

AW7660 THERMALLY-BROKEN, IMPACT RESISTANT AWNING 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 THE ANCHOR TABLES. 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:

FIGURE 1:

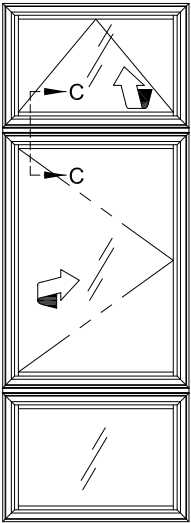
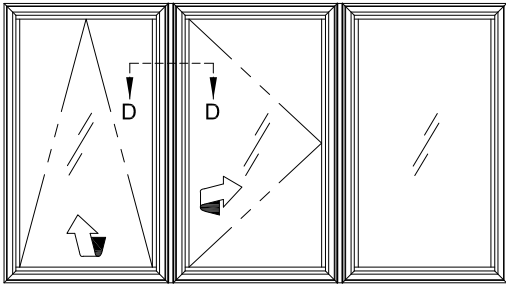
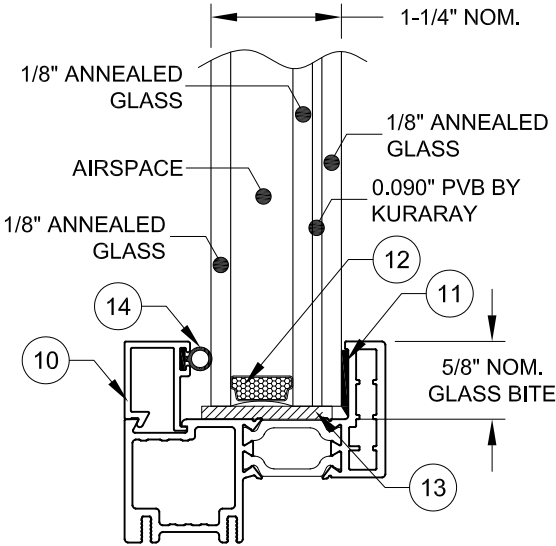


FIGURE 2:



MULLION NOTES:

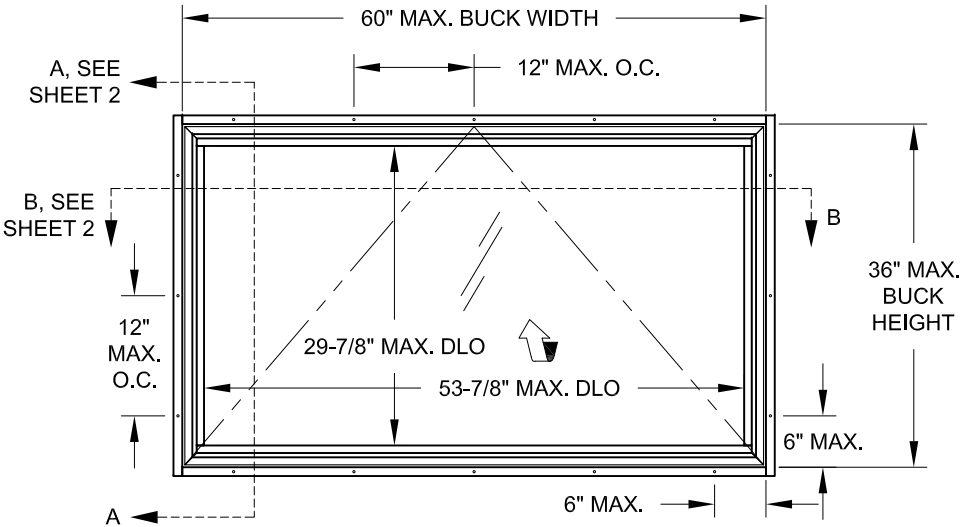
- 1) WINDOWS SHOWN IN FIGURES 1 & 2 MAY BE ANY COMBINATION OF THE 7660 AWNING, 7670 CASEMENT, 7630 PICTURE OR 7675 FIXED CASEMENT WINDOW.
- 2) SEE THE SPECIFIC APPROVAL FOR EACH WINDOW TYPE FOR INSTALLATION INSTRUCTIONS.
- 3) THE OVERALL DESIGN PRESSURE OF THE MULLED ASSEMBLY IS THE LOWEST OF ANY INDIVIDUAL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



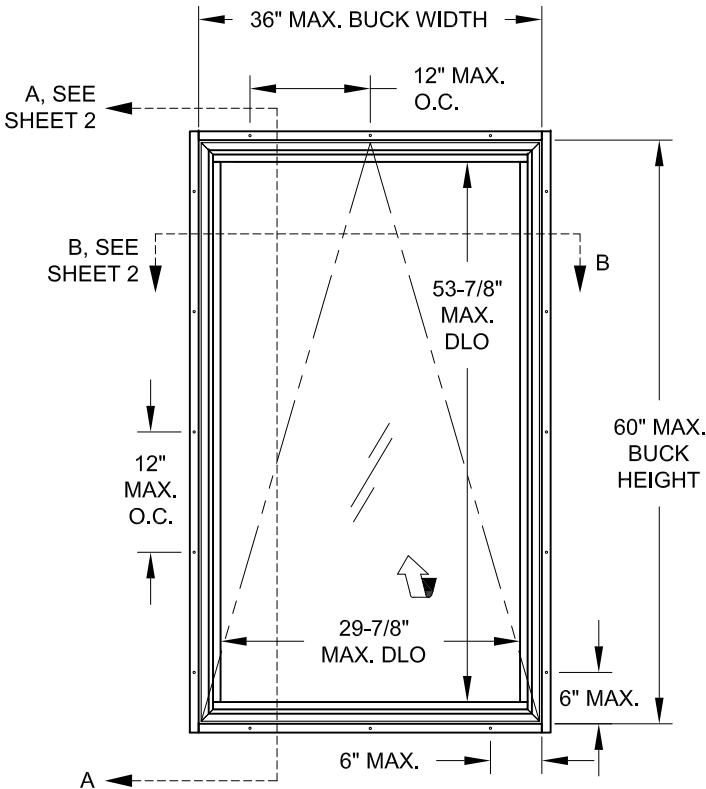
GLAZING DETAIL

TABLE 1:

Window Buck Size		Design Pressure		Product Rating
Width	Height	(+) psf	(-) psf	
60"	36"	50.0	50.0	LC-PG50
36"	60"	50.0	50.0	LC-PG50



TESTED INTEGRAL FIN FRAME ELEVATION



TESTED INTEGRAL FIN FRAME ELEVATION

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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Series

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Desc.

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Date

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Date

8/22/24

JENS ROSOWSKI

AW7660FPA-LM

1 OF 3

AW7660

THERMALLY-BROKEN AWNING WDW (LM)

ELEVATION & GENERAL NOTES

AW7660

AW7660FPA-LM

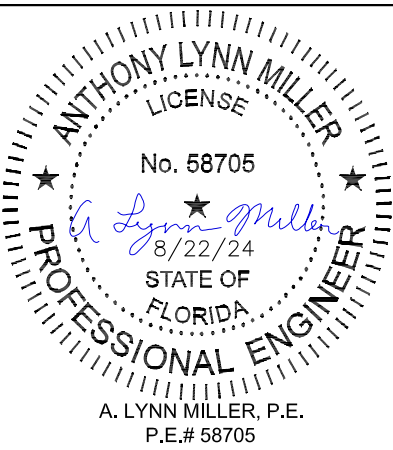
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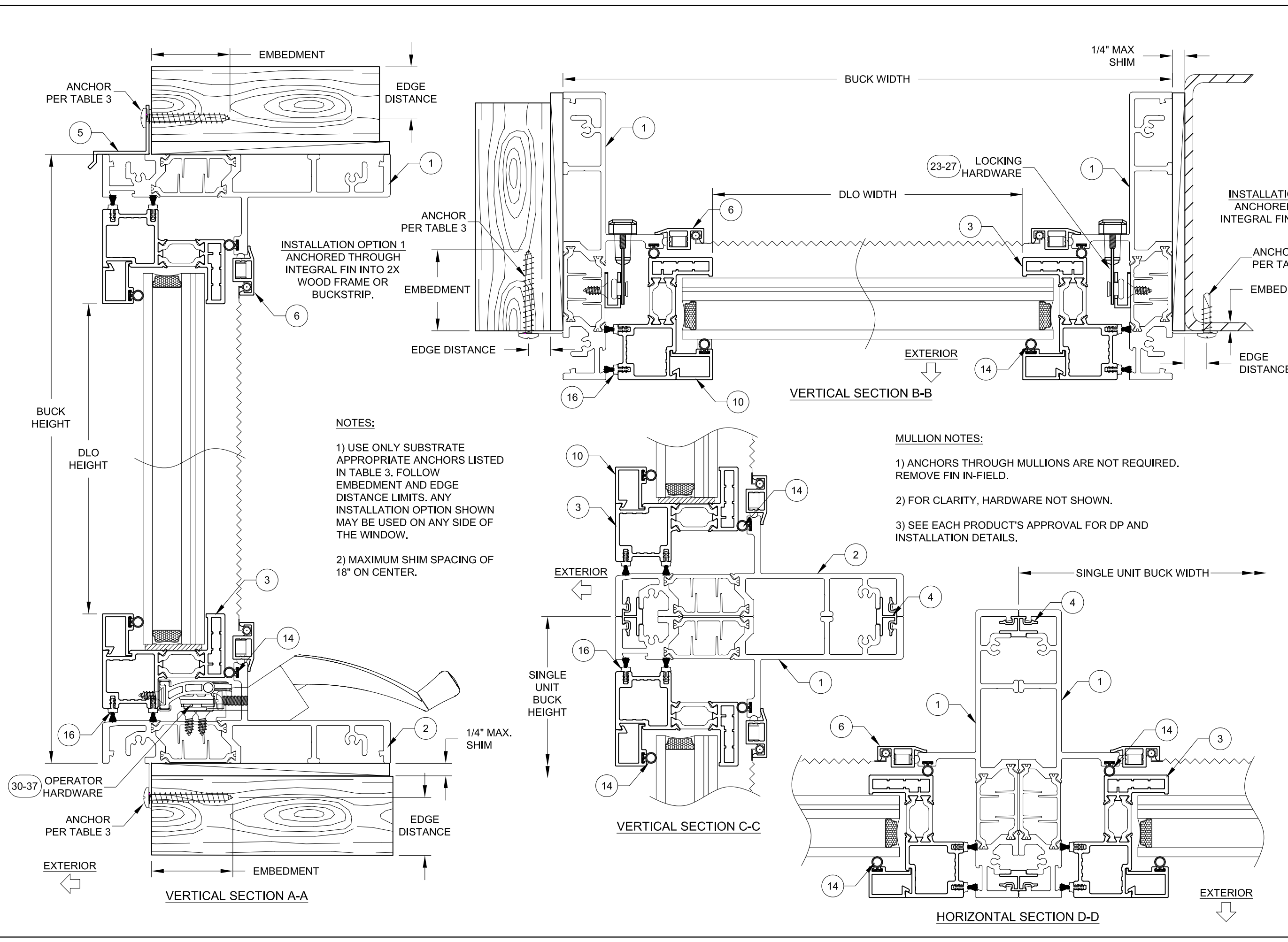
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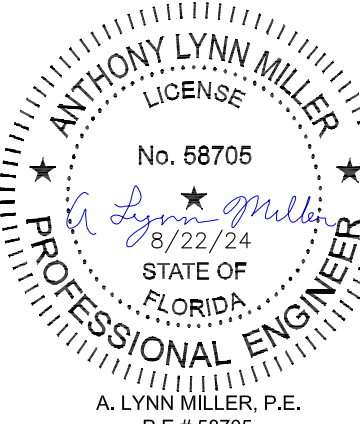
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 western window systems	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296	COPYRIGHT © 2024 PGT, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	
	2200 E. Riverview Drive Phoenix, AZ 85034 Tel (877) 268-1300		8/22/24		
	THERMALLY-BROKEN AWNING WDW (LM)		JENS ROSOWSKI		AW7660FPA-LM
	INSTALL. X-SECTIONS		2 OF 3		
AW7660					



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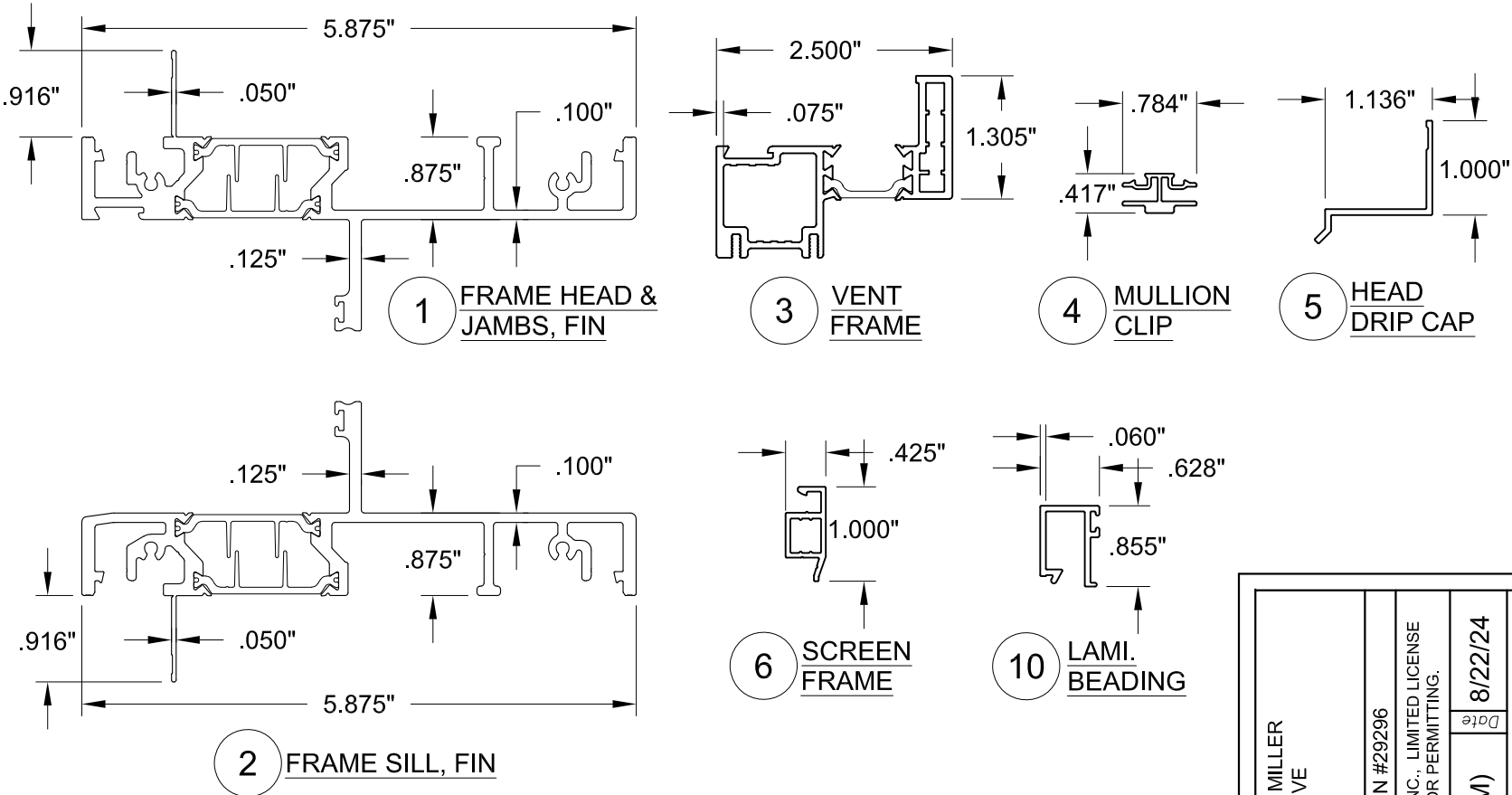
TABLE 2:

Item #	Part #	Description	Material
1	EX7645	Frame Head/Jamb, Fin	6063-T6, Ensinger Insulbar
2	EX7644	Frame Sill, Fin	6063-T6, Ensinger Insulbar
3	EX8002	Vent Frame	6063-T6, Ensinger Insulbar
4	E6666B	Mullion Clip	6063-T6
5	EX127	Head Drip Cap	6063-T6
6		Screen Frame	6063-T5/T6
7	H8034	Glazing Leg Corner Key	Steel
8	H8033	Sash Corner Key	Steel
10	E8006	Lami. Beading	6063-T5/T6
11		Dow 791/983, RGS-7700	Silicone
12		IG Spacer	
13	H2212	1/8" Glass Shim/Setting Block	PVC
14	W6793	Bulb Seal 0.255" x 0.350"	EPDM
16	W7608	Pile Weatherstrip with Fin Seal	
17	H232	1/16" Nail Fin Corner Gasket	
23	H7999B	Low Profile Lock	Steel
24	H7984	Lock Support Plate	Steel
25	H8818	Keeper	Steel
26	F5088SSS	Single Point Keeper Fastener	8A x 3/4 PHIL PAN SMS
27	F7600SS	Sash Connector Fastener	FHPH #8-32 x 5/8" Self-Threading
30	H8002	Operator	Steel
31	H7697LB	Operator Cover	Steel
32	H8001	Commerical But Hinge	Steel
33	H6703	Operator Retainer Clip	Steel
34	H8007	Operator Track	Steel
35	F5008SSS	Retainer Clip Fastener	8-18 x 3/4" PHIL FLT TEK
36	F5054SSS	4 Bar Hinge Bracket Fastener	10-24 x 3/4" PHL PAN MS
37	F5116SS	Operator Track Fastener	#8 x 5/8" PHFH SMS
50	F5011SS	Frame Assembly Fastener	#8 x 1-1/4" PHL FLT SMS

TABLE 3: ANCHORS INSTALLED THROUGH INTEGRAL FIN

Anchor	Substrate	Min. Edge Distance	Min. Embedment
#10 or #12 SMS PH or FH (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 MINIMUM OF 3 THREADS EXTEND BEYOND THE METAL SUBSTRATE.



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	THERMALLY-BROKEN AWNING WDW (LM)		Date	8/22/24	
	BOM & ANCHOR TYPES TABLE		By	JENS ROSOWSKI	
			Drawn	AW7660FPA-LM	
			DWG	No.	3 OF 3
			Sheet	AW7660	
			Series	Desc.	

