

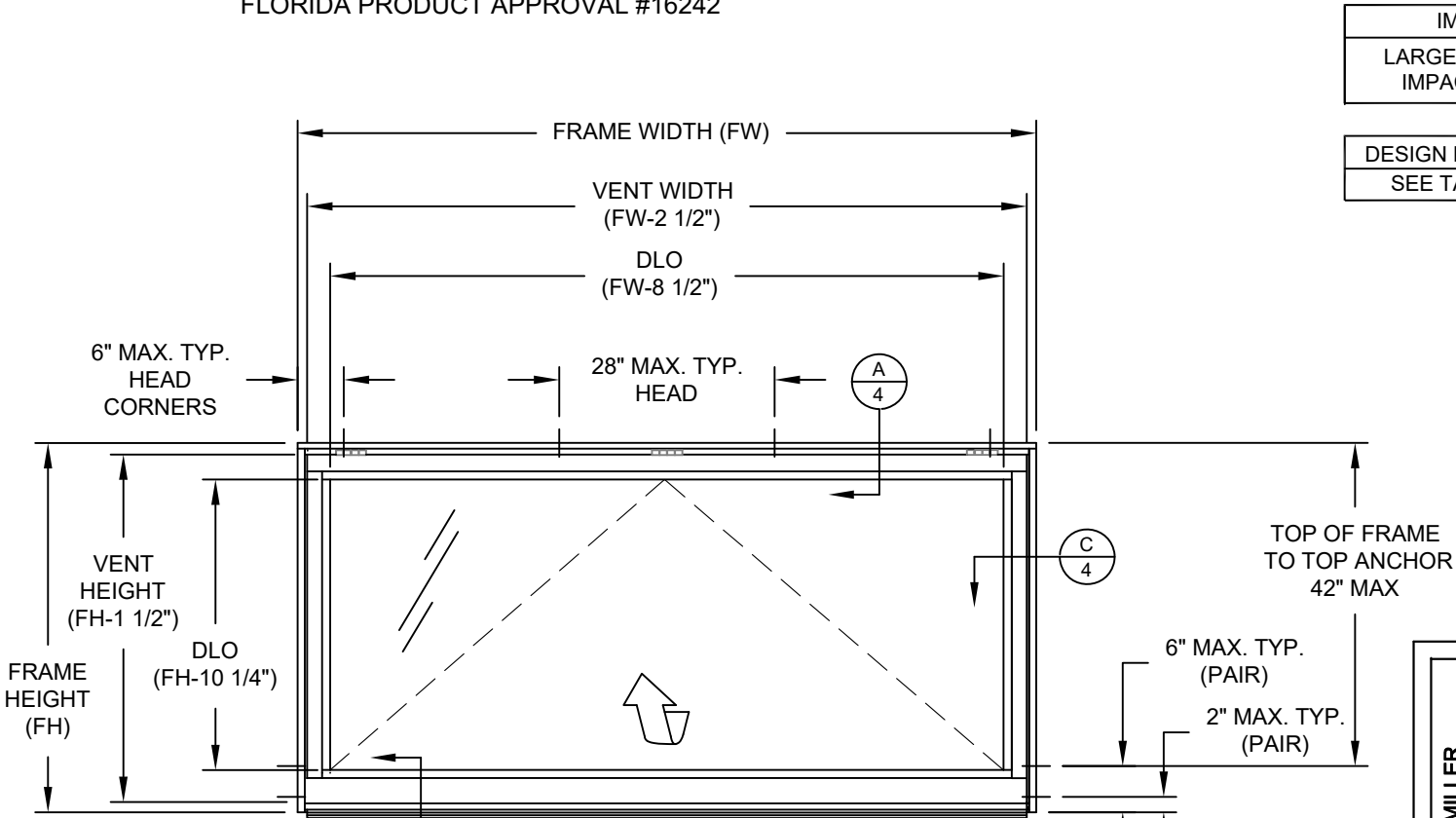
SERIES AW9942A ALUMINUM, IMPACT RESISTANT,
PASS-THROUGH AWNING WINDOW

- 1) THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS. FOR INSULATED GLASS INSTALLATIONS ABOVE 30' IN THE HVHZ, THE OUTBOARD LITE (CAP) MUST TEMPERED.
- 3) 1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.
- 4) ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- 5) A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- 6) ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.
- 7) MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE & ADOPTED STANDARDS.
- 8) THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR THE SITE-SPECIFIC PROJECTS INCLUDING CONSIDERATIONS FOR LIFE SAFETY, STRUCTURAL ADEQUACY FOR ACCOMMODATING THIS PRODUCT AND THE EFFECTIVENESS OF SEALING AROUND THE OPENINGS TO RESIST WATER INFILTRATION.
- 9) CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

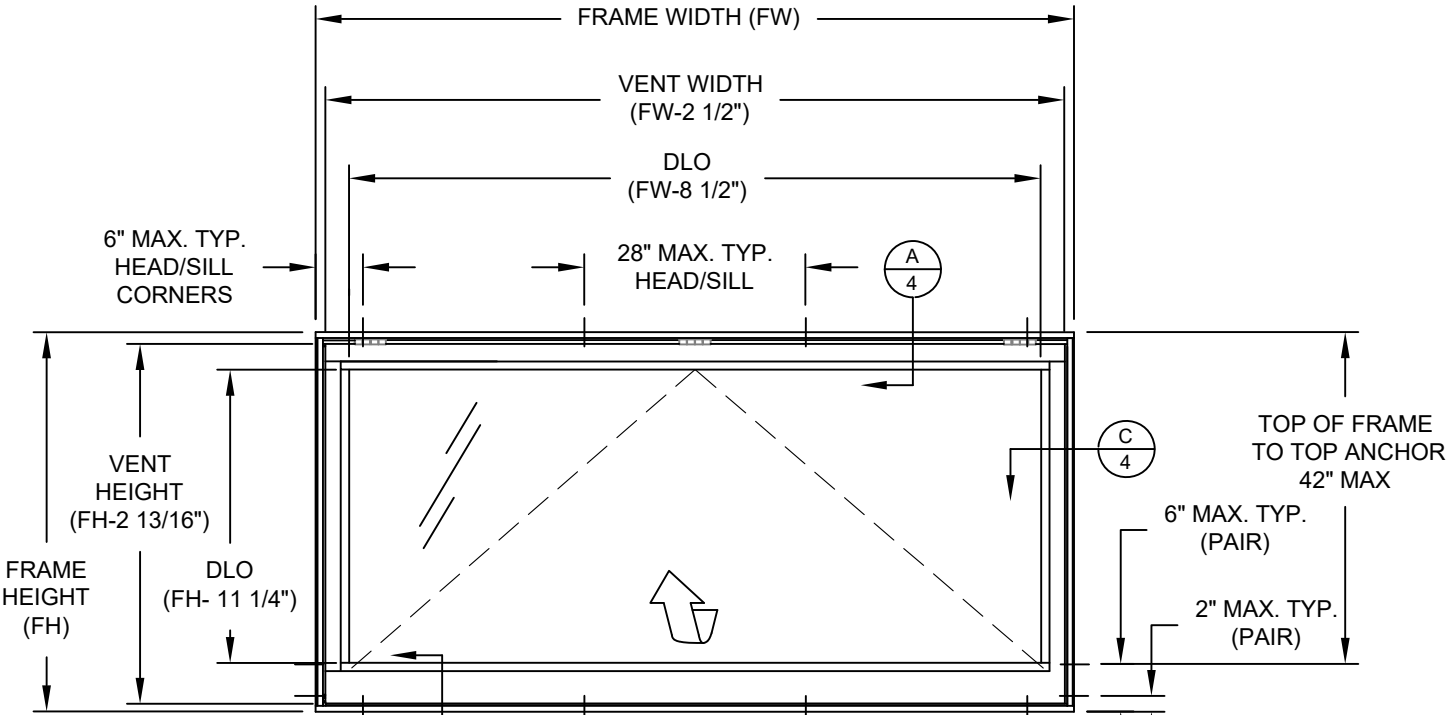
INSTRUCTIONS: USE CHARTS AS FOLLOWS.

- STEP 1 DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2 SEE CHARTS ON SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED WINDOW SIZE.
- STEP 3 THE WINDOW DESIGN LOAD CAPACITY MUST BE EQUAL OR EXCEED THE DESIGN WIND LOAD REQUIREMENT FOR THE WINDOW OPENING OBTAIN IN STEP 1.

ELEVATIONS.....	1
GLASS TYPES.....	2
ANCHOR TYPES TABLE.....	2
DP/ANCHOR TABLE.....	3
INSTALLATION DETAILS.....	4
BILL OF MATERIALS.....	5
EXTRUSIONS.....	5



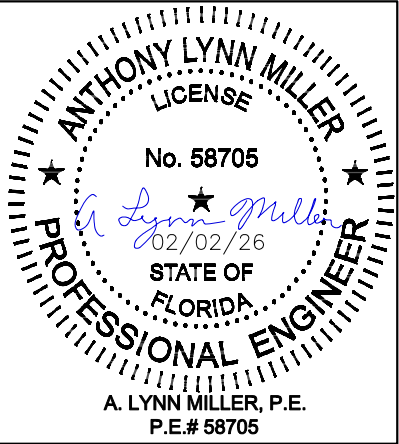
TYPICAL ELEVATION
(WITHOUT FRAME SILL)
(NO SILL ANCHORS REQUIRED)



TYPICAL ELEVATION
(WITH FRAME SILL)

IMPACT RATING
LARGE & SMALL MISSILE IMPACT RESISTANCE
DESIGN PRESSURE RATING
SEE TABLE ON SHEET 3

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 COPYRIGHT © 2026 WINDOOR, LLC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	5/30/23	A. MORLESIN	AW9942ALMI-FPA
WINDOOR, LLC 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432	SERIES 9942 ALUM. AWNING WINDOW (LM)	ELEVATION & GENERAL NOTES	Sheet	1 OF 5
WINDOOR	AW9942A	Title	Desc.	Series

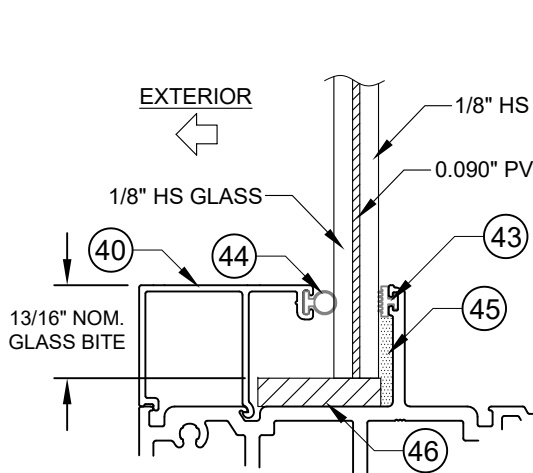


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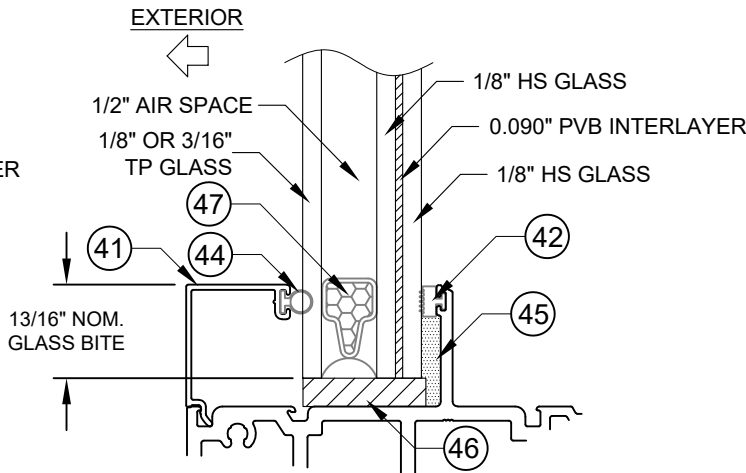
TABLE 1:

Anchor Group	Anchor	Substrate	Min. Edge Distance	Minimum Embedment
A	#12 Steel or 18-8 SS SMS (Gr. 5)	Southern Pine (SG = 0.55)	9/16"	1-3/8"
		6063-T5 Aluminum	3/8"	0.071" (14 Ga)
		A36 Steel	3/8"	.050"
		Steel Stud, Gr. 34	3/8"	0.045" (18 Ga)
	1/4" DeWalt UltraCon+	Concrete (min. 2.85 ksi)	1"	1-3/8"
		UngROUTED CMU (ASTM C90)	1"	1-1/4"
		Southern Pine (SG = 0.55)	1"	1-3/8"
B	1/4" 410 SS DeWalt CreteFlex	Concrete (min. 3.35 ksi)	1"	1-3/4"
		Southern Pine (SG = 0.55)	1"	1-3/8"
	1/4" DeWalt UltraCon+	Concrete (min. 2.85 ksi)	2-1/2"	1-3/8"
		Hollow Block (ASTM C90)	2-1/2"	1-1/4"
		UngROUTED CMU (ASTM C90)	2-1/2"	1-1/4"

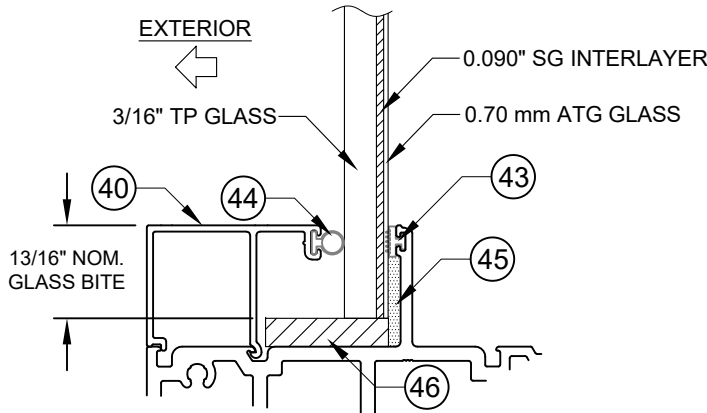
- 1) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
2) ALL ANCHOR HEAD TYPES ARE ACCEPTABLE.
3) ANCHOR LENGTH TO BE SO THAT A MIN. OF 3 THREADS EXTEND BEYOND THE METAL SUBSTRATE.



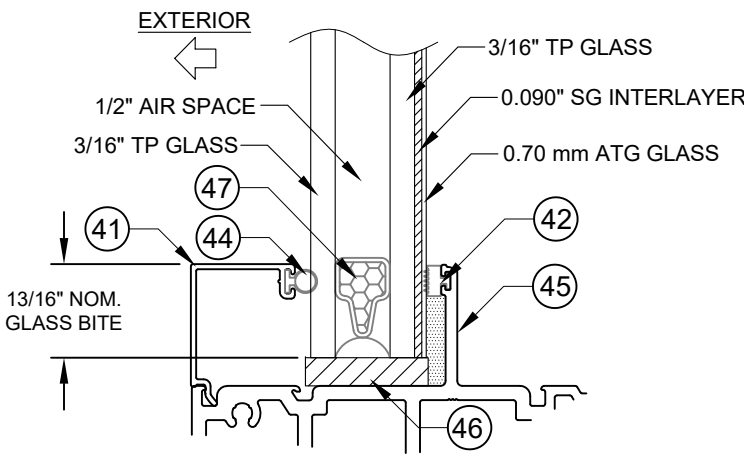
GLASS TYPE 1
5/16" NOM. GLASS STACK



GLASS TYPE 2
15/16" NOM. GLASS STACK (1/8" CAP)
1" NOM. GLASS STACK (3/16" CAP)



GLASS TYPE 3
5/16" NOM. GLASS STACK

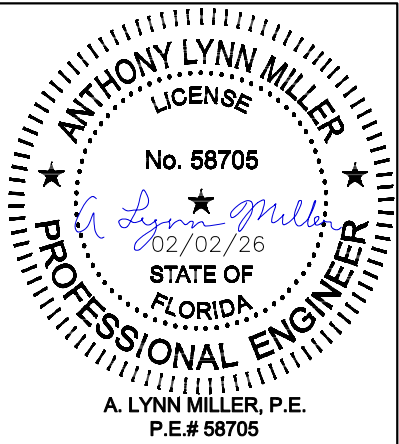


GLASS TYPE 4
1" NOM. GLASS STACK

TABLE 2:

Glass Type	Description (Listed from Exterior to Interior)
1	5/16" Lami: 1/8" HS - 0.090" PVB Interlayer - 1/8" HS
2	1" Lami IG: 1/8" or 3/16" TP Cap - 1/2" Airspace - 1/8" HS - 0.090" PVB Interlayer - 1/8" HS
3	5/16" Lami: 3/16" TP - 0.090" SG Interlayer -, 0.70mm ATG
4	1" Lami IG: 3/16" TP Cap - 1/2" Airspace - 3/16" TP - 0.090" SG Interlayer - 0.70mm ATG

 WINDOOR		WINDOOR, LLC 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600				REGISTRATION #29296 COPYRIGHT © 2026 WINDOOR, LLC, LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	
				SERIES 9942 ALUM. AWNING WINDOW (LM)		5/30/23		Date	
				ANCHOR TABLE & GLASS TYPES		A. MORLESIN		By	
				AW9942A		2 OF 5		Sheet	
Series	AW9942A		2 OF 5		DWG No.		AW9942ALMI-FPA		



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Date			
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TABLE 3:

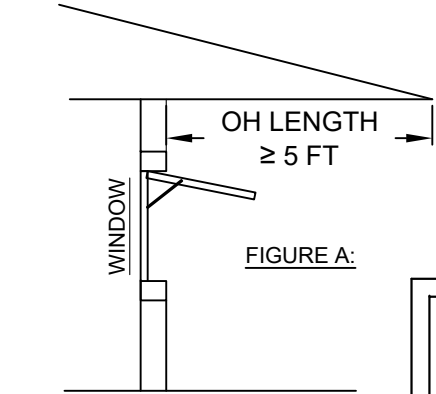
Design Pressure and Anchor Quantities Required																									
Window Height	Anchor Location	Window Width / Window DLO Width / Anchor Group																							
		36"		42"		66"		72"		78"		84"		90"		96"		102"		108"		114"		120"	
		27.5" (DLO)		33.5" (DLO)		57.5" (DLO)		63.5" (DLO)		69.5" (DLO)		75.5" (DLO)		81.5" (DLO)		87.5" (DLO)		93.5" (DLO)		99.5" (DLO)		105.5" (DLO)		111.5" (DLO)	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
20"	Design Pressure:	+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75	
	Jamb	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	Head and Sill	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	
24"	Design Pressure:	+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-72.7		+57.3/-62.1	
	Jamb	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	Head and Sill	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	
28"	Design Pressure:	+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-73.6		+57.4/-62.2		+48.9/-53	
	Jamb	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	Head	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	
32"	Design Pressure:	+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+59.5/-64.5		+50.2/-54.4		+42.8/-46.4	
	Jamb	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	Head and Sill	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	
36"	Design Pressure:	+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+63.7/-69		+53.1/-57.5		+44.8/-48.5		+38.1/-41.3	
	Jamb	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	Head and Sill	2	2	3	3	3	3	4	4	4	4	4	4	4	5	4	5	5	5	5	5	5	5	5	
38.4"	Design Pressure:	+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+59.9/-64.9		+50/-54.1		+42.1/-45.6		+35.8/-38.8	
	Jamb	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	Head and Sill	2	2	3	3	3	3	4	4	4	4	4	4	5	4	5	4	5	5	5	5	5	5	5	
40"	Design Pressure:	+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-75		+65/-73.9		+57.7/-62.5		+48.1/-52.1		+40.5/-43.9			
	Jamb	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
	Head and Sill	2	2	3	3	3	3	4	4	4	4	4	4	5	4	5	4	5	5	5	5	5	5		
44"	Design Pressure:	+65/-75		+65/-75		+65/-75		+65/-75		+65/-74.1		+65/-72.1		+65/-70.4		+63.7/-69		+53/57.4							
	Jamb	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4							
	Head and Sill	2	2	3	3	3	3	4	4	4	4	5	4	5	4	5	4	5	5						
48"	Design Pressure:	+65/-75		+65/-75		+65/-75		+65/-73.1		+65/-70.4		+63/-68.3		+61.4/-66.5		+60/65									
	Jamb	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4									
	Head and Sill	2	2	3	3	4	3	4	4	4	4	5	4	5	4	5	4								
52"	Design Pressure:	+65/-75		+65/-75		+65/-74.3		+65/-70.4		+62.3/-67.5		+60.2/-65.2													
	Jamb	6	6	6	6	6	6	6	6	6	6	6													
	Head and Sill	2	2	3	3	4	3	4	4	4	4	5	4												
56"	Design Pressure:	+65/-75		+65/-75		+65/-72.6		+63.1/-68.4		+60.2/-65.2															
	Jamb	6	6	6	6	6	6	6	6	6	6														
	Head and Sill	2	2	3	3	4	3	4	4	4	4														
60"	Design Pressure:	+65/-75		+65/-75		+65/-71.5		+61.7/-66.9																	
	Jamb	6	6	6	6	6	6	6	6																
	Head and Sill	2	2	3	3	4	3	4	4																
64"	Design Pressure:	+65/-75		+65/-75		+65/-71		+60.8/-65.8																	
	Jamb	6	6	6	6	6	6	6	6																
	Head and Sill	2	2	3	3	4	3	4	4																

NOTES:

- 1) BUCK DIMENSIONS SHOWN. FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE DIMENSION.
- 2) WINDOW SIZE TO COMPLY WITH CURRENT FBC EGRESS REQUIREMENTS WHEN REQUIRED.
- 3) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

JAMB = TOTAL # OF ANCHORS THROUGH THE JAMB. DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

HEAD = TOTAL # OF ANCHORS THROUGH THE HEAD (ALSO SILL IF APPLICABLE).



WINDOWS WITH SILL ARE TESTED FOR WATER INFILTRATION WHEREAS THE WINDOW WITHOUT SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED OR MAY BE USED WHEN THE WINDOW FOR SERVING FROM A SINGLE-FAMILY KITCHEN IS PROTECTED BY AN OVERHANG COMPLYING WITH THE CURRENT FLORIDA BUILDING CODE (SEE FIG A, THIS SHEET). THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.

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104 TRIPLE DIAMOND BLVD
N VENICE, FL 34275
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SERIES 9942 ALUM. AWNING WINDOW (LM)

DESIGN PRESSURE & ANCHOR QUANTITIES

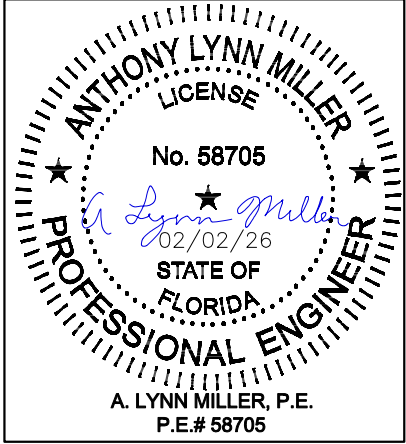
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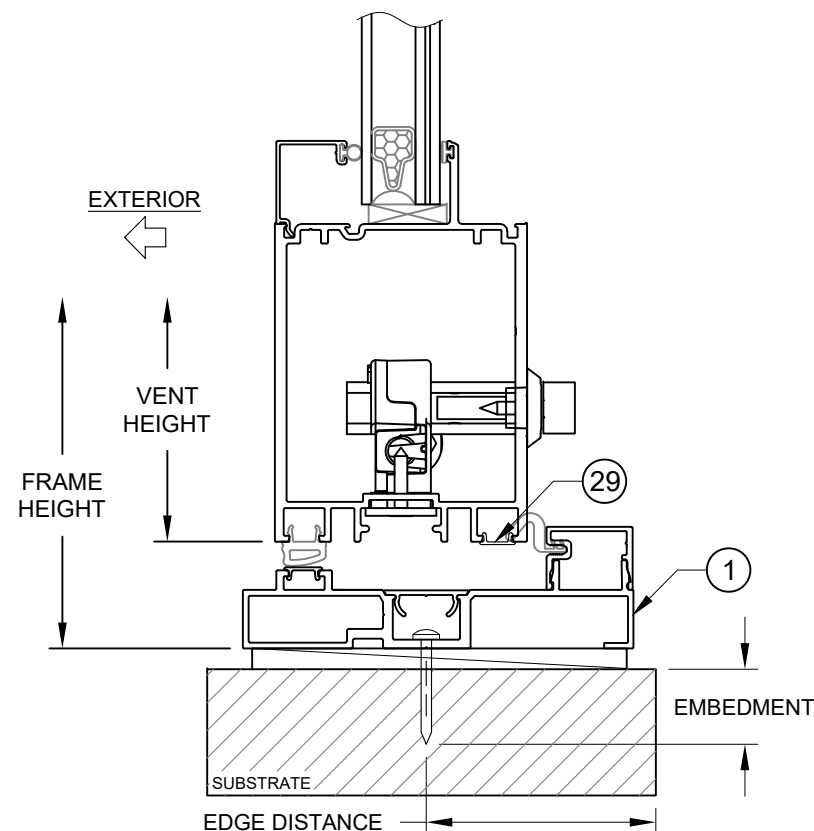
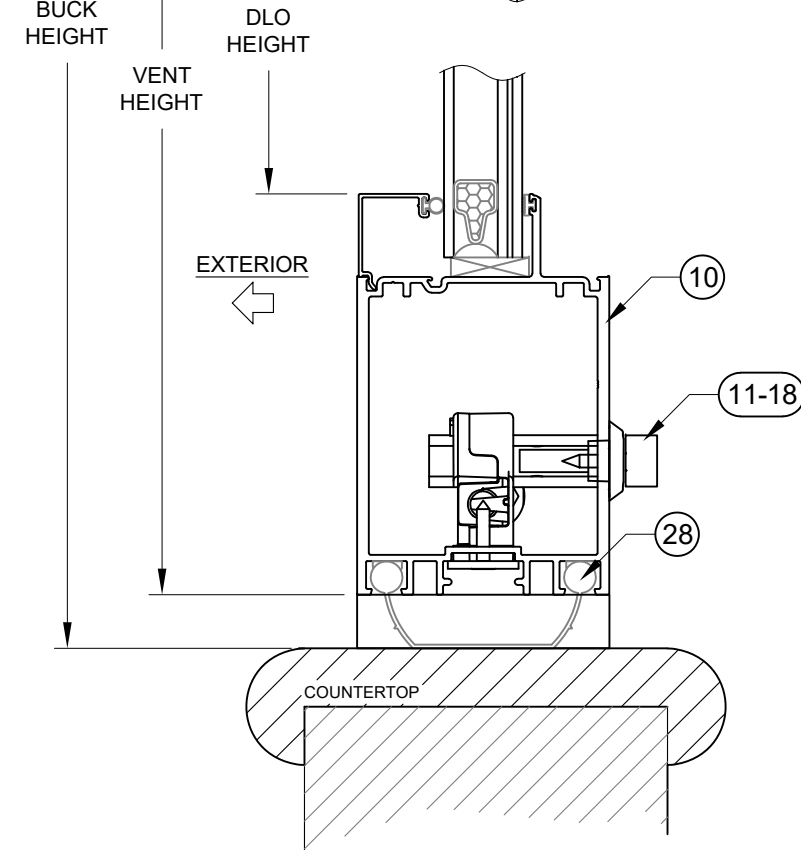
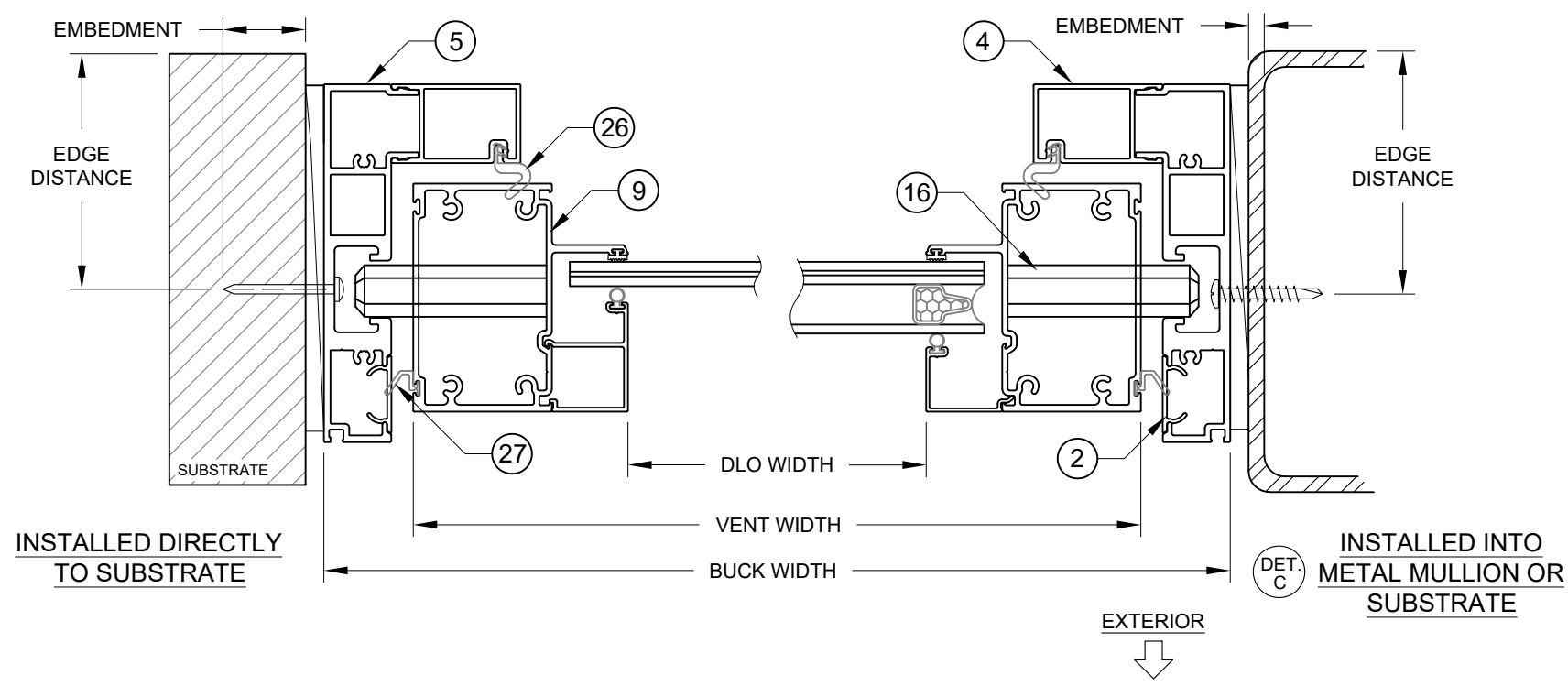
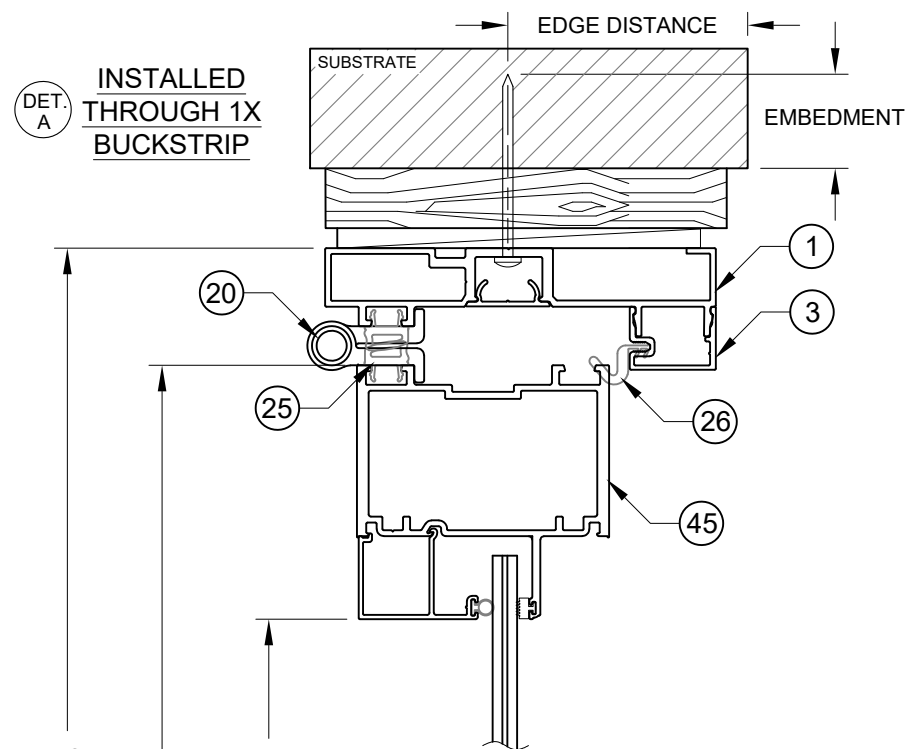
A. MORLESIN

AW9942A

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AW9942ALMI-FPA





INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
- 2) SEE TABLE 1 ON SHEET 2 FOR ANCHORAGE AND SUBSTRATE REQUIREMENTS.
- 3) MAXIMUM SHIM THICKNESS TO BE 1/4".
- 4) MULTIPLE INSTALLATIONS SCENARIOS SHOWN, ANY OF WHICH MAY BE USED AT ANY FRAME MEMBER.
- 5) WOOD BUCKS, NOT BY WINDOOR, MUST SUSTAIN LOADS IMPOSED ON THEM BY THE GLAZING SYSTEM AND TRANSFER LOADS TO THE BUILDING STRUCTURE.

SCALE = 0.75X
THIS SHEET

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WINDOOR, LLC 104 TRIPLE DIAMOND BLVD N. VENICE, FL 34275 (833) 554-5432	SERIES 9942 ALUM. AWNING WINDOW (LM)	4 OF 5 Sheet	AW9942A	INSTALLATION DETAILS

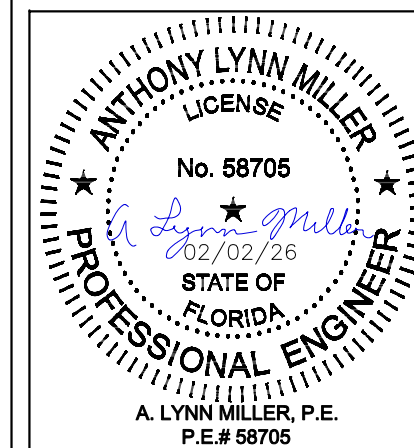
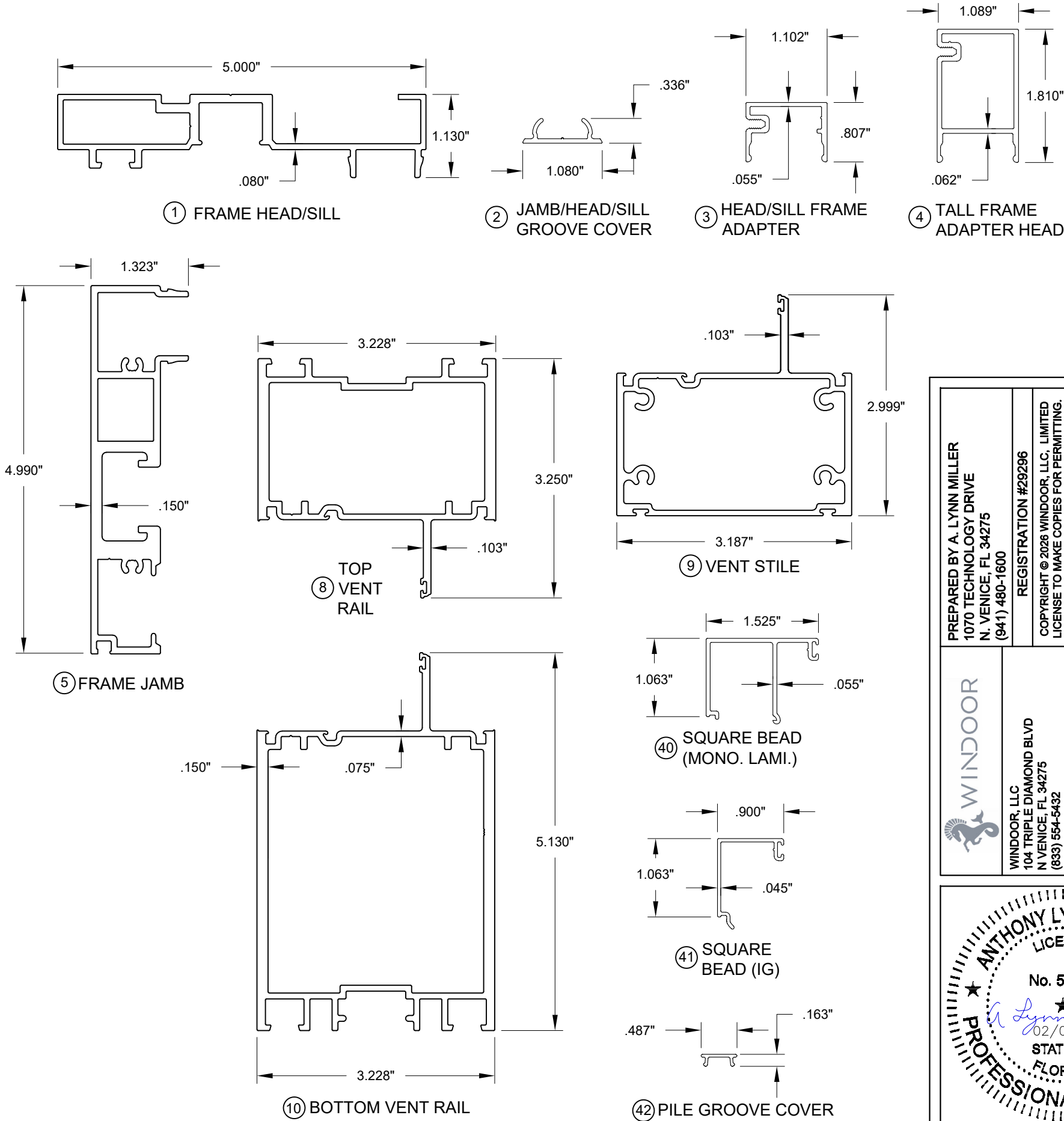


TABLE 4:

Item	Part No.	Description	Material
1	31000	Frame Head/Sill	6063-T6
2	21006	Jamb/Head/Sill Groove Cover	6063-T6
3	21005	Sill/Head Frame Adaptor	6063-T6
4	21090	Tall Frame Adapter Jamb	6063-T6
5	21000	Frame Jamb	6063-T6
8	21008	Top Vent Rail	6063-T6
9	21010	Vent Stile	6063-T6
10	23026	Bottom Vent Rail	6063-T6
11	21019	Flush Bolt Guide Top	Nylon
12	21018	Flush Bolt Guide Bottom	Nylon
13	21022	Backset Shim	Nylon
14	21024	Blank Inactive Mortise Lock	Die Cast
15	21025	Drive Rod Adaptor	Aluminum
16	21026	Hex Throw Bolt SS	Stainless Steel
17	21031	Inactive Flush Handle	Die Cast
18	21033	Threaded Rod 1/4-20 120" Length	Stainless Steel
19	21035	Hinge Fastener Kit, Standard	Die Cast
20	21036	Hinge Assembly	Aluminum
22	21048	Corner Plug	Nylon
23	21053	Keeper Cap Top	Nylon
24	21054	Keeper Cap Bottom	Nylon
25	21044	Sash Meeting Gasket	Foamed Filled PVC
26	21047	C-Fold Gasket	Foamed Filled PVC
27	21103	Q-Lon Gasket @ Jamb	Foamed Filled PVC
28	27002	Bottom Rail Seal (No Frame Sill)	Foamed Filled PVC
29	23029R	Pile Groove Cover	PVC
40	21014	Square Bead (Mono. Lami.)	6063-T6
41	21012	Square Bead (IG)	6063-T6
42	21045	Large Glz. Leg Weatherstrip	Vinyl
43	21046	Small Glz. Leg Weatherstrip	PVC
44	61224	Bead Bulb Vinyl	Foamed Filled PVC
45		DOW 791, 983 or RGS Backbedding	Silicone
46		Setting Block, 85 +/-5 Duro.	EPDM
47		TPS, SuperSpacer or Metal Spacer	Varies



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SERIES 9942 ALUM. AWNING WINDOW (LM)

By
A. MORLESIN

Date
5/30/23

Drawn
A. MORLESIN

Desc.
BOM & EXTRUSIONS

DWG No.
5 OF 5

Sheet
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