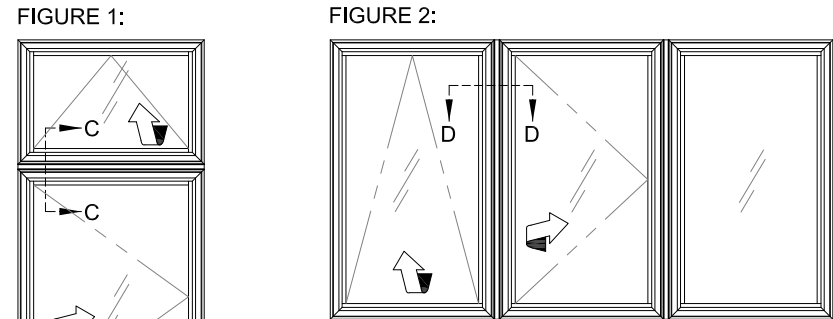


CA7670 IMPACT RESISTANT, THERMALLY-BROKEN ALUMINUM CASEMENT WINDOW

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, **NOT** INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 1. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- 4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH. ANCHORS AND FRAME CORNERS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 5) SHIMS ARE REQUIRED AT 18" MAX. O.C. SPACING WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.
- 6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

EXAMPLES OF MULLED UNITS:

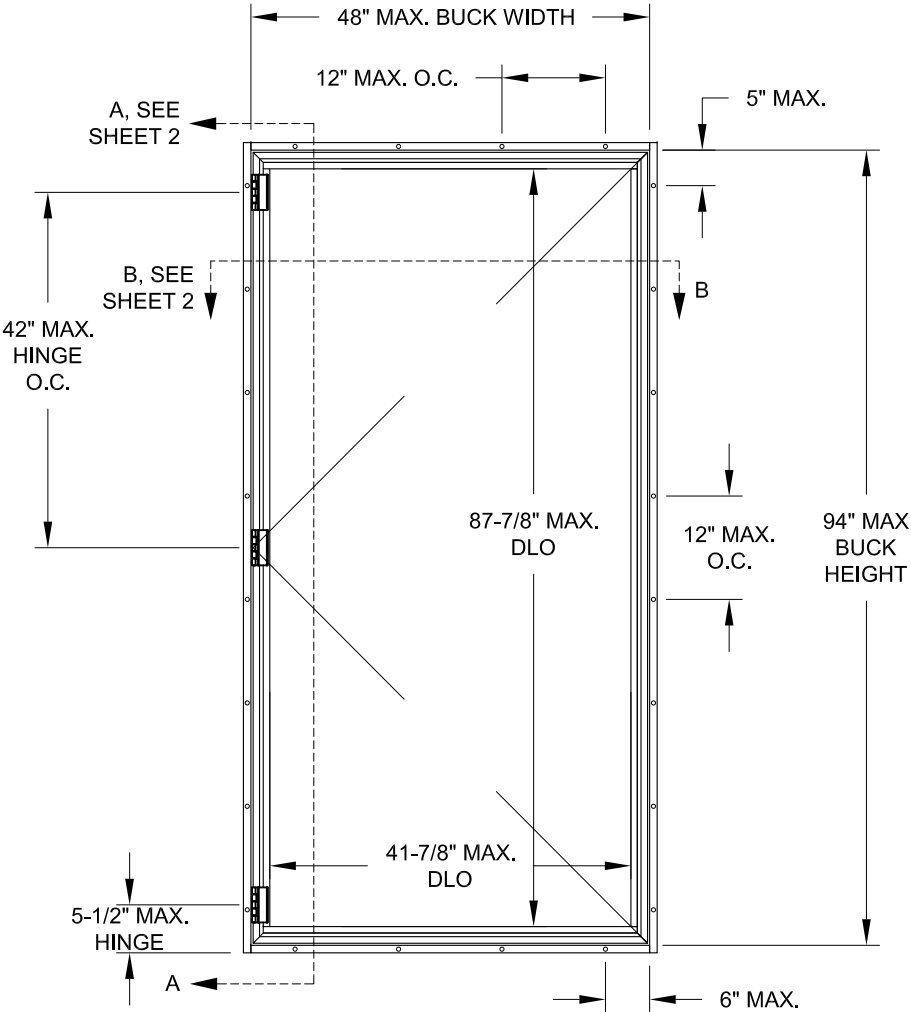


- MULLION NOTES:
- 1) WINDOWS SHOWN IN FIGURES 1 & 2 MAY BE ANY COMBINATION OF THE 7660 AWNING, 7670 CASEMENT, 7630 PICTURE OR 7675 FIXED CASEMENT WINDOW.
- 2) SEE THE SPECIFIC APPROVAL FOR EACH WINDOW TYPE FOR INSTALLATION INSTRUCTIONS.
- 3) THE OVERALL DESIGN PRESSURE OF THE MULLED ASSEMBLY IS THE LOWEST OF ANY INDIVIDUAL WINDOW.
- 4) SEE SHEET 2 FOR C-C & D-D CROSS SECTIONS.

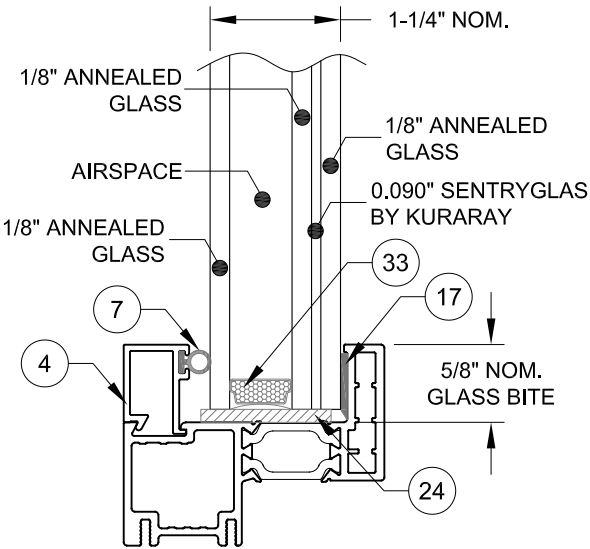
TABLE 1:

Anchor	Substrate	Min. Edge Distance	Min. Embedment
#10 or #12, PH or FH SMS (Steel, 18-8 S.S. or 410 S.S.)	Southern Pine (SG = 0.55)	1/2"	1-7/16"
	6063-T6 Al	7/16"	0.060"
	A36 Steel	5/16"	0.050"
	A653 Steel Stud Gr. 33	5/16"	0.035" (20 ga)

1) ANCHORS MUST BE OF SUFFICIENT LENGTH SO THAT A MIN. OF 3 THREADS EXTEND BEYOND THE METAL SUBSTRATE.



DESIGN PRESSURE RATING
+/- 50 PSF
IMPACT RATING
RATED FOR LM & SM IMPACT RESISTANCE, WIND ZONE 3



PREPARED BY A. LYNN MILLER
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Date

1 OF 3

CA7670

1 OF 3

CA7670FPA-LM

THERMALLY-BROKEN CASEMENT WINDOW (LM)

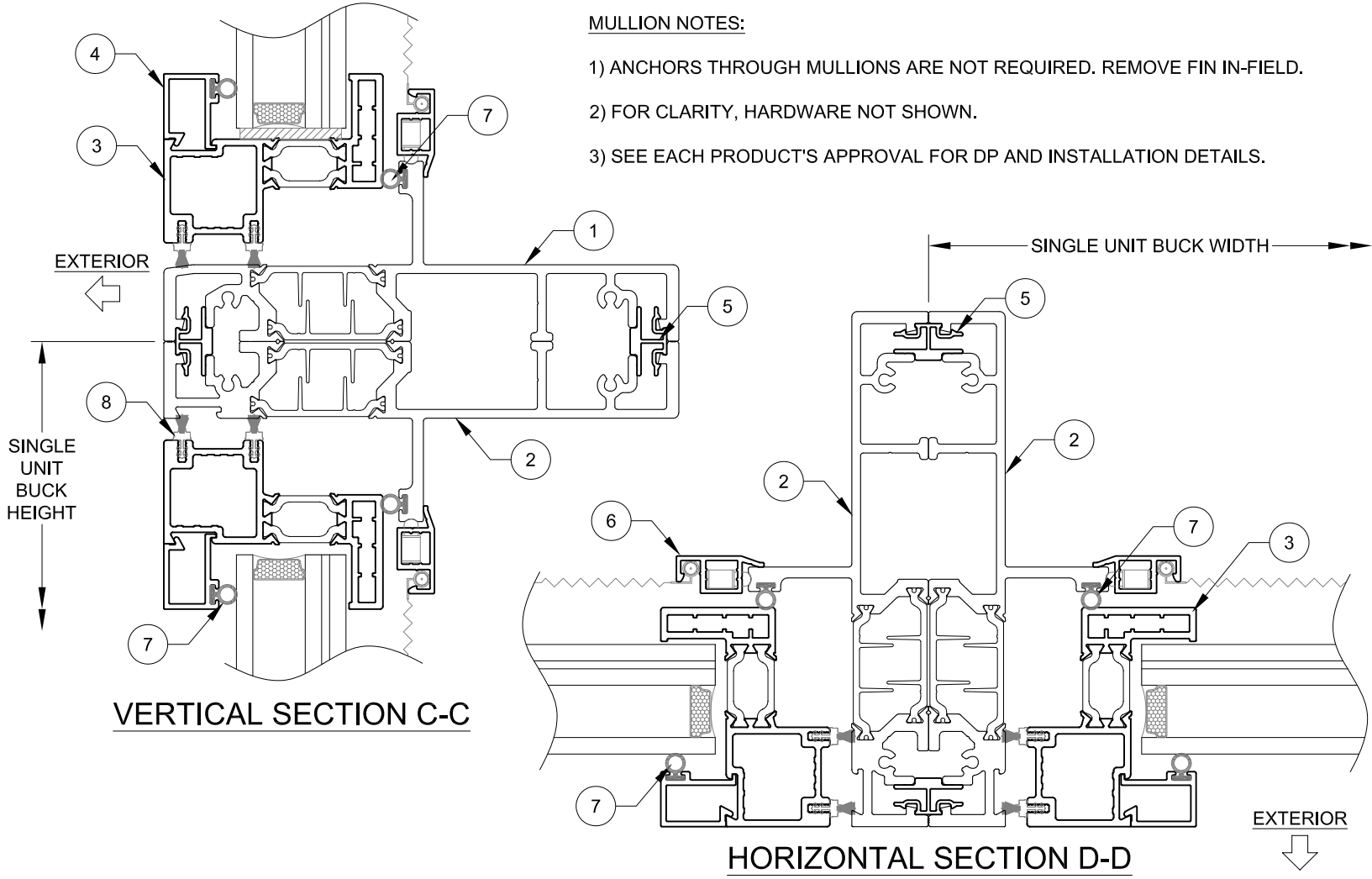
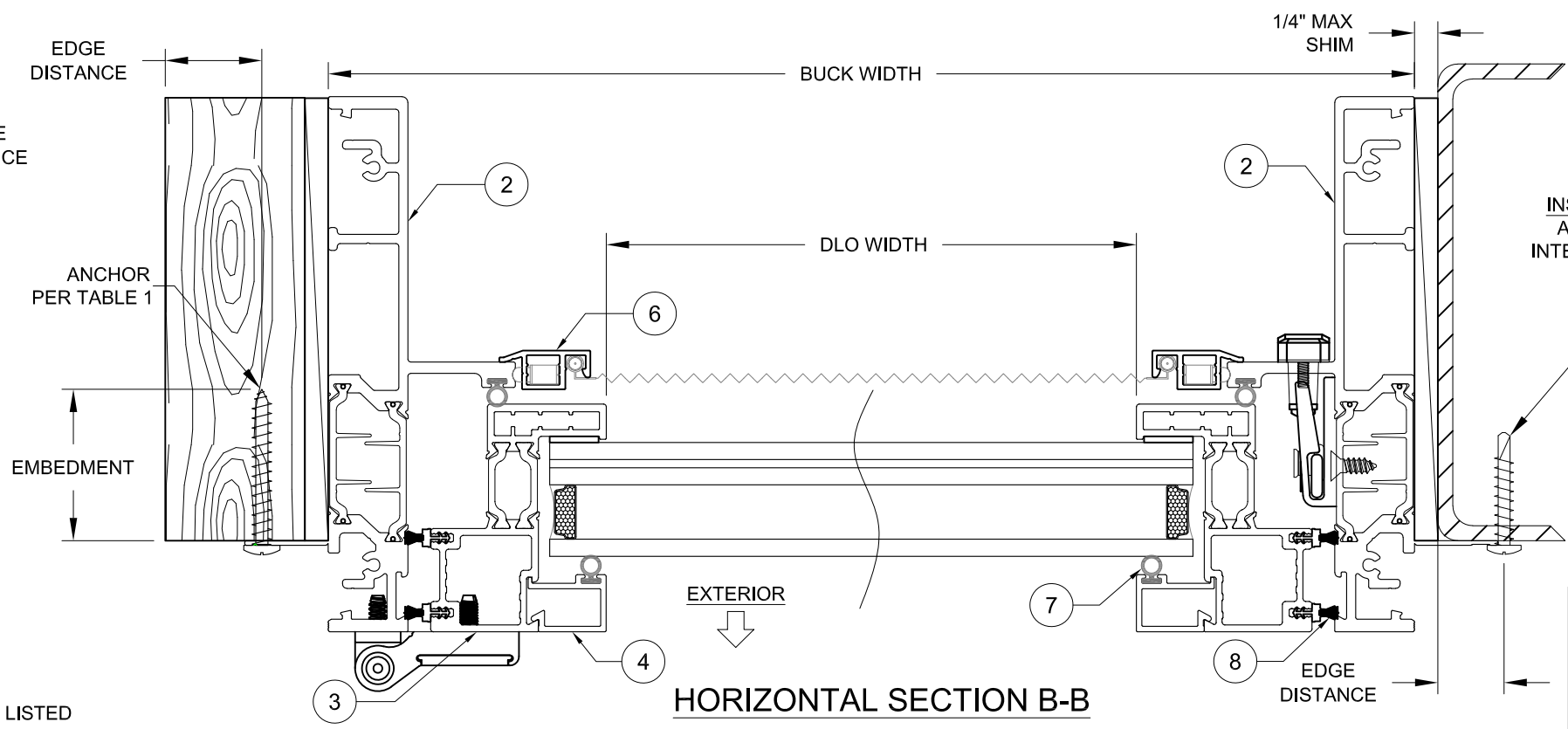
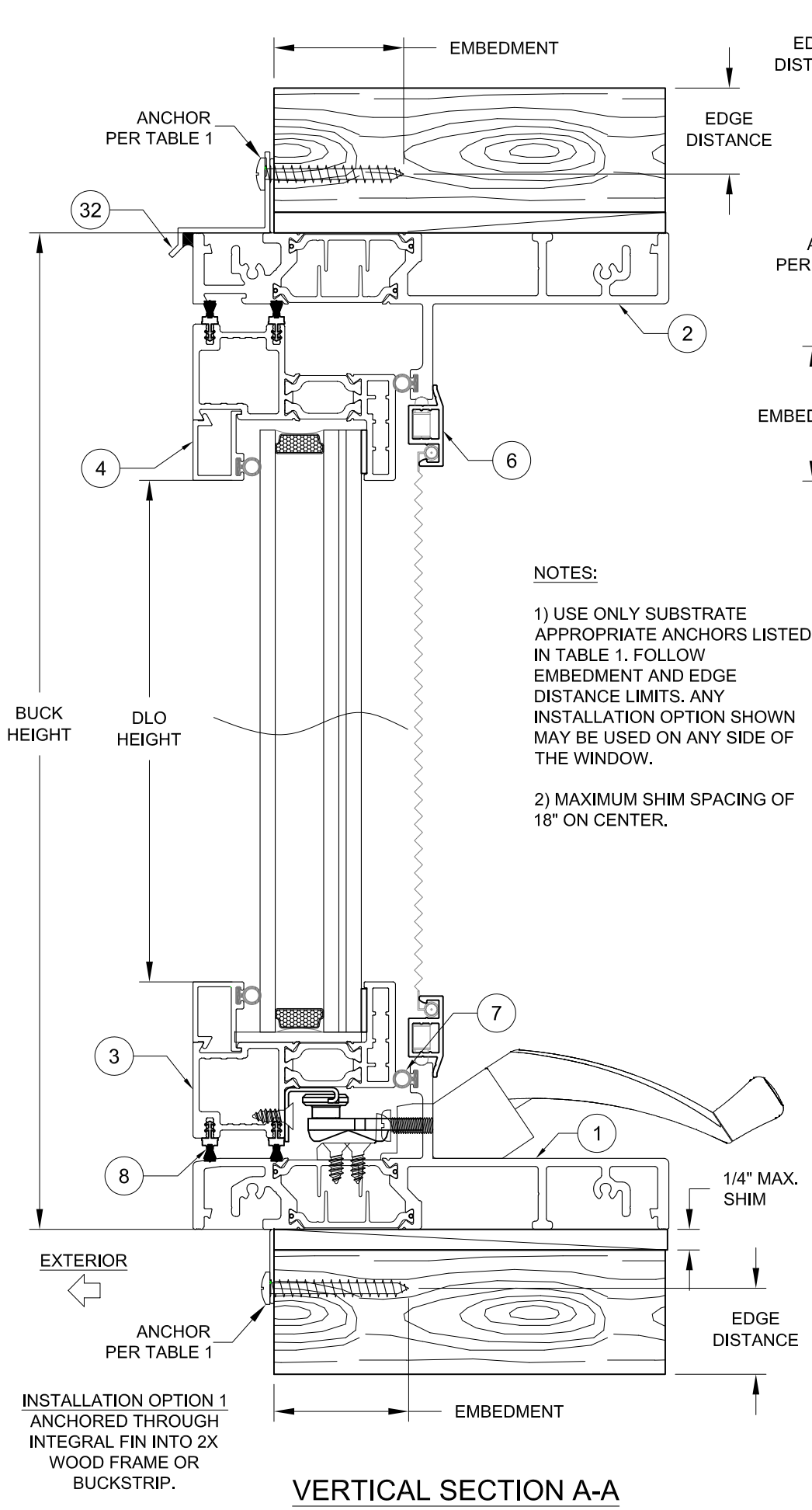
ELEVATION & GENERAL NOTES

CA7670

1 OF 3

CA7670FPA-LM

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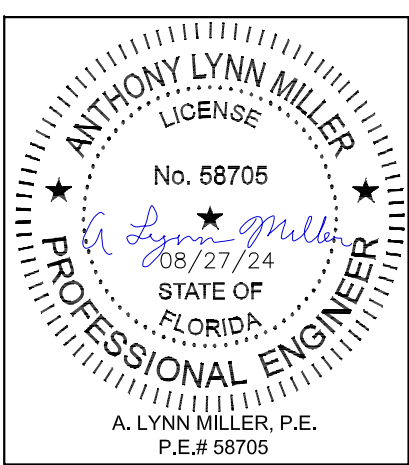


- NOTES:
- 1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN TABLE 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
 - 2) MAXIMUM SHIM SPACING OF 18" ON CENTER.

- MULLION NOTES:
- 1) ANCHORS THROUGH MULLIONS ARE NOT REQUIRED. REMOVE FIN IN-FIELD.
 - 2) FOR CLARITY, HARDWARE NOT SHOWN.
 - 3) SEE EACH PRODUCT'S APPROVAL FOR DP AND INSTALLATION DETAILS.

INSTALLATION OPTION 2
ANCHORED THROUGH
INTEGRAL FIN, INTO METAL.

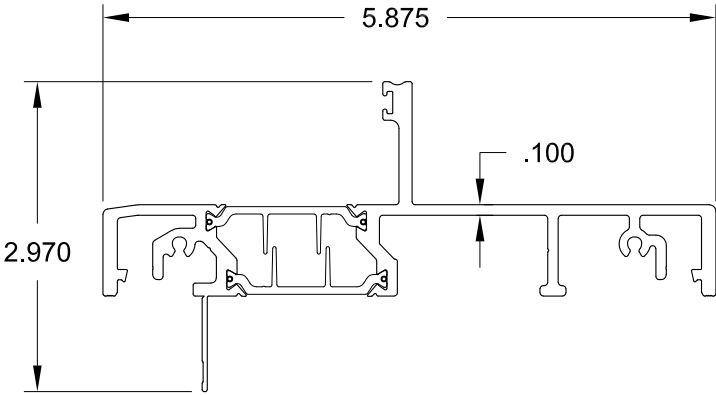
	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 COPYRIGHT © 2024 WESTERN, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	Date 8/27/24	By COLTON KEMP	Rev. CA7670FPA-LM
	2200 E RIVERVIEW DR PHOENIX, AZ 85034 (877) 268-1300		THERMALLY-BROKEN CASEMENT WINDOW (LM)		DWG 2 OF 3
	INSTALL. X-SECTIONS		CA7670		Sheet
	SERIES		DESC.		CA7670



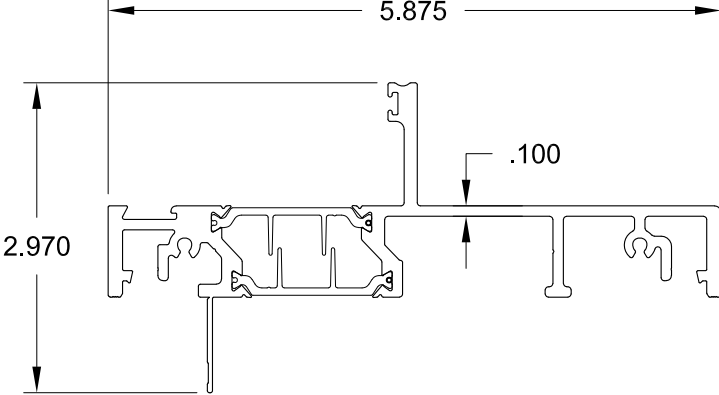
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PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 2:

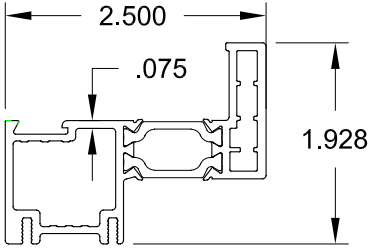
Item #	Part #	Description	Material
1	EX7644	Sill (Nail Fin)	6063-T6, Ensinger Insulbar
2	EX7645	Jamb/Head (Nail Fin)	6063-T6, Ensinger Insulbar
3	EX8002	Vent Rails	6063-T6, Ensinger Insulbar
4	E8006	Steel-look Glass Stop (1.3" OA)	6063-T5/T6
5	E6666B	Mullion Clip	6063-T6
6	E6720	Screen Frame	6063-T5/T6
7	W6793	Bulb Seal 35A TPV .255 x .350	EPDM
8	W7608	Pile Weatherstrip with Soft Touch Fin Seal	
9	H6757SS	Multi Point Tie Bar Assembly	
10	H8014	Tie Bar Guide	
11	H7988	7670 Link	
12	H7999B	Low Profile Lock	
13	H7984	Lock Support Plate	
14	H8002	Operator	
15	H7697LB	Operator Cover	
16	H8001	Commerical Butt Hinge	
17		RGS7700, Dow 791 & 983	Silicone
18	H6764SS	Multi Point Tie Bar Assembly 2	
19	H6703	Operator Retainer Clip	
20	H232	1/16" Nail Fin Corner Gasket	
21	H8818	7670 Keeper	
22	H8007	7670 Operator Track	
23	H8033	7670 Sash Corner Key	
24	H2212	1/8" Glass Shim	PVC
25	H2206	1/16" Glass Shim	PVC
26	H8034	Glazing Leg Corner Key	
27	F5000SS	8-18 x 1/2" PHIL PAN TEK (Operator)	410 SS
28	F5058SSS	10-24 x 5/8" PHL FLT (Butt Hinge)	410 SS
29	F5008SSS	8-18 x 3/4" PHIL FLT TEK (Corner Key)	410 SS
30	F7600SS	FHPPH #8-32 x 5/8" Self-Threading Screw (Lock)	410 SS
31	F5011SSS	8-18 x 1-1/4 PHL Oval TEK (Frame)	410 SS
32	E127	Drip Cap	6063-T5/T6
33	-	IG Spacer	varies



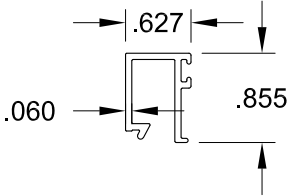
1 SILL (NAIL FIN)



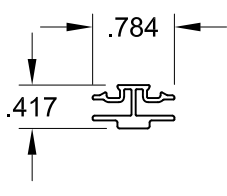
2 JAMB/HEAD (NAIL FIN)



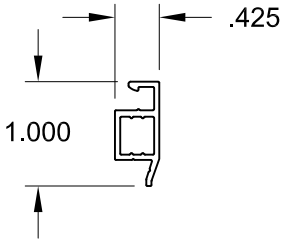
3 VENT RAIL



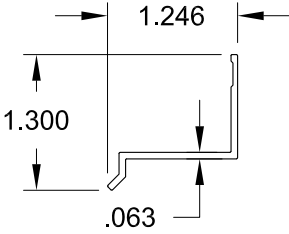
4 GLASS STOP



5 MULLION CLIP



6 SCREEN FRAME



32 DRIP CAP

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BOM & EXTRUSIONS		CA7670		Sheet	

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No. 58705

08/27/24

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PROFESSIONAL ENGINEER

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