

SERIES PW5520 IMPACT RESISTANT, VINYL
FIXED WINDOW WITH DIAMOND GLASS

FLORIDA PRODUCT APPROVAL #29700

1) THIS PRODUCT HAS BEEN DESIGNED AND 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. 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.

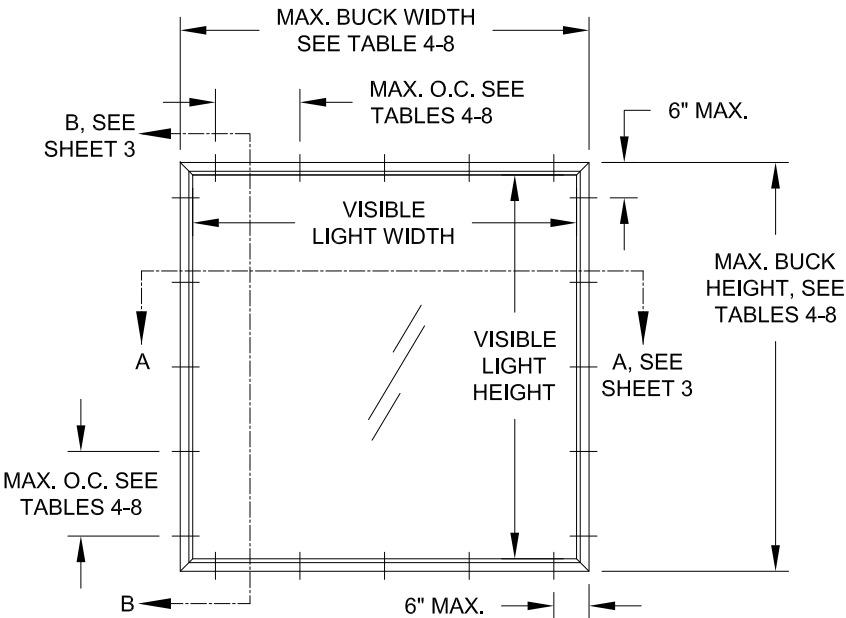
6) ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.

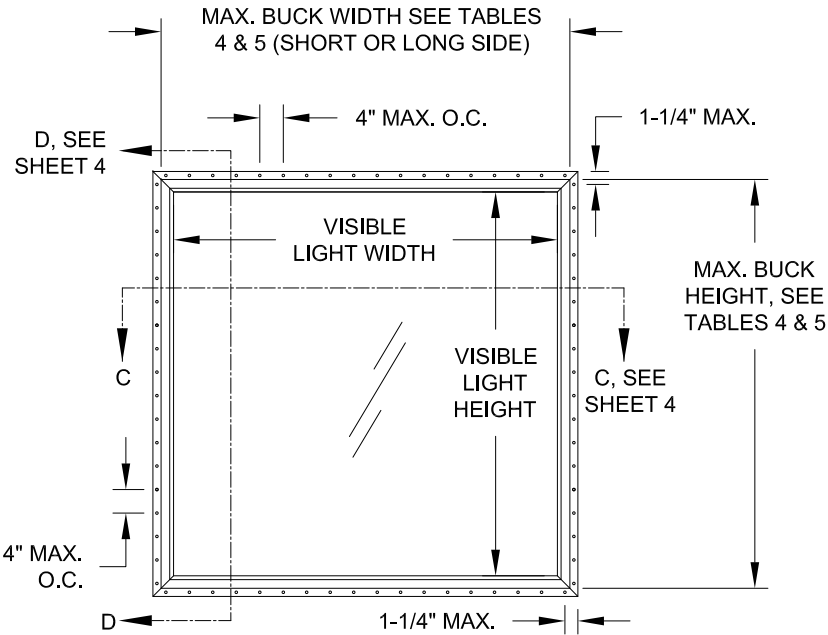
8) THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR THE SITE-SPECIFIC PROJECTS INCLUDING CONSIDERATIONS FOR LIFE SAFETY, STRUCTURAL ADEQUACY FOR ACCOMMODATING THIS PRODUCT AND THE EFFECTIVENESS OF SEALING AROUND THE OPENINGS TO RESIST WATER INFILTRATION.

9) CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

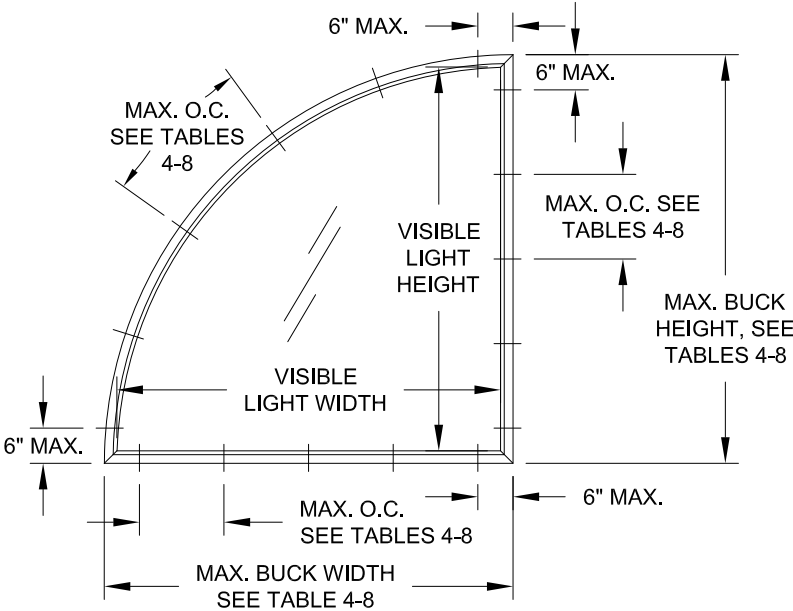
10) FRAME FLANGES OR INTEGRAL FINES MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.



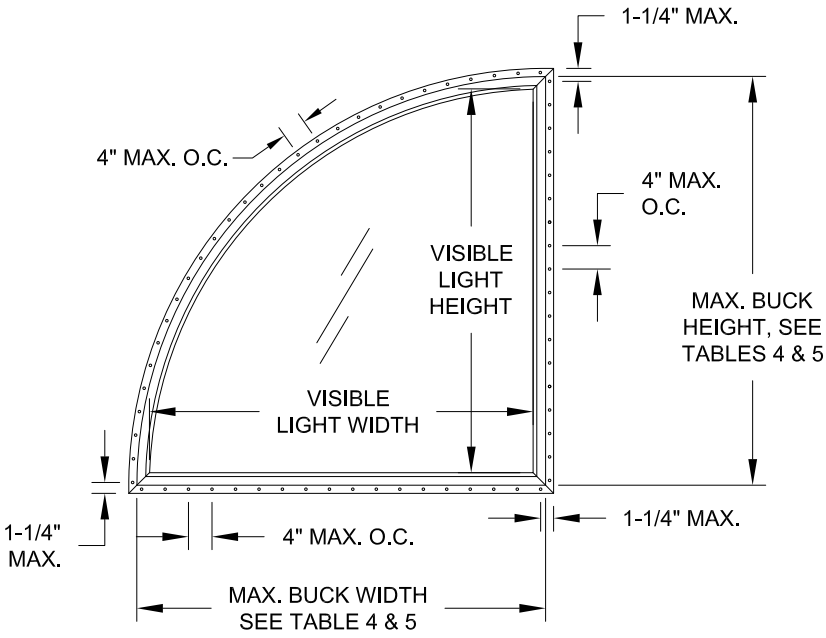
TYP. EQUAL-LEG/BOX &
FLANGE FRAME (90° CORNERS)



TYP. INTEGRAL FIN & J-CHANNEL
FRAME (90° CORNERS)
(ANCHORED THROUGH NAIL FIN)



TYP. EQUAL-LEG/BOX &
FLANGE FRAME (CURVED
OR ANGLED CORNERS)



TYP. INTEGRAL FIN & J-CHANNEL FRAME
(CURVED OR ANGLED CORNERS)
(ANCHORED THROUGH NAIL FIN)

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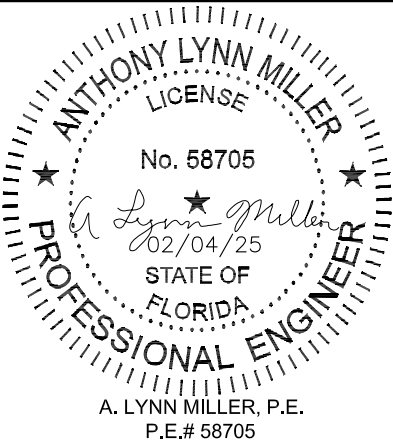
THIS SYSTEM HAS BEEN TESTED TO MEET THE 400 FT-LB KINETIC ENERGY IMPACT LOADING REQUIREMENTS OF ANSI Z97.1 WHEN USING GLASS TYPES 3 & 6.

GLASS USED ABOVE 30 FEET IN THE HVHZ MUST HAVE A TEMPERED CAP.

VISIBLE LIGHT FORMULAS
WIDTH: BUCK WIDTH - 4-3/16"
HEIGHT: BUCK HEIGHT - 4-3/16"

IMPACT RATING	DESIGN PRESSURE RATING
LARGE & SMALL MISSILE IMPACT RESISTANT	VARIES PER GLASS TYPE, SEE TABLES 4-8

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.	02/04/25	JENS ROSOWSKI	PW5520-DG
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUM FIXED WDW - DIAMOND GLASS (LM)	ELEVATION & GENERAL NOTES	PW5520	1 OF 9



Anchor	Location	Installation Date	Installation Method	Installation Status
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100	...	...	...	...

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
A	#10 SMS (steel, 18-8 S.S. or 410 S.S.)	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 (steel, 18-8 S.S. or 410 S.S.)	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" steel Creteflex	Southern Pine (SG=0.55)	1"	1-3/8"
	1/4" steel 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" 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"

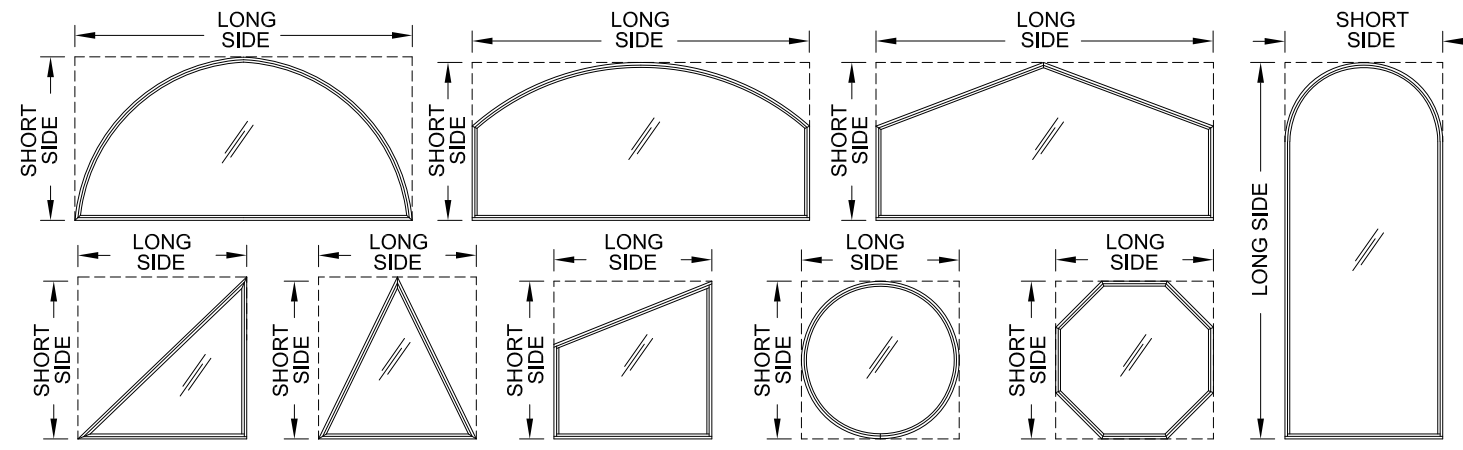
* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.
"UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
ALL ANCHOR HEAD TYPES ARE ACCEPTABLE.

TABLE 2: ANCHORS INSTALLED THROUGH INTEGRAL FIN

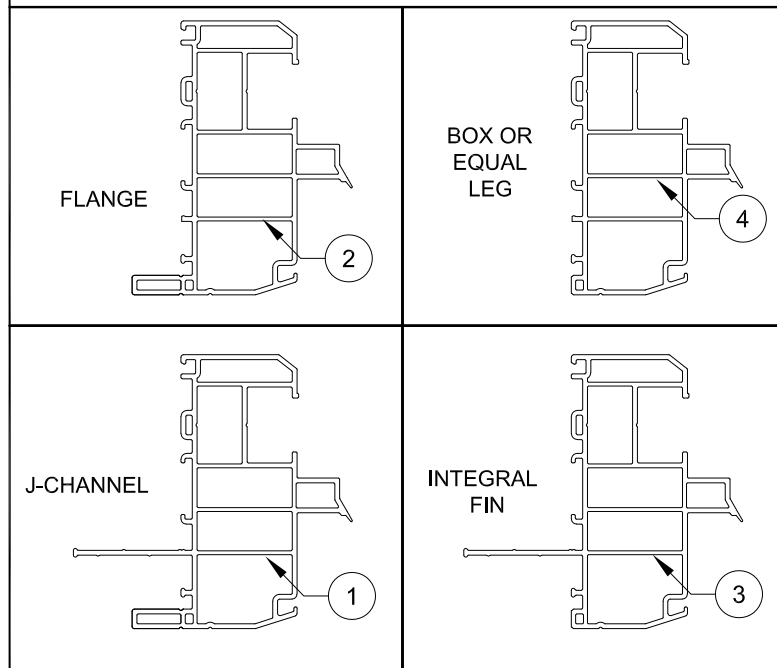
Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
E	2-1/2" x .131" Common Nail	Southern Pine (SG=0.55)	3/8"	2-7/16"
	2-1/2" Ring-shank Roofing Nail	Southern Pine (SG=0.55)	3/8"	2-7/16"
	#10 Trusshead SMS (Steel, 18-8 S.S. or 410 S.S.)	Southern Pine (SG=0.55)	1/2"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.100"
		Steel Stud, Gr. 33*	3/8"	0.0451" (18 Ga.)
		Steel, A36*	3/8"	0.050"
	#12 SMS (Steel, 18-8 SS or 410 SS), Flathead or Panhead	Southern Pine (SG=0.55)	9/16"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.100"
		Steel Stud, Gr. 33*	3/8"	0.0451" (18 Ga.)
		Steel, A36*	3/8"	0.050"

* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

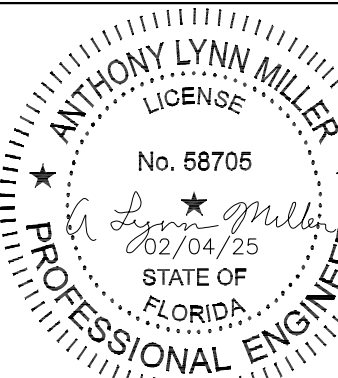
ALL ARCHITECTURAL WINDOW SHAPES QUALIFIED, COMMON EXAMPLES SHOWN. INSCRIBE THE SHAPE IN A BLOCK (SEE EXAMPLES BELOW), AND OBTAIN DESIGN PRESSURES FOR THAT BLOCK SIZE FROM DESIGN PRESSURE TABLES.



WINDOW FRAMES MAY BE ANY OF THOSE SHOWN BELOW:



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3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUM FIXED WDW - DIAMOND GLASS (LM)		
Title	Date	02/04/25	
ANCHOR & FRAME OPTIONS		Drawn By	JENS ROSOWSKI
PW5520	2 OF 9	DWG No.	PW5520-DG
Series	Desc.	Sheet	



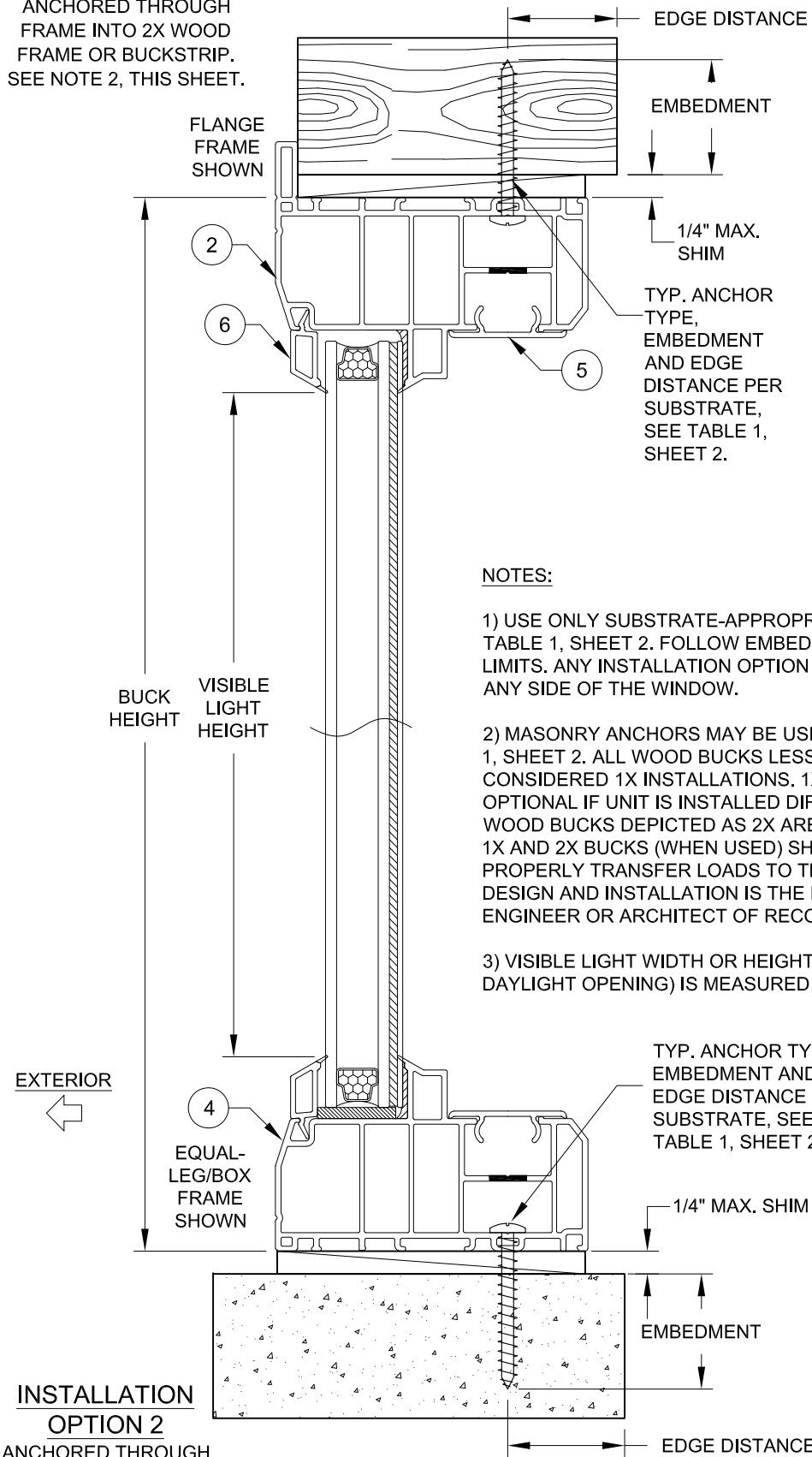
ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 02/04/25
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

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.

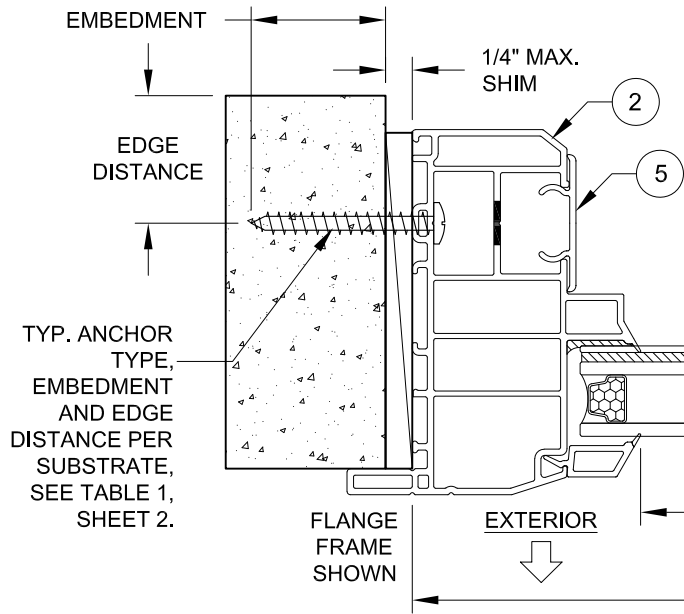


INSTALLATION
OPTION 2

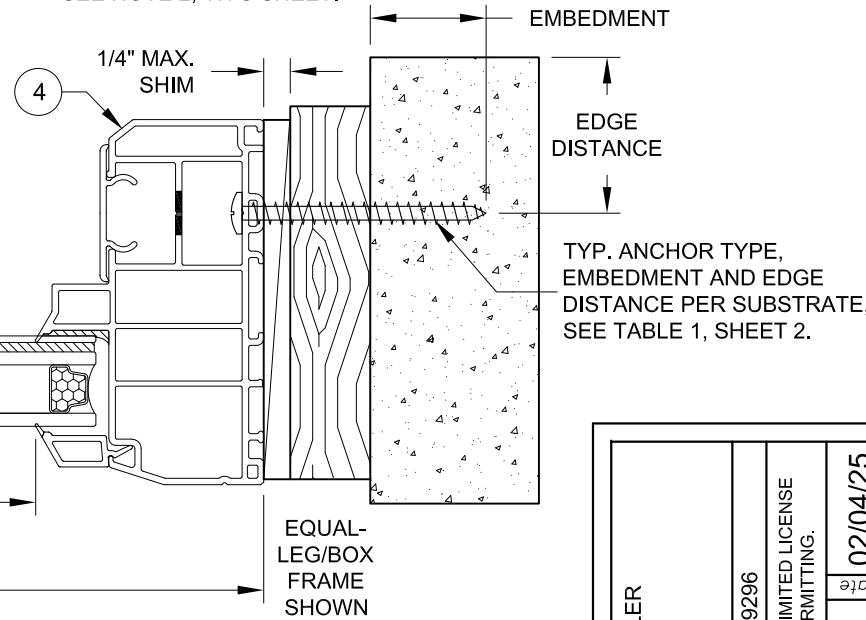
ANCHORED THROUGH
FRAME DIRECTLY INTO
CONCRETE/CMU.

VERTICAL SECTION B-B

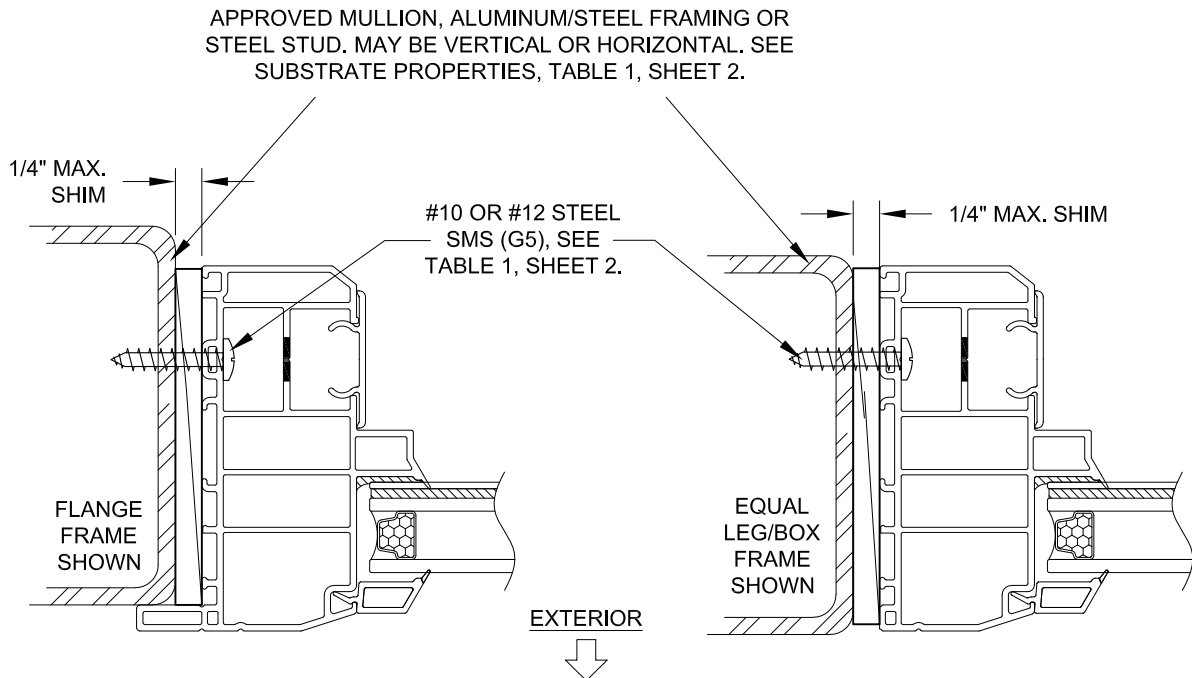
INSTALLATION OPTION 2
ANCHORED THROUGH FRAME
DIRECTLY INTO CONCRETE/CMU.



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



HORIZONTAL SECTION A-A



INSTALLATION
OPTION 4

ANCHORED THROUGH
FRAME INTO METAL

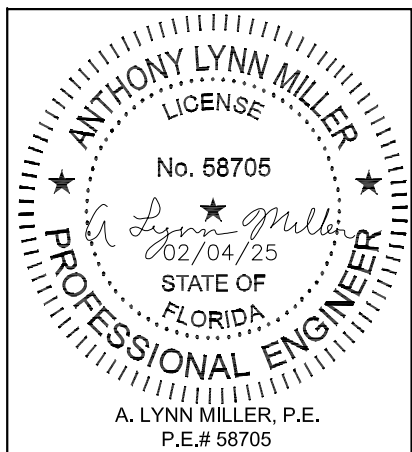
INSTALLATION
OPTION 4

ANCHORED THROUGH
FRAME INTO METAL

NOTES:

- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 1, 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 1, 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 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.

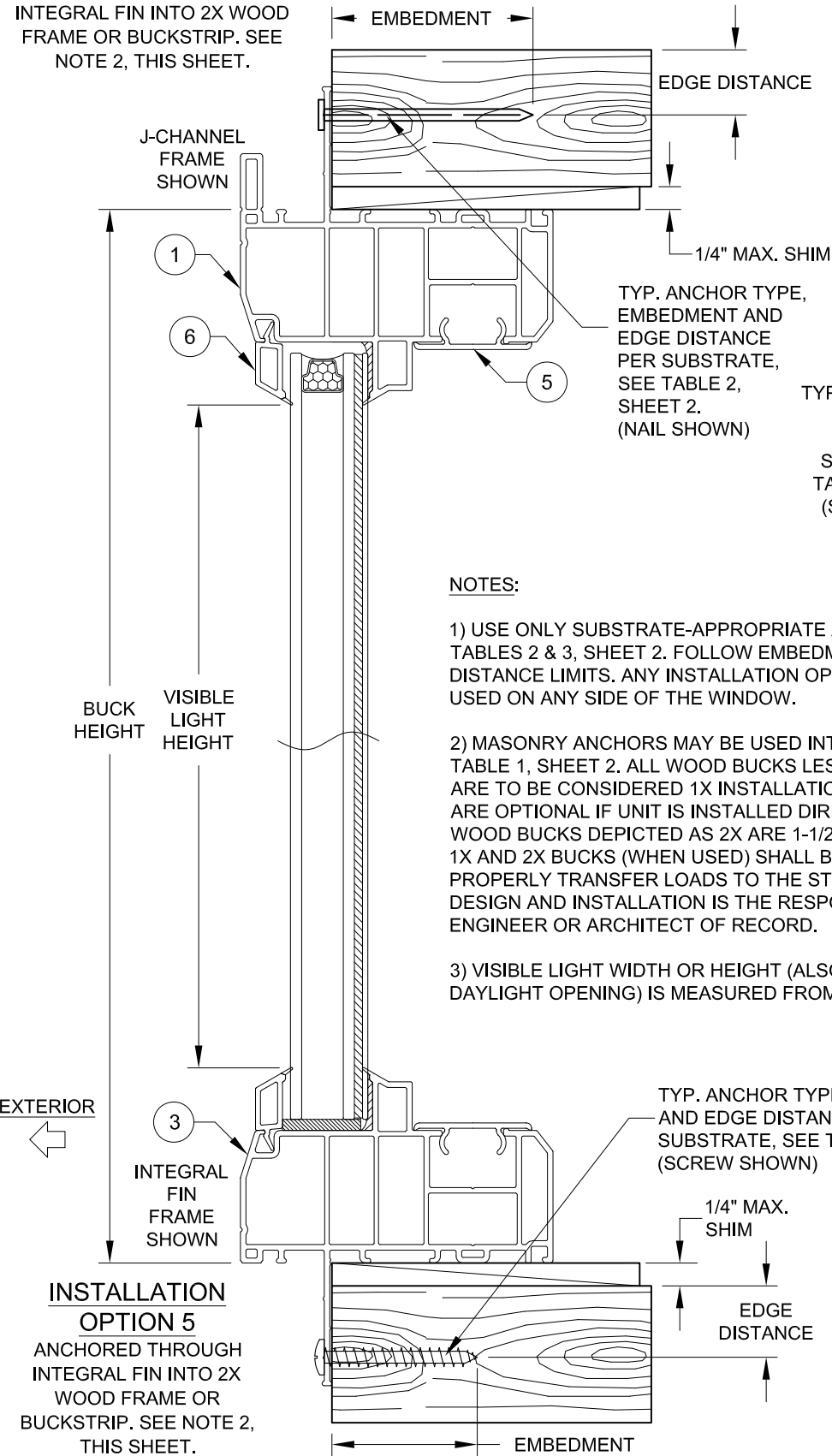
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PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUM FIXED WDW - DIAMOND GLASS (LM)		By		JENS ROSOWSKI		PW520	
INSTALLATION		3 OF 9		Sheet		PW520-DG		3 OF 9	
PW520		3 OF 9		DWG		PW520-DG		3 OF 9	
PW520		3 OF 9		No.		PW520-DG		3 OF 9	
PW520		3 OF 9		Date		PW520-DG		3 OF 9	



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.

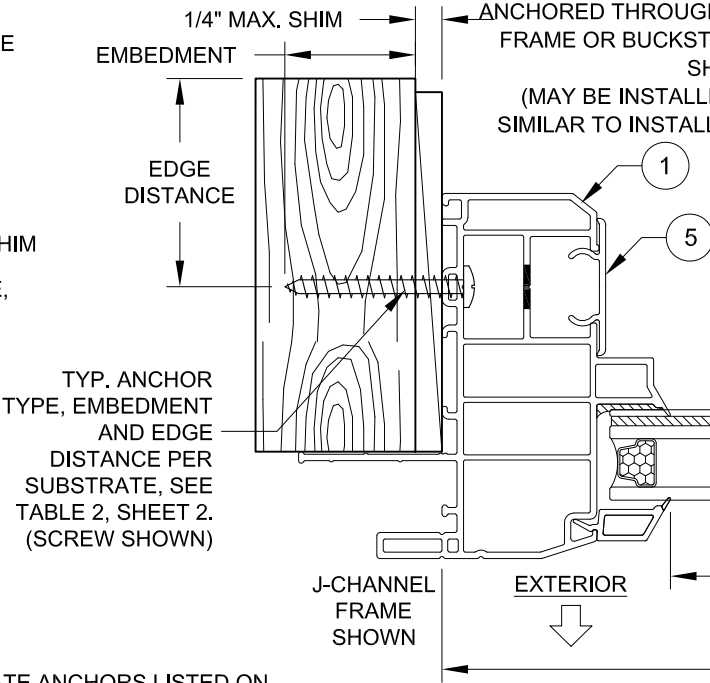


- NOTES:
- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLES 2 & 3, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
 - 2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 1, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK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

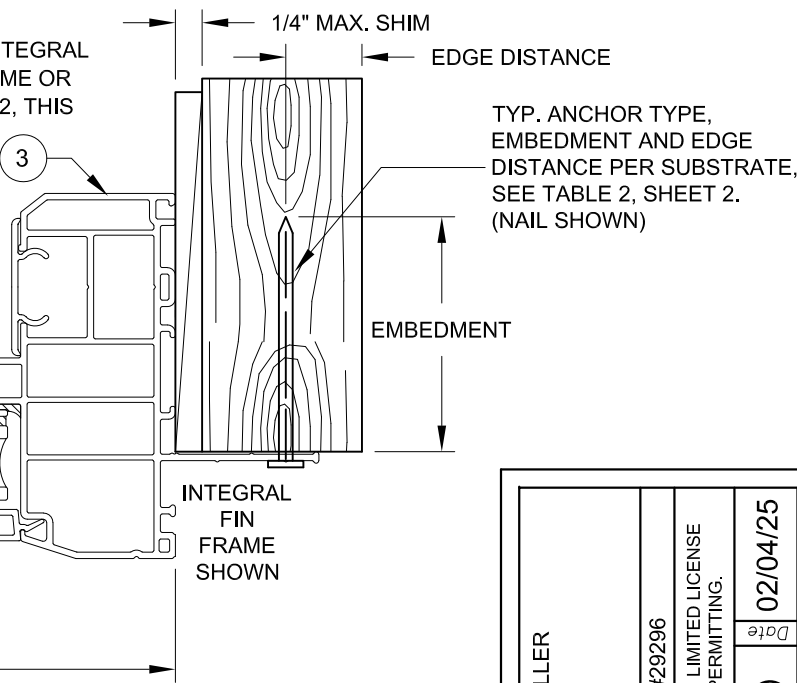
INSTALLATION OPTION 6

ANCHORED THROUGH FRAME INTO 2X WOOD FRAME OR BUCKSTRIP. SEE NOTE 2, THIS SHEET.
(MAY BE INSTALLED INTO CONCRETE, SIMILAR TO INSTALLATION OPTIONS 2 & 3)



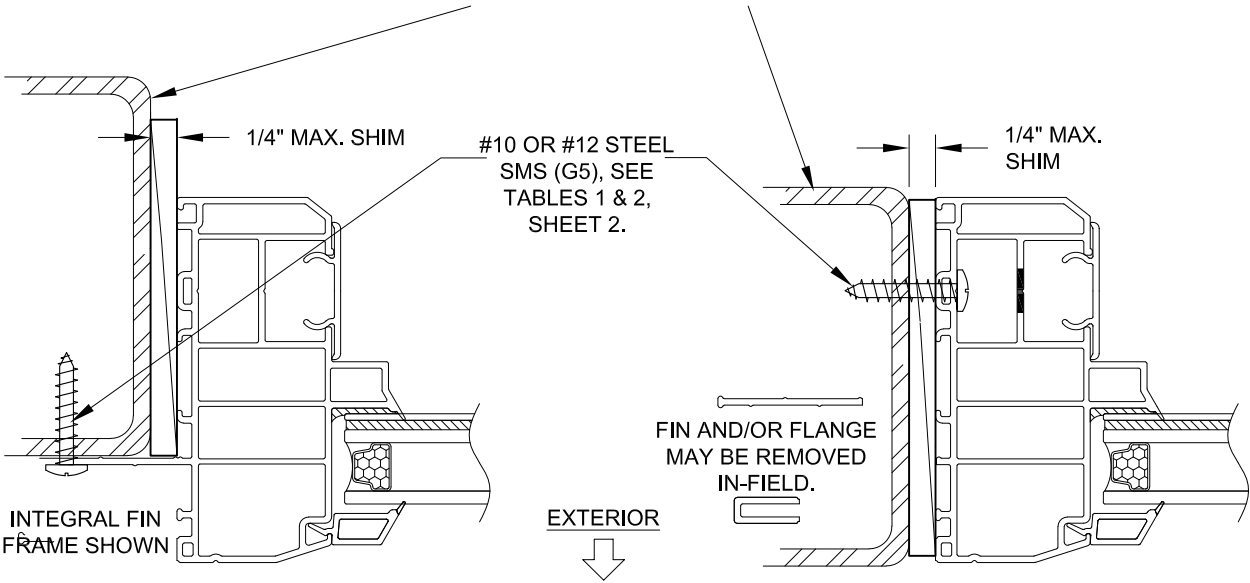
INSTALLATION OPTION 5

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



HORIZONTAL SECTION C-C

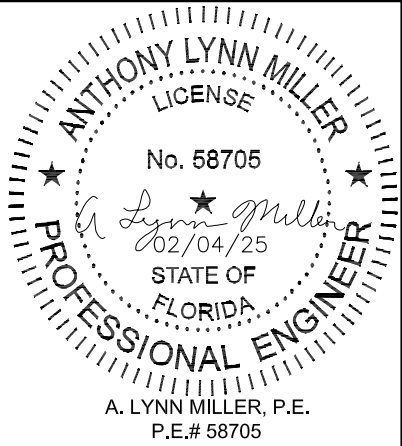
APPROVED MULLION, ALUMINUM/STEEL FRAMING OR STEEL STUD. MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLES 1 & 2, SHEET 2.

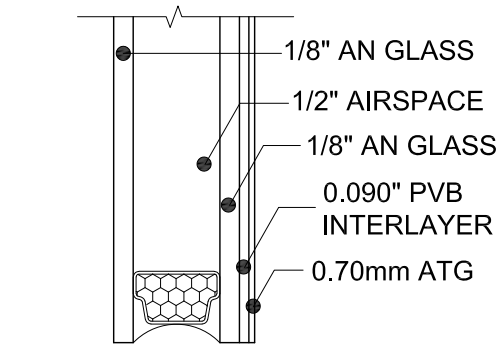


INSTALLATION OPTION 7
INSTALLATION THROUGH THE INTEGRAL FIN, INTO METAL, SEE TABLE 2, SHEET 2.
INSTALLATION OPTION 4 (FLANGE FRAME) ALLOWED WITH MULLION INSTALLATION. SEE SHEET 3.

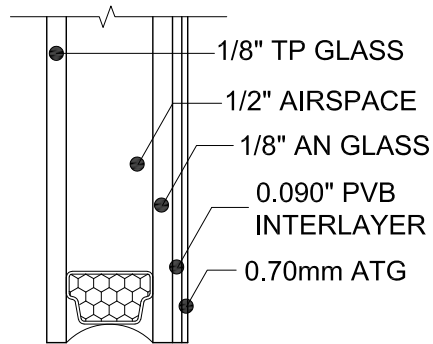
INSTALLATION OPTION 8
INSTALLATION THROUGH THE FRAME, INTO METAL, SEE TABLE 1, SHEET 2.

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Title		ALUM FIXED WDW - DIAMOND GLASS (LM)		Date		02/04/25	
Installation				By		JENS ROSOWSKI	
Series		PW5520		DWG No.		4 OF 9	
Sheet						PW5520-DG	

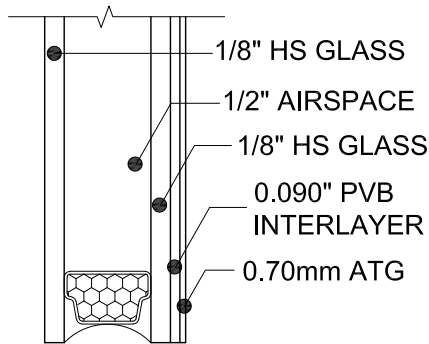




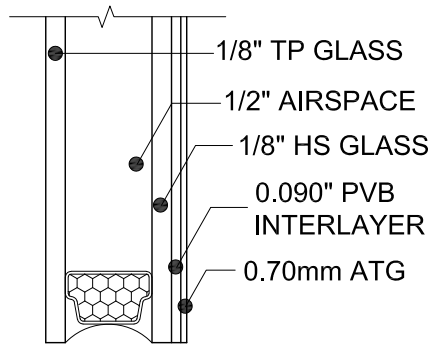
GLASS TYPE 1
7/8" NOM. GLASS STACK



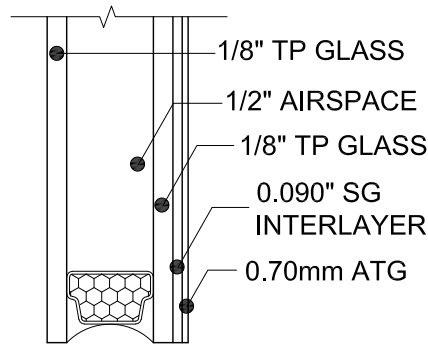
GLASS TYPE 2
7/8" NOM. GLASS STACK



GLASS TYPE 3
7/8" NOM. GLASS STACK

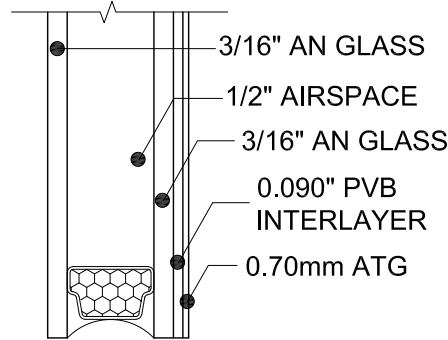


GLASS TYPE 4
7/8" NOM. GLASS STACK

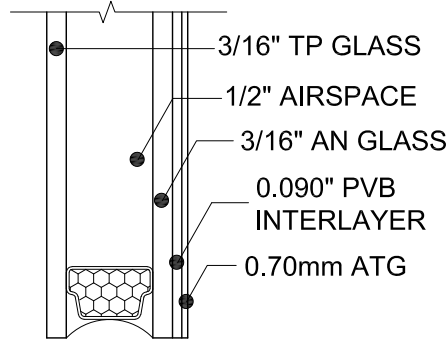


GLASS TYPE 5
7/8" NOM. GLASS STACK

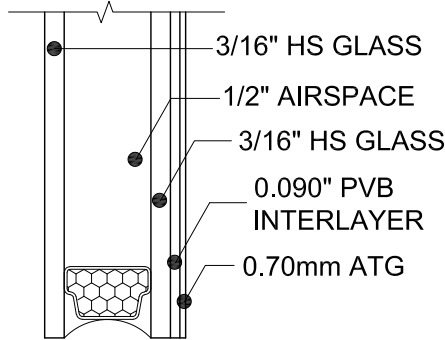
EXTERIOR INTERIOR
← →



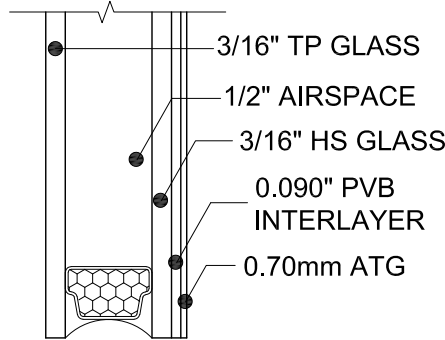
GLASS TYPE 6
1" NOM. GLASS STACK



GLASS TYPE 7
1" NOM. GLASS STACK



GLASS TYPE 8
1" NOM. GLASS STACK



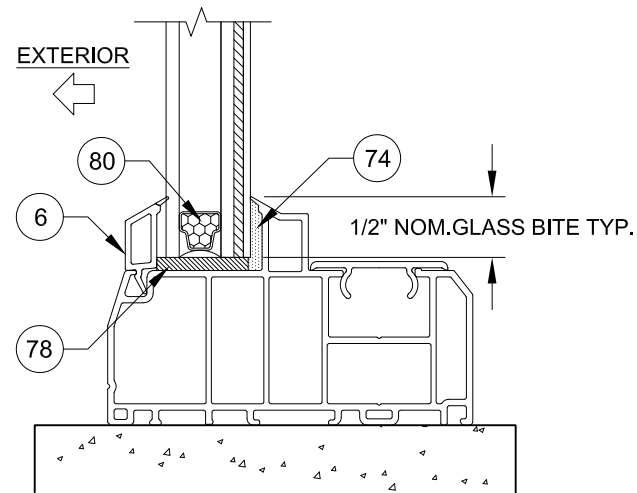
GLASS TYPE 9
1" NOM. GLASS STACK

TABLE 3:

Glass Type	Description (Listed from Exterior to Interior)
1	7/8" Lami IG: 1/8" AN Cap - 1/2" Airspace - 1/8" AN - 0.090" PVB Interlayer - 0.70mm ATG
2	7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" AN - 0.090" PVB Interlayer - 0.70mm ATG
3	7/8" Lami IG: 1/8" HS Cap - 1/2" Airspace - 1/8" HS - 0.090" PVB Interlayer - 0.70mm ATG
4	7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" HS - 0.090" PVB Interlayer - 0.70mm ATG
5	7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" TP - 0.090" SG Interlayer - 0.70mm ATG
6	1" Lami IG: 3/16" AN Cap - 1/2" Airspace - 3/16" AN - 0.090" PVB Interlayer - 0.70mm ATG
7	1" Lami IG: 3/16" TP Cap - 1/2" Airspace - 3/16" AN - 0.090" PVB Interlayer - 0.70mm ATG
8	1" Lami IG: 3/16" HS Cap - 1/2" Airspace - 3/16" HS - 0.090" PVB Interlayer - 0.70mm ATG
9	1" Lami IG: 3/16" TP Cap - 1/2" Airspace - 3/16" HS - 0.090" PVB Interlayer - 0.70mm ATG

GLASS USED ABOVE 30 FEET IN THE HVHZ MUST HAVE A TEMPERED CAP.

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



TYP. GLAZING DETAIL

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
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ALUM FIXED WDW - DIAMOND GLASS (LM)

02/04/25

By JENS ROSOWSKI

DWG No. PW5520-DG

5 OF 9

Sheet PW5520

GLAZING DETAILS

Series Desc. Title

ANTHONY LYNN MILLER
LICENSE
No. 58705
02/04/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 4:

Anchors Allowed: A, B, C, D or E		Design Pressure (+/-, psf)													Glass Type 1: 7/8" Lami IG: 1/8" AN Cap - 1/2" Airspace - 1/8" AN - 0.090" PVB Interlayer - 0.70mm ATG												
															Glass Type 2: 7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" AN - 0.090" PVB Interlayer - 0.70mm ATG												
		Long Side (in)																									
Max. O.C. 14-1/2"		53	56	59	62	65-3/16	68	71	74	77	80	83	86	87-3/16													
Short Side(in)	20	+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													
	22	+65/-70	+65/-70	+65/-70	+65/-68.4	+65/-66.2	+/-64.4	+/-62.8	+/-61.6	+/-60.3	+/-59.2	+/-58.3	+/-57.4	+/-57.1													
	24	+65/-70	+65/-68.2	+/-64.3	+/-60.7	+/-57.6	+/-55.3	+/-53.6	+/-52.2	+/-50.8	+/-49.7	+/-48.6	+/-47.7	+/-47.3													
	26	+65/-70	+65/-67	+/-61.7	+/-56.7	+/-53.6	+/-50.9	+/-48.6	+/-46.4	+/-45	+/-43.7	+/-42.7	+/-41.6	+/-41.2													
	28	+65/-70	+65/-67.1	+/-61.7	+/-56.3	+/-52.7	+/-49.5	+/-46.3	+/-44.3	+/-42.3	+/-40.3	+/-38.7	+/-37.3	+/-37.1													
	30	+65/-67.1	+65/-65.7	+/-62.5	+/-56.9	+/-53.3	+/-49.7	+/-46.3	+/-43.9	+/-41.2	+/-38.9	+/-36.9	+/-35.6	+/-35.3													
	32	+/-64.6	+/-63.2	+/-61.9	+/-57.8	+/-53.8	+/-50.2	+/-46.8	+/-44.1	+/-41.6	+/-38.9	+/-36.7	+/-35.3	+/-34.7													
	34	+/-62.5	+/-61	+/-59.7	+/-57.2	+/-54.2	+/-50.8	+/-47.3	+/-44.8	+/-42.3	+/-39.6																
	36	+/-60.7	+/-59.1	+/-57.7	+/-56.3	+/-53.3	+/-50.8	+/-47.7	+/-45	+/-42.8																	
	38	+/-59.2	+/-57.5	+/-56.1	+/-54.8	+/-52.4	+/-49.5	+/-47.2	+/-45																		
	40	+/-58	+/-56.2	+/-54.6	+/-52.7	+/-50.4	+/-48.2																				
	42	+/-56.9	+/-55	+/-53.1	+/-50.8	+/-48.4																					
	43-3/16	+/-56.4	+/-54.4	+/-52	+/-49.7	+/-47.3																					
	44	+/-56	+/-53.3	+/-50.8	+/-48.4																						
	46	+/-53.6	+/-51.1	+/-48.6				MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEET 3				MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4															
	48	+/-51.7	+/-49					APPLIES TO A, B, C OR D ANCHORS				APPLIES TO E ANCHORS															
	50	+/-49.5	+/-46.8					14-1/2"				4"															
	52	+/-47.5																									
	53	+/-46.6																									

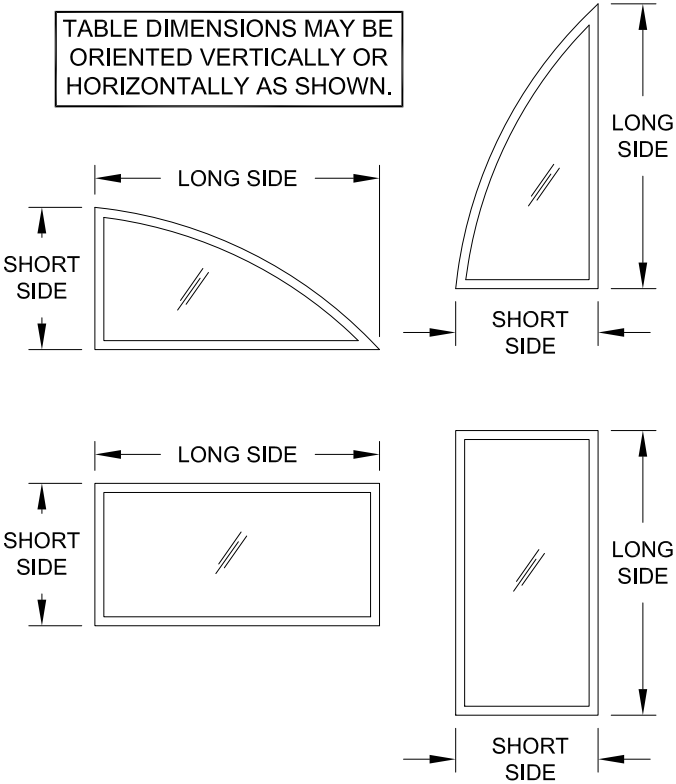
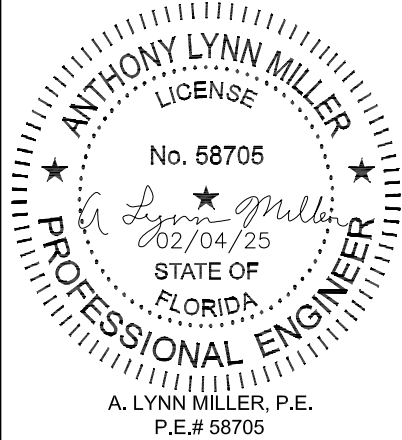


TABLE 5:

Anchors Allowed: A, B, C, D or E		Design Pressure (+/-, psf)														Glass Type 3: 7/8" Lami IG: 1/8" HS Cap - 1/2" Airspace - 1/8" HS - 0.090" PVB Interlayer - 0.70mm ATG Glass Type 4: 7/8" Lami IG: 1/8" TP Cap - 1/2" Airspace - 1/8" HS - 0.090" PVB Interlayer - 0.70mm ATG															
		Long Side (in)																													
		62-3/8	66	69	72	73-3/16	75	78	81	84	87	90	93	96	99-3/16																
Short Side (in)	26	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70														
	28	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.1	+/-68														
	30	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-68	+/-65.9	+/-63.7	+/-61.6														
	32	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.5	+/-66.2	+/-63.4	+/-60.5	+/-57.6														
	34	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.8	+/-66.6	+/-63.4	+/-59.4	+/-56.2														
	36	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-67.7	+/-64.4	+/-60.8	+/-56.9														
	38	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-68.8	+/-65.5	+/-62.3	+/-58.7														
	40	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.1	+/-66.2	+/-63.4															
	42	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.1																	
	44	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70																			
	46	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70																				
	48	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70																					
	50	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70																								
	52	+/-70	+/-70	+/-70	+/-70	+/-70																									
	53-3/16	+/-70	+/-70	+/-70	+/-70	+/-69.8		MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEET 3				MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4																			
	54	+/-70	+/-70	+/-70	+/-69.5																										
	56	+/-70	+/-70	+/-69.8				APPLIES TO A, B, C OR D ANCHORS				APPLIES TO E ANCHORS																			
58	+/-70	+/-70																													
60	+/-70						14-1/2"				4"																				
62-3/8	+/-67.7																														

- NOTES:
- 1) BUCK DIMENSIONS SHOWN.
- 2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.
- 3) FOR ARCHITECTURAL WINDOWS (SEE SHEET 2), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLE(S) ABOVE WHICH THE ARCHITECTURAL WINDOW WILL COMPLETELY FIT WITHIN.



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ALUM FIXED WDW - DIAMOND GLASS (LM)

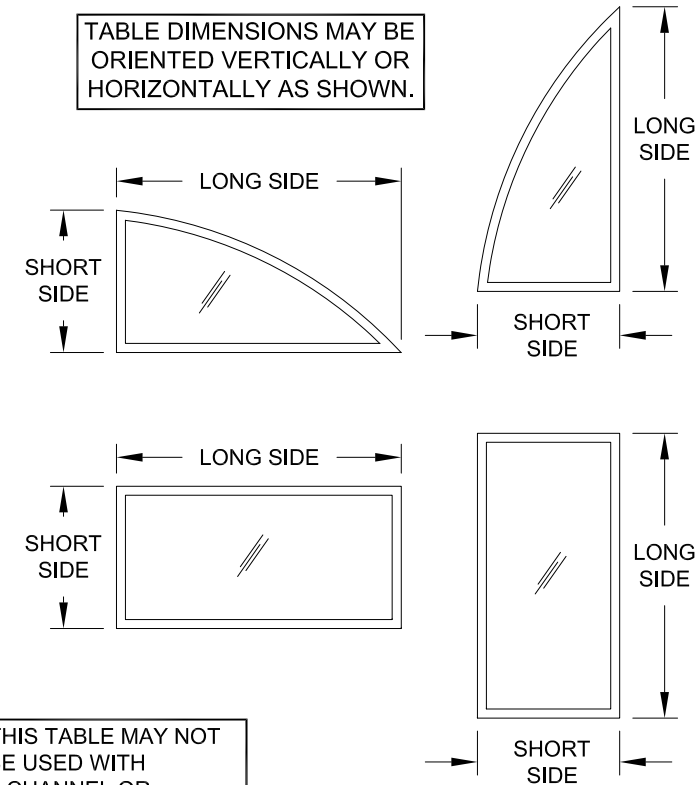
DESIGN PRESSURE TABLES

JENS ROSOWSKI

PW5520

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PW5520-DG

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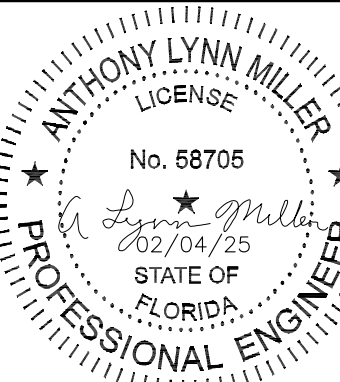
**THIS TABLE MAY NOT
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J-CHANNEL OR
INTEGRAL FIN FRAMES**

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**THIS TABLE MAY NOT
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1) BUCK DIMENSIONS SHOWN.
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.
3) FOR ARCHITECTURAL WINDOWS (SEE SHEET 2), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLE(S) ABOVE WHICH THE ARCHITECTURAL WINDOW WILL COMPLETELY FIT WITHIN.

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Title	ALUM FIXED WDW - DIAMOND GLASS (LM)				Date 02/04/25
DESIGN PRESSURE TABLES		Drawn By	JENS ROSOWSKI		
Series	PW5520	Sheet 7 OF 9	DWG No.	PW5520-DG	



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 No. 58705
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 PROFESSIONAL ENGINEER

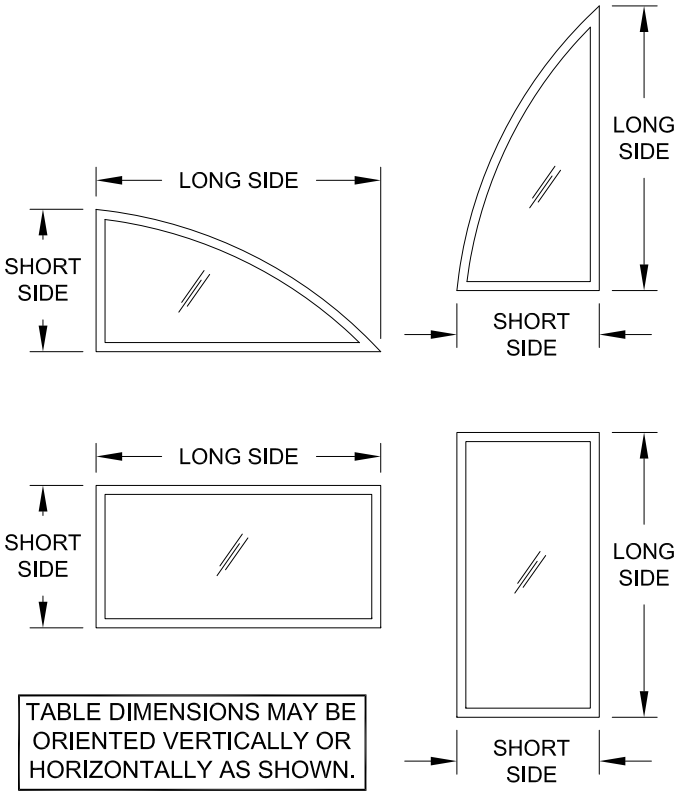
A. LYNN MILLER, P.E.
 P.E.# 58705

TABLE 8:

Anchors Allowed: B, C, D		Design Pressure (+/-, psf)															
		Glass Type 8: 1" Lami IG: 3/16" HS Cap - 1/2" Airspace - 3/16" HS - 0.090" PVB Interlayer - 0.70mm ATG Glass Type 9: 1" Lami IG: 3/16" TP Cap - 1/2" Airspace - 3/16" HS - 0.090" PVB Interlayer - 0.70mm ATG															
		Long Side (in)															
Short Side(in)	Max. O.C. 12"	70.5	74	78	82	86	90	94	97-3/16	98	102	106	110	114	118	122	127-3/16
	36	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80
	38	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-78.8	+70/-76.7
	40	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-77.4	+70/-74.9	+70/-73.4	
	42	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-76.7	+70/-74.2	+70/-72		
	44	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-79.9	+70/-75.6				
	46	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80					
	48	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80						
	50	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80							
	51-3/16	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80								
	52	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80									
	54	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80										
	56	+70/-80	+70/-80	+70/-80	+70/-80	+70/-80					MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEET 3 APPLIES TO B, C OR D ANCHORS		MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4 N/A				
	60	+70/-80	+70/-80	+70/-80	+70/-80												
	62	+70/-80	+70/-80	+70/-80													
	66	+70/-80	+70/-80														
	70-1/2	+70/-80															

THIS TABLE MAY NOT
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J-CHANNEL OR
● INTEGRAL FIN FRAMES

- NOTES:
- 1) BUCK DIMENSIONS SHOWN.
- 2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.
- 3) FOR ARCHITECTURAL WINDOWS (SEE SHEET 2), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLE(S) ABOVE WHICH THE ARCHITECTURAL WINDOW WILL COMPLETELY FIT WITHIN.



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ALUM FIXED WDW - DIAMOND GLASS (LM)

DESIGN PRESSURE TABLES

02/04/25

By JENS ROSOWSKI

Drawn

Series

Desc.

Sheet

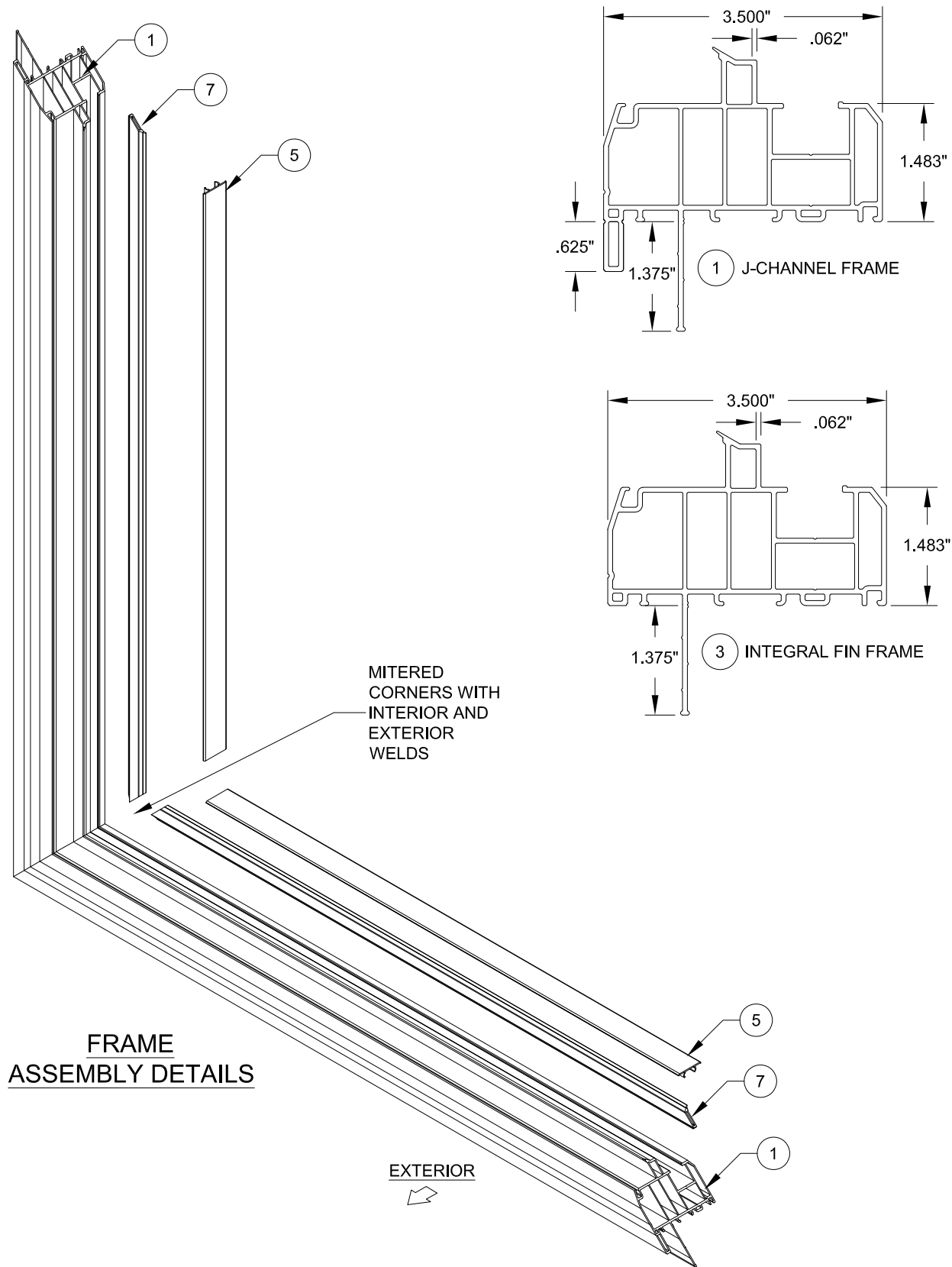
DWG

No.

PW5520-DG

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No. 58705
02/04/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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



FRAME
ASSEMBLY DETAILS

TABLE 9:

#	Part #	Description	Material
1	620117	J-channel Frame	PVC
2	620118	Flange Frame	PVC
3	620119	Integral Fin Frame	PVC
4	620120	Equal Leg/Box Frame	PVC
5	620133	Anchor Cover	PVC
6	720136	7/8" 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	Varies	TPS, SuperSpacer or Metal Spacer	Varies

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

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ALUM FIXED WDW - DIAMOND GLASS (LM)

BOM & EXTRUSIONS

Series Desc. Title

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DWG No. 9 OF 9

Sheet PW5520

Rev. PW5520-DG

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