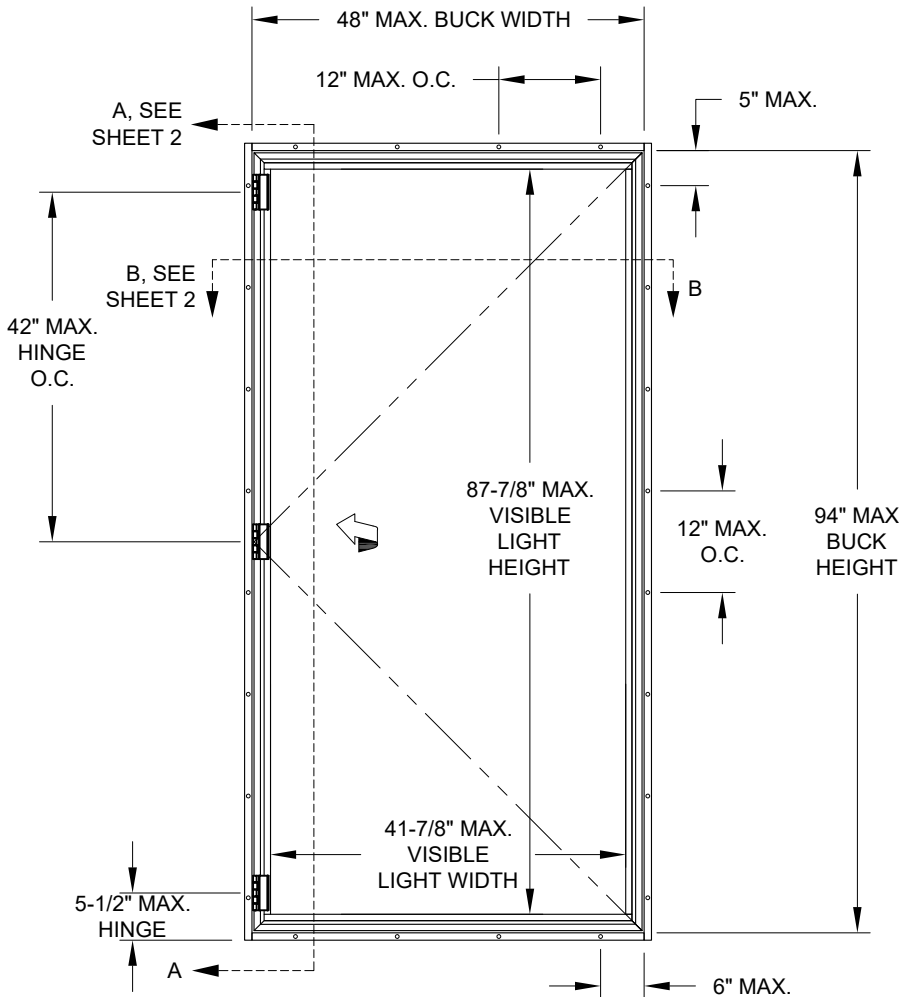


CA7670 THERMALLY BROKEN, IMPACT RESISTANT CASEMENT WINDOW

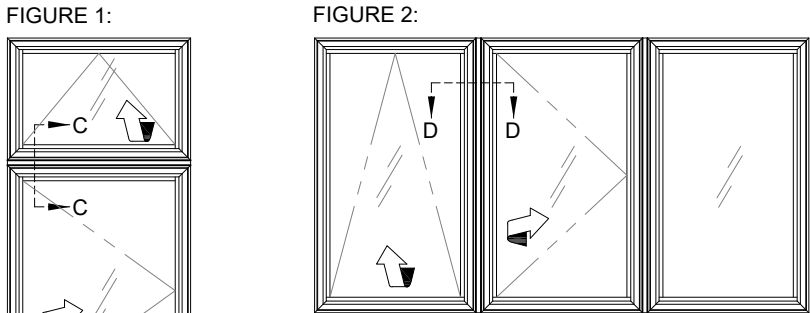
- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).
- 4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE EMBEDMENT. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 5) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. FOR INTEGRAL FIN FRAMES INSTALL SHIMS AT MAX. 18" O.C.
- 6) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL/CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL/ CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.
- 7) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS 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.
- 8) REFER TO CURRENT FLORIDA BUILDING CODE FOR EGRESS REQUIREMENTS.

WHERE THE PRODUCT WILL BE INSTALLED WITHIN 3,000 FEET OF A SALTWATER COASTLINE, IT MUST COMPLY WITH SECTION 1711 OF THE FBC, BUILDING OR R332 OF THE FBC, RESIDENTIAL.



TESTED INTEGRAL FIN FRAME ELEVATION

EXAMPLES OF MULLED UNITS:



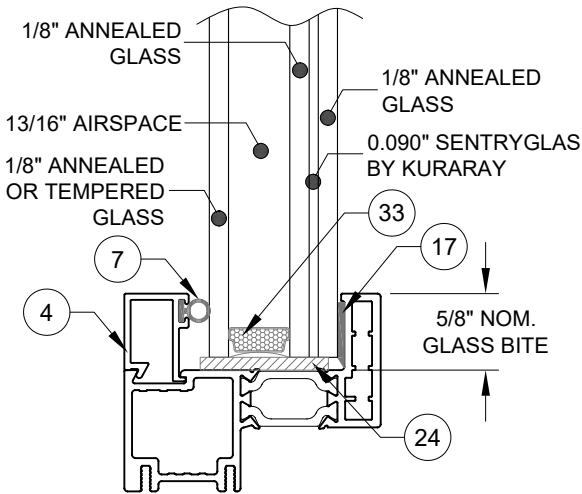
MULLION NOTES:

- 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 SMS Carbon Steel or 18-8, 316, 410 SS	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) MIN. OF 3 THREADS BEYOND METAL SUBSTRATE.
2) 18-8 FASTENERS SHALL BE MANUFACTURED FROM TYPE 304 OR 305 STAINLESS STEEL PER ASTM A240.
3) ALL SCREWHEAD TYPES ARE APPLICABLE.



GLAZING DETAIL
1-1/4" NOM.

DESIGN PRESSURE RATING
+/-50 PSF
WATER TEST PRESSURE
15% OF (+) DP
IMPACT RATING
LARGE AND SMALL MISSILE IMPACT RESISTANT MISSILE LEVEL D, WIND ZONE 3

 WESTERN ARCHITECTURAL OPENINGS		PREPARED BY A. LYNN MILLER 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	
2200 E RIVERVIEW DR PHOENIX, AZ 85034 (877) 268-1300		REGISTRATION #29296	
TB CASEMENT WINDOW (LM)		COPYRIGHT © 2026 WWS ACQUISITION HOLDCO, LLC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	
Title		Date	
7/24/26			
ELEVATION & GENERAL NOTES		By Drawn	COLTON KEMPf
CA7670		CA7670-LM	
Sheet		DWG No.	
1 OF 3			
Series		CA7670	

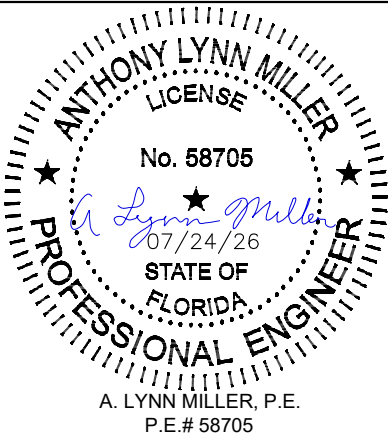
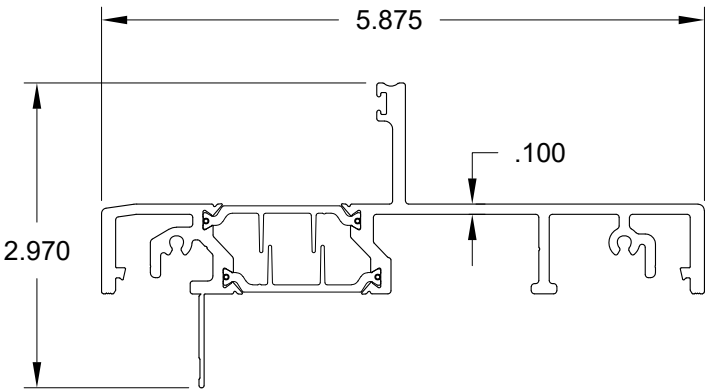
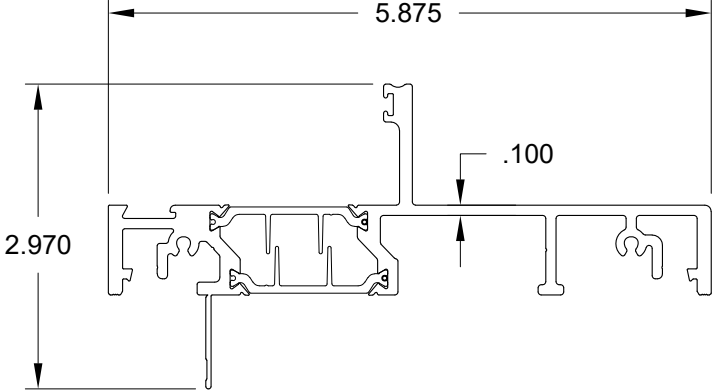


TABLE 2:

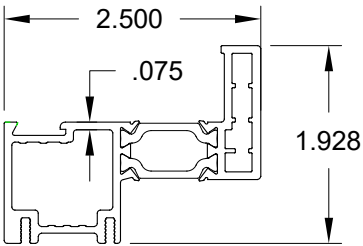
Item #	Part #	Description	Material
1	EX7644	Sill (Nail Fin)	6063-T6, Ensinger Insulbar
2	EX7645	Jamb/Head (Nail Fin)	6063-T6, Ensinger Insulbar
3	EX8002	Vent Rails	6063-T6, Ensinger Insulbar
4	E8006	Steel-look Glass Stop (1.3" OA)	6063-T5/T6
5	E6666B	Mullion Clip	6063-T6
6	E6720	Screen Frame	6063-T5/T6
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	FHPH #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



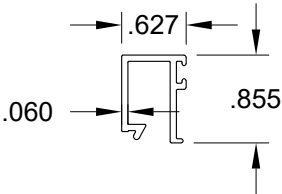
1 SILL (NAIL FIN)



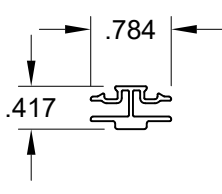
2 JAMB/HEAD (NAIL FIN)



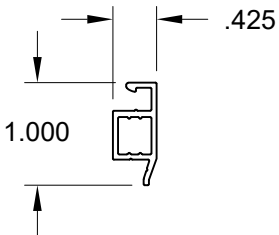
3 VENT RAIL



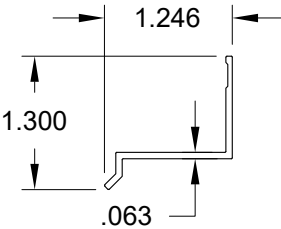
4 GLASS STOP



5 MULLION CLIP



6 SCREEN FRAME



32 DRIP CAP

		WESTERN ARCHITECTURAL OPENINGS		PREPARED BY A. LYNN MILLER 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	
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Title	TB CASEMENT WINDOW (LM)		Date	7/24/26	
BOM & EXTRUSIONS		Drawn By		COLTON KEMPFF	
Series	CA7670	Sheet	3 OF 3		DWG No.
				CA7670-LM	

