

GENERAL NOTES :

1) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO COMPLY WITH THE 2006 INTERNATIONAL BUILDING CODE FOR THE DESIGN PRESSURES LISTED.

2) WOOD BUCKS DEPICTED AS 1X ARE LESS THAN 1-1/2" THICK. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. ATTACHMENT METHOD OF WOOD BUCKS SHALL BE DONE BY OTHERS.

3) SEE TABLES FOR MINIMUM EDGE DISTANCE FROM CENTER OF ANCHOR TO SUBSTRATE EDGE (EXCLUDING FINISH OR STUCCO).

4) SHIM EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE, USING SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.

5) ANCHORS SHALL BE COATED OR CORROSION RESISTANT AS SPECIFIED IN THE 2006 TEXAS REVISIONS TO THE 2006 INTERNATIONAL BUILDING CODE.

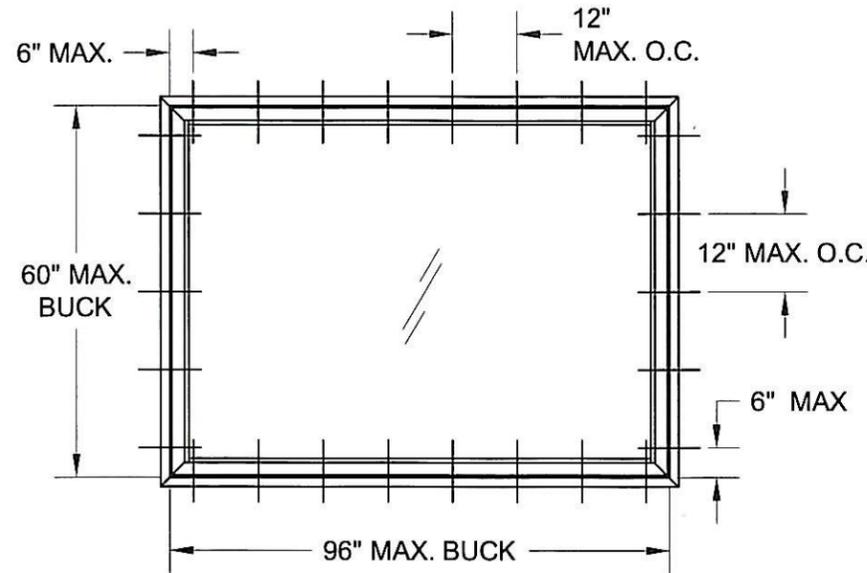
6) ADHESIVE SEALANT SHALL BE USED BETWEEN SUBSTRATE AND FLANGE OR FIN. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS.

7) MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, 2.7 KSI CONCRETE AND CONCRETE MASONRY UNITS COMPLYING WITH ASTM C-90. GLAZING COMPLIES WITH ASTM E1300-09.

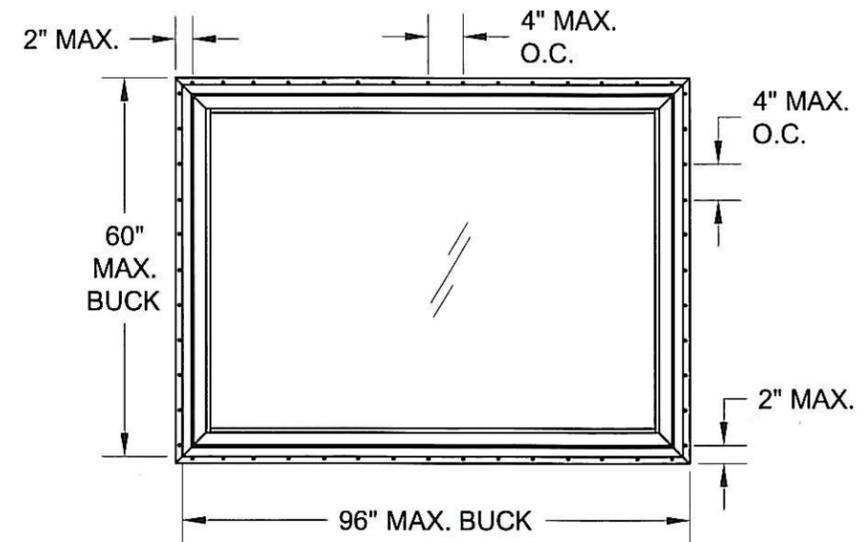
8) THE 1/3 STRESS INCREASE WAS NOT USED IN THIS ANCHOR EVALUATION. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF WOOD SCREWS.

9) IF THE EXACT PRODUCT SIZE IS NOT LISTED IN THE TABLES, ALWAYS ROUND UP TO THE NEXT LARGER VALUE.

ANCHOR LOCATIONS & SPACING



FLANGE FRAME



INTEGRAL FIN FRAME

TABLE 2: ANCHORS FOR FLANGE WINDOWS

Anchor	Substrate	Min. Edge Distance	Min. Embedment
#10 Sheet Metal Screw, G5 Steel or 410 Stainless Steel	P.T. Southern Pine (SG = .55)	1/2"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	1/8"
	Steel Stud, Gr. 33 min.	3/8"	0.0346 (20 ga)
	A36 Steel	3/8"	1/8"
3/16" Steel Ultracon	P.T. Southern Pine (SG = .55)	1/2"	1-3/8"
	Concrete (min. 2.7 ksi)	1"	1"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"

NOTE: FOR ALL METAL SUBSTRATES, SCREW EMBEDMENT SHALL BE MIN. 3 THREADS BEYOND INSIDE FACE OF MATERIAL.

TABLE 3: ANCHORS FOR FIN WINDOWS

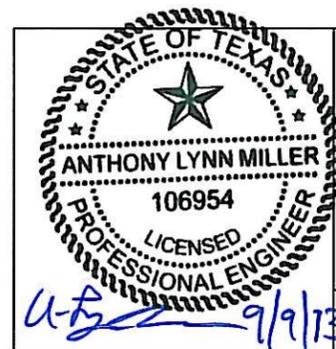
Anchor	Substrate	Min. Edge Distance	Min. Embedment
2-1/2" x .113" Box Nail	P.T. Southern Pine (SG = .55)	5/16"	2-7/16"
2-1/2" x .131" Common Nail	P.T. Southern Pine (SG = .55)	3/8"	2-7/16"
2-1/2" x .145" Roofing Nail	P.T. Southern Pine (SG = .55)	3/8"	2-7/16"
#10 Steel SMS	P.T. Southern Pine (SG = .55)	1/2"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	1/8"
	Steel Stud, Gr. 33 min.	3/8"	0.0346 (20 ga)
	A36 Steel	3/8"	1/8"

NOTE: FOR ALL METAL SUBSTRATES, SCREW EMBEDMENT SHALL BE MIN. 3 THREADS BEYOND INSIDE FACE OF MATERIAL.

TABLE 1: DESIGN PRESSURE

Window Buck Size		Design Pressure		Certification Numbers
Width	Height	(+) psf	(-) psf	
96"	60"	80	80	190-423

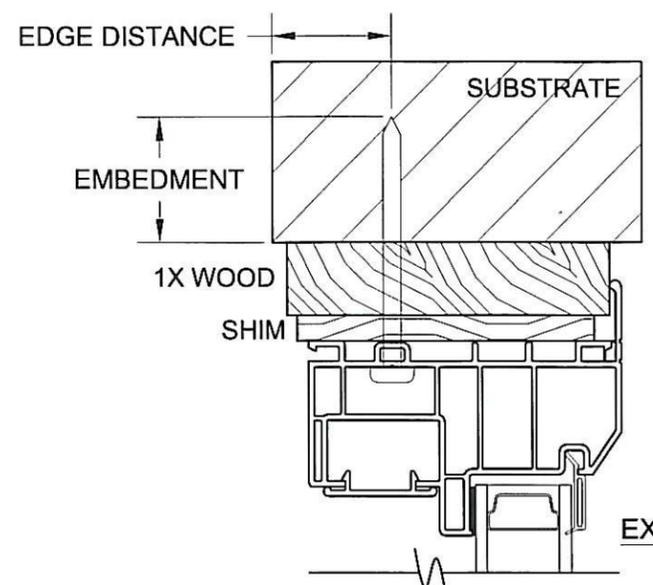
SHAPES MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK AND OBTAINING DESIGN PRESSURES FOR THAT BLOCK SIZE FROM THE TABLE ON THIS SHEET.



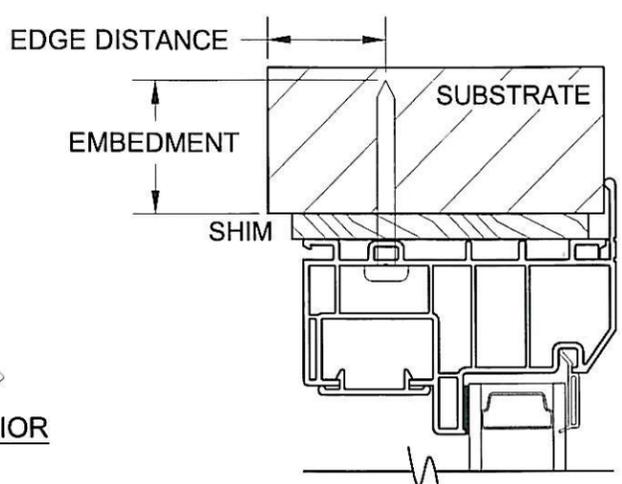
PGT
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
A. Lynn Miller, P.E.
P.E. #106954

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Description:			Title: PICTURE WINDOW
Series/Model: PW-420	Scale: NTS	Sheet: 1 of 3	
Rev:			

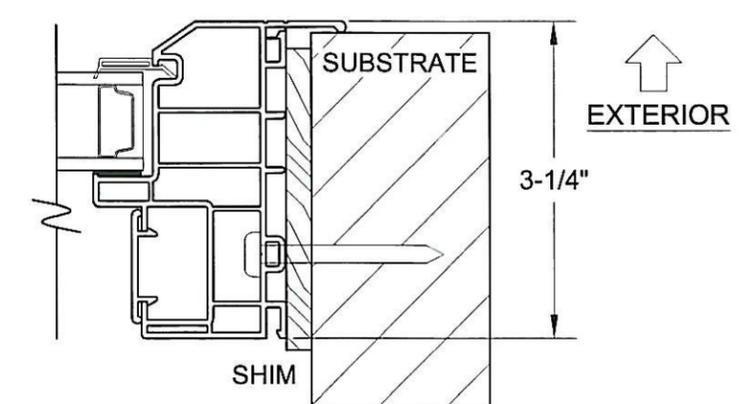
INSTALLATION WITH FLANGE FRAME



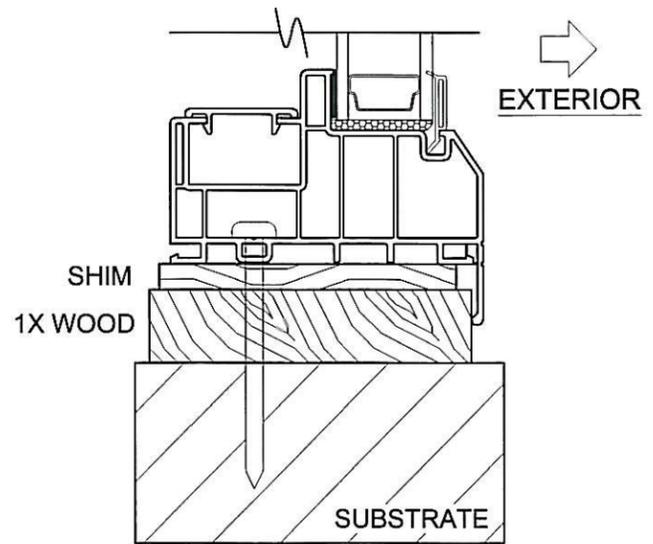
FLANGE FRAME,
HEAD INSTALLATION
(USING 1X BUCKSTRIP)



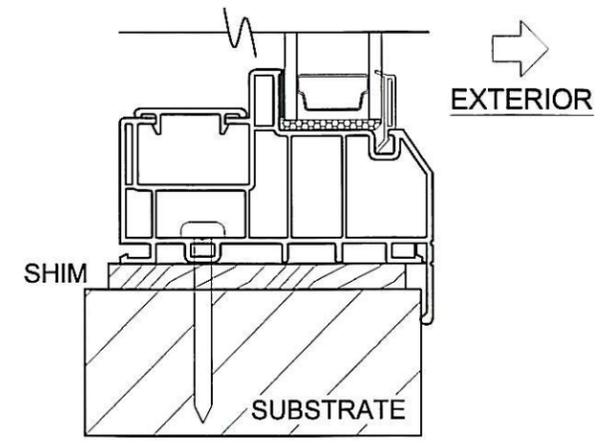
FLANGE FRAME,
HEAD INSTALLATION
(DIRECTLY TO SUBSTRATE)



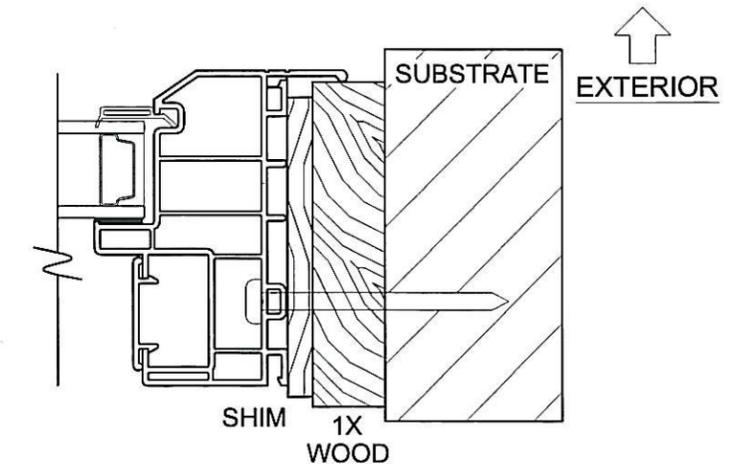
FLANGE FRAME,
JAMB INSTALLATION
(DIRECTLY TO SUBSTRATE)



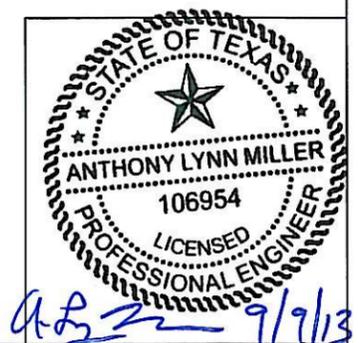
FLANGE FRAME,
SILL INSTALLATION
(USING 1X BUCKSTRIP)



FLANGE FRAME,
SILL INSTALLATION
(DIRECTLY TO SUBSTRATE)



FLANGE FRAME,
JAMB INSTALLATION
(USING 1X BUCKSTRIP)

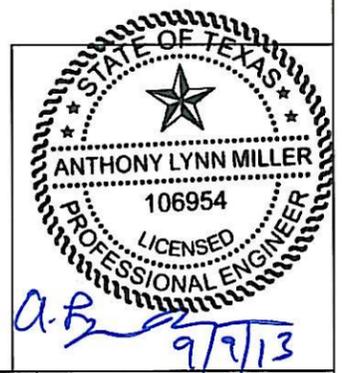
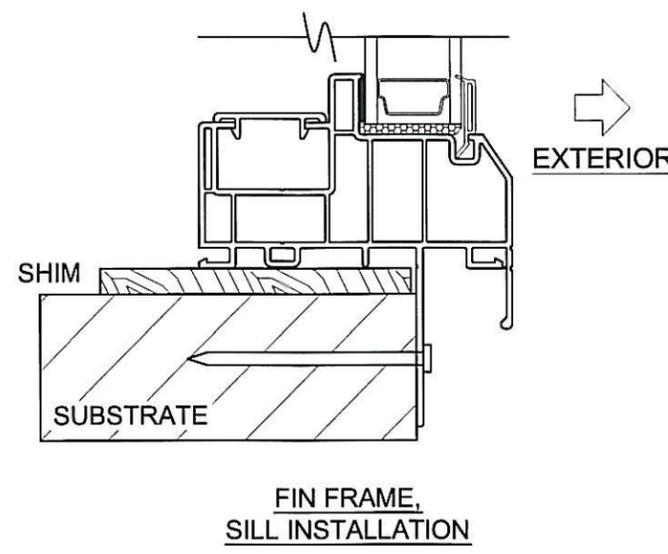
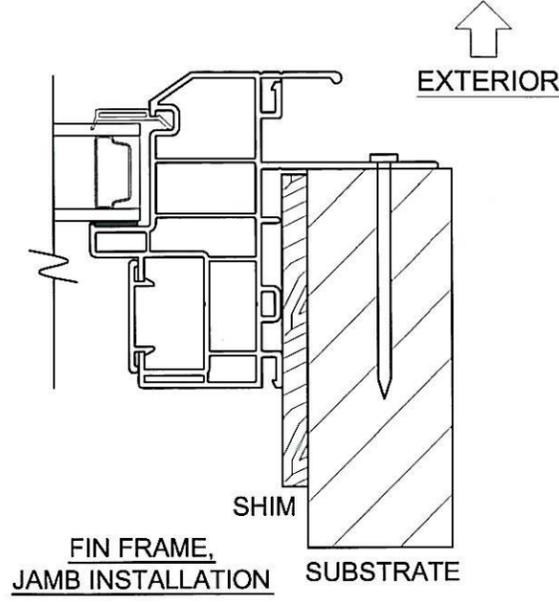
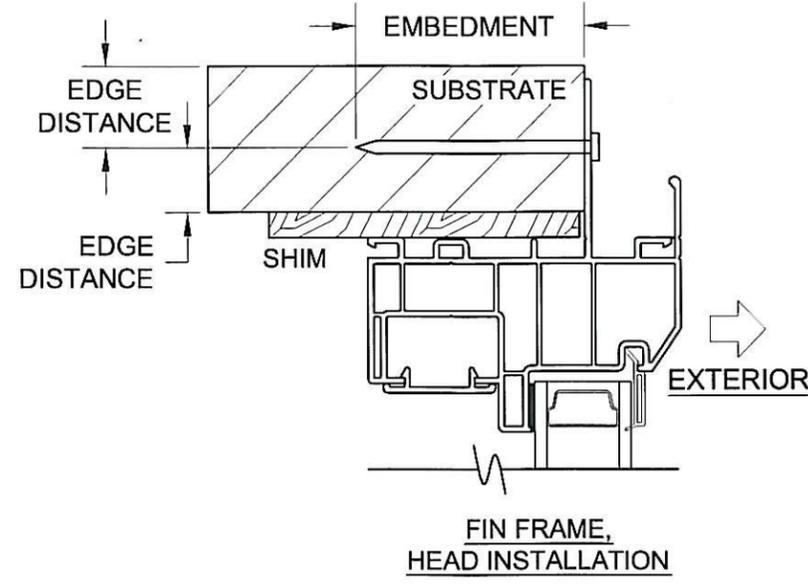


INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR SPACING REQUIREMENTS.
- 2) SEE TABLE(S) ON SHEET 1 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. FOR EQUAL-LEG FRAME APPLICATIONS, USE FLANGE INSTRUCTIONS.

 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	Drawn By: J. ROSOWSKI	Date: 9/09/13	Material: VINYL	THE INFORMATION, DESIGN OR DATA CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF PGT INDUSTRIES AND CONSIDERED CONFIDENTIAL AND PROPRIETARY. NO PORTION OF THIS DOCUMENT MAY BE USED OR REPRODUCED IN ANY FORM WITHOUT THE EXPRESSED WRITTEN PERMISSION OF PGT INDUSTRIES.
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A. Lynn Miller, P.E. P.E. #106954	Series/Model: PW-420	Scale: NTS	Sheet: 2 of 3	

INSTALLATION WITH FIN FRAME



INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR SPACING REQUIREMENTS.
- 2) SEE TABLE(S) ON SHEET 1 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. FOR EQUAL-LEG FRAME APPLICATIONS, USE FLANGE INSTRUCTIONS.

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Description:				Title: PICTURE WINDOW
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Series/Model: PW-420	Scale: NTS	Sheet: 3 of 3	Drawing No. TDI-PW420.1	Rev: