

THESE DOORS ARE NOT RATED FOR IMPACT.

INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.

INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA MUST MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

SERIES-2001 (N.I.)
ALUMINUM 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. THRESHOLD (#1202003) APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

DOORS WITH ADA THRESHOLD (#1202004) NOT APPROVED FOR WATER INFILTRATION RESISTANCE.

SEE SHEETS 2 & 3 FOR LIMITATIONS AND SHEET 6 FOR DETAILS.

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.

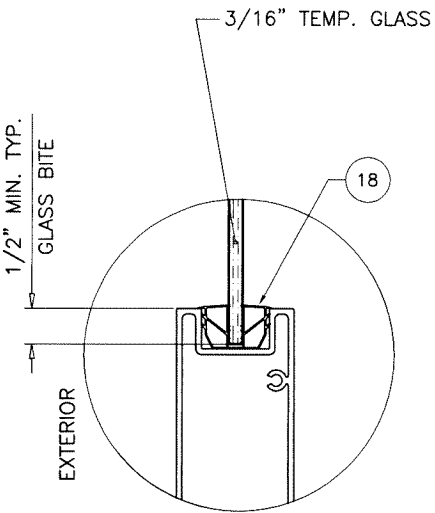
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

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

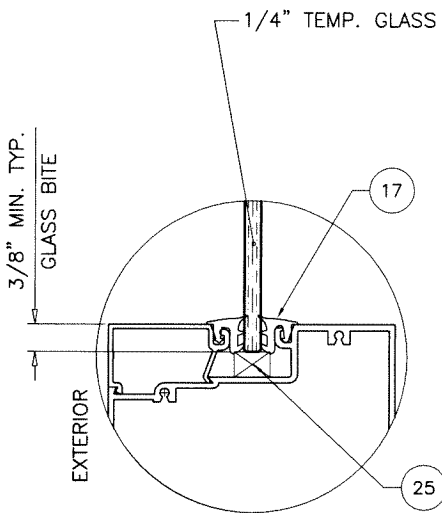
LABELING TO COMPLY WITH SECTION 1709.9.2.

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 SHEET 2.
- STEP 3** FOR SIDELITE PANEL (O) CAPACITY SEE SHEET 3.
- STEP 4** FOR SIDELITE COMBINATION WITH DOOR SEE MULLION CAPACITY CHART ON SHEET 5.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.



GLAZING DETAIL
DOOR PANEL
FIXED PANEL



GLAZING DETAIL
SIDELITE

Sealed: 7/26/2023

FL #32381

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.



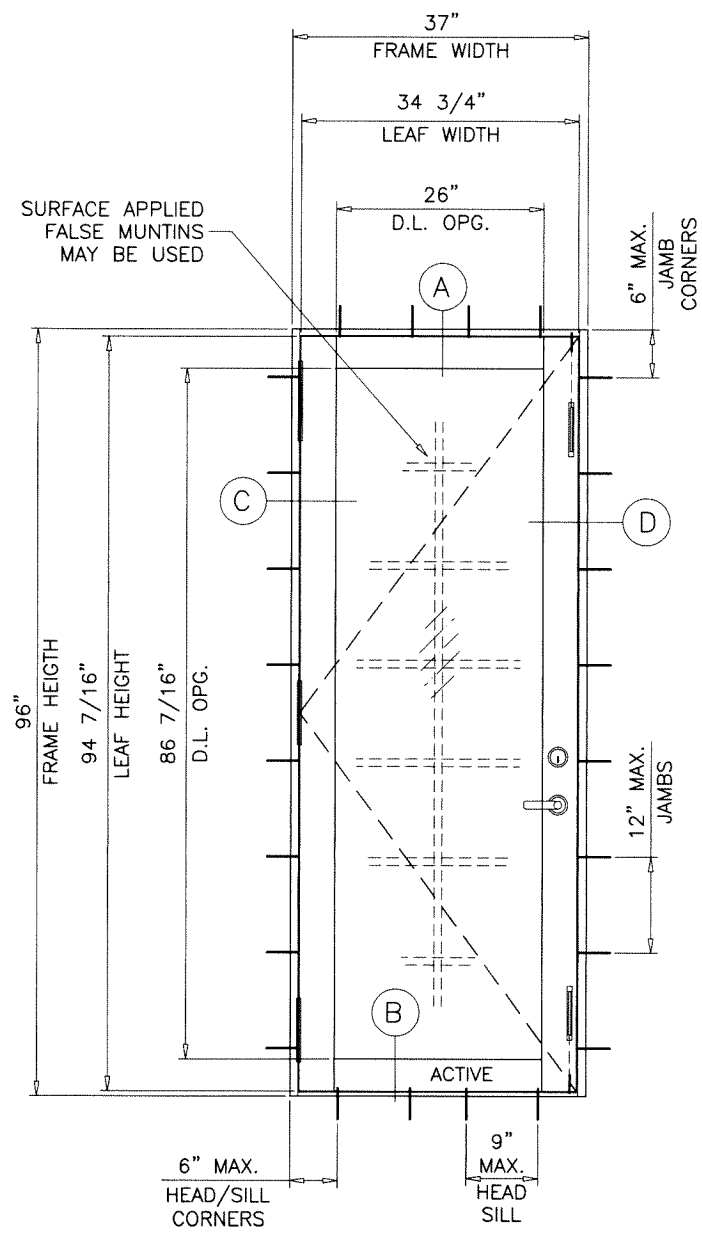
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\20-42F-SWM

SERIES-2001 ALUMINUM OUTSWING DOOR (N.I.)
Sunshine Windows Manufacturing, Inc.
1785 West 33rd Place
Hialeah, FL. 33012
Tel. (305) 364-9952 Fax. (305) 828-5118

revisions:	no	date	by	description
	A	08.28.20		UPDATED TO 2020 FBC
	B	07.24.23		UPDATED TO 2023 FBC

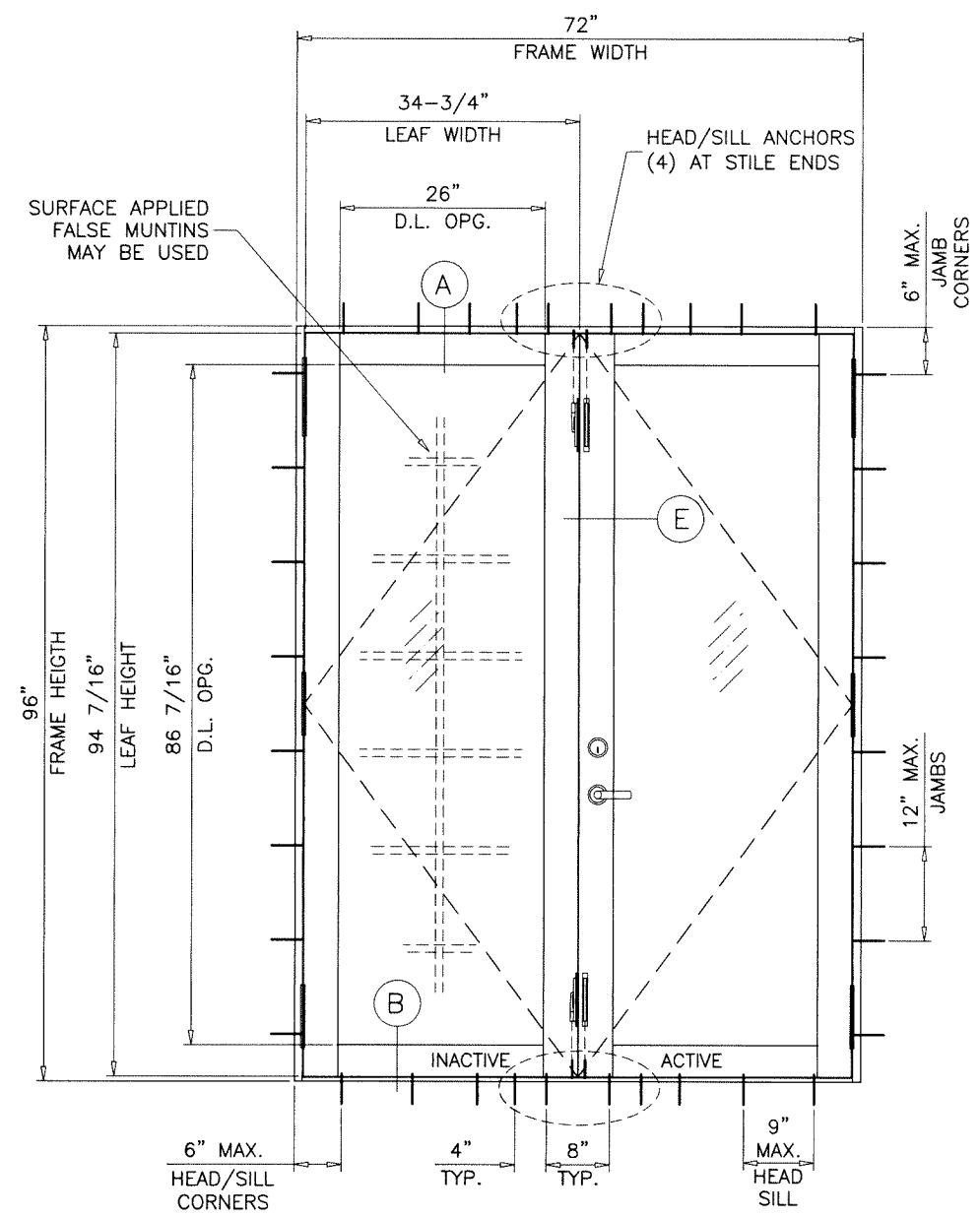
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chk. by:

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20-42F
sheet 1 of 14



TYPICAL ELEVATION
(X)

SINGLE DOORS LOAD CAPACITY - PSF 3/16" TEMP. GLASS					
FRAME		LEAF		EXT.(+)	INT.(-)
WIDTH	HEIGHT	WIDTH	HEIGHT		
37"	84"	34-3/4"	82-7/16"	80.0	102.8
	96"		94-7/16"	80.0	90.0



TYPICAL ELEVATION
(XX)

DOUBLE DOORS LOAD CAPACITY - PSF 3/16" TEMP. GLASS					
FRAME		LEAF		EXT.(+)	INT.(-)
WIDTH	HEIGHT	WIDTH	HEIGHT		
72"	84"	34-3/4"	82-7/16"	80.0	102.8
	96"		94-7/16"	80.0	90.0

GLASS D.L.O. FORMULAE:
D.L.O. WIDTH = FRAME WIDTH - 11.0" (X DOORS)
= (FRAME WIDTH - 20.0")/2 (XX DOORS)
D.L.O. HEIGHT = FRAME HEIGHT - 9.5625"

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

EXTERIOR(+) LOADS SHOWN IN CHARTS ABOVE ARE FOR INSTALLATIONS
WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.
FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED
LIMIT MAX. EXTERIOR LOADS TO +75 PSF (WITH STD. THRESHOLD).
ADA THRESHOLD NOT APPROVED FOR WATER INFILTRATION RESISTANCE.

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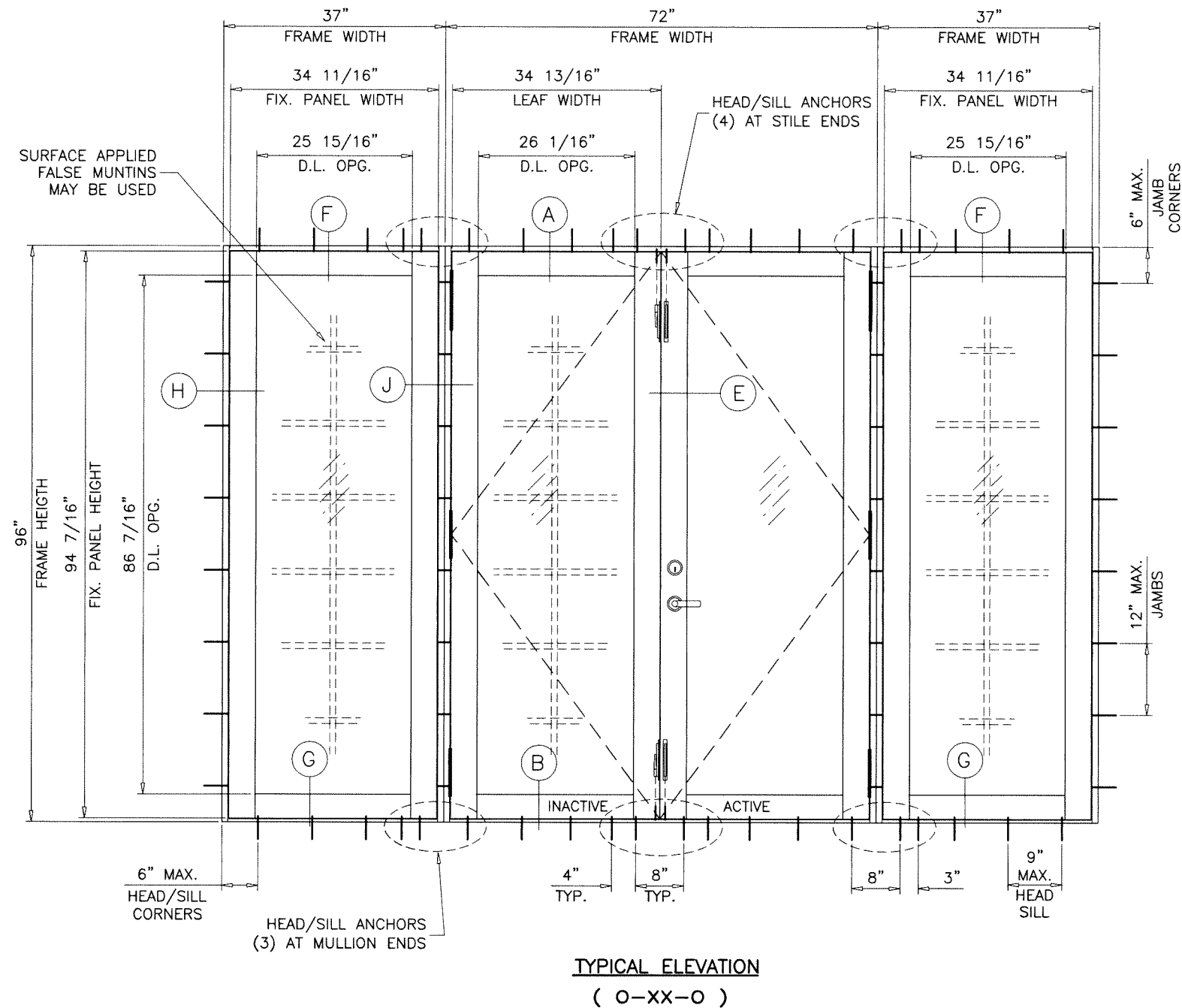
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TYPICAL ELEVATION
(O-XX-O)

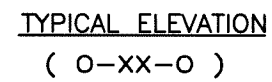
DOOR WITH FIXED PANEL

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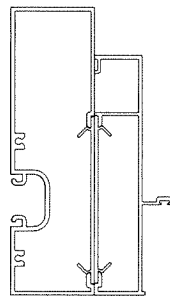
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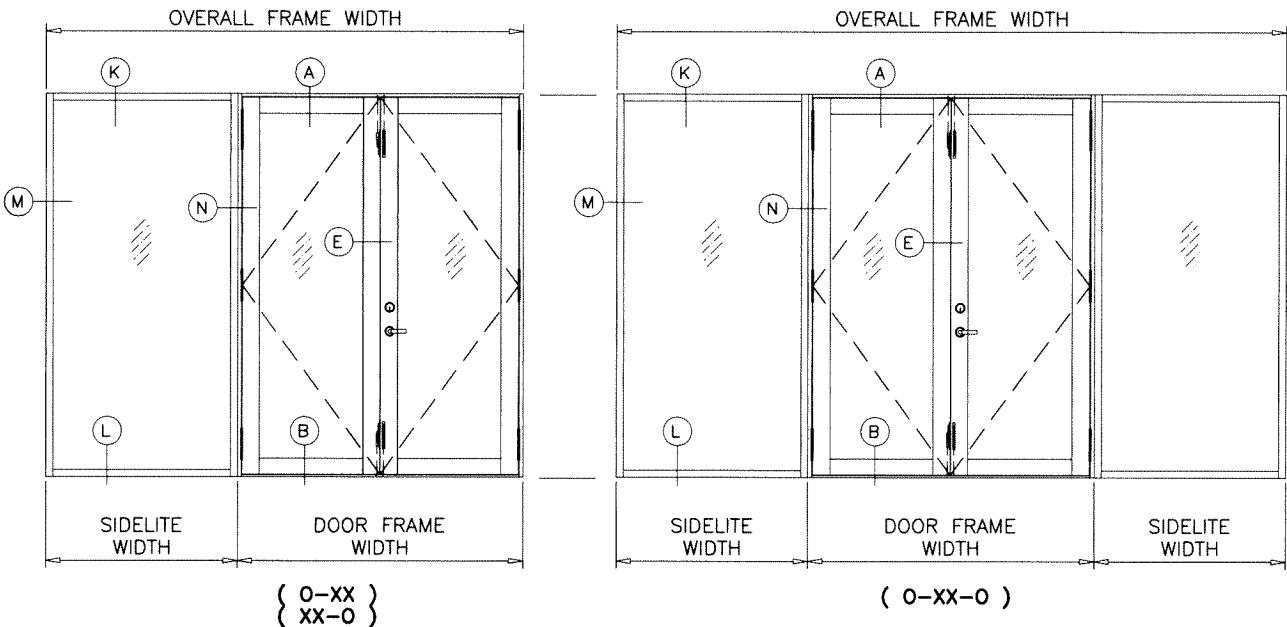
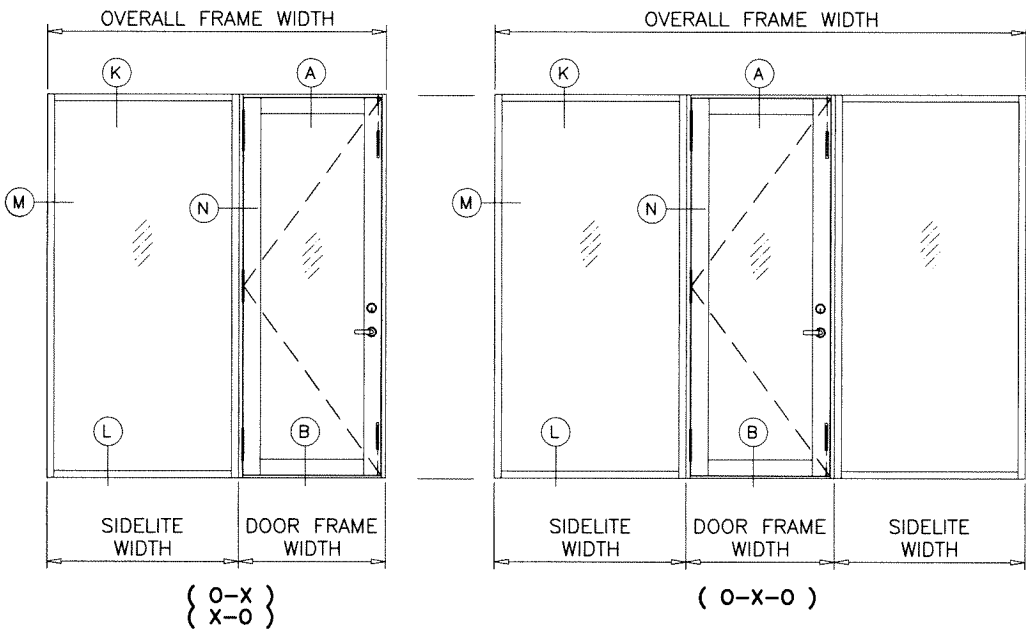
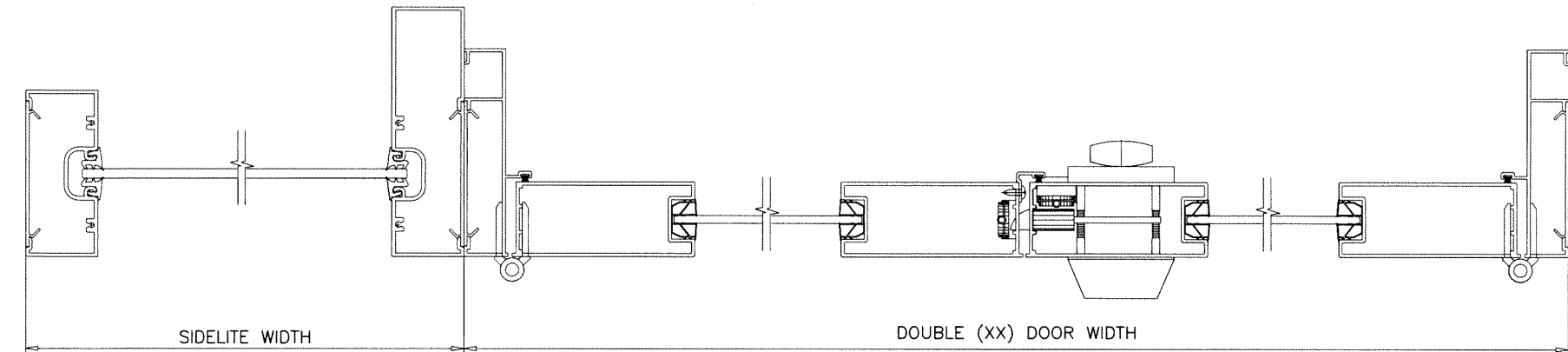
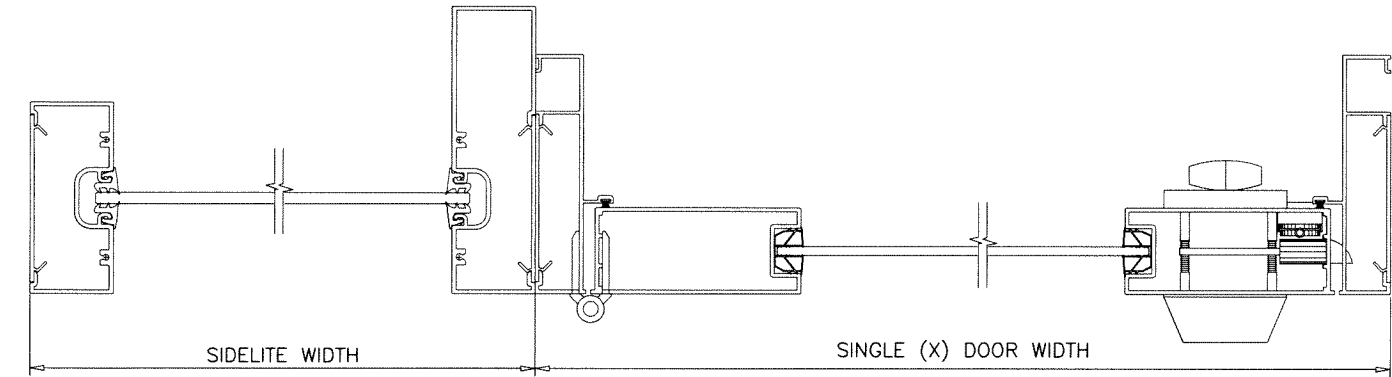
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DESIGN LOAD CAPACITY - PSF DOOR TO SIDELITE MULLION		
SIDELITE WIDTH INCHES	FRAME HEIGHT INCHES	EXT. (+) INT. (-)
24	84	135.0
30		126.9
36		119.1
42		112.7
48		107.2
24	96	116.1
30		107.7
36		100.8
42		94.9
48		90.0



DOOR TO SIDELITE MULLION

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



APPROVED CONFIGURATIONS

NOTE:
THE FRAME AREA OF ALTERNATE SIZE MUST NOT EXCEED 112.0 SQ. FT.

DOOR WITH SIDELITE



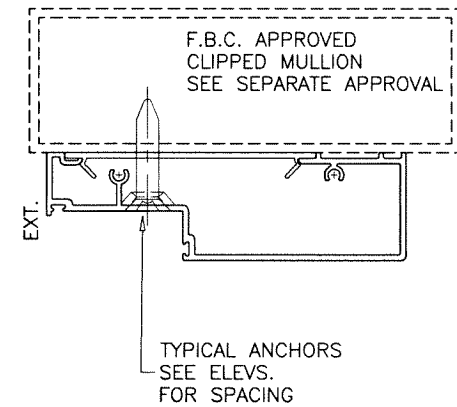
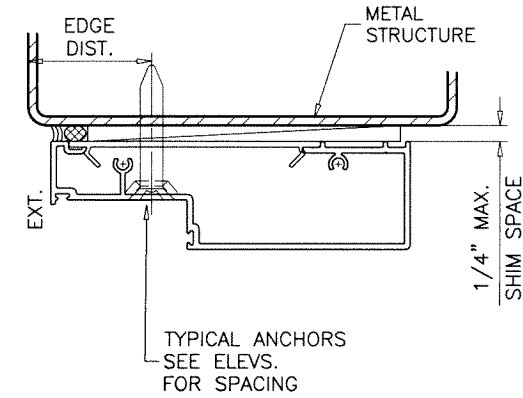
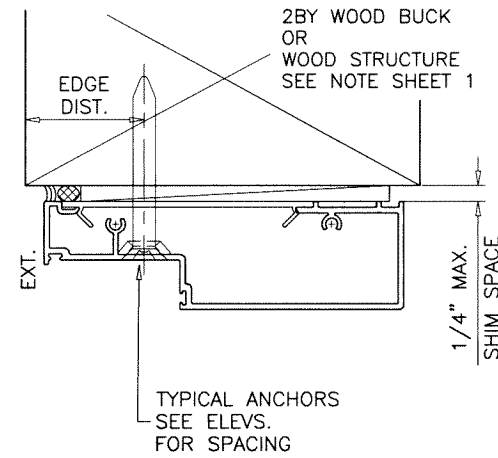
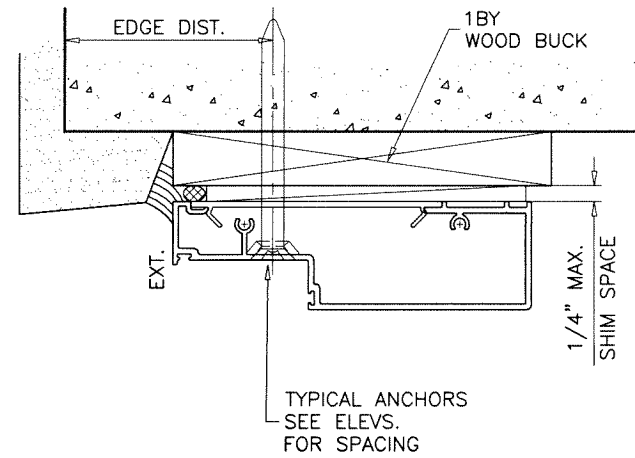
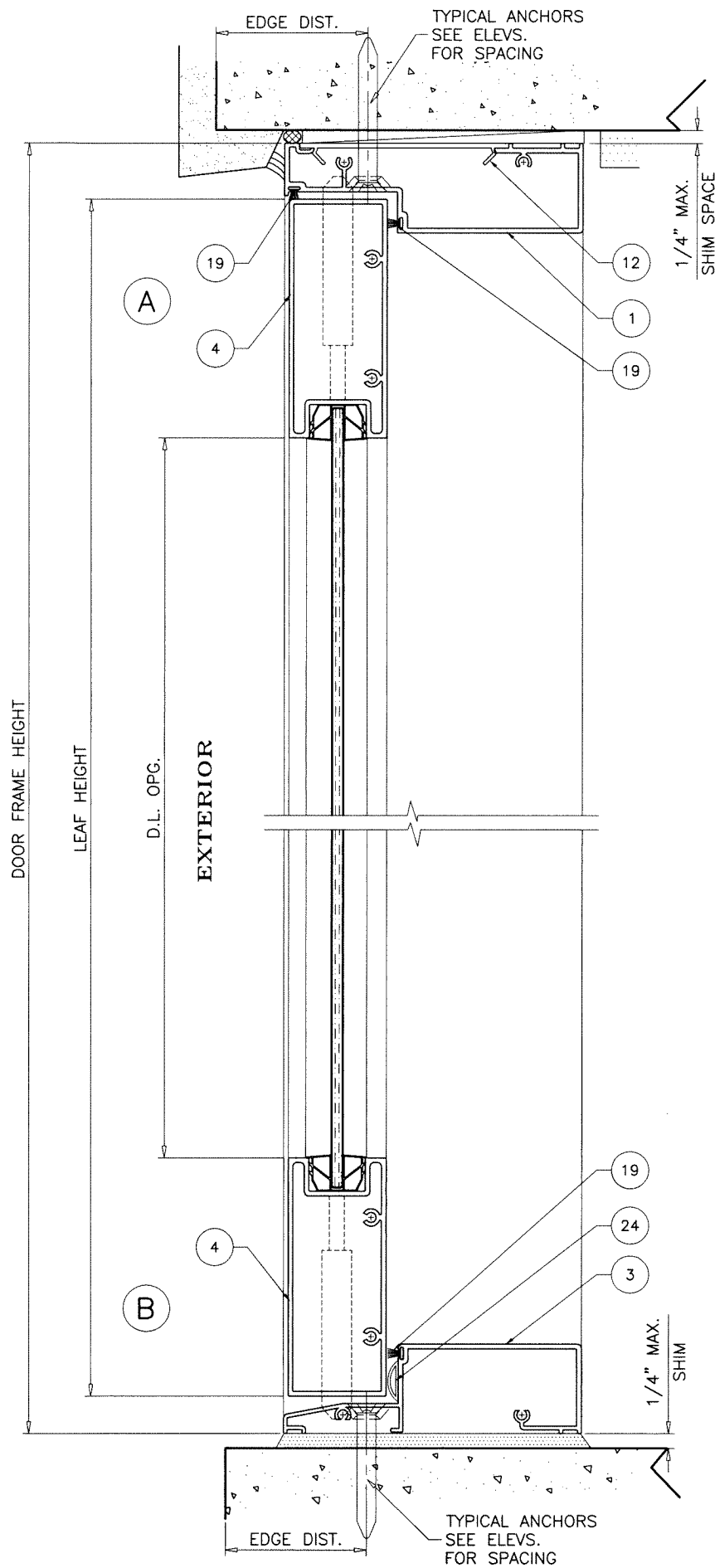
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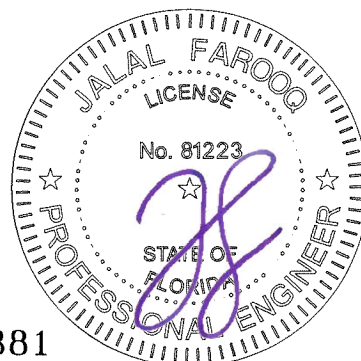


WOOD BUCKS AND METAL STRUCTURE NOT BY 'SUNSHINE WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
#14 SMS OR SELF-DRILLING SCREWS (GRADE 2 CRS)
 INTO F.B.C. APPROVED MULLIONS
 AND
 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)

CRITICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.
 WOOD AT HEAD, SILL 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.

DOOR DETAILS



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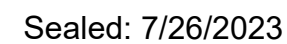
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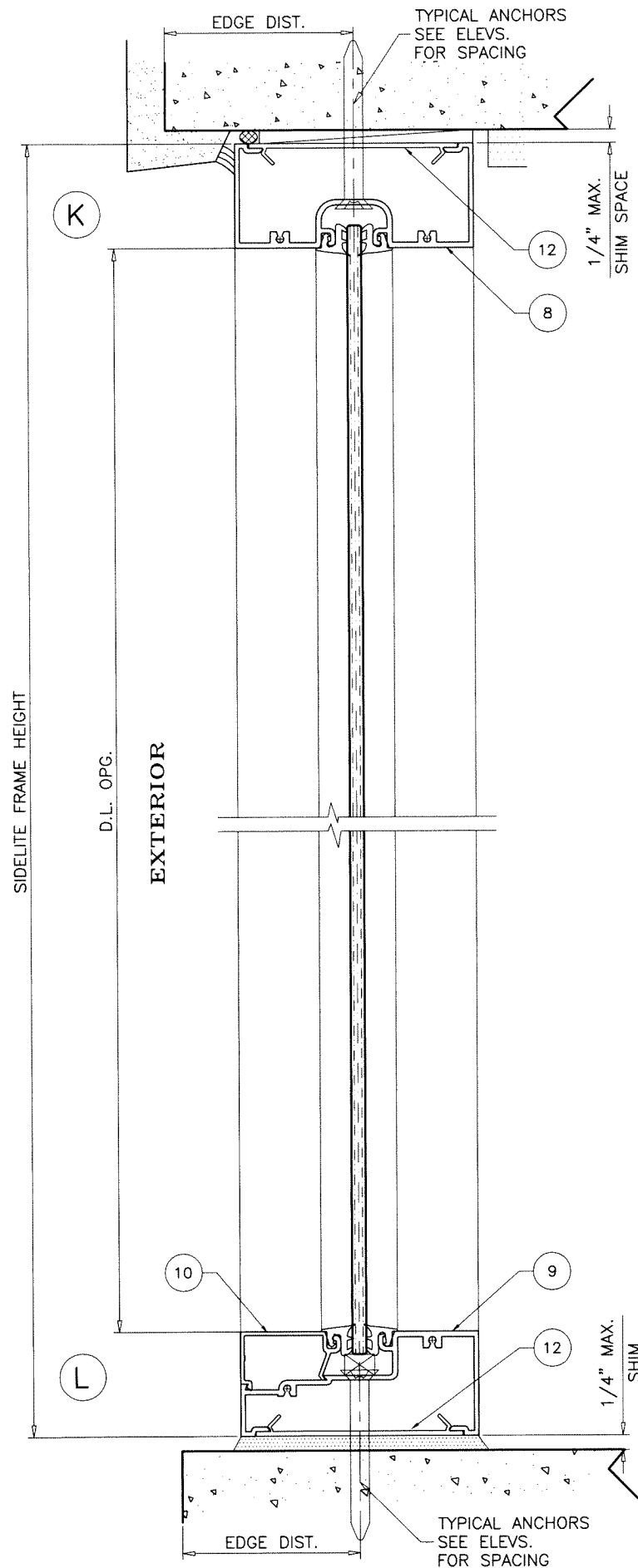
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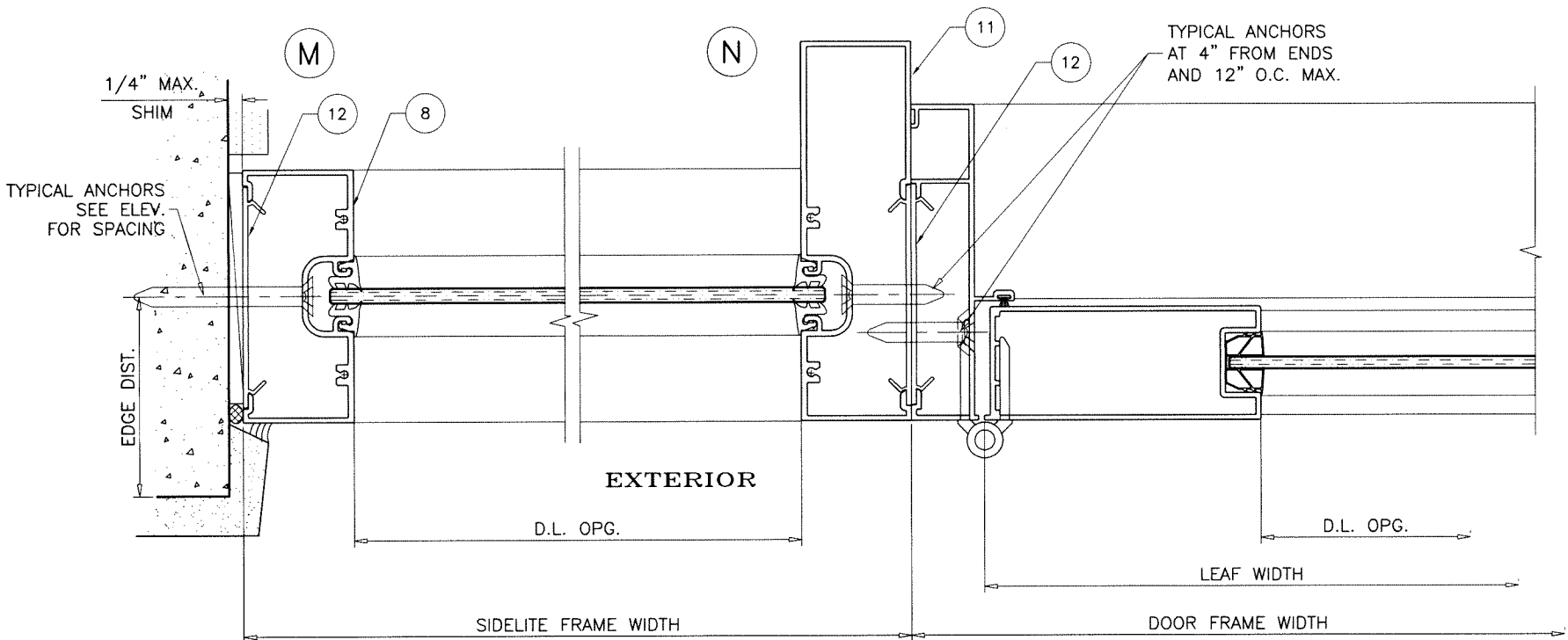
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SIDELITES CAN BE INSTALLED IN ALL SUBSTRATES SHOWN ON SHEETS 8 & 9.



SIDELITE DETAILS



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ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GAS-46913	1	DOOR FRAME HEAD	6063-T6	-
2	GAS-46912	2	DOOR FRAME JAMB	6063-T6	-
3	GAS-46915	1	DOOR FRAME SILL	6063-T6	-
4	GAH-46914	AS REQD.	DOOR PANEL TOP & BOTTOM RAIL	6063-T5	-
5	GAH-46910	AS REQD.	DOOR PANEL STILE	6063-T6	-
6	GAH-46917	3/ LEAF	DOOR HINGE	6063-T5	-
7	GAS-46916	AS REQD.	ASTRAGAL ADAPTER	6063-T5	-
7A	#8 X 5/8"	AS REQD.	ASTRAGAL FASTENERS, AT 2" FROM ENDS & 14" O.C. MAX.	STEEL	PH SMS
8	GAS-30655	AS REQD.	SIDELITE HEAD & JAMB	6063-T5	-
9	GAS-30656	AS REQD.	SIDELITE SILL	6063-T5	-
10	GAS-30657	AS REQD.	SIDELITE SILL STOP	6063-T5	-
11	GAS-43890	AS REQD.	SIDELITE MULLION	6063-T6	-
12	GAS-40926	AS REQD.	FLAT FILL COVER	6063-T6	-
13	#10 X 1"	AS REQD.	DOOR FRAME ASSEMBLY FASTENERS	STEEL	PH SMS
14	#10 X 1-1/2"	AS REQD.	PANEL ASSEMBLY FASTENERS	STEEL	PH SMS
15	#8 X 1"	AS REQD.	SIDELITE ASSEMBLY FASTENERS	STEEL	PH SMS
17	MPI 3046	AS REQD.	SIDELITE GLAZING GASKET	PVC	DUROMETER 70±5 SHORE A
18	MPI 5547	AS REQD.	PANEL GLAZING GASKET	PVC	DUROMETER 70±5 SHORE A
19	W33321NK0020	AS REQD.	ULTRA FIN WEATHERSEAL	POLYPROYLENE	ULTRAFAB
20	2090L3ZAB3BP	1	PASSAGE LEVER	ZINC	-
21	2900DZ1ABBP	1	DEAD BOLT	ZINC	-
22	SERIES 2508	2/ LEAF	FLUSH BOLTS	ZINC	-
24	X109HT100	AS REQD.	D SECTION RUBBER SEAL	EPDM	TRIMLOCK
25	-	2/ LITE	SIDELITE SETTING BLOCKS, AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
26	#10 X 1"	AS REQD.	FIX. PANEL FASTENERS, AT 1" & 4" FROM EACH END AND 12" O.C. MAX.	STEEL	PH SMS
27	-	-	-	-	-

LOCK OPTIONS:

ACTIVE LEAF:

SURFACE MOUNT DEAD BOLT LOCK BY 'REGENT' AT 42-1/2" FROM BOTTOM, KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR FASTENED TO ACTIVE LEAF LOCK STILE WITH (2) #8-32-28 X 2-1/4" OH MS LEVER TYPE METALLIC HANDLE AT 36-1/4" FROM BOTTOM, FASTENED TO ACTIVE LEAF LOCK STILE WITH (2) #8-32 X 1" PH MS. AND (2) #8 X 5/8" FH SMS

SERIES 2508 FLUSH BOLTS BY 'REGENT' MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE OF LEAF STILE LOCATED AT 56" FROM TOP AND 12" FROM BOTTOM FASTENED TO LOCK STILE WITH #8-32 X 1/2" FH SMS (2) PER BOLT

(2) SURFACE MOUNT STRIKE PLATES FACING LOCKS AT 36-1/4" AND 42-1/4" FROM BOTTOM FASTENED TO JAMB/INACTIVE STILE WITH (2) #8 X 1/2" FH SMS

INACTIVE LEAF:

SERIES 2508 FLUSH BOLTS BY 'REGENT' MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE OF LEAF STILE LOCATED AT 56" FROM TOP AND 12" FROM BOTTOM FASTENED TO LOCK STILE WITH #8-32 X 1/2" FH SMS (2) PER BOLT

HINGES:

8" LONG SURFACE MOUNT ALUMINUM BUTT HINGES 3 PER LEAF TOP AND BOTTOM HINGES AT 10" FROM ENDS INTERMEDIATE HINGE AT MID SPAN FASTENED TO FRAME AND PANEL WITH #10 X 3/4" TRUSS HEAD SMS (3) PER HASP(LEAF)

SEALANTS:

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



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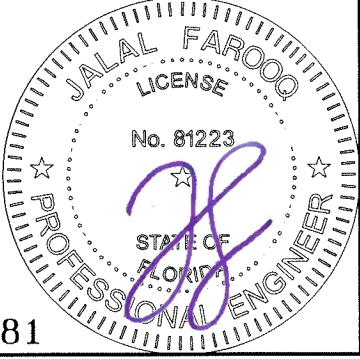
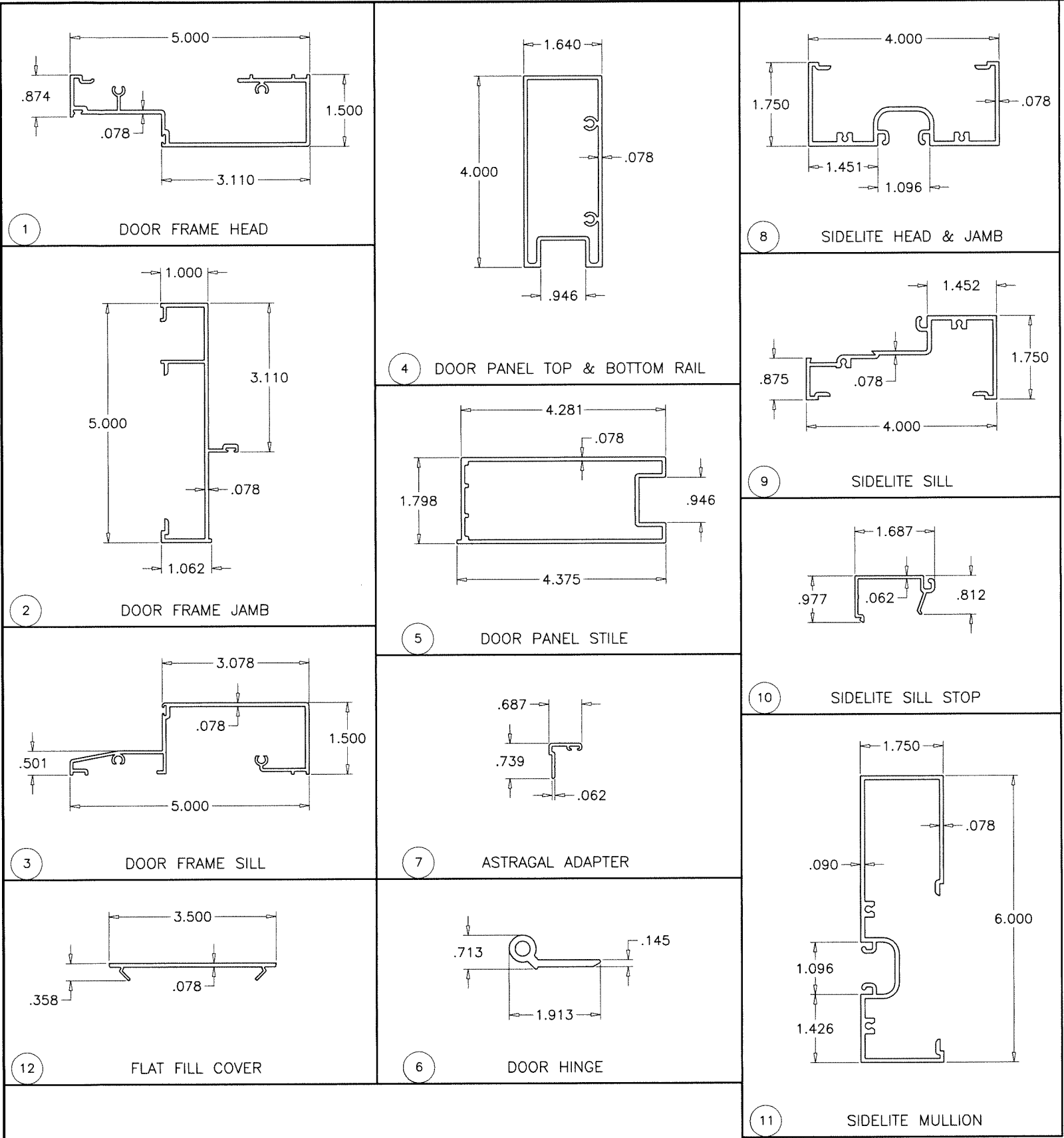
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revisions:	
no	date by description

date: 04-29-20
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
20-42F
sheet 13 of 14

