

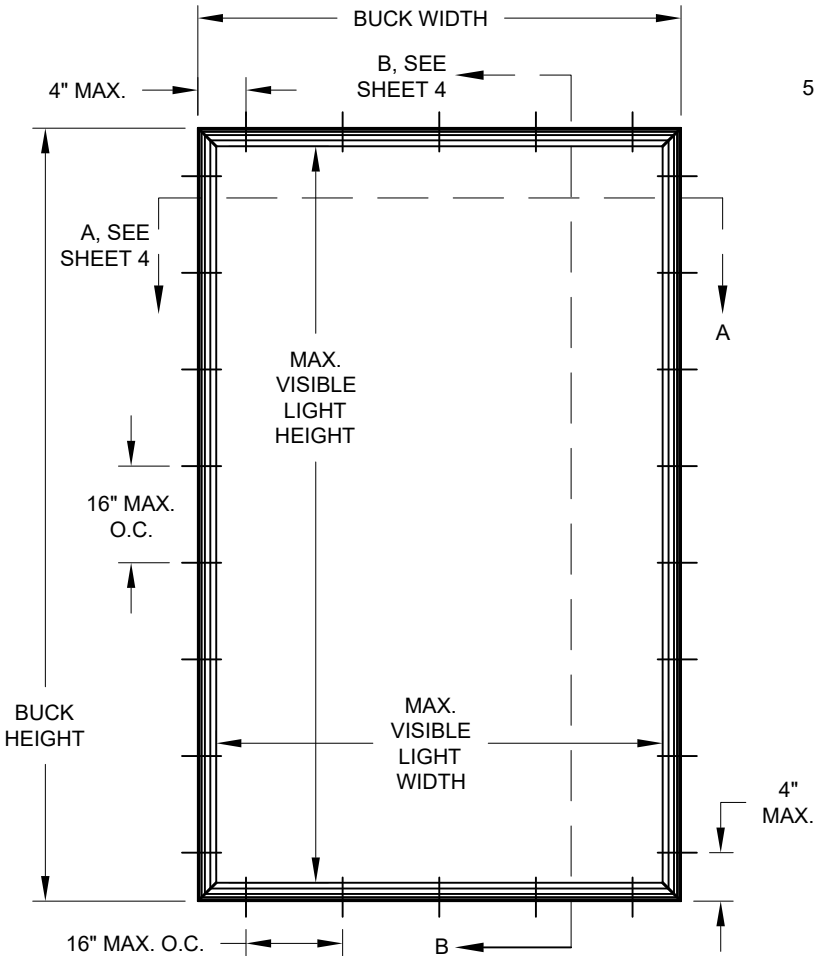
SERIES 1620 VINYL IMPACT RESISTANT FIXED WINDOW

FLORIDA PRODUCT APPROVAL #47081

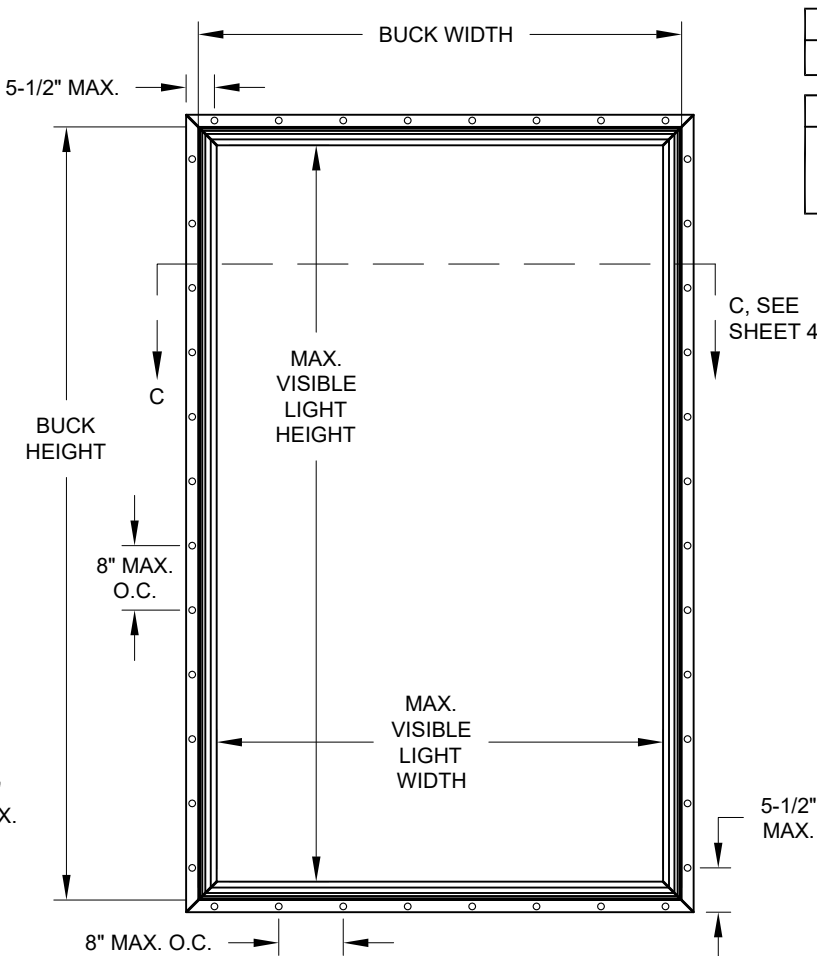
- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS. FOR INSULATED GLASS INSTALLATIONS ABOVE 30' IN THE HVHZ, THE OUTBOARD LITE (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.
- 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/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.
- 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 FINS MAY BE TRIMMED IN-FIELD TO CREATE A FINLESS 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.

ALL TEMPERED AND/OR LAMINATED GLASS OPTIONS IN THIS APPROVAL HAVE BEEN CERTIFIED BY THE SGCC FOR COMPLIANCE TO ANSI Z97.1, CLASS A AND CPSC 16 CFR 1201, CATEGORY II. THIS INCLUDES LAMINATED GLASS THAT IS MANUFACTURED WITH ANNEALED GLASS PLIES.

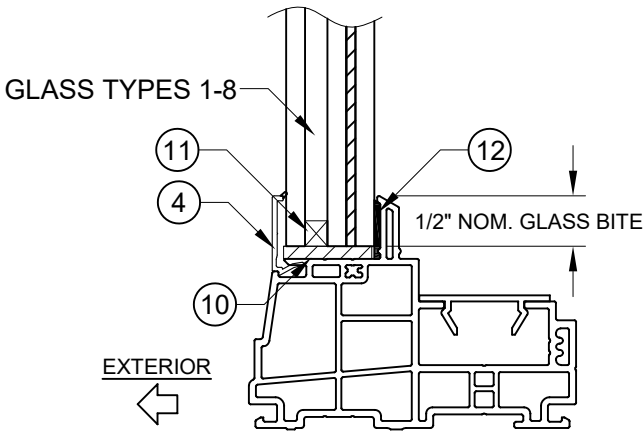
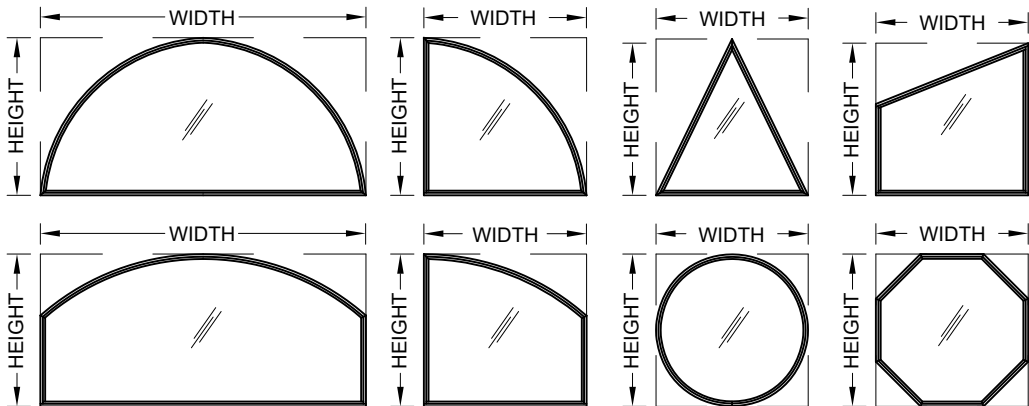


ELEVATION FOR TYP. FINLESS & FLANGE FRAME



ELEVATION FOR TYP. FIN FRAME

SHAPES AS SHOWN BELOW, OR SIMILAR, MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK SIZE GIVEN BY MAXIMUM WIDTH AND MAXIMUM HEIGHT FOR EACH GLASS TYPE SHOWN ON THIS PAGE.



GLAZING DETAIL FOR GLASS TYPES, SEE SHEET 3

DESIGN PRESSURE RATING VARIES, SEE TABLES 5-8
WATER TEST PRESSURE 15% OF (+) DP
IMPACT RATING LARGE AND SMALL MISSILE IMPACT RESISTANT MISSILE LEVEL D

PREPARED BY A. LYNN MILLER 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 COPYRIGHT © 2026 MI WINDOWS AND DOORS, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	7/24/26 Date	COLTON KEMPFF By	1620PW-LM-HVHZ
MI [®] WINDOWS and DOORS 650 WEST MARKET STREET GRATZ, PA 17030 (717) 365-3300	VINYL FIXED WINDOW (LM)	ELEVATION & GENERAL NOTES	1 OF 4	1620 PW

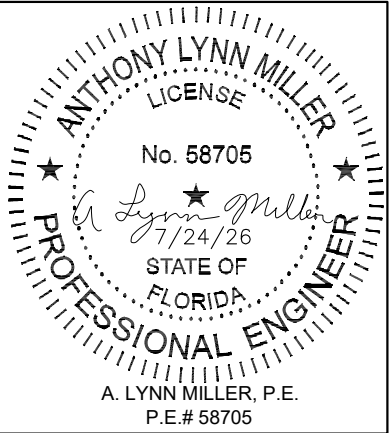


TABLE 1: WINDOW ANCHORS FOR FLANGE OR FINLESS FRAMES.

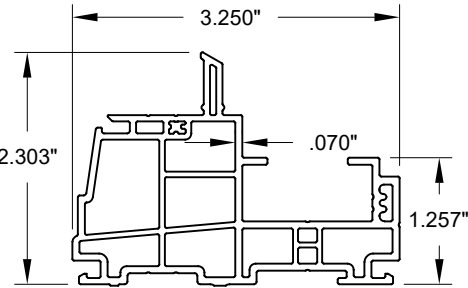
Anchor	Substrate	Min. Edge Distance	Minimum Embedment
#8 Carbon Steel SMS	Southern Pine (SG=0.55)	7/16"	1-3/8"
#12 SMS Carbon Steel or 18-8, 316, 410 SS	Southern Pine (SG=0.55)	9/16"	1-3/8"
	Steel, A36	3/8"	0.0346" (20 Ga.)
	Steel Stud, A653 Gr. 33	3/8"	0.0346" (20 Ga.)
	Aluminum, 6063-T5	3/8"	0.050"
3/16" Steel Ultracon+	Southern Pine (SG=0.55)	1/2"	1-3/8"
	Concrete (min. 3.00 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
1/4" 304 SS Aggre-Gator	Southern Pine (SG=0.55)	1"	1-3/8"
	Concrete (min. 2.22 ksi)	1-1/2"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	2"	1-1/4"
1/4" 410 SS Creteflex	Southern Pine (SG=0.55)	1"	1-3/8"
	Concrete (min. 3.35 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"

TABLE 2: WINDOW ANCHORS FOR FIN FRAMES.

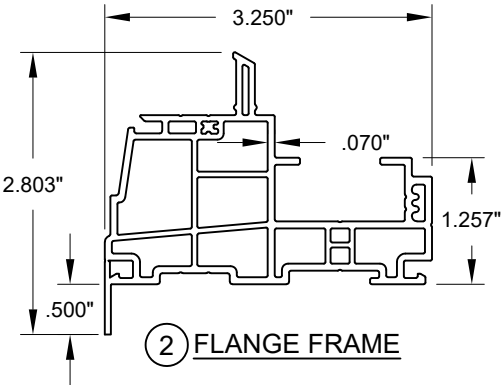
Anchor	Substrate	Min. Edge Distance	Minimum Embedment
2-1/2" x 0.131" Ring-Shank Nail	Southern Pine (SG=0.55)	3/8"	2-7/16"
#10 SMS Carbon Steel or 18-8, 316, 410 SS	Southern Pine (SG=0.55)	1/2"	1-3/8"
	Steel, A36	5/16"	0.0346" (20 Ga.)
	Steel Stud, A653 Gr. 33	5/16"	0.0346" (20 Ga.)
	Aluminum, 6063-T5	7/16"	0.078"

TABLE 4: BILL OF MATERIALS

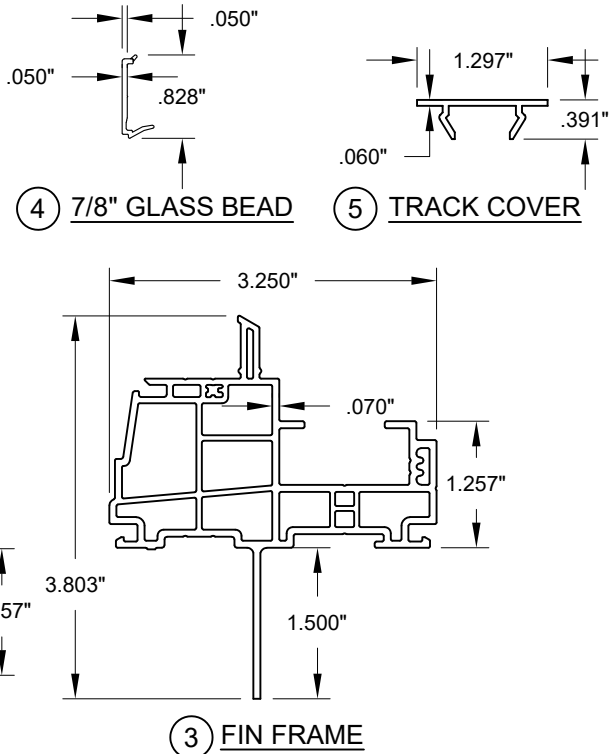
#	Part #	Description	Material
1	V010080C	Finless Frame	PVC
2	CS-000406	Flange Frame	PVC
3	V100700C	Fin Frame	PVC
4	V108300C	7/8" IG Glazing Bead	PVC
5	V010580C	Track Cover	PVC
10		Setting Block	EPDM
11	TPS, Metal or Composite Spacer System		varies
12	Pecora 896 or RGS 7700 Backbedding		Silicone



1 FINLESS FRAME



2 FLANGE FRAME



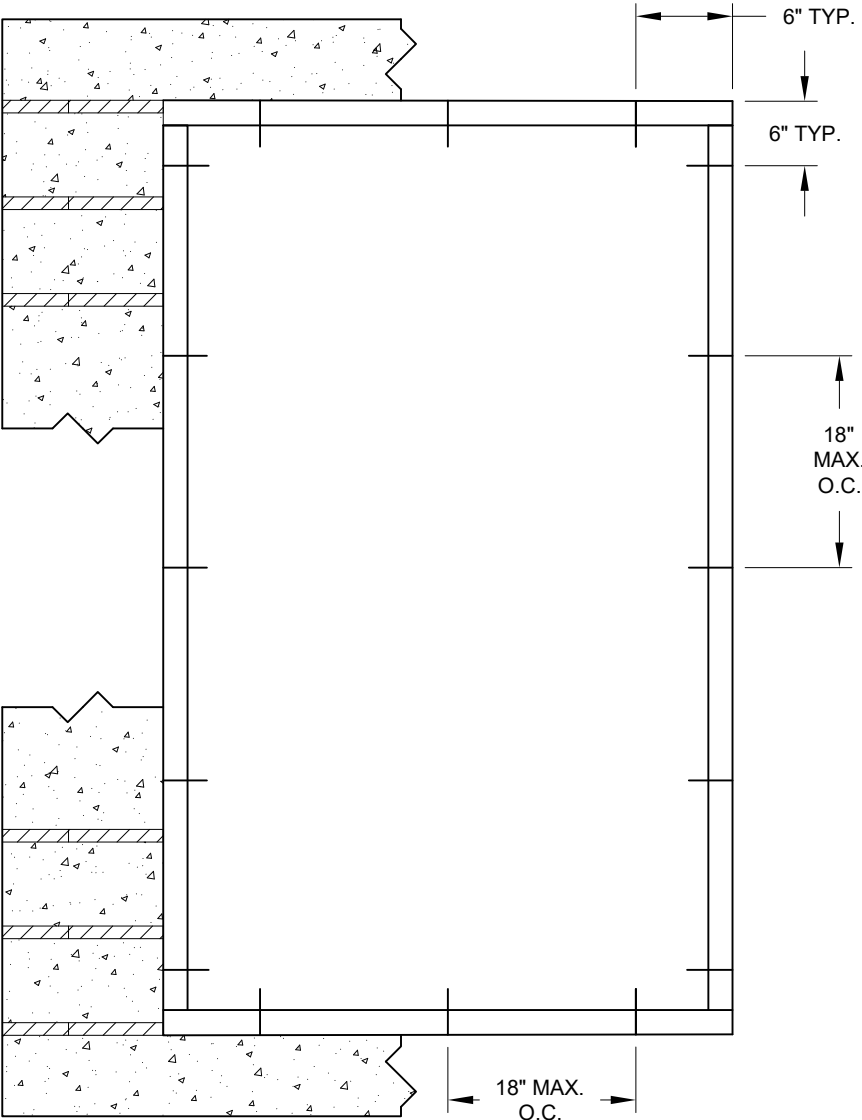
3 FIN FRAME

ANCHOR NOTES:

- 1) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
2) MIN. OF 3 THREADS BEYOND METAL SUBSTRATE.
3) 18-8 FASTENERS SHALL BE MANUFACTURED FROM TYPE 304 OR 305 STAINLESS STEEL PER ASTM A240.
4) ALL SCREWHEAD TYPES ARE APPLICABLE.

TABLE 3: BUCK ANCHORS

Anchor	Substrate	Min. Edge Distance	Minimum Embedment
3/16" Steel Ultracon+	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
	Concrete (min. 3.0 ksi)	2-1/2"	1-3/8"
1/4" Steel Ultracon+	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	Concrete (min. 3.0 ksi)	1"	1-3/8"
1/4" 410 SS Crete-Flex	UngROUTED CMU, (ASTM C-90)	1-3/4"	1-1/4"
	Concrete (min. 3.35 ksi)	1-3/4"	1-3/8"
1/4" 304 SS Aggre-Gator	UngROUTED CMU, (ASTM C-90)	2"	1-1/4"
	Concrete (min. 2.22 ksi)	1-1/2"	1-3/8"



BUCK ANCHORAGE DETAIL
ANCHORS PER TABLE 3

PREPARED BY A. LYNN MILLER
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650 WEST MARKET STREET
GRATZ, PA 17030
(717) 365-3300

VINYL FIXED WINDOW (LM)

ANCHOR AND BUCK DETAILS

1620 PW

7/24/26

COLTON KEMPFF

1620PW-LM-HVHZ

2 OF 4

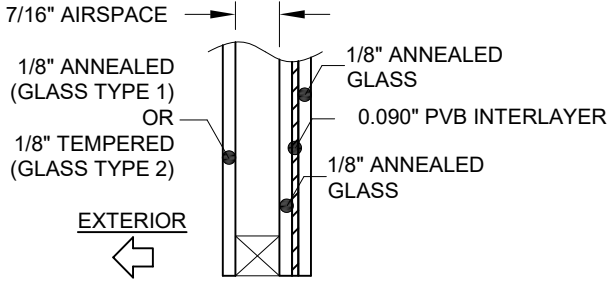
1620 PW

ANTHONY LYNN MILLER
LICENSE
No. 58705
7/24/26
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 5:

		Window Design Pressure (+/-, psf) using Glass Types 1 or 2						
		Long Side (in)						
		49"	54"	60"	63"	72"	78"	83-5/8"
Short Side (in)	24"	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65
	30"	+50/-65	+50/-65	+50/-65	+50/-65	+50/-62.6 *	+50/-58.9 *	
	38-1/8"	+50/-65	+50/-65	+50/-65	+50/-62.9 *			
	42"	+50/-65	+50/-65					
	49"	+50/-65						

* +50 / -65 IF USING GLASS TYPE 2.



GLASS TYPES 1 & 2
7/8" NOM. IG

TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

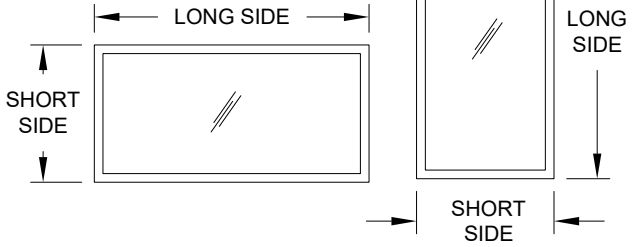
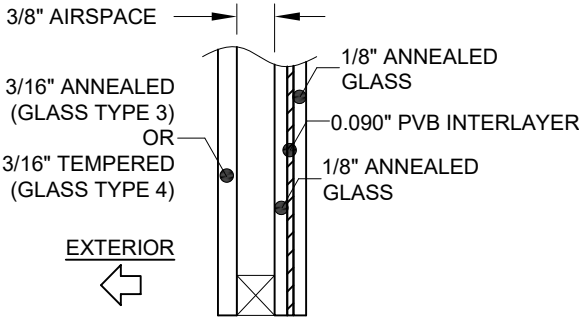


TABLE 6:

		Window Design Pressure (+/-, psf) using Glass Types 3 or 4								
		Long Side (in)								
		58-15/16"	60"	63"	72"	78"	84"	90"	96"	103-5/8"
Short Side (in)	24"	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65
	30"	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65
	36"	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-64.9 *	+50/-60 *	+50/-56.4 **	
	42"	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65				
	48"	+50/-65	+50/-65	+50/-65	+48.5/-63					
	55-1/4"	+50/-65	+50/-65	+50/-65						
	58-15/16"	+50/-65								

* +50 / -65 IF USING GLASS TYPE 4.

** +50 / -62.7 IF USING GLASS TYPE 4.



GLASS TYPES 3 & 4
7/8" NOM. IG

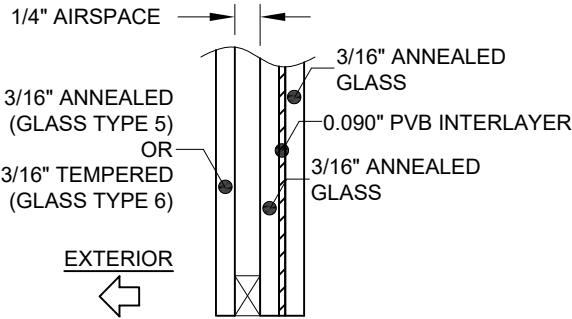
FOR INSTALLATIONS ABOVE 30 FEET IN THE HVHZ, THE OUTBOARD LITE (CAP) MUST BE TEMPERED.

TABLE 7:

		Window Design Pressure (+/-, psf) using Glass Types 5 or 6									
		Long Side (in)									
		67-11/16"	72"	78"	85"	90"	96"	103-5/8"	108"	114"	120"
Short Side (in)	36"	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65 **	+50/-65 **	+50/-65 **
	42"	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-64.0 *	+50/-62.5 **		
	48"	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65					
	54"	+50/-65	+50/-65	+50/-65	+50/-65						
	60"	+50/-65	+50/-65								
	67-11/16"	+50/-65									

* +50 / -65 IF USING GLASS TYPE 6.

** THIS SIZE MUST USE GLASS TYPE 6.

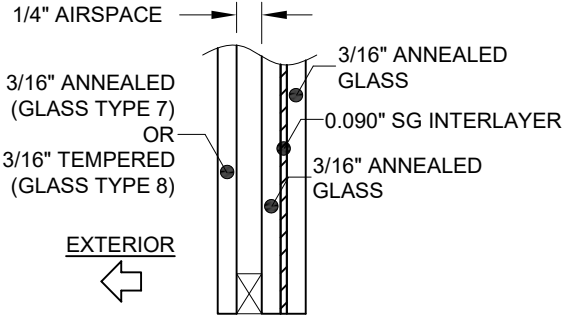


GLASS TYPES 5 & 6
7/8" NOM. IG

TABLE 8:

		Window Design Pressure (+/-, psf) using Glass Types 7 or 8								
		Long Side (in)								
		75-7/8"	78"	84"	90"	96"	103-5/8"	108"	114"	120"
Short Side (in)	48"	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65 **	+50/-65 **	+50/-65 **
	54"	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65	+50/-65 **			
	60"	+50/-65	+50/-65	+50/-65	+50/-65 **	+50/-65 **				
	66"	+50/-65	+50/-65	+50/-65 **						
	72"	+50/-65 **	+50/-65 **							
	75-7/8"	+50/-65 **								

** THIS SIZE MUST USE GLASS TYPE 8.



GLASS TYPES 7 & 8
7/8" NOM. IG

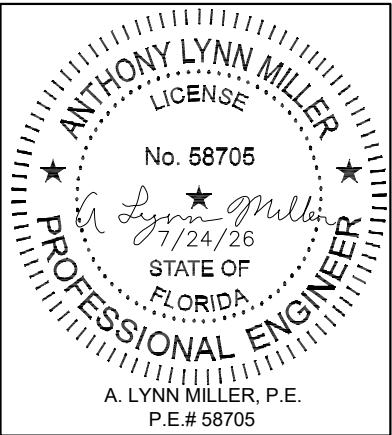
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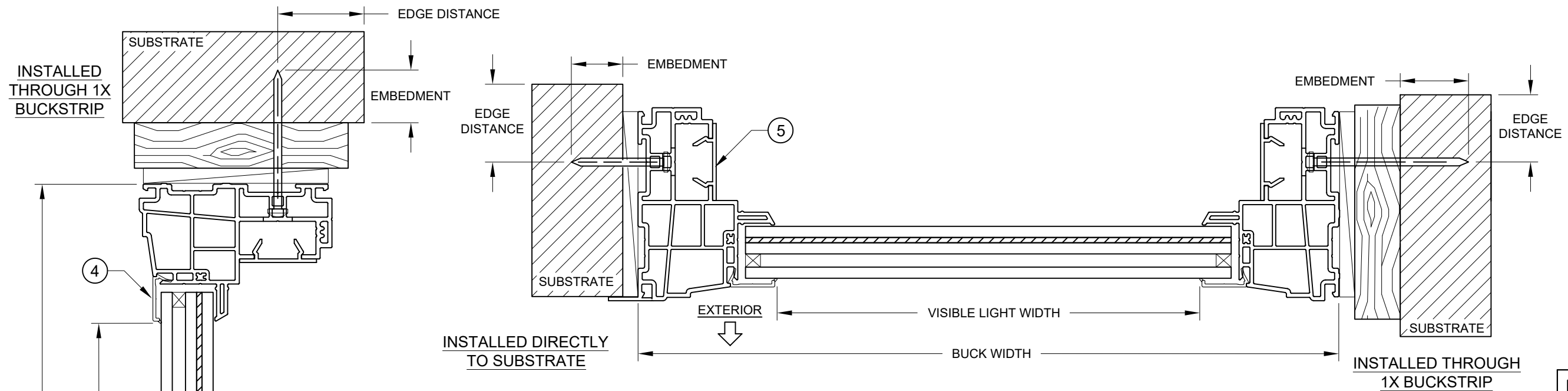
1) BUCK DIMENSIONS SHOWN.

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

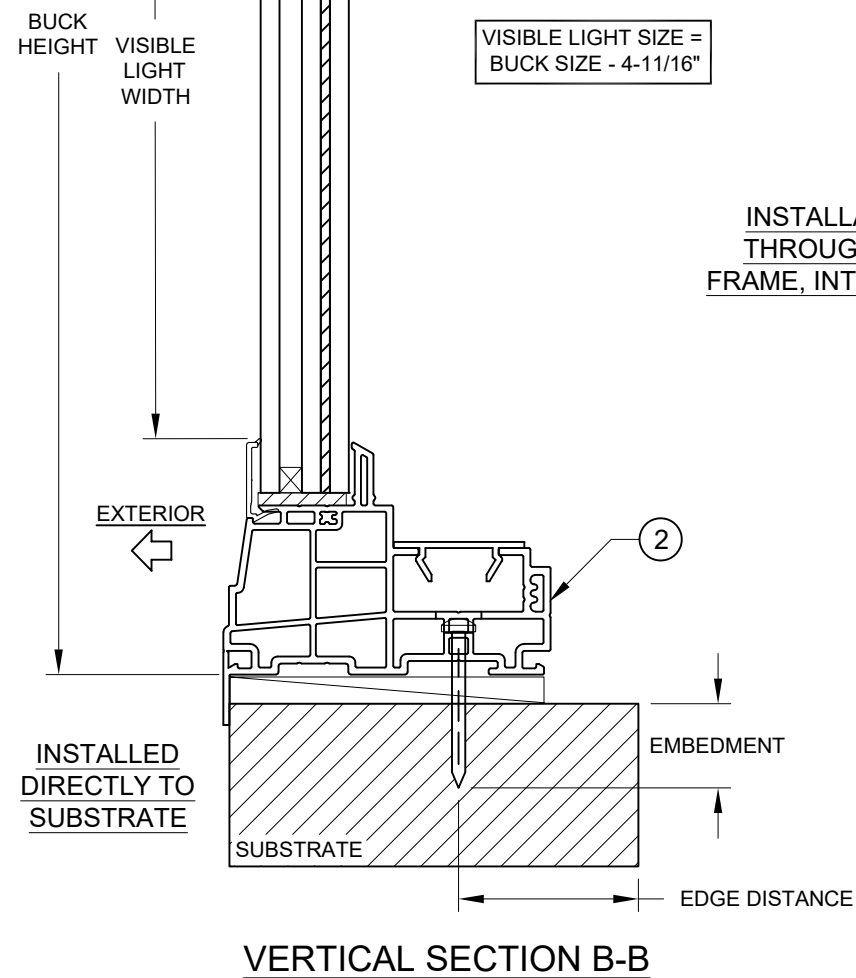
3) FOR ARCHITECTURAL SHAPE WINDOWS (SEE SHEET 1), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLE(S) WHICH THE ARCHITECTURAL SHAPE WINDOW WILL COMPLETELY FIT WITHIN.

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Series		1620 PW		Sheet	3 OF 4		DWG No.	1620PW-LM-HVHZ		
Desc.		DP AND GLAZING DETAILS		COLTON KEMPFF			By	Date	7/24/26	
Title		VINYL FIXED WINDOW (LM)								

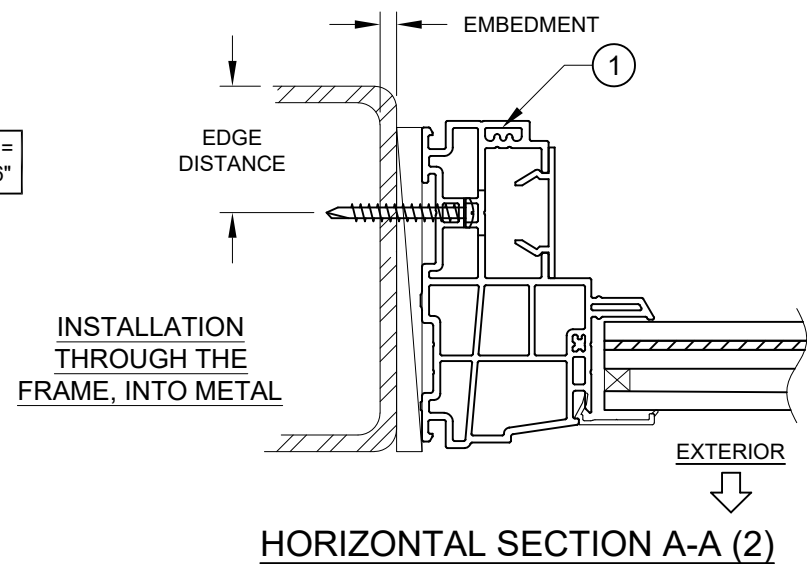




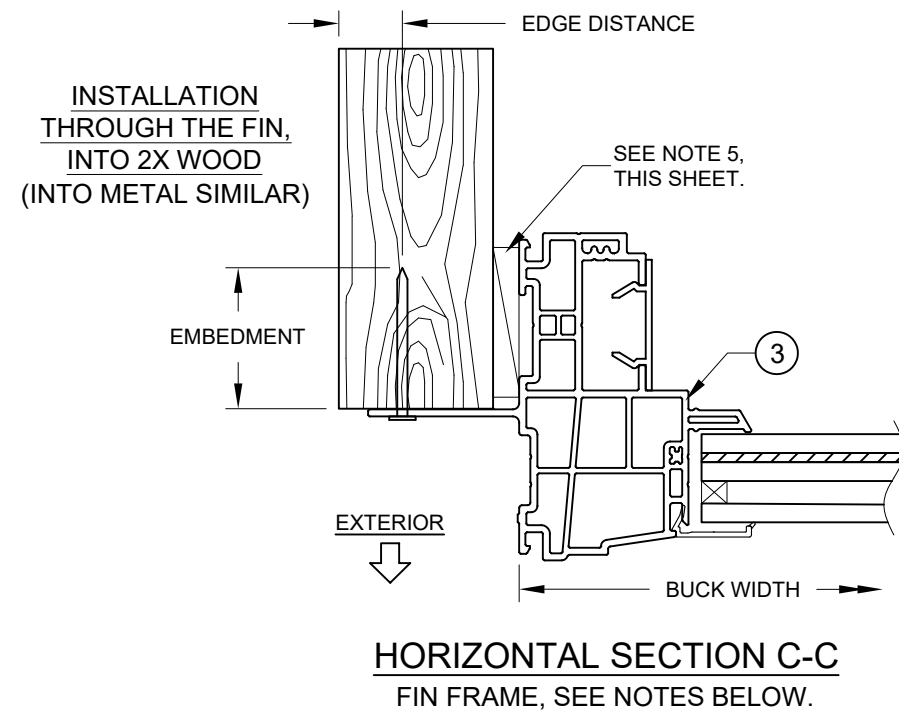
HORIZONTAL SECTION A-A



VERTICAL SECTION B-B



HORIZONTAL SECTION A-A (2)



HORIZONTAL SECTION C-C
FIN FRAME, SEE NOTES BELOW.

INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
- 2) SEE TABLES 1 OR 2 ON SHEET 2 FOR ANCHORAGE AND SUBSTRATE REQUIREMENTS.
- 3) MAXIMUM SHIM THICKNESS TO BE 1/4".
- 4) MULTIPLE INSTALLATIONS SCENARIOS SHOWN, ANY OF WHICH MAY BE USED AT ANY FRAME MEMBER.

MI[®] WINDOWS and DOORS 650 WEST MARKET STREET GRATZ, PA 17030 (717) 365-3300		PREPARED BY A. LYNN MILLER 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	
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1620 PW		1620PW-LM-HVHZ	
INSTALLATION DETAILS		COLTON KEMPFF	
SHEET 1620 PW		DWG No. 4 OF 4	
DATE 7/24/26		BY	

ANTHONY LYNN MILLER
LICENSE
No. 58705
7/24/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705