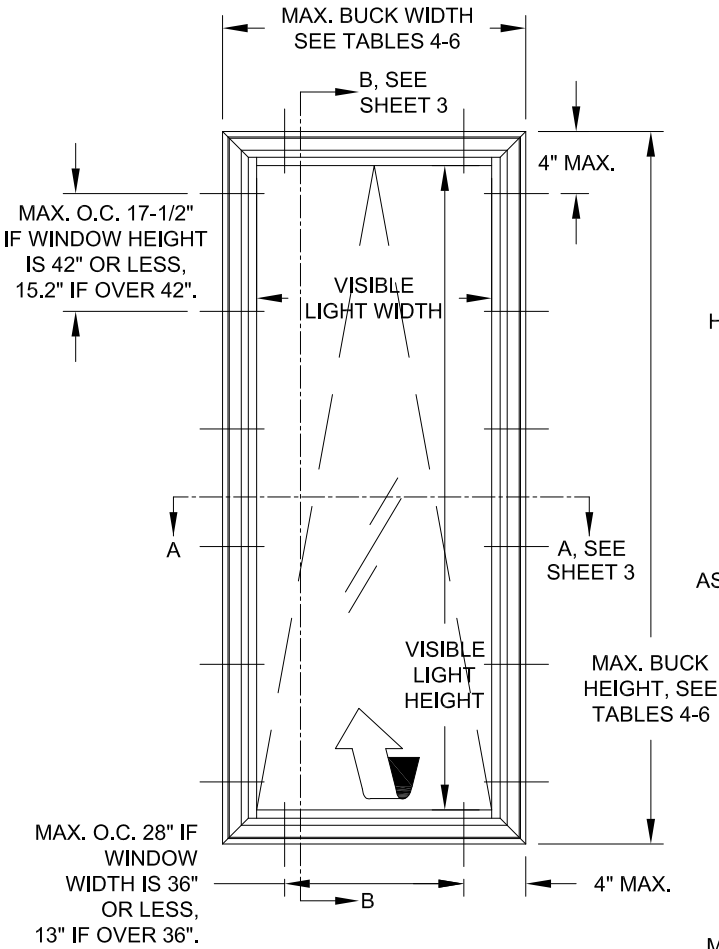


GENERAL NOTES: SERIES AW5540
IMPACT RESISTANT,
VINYL AWNING WINDOW,
WITH DIAMOND GLASS

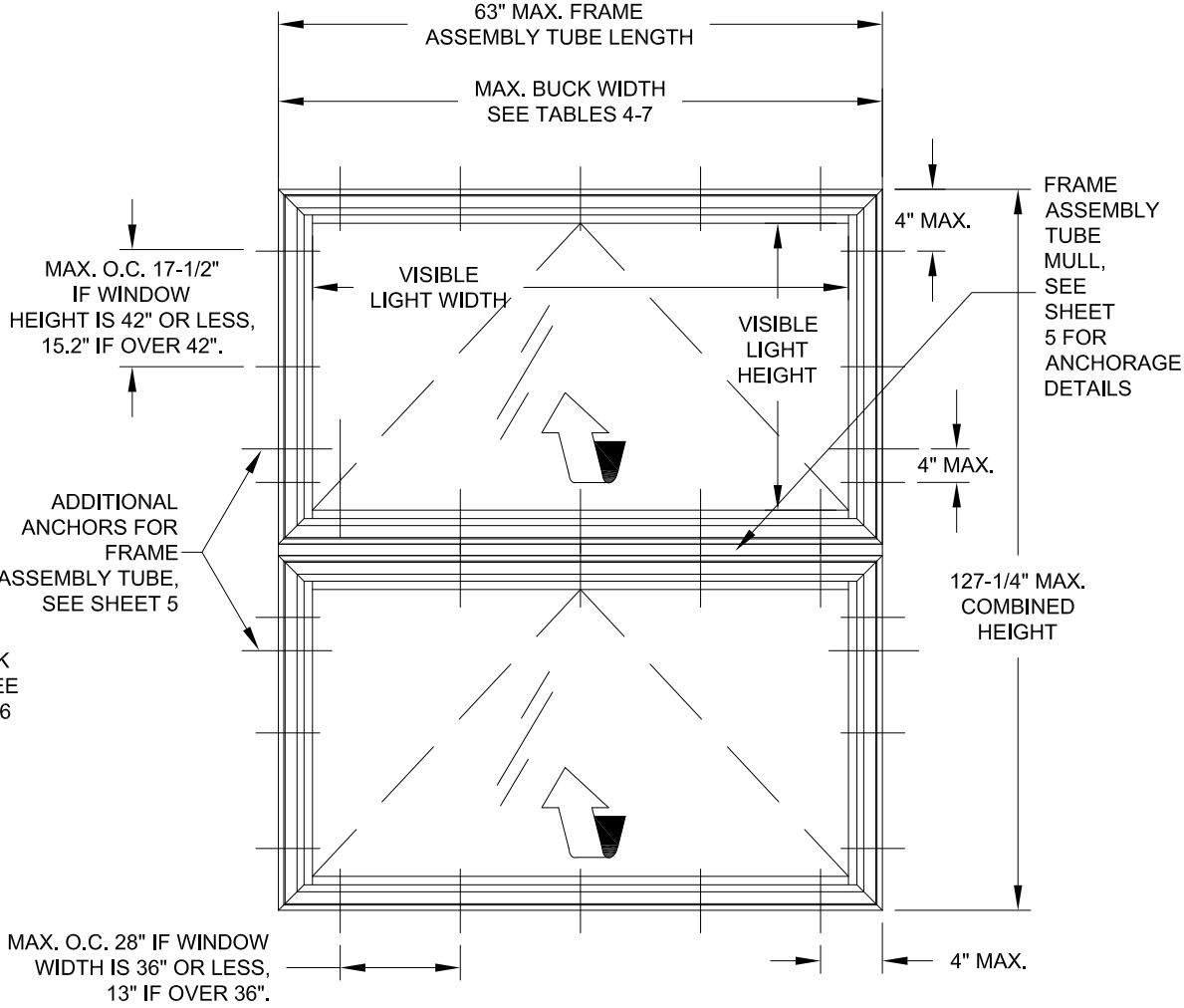
FLORIDA PRODUCT APPROVAL #29701

IMPACT RATING	DESIGN PRESSURE RATING
LARGE & SMALL MISSILE IMPACT RESISTANT	VARIES PER OPTIONS, SEE TABLES 4-6, SHEETS 7 & 8

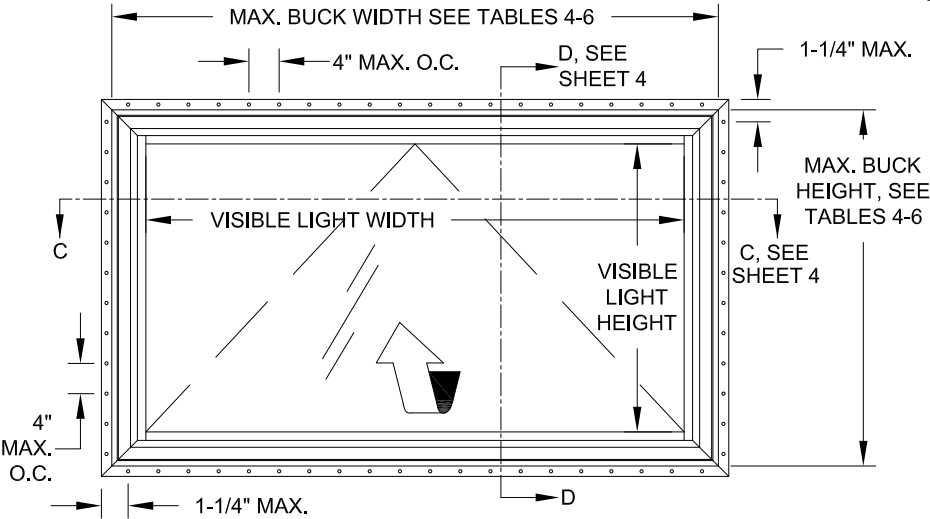
- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS. FOR INSULATED GLASS INSTALLATIONS ABOVE 30' IN THE HVHZ, THE OUTBOARD LITE (CAP) MUST TEMPERED.
- 3) 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. 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.
- 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. 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 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.
- 7) FRAME FLANGES OR INTEGRAL FINIS 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



TYP. INTEGRAL FIN & J-CHANNEL
FRAME ANCHORAGE

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

GENERAL NOTES.....	1
ELEVATIONS.....	1
FRAME, GLASS & ANCHOR OPTIONS.....	2
INSTALLATION, FLANGE & EQUAL LEG.....	3
INSTALLATION, INTEGRAL FIN & J-CHANNEL.....	4
FRAME ASSEMBLY TUBE.....	5, 6
GLAZING DETAILS / DP TABLE 4 & 5.....	7
GLAZING DETAILS / DP TABLE 6.& 7.....	8
BOM & ASSEMBLY.....	9, 10

PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600			REGISTRATION #29296	
		COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.				
Date		01/29/25				
Title		VINYL AWNING WINDOW (LM)				
Desc.		GENERAL NOTES & ELEVATION		By Logan Yoder		
Series		AW5540		DWG No. 1 OF 10		
		Sheet		AW5540-DG-LM		

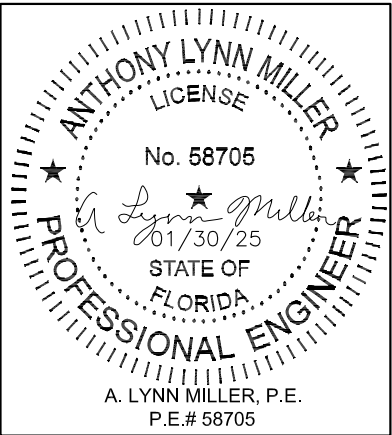


TABLE 1:

Glass Type	Description	Table #	Sheet #
1	7/8" Laminated I.G.: 1/8" A Exterior Cap + 1/2" Air Space + 1/8" A Glass + .090" PVB Interlayer + 0.7mm ATG	4	7
2	7/8" Laminated I.G.: 1/8" T Exterior Cap + 1/2" Air Space + 1/8" A Glass + .090" PVB Interlayer + 0.7mm ATG	4	7
3	7/8" Laminated I.G.: 3/16" A Exterior Cap + 3/8" Air Space + 3/16" A Glass + .090" PVB Interlayer + 0.7mm ATG	5	8
4	7/8" Laminated I.G.: 3/16" T Exterior Cap + 3/8" Air Space + 3/16" A Glass + .090" PVB Interlayer + 0.7mm ATG	5	8
5	7/8" Laminated I.G.: 1/8" H Exterior Cap + 1/2" Air Space + 1/8" H Glass + .090" PVB Interlayer + 0.7mm ATG	5	8
6	7/8" Laminated I.G.: 1/8" T Exterior Cap + 1/2" Air Space + 1/8" H Glass + .090" PVB Interlayer + 0.7mm ATG	5	8
7	7/8" Laminated I.G.: 1/8" T Exterior Cap + 1/2" Air Space + 1/8" T Glass + .090" SG Interlayer + 0.7mm ATG	6	8

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

GLASS TYPE 7 MAY NOT BE USED WITH J-CHANNEL OR INTEGRAL FIN FRAMES.

GLASS TYPES 1, 3 & 5 MAY NOT BE USED IN THE HVHZ ABOVE 30'.

TABLE 2: ANCHORS INSTALLED THROUGH FRAME

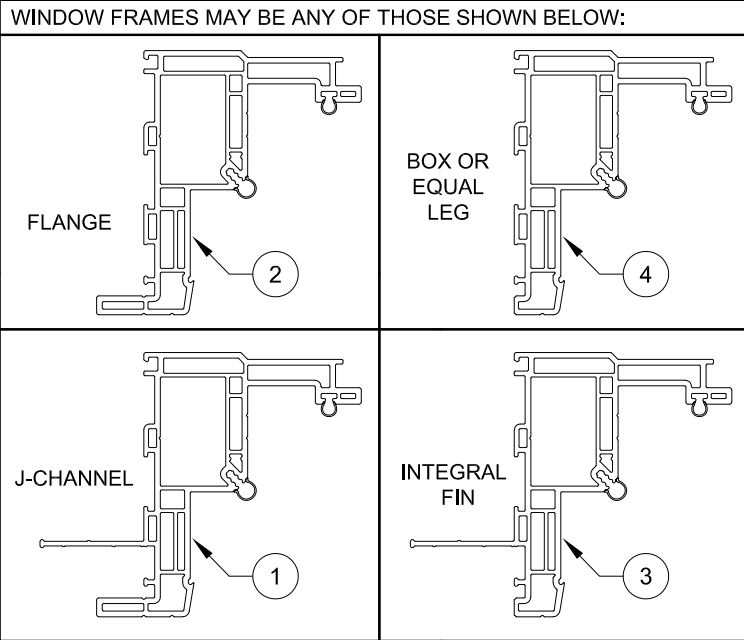
Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
A	#10 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
		Steel, A36*	3/8"	0.050"
		Steel Stud, A653 Gr. 33*	3/8"	0.0451" (18 Ga.)
		Aluminum, 6063-T5*	3/8"	0.050"
	3/16" steel Ultracon+	P.T. Southern Pine (SG=0.55)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

NOTE: ALL ANCHOR HEAD TYPES ARE ACCEPTABLE.

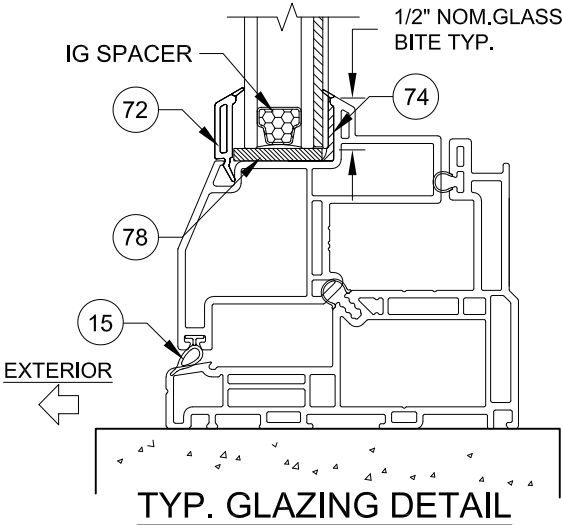
TABLE 3: ANCHORS INSTALLED THROUGH INTEGRAL FIN

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
E	2-1/2" x .131" Common Nail	P.T. Southern Pine (SG=.55)	3/8"	2-7/16"
	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 Pan or Flat Head 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"

- 1) MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.
2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.



NOTE: SEE DETAILS AND DIMENSIONS ON SHEET 10



PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296
COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE
TO MAKE COPIES FOR PERMITTING.

PGT
Custom Windows and Doors
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

VINYL AWNING WINDOW (LM)
GLASS/ANCHOR/FIN OPTS.

01/29/25
LOGAN YODER

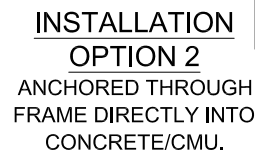
2 OF 10
AW5540

AW5540-DG-LM

ANTHONY LYNN MILLER
LICENSE
No. 58705
01/30/25
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

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

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



SEE SHEET 9 FOR ALL
HARDWARE DESCRIPTIONS

80

86

6

15

11

HD REINF.

VISIBLE LIGHT WID

BUCK WIDTH

1/4" MAX. SHIM

EMBEDMENT

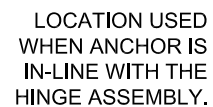
EDGE DISTANCE

TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE 2, SHEET 2. (SHOWN IN LOCATION USED WHEN ANCHOR IS IN-LINE WITH THE HINGE ASSEMBLY).

EXTERIOR

EQUAL-LEG/BOX FRAME

3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.



ANCHORED THROUGH
FRAME INTO METAL

ANCHORED THROUGH
FRAME INTO METAL

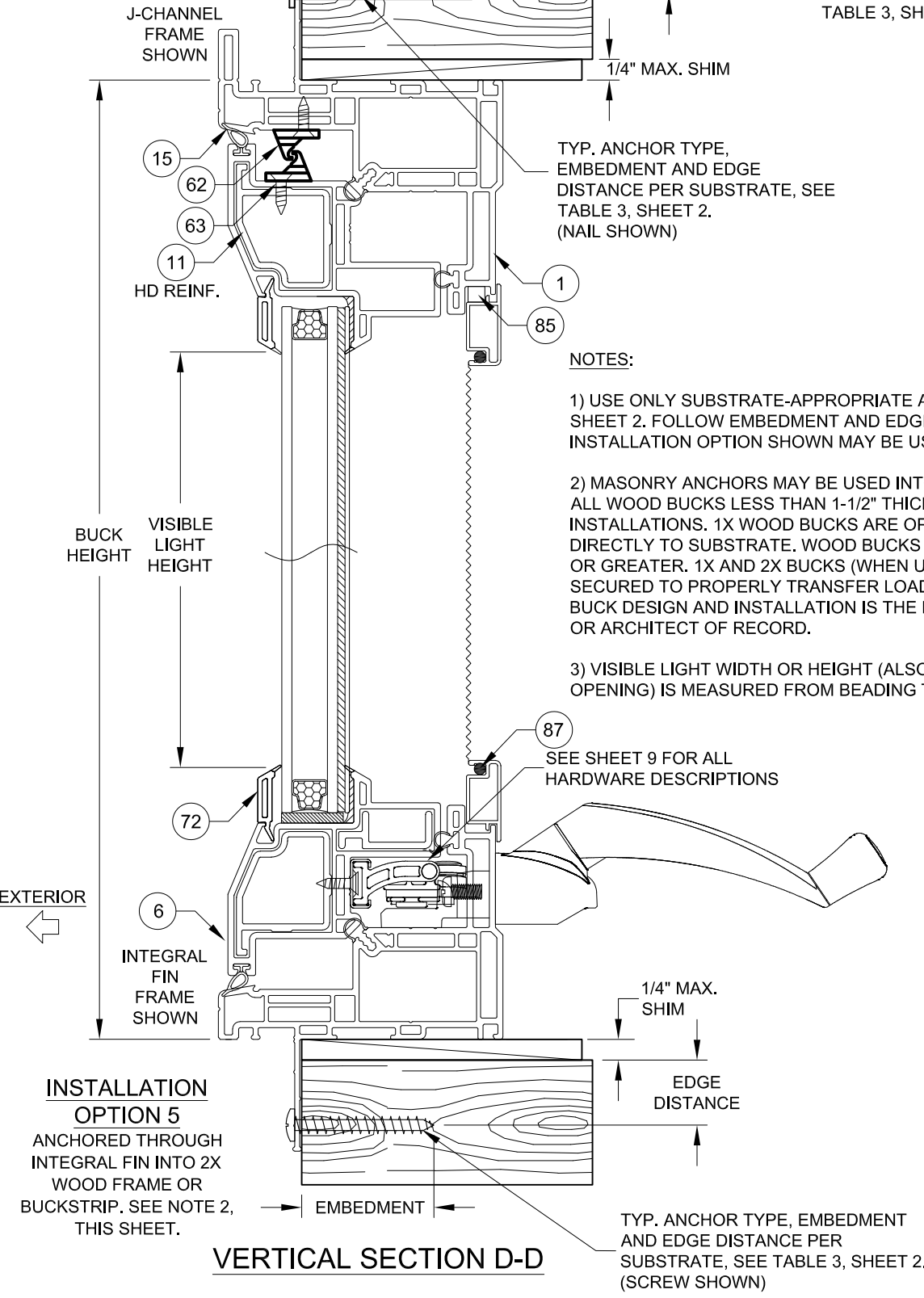
ANTHONY LYNN MILLER
LICENSE
No. 58705
A Lynn Miller
01/30/25
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

INSTALLATION DETAILS FOR INTEGRAL FIN & J-CCHANNEL FRAMES

INSTALLATION OPTION 5

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



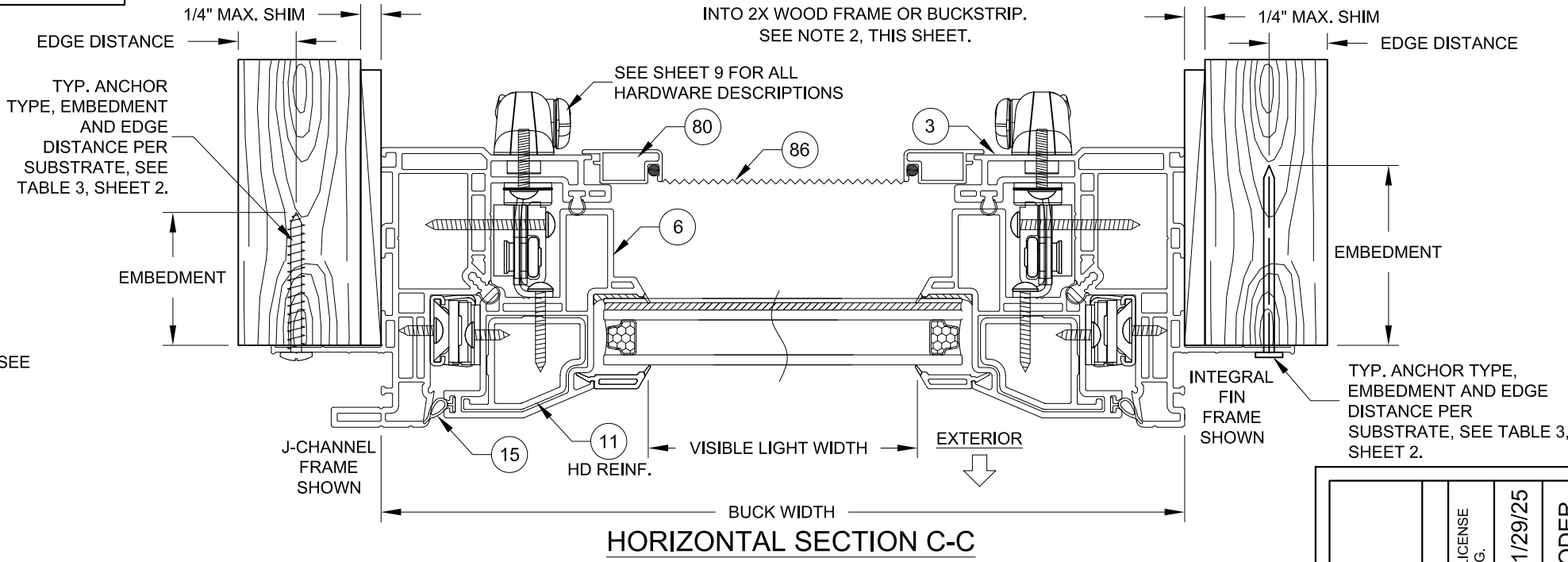
NOTES:

- 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.

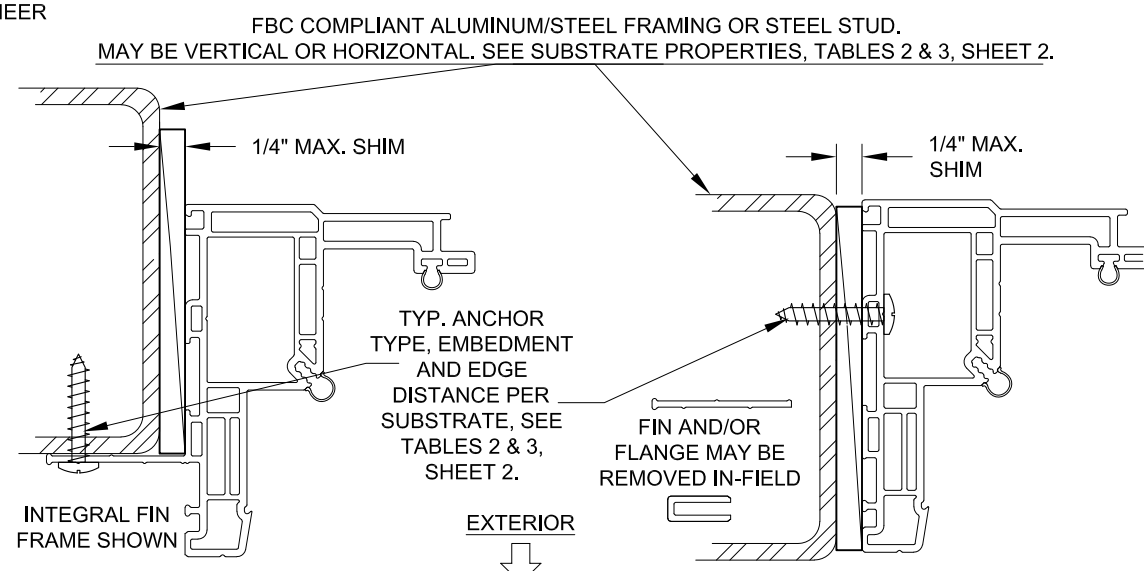
VERTICAL SECTION D-D

INSTALLATION OPTION 5

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



HORIZONTAL SECTION C-C



INSTALLATION OPTION 7
ANCHORED THROUGH FRAME INTO METAL

INSTALLATION OPTION 6
ANCHORED THROUGH INTEGRAL FIN INTO METAL

INSTALLATION OPTION 4 (FLANGE FRAME), ALLOWED WITH MULLION INSTALLATION, SEE PAGE 3 FOR DETAILS

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		01/29/25 Date		LOGAN YODER By		AW5540-DG-LM	
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		VINYL AWNING WINDOW (LM)		J-CCHANNEL & FIN FRAMES		4 OF 10		AW5540	
Title		Desc.		Sheet		DWG		Rev.	

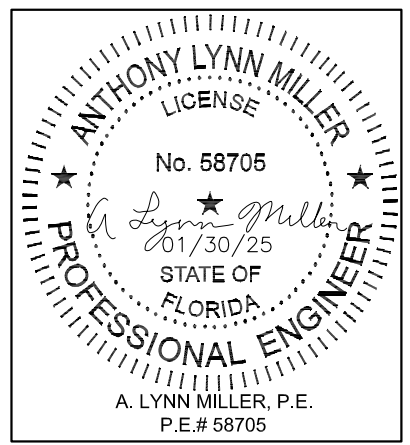


ILLUSTRATION OF AWNING-TO-AWNING (XX)
(EQUAL LEG/BOX FRAME WITH IDENTICAL PRODUCTS COMBINED)

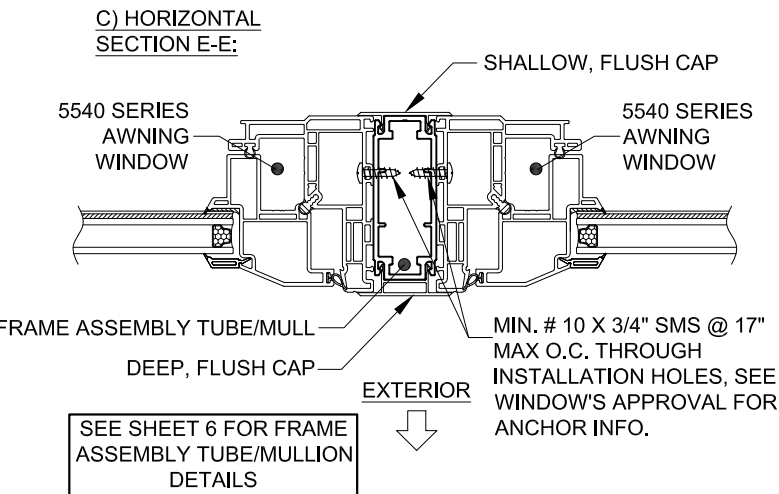
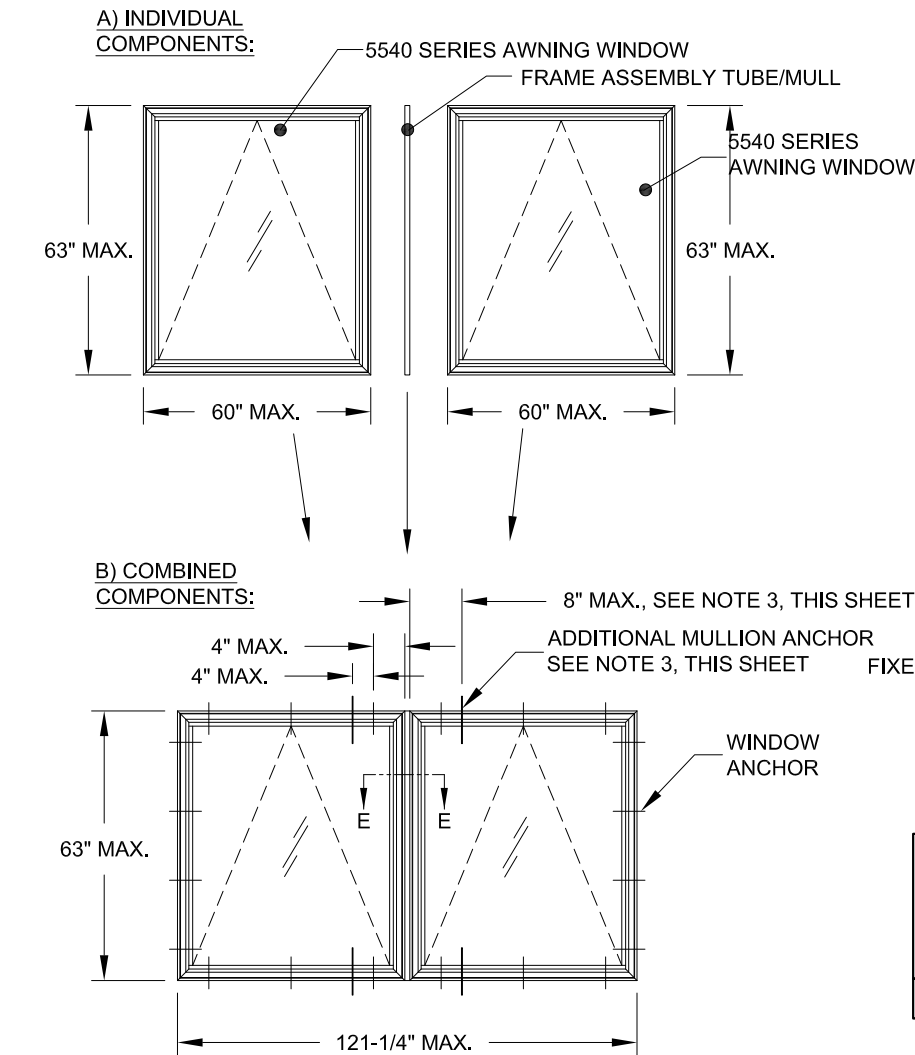
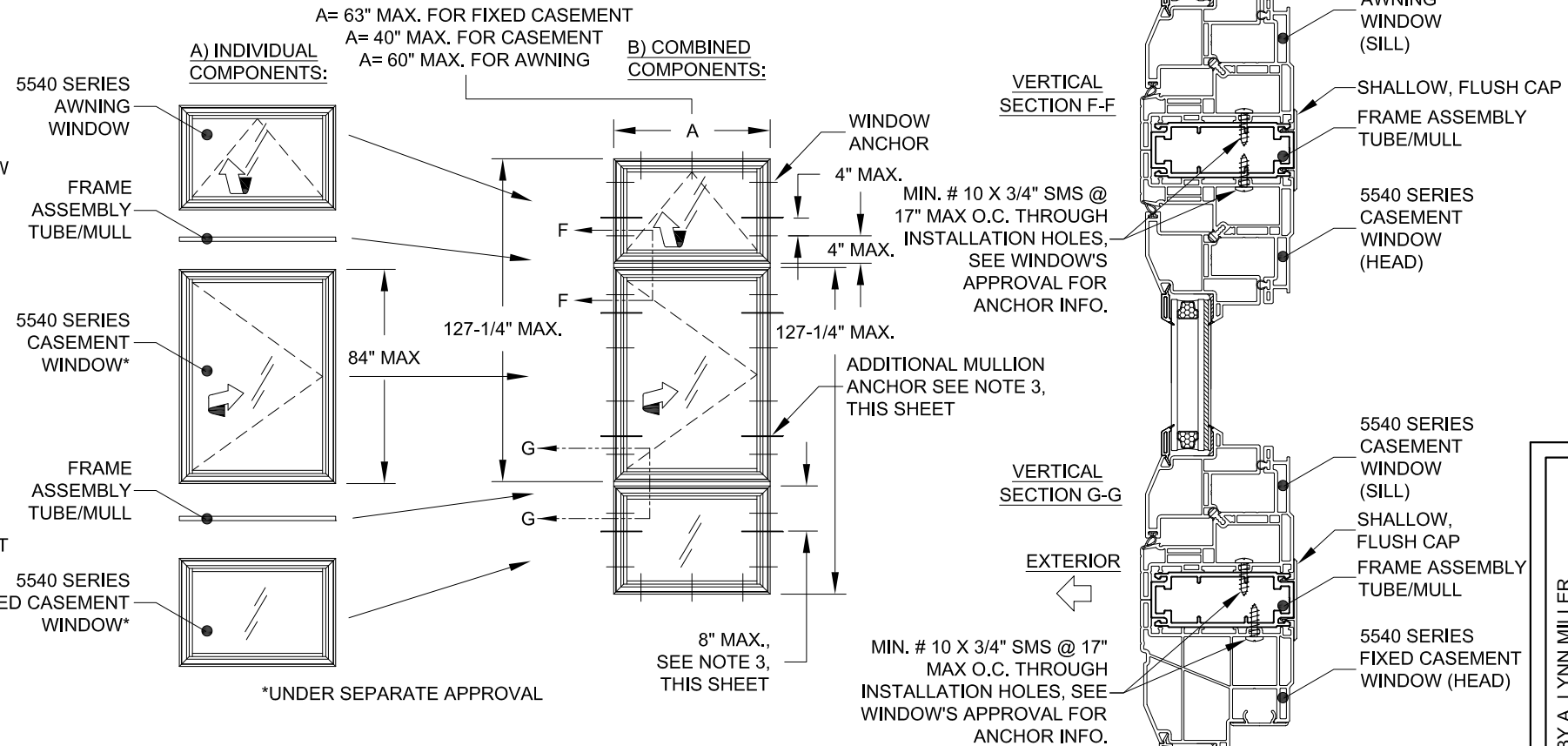


ILLUSTRATION OF AWNING-TO-CASEMENT-TO-FIXED CASEMENT (X/X/O)
(FLANGE FRAME WITH DIFFERENT 5540 SERIES PRODUCTS COMBINED)



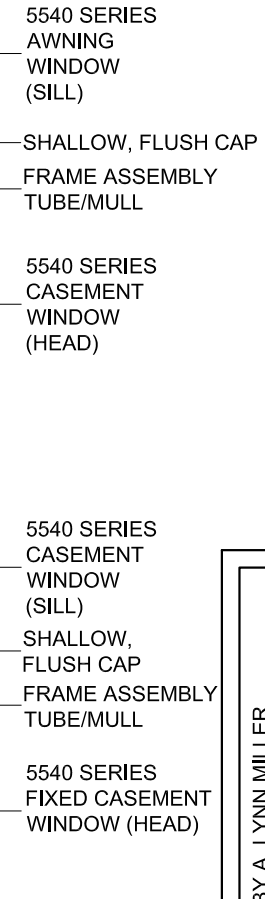
FRAME ASSEMBLY TUBE/MULL NOTES, ALSO SEE NEXT SHEET:

- 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 DESIGNED 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.

VERTICAL SECTION F-F

VERTICAL SECTION G-G

EXTERIOR



PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		01/29/25		LOGAN YODER		AW5540-DG-LM	
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		VINYL AWNING WINDOW (LM)		Drawn By		DWG No.		5 OF 10	
FRAME ASSY. TUBE DETAILS A		Sheet		AW5540		Series		Title	

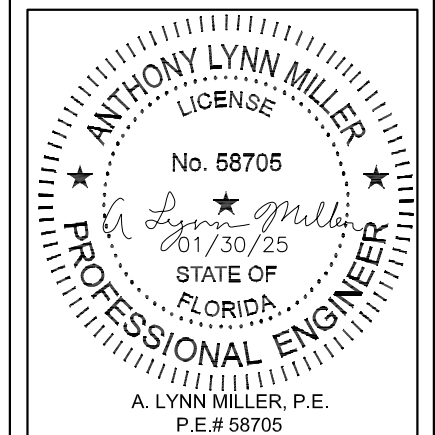
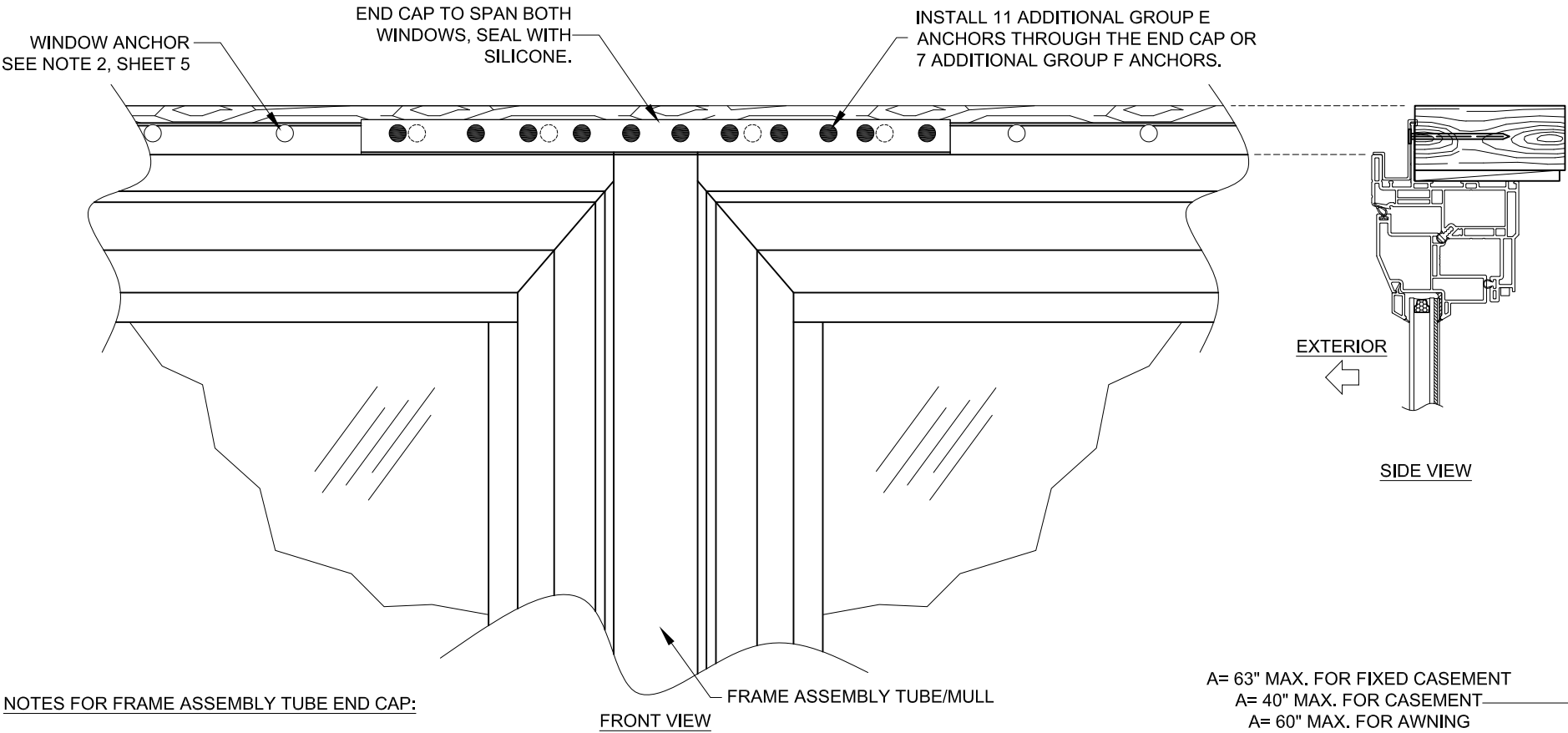
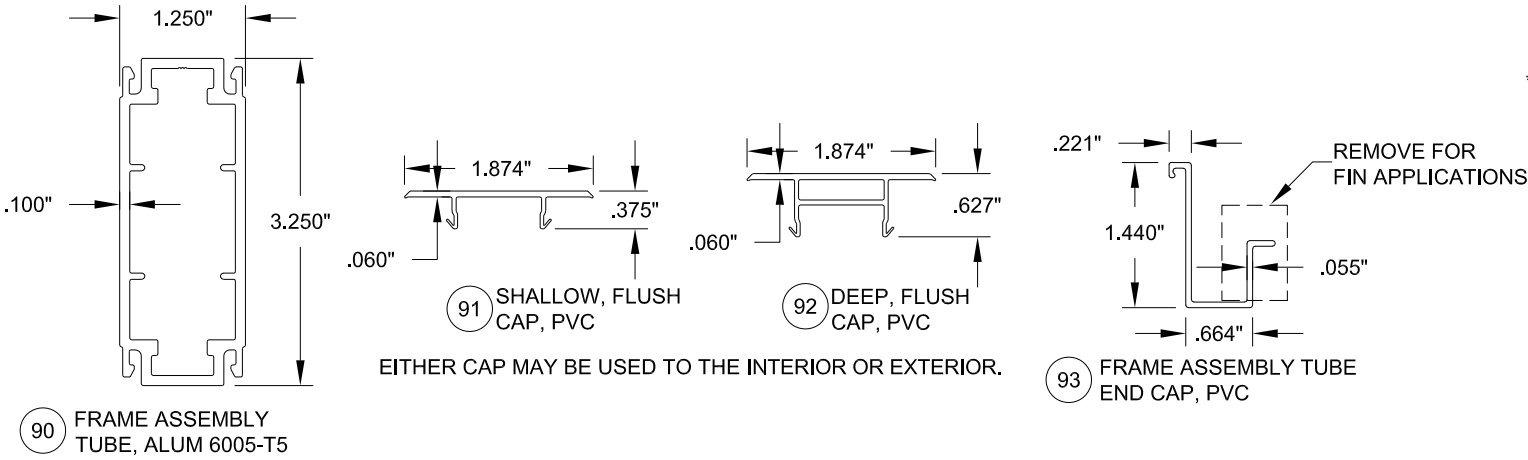


ILLUSTRATION OF END CAP USE WITH FIN AND J-CHANNEL FRAMES

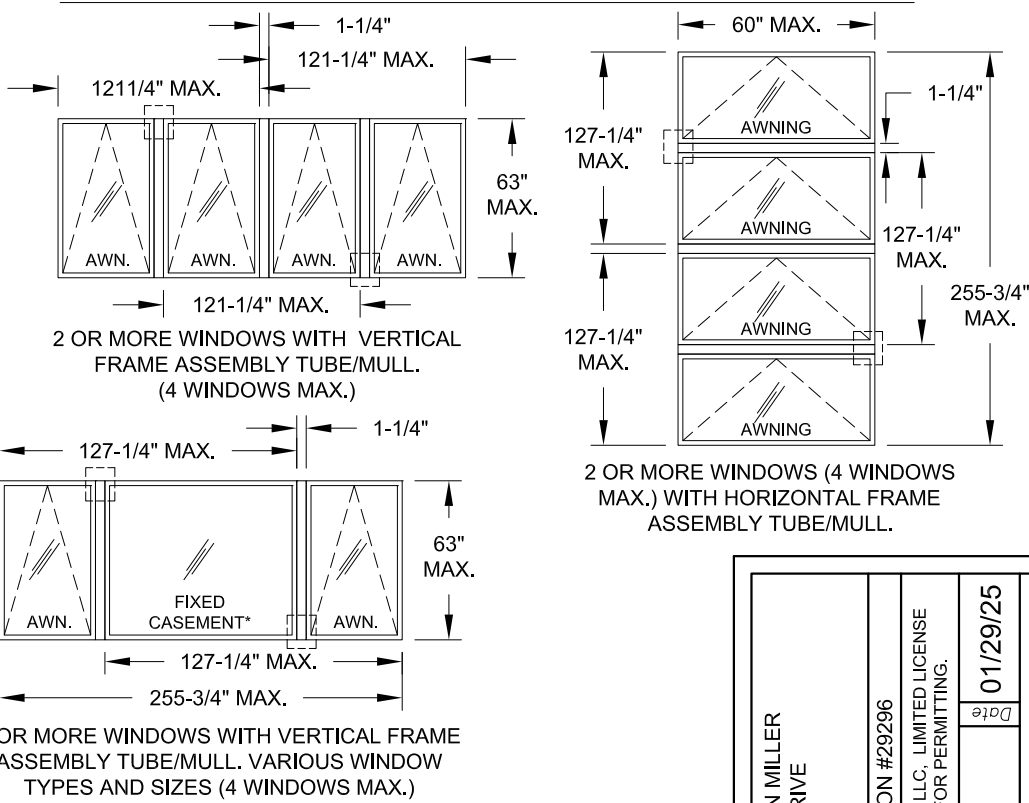


NOTES FOR FRAME ASSEMBLY TUBE END CAP:

- 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".



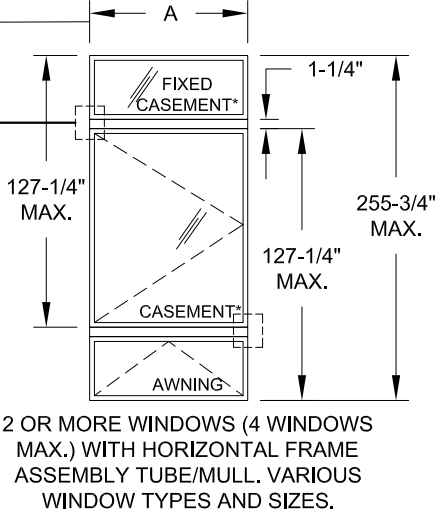
EXAMPLE CONFIGURATIONS WHEN USING THE FRAME ASSEMBLY TUBE/MULL. FOR
TEES, CROSSES OR ASSEMBLIES WITH MORE THAN 4 UNITS USE CLIPPED, TUBE
MULLION UNDER SEPARATE APPROVAL.



A= 63" MAX. FOR FIXED CASEMENT
A= 40" MAX. FOR CASEMENT
A= 60" MAX. FOR AWNING

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

*UNDER SEPARATE APPROVAL



PGT Custom Windows and Doors		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296	
		3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	
Title		VINYL AWNING WINDOW (LM)		Date	01/29/25
Desc.		FRAME ASSY. TUBE DETAILS B		By	LOGAN YODER
Series		AW5540		DWG No.	AW5540-DG-LM
Sheet		6 OF 10			

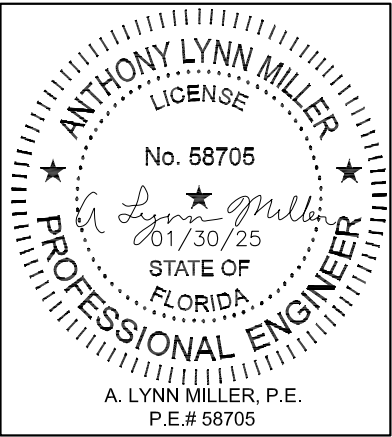


TABLE 4:

Window Design Pressure (+/-, psf)													Glass Types:		1 & 2
Window Dimensions		Buck Width (in)													
		28	30	32	34	36	38	40	42	44	48	50	52.125	54	60
Buck Height (in)	42	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
	43.776	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	
	45.6	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	
	47.583	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
	49.745	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50			
	52.114	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
	54.72	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50					
	57.6	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50						
	60.8	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		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		
	64.376	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50								
	68.4	+/-50	+/-50	+/-50	+/-50	+/-50				APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)			APPLIES TO E ANCHORS (SEE TABLE 3)		
	72.96	+/-50	+/-47.2	+/-46.7	+/-47.3										
	78.171	+/-47	+/-43.7	+/-42.5						SEE ELEVATION ON SHEET 1			4" FOR E ANCHORS		
	84	+/-44.7	+/-40.4												

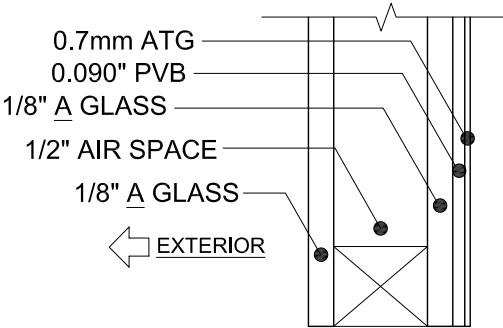
NOTES:

1) BUCK DIMENSIONS SHOWN.

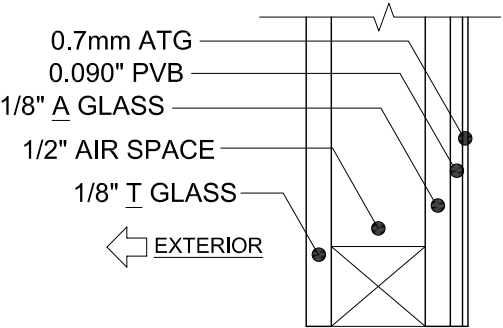
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

!

GLASS TYPE 1 MAY NOT BE USED IN THE HVHZ ABOVE 30'.



GLASS TYPE 1
(7/8" NOM. GLASS STACK)



GLASS TYPE 2
(7/8" NOM. GLASS STACK)

PGT

Custom Windows and Doors

3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296
COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE
TO MAKE COPIES FOR PERMITTING.

VINYL AWNING WINDOW (LM)

DESIGN PRESSURE A

AW5540

01/29/25

LOGAN YODER

7 OF 10

AW5540-DG-LM

ANTHONY LYNN MILLER
LICENSE
No. 58705
01/30/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 5:

Window Design Pressure (+/-, psf)												Glass Types:		3, 4, 5 & 6	
Window Dimensions		Buck Width (in)													
		28	30	32	34	36	38	40	42	44	48	50	52.125	54	60
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	+/-50	+/-50
	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	+/-50	+/-50
	45.6	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+/-50	+/-50	+/-50
	47.583	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+/-50	+/-50	+/-50	
	49.745	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+/-50	+/-50		
	52.114	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+/-50	+/-50			
	54.72	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+64.2/-69.2	+/-50	+/-50				
	57.6	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+64/-68.9	+/-50	+/-50					
	60.8	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+64.3/-69.3	+/-50	+/-50		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		
	64.376	+65/-70	+65/-70	+65/-70	+65/-70	+65/-70	+/-50	+/-50							
	68.4	+65/-70	+65/-70	+65/-70	+65/-70	+/-50	+/-50				APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)		APPLIES TO E ANCHORS (SEE TABLE 3)		
	72.96	+65/-70	+65/-70	+65/-70	+/-50	+/-50									
	78.171	+65/-70	+65/-66.4	+65/-66.4	+/-50						SEE ELEVATION ON SHEET 1		4" FOR E ANCHORS		
	84	+65/-70	+/-63.1												

NOTES:

1) BUCK DIMENSIONS SHOWN.

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

GLASS TYPES 3 & 5 MAY NOT BE USED IN THE HVHZ ABOVE 30'.

TABLE 6:

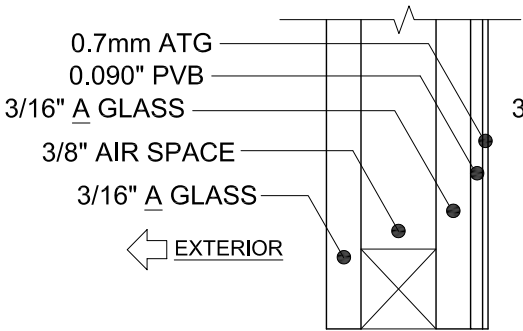
Window Design Pressure (+/-, psf)										Glass Type:	7
Window Dimensions		Buck Width (in)									
		28	30	32	34	36	38	40	42	44	47
Buck Height (in)	42	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110
	64.34	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110
	68.727	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	
	72	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110		
	75.6	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110			
	79.578	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110				
	84	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110					

MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4

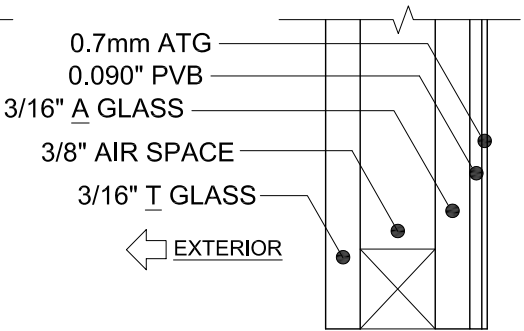
APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)

SEE ELEVATION ON SHEET 1

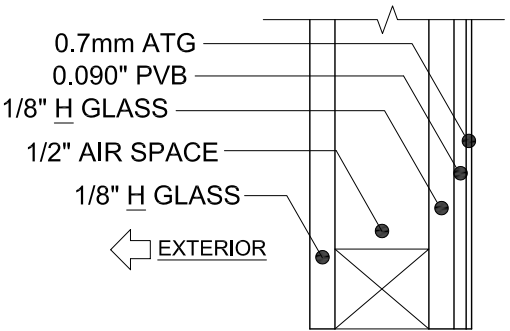
GLASS TYPE 7 MAY NOT BE USED WITH J-CHANNEL OR INTEGRAL FIN FRAMES



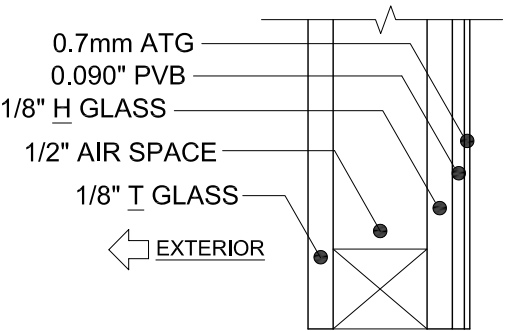
GLASS TYPE 3
(7/8" NOM. GLASS STACK)



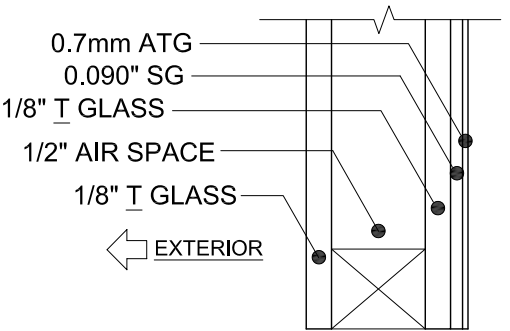
GLASS TYPE 4
(7/8" NOM. GLASS STACK)



GLASS TYPE 5
(7/8" NOM. GLASS STACK)



GLASS TYPE 6
(7/8" NOM. GLASS STACK)



GLASS TYPE 7
(7/8" NOM. GLASS STACK)

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296
COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE
TO MAKE COPIES FOR PERMITTING.

PGT
Custom Windows and Doors
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

VINYL AWNING WINDOW (LM)
01/29/25
LOGAN YODER
DESIGN PRESSURE B

AW5540

8 OF 10

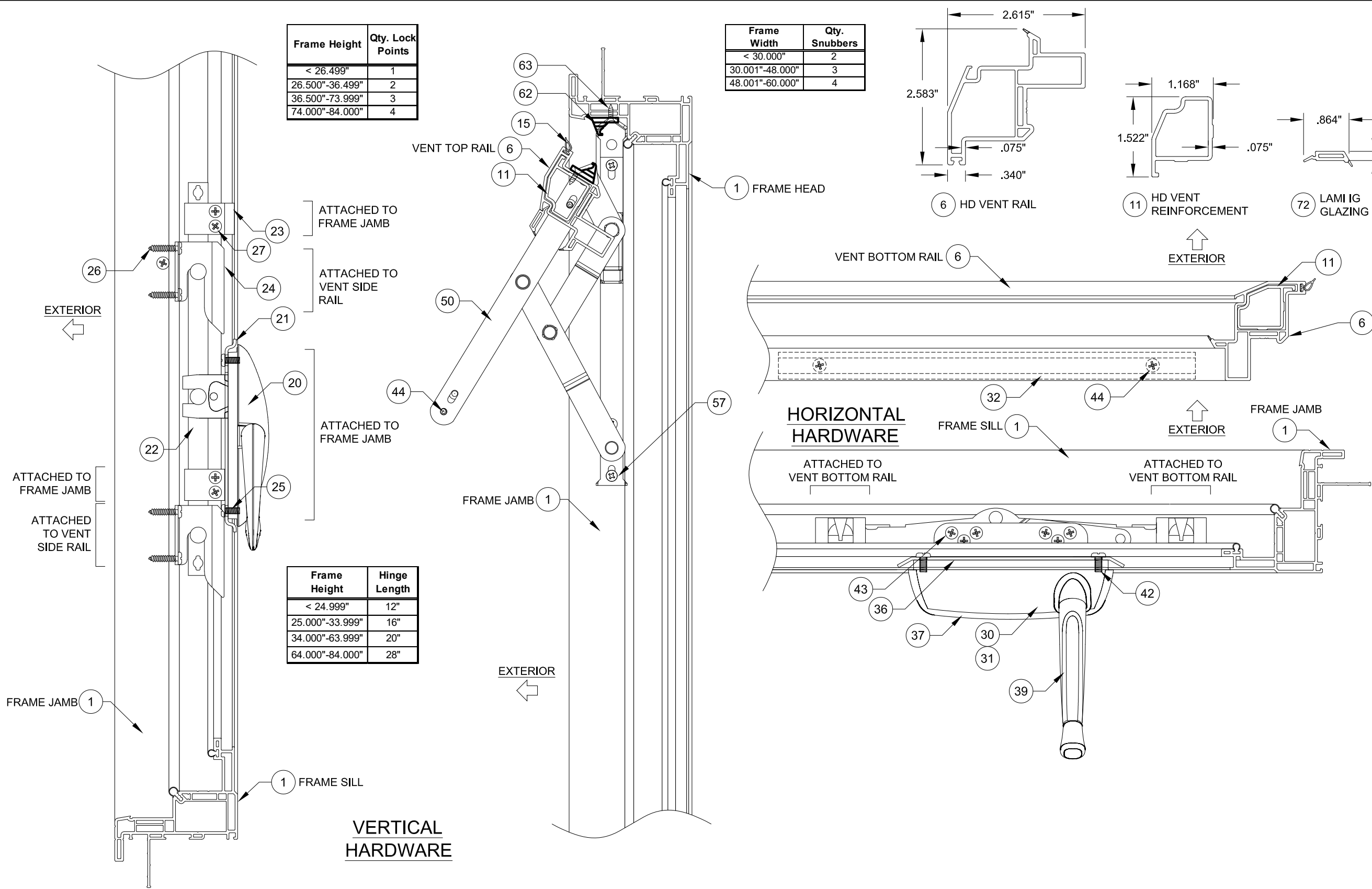
AW5540-DG-LM

ANTHONY LYNN MILLER
LICENSE
No. 58705
01/30/25
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
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"-60.000"	4

Frame Height	Hinge Length
< 24.999"	12"
25.000"-33.999"	16"
34.000"-63.999"	20"
64.000"-84.000"	28"



NOTES:
1) NOT ALL OPTIONS ARE SHOWN.

PGT

Custom Windows and Doors

3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296
COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE
TO MAKE COPIES FOR PERMITTING.

VINYL AWNING WINDOW (LM)

01/29/25

LOGAN YODER

By

Drawn

AW5540

9 OF 10

DWG

No.

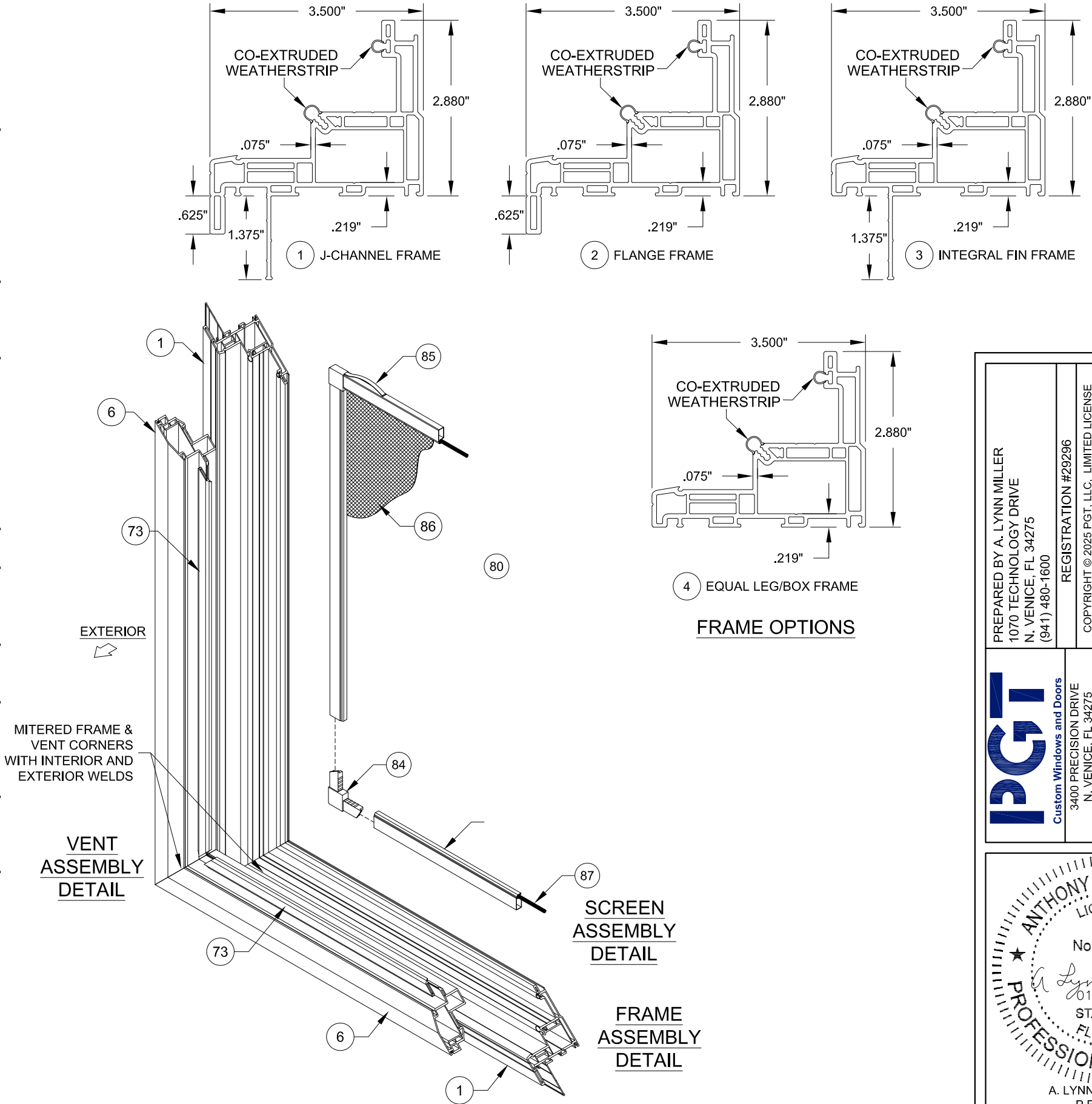
AW5540-DG-LM

ANTHONY LYNN MILLER
LICENSE
No. 58705
01/30/25
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

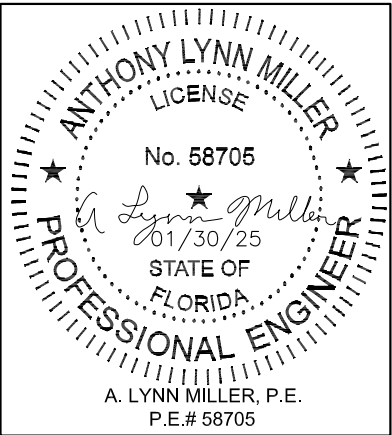
TABLE 7:

#	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	720135	Lami IG Glazing Bead	PVC
74		Backbedding, GE 7700 or Dow 791 or Dow 983	Silicone
78	71646N	Setting Block (7/8" x 1" x 1/8"), 85 +/- 5 duro.	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.



PGI Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		01/29/25 Date		LOGAN YODER By		AW5540-DG-LM	
	VINYL AWNING WINDOW (LM)		BOM & ASSEMBLY B		10 OF 10		Sheet		AW5540	
	Series		Desc.		Title		DWG		No.	



Rev. #	Date	Rev.
--------	------	------