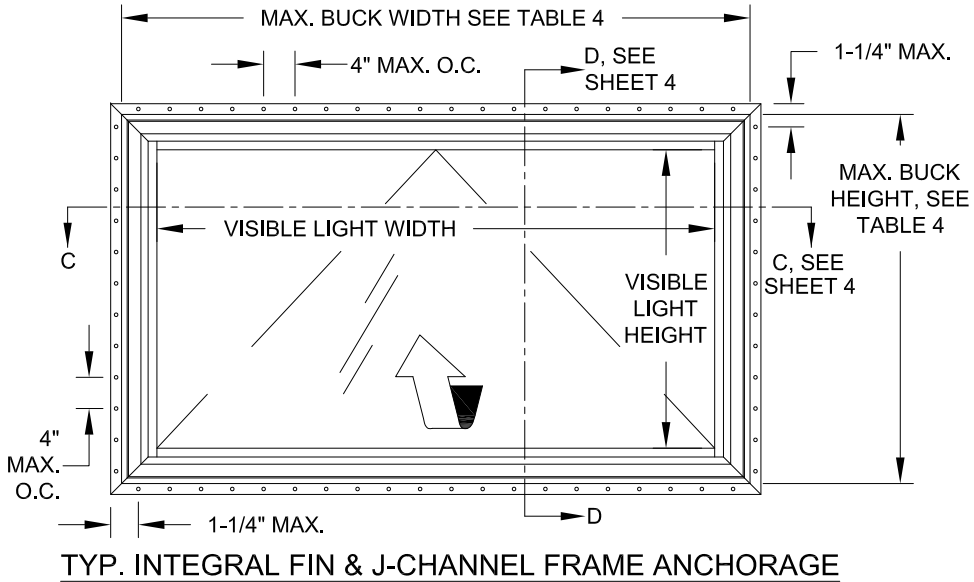


IMPACT RATING	DESIGN PRESSURE RATING
LARGE & SMALL MISSILE IMPACT RESISTANT	VARIES PER OPTIONS, SEE TABLE 4, SHEET 7



SERIES 5540 IMPACT RESISTANT, VINYL AWNING WINDOW

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

3) MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.

4) 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).

5) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE EMBEDMENT. INSTALLATION ANCHORS 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.

6) 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. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.

7) 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.

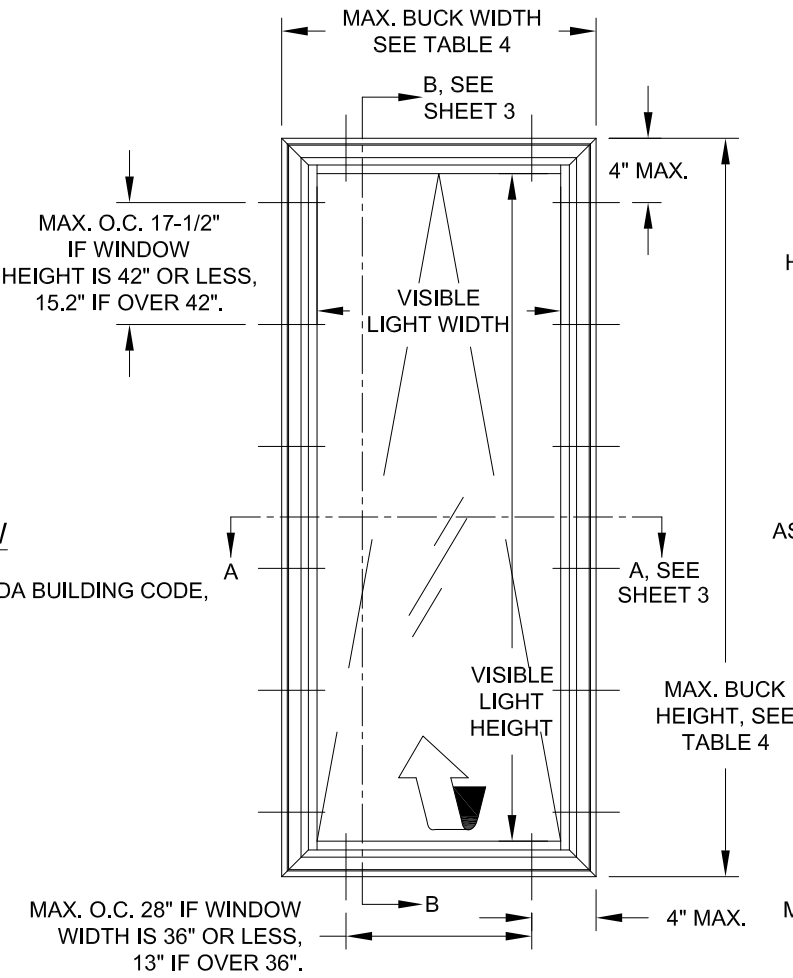
8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED AND SECURED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

9) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

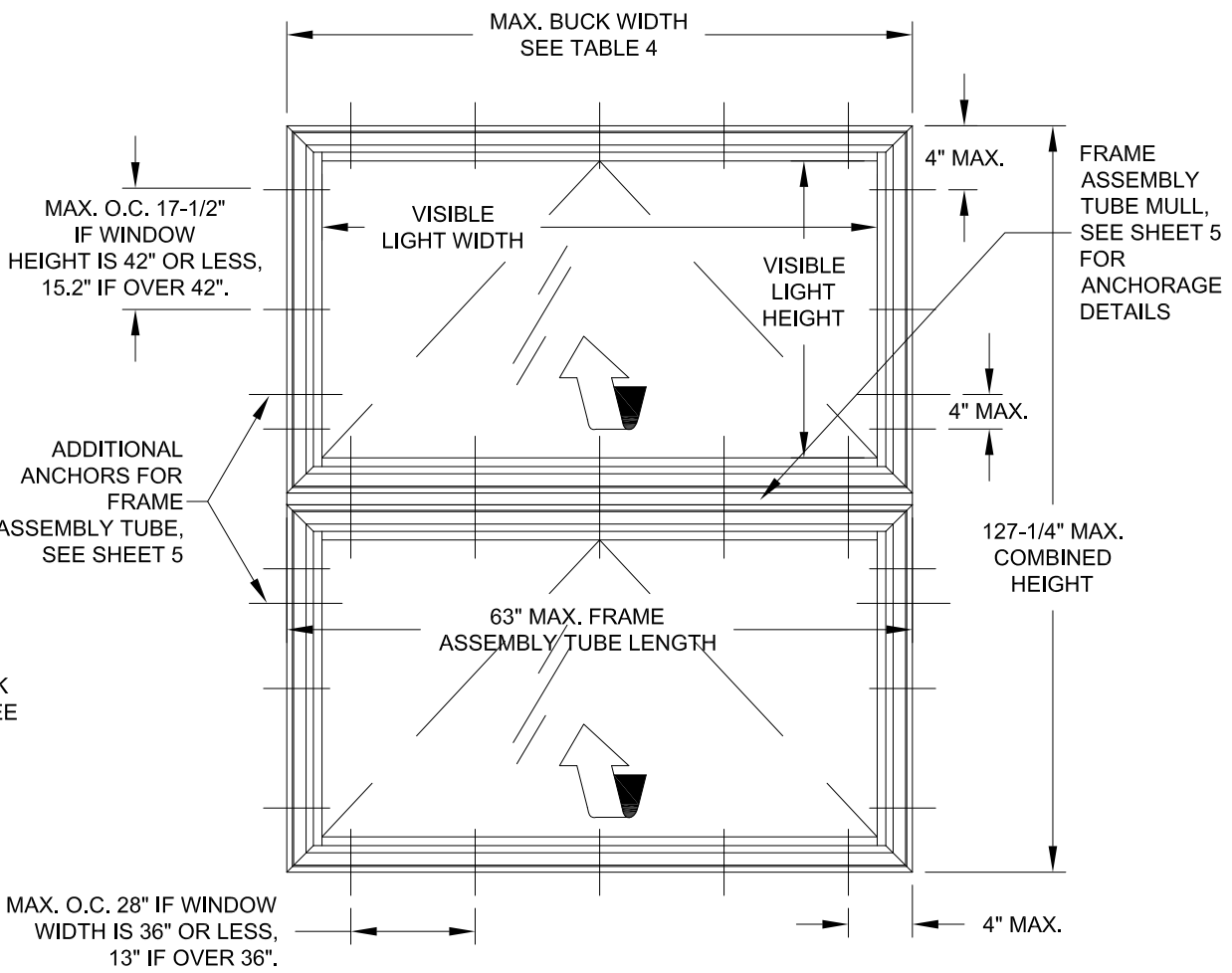
10) REFERENCES: TEST REPORTS FTL-8183, 8174, 19-9037; ELCO ULTRAICON NOA; ELCO CRETEFLEX NOA; ELCO AGGRE-GATOR NOA; VISION WINDOW AND DOOR PROFILES, LTD WHITE & BRONZE/LIGHTER SHADES OF CAP COATED PVC EXTRUSION NOA'S; NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, ANSI/AF&PA NDS & ALUMINUM DESIGN MANUAL

11) PVB INTERLAYER MANUFACTURED BY KURARAY AMERICA, INC.

12) FRAME FLANGES OR INTEGRAL FINNS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.



TYP. EQUAL-LEG/BOX & FLANGE FRAME ANCHORAGE



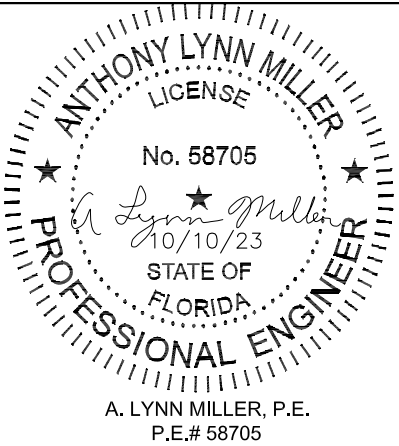
TYP. X/X EQUAL-LEG/BOX & FLANGE FRAME ANCHORAGE USING FRAME ASSEMBLY TUBE/MULL

VISIBLE LIGHT FORMULAS

WIDTH: BUCK WIDTH - 6-3/4"
HEIGHT: BUCK HEIGHT - 6-3/4"

GENERAL NOTES & ELEVATIONS.....	1
FRAME, GLASS & ANCHOR OPTIONS.....	2
INSTALLATION, FLANGE & EQUAL LEG.....	3
INSTALLATION, INTEGRAL FIN & J-CHANNEL.....	4
FRAME ASSEMBLY TUBE.....	5, 6
DESIGN PRESSURES.....	7
HARDWARE.....	8
BOM & ASSEMBLY.....	9

COPYRIGHT © 2023
PGT INDUSTRIES, INC.
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING.





CERT. OF AUTH. #29296

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

VINYL AWNING WINDOW (LMI)		Date	06/03/19
GENERAL NOTES & ELEVATION		Drawn By	J ROSOWSKI
ADDED HEAD TYPE NOTE. - JR - 10/10/23			
AW-5540	Scale	NTS	Sheet
1 OF 9	DWG No.	AW5540 LAMI	Rev. No.
B			

TABLE 1: ALLOWABLE GLASS TYPES

Glass Type	Description	Table #	Sheet #
1	7/16" Lami (3/16" A - .090" PVB - 3/16" A)	4	7
2	7/16" Lami (3/16" H - .090" PVB - 3/16" H)	4	7

"A" = ANNEALED
"H" = HEAT STRENGTHENED
"PVB" = .090" TROSIFOL® PVB
BY KURARAY AMERICA, INC.

TABLE 2: ANCHORS INSTALLED THROUGH FRAME

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
A	#10 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
		Steel, A36*	3/8"	0.050"
		Steel Stud, A653 Gr. 33*	3/8"	0.0451" (18 Ga.)
		Aluminum, 6063-T5*	3/8"	0.050"
	3/16" steel Ultracon+	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
B	#12 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=0.55)	9/16"	1-3/8"
		Steel, A36*	3/8"	0.050"
		Steel Stud, A653 Gr. 33*	3/8"	0.0451" (18 Ga.)
		Aluminum, 6063-T5*	3/8"	0.063"
	1/4" steel Ultracon+	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	1/4" steel Creteflex	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	1/4" steel Aggre-Gator	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
C	1/4" steel Ultracon+	Concrete (min. 3 ksi)	1-3/16"	1-3/4"
		UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	1/4" steel Creteflex	Concrete (min. 3.35 ksi)	1"	1-3/4"
D	1/4" steel Ultracon+	Concrete (min. 3 ksi)	2-1/2"	1-3/4"
	1/4" steel Ultracon+	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
	1/4" steel Creteflex	Concrete (min. 3.35 ksi)	2-1/2"	1-3/4"
		UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
	1/4" steel Aggre-Gator	Concrete (min. 3.275 ksi)	1-1/2"	1-3/8"
		Grouted CMU, (ASTM C-90)	2"	2"

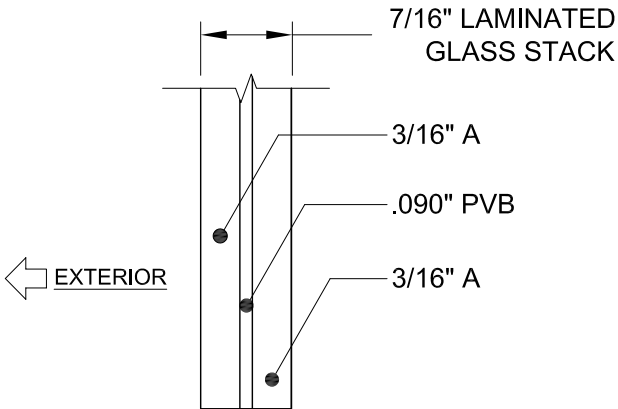
* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.
"UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
ALL HEAD TYPES APPLICABLE.

TABLE 3: ANCHORS INSTALLED THROUGH INTEGRAL FIN

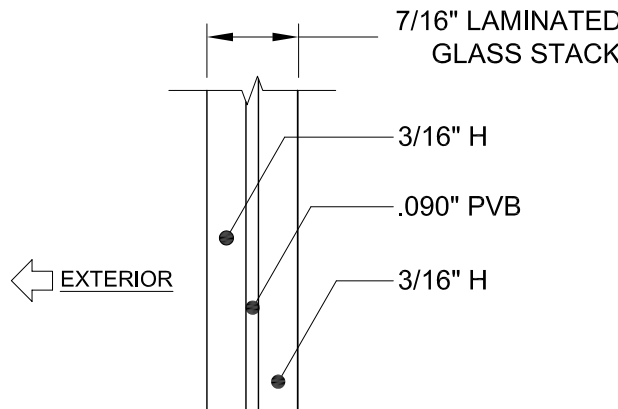
Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
F	2-1/2" Ring-shank Roofing Nail	P.T. Southern Pine (SG=.55)	3/8"	2-7/16"
	#10 Trusshead SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=.55)	1/2"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.050"
		Steel Stud, Gr. 33*	3/8"	0.0451" (18 Ga.)
		Steel, A36*	3/8"	0.050"
	#12 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=.55)	9/16"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.063"
		Steel Stud, Gr. 33*	3/8"	0.050"
		Steel, A36*	3/8"	0.050"

* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE. ALL HEAD TYPES APPLICABLE.

NOTE:
USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLES 2 & 3, THIS SHEET. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.

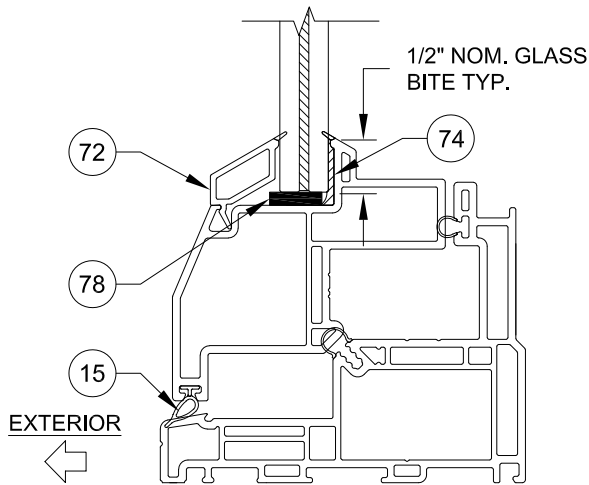
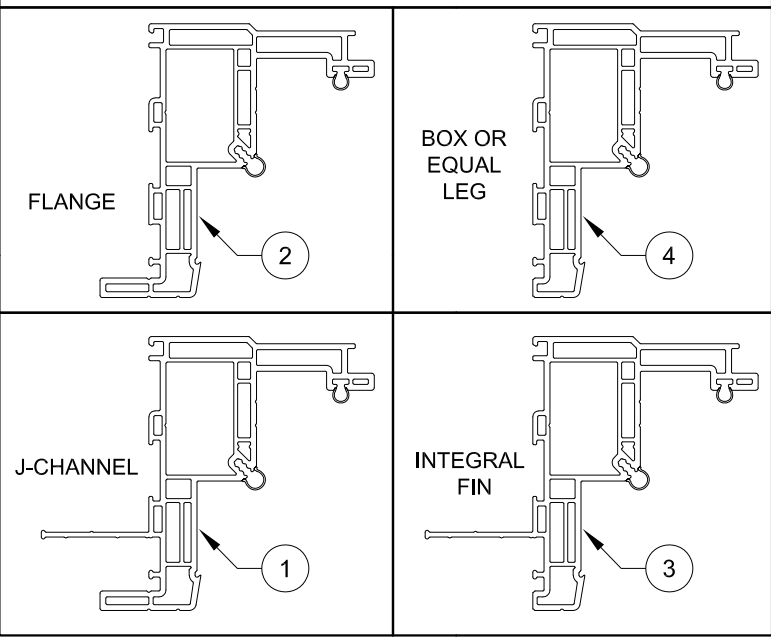


GLASS TYPE 1



GLASS TYPE 2

WINDOW FRAMES MAY BE ANY OF THOSE SHOWN BELOW:



TYP. GLAZING DETAIL

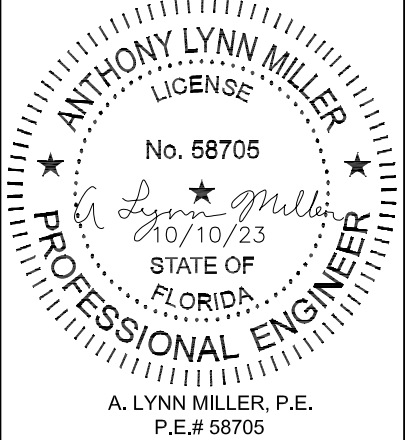


CERT. OF AUTH. #29296

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Series Rev B	VINYL AWNING WINDOW (LMI)					Date	06/03/19						
	GLASS/ANCHORS/FRAME OPTIONS					Drawn By	J ROSOWSKI						
AW-5540		Scale	NTS		Sheet	2 OF 9		DWG No.	AW5540 LAMI		Rev. No.	B	

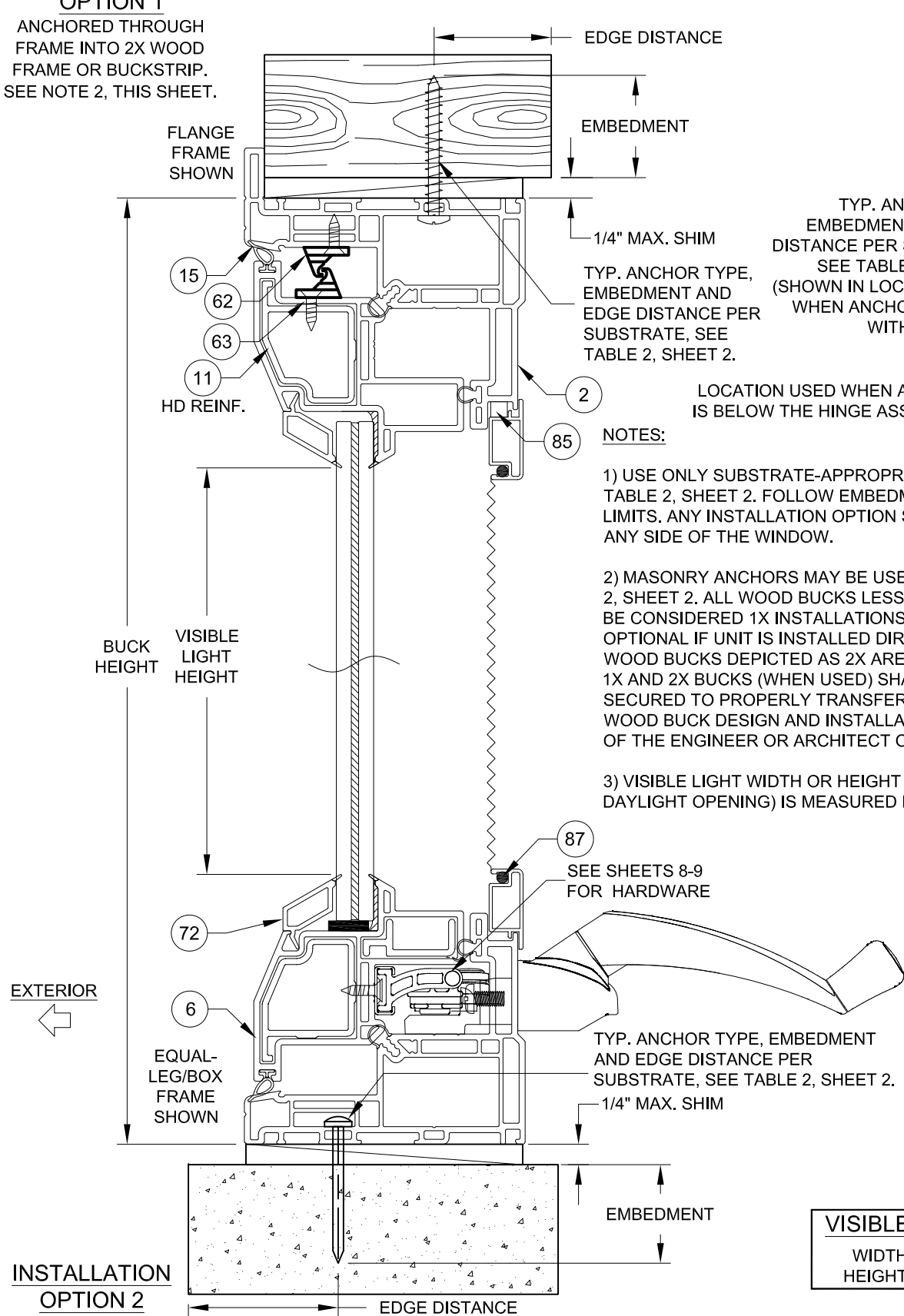
COPYRIGHT © 2023
PGT INDUSTRIES, INC.
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING.



ANTHONY LYNN MILLER
LICENSE
No. 58705
10/10/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

INSTALLATION DETAILS FOR FLANGE & EQUAL-LEG/BOX FRAMES

INSTALLATION
OPTION 1
ANCHORED THROUGH
FRAME INTO 2X WOOD
FRAME OR BUCKSTRIP.
SEE NOTE 2, THIS SHEET.



INSTALLATION
OPTION 2
ANCHORED THROUGH
FRAME DIRECTLY INTO
CONCRETE/CMU.

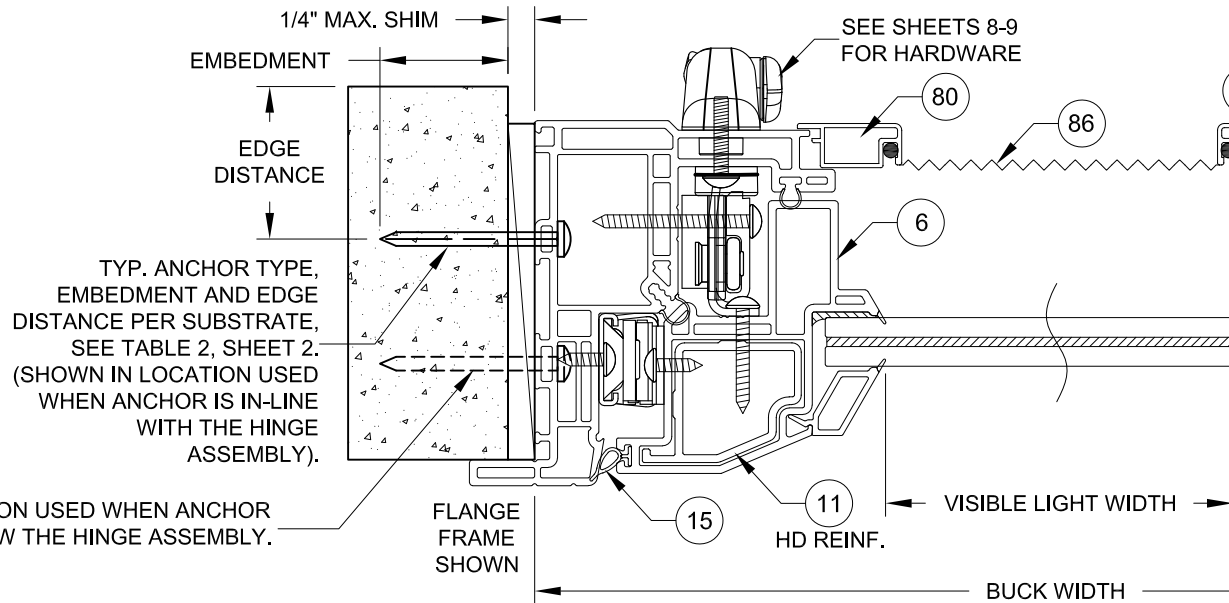
VERTICAL SECTION B-B

NOTES:

- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 2, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
- 2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. 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 OR ARCHITECT OF RECORD.
- 3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.

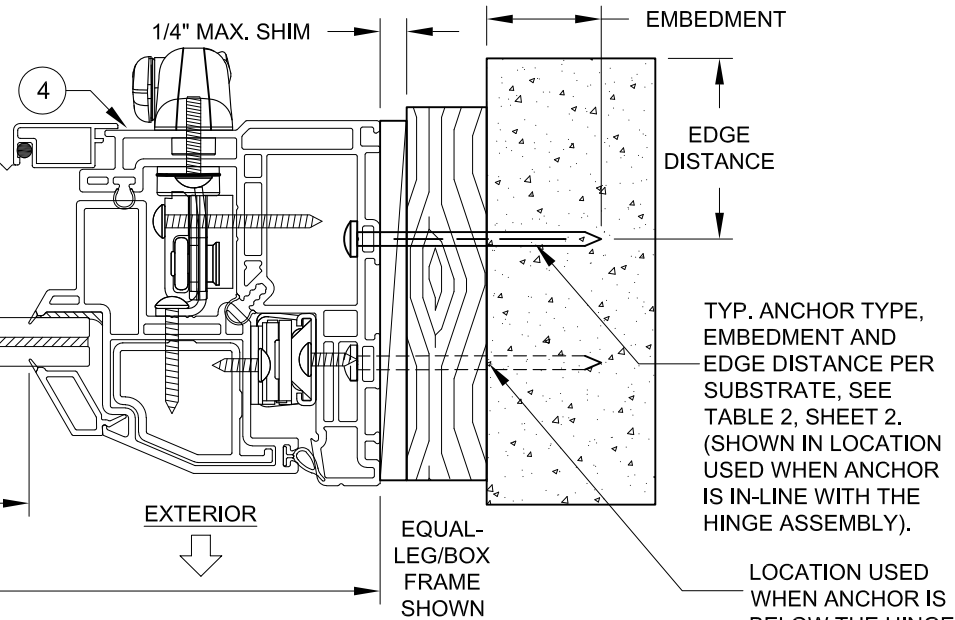
VISIBLE LIGHT FORMULAS
WIDTH: BUCK WIDTH - 6-3/4"
HEIGHT: BUCK HEIGHT - 6-3/4"

INSTALLATION OPTION 2
ANCHORED THROUGH FRAME
DIRECTLY INTO CONCRETE/CMU.

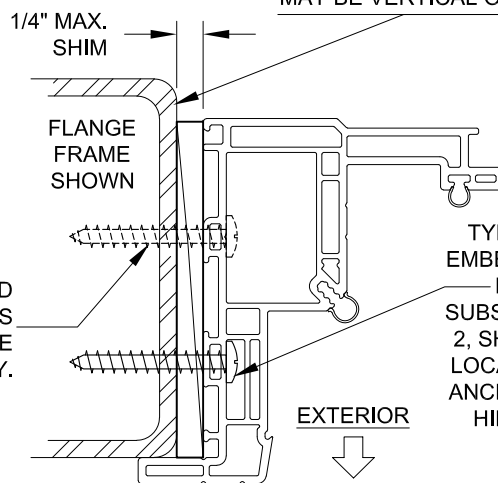


HORIZONTAL SECTION A-A

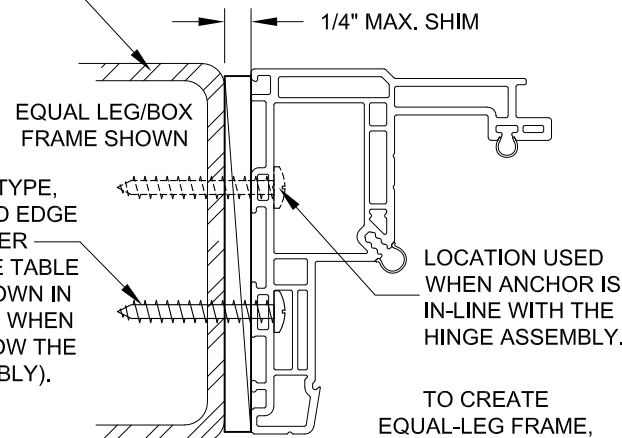
INSTALLATION OPTION 3
ANCHORED THROUGH FRAME AND 1X
BUCKSTRIP INTO CONCRETE/CMU.
SEE NOTE 2, THIS SHEET.



FBC APPROVED MULLION, FBC COMPLIANT ALUMINUM/STEEL FRAMING OR STEEL STUD.
MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLE 2, SHEET 2.



INSTALLATION
OPTION 4
ANCHORED THROUGH
FRAME INTO METAL



INSTALLATION
OPTION 4
ANCHORED THROUGH
FRAME INTO METAL

TO CREATE
EQUAL-LEG FRAME,
FIN AND/OR FLANGE
MAY BE REMOVED
IN-FIELD

EXTERIOR

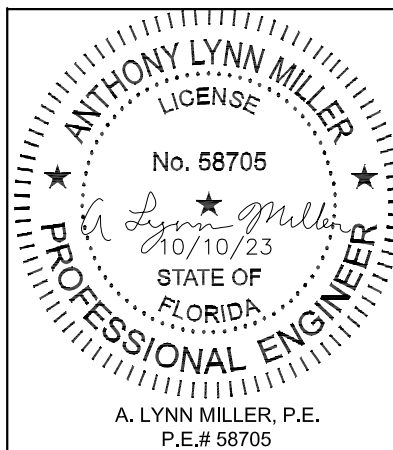


CERT. OF AUTH. #29296

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

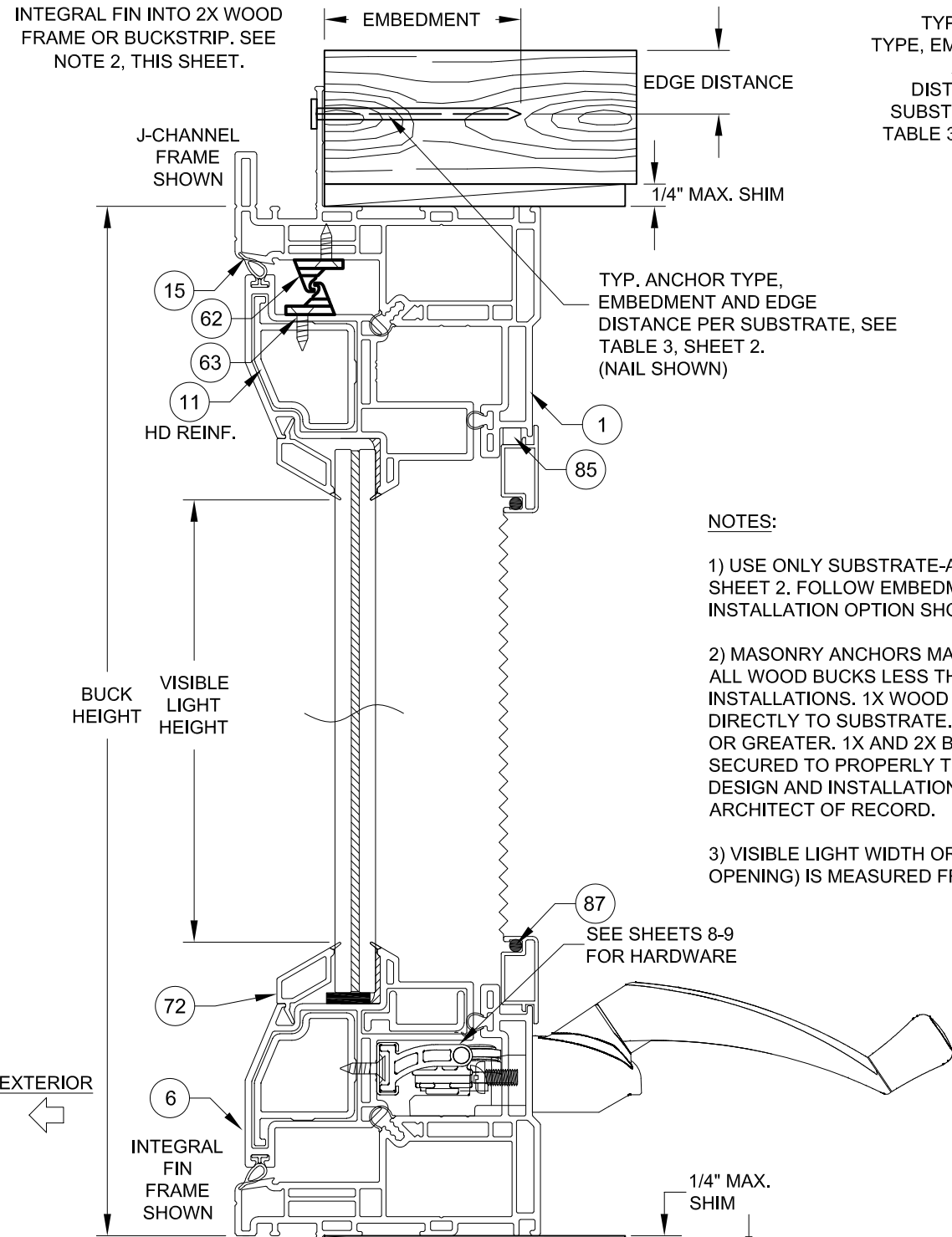
VINYL AWNING WINDOW (LMI)										Date	06/03/19		
FLANGE & EQUAL-LEG/BOX FRAMES										Drawn	By	J ROSOWSKI	
AW-5540		Scale	NTS		Sheet	3 OF 9		DWG No.	AW5540 LAMI		Rev. No.	B	

COPYRIGHT © 2023
PGT INDUSTRIES, INC.
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING.



INSTALLATION DETAILS FOR INTEGRAL FIN & J-CHANNEL FRAMES

INSTALLATION OPTION 5
ANCHORED THROUGH
INTEGRAL FIN INTO 2X WOOD
FRAME OR BUCKSTRIP. SEE
NOTE 2, THIS SHEET.



INSTALLATION
OPTION 5
ANCHORED THROUGH
INTEGRAL FIN INTO 2X
WOOD FRAME OR
BUCKSTRIP. SEE NOTE 2,
THIS SHEET.

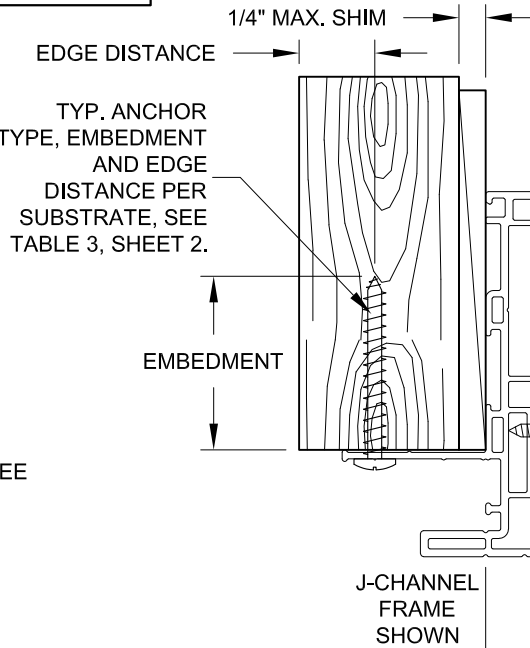
VERTICAL SECTION D-D

NOTES:

- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLES 2 & 3, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
- 2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. 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 OR ARCHITECT OF RECORD.
- 3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.

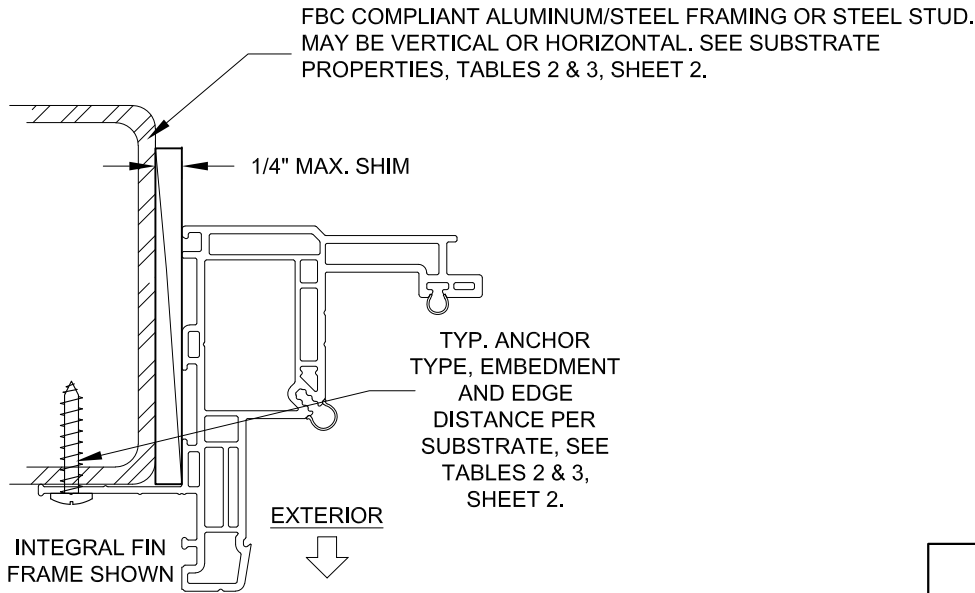
VISIBLE LIGHT FORMULAS
WIDTH: BUCK WIDTH - 6-3/4"
HEIGHT: BUCK HEIGHT - 6-3/4"

TYP. ANCHOR TYPE, EMBEDMENT
AND EDGE DISTANCE PER
SUBSTRATE, SEE TABLE 3, SHEET 2.
(SCREW SHOWN)



HORIZONTAL SECTION C-C

INSTALLATION OPTION 5
ANCHORED THROUGH INTEGRAL FIN
INTO 2X WOOD FRAME OR BUCKSTRIP.
SEE NOTE 2, THIS SHEET.



INSTALLATION
OPTION 7
ANCHORED THROUGH
FRAME INTO METAL

PGT
CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

VINYL AWNING WINDOW (LMI)		Date		06/03/19	
J-CHANNEL & INTEGRAL FIN FRAMES		Drawn By		J ROSOWSKI	
AW-5540		Scale	NTS	Sheet	4 OF 9
Dwg No.		AW5540 LAMI		Rev. No.	B

COPYRIGHT © 2023
PGT INDUSTRIES, INC.
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING.

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/10/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

ILLUSTRATION OF AWNING-TO-AWNING (XX)
(EQUAL LEG/BOX FRAME WITH IDENTICAL PRODUCTS COMBINED)

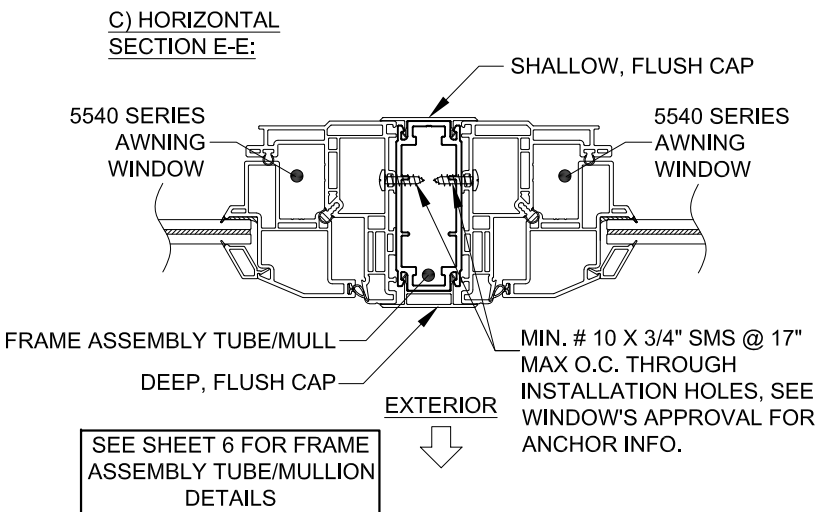
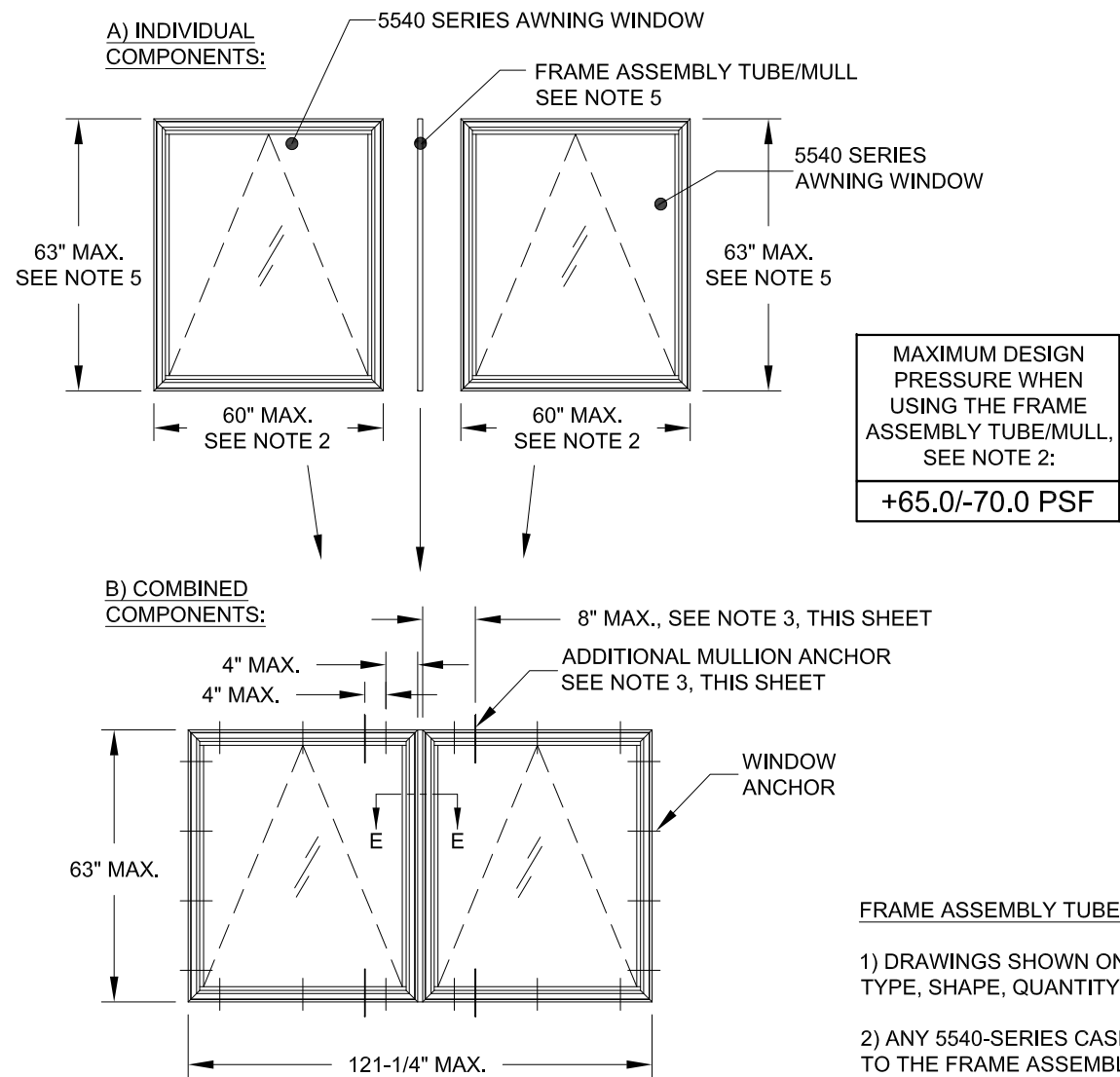
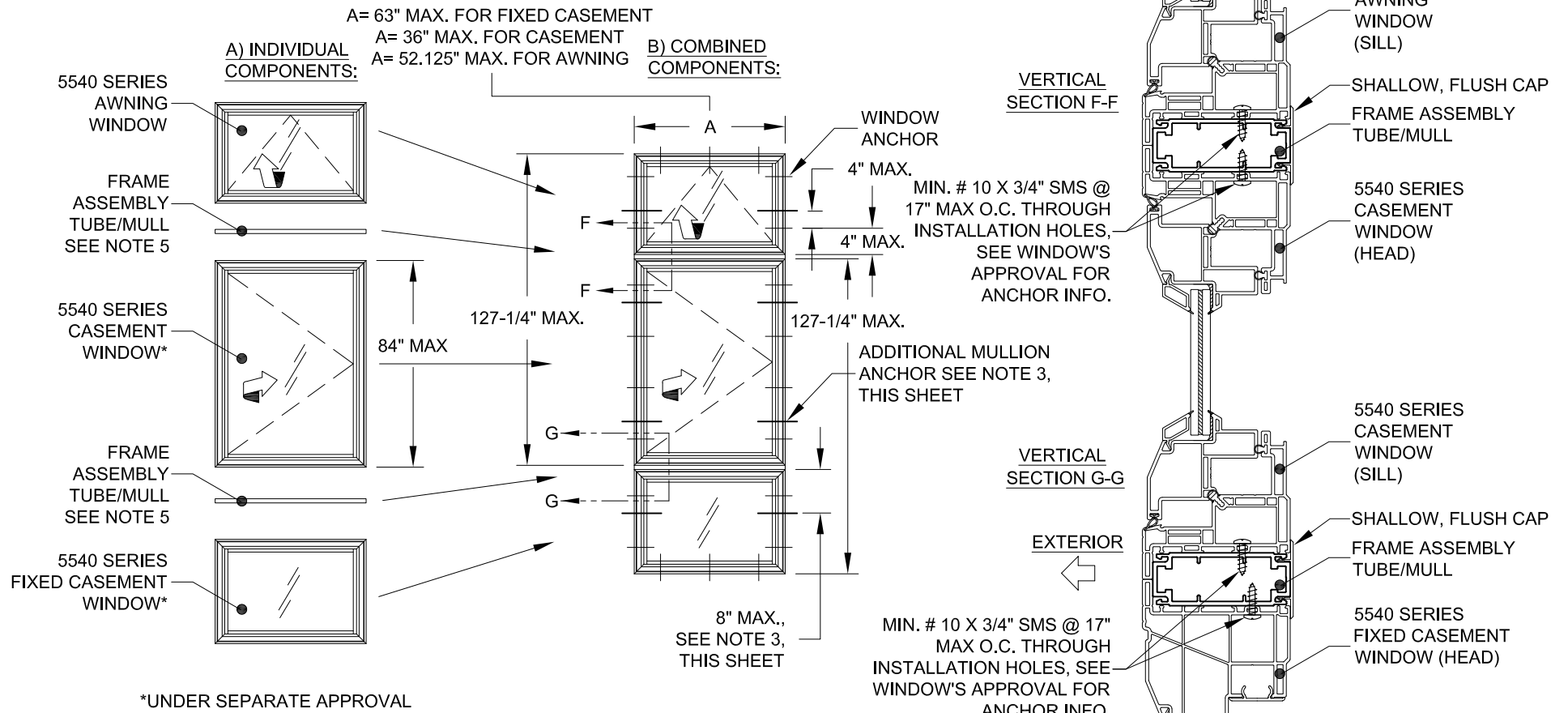


ILLUSTRATION OF AWNING-TO-CASEMENT-TO-FIXED CASEMENT (X/X/O)
(FLANGE FRAME WITH DIFFERENT 5540 SERIES PRODUCTS COMBINED)



FRAME ASSEMBLY TUBE/MULL NOTES, ALSO SEE NEXT SHEET:

1) DRAWINGS SHOWN ON THIS SHEET ARE EXAMPLE CONFIGURATIONS FOR ALL FRAME TYPES. ADDITIONAL CONFIGURATIONS BASED ON WINDOW SIZE, TYPE, SHAPE, QUANTITY AND FRAME ASSEMBLY TUBE ORIENTATION ARE PERMISSIBLE FOLLOWING THE GUIDELINES OF THIS SHEET.

2) ANY 5540-SERIES CASEMENT (UNDER SEPARATE APPROVAL), FIXED CASEMENT (UNDER SEPARATE APPROVAL) OR AWNING WINDOW MAY BE ATTACHED TO THE FRAME ASSEMBLY TUBE/MULL, IN ANY COMBINATION TO THE SPAN AND WIDTH LIMIT SHOWN. FOR ALL WINDOWS IN THE ASSEMBLY, USE EACH WINDOW'S INDIVIDUAL APPROVAL FOR ANCHORAGE, SIZE AND DESIGN PRESSURE LIMITATIONS. THE LOWEST DESIGN PRESSURE OF THE WINDOWS OR FRAME ASSEMBLY TUBE/MULL APPLIES TO THE ENTIRE ASSEMBLY.

3) FOR ALL COMBINATION UNITS, ADDITIONAL INSTALLATION ANCHORS ARE REQUIRED TO BE INSTALLED THROUGH THE WINDOW FRAMES, AS SHOWN ON THIS SHEET, ON EACH SIDE OF THE FRAME ASSEMBLY TUBE/MULL WHEN USING FLANGE OR EQUAL-LEG/BOX FRAMES. FOR FIN OR J-CHANNEL FRAMES ADDITIONAL ANCHORS AND END CAPS ARE REQUIRED AS SHOWN ON SHEET 6.

4) FOR FLANGE OR EQUAL-LEG/BOX FRAMES, THE FRAME ASSEMBLY TUBE TO BE FASTENED TO WINDOW, AS SHOWN IN DETAILS, WITH MIN. #10 X 3/4" SHEET METAL SCREWS. USE THE SAME SPACING AND QUANTITY AS THE WINDOW INSTALLATION ANCHORS GIVEN IN THAT PRODUCT'S APPROVAL, UP TO 17" MAX. O.C., ADD ADDITIONAL ANCHORS AS NEEDED. THE FRAME ASSEMBLY TUBE IS NOT REQUIRED TO BE CLIPPED TO THE SUBSTRATE. ALL EXTERIOR JOINTS TO BE SEALED BY INSTALLER.

5) THE FRAME ASSEMBLY TUBE/MULL MAY NOT EXCEED 63" IN LENGTH OR BE USED IN TEE OR CROSS CONFIGURATIONS. TWO ADJACENT WINDOWS MAY NOT EXCEED A TOTAL OF 127-1/4" IN WIDTH OR HEIGHT, FROM WINDOW BUCK TO WINDOW BUCK, INCLUDING THE FRAME ASSEMBLY TUBE/MULL WIDTH.

6) SHEET 5 & 6 REFER TO UNCLIPPED MULLION ASSEMBLIES. FOR CLIPPED MULLION ASSEMBLIES SEE TUBE MULLION UNDER SEPARATE APPROVAL, TO BE REVIEWED BY BUILDING OFFICIAL.

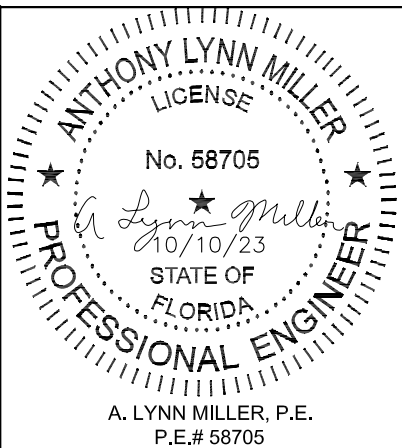


CERT. OF AUTH. #29296

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

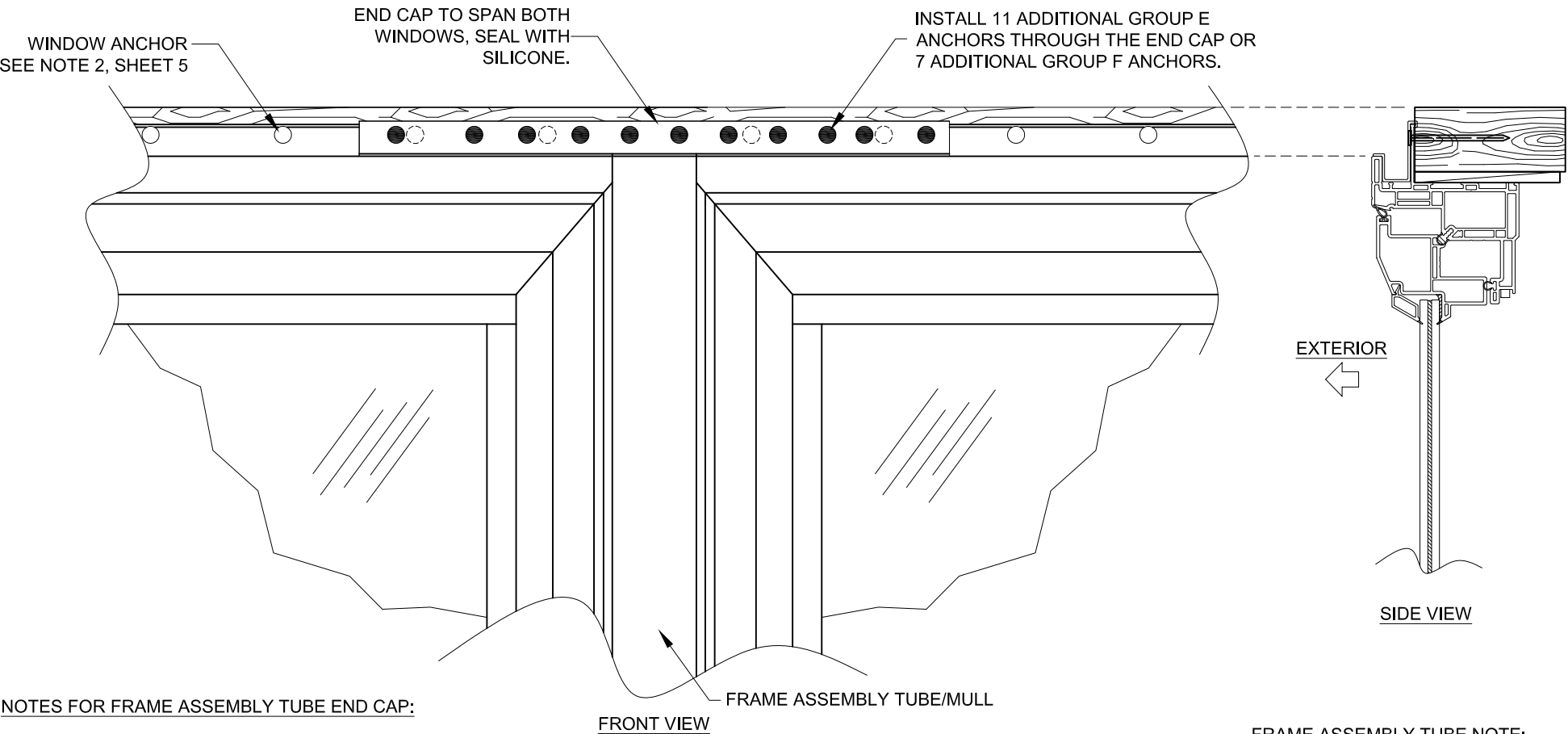
Series	Rev A	Rev B	Desc.	Title			Date	06/03/19	
				VINYL AWNING WINDOW (LMI)					
Series	Rev A	Rev B	Desc.	FRAME ASSEMBLY TUBE DETAILS A		Drawn By	J ROSOWSKI		
AW-5540		Scale	NTS	Sheet	5 OF 9	DWG No.	AW5540 LAMI	Rev. No.	B

COPYRIGHT © 2023
PGT INDUSTRIES, INC.
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING.



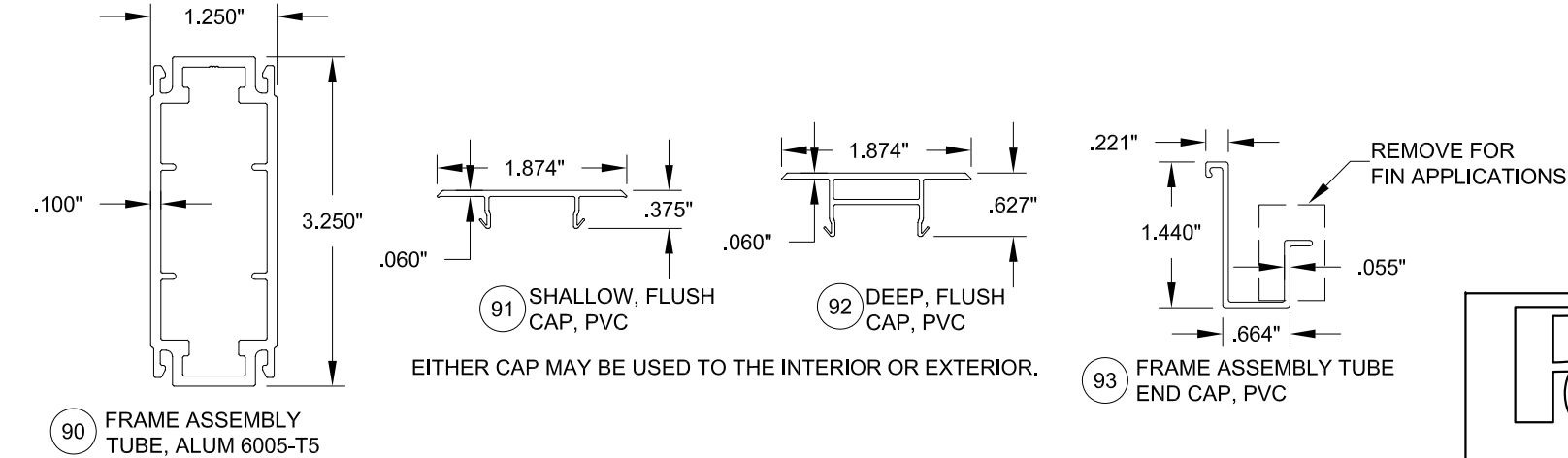
A. LYNN MILLER, P.E.
P.E.# 58705

ILLUSTRATION OF END CAP USE WITH FIN AND J-CCHANNEL FRAMES



NOTES FOR FRAME ASSEMBLY TUBE END CAP:

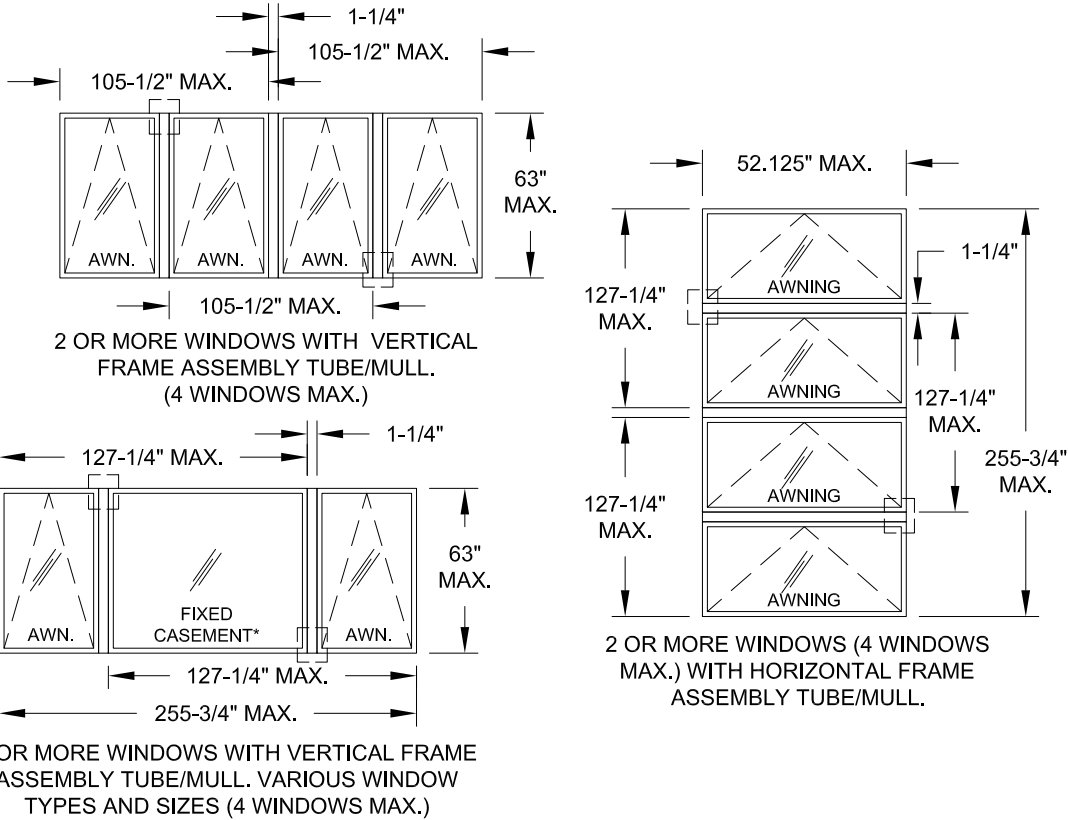
- 1) APPLIES TO FIN OR J-CHANNEL FRAMES.
- 2) REQUIRED AT HEADER/SILL OR JAMBS TO SEAL THE END OF THE FRAME ASSEMBLY TUBE.
- 3) ALL WINDOW TYPES AND FRAME ASSEMBLY TUBE ORIENTATIONS APPLICABLE, SEE SHEET 5.
- 4) END CAP MAY REQUIRE IN-FIELD TRIMMING. STANDARD LENGTH IS 14".



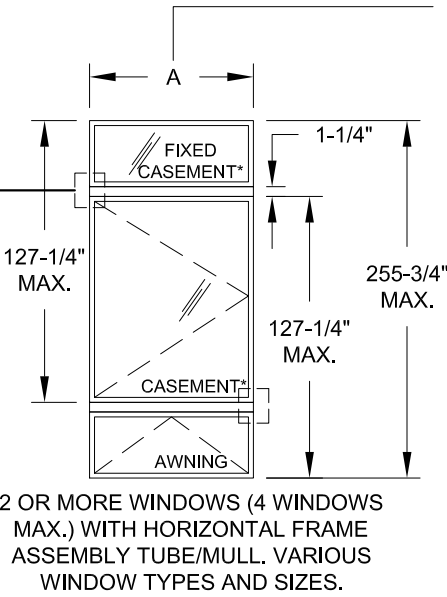
FRAME ASSEMBLY TUBE NOTE:

REFER TO SHEET 5 FOR THROUGH-FRAME ANCHORAGE AND THIS SHEET FOR NAIL FIN ANCHORAGE DETAILS TYP. AT ALL FRAME ASSEMBLY TUBE ENDS BOTH HORIZONTAL AND VERTICAL

EXAMPLE CONFIGURATIONS WHEN USING THE FRAME ASSEMBLY TUBE/MULL. FOR TEES, CROSSES OR ASSEMBLIES WITH MORE THAN 4 UNITS USE CLIPPED, TUBE MULLION UNDER SEPARATE APPROVAL.



A= 63" MAX. FOR FIXED CASEMENT
A= 36" MAX. FOR CASEMENT
A= 52.125" MAX. FOR AWNING



PGT
CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Series Rev B	Title		Date	
	VINYL AWNING WINDOW (LMI)		06/03/19	
	FRAME ASSEMBLY TUBE DETAILS B		Drawn By	J ROSOWSKI
	AW-5540		Scale	NTS
Sheet		6 OF 9		DWG No.
AW5540 LAMI		Rev. No.		B

COPYRIGHT © 2023
PGT INDUSTRIES, INC.
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING.

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/10/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 4:

Window Design Pressure (+/-, psf)													Glass Types:	1 & 2						
7/16" A/A PVB																				
7/16" H/H PVB																				
Window Dimensions		Buck Width (in)																		
		28	30	32	34	36	38	40	42	44	46	48	50	52.125						
Buck Height (in)	42	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70						
	43.776	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70							
	45.6	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70								
	47.583	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70									
	49.745	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70										
	52.114	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70											
	54.72	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+64.2/-69.2												
	57.6	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+64/-68.9													
	60.8	+65/-70	+65/-70	+65/-70	+65/-70	+64.3/-69.3			<table><tr><td>MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4</td><td>MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4</td></tr><tr><td>APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)</td><td>APPLIES TO F ANCHORS (SEE TABLE 3)</td></tr><tr><td>SEE ELEVATION ON SHEET 1</td><td>4" FOR F ANCHORS</td></tr></table>						MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4	MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4	APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)	APPLIES TO F ANCHORS (SEE TABLE 3)	SEE ELEVATION ON SHEET 1	4" FOR F ANCHORS
	MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4	MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4																		
	APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)	APPLIES TO F ANCHORS (SEE TABLE 3)																		
	SEE ELEVATION ON SHEET 1	4" FOR F ANCHORS																		
	64.376	+65/-70	+65/-70	+65/-70	+65/-70															
	68.4	+65/-70	+65/-70	+65/-70																
	72.96	+65/-70	+65/-70																	
78.171	+65/-70	+65/-70																		
84	+65/-70	+65/-70																		

NOTES:

- 1) BUCK DIMENSIONS SHOWN.
- 2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

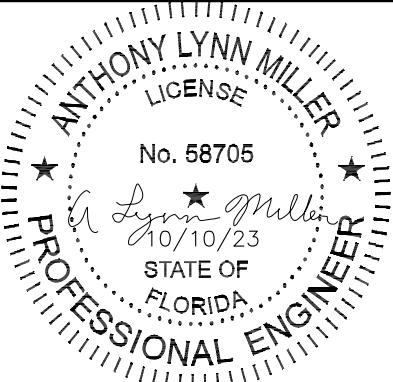


CERT. OF AUTH. #29296

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Series Rev B	Rev A	Desc.	VINYL AWNING WINDOW (LMI)							Date	06/03/19		
			DESIGN PRESSURES							Drawn By	J ROSOWSKI		
AW-5540		Scale	NTS		Sheet	7 OF 9		DWG No.	AW5540 LAMI		Rev. No.	B	

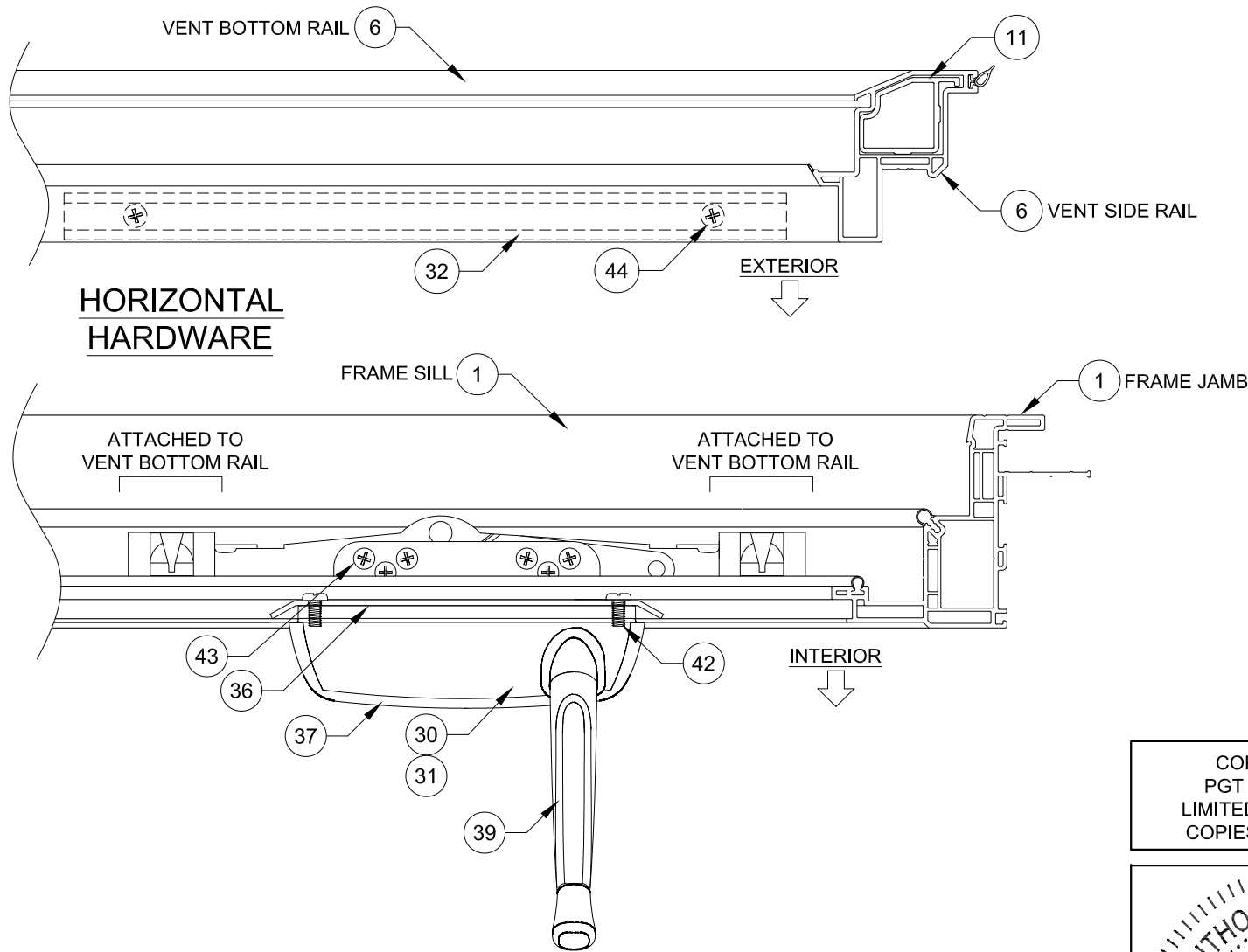
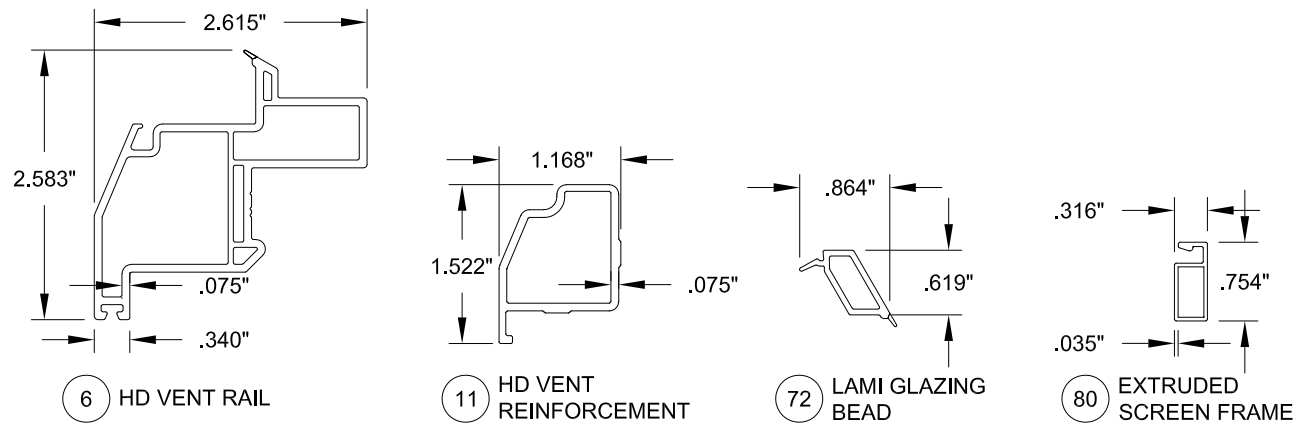
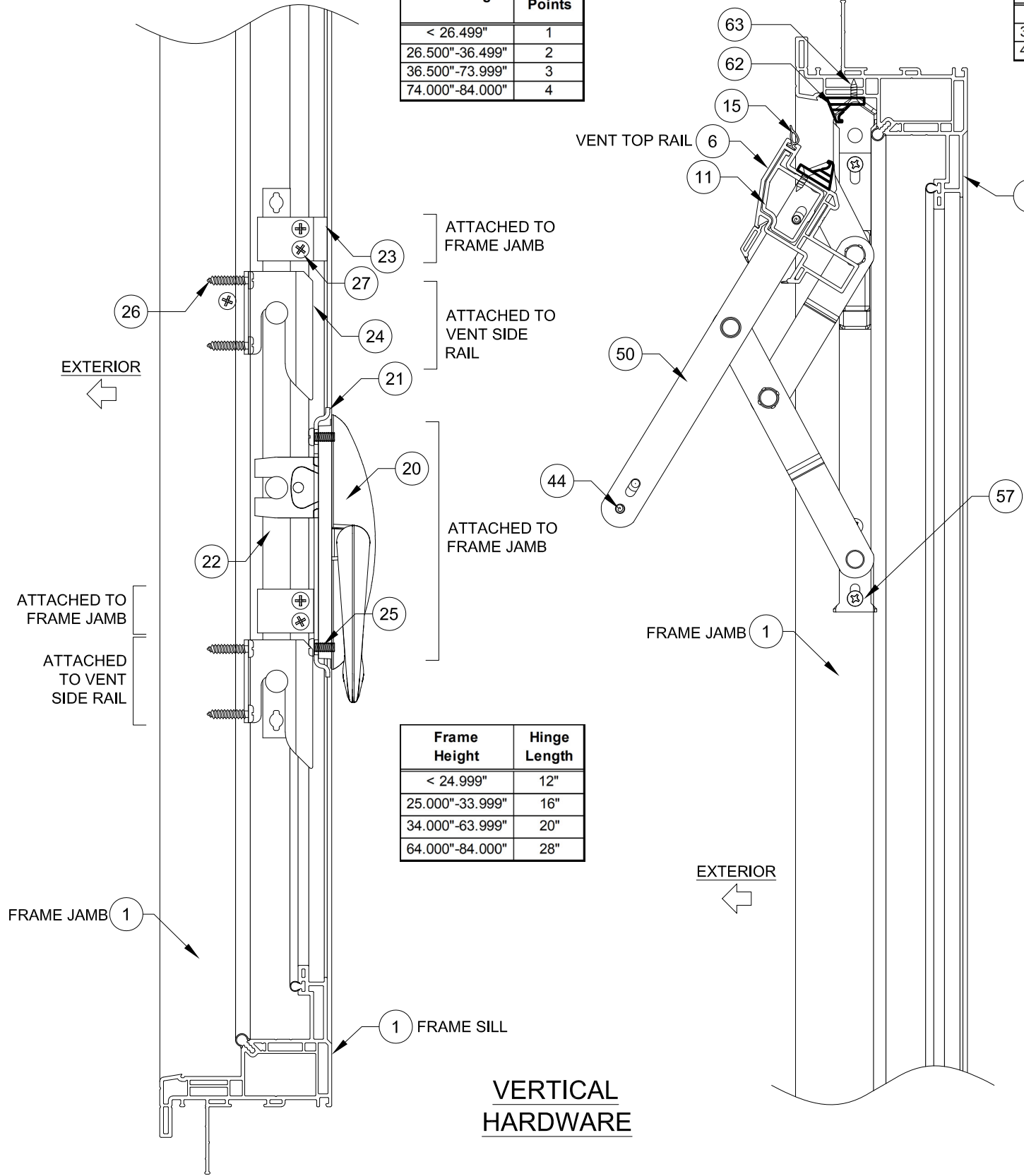
COPYRIGHT © 2023
PGT INDUSTRIES, INC.
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING.



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

Frame Height	Qty. Lock Points
< 26.499"	1
26.500"-36.499"	2
36.500"-73.999"	3
74.000"-84.000"	4

Frame Width	Qty. Snubbers
< 30.000"	2
30.001"-48.000"	3
48.001"-52.125"	4



NOTES:

1) NOT ALL OPTIONS ARE SHOWN.



CERT. OF AUTH. #29296

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Series Rev B	Title		Date	
	VINYL AWNING WINDOW (LMI)		06/03/19	
	Hardware		Drawn By	J ROSOWSKI
	AW-5540		Scale	NTS
Sheet		8 OF 9		DWG No.
		AW5540 LAMI		Rev. No.
		B		

COPYRIGHT © 2023
PGT INDUSTRIES, INC.
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING.

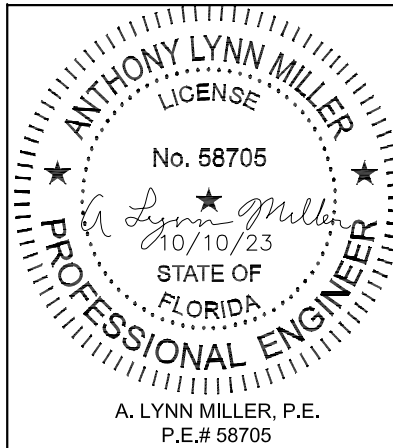
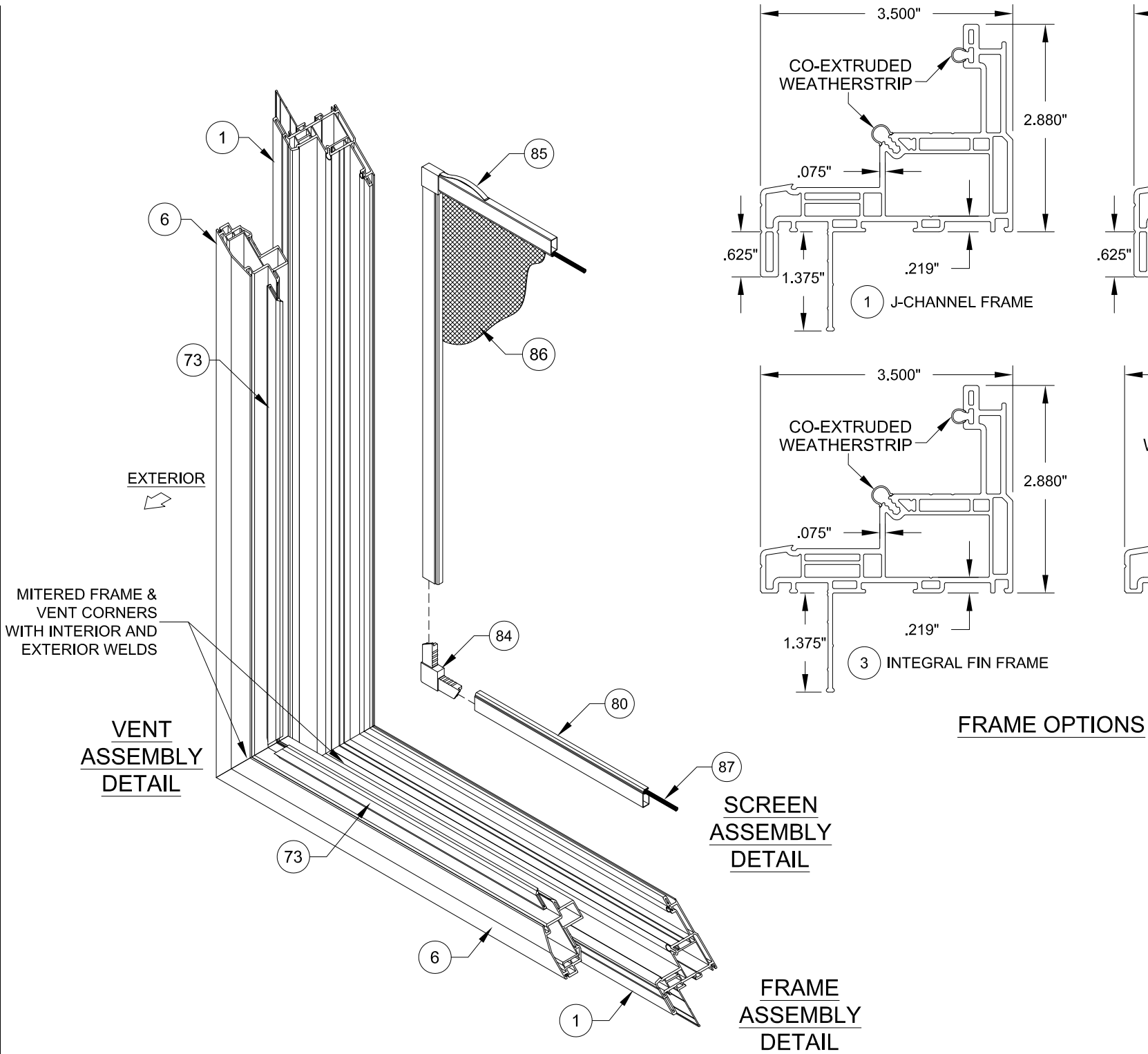


TABLE 5:

#	Part #	Description	Material
1	620125	J-channel Frame	PVC
2	620126	Flange Frame	PVC
3	620127	Integral Fin Frame	PVC
4	620128	Equal Leg/Box Frame	PVC
6	620173	HD Vent Rail	PVC
11	620164	HD Vent Reinforcement (Full Length)	Alum. 6005-T5
15	6TP247	Weatherstrip, 65 +/- 1 duro.	Flex PVC
20	7024	Multi-Point Lock	C Steel
21	7011	Multi-Point Lock Flat Support Plate	C Steel
22	varies with size	Tie Bar	C Steel
23	20222	Tie Bar Guide	C Steel
24	7014	Multi-Lock Keeper	C Steel
25	71024X0562PPFX	#10-24 x 9/16" Phl. PH Machine Screw	SS
26	78X34PPTX410	#8 x 3/4" Phl. PH Tek	SS
27	78X112PSAX	#8 x 1-1/2" Phl. FH Tek	SS
30	20239	Awning Scissor Operator	C Steel
31	20240	Awning Narrow operator	C Steel
32	7MC7034	Awning Scissor Operator Track	SS
33	20257	Awning Narrow Operator Bracket	C Steel
35	7030	Operator Gasket White	Neoprene
36	7031	Operator Backing Plate	C Steel
37	20253	Operator Cover	
39		Standard Handle	C Steel
40	7018	Folding Handle	C Steel
41	7019	T-Handle (Thumbturn)	C Steel
42	78X12PPMSX	#8-32 x 1/2" Phl. PH Machine Screw	SS
43	78S34PFAX	#8 x 3/4" Phl. FH	SS
44	78X1PSDX	#8 x 1" Phl. FH Tek	SS
50	7032HD/16/20/28	Awning 4-Bar Hinge	C Steel
57	710X12PPMSX	#10 x 1/2" Phl. PH Machine Screw	SS
62	720256	HD Snubber	Die-cast Zinc
63	78X12PPSMSX	#8 x 1/2" Phl. PH	SS
64	20187	Anchor Hole Plug	PVC
65	720309	Around the Corner Hardware Package	Steel
72	620332	Lami Glazing Bead	PVC
74		Backbedding, GE 7700 or Dow 791, 983	Silicone
78		Setting Block (1/8" x 1/2" x 4")	EPDM
80	67006	Extruded Screen Frame	
84	47040	Screen Corner Key	
85	7CASPM	Tension Spring	
86	61816C34	Screen Cloth	
87	61635/24	.140" Screen Spline (Machine/Hand Rolled)	
90	620160A	Frame Assembly Tube	Alum. 6005-T5
91	620177	Shallow, Flush Cap	PVC
92	620178	Deep, Flush Cap	PVC
93	620132	Frame Assembly Tube End Cap	PVC

NOTES:
1) SOME PARTS NOT SHOWN ON DRAWING FOR CLARITY.
2) J-CHANNEL FRAME SHOWN, PART #1. OTHER FRAME TYPES, PARTS #2 - 4, APPLY.
3) ITEMS # 5, 7-10, 12-14, 16-19, 28, 29, 34, 38, 45-49, 51-56, 58-61, 66-71, 73, 75-77, 79, 81-83, 88, 89 & 94-99 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.
4) ENERGI PVC TO BE LABELED FOR AAMA EXTRUDER CODE.



PGT
CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Series	Rev	Desc.	Title	Date	06/03/19
			VINYL AWNING WINDOW (LMI)		
			BOM & ASSEMBLY	Drawn By	J ROSOWSKI
AW-5540	Scale	NTS	Sheet	9 OF 9	DWG No. AW5540 LAMI
					Rev. No. B

COPYRIGHT © 2023
PGT INDUSTRIES, INC.
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING.

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/10/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705