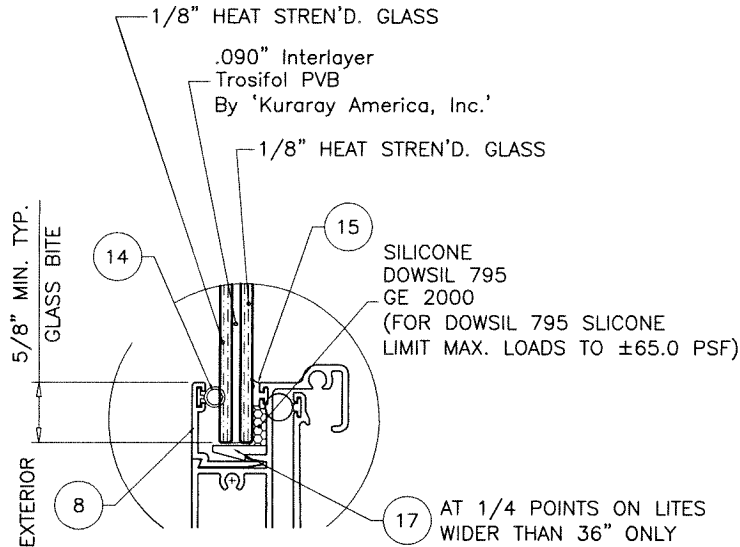


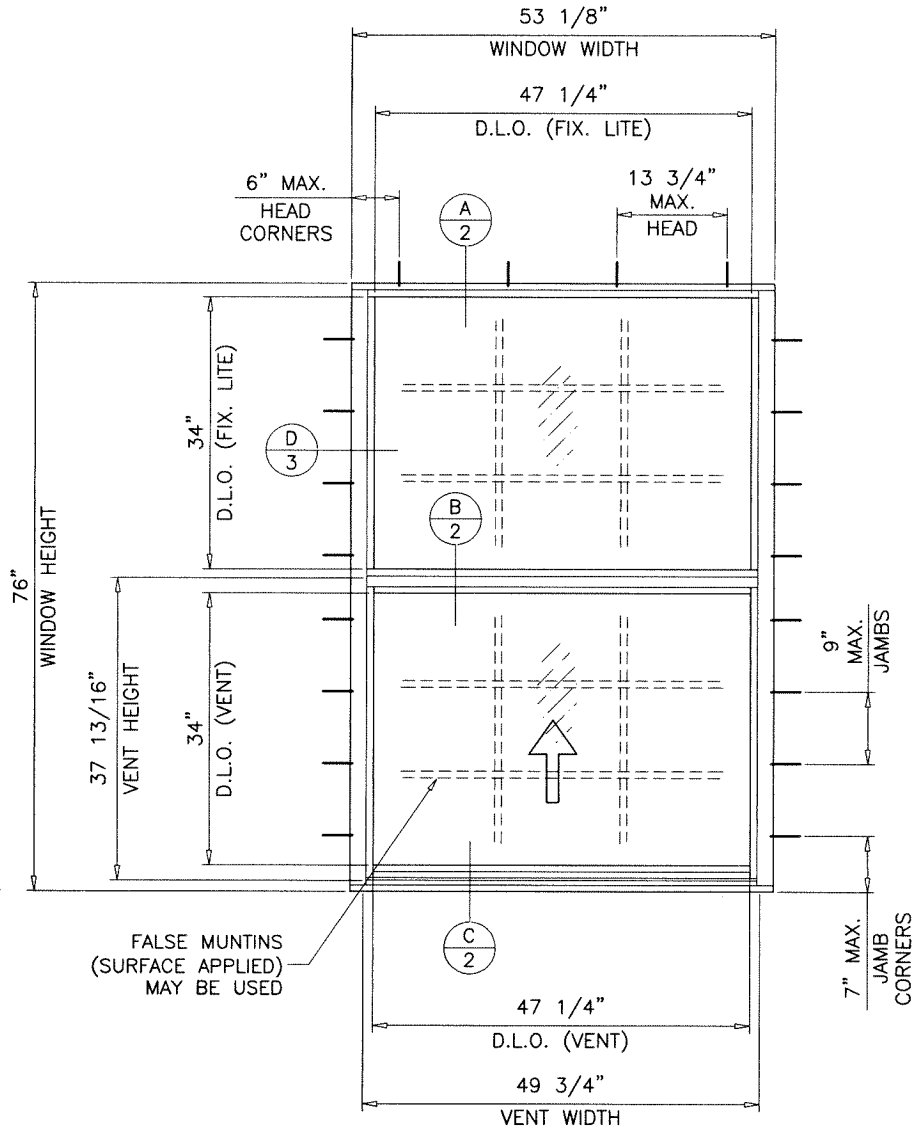
DESIGN LOAD CAPACITY - PSF			
FRAME DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	26"	65.0	80.0
26-1/2"		65.0	80.0
37"		65.0	80.0
53-1/8"		65.0	80.0
19-1/8"	38-3/8"	65.0	80.0
26-1/2"		65.0	80.0
37"		65.0	80.0
53-1/8"		65.0	80.0
19-1/8"	50-5/8"	65.0	80.0
26-1/2"		65.0	80.0
37"		65.0	80.0
53-1/8"		65.0	80.0
19-1/8"	56"	65.0	80.0
26-1/2"		65.0	80.0
37"		65.0	80.0
53-1/8"		65.0	80.0
19-1/8"	63"	65.0	80.0
26-1/2"		65.0	80.0
37"		65.0	80.0
53-1/8"		65.0	80.0
19-1/8"	72"	65.0	80.0
26-1/2"		65.0	80.0
37"		65.0	80.0
53-1/8"		65.0	80.0
19-1/8"	76"	65.0	80.0
26-1/2"		65.0	80.0
37"		65.0	80.0
53-1/8"		65.0	80.0

DESIGN LOAD CAPACITY - PSF			
FRAME DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
24"	36"	65.0	80.0
30"		65.0	80.0
36"		65.0	80.0
42"		65.0	80.0
48"	48"	65.0	80.0
24"		65.0	80.0
30"		65.0	80.0
36"		65.0	80.0
42"	60"	65.0	80.0
48"		65.0	80.0
24"		65.0	80.0
30"		65.0	80.0
36"	72"	65.0	80.0
42"		65.0	80.0
48"		65.0	80.0
24"	78"	65.0	80.0
30"		65.0	80.0
36"		65.0	80.0
42"	84"	65.0	80.0
48"		65.0	80.0
24"		65.0	80.0
30"		65.0	80.0
36"		65.0	80.0
42"		65.0	80.0
48"		65.0	80.0
24"		65.0	80.0



GLAZING DETAIL
5/16" OVERALL LAM. GLASS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



TYPICAL ELEVATION
TESTED UNIT

MG-350 ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ABOVE.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING F.B.C. APPROVED MULLIONS IN BETWEEN.

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

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.

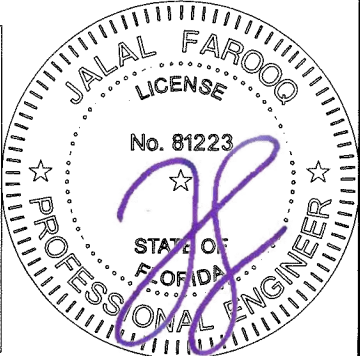
FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

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

Sealed: 10/9/2026

FL #41887

- 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.



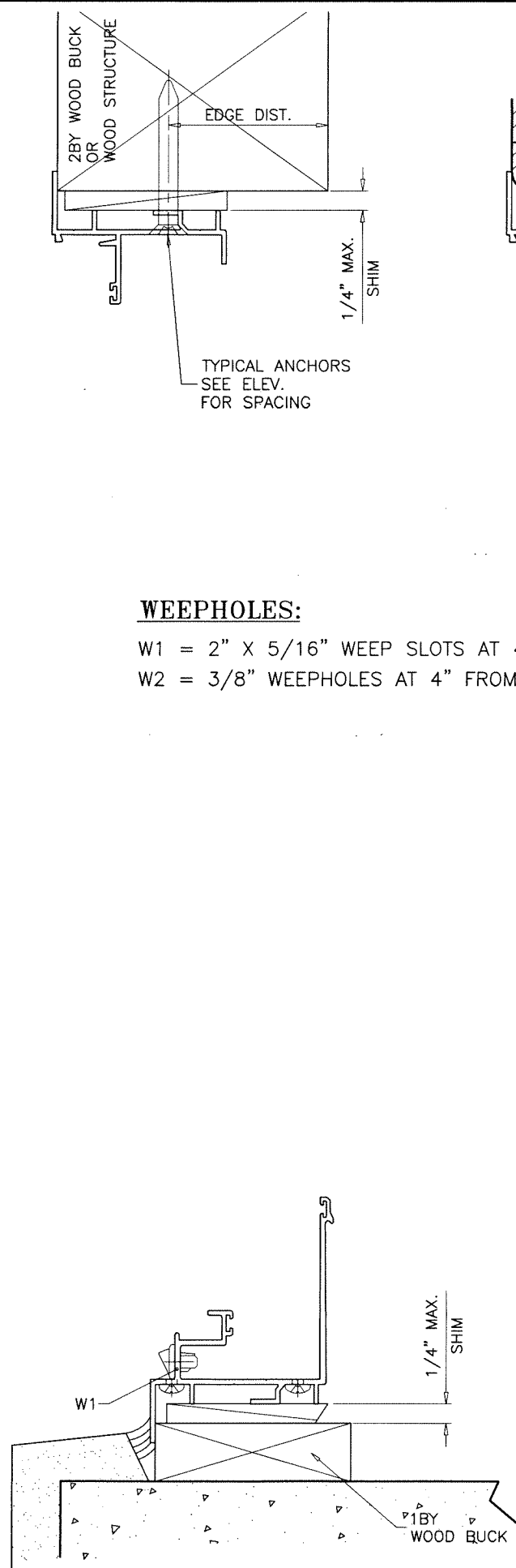
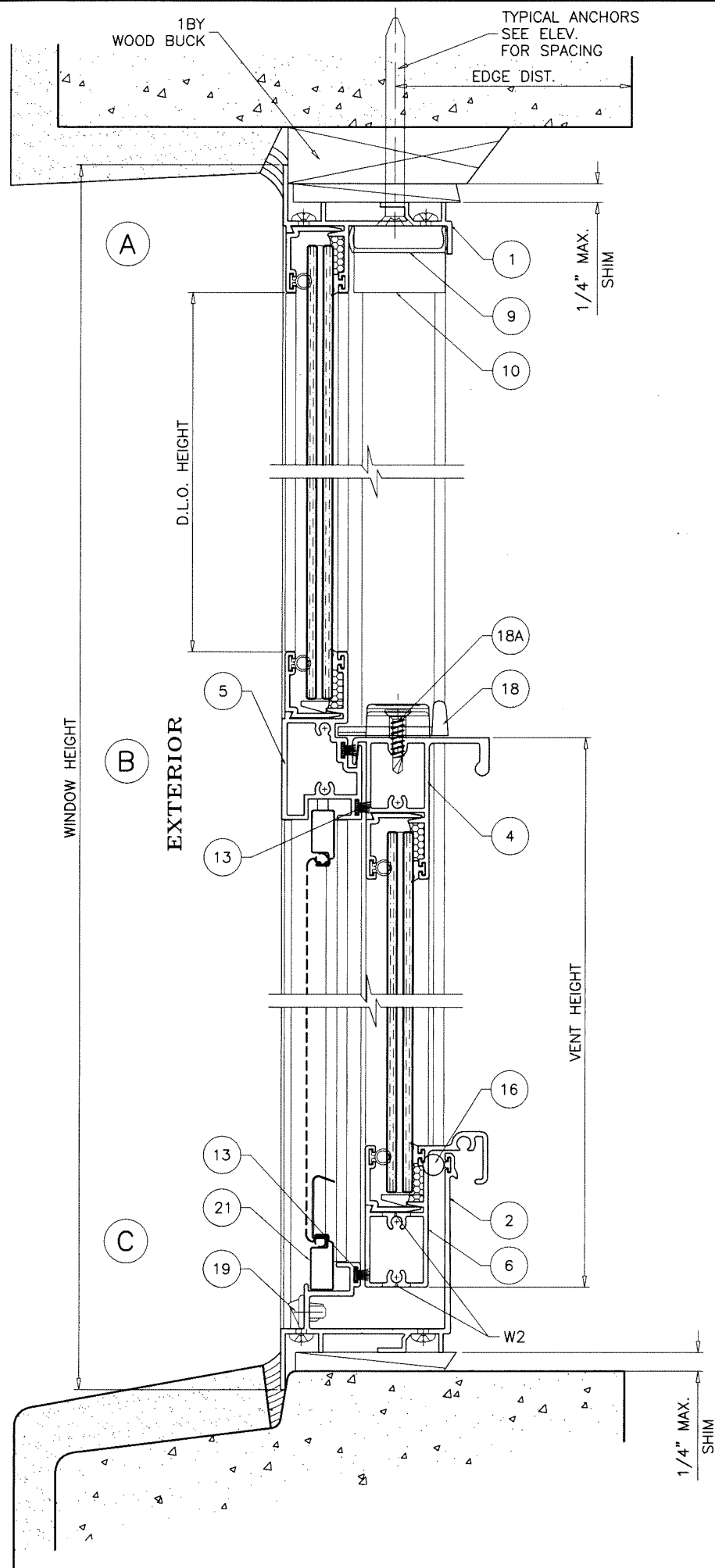
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #8538

MG-350 ALUMINUM SINGLE HUNG WDW. (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
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revisions:
no. date by description
A 07.18.23 UPDATED TO 2023 FBC
B 04.15.26 FLUSH FRAME ADAPTER ADDED
C 10.05.26 UPDATED TO 2026 FBC

date: 01-09-23
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
23-02F
sheet 1 of 5



WEEPHOLES:

W1 = 2" X 5/16" WEEP SLOTS AT 4" FROM EACH END
W2 = 3/8" WEEPHOLES AT 4" FROM EACH END

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/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

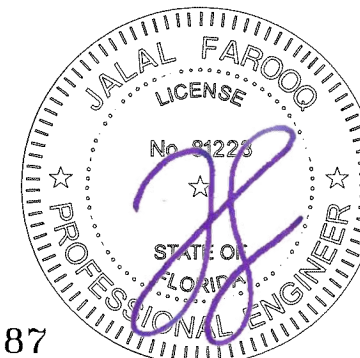
#14 SMS OR SELF-DRILLING SCREWS (GRADE 2 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

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.

Sealed: 10/9/2026

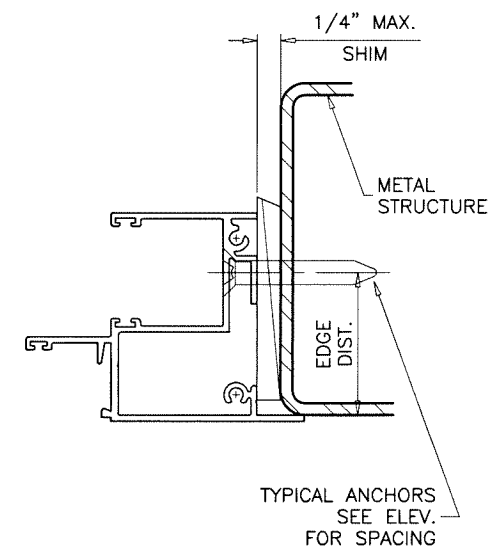
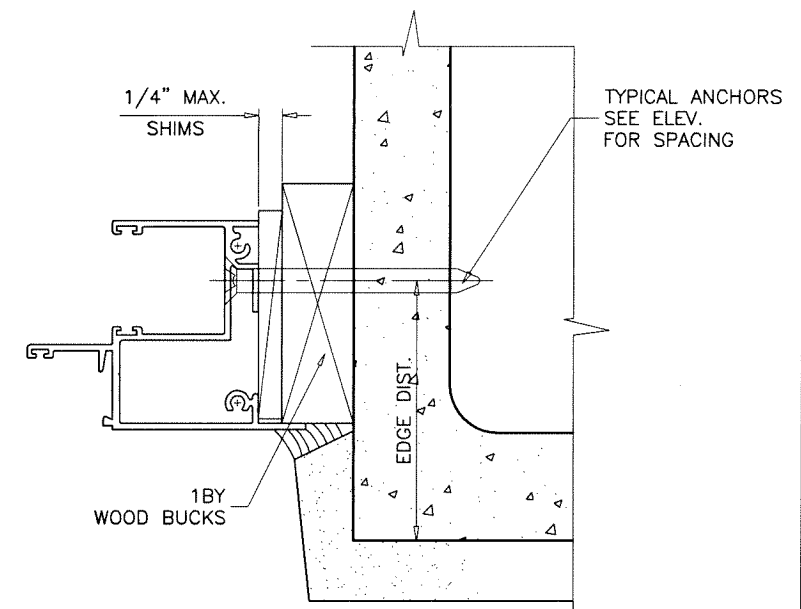
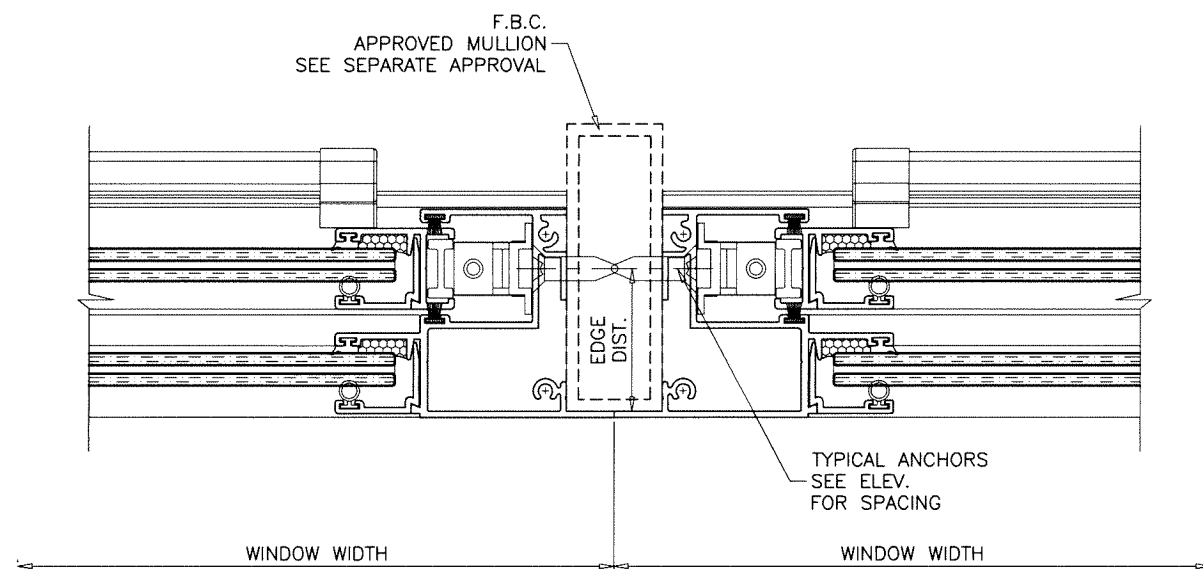
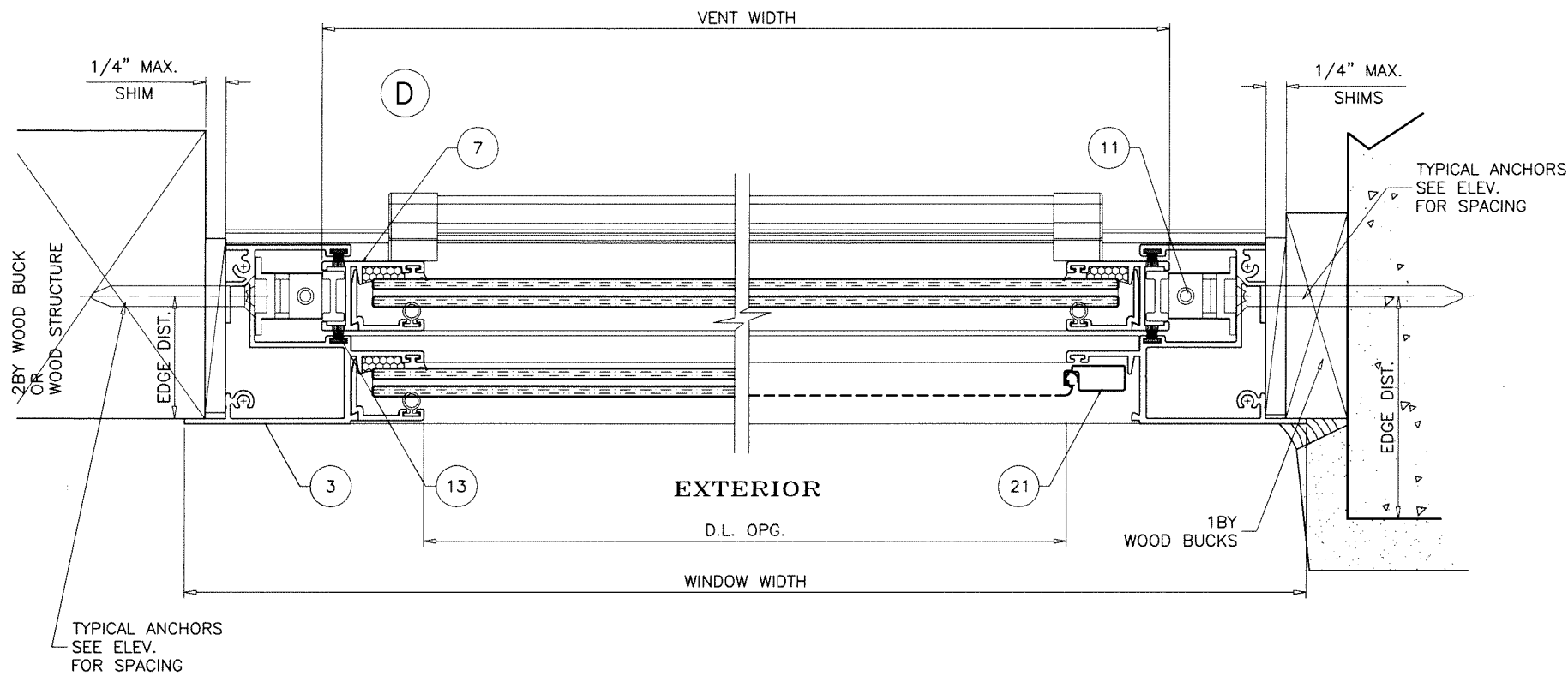


FL #41887

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F.B.C. #5538

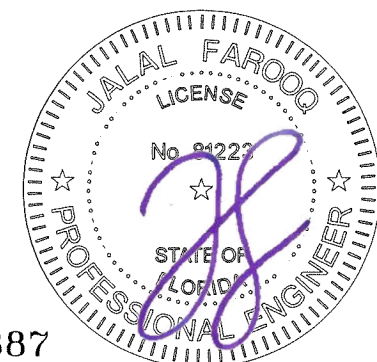
MG-350 ALUMINUM SINGLE HUNG WDW. (L.M.I.)
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revisions:	no	date	by	description
date:	01-09-23	scale:	1/2" = 1"	
dr. by:	TARIO	chk. by:		
drawing no.	23-02F	sheet	2 of 5	



Sealed: 10/9/2026

FL #41887

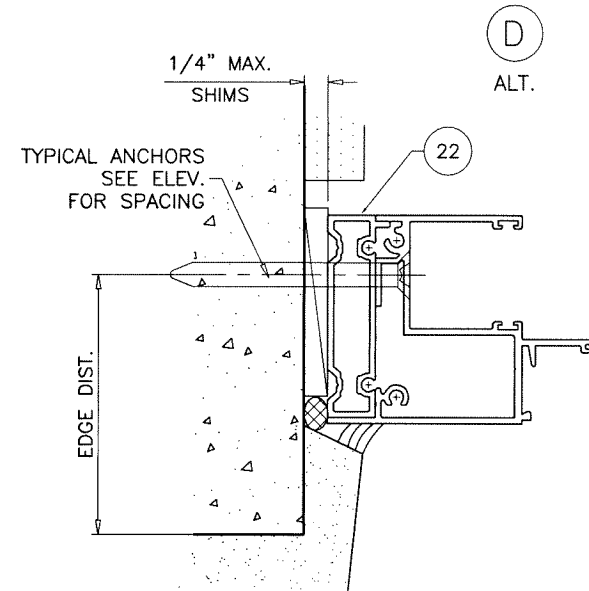
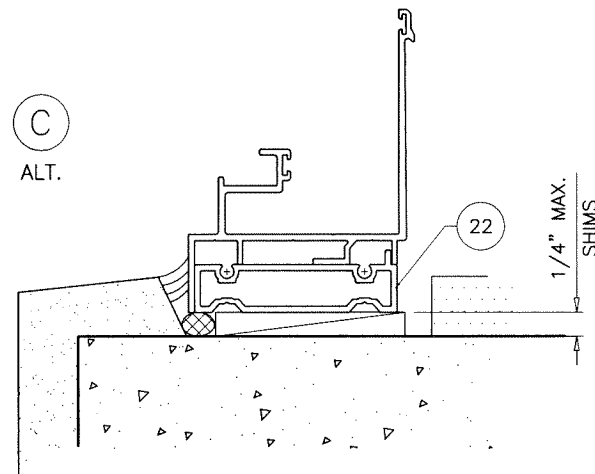
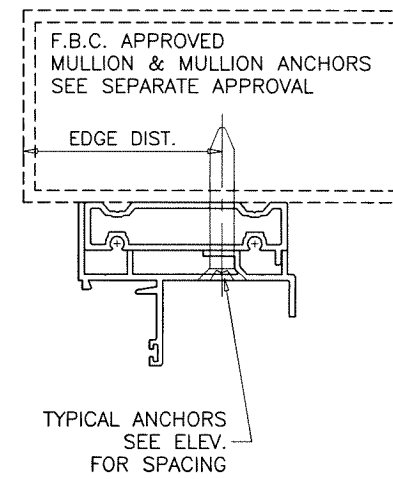
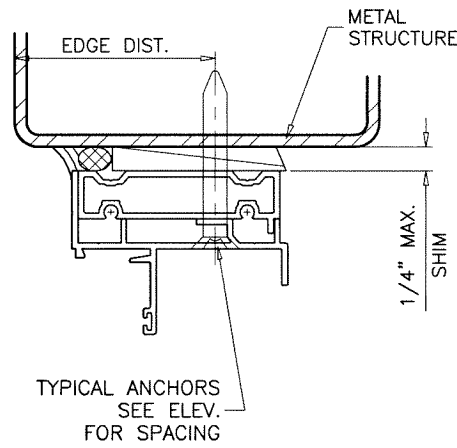
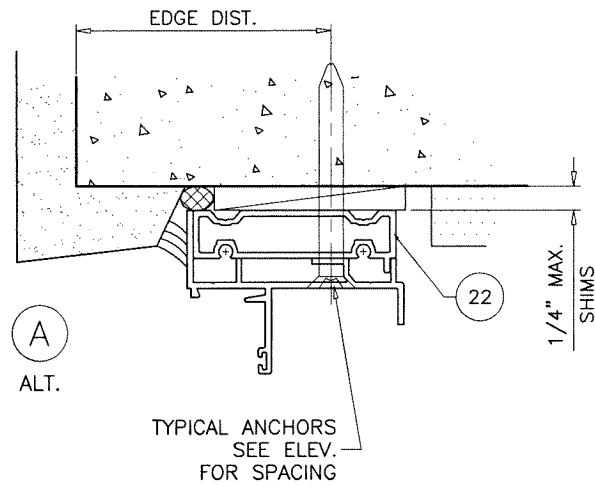


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revisions:		no date by description	
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drawing no.	23-02F		
sheet	3 of 5		

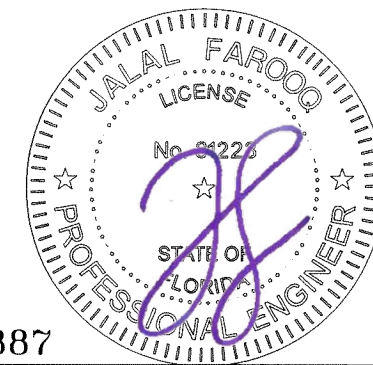
COMP-ANL 23-02F-MG



INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER
SEE SHEETS 2 & 3 FOR WINDOW DETAILS

Sealed: 10/9/2026

FL #41887



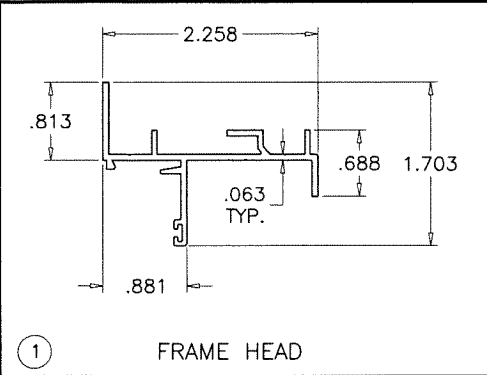
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COMP-ANL 23-02F-MG

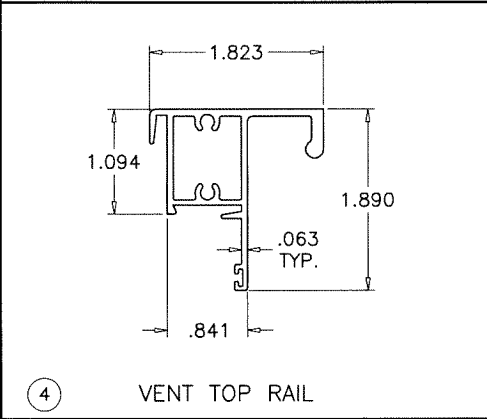
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no	description

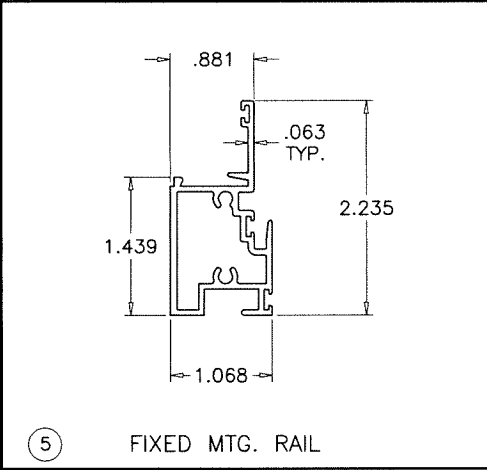
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sheet 3.1 of 5		5	



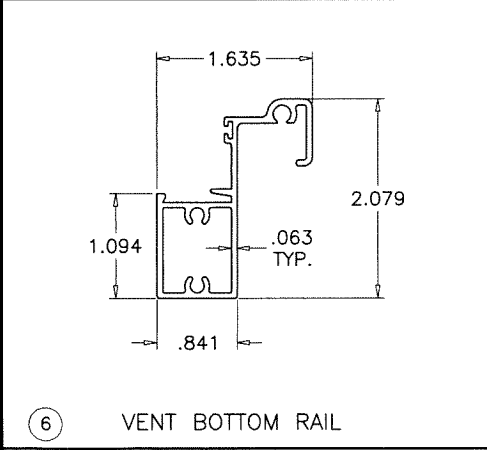
① FRAME HEAD



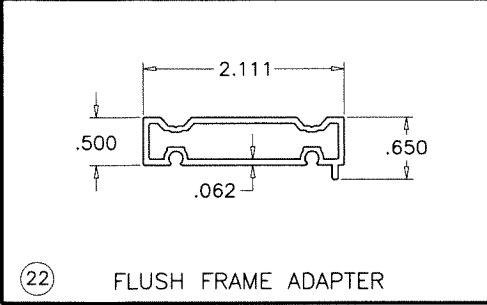
④ VENT TOP RAIL



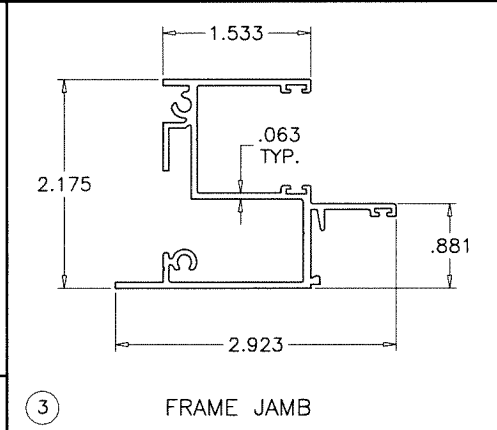
⑤ FIXED MTG. RAIL



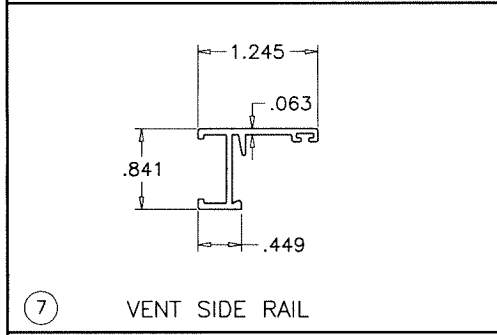
⑥ VENT BOTTOM RAIL



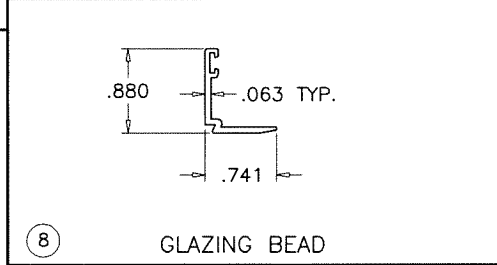
②② FLUSH FRAME ADAPTER



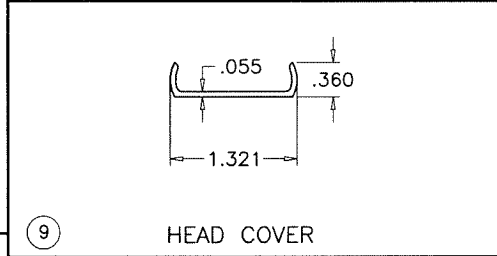
③ FRAME JAMB



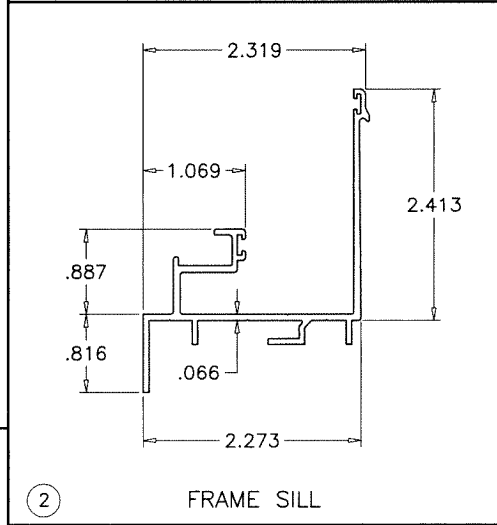
⑦ VENT SIDE RAIL



⑧ GLAZING BEAD



⑨ HEAD COVER



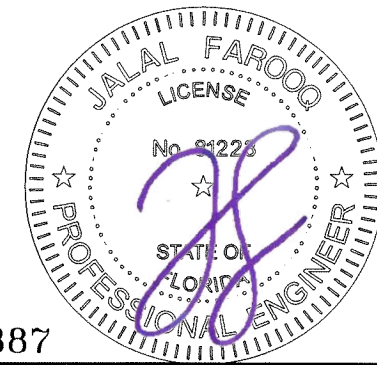
② FRAME SILL

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E-354	1	FRAME HEAD	6063-T6	-
2	E-353	2	FRAME SILL	6063-T6	-
3	E-352	2	FRAME JAMB	6063-T6	-
4	E-357	1/ VENT	VENT TOP RAIL	6063-T6	-
5	E-355	1	FIXED MTG. RAIL	6063-T6	-
6	E-358	1/ VENT	VENT BOTTOM RAIL	6063-T6	-
7	E-356	2/ VENT	VENT SIDE RAIL	6063-T6	-
8	E-361	AS REQD.	GLAZING BEAD	6063-T6	-
9	E-365	AS REQD.	HEAD COVER	6063-T5	-
10	E-366	AS REQD.	VENT STOP	6063-T5	-
11	-	2/ VENT	BLOCK & TACKLE BALANCE	-	-
12	#8 X 1-1/2"	AS REQD.	FRAME/VENT ASSEMBLY SCREWS	ST. STEEL	PH SMS
13	G35-01	AS REQD.	FIN SEAL W'STRIPPING (.19 X .187)	-	ULTRAFAB
14	G20-07	AS REQD.	EXTERIOR GLAZING GASKET	NEOPRENE	ULTRAFAB
15	G25-01	AS REQD.	INTERIOR GLAZING GASKET	NEOPRENE	CPI
16	G25-03	AS REQD.	SILL W'STRIPPING	VINYL/FOAM	AMESBURY
17	G35-02	AS REQD.	SETTING BLOCKS, AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
18	L2-01	2/ VENT	SWEEP LATCH, AT 9" FROM EACH END	ZAMAK	SULLIVAN & ASSOC.
18A	#8 X 1"	2/ LATCH	LATCH INST. SCREW	ST. STEEL	FH SMS
19	G2-01	2/ WDW.	HI-FLOW WEEPER	-	PREFERRED ENGINEERING PRODUCTS
20	-	2/ VENT	VENT GUIDE	-	IDH
21	-	1/ VENT	5/16" BOX SCREEN	-	OPTIONAL
22	E-364	AS REQD.	FLUSH FRAME ADAPTER	6063-T6	-

SEALANTS:

ALL FRAME AND VENT CORNERS AND FIXED MEETING RAIL AT EACH END SEALED WITH ALUMINUM COLORED SEALANT.

Sealed: 10/9/2026



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