

**GENERAL NOTES: SERIES 5420
NON-IMPACT RESISTANT, VINYL FIXED
WINDOW**

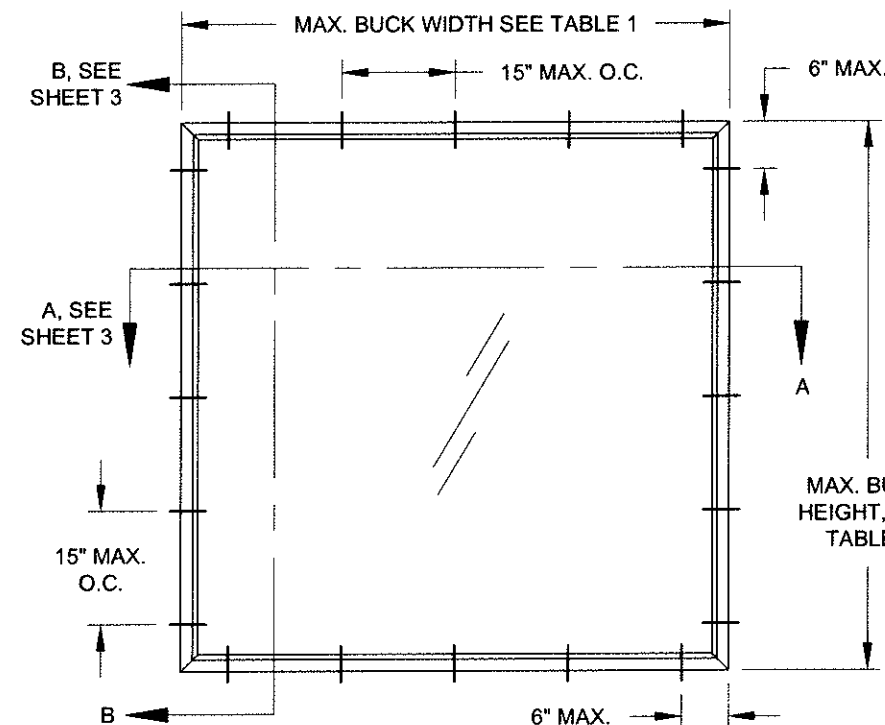
1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.

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, (EOR) OR ARCHITECT OF RECORD, (AOR).

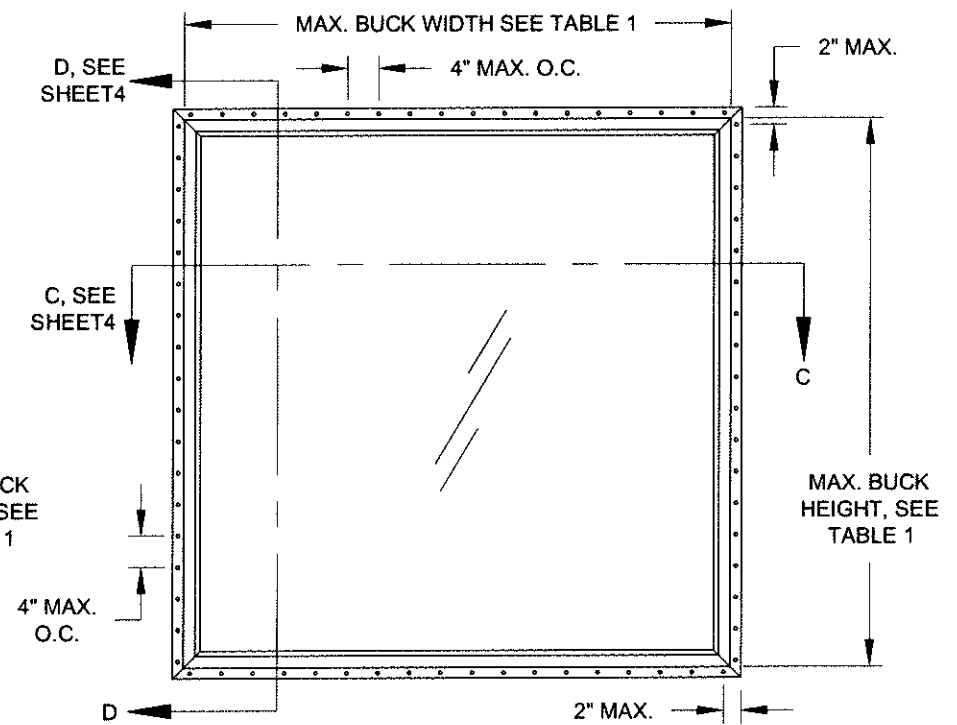
3) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT EMBEDMENT. INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

4) 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.

5) 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.



**TYP. EQUAL-LEG/BOX & FLANGE
FRAME (SHAPES SIMILAR)**

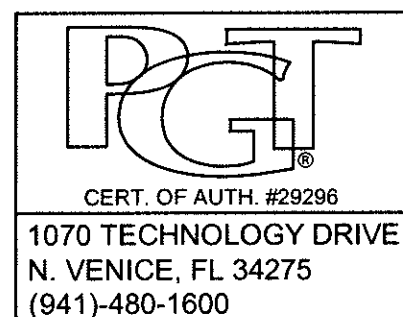


**TYP. INTEGRAL FIN & J-CHANNEL
FRAME (SHAPES SIMILAR)**

SHAPES MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK AND OBTAINING DESIGN PRESSURES FOR THAT BLOCK SIZE FROM THE TABLE ON THIS SHEET.

TABLE 1:

Window Buck Size		Design Pressure		Certification (CAR) Number
Width	Height	(+) psf	(-) psf	
120"	60"	70.0	70.0	190-1017
96"	63"	50.0	50.0	190-1011



Title		VINYL FIXED WINDOW FPA (NON-IMPACT)		Date	12/13/14
Desc.		GENERAL NOTES & ELEVATIONS		Drawn By	J ROSOWSKI
Rev 1				Rev 1 Date	
Rev 2				Rev 2 Date	
Series	PW-5420	Scale	NTS	Sheet	1 OF 4
		DWG No.	FPA-5420.0	Rev. No.	

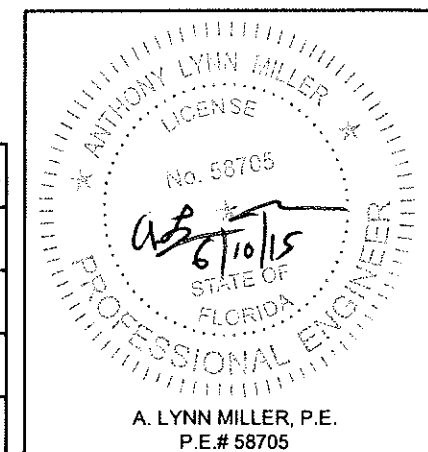


TABLE 2: ANCHORS INSTALLED THROUGH FRAME

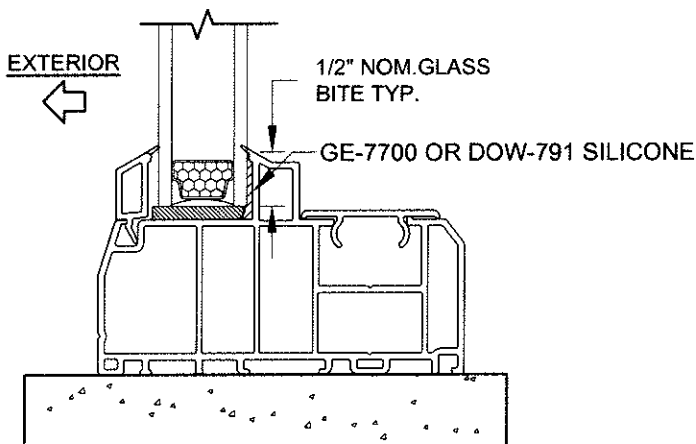
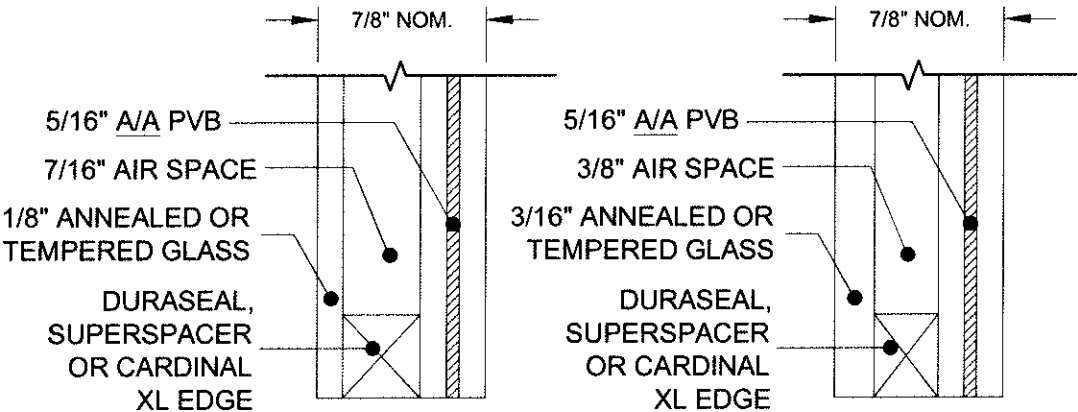
Anchor	Substrate	Min. Edge Distance	Min. Embedment
#10 SMS (steel, 18-8 S.S. or 410 S.S.) Max. DP of 50.0	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
	Steel, A36	3/8"	0.050"
	Steel Stud, A653 Gr. 33	3/8"	0.0346" (20 Ga.)
	Aluminum, 6063-T5	3/8"	0.0713" (14 Ga.)
#12 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=0.55)	9/16"	1-3/8"
	Steel, A36	3/8"	0.050"
	Steel Stud, A653 Gr. 33	3/8"	0.0346" (20 Ga.)
	Aluminum, 6063-T5	3/8"	0.0713" (14 Ga.)
3/16" Ultracon (steel) Max. DP of 50.0	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
	Concrete (min. 2.85 ksi)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
1/4" Ultracon (steel)	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	Concrete (min. 2.85 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
1/4" Crete-Flex (410 S.S.)	P.T. 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"
1/4" Aggre-Gator (18-8 S.S.)	Concrete (min. 3.275 ksi)	1-1/2"	1-3/8"
	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	2"	1-1/4"

TABLE 3: ANCHORS INSTALLED THROUGH INTEGRAL FIN

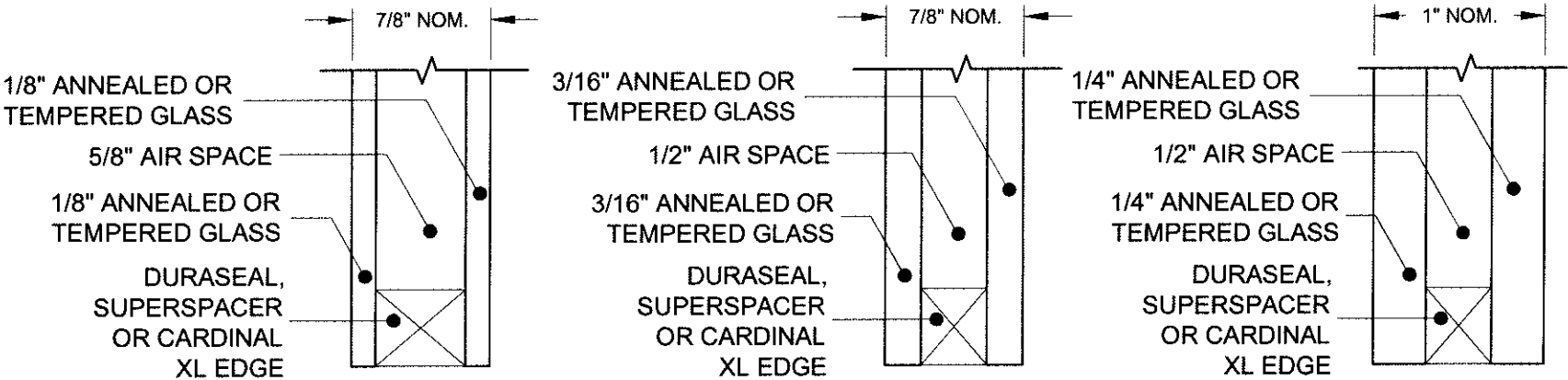
Anchor	Substrate	Min. Edge Distance	Min. Embedment
2-1/2" x .131" Common Nail Max. DP of 50.0	P.T. Southern Pine (SG=.55)	9/16"	2-7/16"
	P.T. Southern Pine (SG=.55)	9/16"	2-7/16"
	P.T. Southern Pine (SG=.55)	9/16"	2-7/16"
	P.T. Southern Pine (SG=.55)	3/4"	1-3/8"
#10 SMS (steel, 18-8 S.S. or 410 S.S.)	Aluminum, 6063-T5	3/8"	0.050"
	Steel Stud, Gr. 33	3/8"	0.0346" (20 Ga.)
	Steel, A36	3/8"	0.050"

ANCHOR NOTES:

- 1) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- 2) PANHEAD, FLATHEAD OR HEXHEAD ARE ACCEPTABLE.
- 3) ANCHOR LENGTH TO BE SO THAT A MIN. OF 3 THREADS EXTEND BEYOND THE METAL SUBSTRATE.



TYP. GLAZING DETAIL



GLAZING TYPES

VISIBLE LIGHT FORMULAS

WIDTH: BUCK WIDTH - 4-5/16"
HEIGHT: BUCK HEIGHT - 4-5/16"

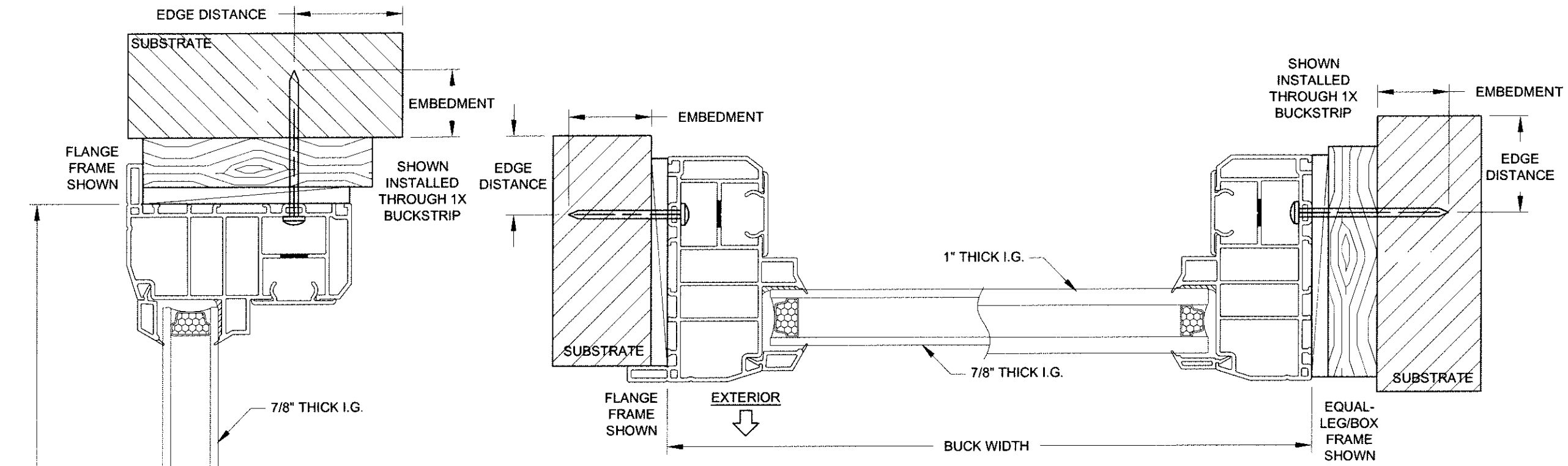
VISIBLE LIGHT WIDTH OR HEIGHT
(ALSO REFERRED TO AS DAYLIGHT
OPENING) IS MEASURED FROM
BEADING TO BEADING.



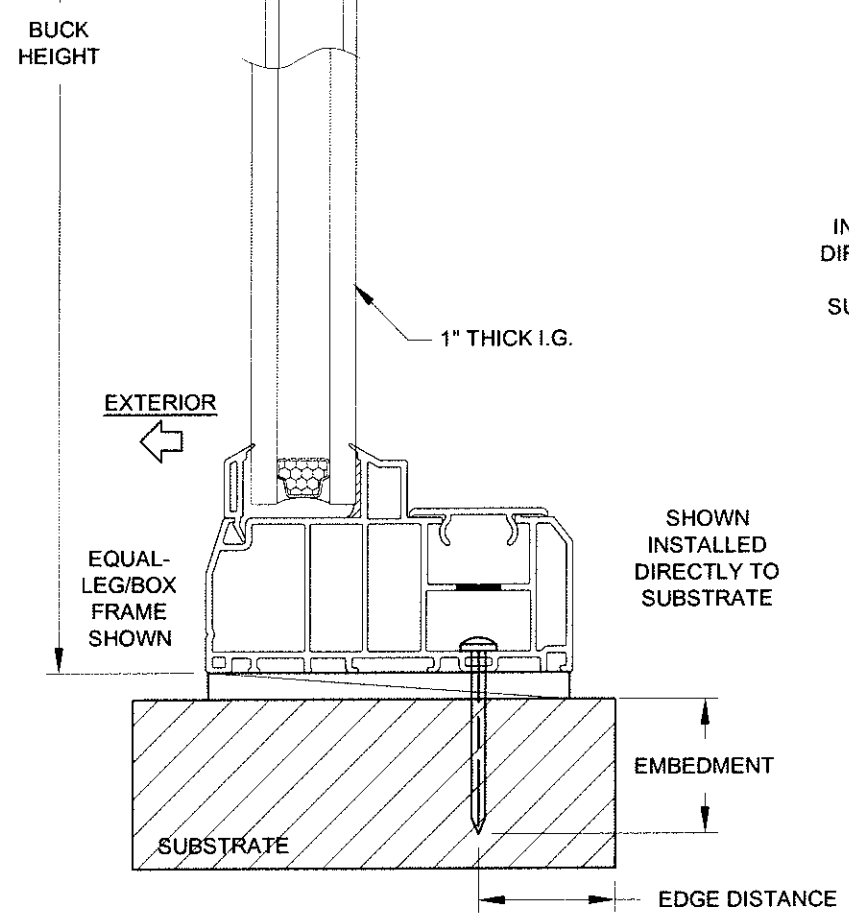
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

PVB INTERLAYER MANUFACTURED BY DUPONT INC. (AKA KURARAY AMERICA, INC.)

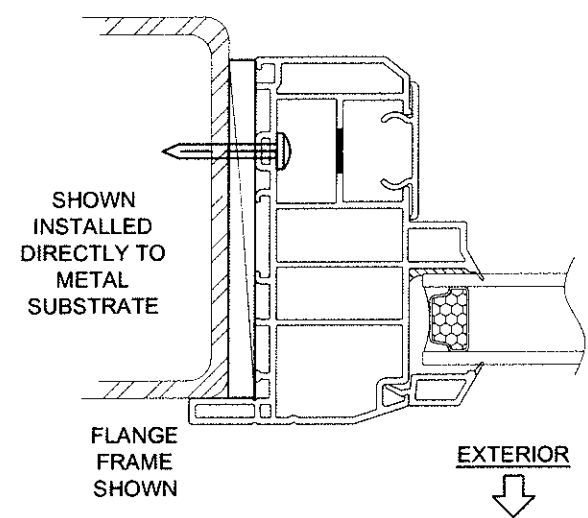
Series	PW-5420										Scale	NTS		Sheet	2 OF 4		DWG No.	FPA-5420.0		Rev. No.		
Rev 1																				Rev 1 Date		
Rev 2																				Rev 2 Date		
Desc.	GLASS/ANCHORS OPTIONS										Drawn By	J ROSOWSKI										
Title	VINYL FIXED WINDOW FPA (NON-IMPACT)										Date	12/13/14										



HORIZONTAL SECTION A-A



VERTICAL SECTION B-B



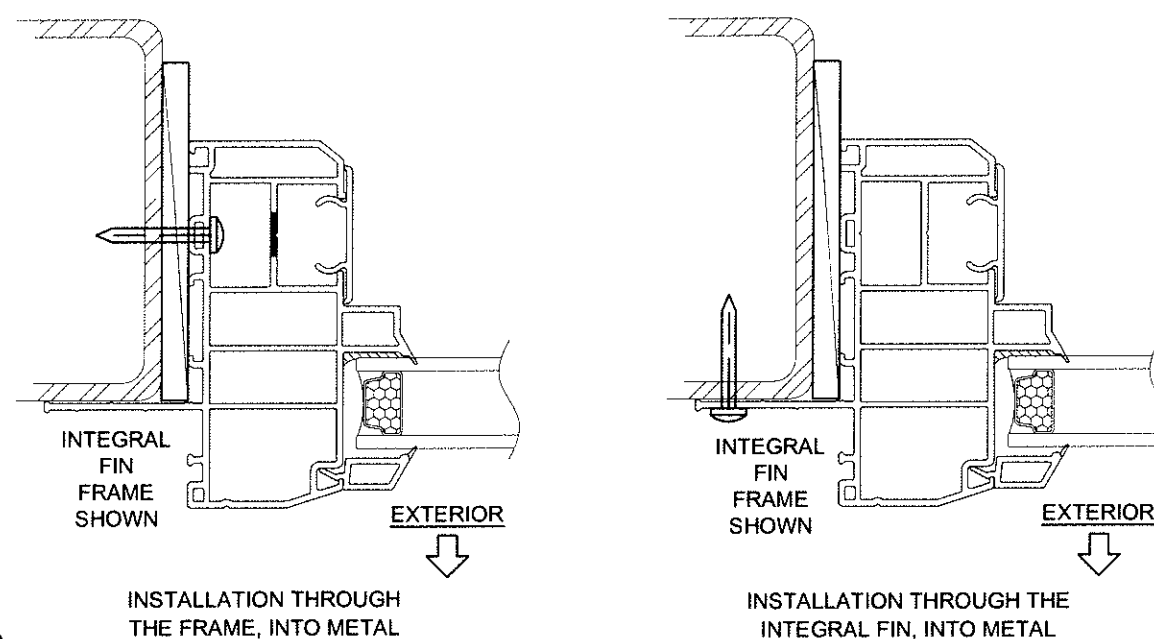
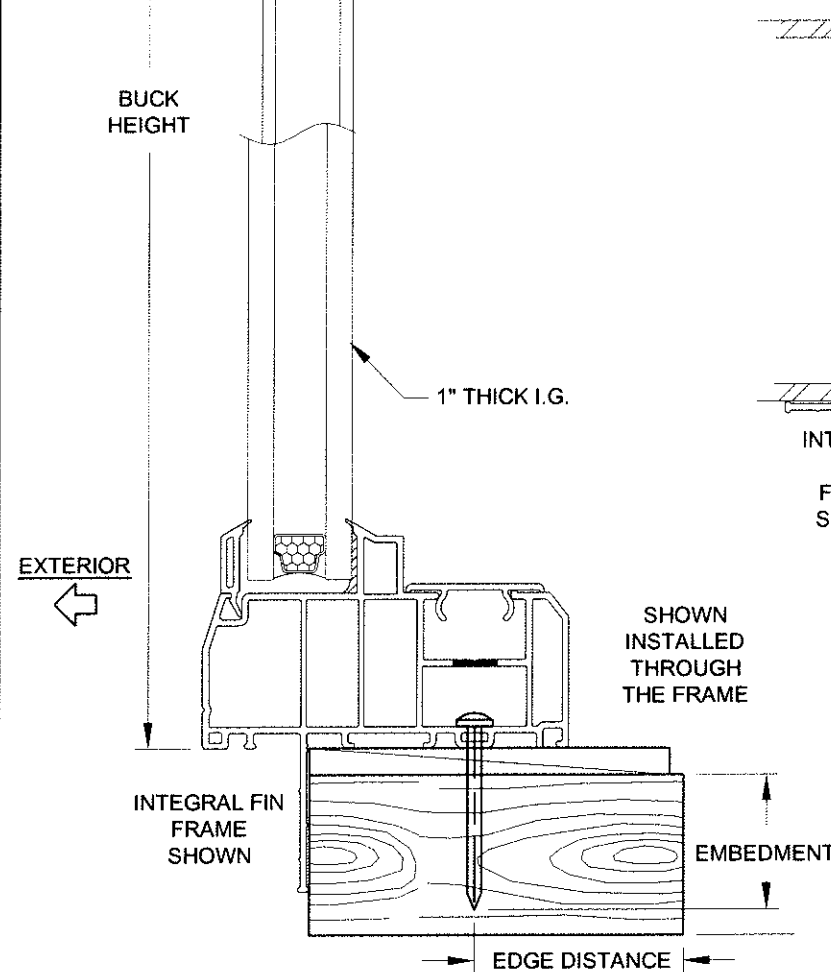
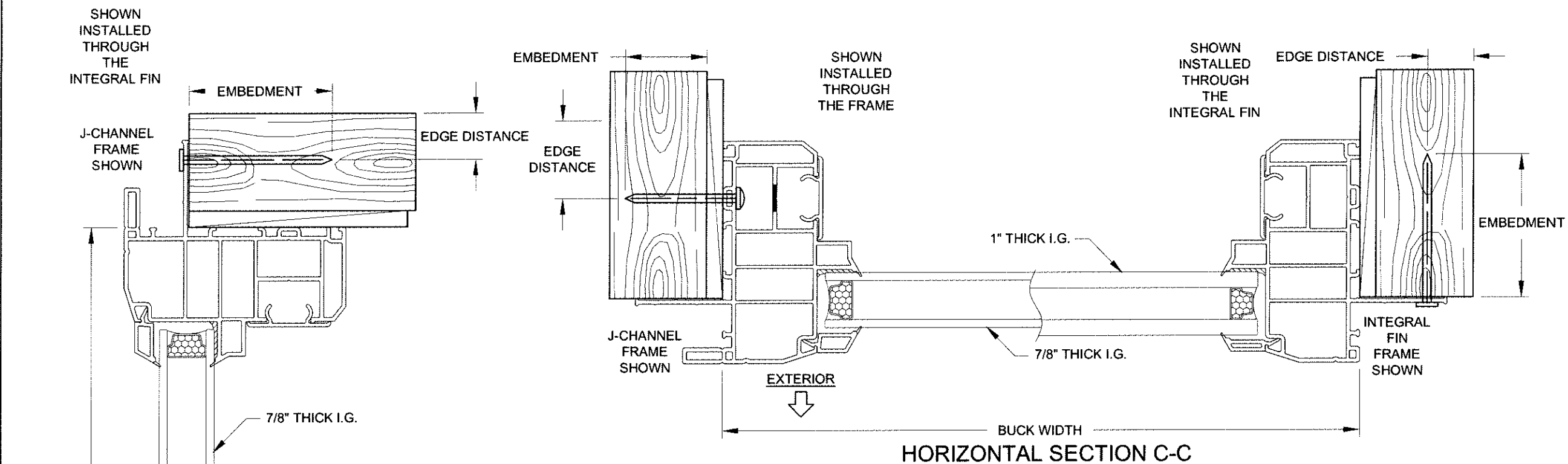
INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR SPACING REQUIREMENTS.
- 2) SEE TABLE(S) ON SHEET 2 FOR ANCHORAGE AND SUBSTRATE REQUIREMENTS.
- 3) MAX. SHIM THICKNESS TO BE 1/4".
- 4) GLASS SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND MAY DIFFER TO MEET DESIGN REQUIREMENTS.
- 5) FIN AND/OR FLANGE MAY BE REMOVED TO CREATE OTHER FRAME TYPES.

PGT
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Title		VINYL FIXED WINDOW FPA (NON-IMPACT)		Date		12/13/14	
Desc.		FLANGE & EQUAL-LEG/BOX FRAMES		Drawn By		J ROSOWSKI	
Rev 1				Rev 1 Date			
Rev 2				Rev 2 Date			
Series	PW-5420	Scale	NTS	Sheet	3 OF 4	DWG No.	FPA-5420.0
				Rev. No.			

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 6/10/15
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705



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Desc		J-CHANNEL & INTEGRAL FIN FRAMES		Drawn By	J ROSOWSKI
Rev 1				Rev 1 Date	
Rev 2				Rev 2 Date	
Series	PW-5420	Scale	NTS	Sheet	4 OF 4
DWG No		FPA-5420.0		Rev. No.	

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