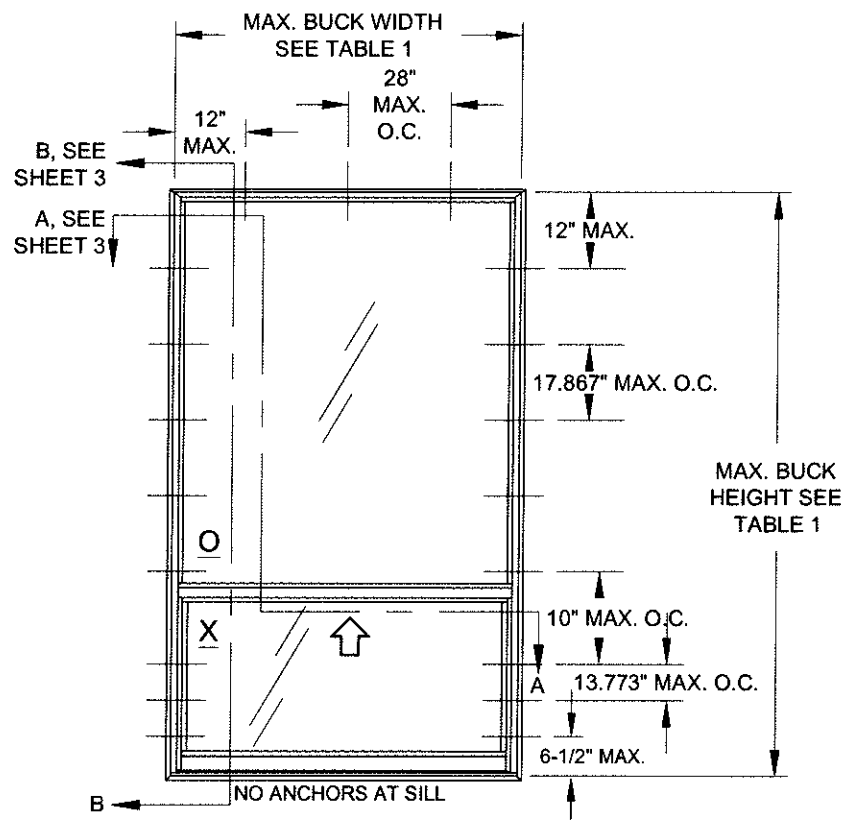
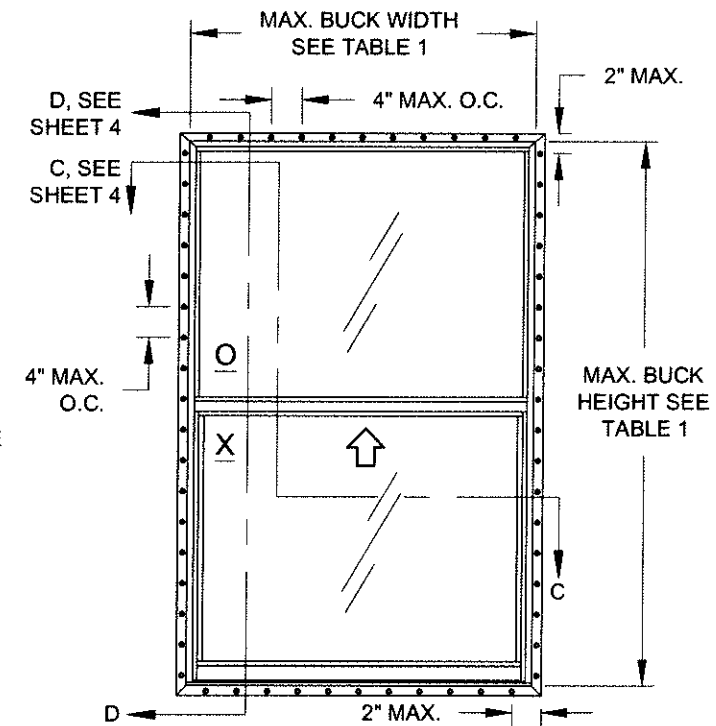


ELEVATION FOR TYP. EQUAL LEG FRAME,
EQUAL-LITE CONFIGURATION



ELEVATION FOR TYP. FLANGE FRAME,
PROVIEW/ORIEL CONFIGURATION
(COTTAGE SIMILAR)



ELEVATION FOR TYP. FIN OR J-CHANNEL FRAME,
EQUAL-LITE CONFIGURATION
(SIMILAR ANCHOR DIMENSIONS FOR OTHER CONFIGURATIONS)

**GENERAL NOTES: SERIES 5500 IMPACT RESISTANT, VINYL
SINGLE HUNG 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.

TABLE 1:

Window Buck Size		Configuration	Reinf. Level	Design Pressure		Certification (CAR) Number
Width	Height			(+) psf	(-) psf	
52-1/8"	84"	Equal-lite	R1	50.0	50.0	190-285, 1028
52-1/8"	84"	Std. ProView				
52-1/8"	91-13/16"	Custom Sash	R2	65.0	70.0	190-286, 1029
52-1/8"	84"	Equal-lite				
52-1/8"	84"	Std. ProView	R2	65.0	70.0	190-286, 1029
52-1/8"	91-13/16"	Custom Sash				

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.

Series	SH-5500	Scale	NTS	Sheet	1 OF 4	DWG No.	FPA-5500.0	Rev. No.	
Title	VINYL SH WINDOW FPA (IMP.-RESIST.)				Date	12/13/14			
Desc.	GENERAL NOTES & ELEVATIONS				Drawn By	J ROSOWSKI			
Rev 1		Rev 1		Rev 1		Rev 1		Rev 1	
Rev 2		Rev 2		Rev 2		Rev 2		Rev 2	

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

TABLE 2: ANCHORS INSTALLED THROUGH FRAME

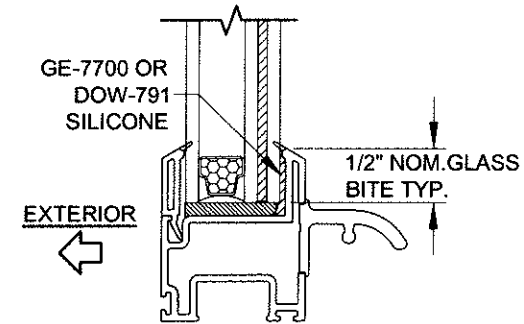
Anchor	Substrate	Min. Edge Distance	Min. Embedment
#10 SMS (steel, 18-8 S.S. or 410 S.S.) Max. DP of 50.0	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
	Steel, A36	3/8"	0.050"
	Steel Stud, A653 Gr. 33	3/8"	0.0346" (20 Ga.)
#12 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=0.55)	9/16"	1-3/8"
	Steel, A36	3/8"	0.050"
	Steel Stud, A653 Gr. 33	3/8"	0.0346" (20 Ga.)
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"
#10 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=.55)	3/4"	1-3/8"
	Aluminum, 6063-T5	3/8"	0.0713" (14 Ga.)
	Steel Stud, Gr. 33	3/8"	0.0346" (20 Ga.)
	Steel, A36	3/8"	0.050"

ANCHOR NOTES:

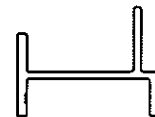
- "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- PANHEAD, FLATHEAD OR HEXHEAD ARE ACCEPTABLE.
- ANCHOR LENGTH TO BE SO THAT A MIN. OF 3 THREADS EXTEND BEYOND THE METAL SUBSTRATE.



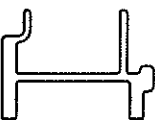
TYP. GLAZING DETAIL



REINFORCMENT TYPE A

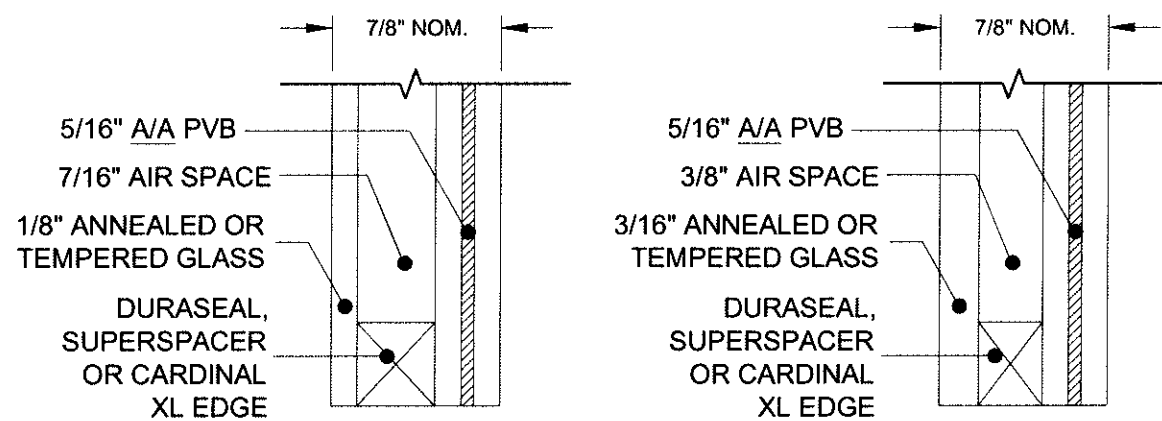
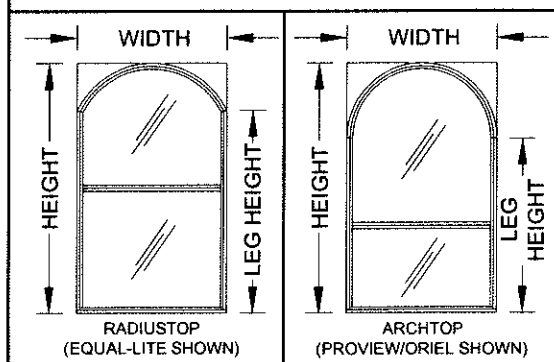


REINFORCMENT TYPE B



REINFORCMENT TYPE C

WINDOW SHAPES AS SHOWN BELOW OR SIMILAR, MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK AND OBTAINING DESIGN PRESSURES AND ANCHORAGE FOR THAT BLOCK SIZE FROM THE TABLE ON SHEET 1.



GLAZING TYPES

TABLE 4: REINFORCEMENT TYPES

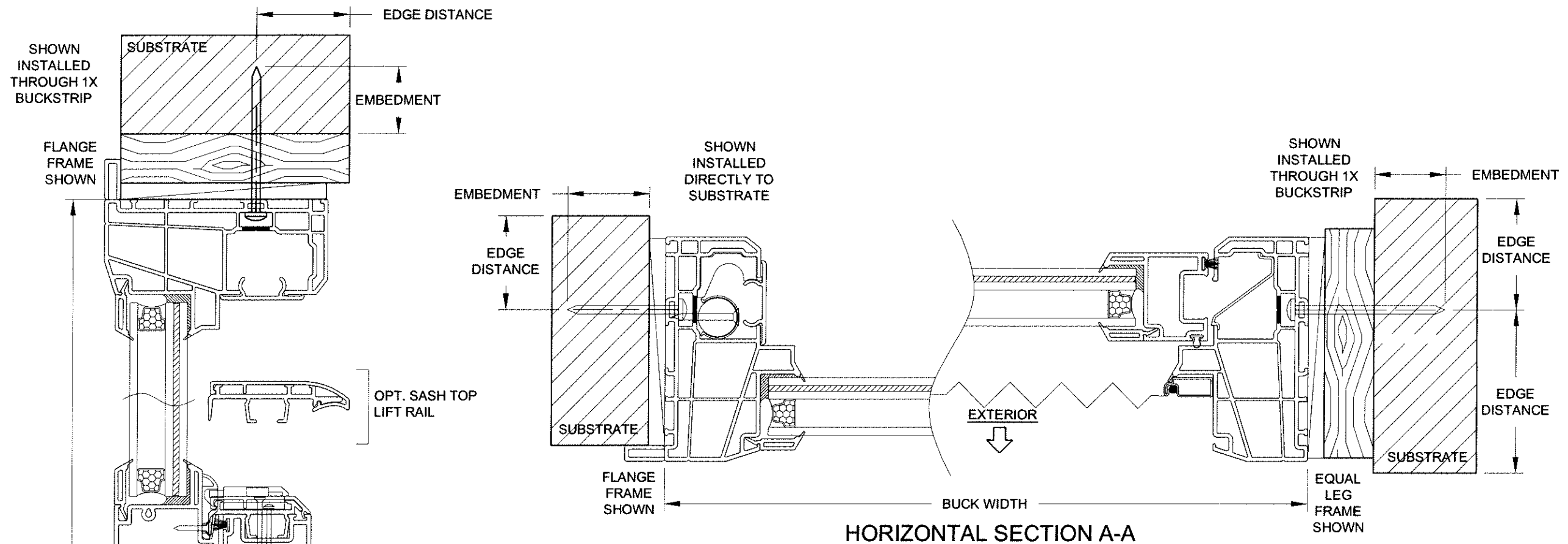
Level	Reinforcement			
	Upper Lite Bottom Rail	Lower Lite Top Rail	Lower Lite Bottom Rail	Side Rails
R1	B	A	A	A
R2	C	A	A	A

PGT
CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

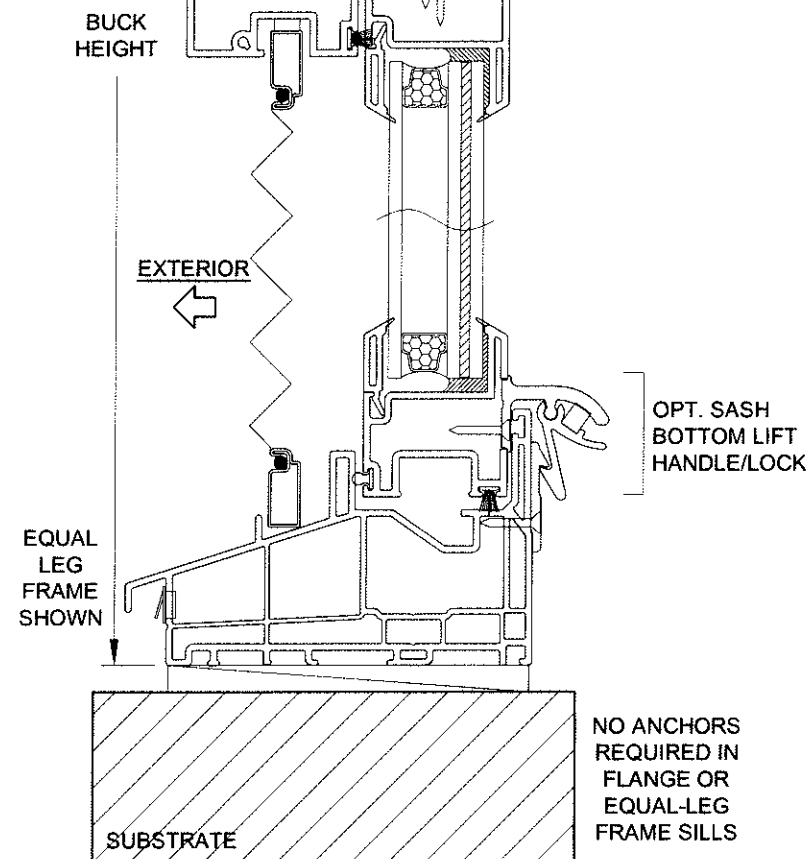
PVB INTERLAYER MANUFACTURED BY DUPONT INC. (AKA KURARAY AMERICA, INC.)

Series	SH-5500	Scale	NTS	Sheet	2 OF 4	DWG No.	FPA-5500.0	Rev. No.	
Title	VINYL SH WINDOW FPA (IMP.-RESIST.)		Date	12/13/14		Drawn By	J ROSOWSKI		
Desc.	GLASS/ANCHOR OPTIONS		Rev 1 Date			Rev 2 Date			

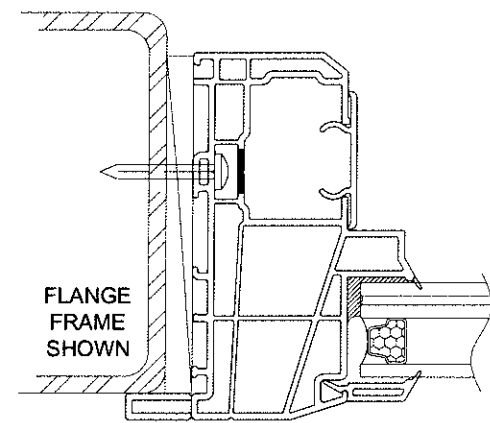
ANTHONY LYNN MILLER
LICENSE
No. 59705
6/10/15
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



HORIZONTAL SECTION A-A



VERTICAL SECTION B-B



INSTALLATION THROUGH THE FRAME, INTO METAL

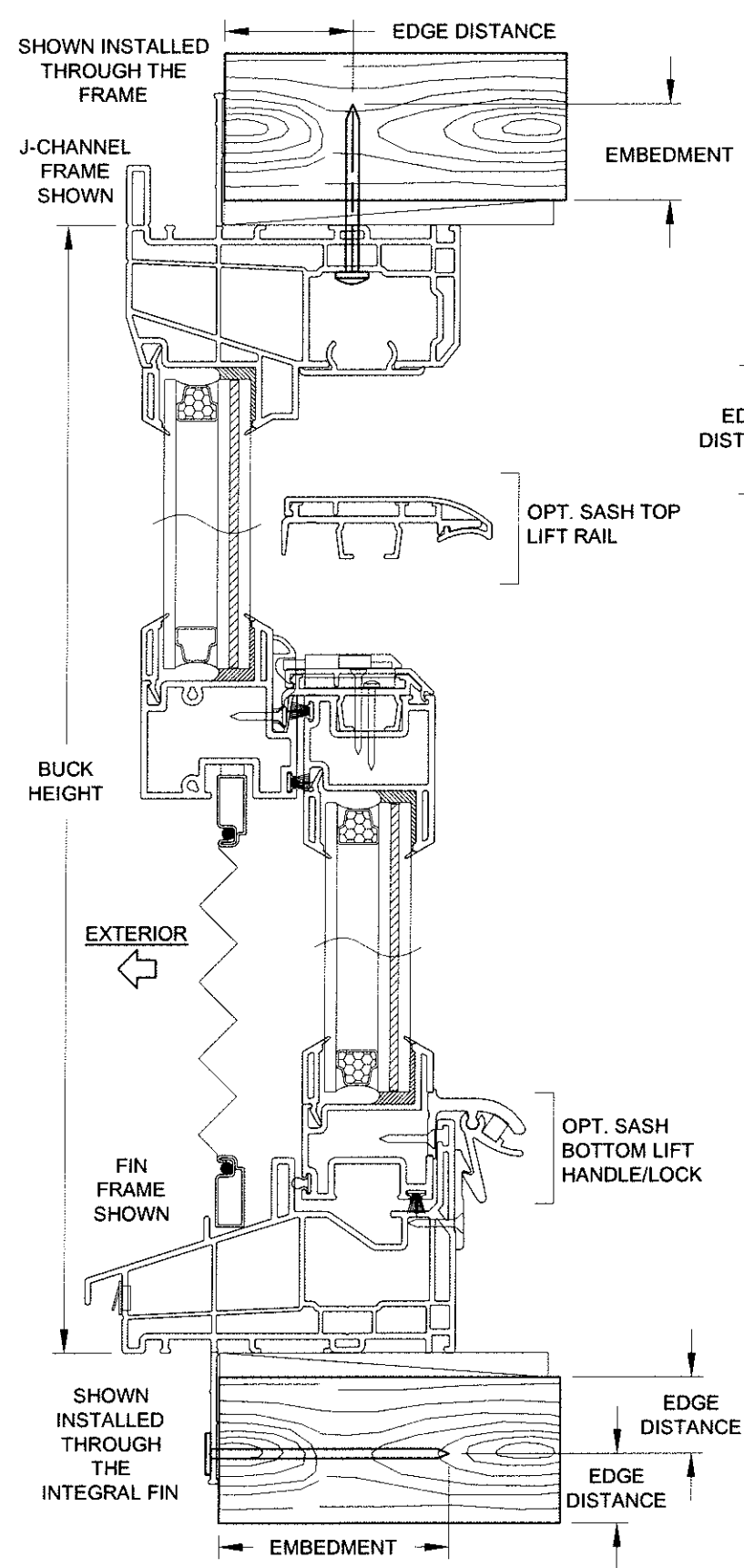
INSTALLATION NOTES:

- 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.

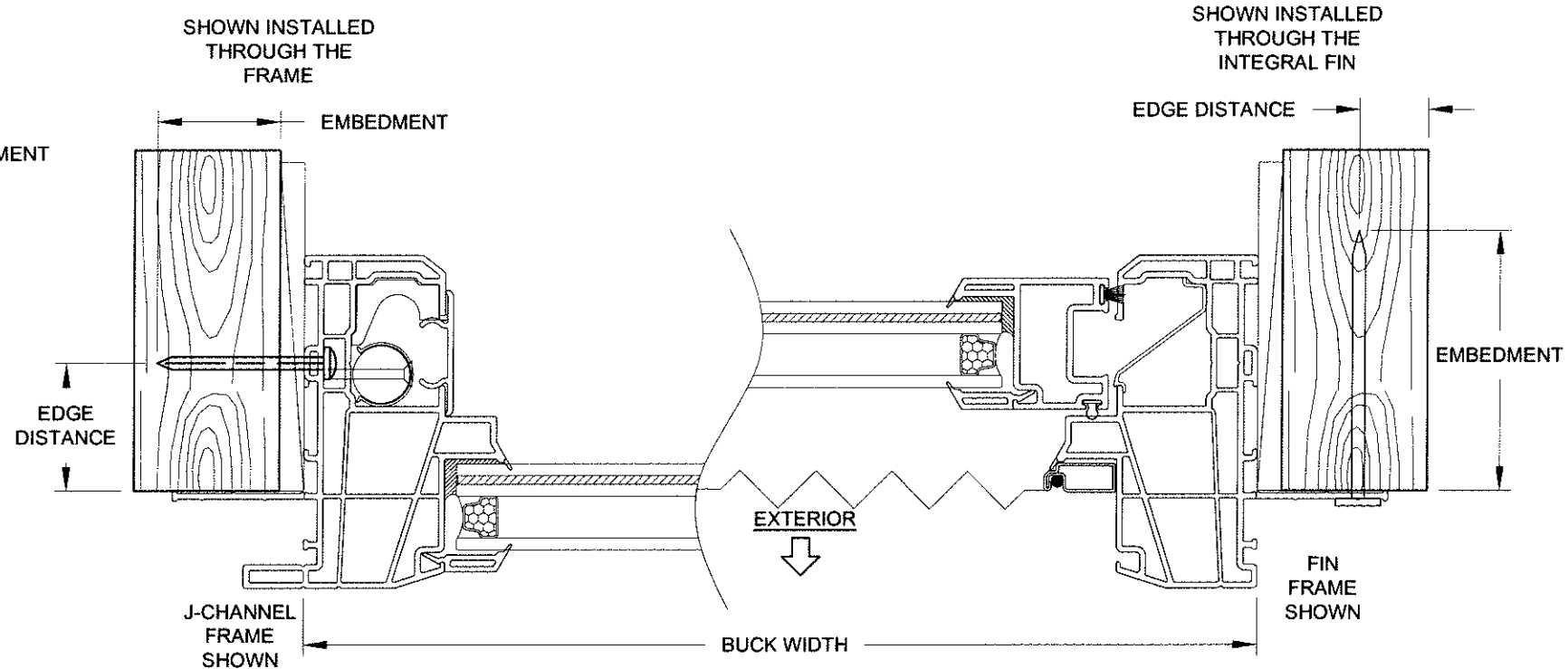
PGT
 CERT. OF AUTH. #29296
 1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
 (941)-480-1600

Series	Rev 1	Desc	Title	Date
		VINYL SH WINDOW FPA (IMP.-RESIST.)		12/13/14
		FLANGE & EQUAL-LEG/BOX FRAMES	Drawn By	J ROSOWSKI
			Rev 1	Date
			Rev 2	Date
SH-5500	Scale	NTS	Sheet	3 OF 4
			DWG No.	FPA-5500.0
			Rev. No.	

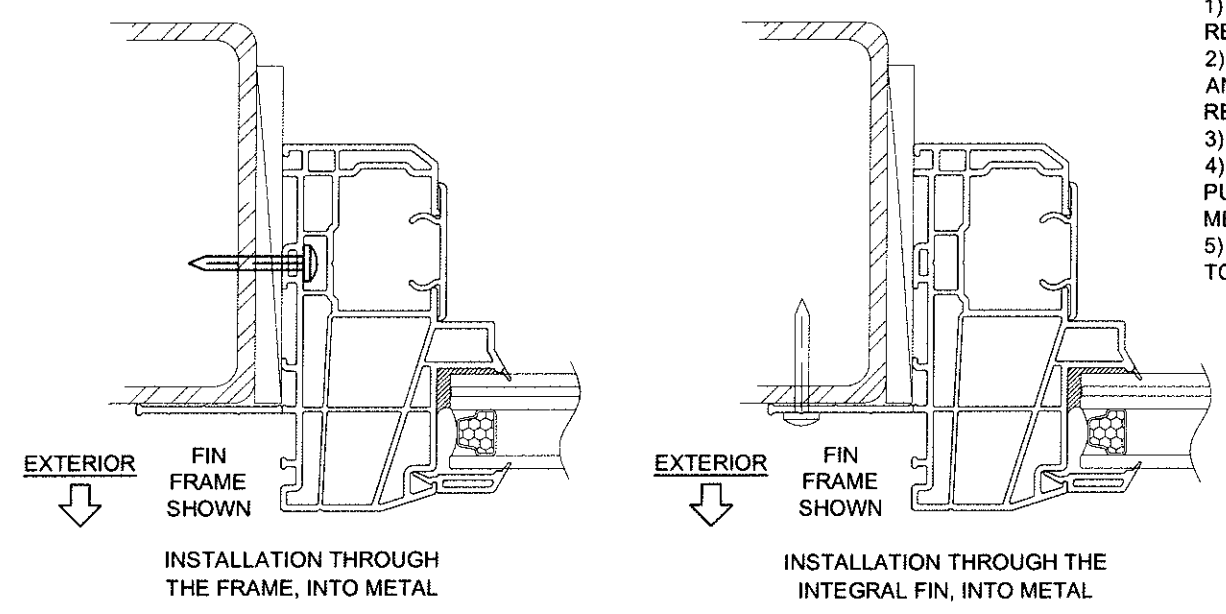
ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 6/10/15
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E. # 58705



VERTICAL SECTION D-D



HORIZONTAL SECTION C-C



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.

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Series	SH-5500	Scale	NTS	Sheet	4 OF 4	DWG. No.	FPA-5500.0	Rev. No.	
Title	VINYL SH WINDOW FPA (IMP.-RESIST.)		Date	12/13/14					
Desc.	J-CHANNEL & INTEGRAL FIN FRAMES		Drawn By	J ROSOWSKI					
Rev 1	Date	Rev 2	Date						

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 No. 58705
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 P.E.# 58705