

DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPES 'A','Ai','B'&'C'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
18-1/8"	25"	80.0	70.0
25-1/2"		80.0	70.0
36"		80.0	70.0
18-1/8"	37-3/8"	80.0	70.0
25-1/2"		80.0	70.0
36"		80.0	70.0
18-1/8"	49-5/8"	80.0	70.0
25-1/2"		80.0	70.0
36"		80.0	70.0
18-1/8"	55"	80.0	70.0
25-1/2"		80.0	70.0
36"		80.0	70.0
18-1/8"	62"	80.0	70.0
25-1/2"		80.0	70.0
36"		80.0	70.0
18-1/8"	71"	80.0	70.0
25-1/2"		80.0	70.0
36"		80.0	70.0
18-1/8"	75"	80.0	70.0
25-1/2"		80.0	70.0
36"		80.0	70.0

DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPES 'A','Ai','B'&'C'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
17"	35"	80.0	70.0
23"		80.0	70.0
29"		80.0	70.0
37"		80.0	70.0
41"		80.0	70.0
47"		80.0	70.0
17"	47"	80.0	70.0
23"		80.0	70.0
29"		80.0	70.0
37"		80.0	70.0
41"		80.0	70.0
47"		80.0	70.0
17"	59"	80.0	70.0
23"		80.0	70.0
29"		80.0	70.0
37"		80.0	70.0
41"		80.0	70.0
47"		80.0	70.0
17"	71"	80.0	70.0
23"		80.0	70.0
29"		80.0	70.0
37"		80.0	70.0
41"		80.0	70.0
47"		80.0	70.0
17"	83"	80.0	70.0
23"		80.0	70.0
29"		80.0	70.0
37"		80.0	70.0
41"		80.0	70.0
47"		80.0	70.0
17"	89"	80.0	70.0
23"		80.0	70.0
29"		80.0	70.0
37"		80.0	70.0
41"		80.0	70.0
47"		79.7	70.0

Series Euro Aluminum Casement 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 CASMT./CASMT. OR CASEMENT 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) 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.

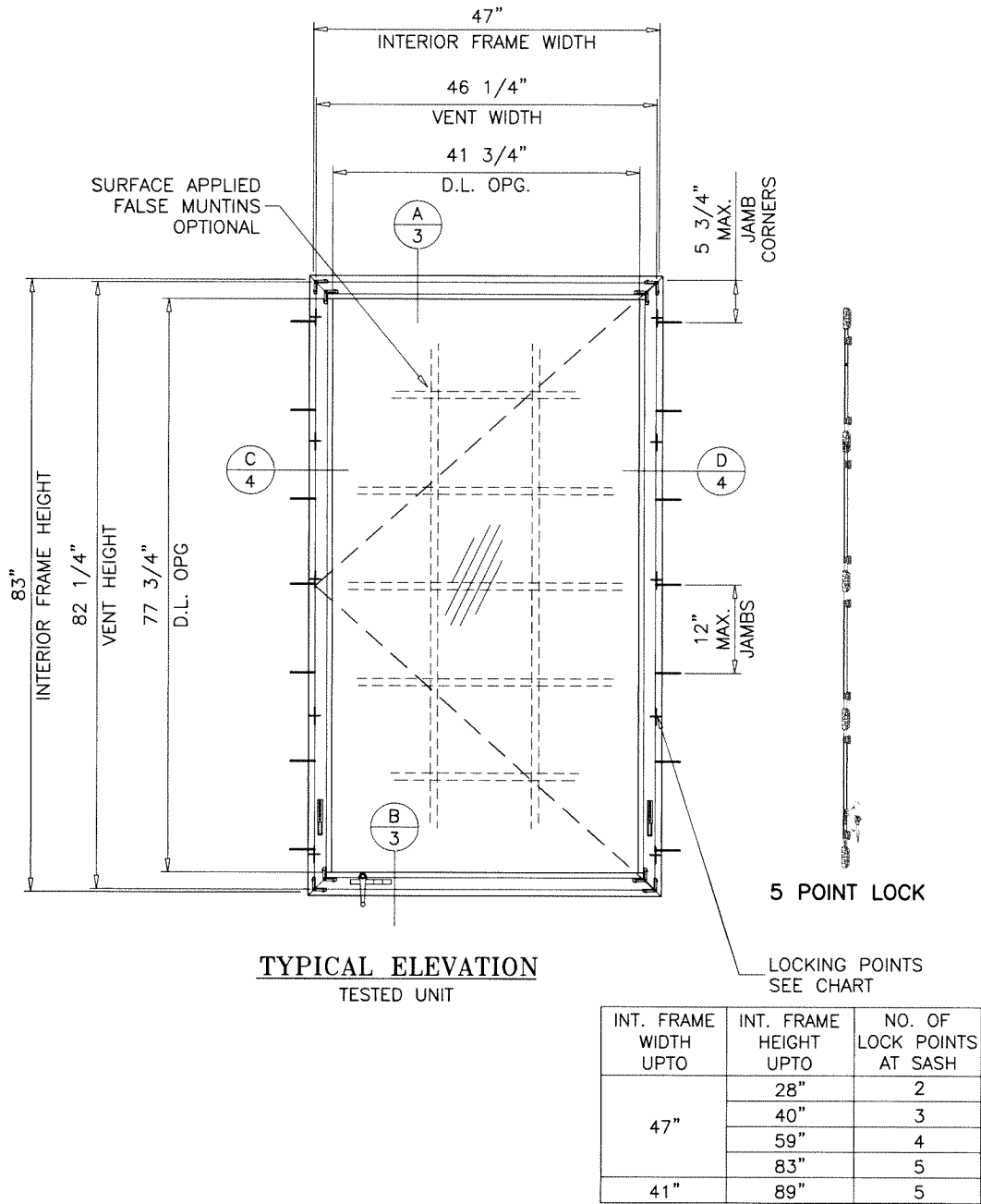
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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.

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



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

Sealed 2-14-25

FL #47343

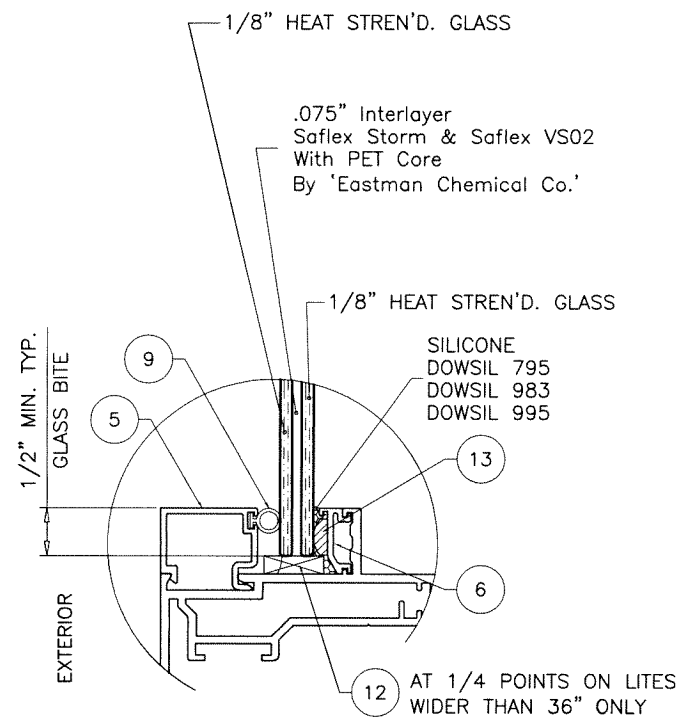
A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
C- SITE 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.



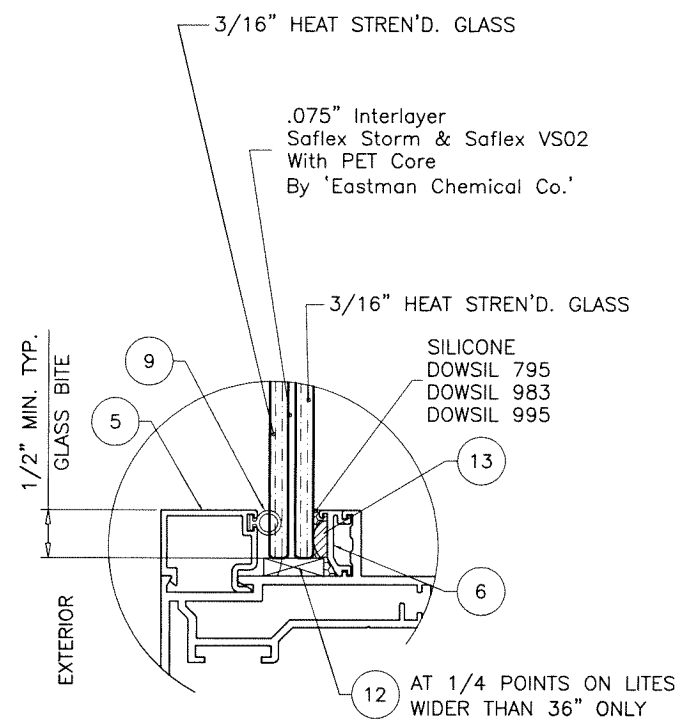
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
COMP-ANL\25-17F-AAG

Series Euro Aluminum Casement Window (I.M.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive, Suite 101
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Tel. (954) 784-6900 Fax. (954) 784-6901

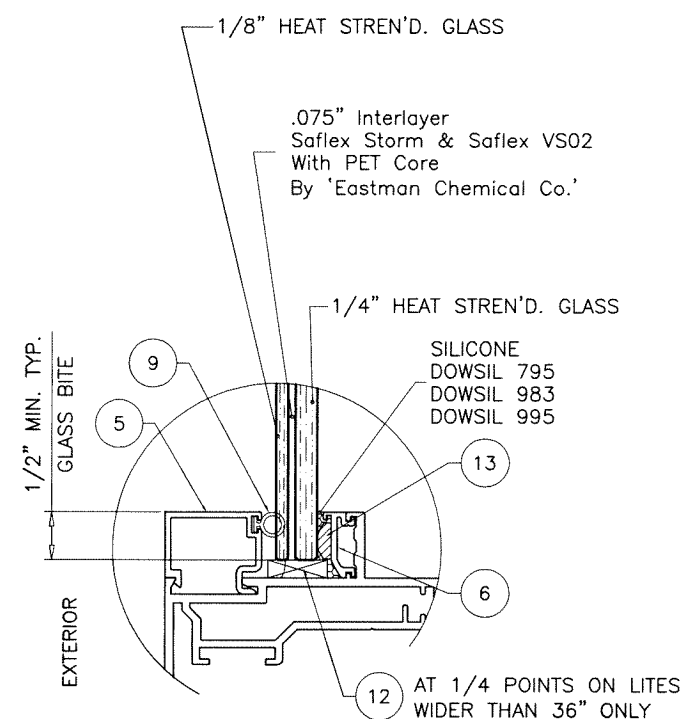
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chk. by:
drawing no.
25-17F
sheet 1 of 6



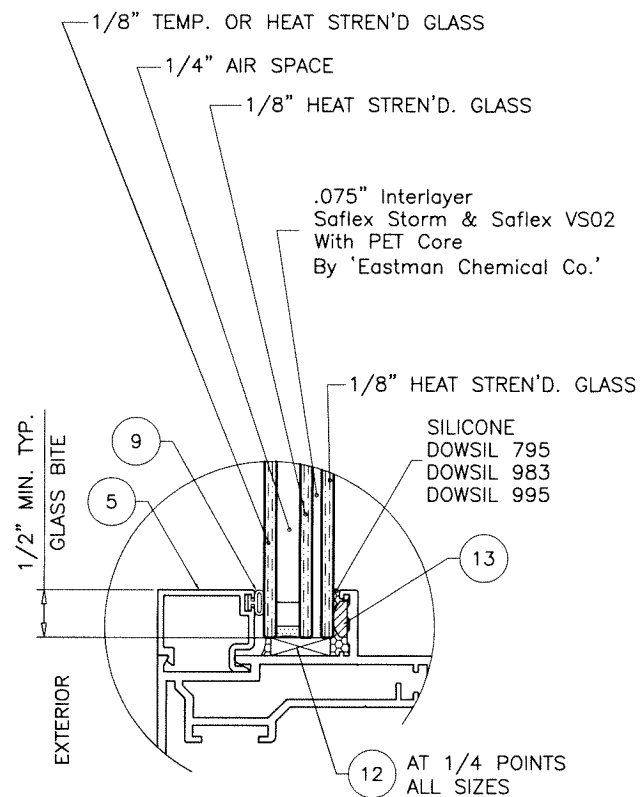
GLASS TYPE 'A'
5/16" OVERALL LAM. GLASS



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



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

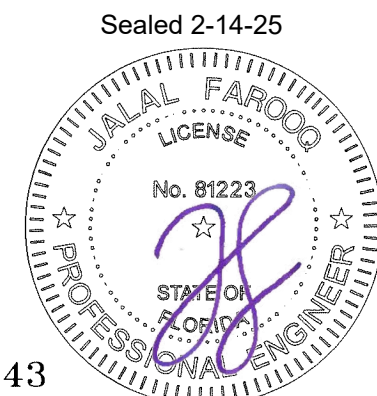


GLASS TYPE 'Ai'
11/16" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS

1/4" AIR SPACE CONSISTING OF:
'DURASEAL' EDGE SEAL SYSTEM
BY 'QUANEX'

NOTE:
TO QUALIFY FOR SMALL MISSILE IMPACT RATING
EXTERIOR PLY OF GLASS TYPES 'Ai' MUST BE TEMPERED.

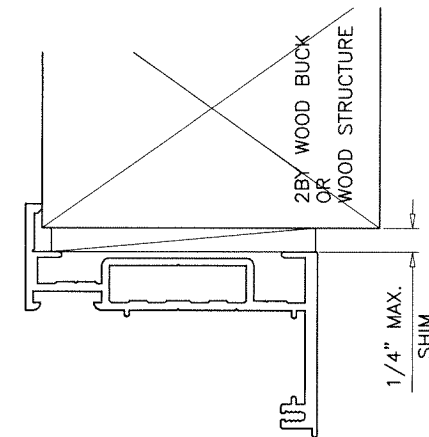
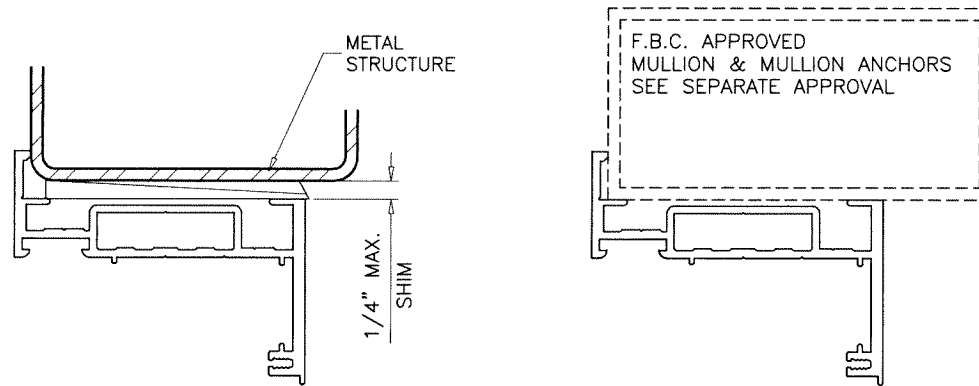
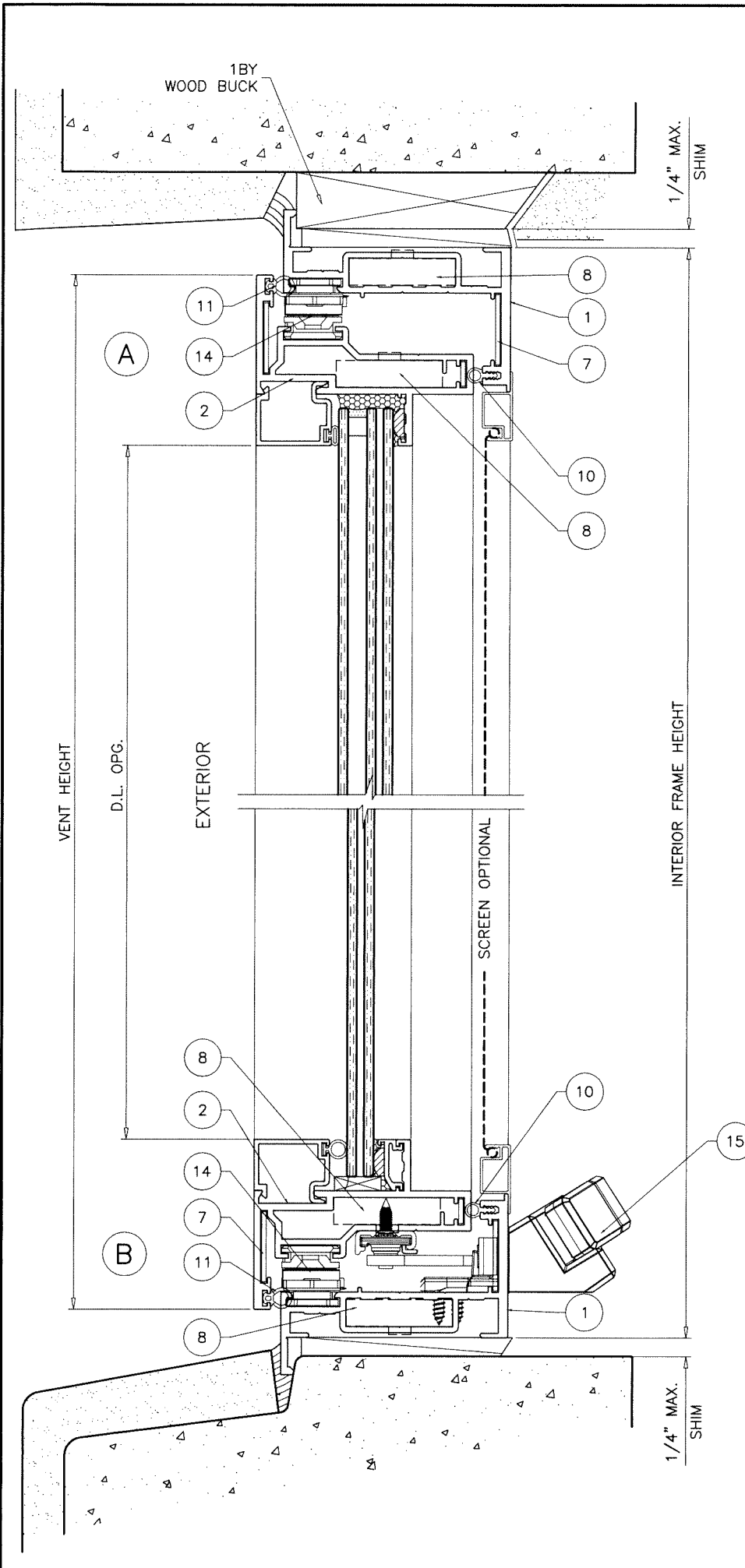


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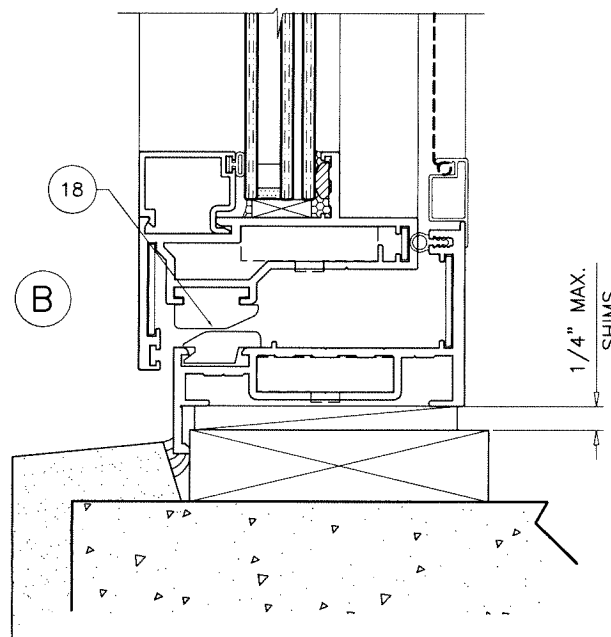
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chk. by:		chk. by:		chk. by:	
drawing no.		drawing no.		drawing no.	
25-17F		25-17F		25-17F	
sheet 2 of 6		sheet 2 of 6		sheet 2 of 6	



WOOD BUCKS AND METAL STRUCTURE NOT BY 'ALDORA' 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' ($F_u=164$ KSI, $F_y=148$ KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

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

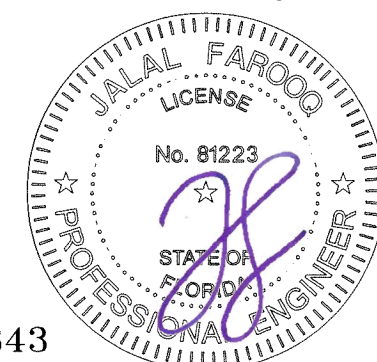
1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 2 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS
 AND
 INTO METAL STRUCTURES (JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM 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 2-14-25

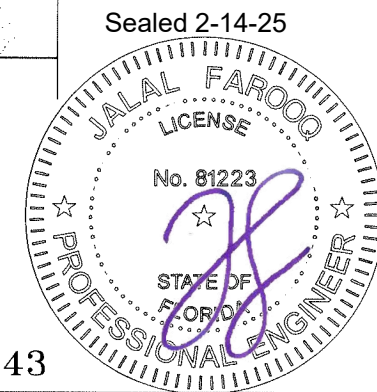
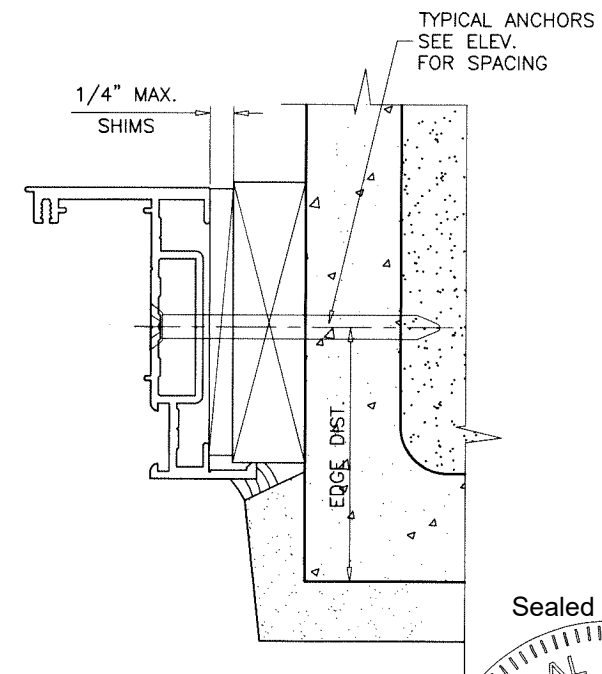
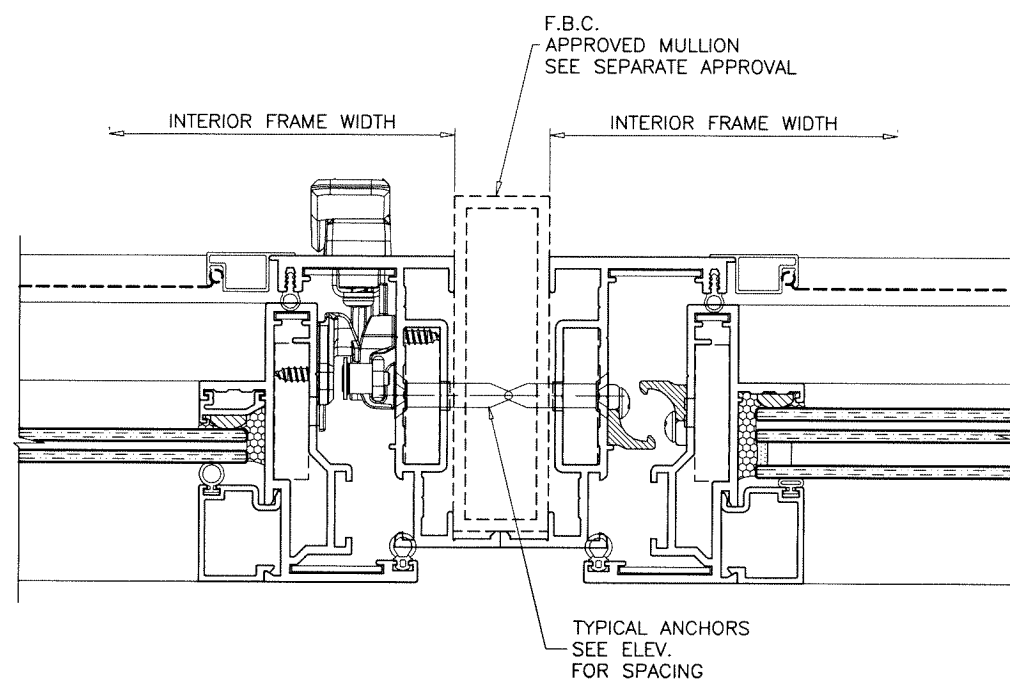
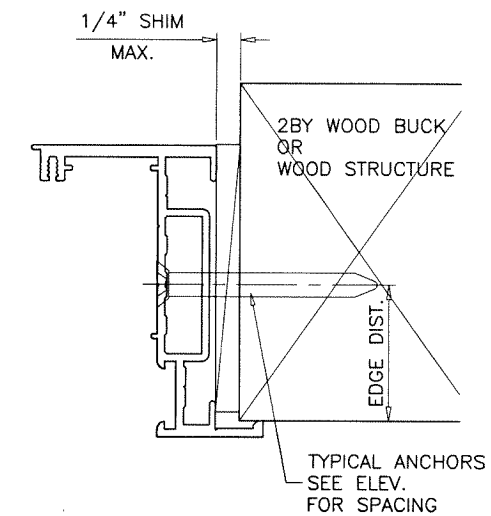
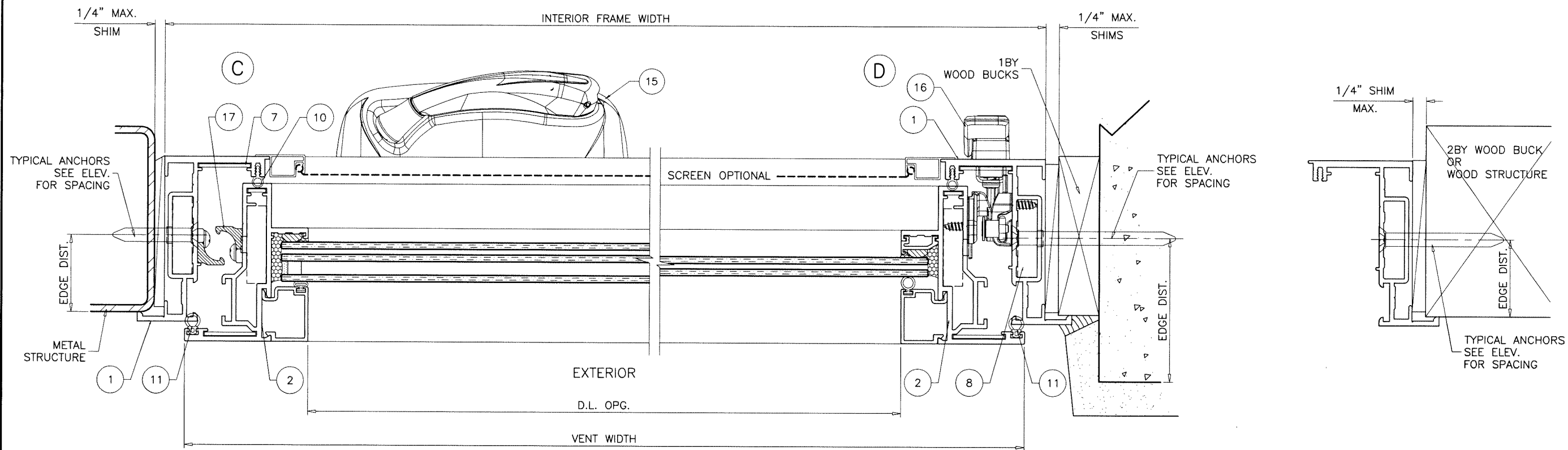


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dr. by:	TARIC	chk. by:	
drawing no.	25-17F		
sheet	3 of 6		



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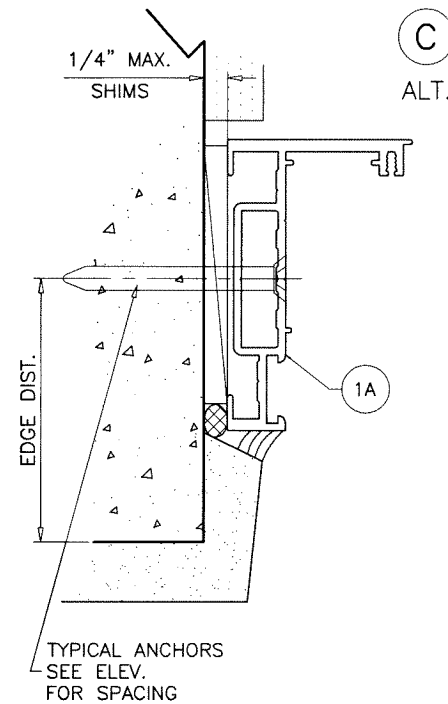
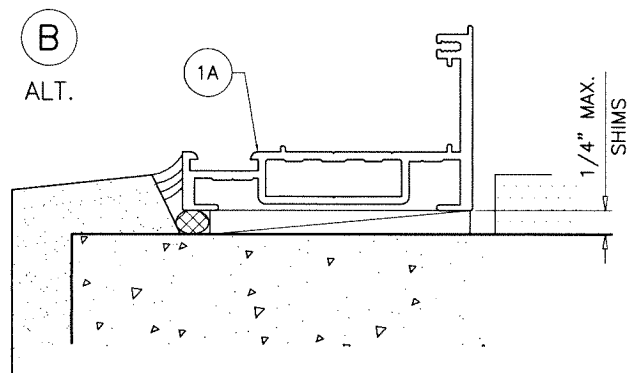
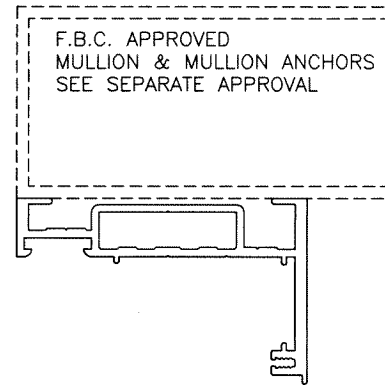
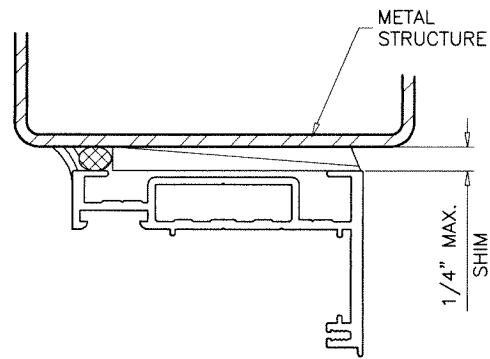
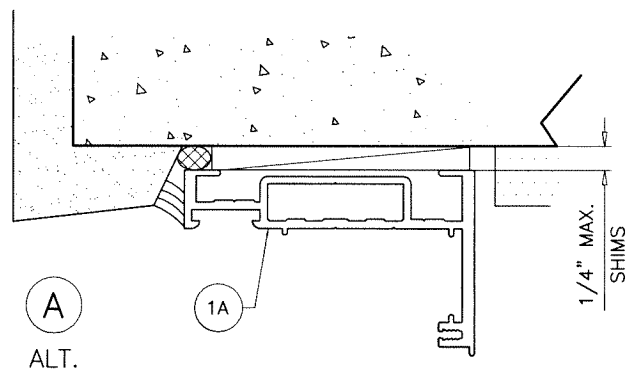
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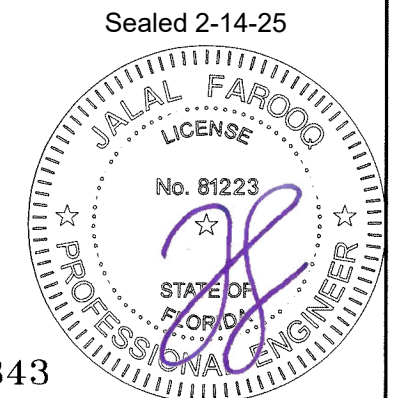
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25-17F

sheet 4 of 6



INSTALLATION DETAILS WITH FLUSH FRAMES
SEE SHEETS 3 & 4 FOR WINDOW DETAILS



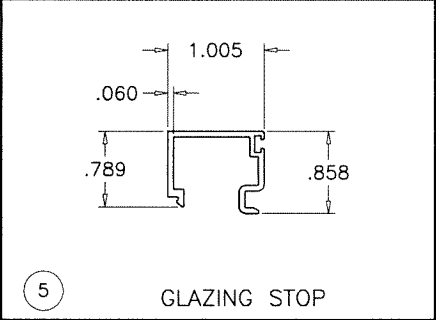
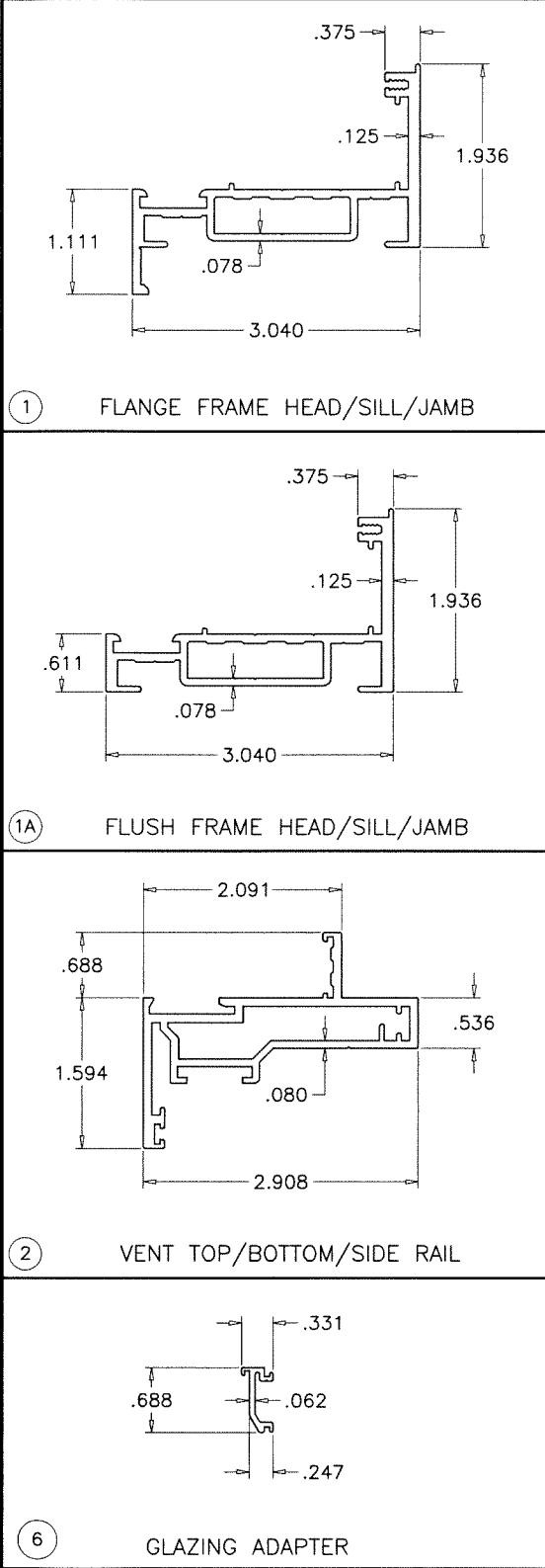
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25-17F
sheet 5 of 6



LOCKS:

MULTI POINT LOCK SYSTEM #CL02 BY 'INTERLOCK'
AT FRAME JAMBS
LOCK OPERATOR #CL09-0237 AT 10" FROM BOTTOM
FASTENED TO JAMBS WITH (2) #10 X 1/2" PPH SELF TAPPING SCREWS
LOCK BAR SECURED TO JAMB WITH LOCK GUIDES #CL02-2083 & CL02-2078 STRIKE
SPACED AT 6" O.C. MAX.
EACH GUIDE FASTENED WITH (3) #8 X 1/2" PFH SELF TAPPING SCREWS

PLASTIC KEEPERS #CL02-2046-030 AT VENT
EACH FASTENED WITH (4) #8 X 1/2" PFH SELF TAPPING SCREWS

HINGES: OPTION #1

5 BAR ST/ST EURO HINGE #59-5012 BY 'CALDWELL'
LOCATED AT TOP AND BOTTOM CORNERS
FASTENED WITH (3) #10 X 1/2" PPH SELF TAPPING SCREWS

HINGES: OPTION #2

5 BAR ST/ST HINGES MAGICUBE 180 BY 'FAPIM'
LOCATED AT TOP AND BOTTOM CORNERS
FASTENED WITH (3) #10 X 1/2" PPH SELF TAPPING SCREWS

OPERATOR:

SINGLE ARM ROTO OPERATOR BY 'INTERLOCK'
LOCATED AT SILL END
FASTENED WITH (8) #8 X 5/8" PFH SELF TAPPING SCREWS
OPERATOR TRACK AT BOTTOM RAIL
FASTENED WITH (3) #8 X 1/2" PFH SELF TAPPING SCREWS
AT SILL FRAME

RISER BLOCKS:

'1550/1551' RISER BLOCKS BY 'CALDWELL' LOCATED AT
MIDSPAN OF FRAME SILL
EACH FASTENED WITH (1) #10 X 3/8" SET SCREW

SNUBBERS:

'1678' EURO-GROVE SNUBBERS BY 'CALDWELL' LOCATED AT
HINGE JAMB AT 11" FROM TOP & BOTTOM AND AT MIDSPAN
EACH FASTENED WITH (2) #10 X 1/2" P FH SDS.

SECURITY DEVICE:

'ASD2' VECTOR EXCLUDER BY 'SECURISTYLE' LOCATED AT
FRAME HINGE JAMB (2) AT 9" FROM ENDS
FASTENED WITH (2) #10 X 1/2" P FH SDS.

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
DOWSIL 795 SEALANT.

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SMI-840	4/ WDW.	FLANGE FRAME	6063-T6	-
1A	SMI-840	4/ WDW.	FLUSH FRAME	6063-T6	-
2	SMI-839	4/ WDW.	VENT	6063-T6	-
5	SMI-827	4/ LITE	GLAZING BEAD	6063-T6	-
6	SMI-822	4/ LITE	GLAZING ADAPTER	6063-T6	-
7	-	AS REQD.	CORNER GUIDE	ALUMINUM	-
8	-	AS REQD.	CORNER KEY	CAST ALUM	MONTICELLI
9	SMI-B02	AS REQD.	GLAZING GASKET	EPDM	PRICAL
10	SMI-B09	AS REQD.	FRAME W'STRIPPING	EPDM	PRICAL
11	SMI-B10	AS REQD.	VENT W'STRIPPING	EPDM	-
12	SMI-SB14	2/ LITE	SETTING BLOCK (3/16" X 1/2" X 4" LONG)	EPDM	DUROMETER 80±5 SHORE A
13	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE
14	-	2/ VENT	HINGES	-	CALDWELL/FAPIM
15	-	1/ VENT	OPERATOR	-	INTERLOCK
16	-	2/ VENT	MULTI POINT LOCK	-	INTERLOCK
17	-	1/ WDW.	VECTOR EXCLUDER SECURITY DEVICE	-	SECURISTYLE
18	-	1/ WDW.	RISER BLOCKS AT MIDSPAN	-	CALDWELL
19	-	3/ WDW.	SNUBBERS	-	CALDWELL



FL #47343

AL-FAROOQ CORPORATION
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Series Euro Aluminum Casement Window (I.M.I.)

Aldora Aluminum & Glass Products Inc.
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Coral Springs, FL 33065
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revisions:

no	date	by	description

date: 01-24-25
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
25-17F
sheet 6 of 6