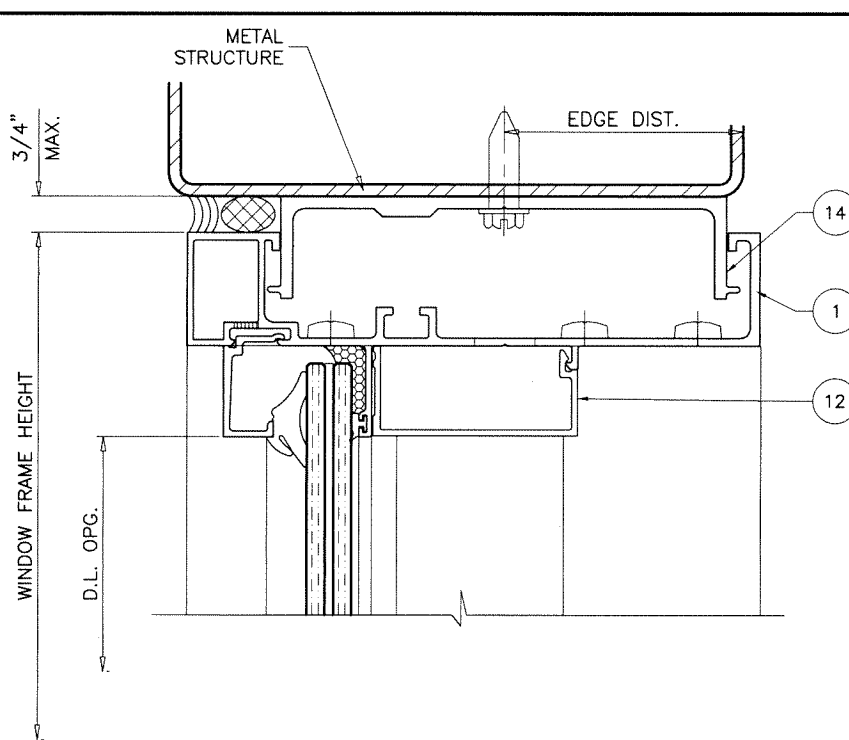
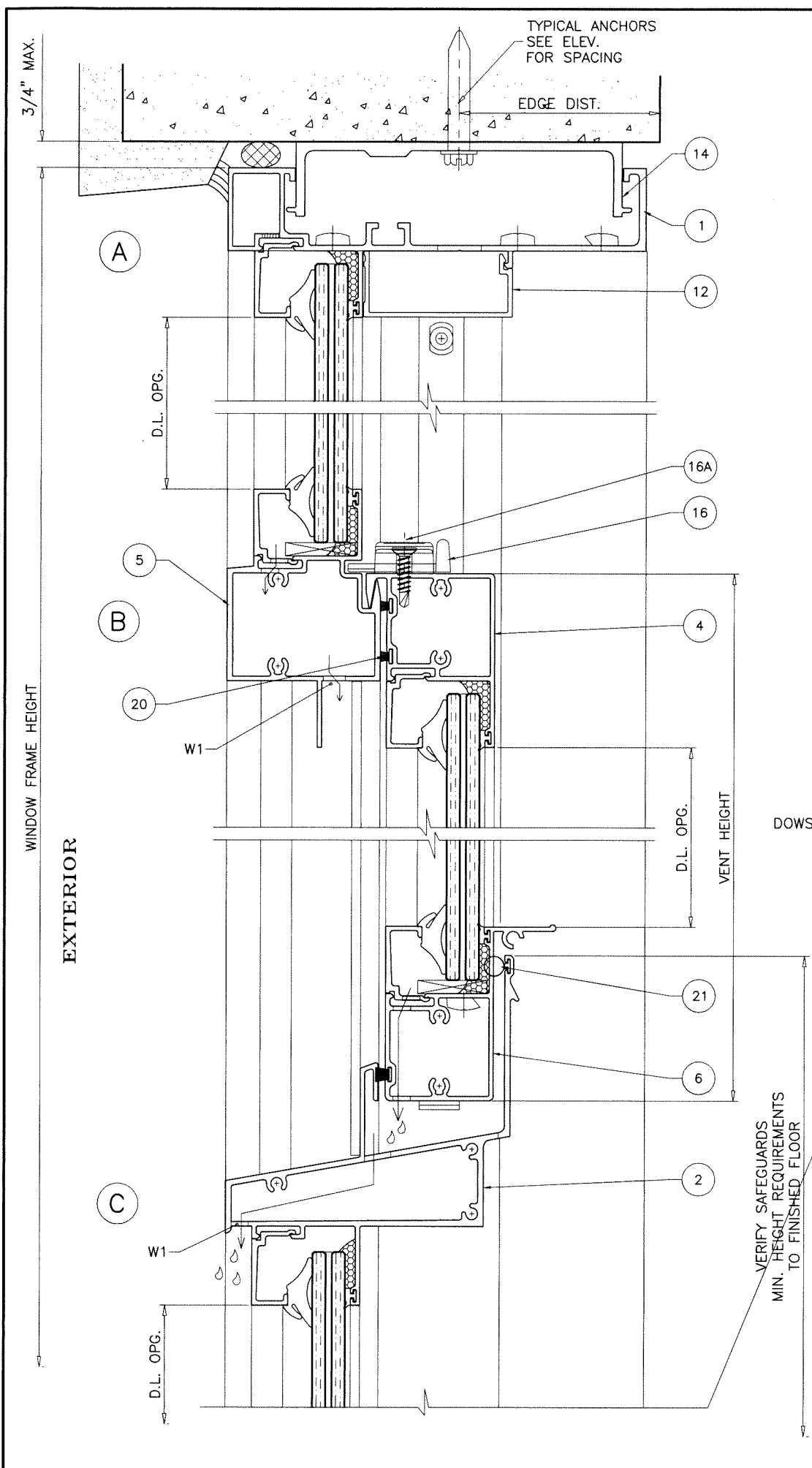


MG250 CH (S.M.I.)
ALUMINUM SINGLE HUNG WINDOW WALL SYSTEM

date: 12-02-22		revisions:	
scale: 1/2"=1'-0"	no	date	by description
	A	07.18.23	UPDATED TO 2023 FBC
dr. by: TARIQ			
chk. by:			

drawing no. 22-47F

sheet 1 of 8

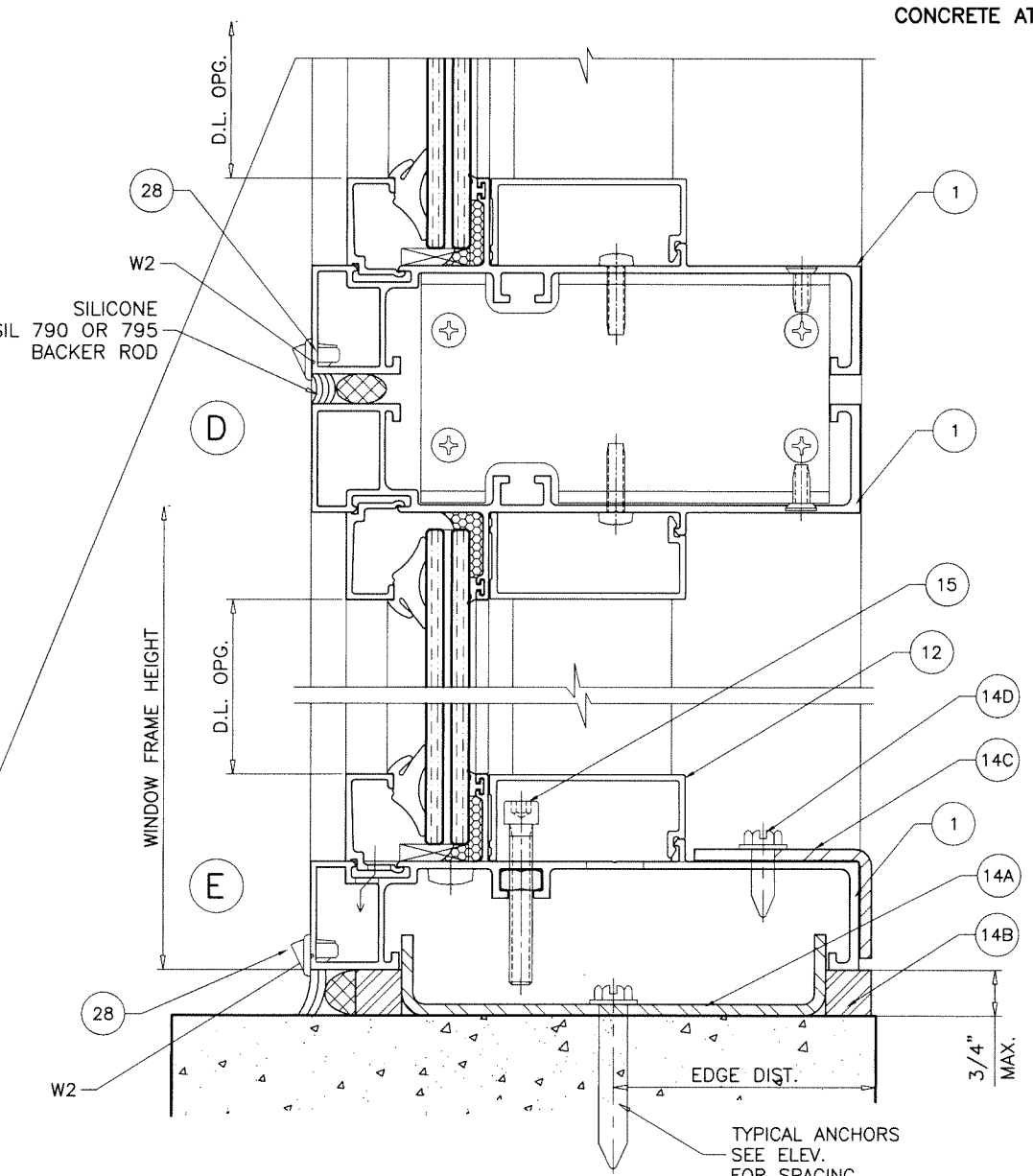


METAL STRUCTURE NOT BY 'MR-GLASS'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
 DIRECTLY INTO CONCRETE
 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)
5/16" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
 INTO METAL STRUCTURES (HEAD/SILL)
 (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 = 2-3/16" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.
 CONCRETE AT HEAD, SILL f'c = 3000 PSI MIN.

WEEPHOLES:
 W1 = 3/8" X 1" WEEPHOLES AT 5" FROM EACH END
 W2 = 3/8" X 1" WEEPHOLES AT 1-1/2" FROM EACH END



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COMP-ANL/22-47F-MG

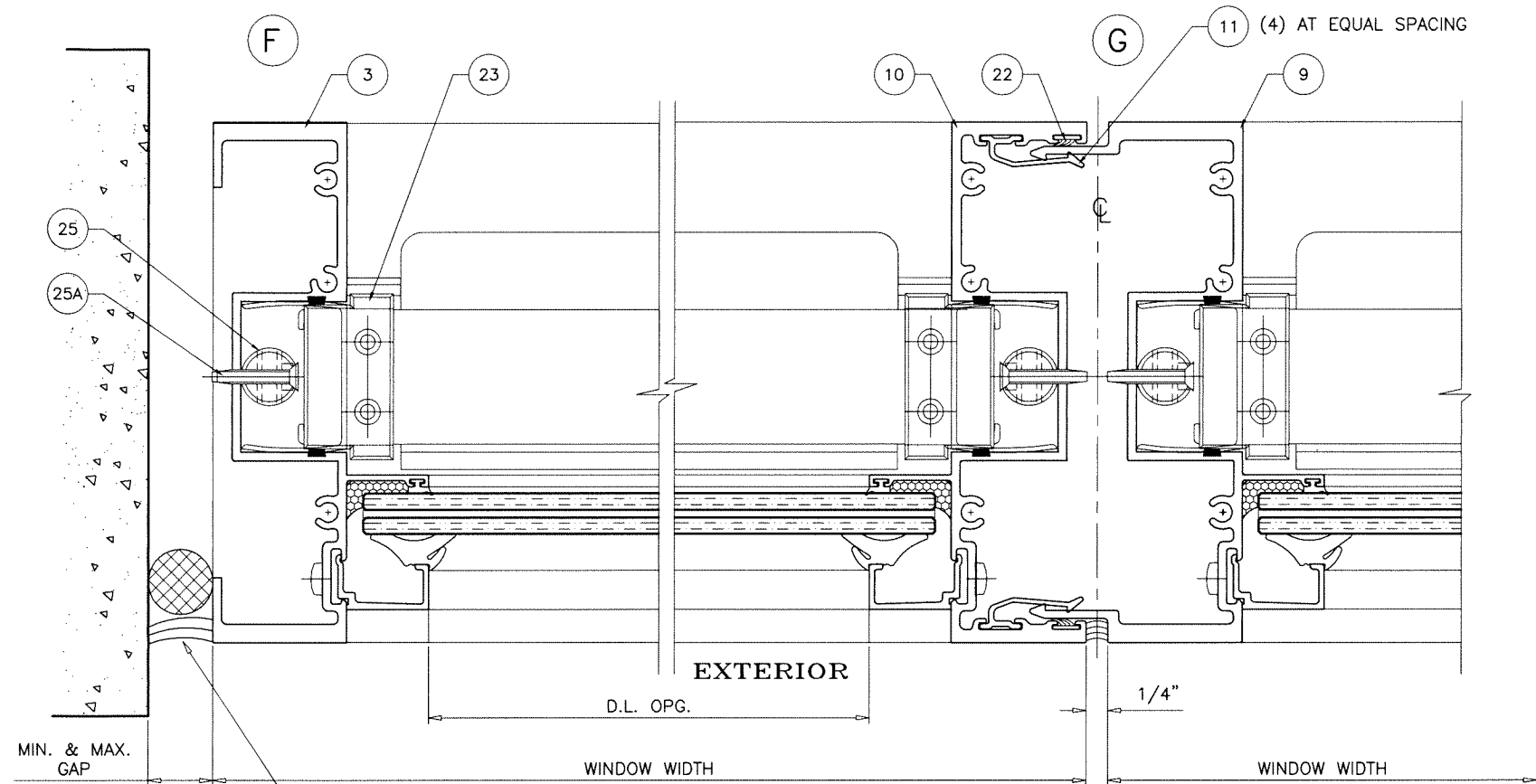
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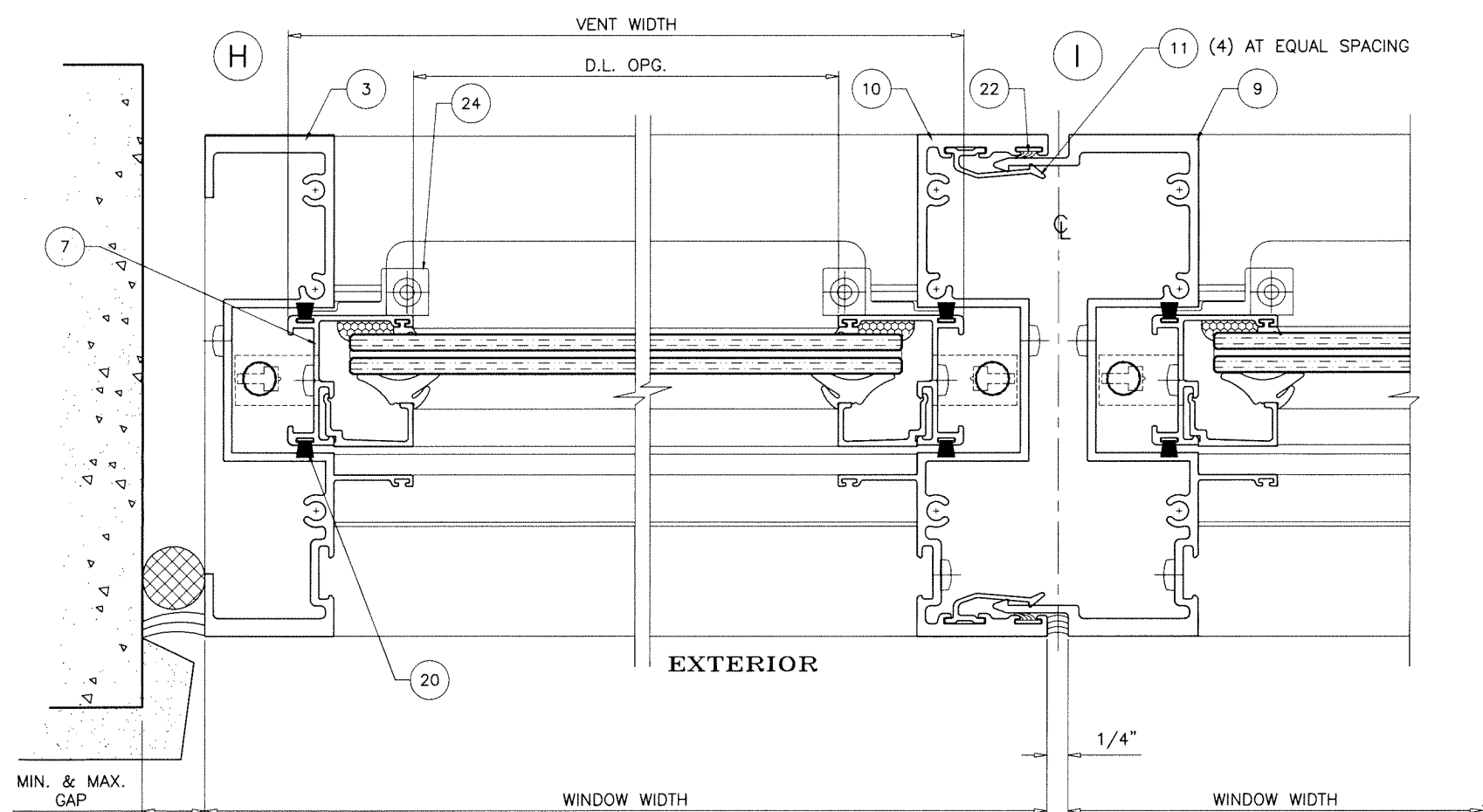
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no	date by description

date: 12-02-22	scale: 1/2" = 1"	dr. by: TARIQ	chk. by:
drawing no. 22-47F			
sheet 2 of 8			



MIN. & MAX. GAP
SEE CHART AT RIGHT
SILICONE DOWSIL 790 OR 795
DEPTH = 3/8" MIN.

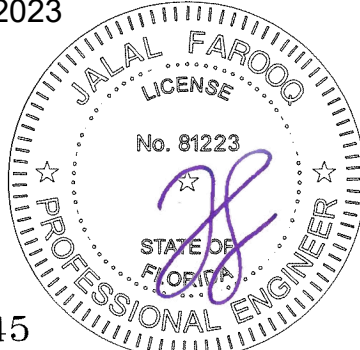


MIN. & MAX. GAP
SEE CHART AT RIGHT

MAX. FRAME HEIGHTS UPTO	GAP	
	MIN.	MAX.
96"	1/2"	3/4"
110-3/8"	9/16"	3/4"

NOTE:
MAX. MOVEMENT CONSIDERED=100% STRETCH.
PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOW WALL MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.
ALTERNATE SEALANTS AT JAMB AND JAMB GAPS OTHER THAN THOSE IN CHART CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.
GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.

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drawing no.	no.
22-47F	22-47F

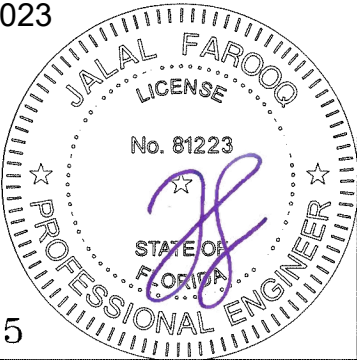
sheet 3 of 8

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANUF./SUPPLIER/REMARKS
1	E250	1	FRAME HEAD/SILL	6063-T6	-
2	E251	1	INTERMEDIATE SILL	6063-T6	-
3	E256	2	FRAME JAMB	6063-T6	-
4	E261	1	VENT TOP RAIL	6063-T6	-
5	E252	1	FIXED MTG. RAIL	6063-T6	-
6	E260	1	VENT BOTTOM RAIL	6063-T6	-
7	E262	2	VENT SIDE RAIL	6063-T6	-
8	E9003	AS RQD.	GLAZING BEAD (LAM. GLASS)	6063-T6	-
9	E254	-	MALE MULLION	6063-T6	-
10	E255	-	FEMALE MULLION	6063-T6	-
11	E9007	AS REQD.	ANTI-BUCKLING CLIP, 4" LONG	6063-T6	-
12	E257	AS REQD.	HORIZONTAL COVER	6063-T6	-
13	E258	AS REQD.	VENT STOP AND VERTICAL COVER	6063-T5	-
14	E253	AS REQD.	ADJUSTABLE ANCHOR AT HEAD (LENGTH = WINDOW WIDTH - 2")	6005-T5	-
14A	-	AS REQD.	ADJUSTABLE ANCHOR AT SILL (LENGTH = WINDOW WIDTH - 2")	STEEL	-
14B	-	4/ WDW.	DEAD LOAD BLOCK, 4" LONG, AT EACH SIDE OF CHANNEL	STEEL	WELDED TO BASE CHANNEL
14C	-	2/ WDW.	REINF. ANGLE, 12" LONG	STEEL	-
14D	1/4-20 X 1"	4/ ANGLE	REINF. ANGLE FASTENERS AT 2-1/2" O.C.	ST. STEEL	HH SELF DRILLING
15	1/4-20 X 2"	2/VENT	ANTI-LIFT FASTENERS, AT 4-1/2" FROM EACH END	ST. STEEL	SOCKET SCREWS WITH HEX NUT
16	L20-01	2/VENT	SWEEP LATCH, AT 9" FROM ENDS	ZAMAK	-
16A	#8 X 5/8"	2/ LATCH	LATCH INST. SCREWS	ST. STEEL	FH SMS
17	G25-08	AS REQD.	SETTING BLOCKS, AT 1/4 POINTS	SILICONE	DUROMETER 80±5 SHORE A
18	G6-01	AS REQD.	EXTERIOR WEDGE GASKET (LAM. GLASS)	EPDM	DUROMETER 70±5 SHORE A
19	G25-01	AS REQD.	INTERIOR SPACER	SANTOPRENE	DUROMETER 80±5 SHORE A
20	G25-02	AS REQD.	FIN SEAL W'STRIPPING	-	ULTRAFAB
21	G25-03	AS REQD.	BOTTOM RAIL SEAL	FOAM/VINYL	-
22	G30-02	AS REQD.	AIR SEAL	SANTOPRENE	-
23	M25-01	2/ VENT	VENT TOP GUIDE	DERLIN	M&M PLASTICS
24	M25-02	4/ VENT	VENT BOTTOM GUIDE	DERLIN	M&M PLASTICS
24A	#8 X 5/8"	1/ GUIDE	VENT GUIDE INST. FASTENERS	CRS	FH SMS TYPE B
25	M20-03/M20-04	2/VENT	ULTRALIFT SPIRAL BALANCE	-	CALDWELL
25A	#8 X 1"	1/ BALANCE	BALANCE INST. FASTENERS	ST. STEEL	PH SMS
26	#14 X 2"	AS REQD.	FRAME ASSEMBLY FASTENERS	ST. STEEL	PH SMS
27	#10 X 1-1/2"	AS REQD.	VENT ASSEMBLY FASTENERS	ST. STEEL	PH SMS
28	G2-01	2	HI-FLOW WEEPER	-	-

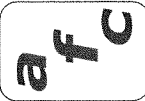
SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
DOWSIL 795 SEALANT.

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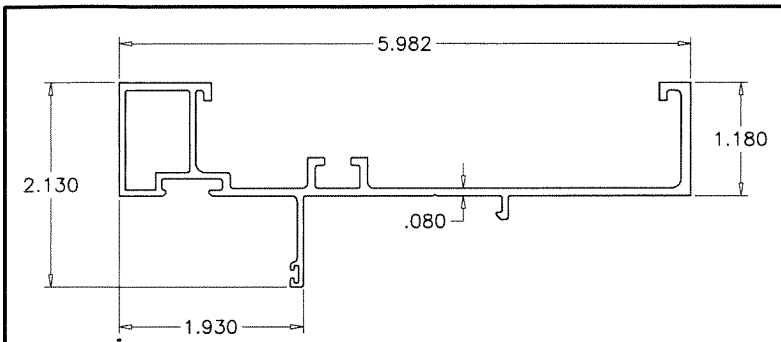
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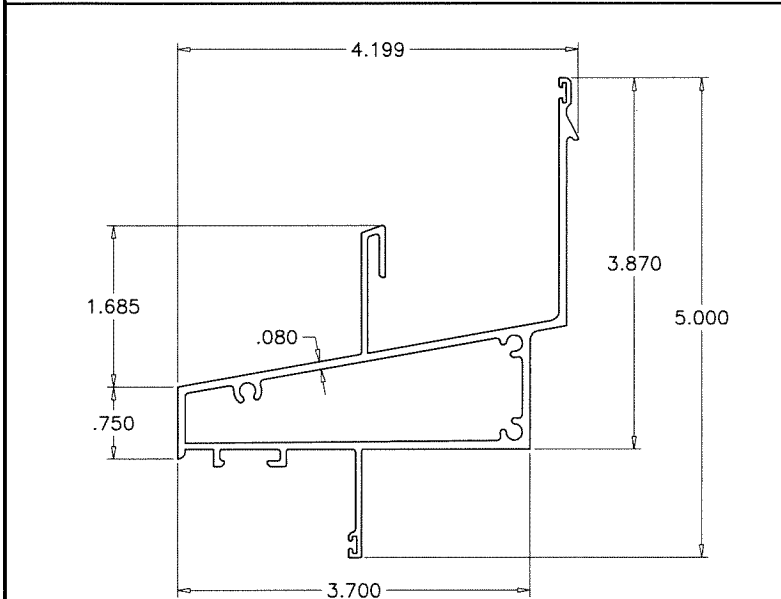
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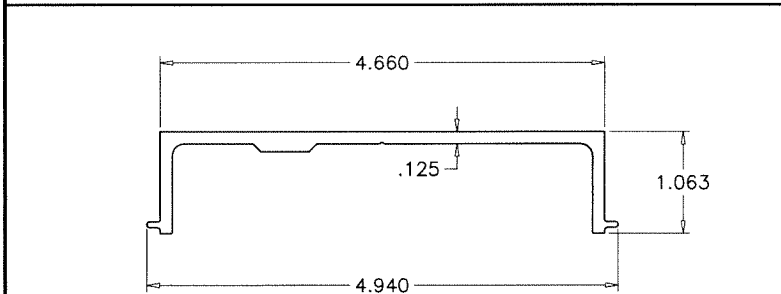
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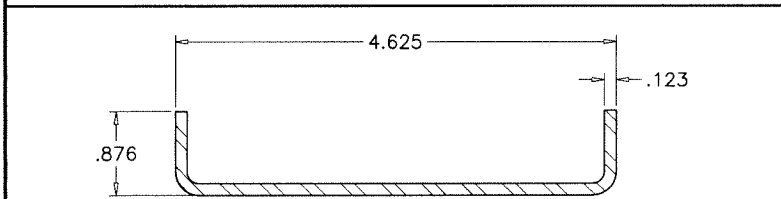
① FRAME HEAD/SILL



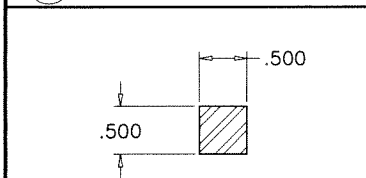
② INTERMEDIATE SILL



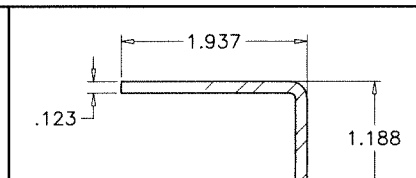
⑭ ADJUSTABLE ANCHOR AT HEAD



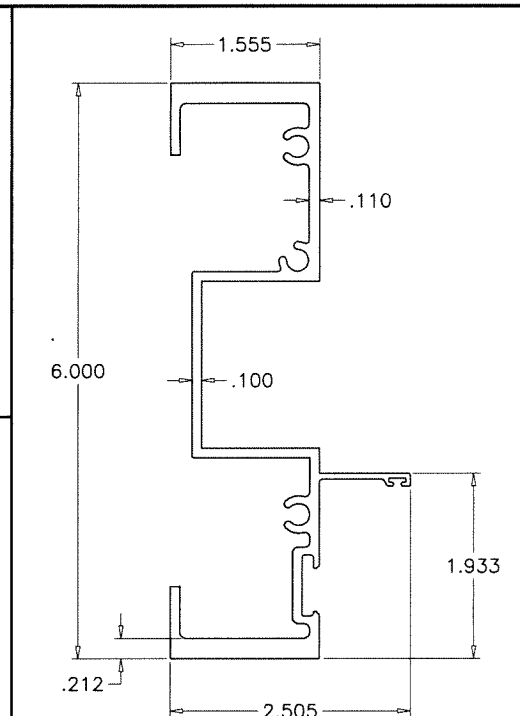
⑭A ADJUSTABLE ANCHOR AT SILL



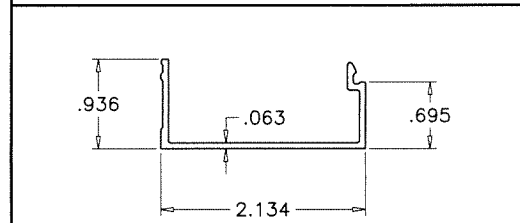
⑭B DEAD LOAD BLOCK



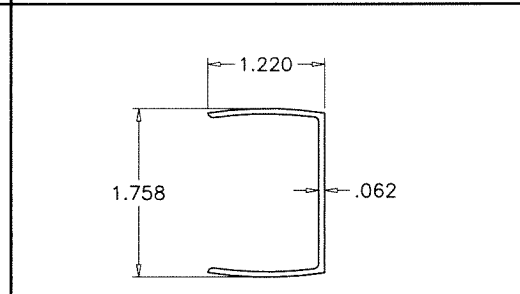
⑭C REINF. ANGLE



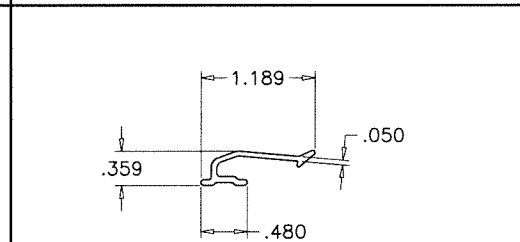
③ FRAME JAMB



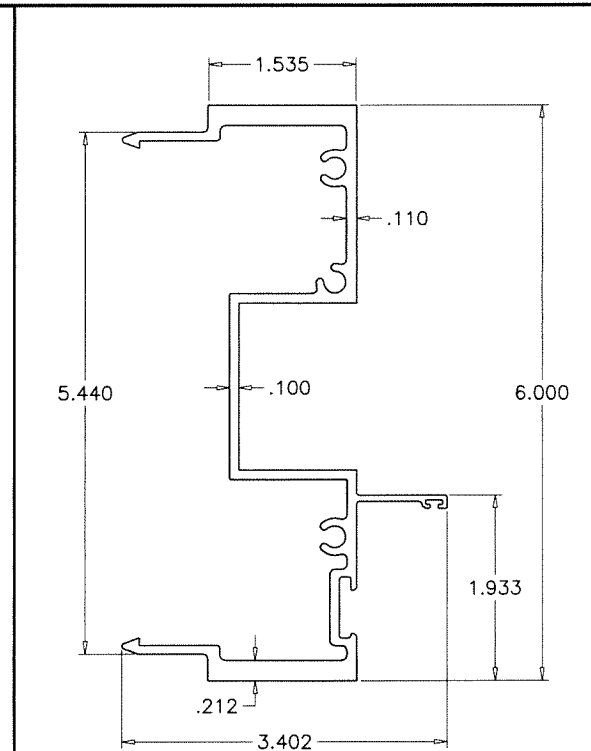
⑫ HORIZONTAL COVER



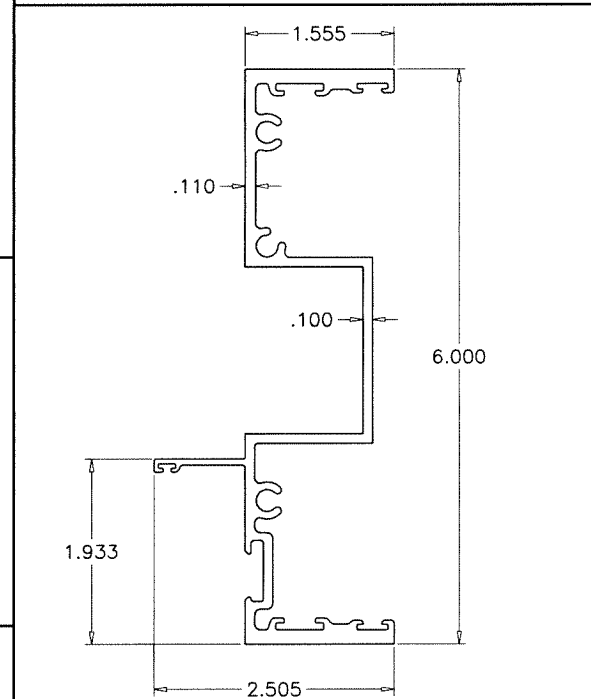
⑬ VENT STOP & VERTICAL COVER



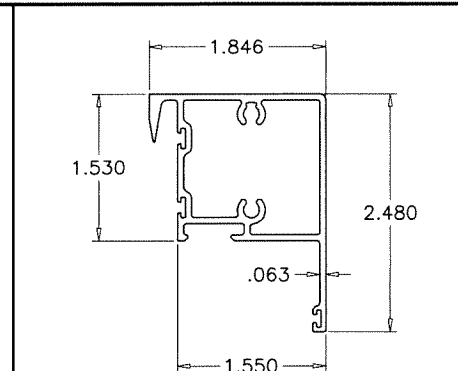
⑪ ANTI-BUCKLING CLIP



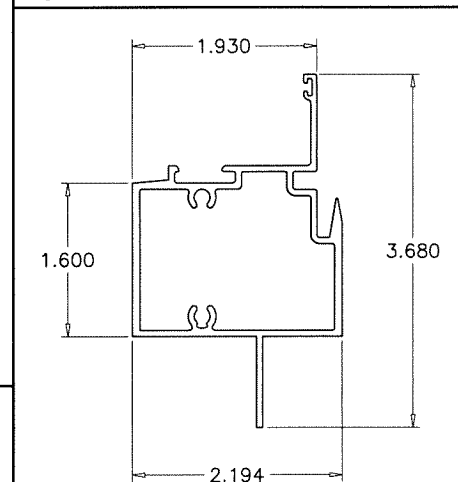
⑨ MALE MULLION



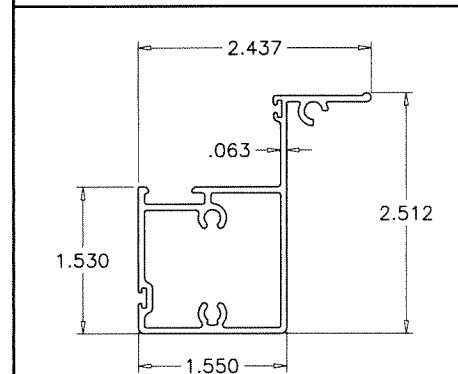
⑩ FEMALE MULLION



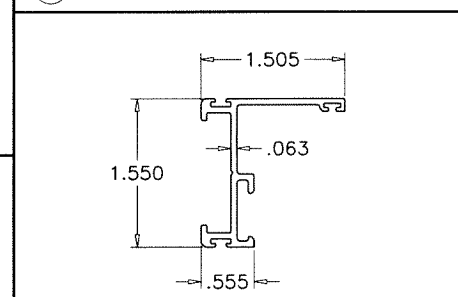
④ VENT TOP RAIL



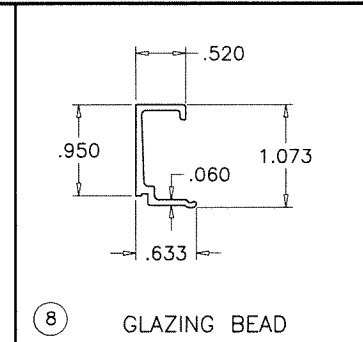
⑤ FIX. MEETING RAIL



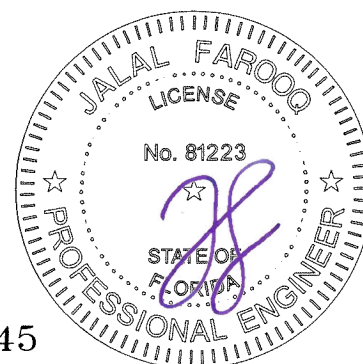
⑥ VENT BOTTOM RAIL



⑦ VENT SIDE RAIL



⑧ GLAZING BEAD



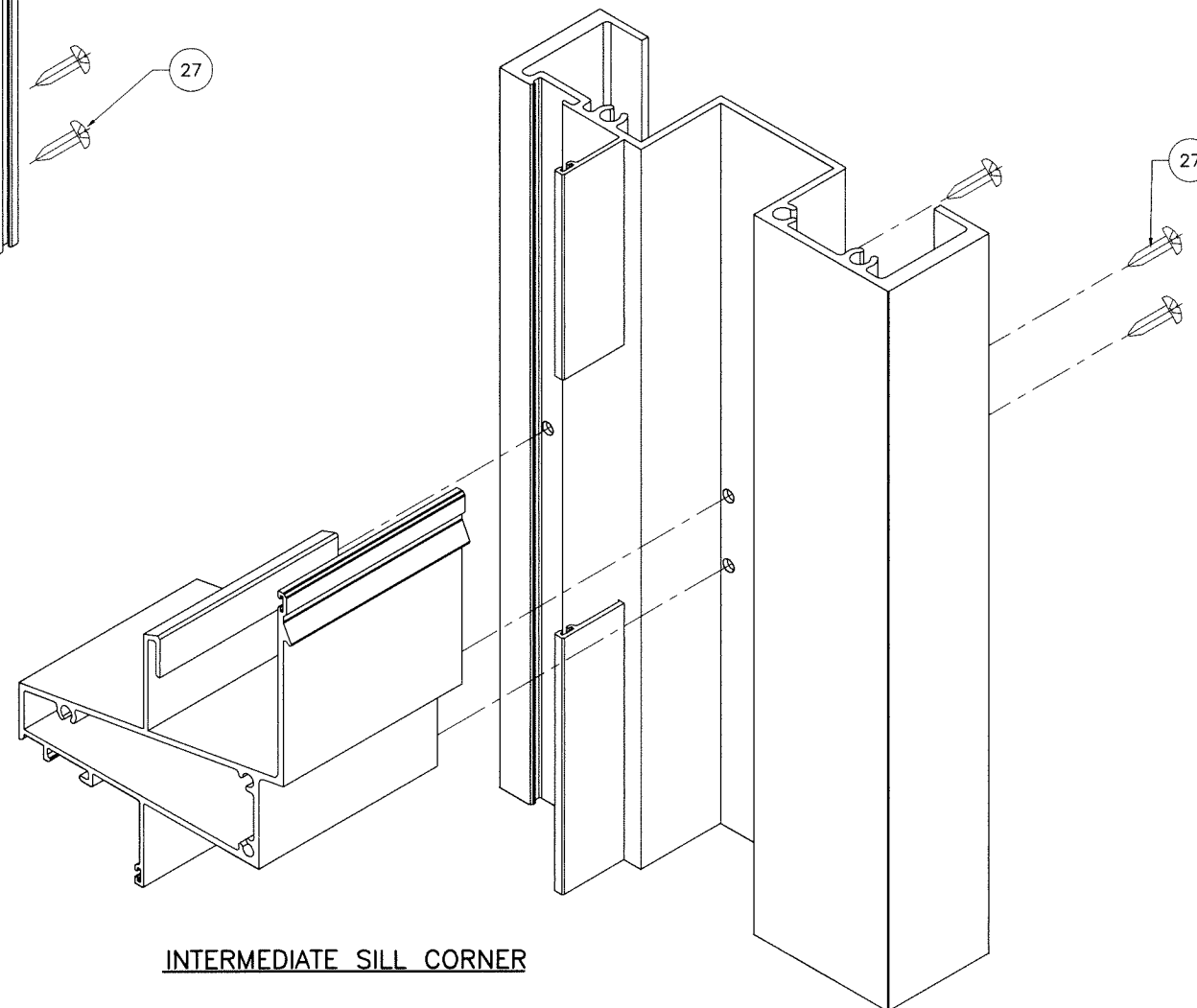
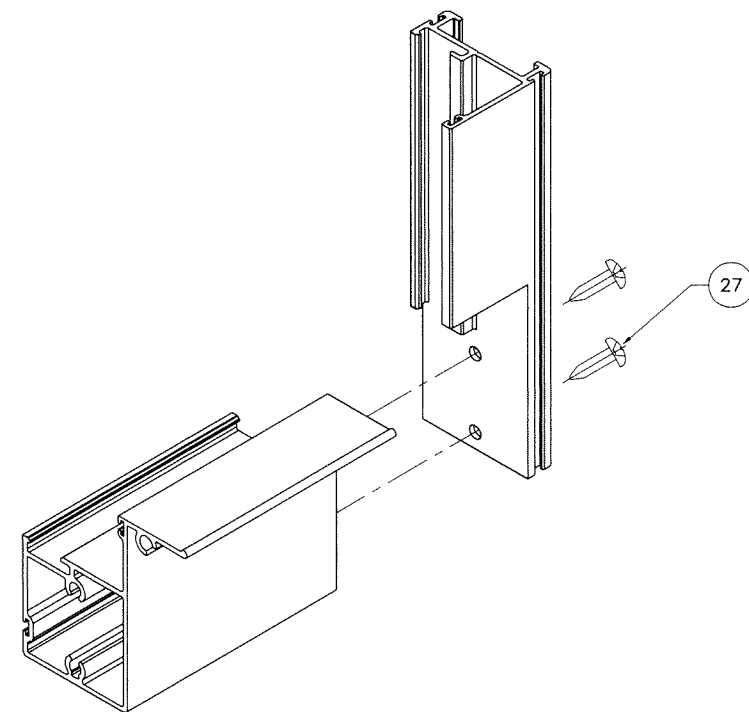
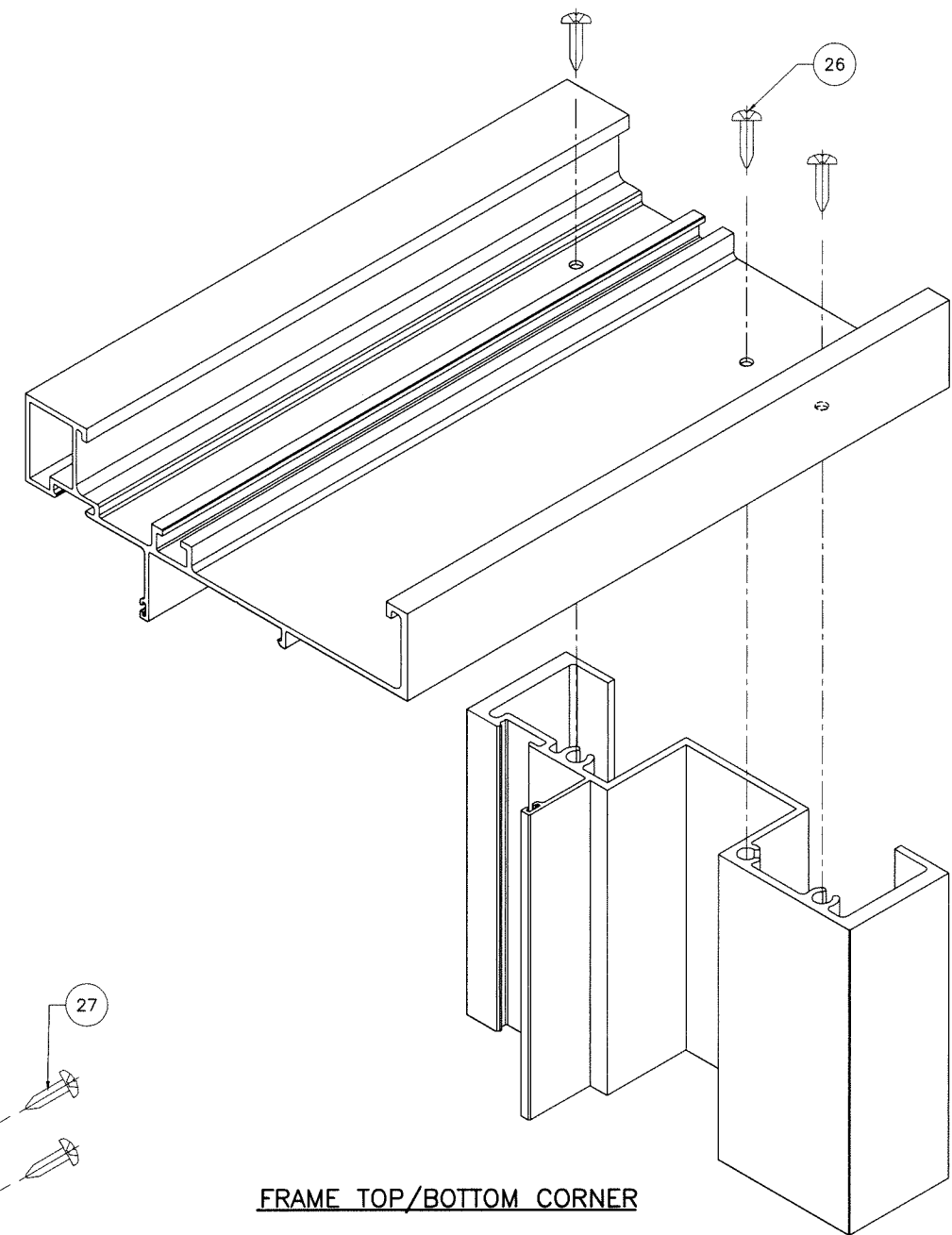
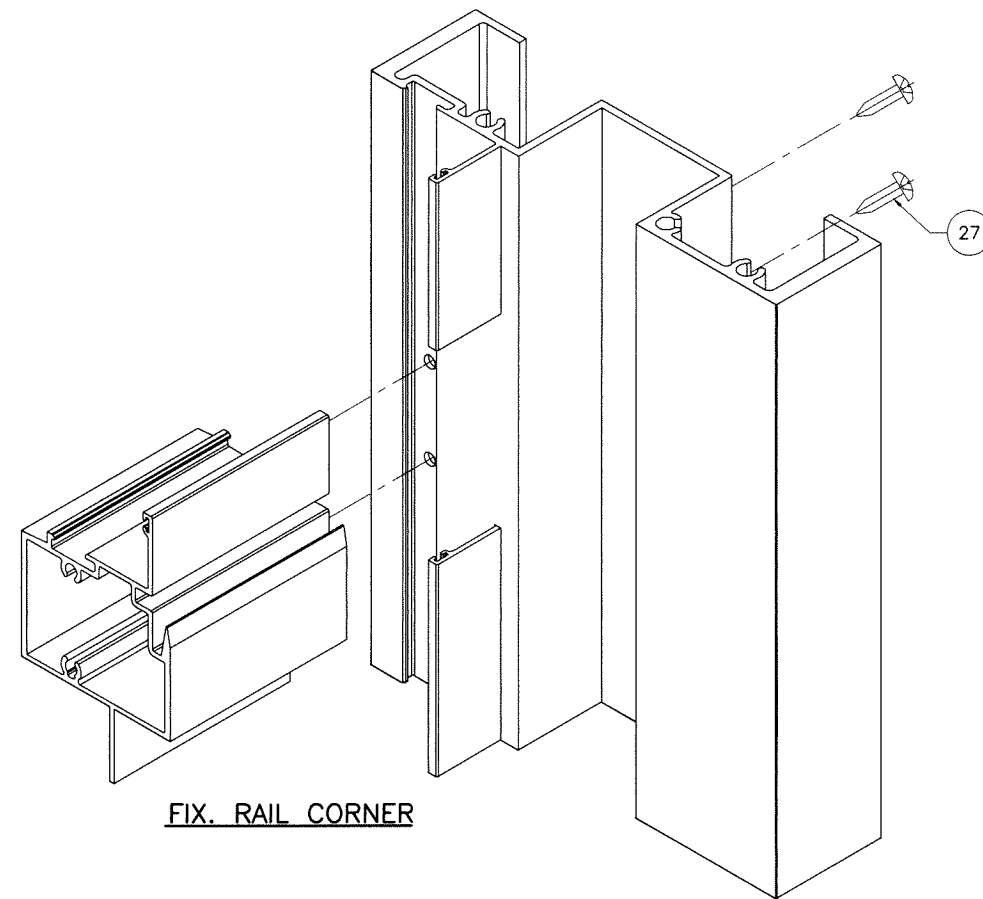
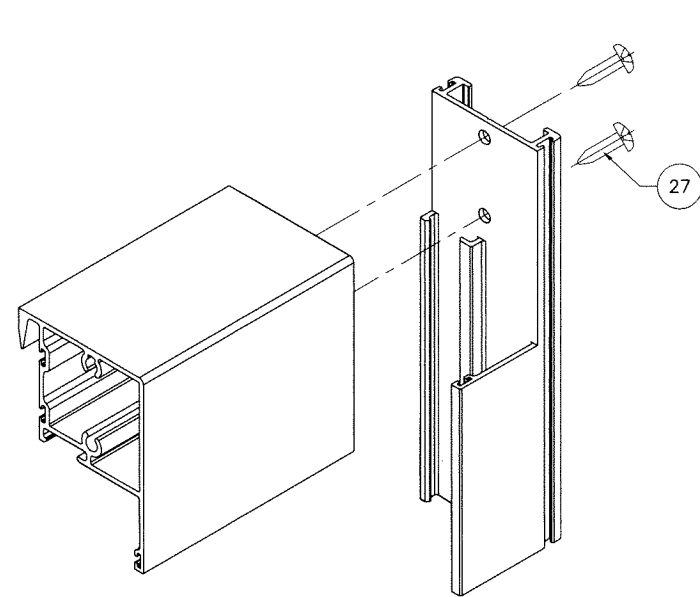
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