

SERIES AW5540 WITH TRITON GLASS
IMPACT RESISTANT VINYL AWNING WINDOW

FLORIDA PRODUCT APPROVAL #2329

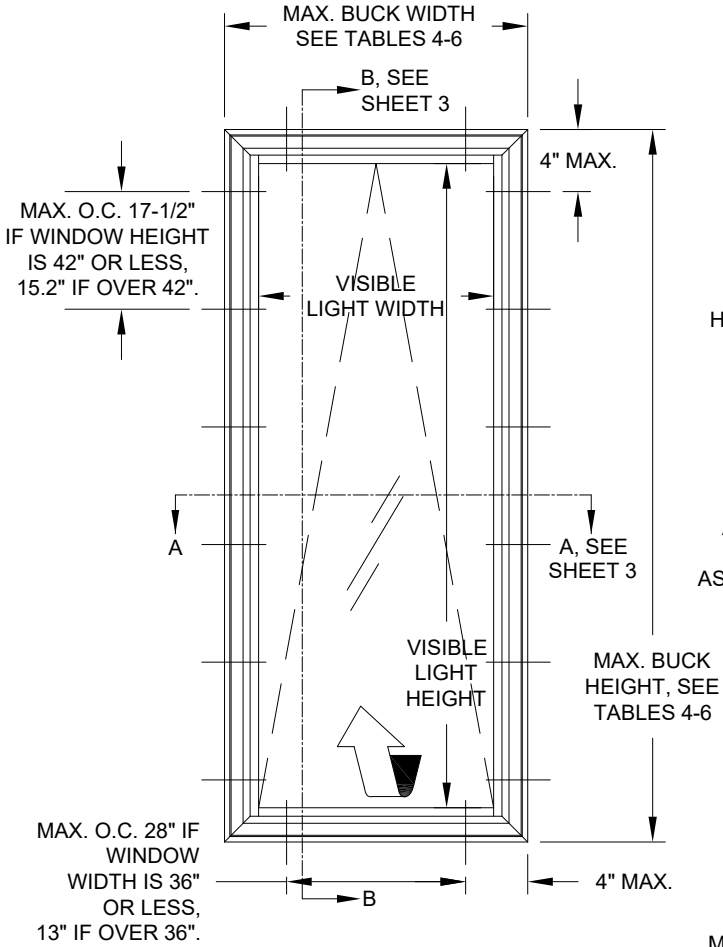
- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 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 TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL 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) FRAME FLANGES OR INTEGRAL FINNS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.

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.

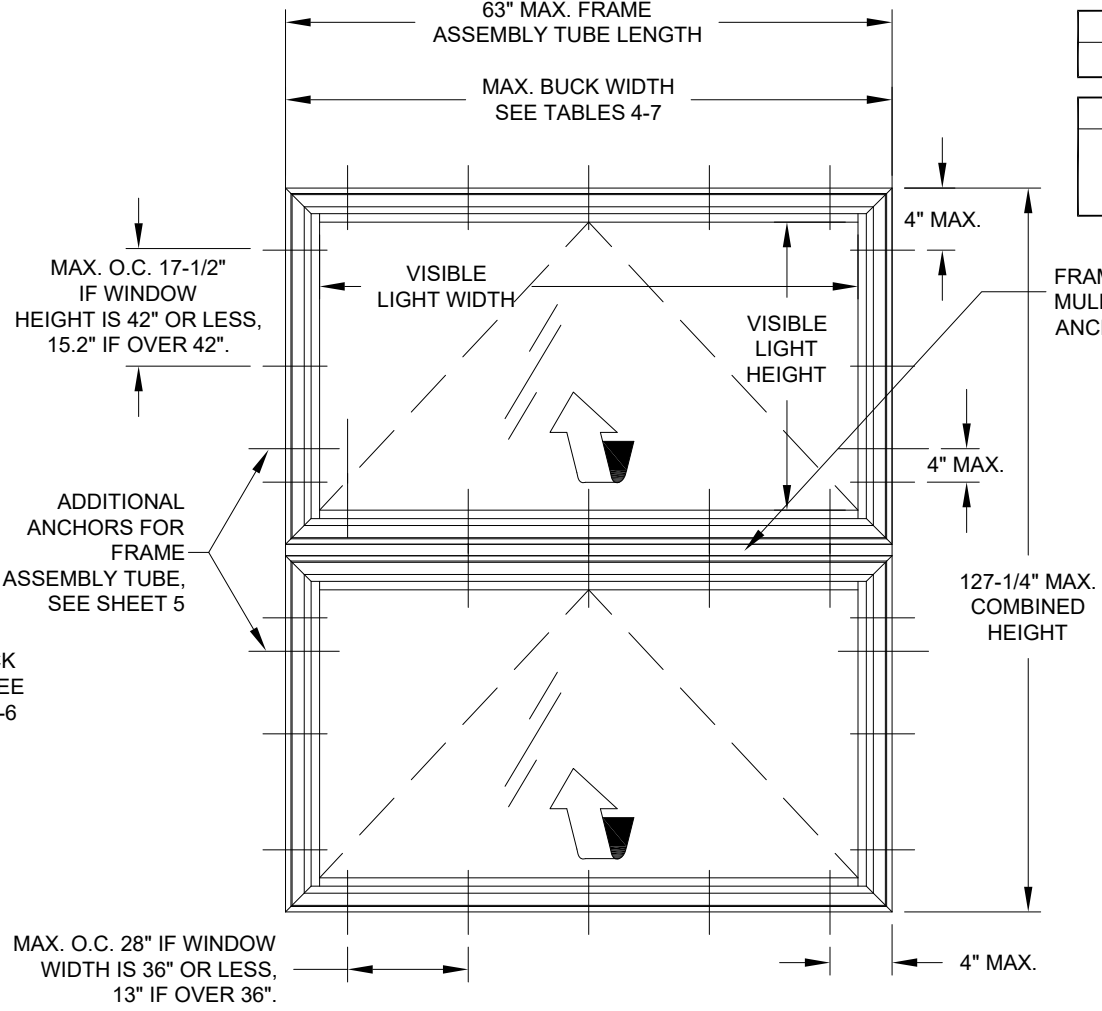
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VISIBLE LIGHT FORMULAS

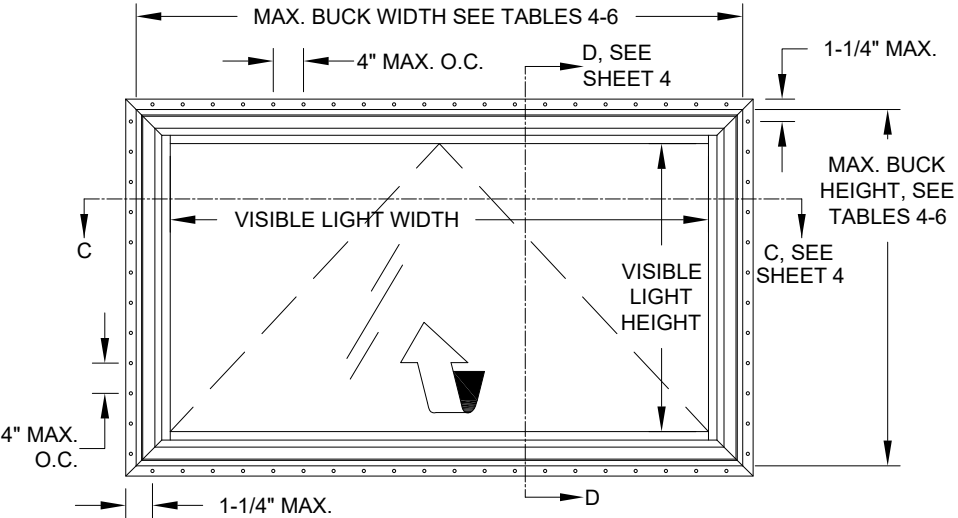
WIDTH: BUCK WIDTH - 6-3/4"
HEIGHT: BUCK HEIGHT - 6-3/4"



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

DESIGN PRESSURE RATING VARIES, SEE SHEETS 7 & 8
WATER TEST PRESSURE 15% OF (+) DP
IMPACT RATING LARGE AND SMALL MISSILE IMPACT RESISTANT MISSILE LEVEL D

FRAME ASSEMBLY TUBE
MULL, SEE SHEET 5 FOR
ANCHORAGE DETAILS

PGT [®] WINDOWS and DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296		VINYL AWNING WINDOW		09/09/26	
		Date		JENS ROSOWSKI	
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GENERAL NOTES & ELEVATION		By		JENS ROSOWSKI	
		Drawn			
Series		AW5540		1 OF 10	
Desc.		Sheet		DWC No.	
				AW5540-LM-HVHZ-TRTN	

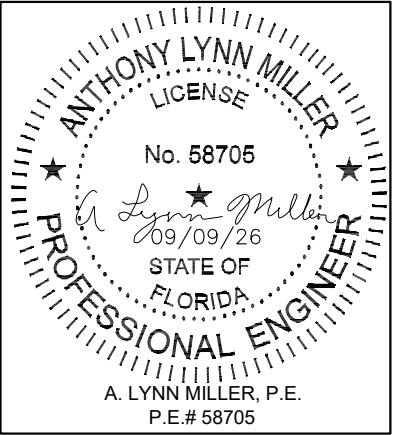


TABLE 1:

Glass Type	Description (Listed from Exterior to Interior)	Table #	Sheet #
1	7/8" Lami IG: 1/8" AN Cap - 1/2" Air - 1/8" AN - 0.090" PVB - 0.70mm Enlighten	4	7
2	7/8" Lami IG: 1/8" TP Cap - 1/2" Air - 1/8" AN - 0.090" PVB - 0.70mm Enlighten	4	7
3	7/8" Lami IG: 3/16" AN Cap - 3/8" Air - 3/16" AN - 0.090" PVB - 0.70mm Enlighten	5	8
4	7/8" Lami IG: 3/16" TP Cap - 3/8" Air - 3/16" AN - 0.090" PVB - 0.70mm Enlighten	5	8
5	7/8" Lami IG: 1/8" HS Cap - 1/2" Air - 1/8" HS - 0.090" PVB - 0.70mm Enlighten	5	8
6	7/8" Lami IG: 1/8" TP Cap - 1/2" Air - 1/8" HS - 0.090" PVB - 0.70mm Enlighten	5	8
7	7/8" Lami IG: 1/8" TP Cap - 1/2" Air - 1/8" TP - 0.090" SG - 0.70mm Enlighten	6	8

"AN" = ANNEALED
"HS" = HEAT STRENGTHENED
"TP" = TEMPERED
"PVB" = 0.090" TROSIFOL PVB
BY KURARAY AMERICA, INC.
"SG" = 0.090" SENTRYGLAS
BY KURARAY AMERICA, INC.
"ENLIGHTEN" BY CORNING, 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'.

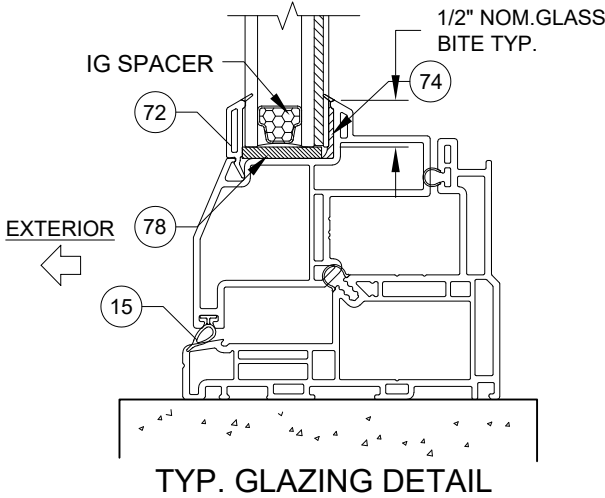


TABLE 2: ANCHORS INSTALLED THROUGH THE FRAME

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
A	#10 SMS Carbon Steel or 18-8, 316, 410 SS	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+	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 Carbon Steel or 18-8, 316, 410 SS	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+	Southern Pine (SG=0.55)	1"	1-3/8"
	1/4" 410 SS Creteflex	Southern Pine (SG=0.55)	1"	1-3/8"
	1/4" 304 SS Aggre-Gator	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" 410 SS Creteflex	Concrete (min. 3.35 ksi)	1"
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" 410 SS 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" 304 SS Aggre-Gator	Concrete (min. 3.275 ksi)	1-1/2"	1-3/8"
		Grouted CMU, (ASTM C-90)	2"	2"

1) * MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

2) ALL SCREWHEAD TYPES ARE APPLICABLE.

3) 18-8 FASTENERS SHALL BE MANUFACTURED FROM TYPE 304 OR 305 STAINLESS STEEL PER ASTM A240.

4) IF COMBINING ANCHOR TYPES FROM DIFFERENT ANCHOR GROUPS ON THE SAME UNIT, THE GREATER ANCHOR QUANTITY FROM EITHER GROUP SHALL BE USED FOR THE ENTIRE UNIT.

5) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

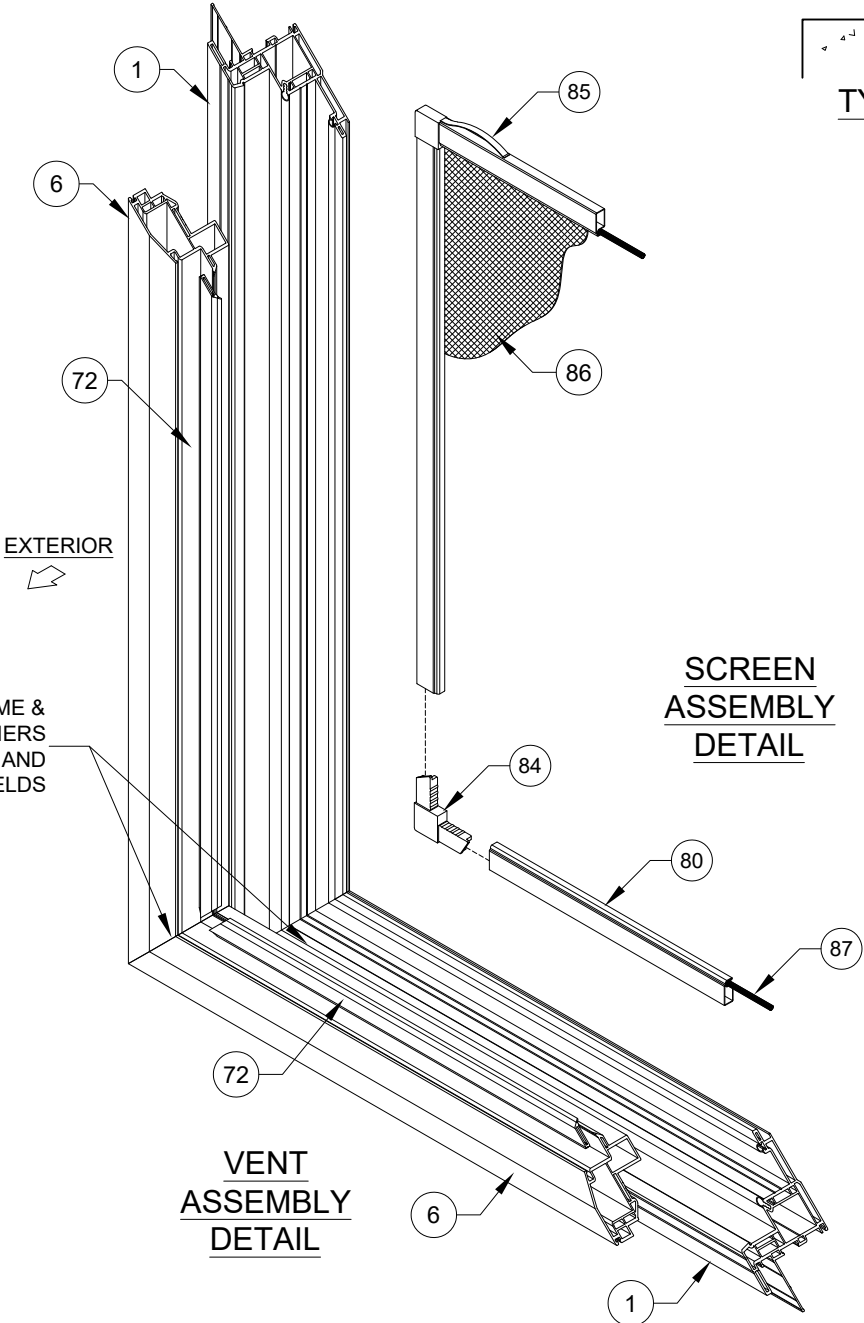


TABLE 3: ANCHORS INSTALLED THROUGH INTEGRAL FIN

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
E	2-1/2" x 0.131" Common Nail	Southern Pine (SG=0.55)	3/8"	2-7/16"
	2-1/2" Ring-shank Roofing Nail	Southern Pine (SG=0.55)	3/8"	2-7/16"
	#10 SMS Carbon Steel or 18-8, 316 or 410 SS	Southern Pine (SG=0.55)	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 Carbon Steel or 18-8, 316 or 410 SS	Southern Pine (SG=0.55)	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"

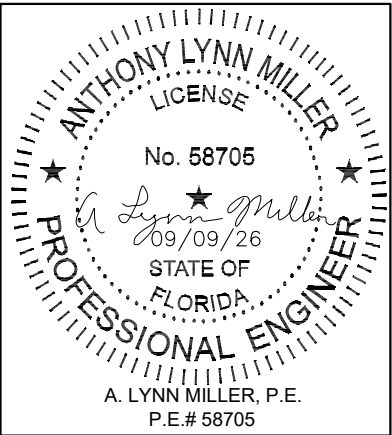
1) * MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

2) ALL SCREWHEAD TYPES ARE APPLICABLE.

3) 18-8 FASTENERS SHALL BE MANUFACTURED FROM TYPE 304 OR 305 STAINLESS STEEL PER ASTM A240.

4) IF COMBINING ANCHOR TYPES FROM DIFFERENT ANCHOR GROUPS ON THE SAME UNIT, THE GREATER ANCHOR QUANTITY FROM EITHER GROUP SHALL BE USED FOR THE ENTIRE UNIT.

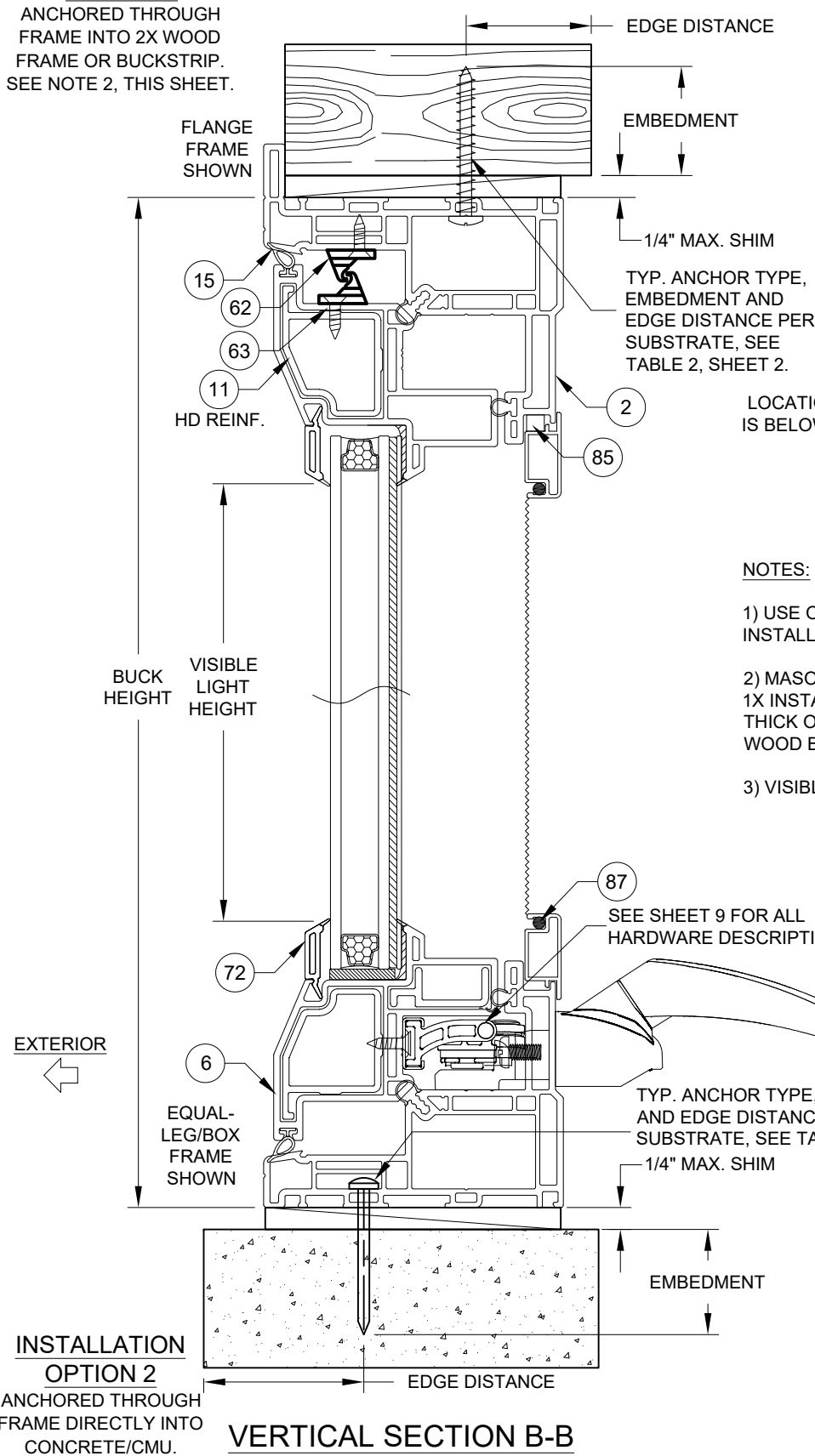
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PGT [®] WINDOWS and DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	By	Date	09/09/26	JENS ROSOWSKI	Title	Desc.	Series



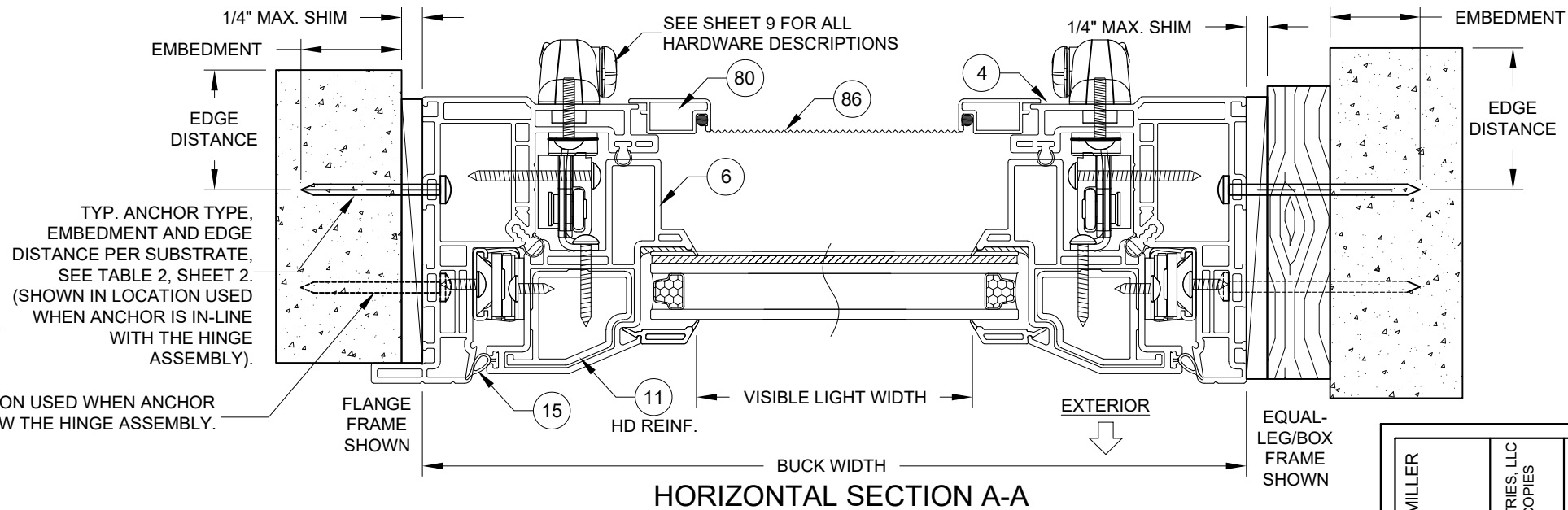
INSTALLATION DETAILS FOR FLANGE & EQUAL-LEG/BOX FRAMES

INSTALLATION
OPTION 1

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



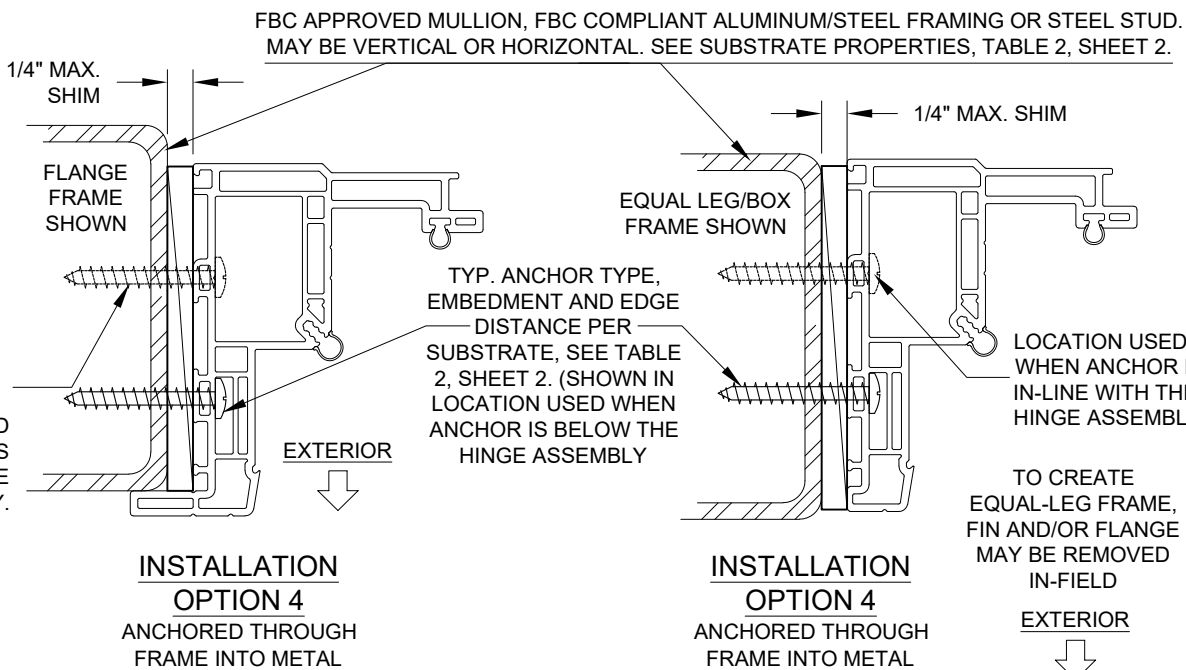
INSTALLATION OPTION 2
ANCHORED THROUGH FRAME
DIRECTLY INTO CONCRETE/CMU.



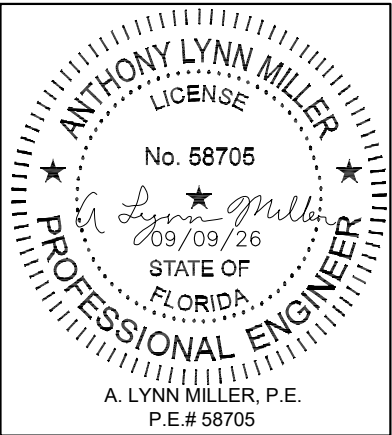
INSTALLATION OPTION 3
ANCHORED THROUGH FRAME AND 1X
BUCKSTRIP INTO CONCRETE/CMU.
SEE NOTE 2, THIS SHEET.

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.



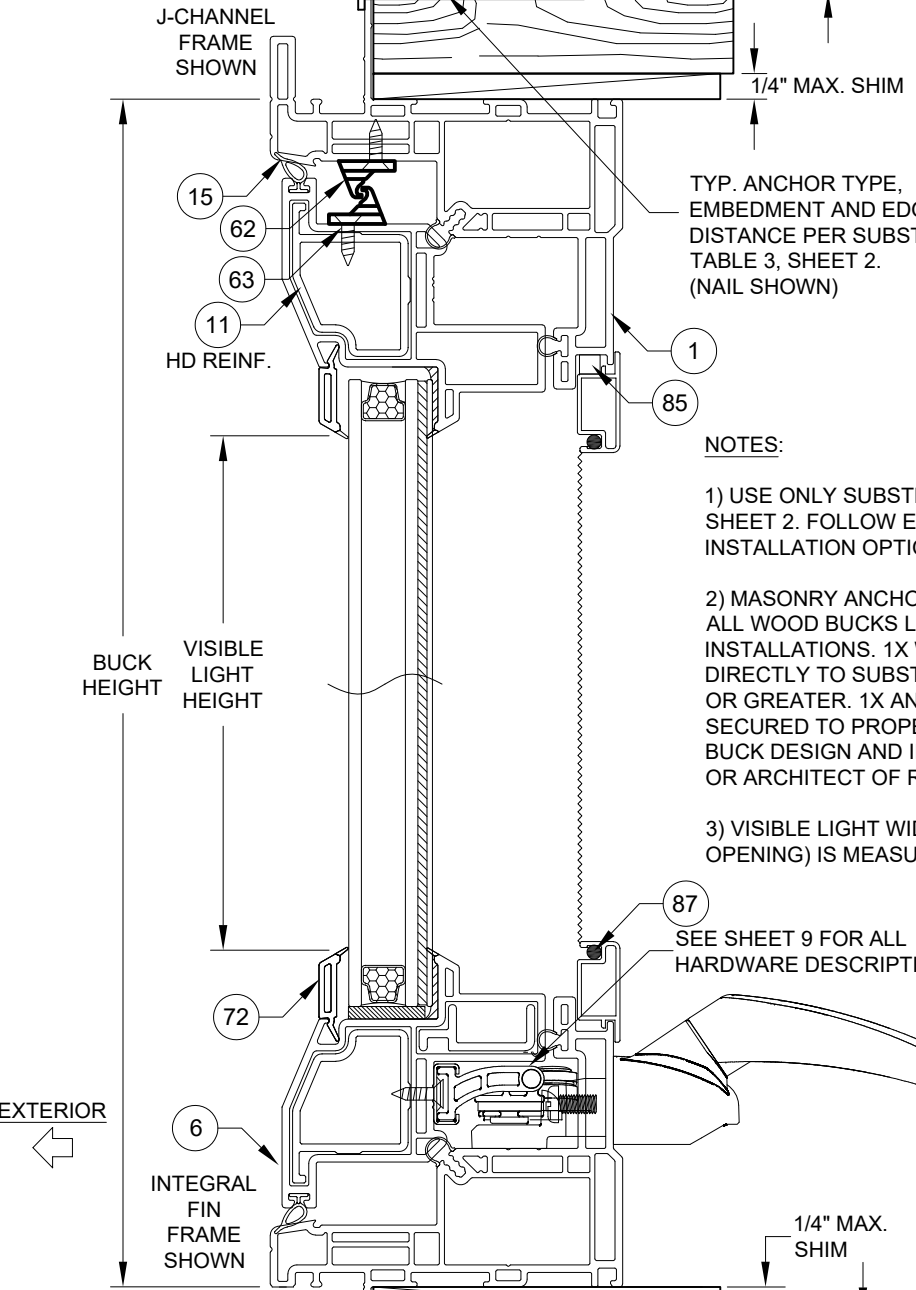
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REGISTRATION #29296				09/09/26	
VINYL AWNING WINDOW		Date		JENS ROSOWSKI	
FLANGE & EQUAL-LEG FRAMES		By		DROWN	
AW5540		3 OF 10		AW5540-LM-HVHZ-TRTN	
Sheet		DWG No.		TRTN	



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.



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

VERTICAL SECTION D-D

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

NOTES:

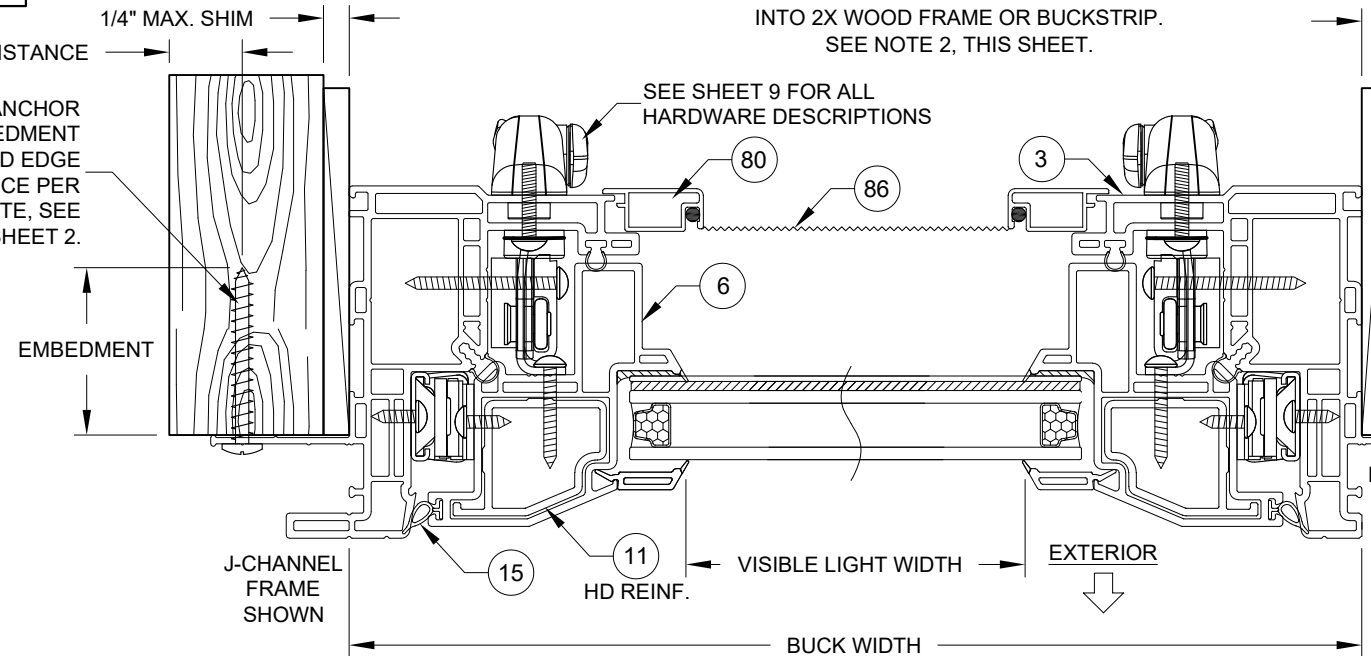
- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLES 2 & 3, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
- 2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO 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.

SEE SHEET 9 FOR ALL HARDWARE DESCRIPTIONS

1/4" MAX. SHIM
EDGE DISTANCE

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

1/4" MAX. SHIM
EDGE DISTANCE
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE 3, SHEET 2.

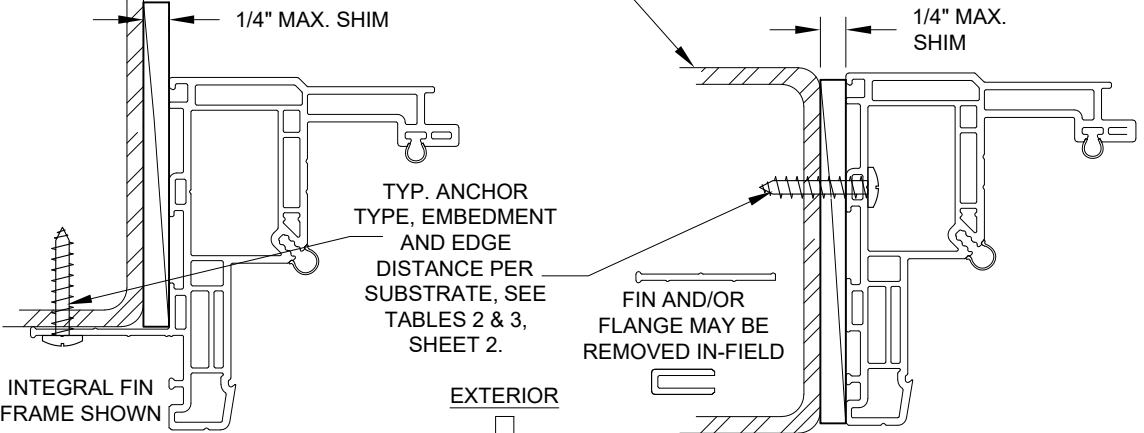


HORIZONTAL SECTION C-C

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

1/4" MAX. SHIM
EDGE DISTANCE
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE 3, SHEET 2.

FBC COMPLIANT ALUMINUM/STEEL FRAMING OR STEEL STUD.
MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLES 2 & 3, SHEET 2.



INSTALLATION OPTION 6
ANCHORED THROUGH INTEGRAL FIN INTO METAL

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

INSTALLATION OPTION 7
ANCHORED THROUGH FRAME INTO METAL

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PGT [®] WINDOWS and DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		VINYL AWNING WINDOW		J-CHANNEL & FIN FRAMES		4 OF 10	
AW5540		Sheet		Title		Desc.		Series	

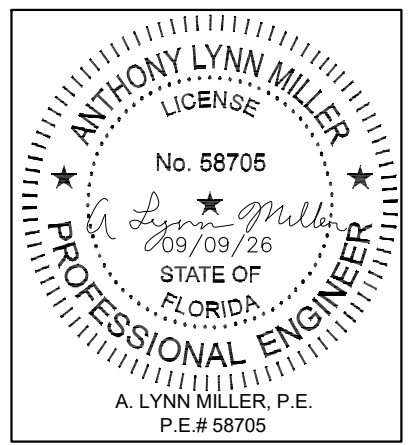


ILLUSTRATION OF AWNING-TO-AWNING (XX)
(EQUAL LEG/BOX FRAME WITH IDENTICAL PRODUCTS COMBINED)

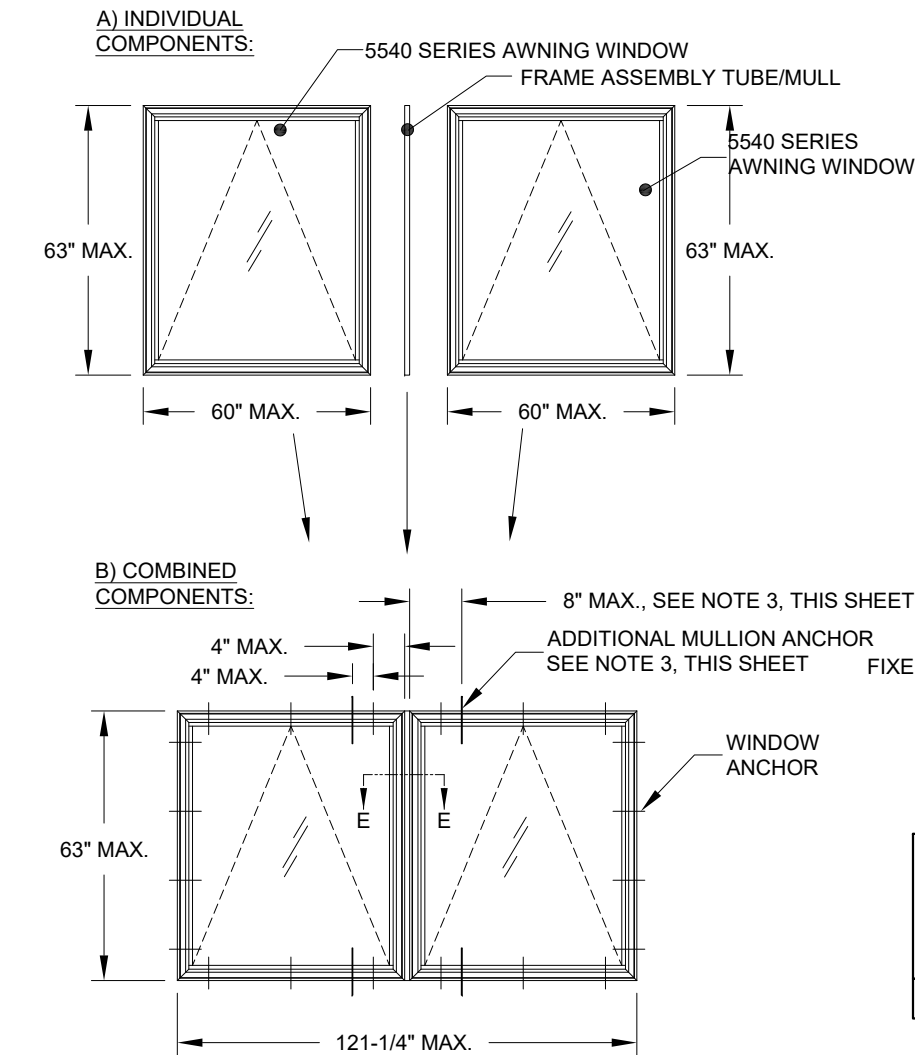
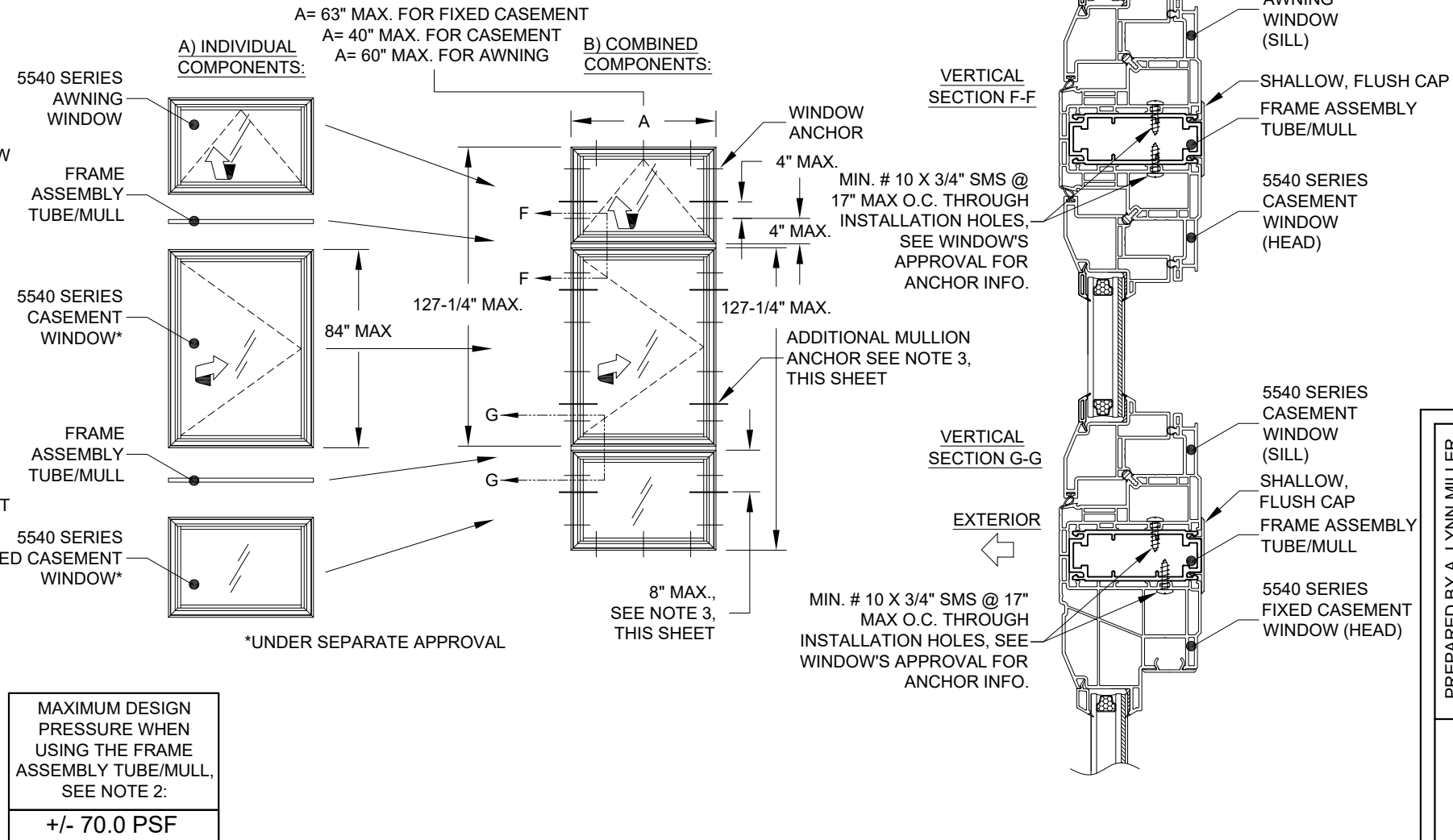


ILLUSTRATION OF AWNING-TO-CASEMENT-TO-FIXED CASEMENT (X/X/O)
(FLANGE FRAME WITH DIFFERENT 5540 SERIES PRODUCTS COMBINED)



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.

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PGT [®] WINDOWS and DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		VINYL AWNING WINDOW	FRAME ASSY. TUBE DETAILS A	5 OF 10
AW5540		5 OF 10		Sheet	Desc.	Series

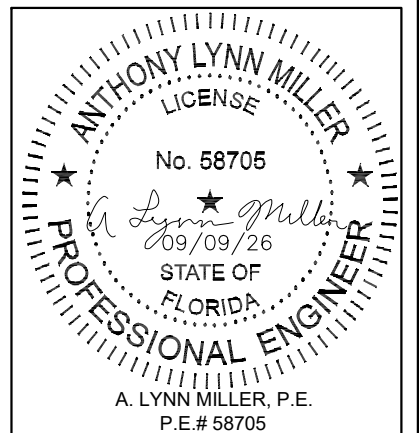
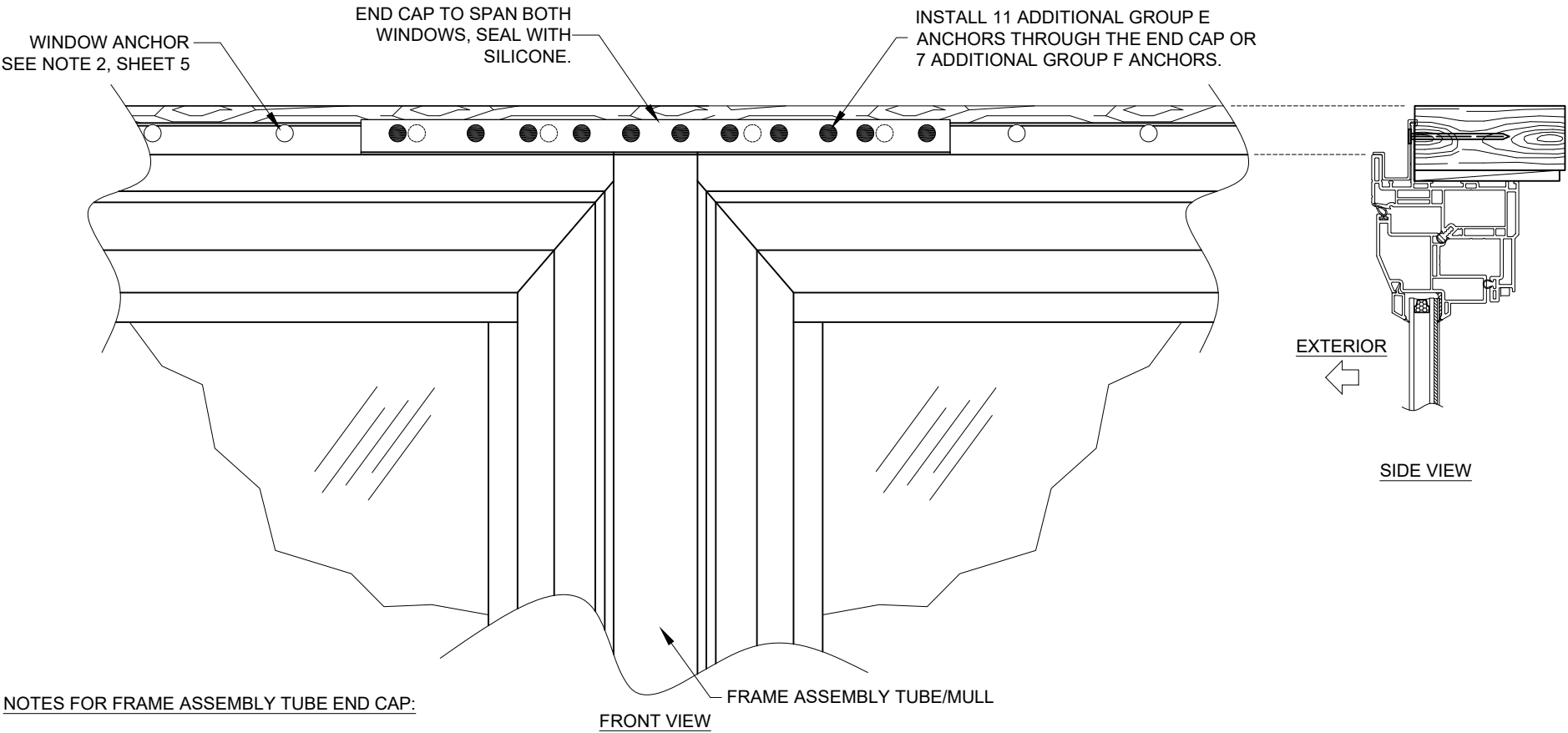


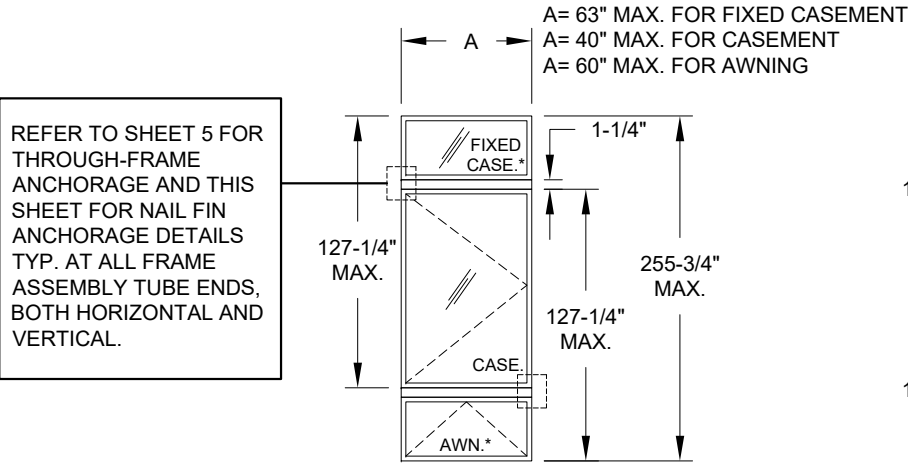
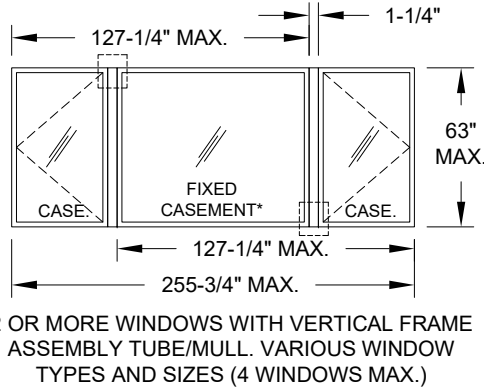
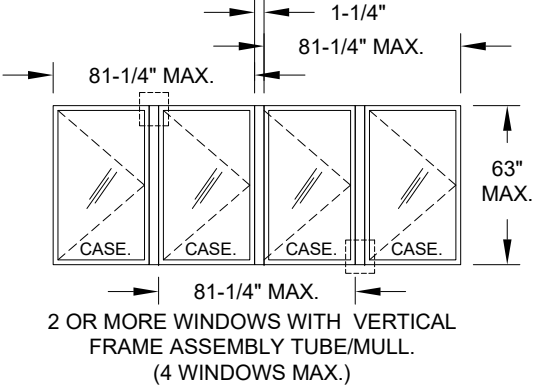
ILLUSTRATION OF END CAP USE WITH FIN AND J-CHANNEL FRAMES



NOTES FOR FRAME ASSEMBLY TUBE END CAP:

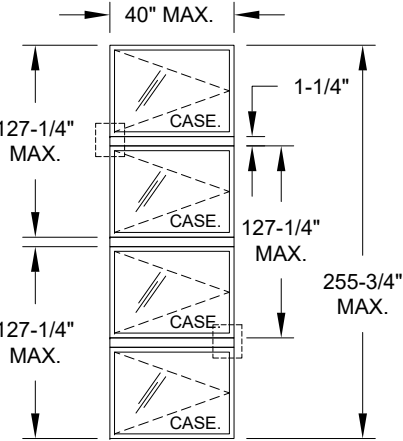
- 1) APPLIES TO FIN OR J-CHANNEL FRAMES.
- 2) REQUIRED AT HEADER/SILL OR JAMBS TO SEAL THE END OF THE FRAME ASSEMBLY TUBE.
- 3) ALL WINDOW TYPES AND FRAME ASSEMBLY TUBE ORIENTATIONS APPLICABLE, SEE SHEET 5.
- 4) END CAP MAY REQUIRE IN-FIELD TRIMMING. STANDARD LENGTH IS 14".

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.



2 OR MORE WINDOWS (4 WINDOWS MAX.) WITH HORIZONTAL FRAME ASSEMBLY TUBE/MULL. VARIOUS WINDOW TYPES AND SIZES.

*UNDER SEPARATE APPROVAL



2 OR MORE WINDOWS (4 WINDOWS MAX.) WITH HORIZONTAL FRAME ASSEMBLY TUBE/MULL.

PREPARED BY A. LYNN MILLER 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		Date	09/09/26	By	JENS ROSOWSKI	DWG No.	AW5540-LM-HVHZ-TRTN
PGT [®] WINDOWS and DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		VINYL AWNING WINDOW		FRAME ASSY. TUBE DETAILS B		6 OF 10	Sheet
AW5540									

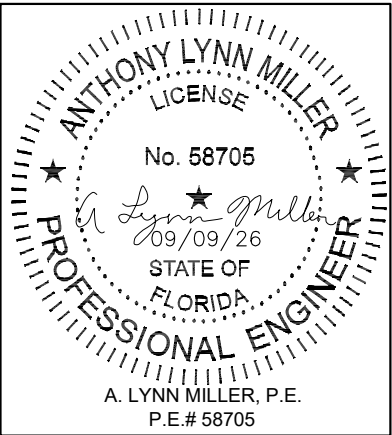


TABLE 4:

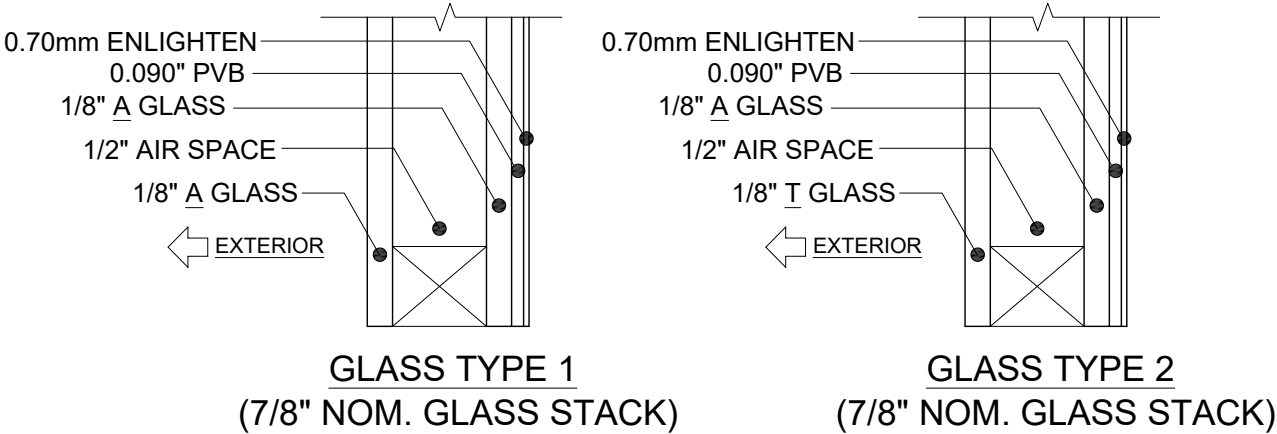
Window Design Pressure (+/-, psf)													Glass Types:		1 & 2
Window Dimensions		Buck Width (in)													
		28	30	32	34	36	38	40	42	44	48	50	52.125	54	60
Buck Height (in)	42	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
	43.776	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-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'.



PGT®
WINDOWS and DOORS
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

PREPARED BY A. LYNN MILLER
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

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VINYL AWNING WINDOW

DESIGN PRESSURE A

AW5540

7 OF 10

Sheet

JENS ROSOWSKI

AW5540-LM-HVHZ-TRTN

ANTHONY LYNN MILLER
LICENSE
No. 58705
09/09/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

09/09/26

By

DATE

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	+/-50	+/-50	+/-50		
	49.745	+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	+/-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	+/-50	+/-50								
	68.4	+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	+/-50	+/-50										
	78.171	+65/-70	+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:

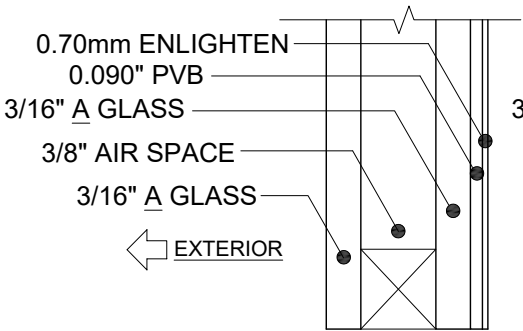
Window Design Pressure (+/-, psf)										Glass Type:	7
Window Dimensions		Buck Width (in)									
		28	30	32	34	36	38	40	42	44	47
Buck Height (in)	42	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110
	64.34	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110	+70/-110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

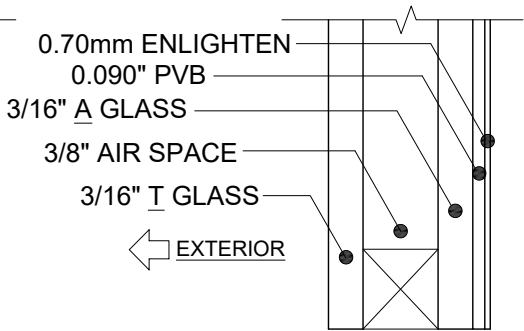
APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)

SEE ELEVATION ON SHEET 1

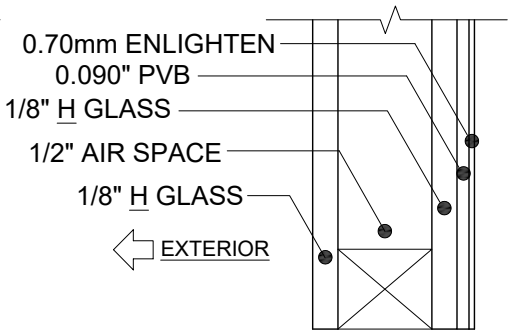
GLASS TYPE 7 MAY NOT BE USED WITH J-CHANNEL OR INTEGRAL FIN FRAMES



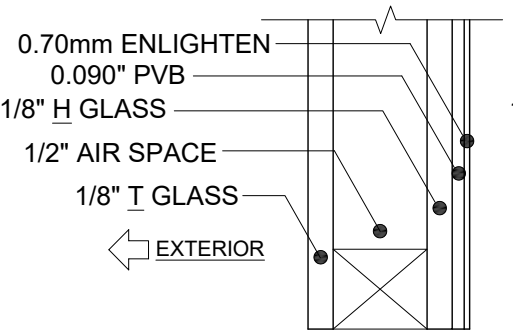
GLASS TYPE 3
(7/8" NOM. GLASS STACK)



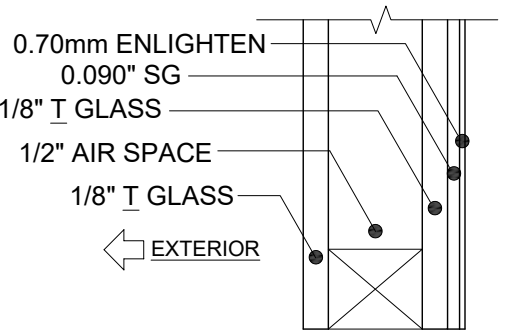
GLASS TYPE 4
(7/8" NOM. GLASS STACK)



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



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



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

PGT[®] WINDOWS and DOORS

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

REGISTRATION #29296

PREPARED BY A. LYNN MILLER
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

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VINYL AWNING WINDOW

DESIGN PRESSURE B

AW5540

09/09/26

JENS ROSOWSKI

8 OF 10

AW5540-LM-HVHZ-TRTN

ANTHONY LYNN MILLER

LICENSE

No. 58705

09/09/26

STATE OF FLORIDA

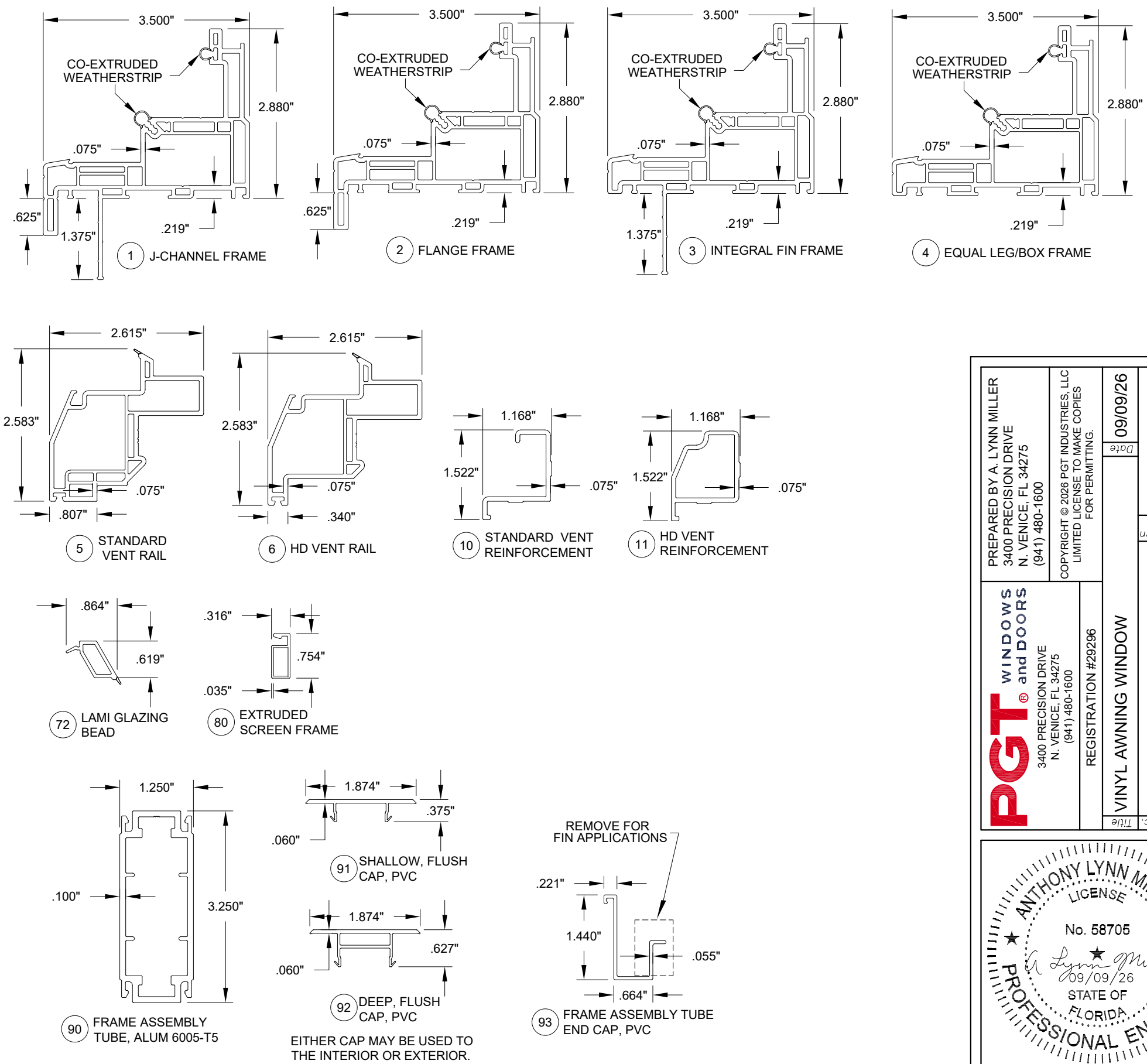
PROFESSIONAL ENGINEER

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

TABLE 3:

#	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	620396/135	Lami IG Glazing Bead	PVC/ABS
74		Backbedding, GE 7700, Dow 791/983	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

1) SOME PARTS NOT SHOWN ON DRAWING FOR CLARITY.
2) J-CHANNEL FRAME SHOWN, PART #1. OTHER FRAME TYPES, PARTS #2 - 4, APPLY.



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	VINYL AWNING WINDOW				
	BOM & ASSEMBLY B				
Sheet 10 OF 10		Series AW5540			

