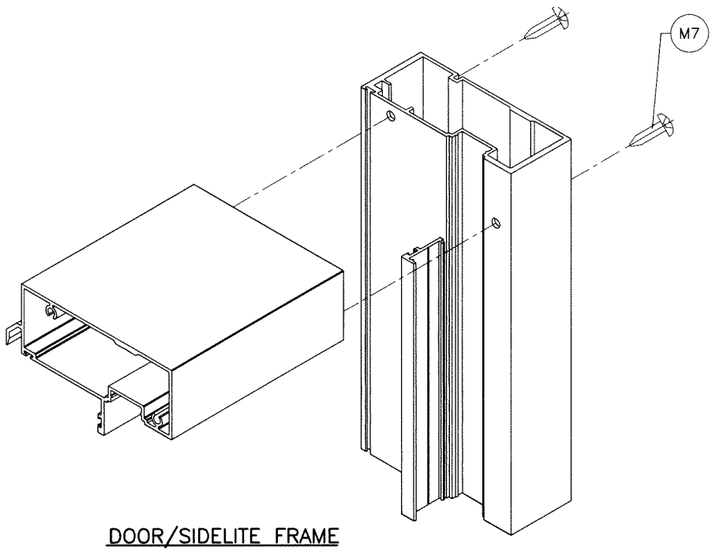
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revisions:

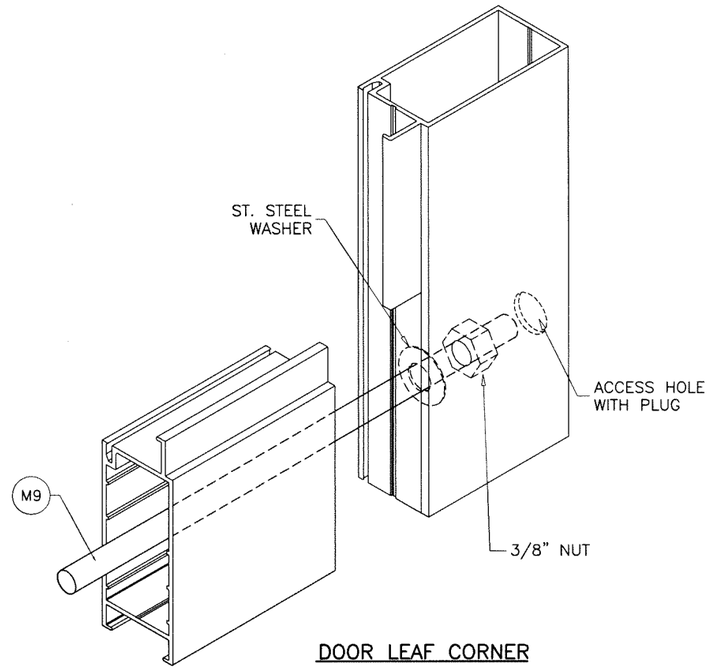
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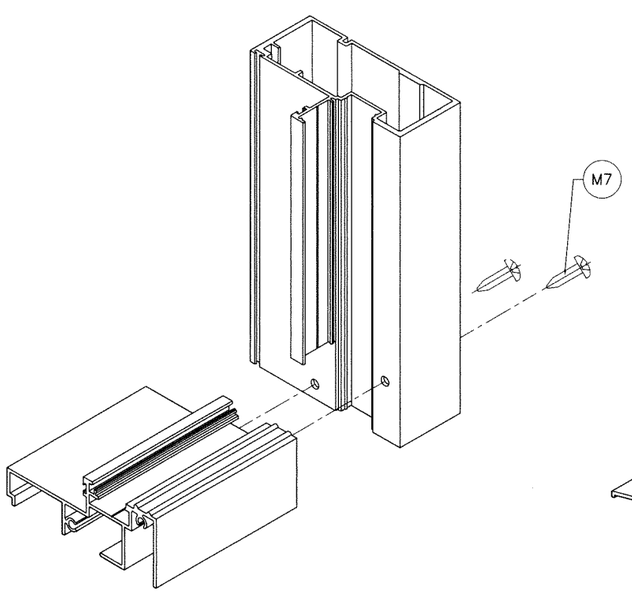
drawing no. 21-14F



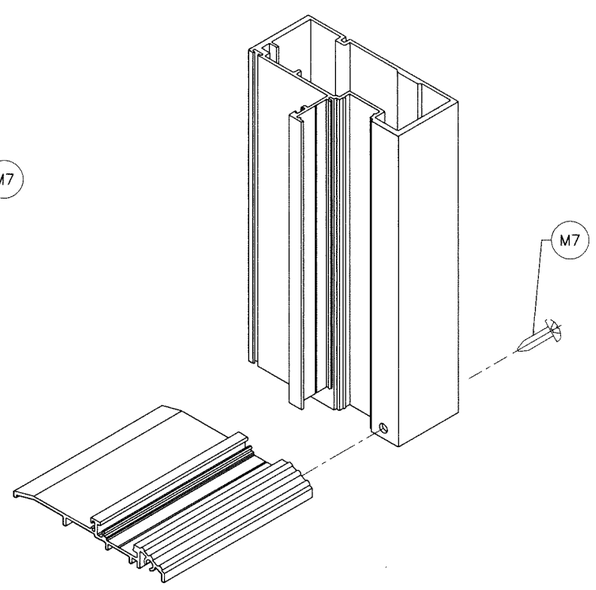
DOOR/SIDELITE FRAME
TOP CORNER



DOOR LEAF CORNER
SIDELITE PANEL CORNER



DOOR/SIDELITE FRAME
BOTTOM CORNER



DOOR/SIDELITE FRAME
BOTTOM CORNER

Sealed: 9/2/2026

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