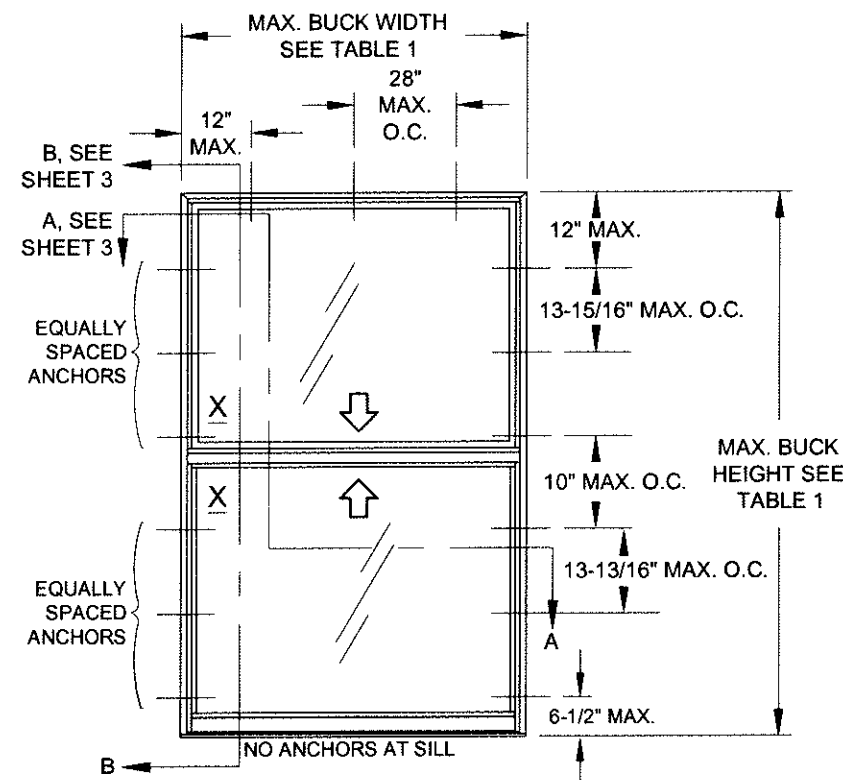
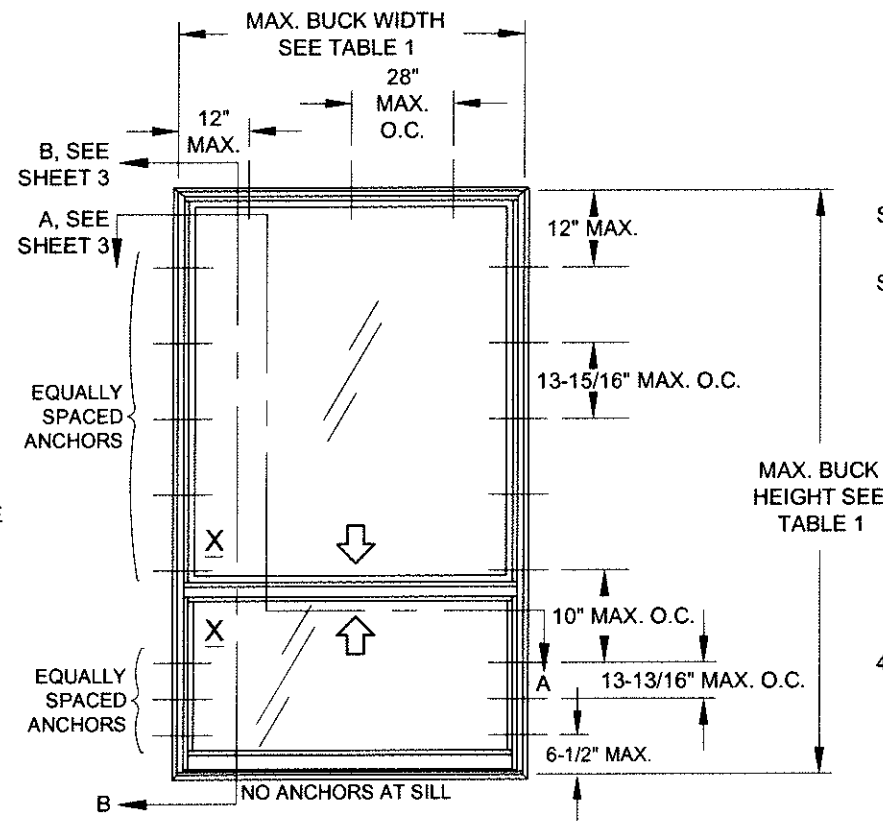
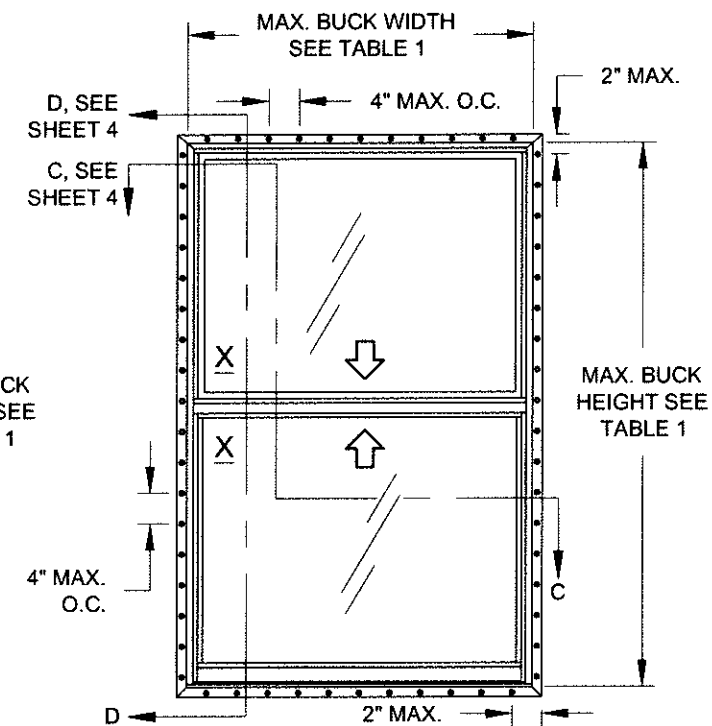




ELEVATION FOR TYP. EQUAL LEG FRAME,
EQUAL-LITE CONFIGURATION



ELEVATION FOR TYP. FLANGE FRAME,
PROVIEW/ORIEL CONFIGURATION



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

**GENERAL NOTES: SERIES 5460 NON-IMPACT RESISTANT,
VINYL DOUBLE 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	
40"	63"	Equal-lite	R4	50.0	50.0	190-1032
52-1/8"	84"	Equal-lite	R1	50.0	50.0	190-1030
52-1/8"	75"	Std. ProView				
52-1/8"	86-3/8"	Custom Sash	R2	65.0	70.0	190-1031
52-1/8"	84"	Equal-lite				
52-1/8"	75"	Std. ProView				
52-1/8"	86-3/8"	Custom Sash				



Series	Rev 1	Desc.	VINYL DH WINDOW FPA (NON-IMPACT)		Date	12/13/14
			GENERAL NOTES & ELEVATIONS		Drawn By	J ROSOWSKI
					Rev 1	Date
					Rev 2	Date
DH-5460	Scale	NTS	Sheet	1 OF 4	DWG No.	FPA-5460.0
					Rev. No.	

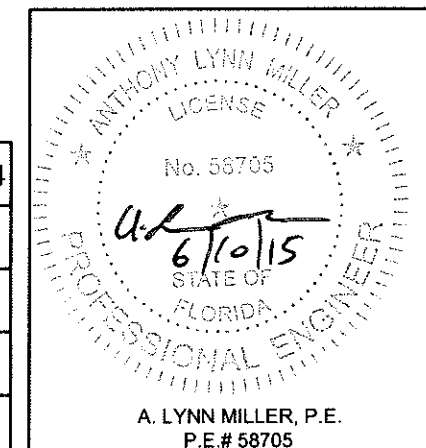


TABLE 2: ANCHORS INSTALLED THROUGH FRAME

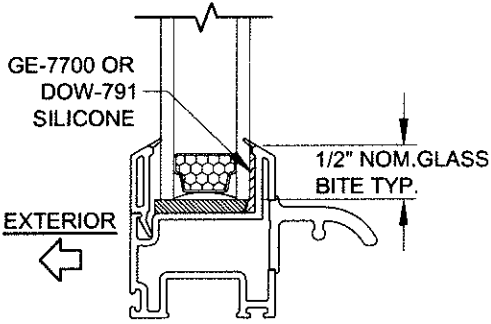
Anchor	Substrate	Min. Edge Distance	Min. Embedment
#10 SMS (steel, 18-8 S.S. or 410 S.S.) Max. DP of 50.0	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
	Steel, A36	3/8"	0.050"
	Steel Stud, A653 Gr. 33	3/8"	0.0346" (20 Ga.)
	Aluminum, 6063-T5	3/8"	0.0713" (14 Ga.)
#12 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. 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"
2-1/2" x .131" Ring-shank Nail	P.T. Southern Pine (SG=.55)	9/16"	2-7/16"
2-1/2" x .145" Roofing Nail	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"	0.050"
	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.

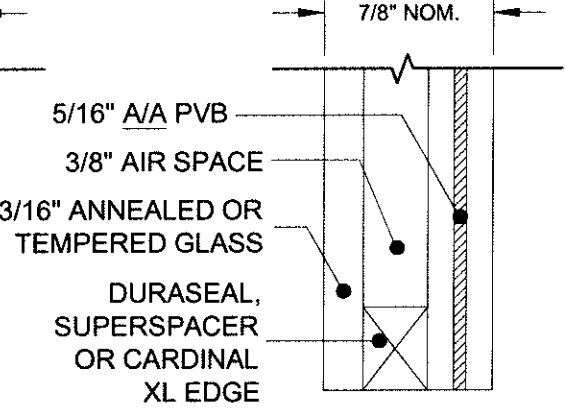
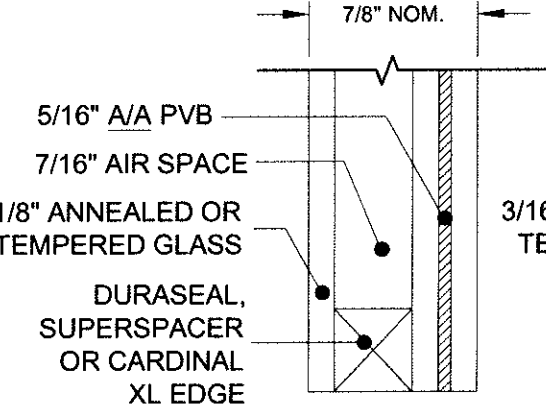
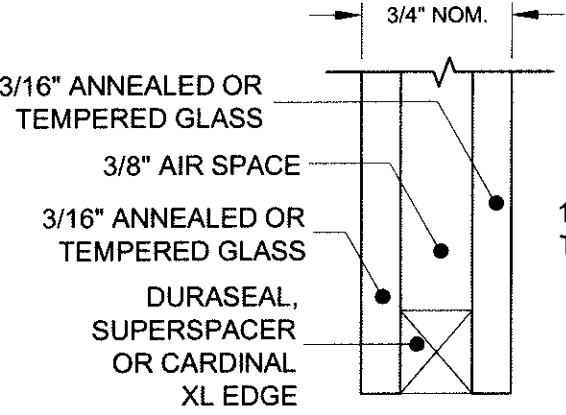
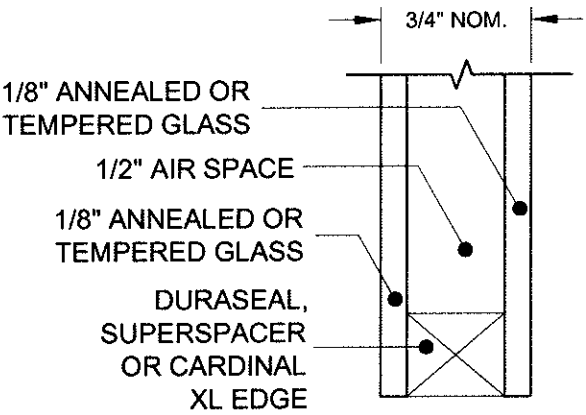


TYP. GLAZING DETAIL

REINFORCENT TYPE A

REINFORCENT TYPE B

REINFORCENT TYPE C



GLAZING TYPES

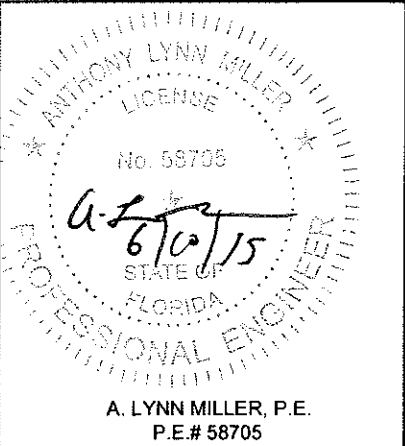
TABLE 4: REINFORCEMENT TYPES

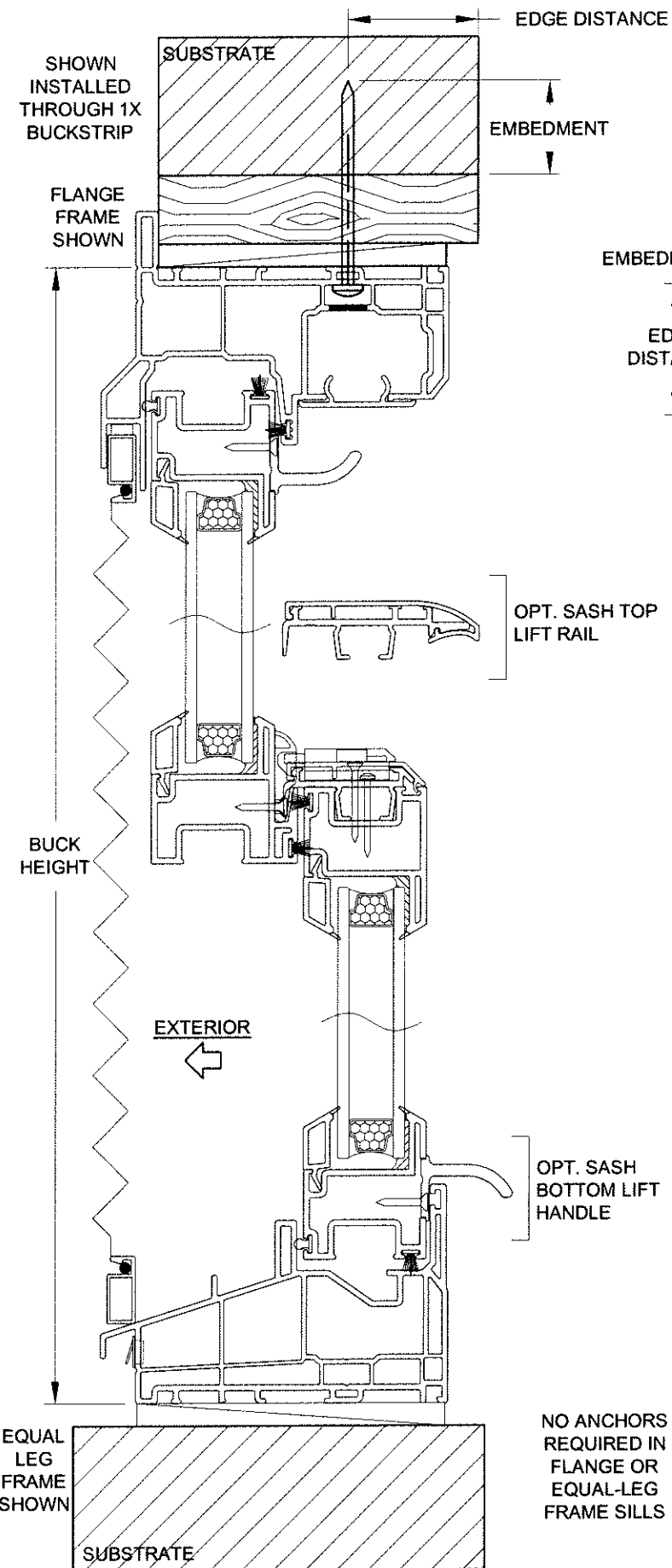
Level	Reinforcement				
	Upper Lite		Lower Lite		Side Rails
	Top Rail	Bottom Rail	Top Rail	Bottom Rail	
R1	A	B	B	A	A
R2	A	C	C	A	A
R4	A	A	A	A	N/A

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



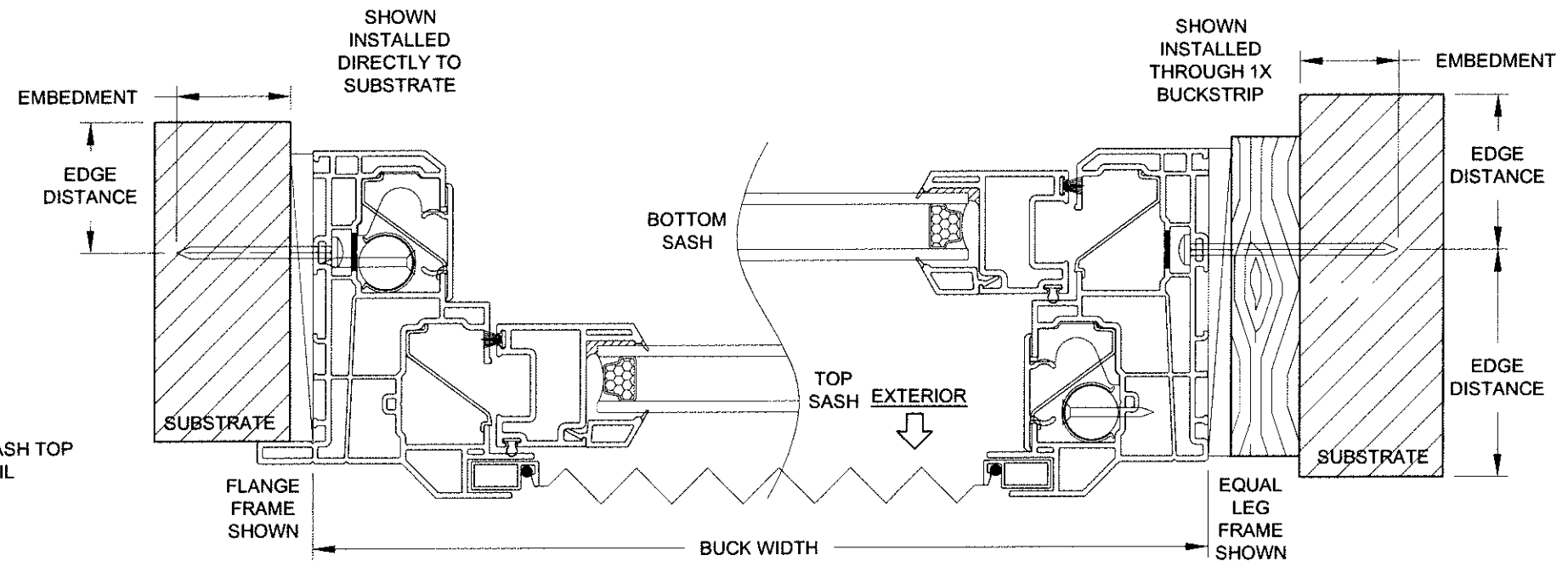
Series	Rev 1	Desc.	Title	Date
			VINYL DH WINDOW FPA (NON-IMPACT)	12/13/14
			GLASS/ANCHOR OPTIONS	Drawn By J ROSOWSKI
				Rev 1 Date
				Rev 2 Date
DH-5460	Scale	NTS	Sheet	2 OF 4
			DWG No.	FPA-5460.0
			Rev. No.	



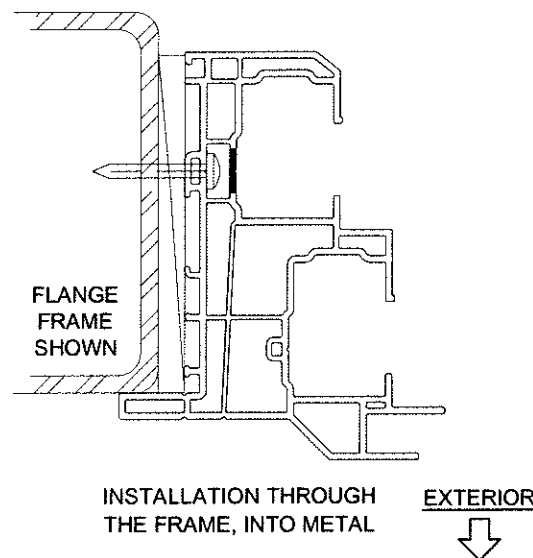


VERTICAL SECTION B-B

NO ANCHORS
REQUIRED IN
FLANGE OR
EQUAL-LEG
FRAME SILLS



HORIZONTAL SECTION A-A



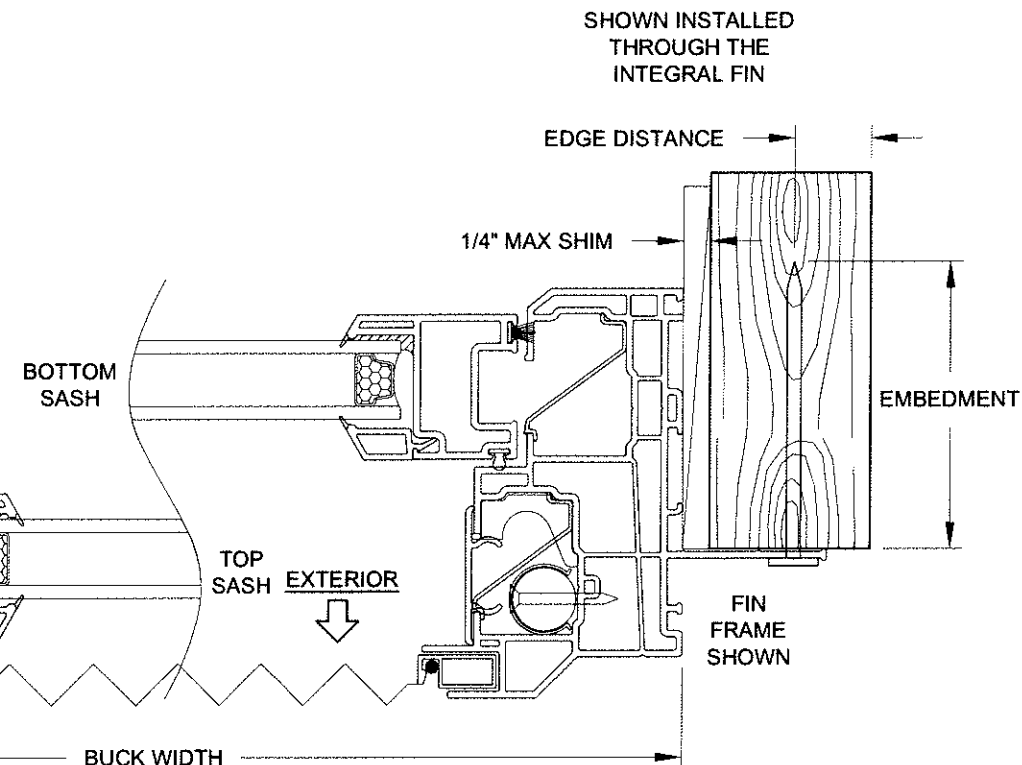
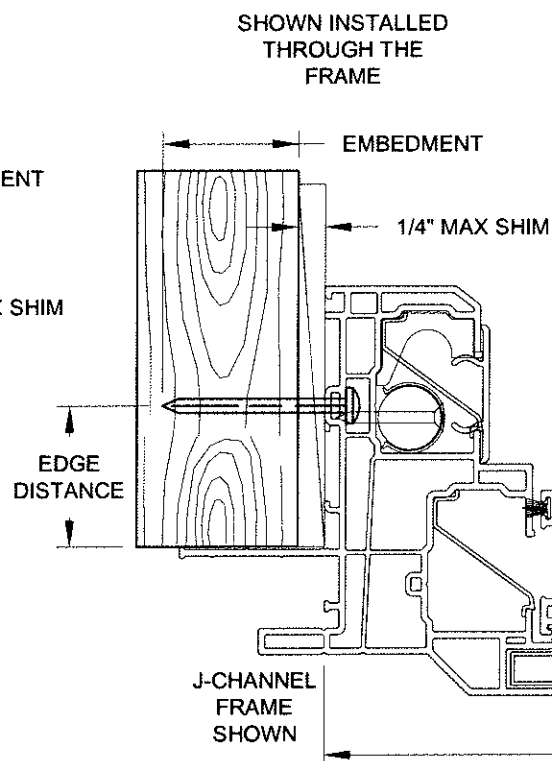
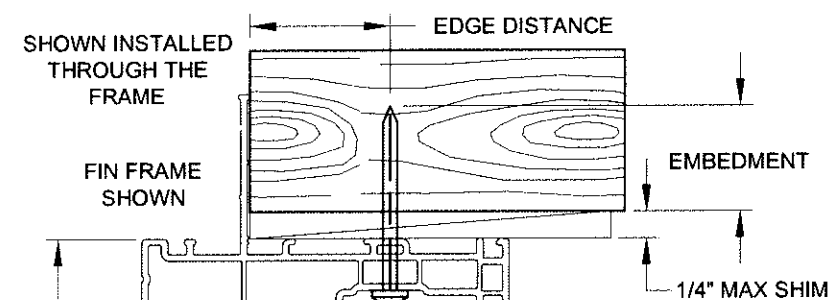
INSTALLATION NOTES:

- 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.

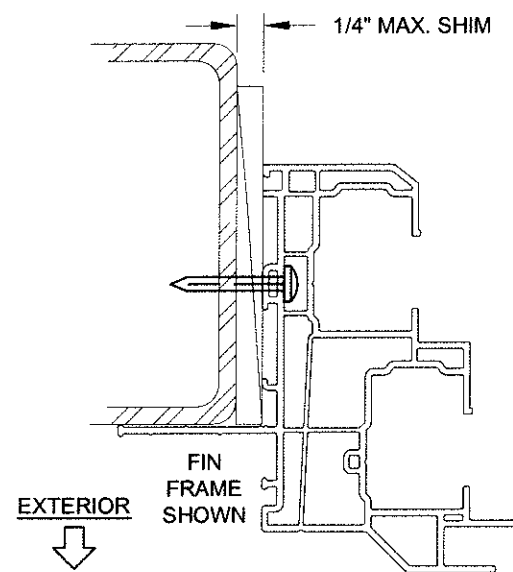
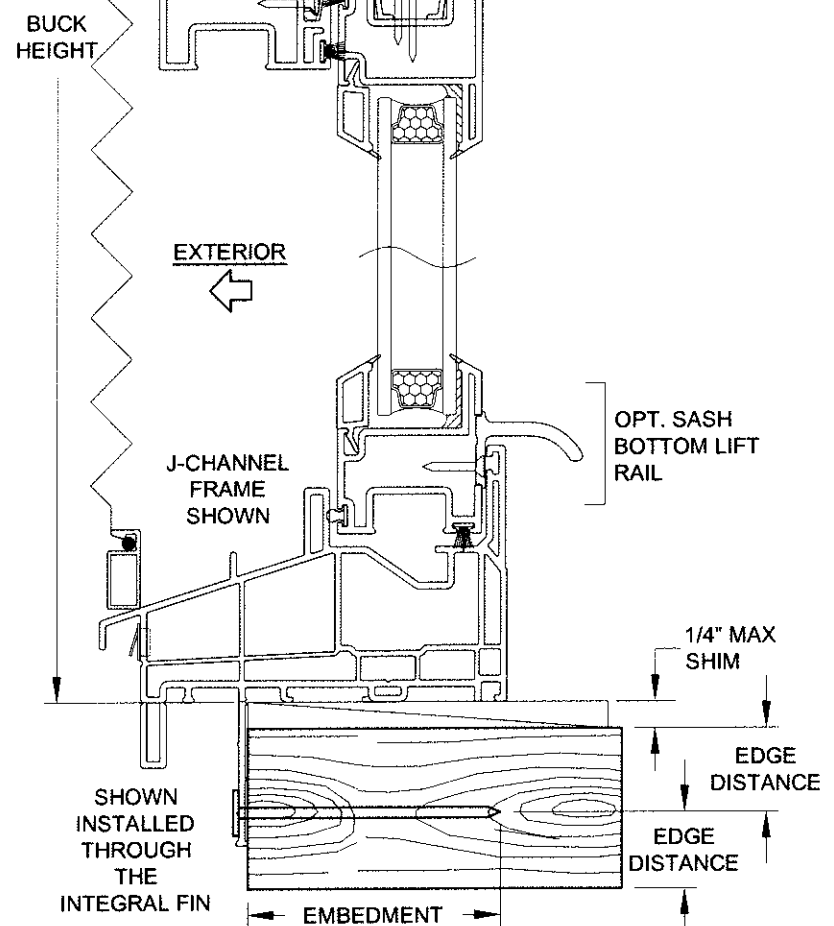
PGT
CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Series	Rev 1	Desc.	VINYL DH WINDOW FPA (NON-IMPACT)	Date	12/13/14
Rev 2	Rev 1	Desc.	FLANGE & EQUAL-LEG/BOX FRAMES	Drawn By	J ROSOWSKI
Rev 2	Rev 1	Desc.		Date	
Rev 2	Rev 1	Desc.		Date	
DH-5460	Scale	NTS	Sheet	3 OF 4	DWG No. FPA-5460.0
					Rev. No.

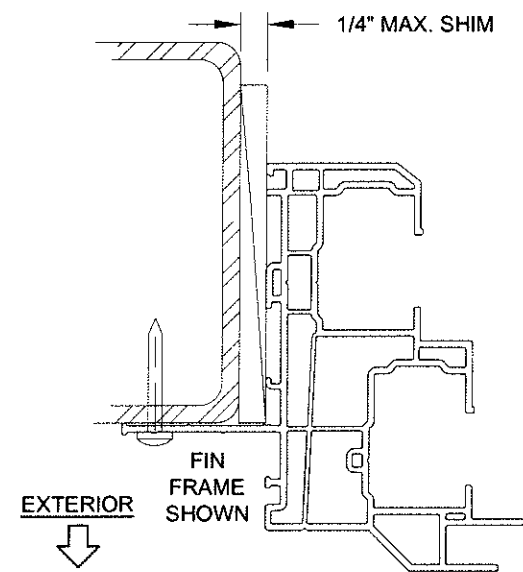
ANTHONY LYNN MILLER
LICENSE
No. 58705
6/10/15
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



HORIZONTAL SECTION C-C



INSTALLATION THROUGH THE FRAME, INTO METAL



INSTALLATION THROUGH THE INTEGRAL FIN, 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.

VERTICAL SECTION D-D

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

Series	Rev 1	Title		Date
		VINYL DH WINDOW FPA (NON-IMPACT)		12/13/14
Series	Rev 2	Desc.		Drawn By
		J-CHANNEL & INTEGRAL FIN FRAMES		J ROSOWSKI
Series	Rev 1	Date		Rev 2
		Date		Date
DH-5460	Scale	NTS	Sheet	4 OF 4
DWG No.	FPA-5460.0		Rev. No.	

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