

LUX THERMAL OUTSWING CASEMENT WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE VENT(X) OR DUAL VENTS(XX) WINDOWS, ALSO SIDE BY SIDE COMBINATIONS OF CASMT./CASMT. OR CASMT. WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MULLIONS IN BETWEEN.

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.

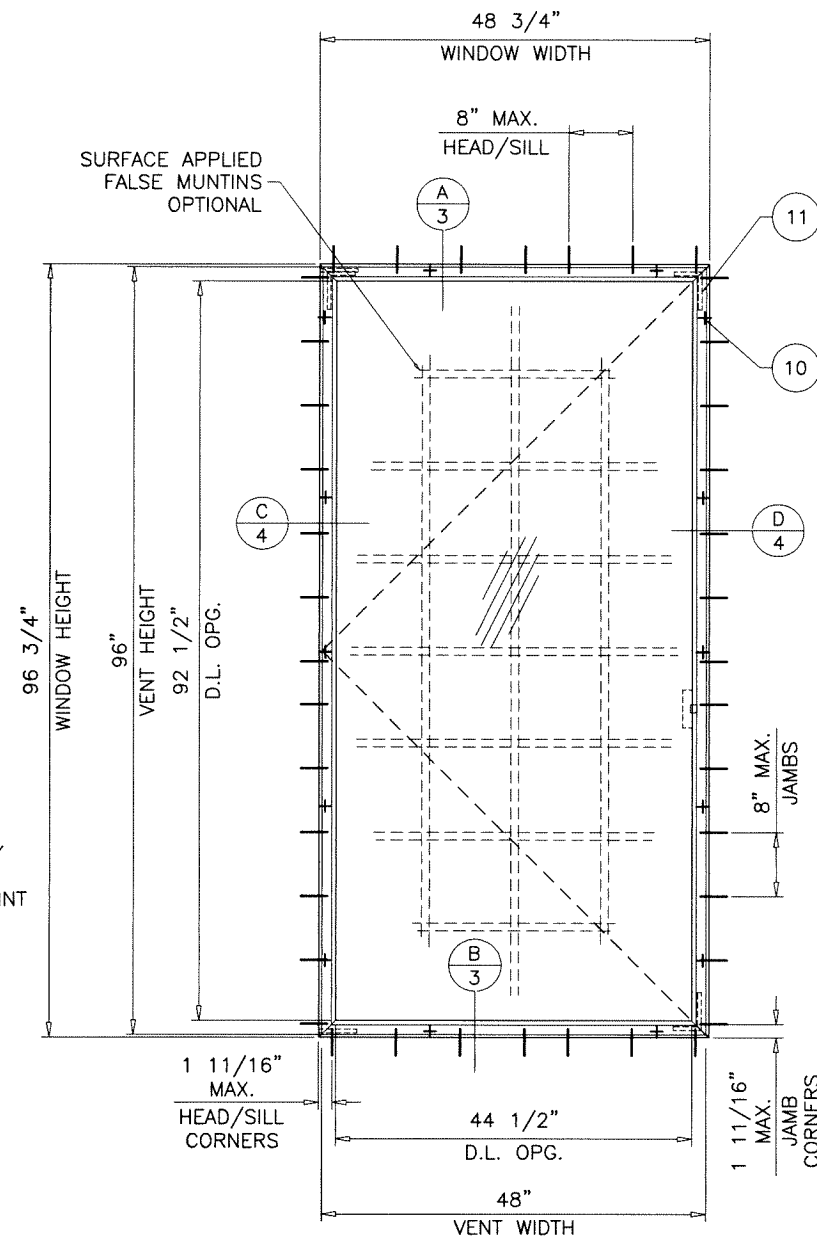
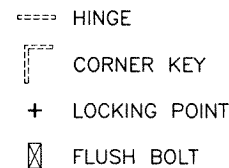
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.

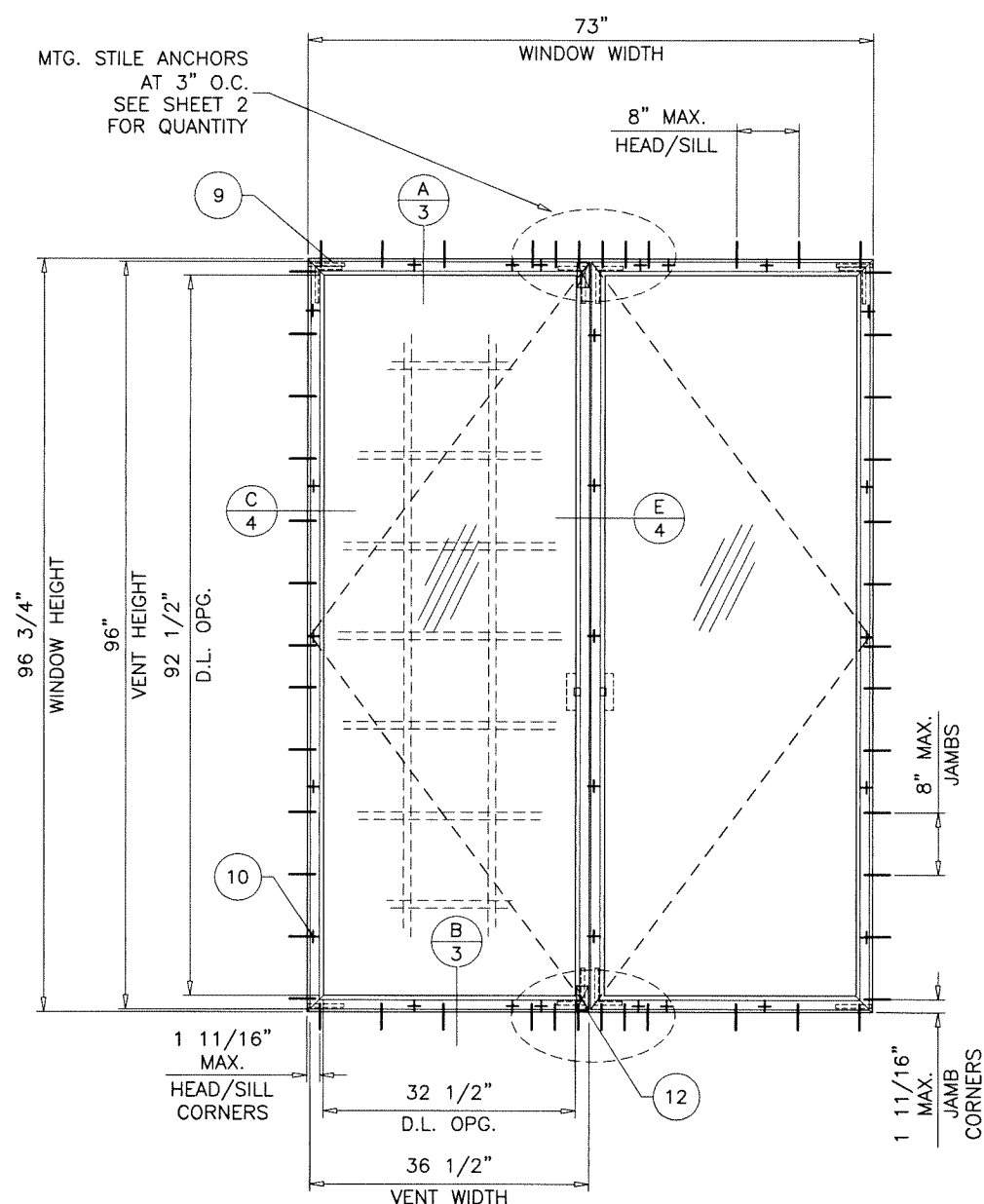
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, 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.



SINGLE VENT (X)



DUAL VENTS (XX)

TYPICAL ELEVATIONS

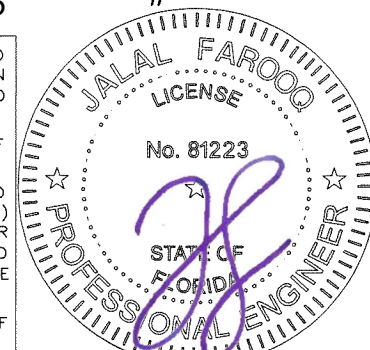
TESTED UNITS

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

Sealed: 12/10/2025

FL #47934

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.



LUX THERMAL OUTSWING CASEMENT WDW. (L.M.I.)

Viewscapes

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revisions:		by description	
no	date		
09-22-25			
scale:	1/2" = 1'-0"	dr. by:	TARIQ
		chk. by:	

drawing no.

25-82F

sheet 1 of 7

AL-FAROOQ CORPORATION
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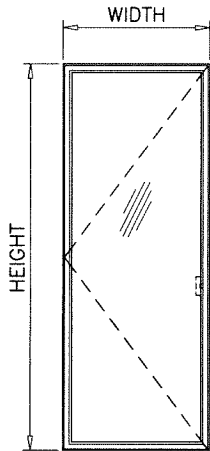
CASEMENT WDWS. (X SIZES) DESIGN LOAD CAPACITY - PSF			
WINDOW FRAME DIMS.		1-1/2" OVERALL INSUL. LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
19-1/8"	26"	65.0	65.0
26-1/2"		65.0	65.0
37"		65.0	65.0
19-1/8"	38-3/8"	65.0	65.0
26-1/2"		65.0	65.0
37"		65.0	65.0
19-1/8"	50-5/8"	65.0	65.0
26-1/2"		65.0	65.0
37"		65.0	65.0
19-1/8"	63"	65.0	65.0
26-1/2"		65.0	65.0
37"		65.0	65.0
19-1/8"	72"	65.0	65.0
26-1/2"		65.0	65.0
37"		65.0	65.0
19-1/8"	76"	65.0	65.0
26-1/2"		65.0	65.0
37"		65.0	65.0

CASEMENT WDWS. (X SIZES) DESIGN LOAD CAPACITY - PSF			
WINDOW FRAME DIMS.		1-1/2" OVERALL INSUL. LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
24"	60"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48-3/4"		65.0	65.0
54"		65.0	65.0
60"		65.0	65.0
24"	72"	65.0	65.0
36"		65.0	65.0
42"		65.0	65.0
48-3/4"		65.0	65.0
54"	96-3/4"	65.0	65.0
24"		65.0	65.0
36"		65.0	65.0
42"	96-3/4"	65.0	65.0
48-3/4"		65.0	65.0

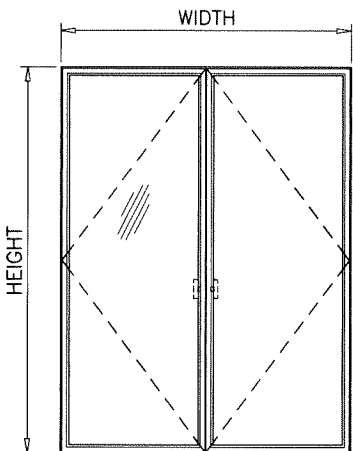
CASEMENT WDWS. (XX SIZES) DESIGN LOAD CAPACITY - PSF				
WINDOW FRAME DIMS.		1-1/2" OVERALL INSUL. LAM. GLASS		NUMBER OF ANCHORS AT MTG. STILE
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	
37"	26"	65.0	65.0	1
53-1/8"		65.0	65.0	1
73"		65.0	65.0	1
37"		65.0	65.0	1
53-1/8"	38-3/8"	65.0	65.0	1
73"		65.0	65.0	2
37"		65.0	65.0	1
53-1/8"		65.0	65.0	2
73"		65.0	65.0	3
37"	50-5/8"	65.0	65.0	2
53-1/8"		65.0	65.0	2
73"		65.0	65.0	3
37"		65.0	65.0	2
53-1/8"	63"	65.0	65.0	2
73"		65.0	65.0	3
37"		65.0	65.0	2
53-1/8"		65.0	65.0	3
73"		65.0	65.0	4
37"	72"	65.0	65.0	2
53-1/8"		65.0	65.0	3
73"		65.0	65.0	4
37"		65.0	65.0	2
53-1/8"	76"	65.0	65.0	3
73"		65.0	65.0	4

CASEMENT WDWS. (XX SIZES) DESIGN LOAD CAPACITY - PSF				
WINDOW FRAME DIMS.		1-1/2" OVERALL INSUL. LAM. GLASS		NUMBER OF ANCHORS AT MTG. STILE
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	
48"	48"	65.0	65.0	1
60"		65.0	65.0	2
73"		65.0	65.0	3
84"		65.0	65.0	3
96"		65.0	65.0	3
102"		65.0	65.0	4
108"		65.0	65.0	4
114"		65.0	65.0	4
120"		65.0	65.0	4
48"	60"	65.0	65.0	2
60"		65.0	65.0	3
73"		65.0	65.0	3
84"		65.0	65.0	4
96"		65.0	65.0	4
102"		65.0	65.0	5
108"		65.0	65.0	5
114"		65.0	65.0	5
48"	72"	65.0	65.0	2
60"		65.0	65.0	3
73"		65.0	65.0	4
84"		65.0	65.0	5
96"		65.0	65.0	5
48"	84"	65.0	65.0	3
60"		65.0	65.0	4
73"		65.0	65.0	6
84"		65.0	65.0	7
48"	96-3/4"	65.0	65.0	4
60"		65.0	65.0	5
73"		65.0	65.0	6

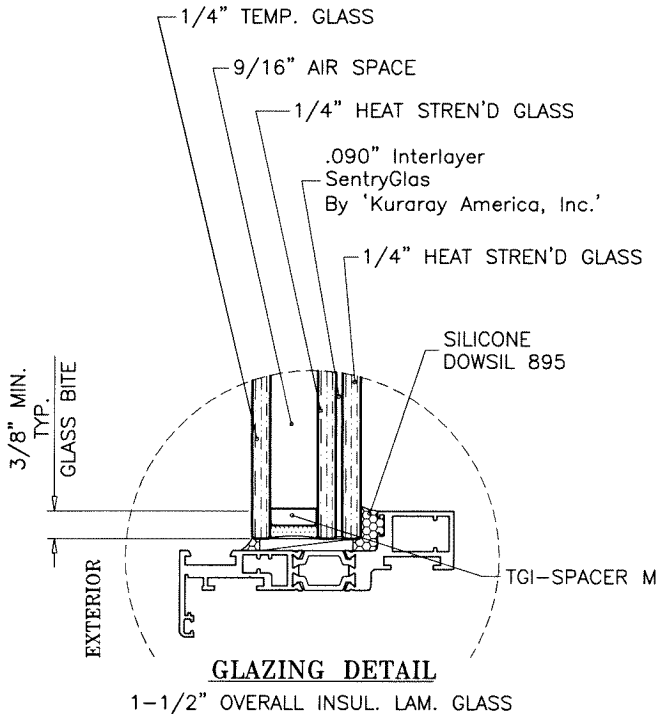
NOTE:
CLUSTER OF ANCHORS AT MTG. STILE LOCATIONS REQUIRED
FOR INSTALLATIONS THRU WINDOW FRAMES
AND INSTALLATIONS WITH NAIL-FIN
MTG. STILE CLUSTER NOT REQUIRED FOR STEEL STRAPS



SINGLE VENT (X)



DUAL VENTS (XX)



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

Sealed: 12/10/2025



FL #47934



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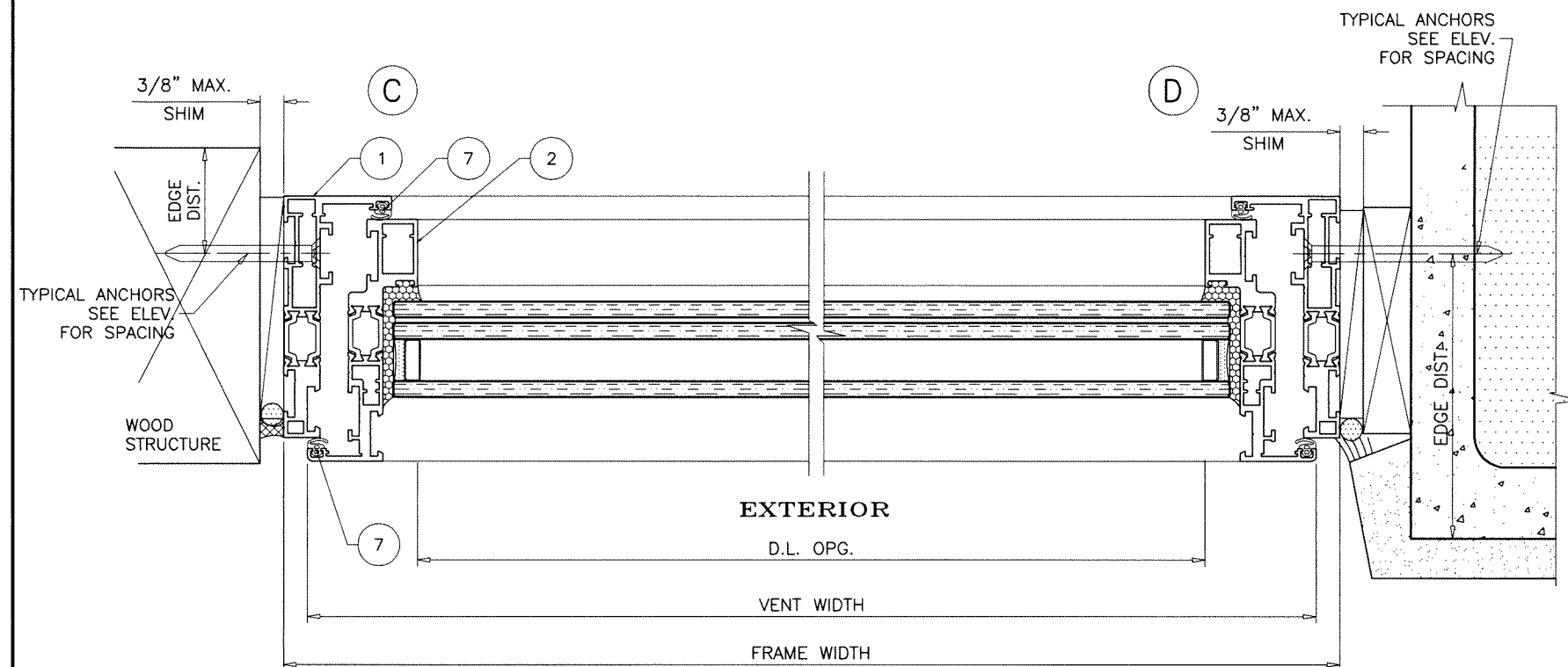
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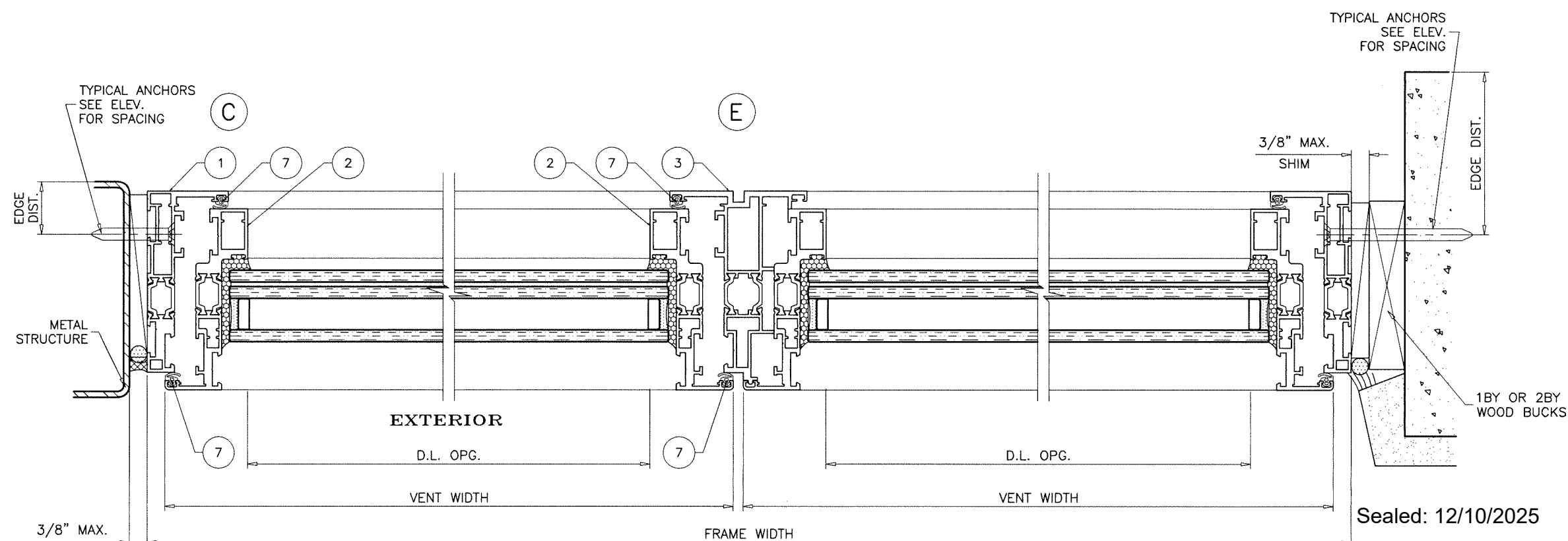
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chk. by:	

drawing no.	25-82F
sheet	2 of 7

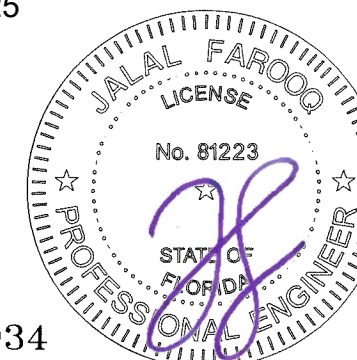


SINGLE VENT WINDOWS



DUAL VENT WINDOWS

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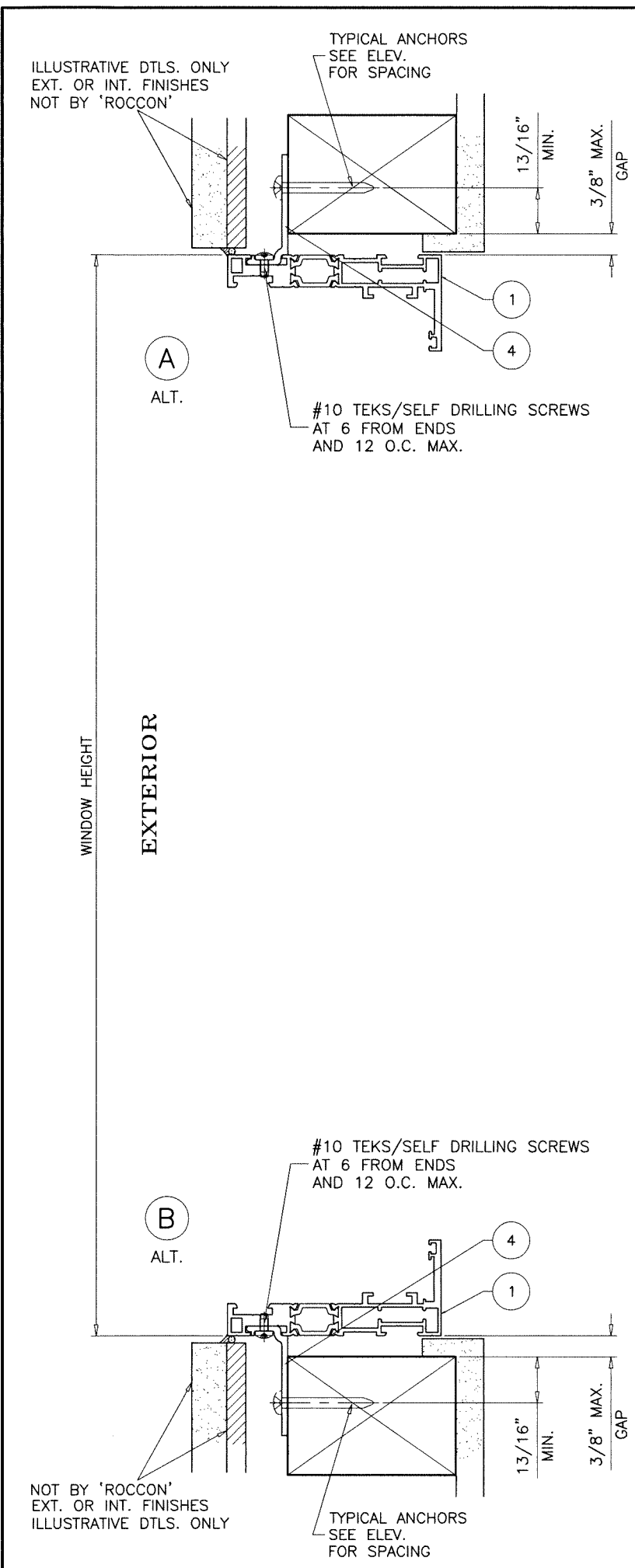
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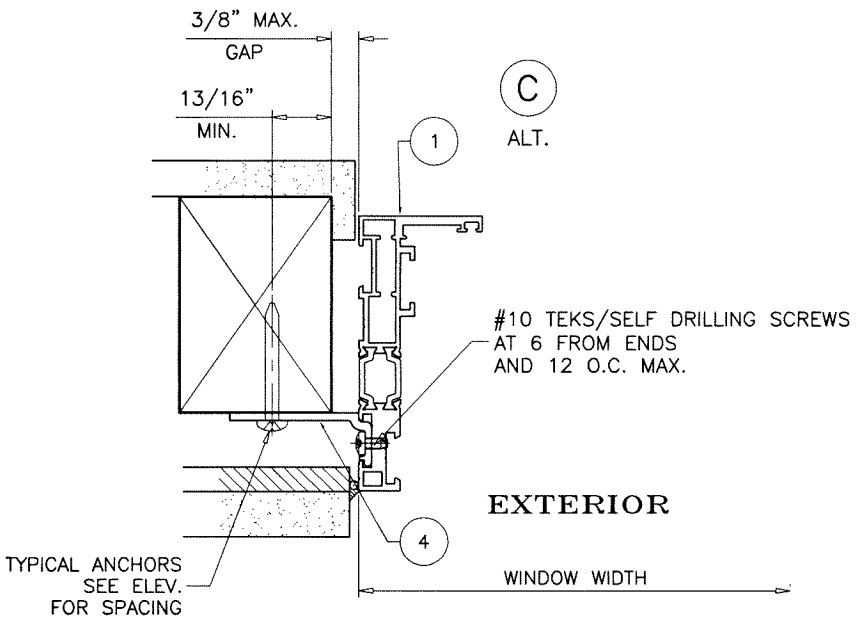


TYPICAL ANCHORS: SEE ELEV. FOR SPACING

#14 WOOD SCREWS (GRADE 2 CRS)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

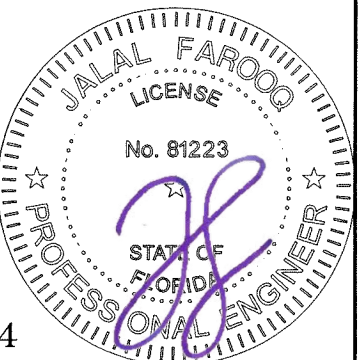
1-1/2" MIN. PENETRATION INTO WOOD



INSTALLATION DETAILS WITH NAIL-FIN

SEE SHEETS 3 & 4 FOR WINDOW DETAILS

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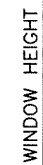
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25-82F

sheet 5 of 7



A
ALT.



(B)
ALT.

#14 WOOD SCREWS (GRADE 2 CRS)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD



EXTERIOR

WINDOW WIDTH

SEE SHEETS 3 & 4 FOR WINDOW DETAILS

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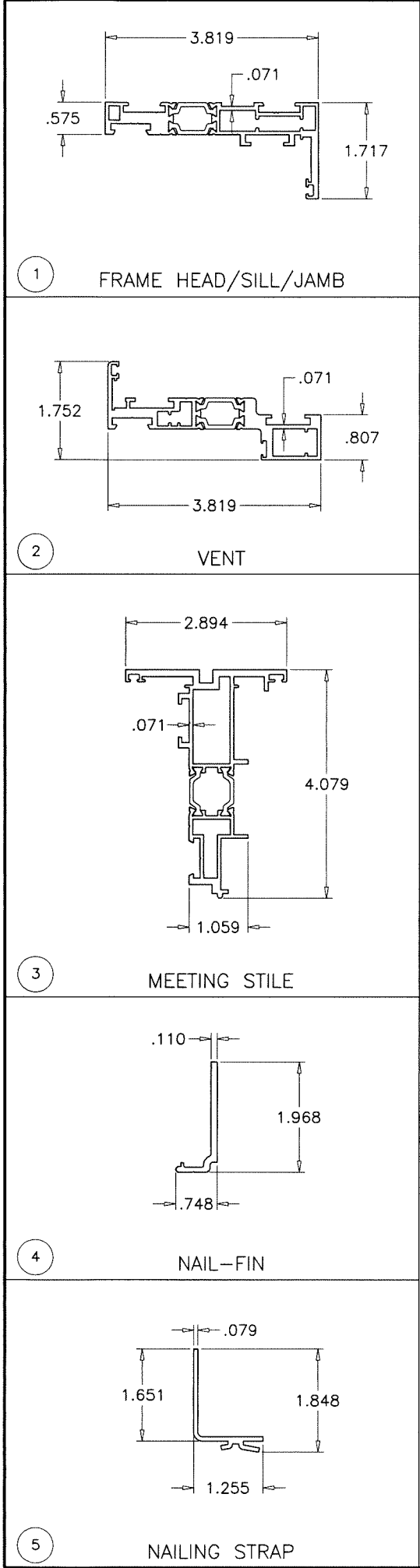
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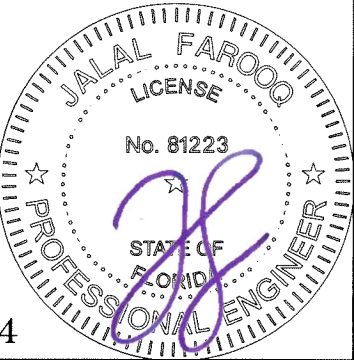


INSULBARS
MATERIAL = POLYAMIDE
TENSILE STRENGTH = 13031 PSI
RATE OF BURN = .752 IN./MIN.
SELF IGNITION TEMP. = 793° F
FLASH IGNITION TEMP. = 781°C
SMOKE DENSITY = 1.63

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	8030859	AS REQD.	FRAME HEAD/SILL/JAMB	6063-T6	-
2	8030857	AS REQD.	VENT	6063-T6	-
3	8030897	AS REQD.	MEETING STILE	6063-T6	-
4	8012842	AS REQD.	NAIL-FIN	6063-T6	-
5	-	AS REQD.	NAILING STRAP	GALV. STEEL	-
6	-	AS REQD.	GLAZING BEAD (OPTIONAL)	6063-T6	-
7	A205055	AS REQD.	FRAME/VENT W'STRIPPING	EPDM	DUROMETER 60±5 SHORE A
8	-	2/ LITE	SETTING BLOCKS AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
9	1204L	2/ VENT	HINGES	-	FAPIM
10	-	1	MULTI POINT LOCK	ST. STEEL	GIESSE
11	1515A	4/ VENT	CORNER KEY	-	FAPIM
12	-	-	FLUSH BOLT (XX WDW. ONLY)	-	-
13	-	-	-	-	-

SEALANTS:
ALL FRAME JOINTS AND SEAMS SEALED WITH
GENERAL PURPOSE SILICONE SEALANT.

Sealed: 12/10/2025



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