

**SERIES 640 NON-IMPACT RESISTANT,
FIXED CASEMENT WINDOW WITH
FLANGE OR NAILING FIN FRAME**

FLORIDA PRODUCT APPROVAL #5012

DESIGN PRESSURE RATING
SEE TABLE 1
IMPACT RATING
NOT RATED FOR IMPACT RESISTANCE

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

2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

3) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLES 2 & 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. 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 OR ARCHITECT OF RECORD.

4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH. ANCHORS AND FRAME CORNERS 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.

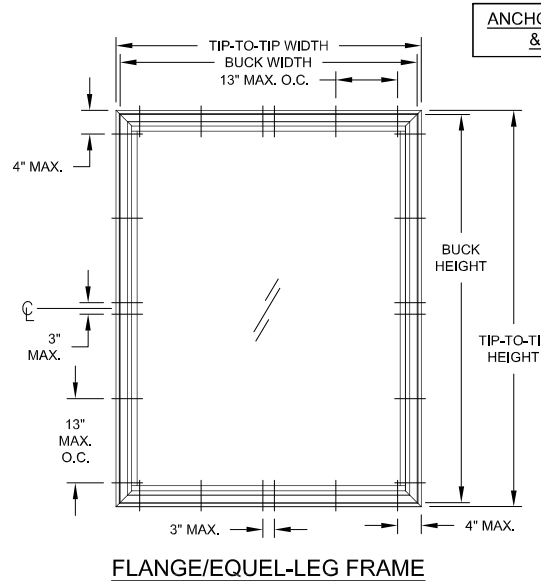
5) SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.

6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS 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: DESIGN PRESSURE

Window Buck Size		Design Pressure		Product Rating
Width	Height	(+) psf	(-) psf	
75"	62"	60	60	FW-R60

NOT ALL GLASS OPTIONS ARE AVAILABLE AT THE MAXIMUM WINDOW SIZE.



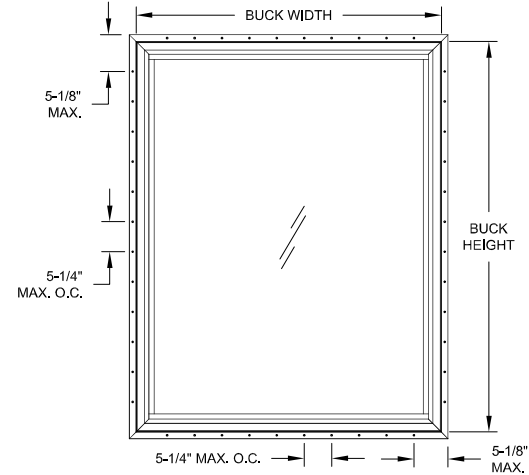
FLANGE/EQUEL-LEG FRAME

TABLE 2: ANCHORS FOR FLANGE WINDOWS

Anchor	Substrate	Min. Edge Distance	Min. Embedment
#12 Steel Screw (G5)	P.T. Southern Pine (SG = .55)	9/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	0.0713" (14 Ga.)
	Steel Stud, Gr. 33 min.	3/8"	0.0346" (20 Ga.)
1/4" 410 SS CreteFlex	A36 Steel	3/8"	1/16"
	P.T. Southern Pine (SG = .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" Steel Ultracon+	P.T. Southern Pine (SG = .55)	1"	1-3/8"
	Concrete (min. 2.7 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"

- ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- ALL ANCHOR HEAD TYPES ARE APPLICABLE.

ANCHOR LOCATIONS & SPACING



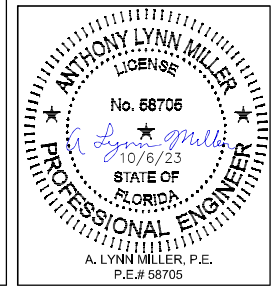
FLANGE FRAME WITH ADD-ON FIN

TABLE 3: ANCHORS FOR FIN WINDOWS

Anchor	Substrate	Min. Edge Distance	Min. Embedment	
#10 Steel SMS	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"
	P.T. Southern Pine (SG = .55)	1/2"	1-3/8"	
#10 Steel SMS	Aluminum, 6063-T5 min.	3/8"	1/8"	
	Steel Stud, Gr. 33 min.	3/8"	0.036"	
	A36 Steel	3/8"	1/8"	

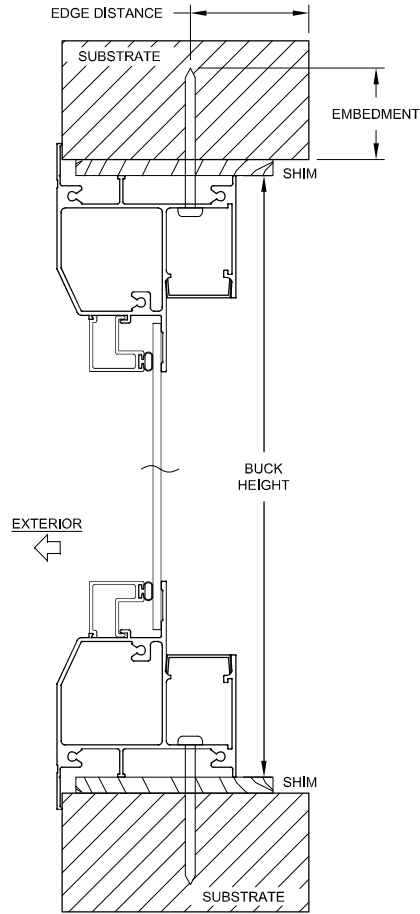
- ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- ALL ANCHOR HEAD TYPES ARE APPLICABLE.

PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	06/12/11 JENS ROSOWSKI	D Rev #
	ALUMINUM FIXED CASEMENT WINDOW (NI) ELEVATION & GENERAL NOTES	PW640PPA-NI No.	1 OF 3 Sheet	PW640 Series



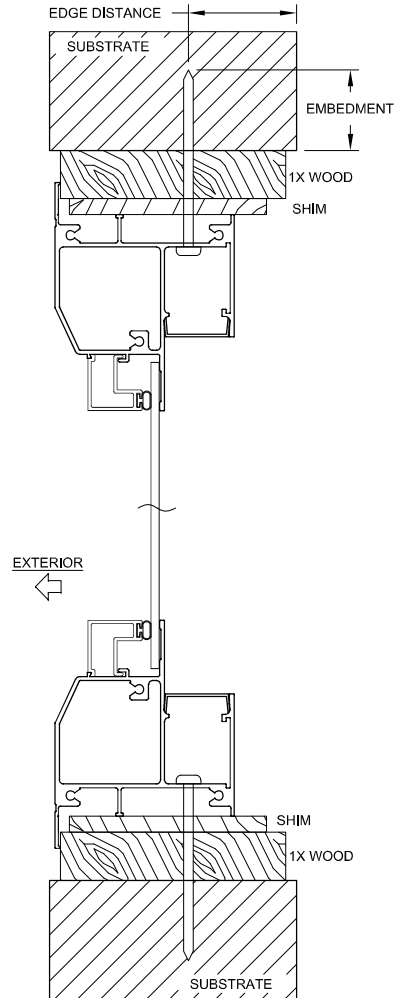
A. LYNN MILLER, P.E.
P.E.# 58705

**FLANGE FRAME,
HEAD INSTALLATION
(DIRECTLY TO SUBSTRATE)**

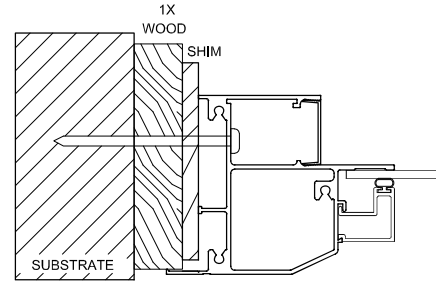


**FLANGE FRAME,
SILL INSTALLATION
(DIRECTLY TO SUBSTRATE)**

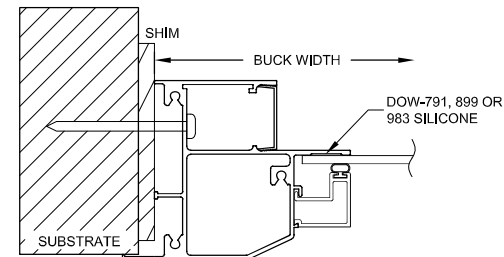
**FLANGE FRAME,
HEAD INSTALLATION
(USING 1X BUCKSTRIP)**



**FLANGE FRAME,
SILL INSTALLATION
(USING 1X BUCKSTRIP)**



**FLANGE FRAME,
JAMB INSTALLATION
(USING 1X BUCKSTRIP)**

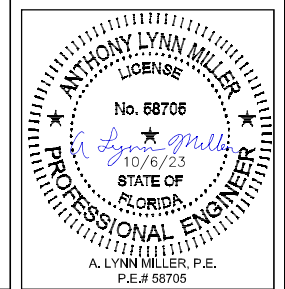


**FLANGE FRAME,
JAMB INSTALLATION
(DIRECTLY TO SUBSTRATE)**

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.

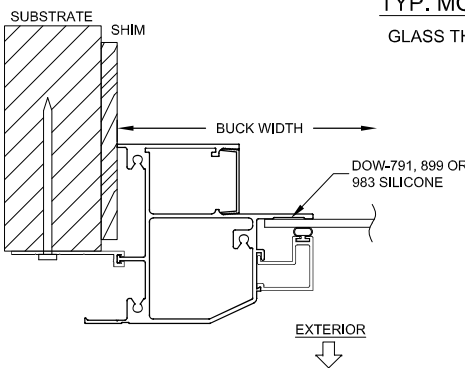
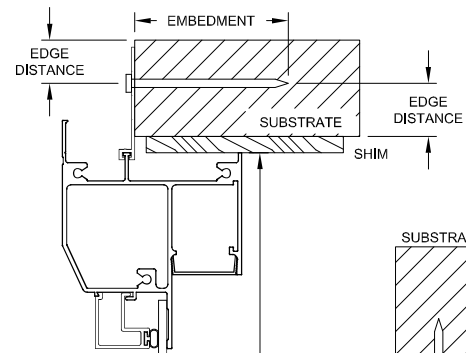
<p>PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600</p>	<p>REGISTRATION #29296</p>	<p>06/12/11</p>	<p>D</p>
	<p>COPYRIGHT © 2023 PGT, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING. (941) 480-1600</p>	<p>DATE</p>	<p>REV #</p>
<p>PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600</p>	<p>ALUMINUM FIXED CASEMENT WINDOW (NI) FLANGE/EQUAL LEG FRAME INSTALLATION DETAILS</p>	<p>Drawn By JENS ROSOWSKI</p>	<p>2 OF 3</p>
<p>Sheet</p>	<p>DWG No.</p>	<p>PW640</p>	<p>PW640FPA-NI</p>



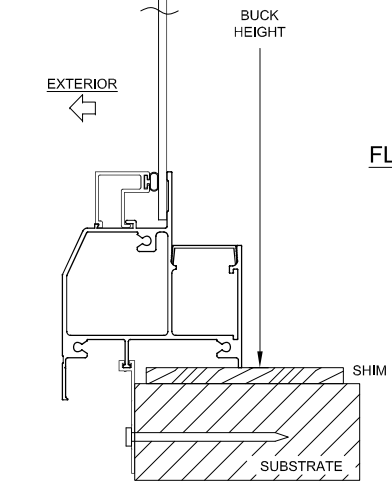
A. LYNN MILLER, P.E.
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Rev. 10/5/23
Date
NO CHANGES THIS SHEET

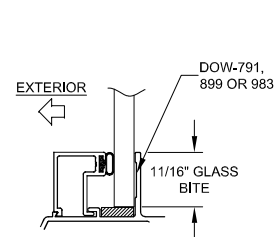
**FLANGE FRAME WITH ADD-ON FIN,
 HEAD INSTALLATION**



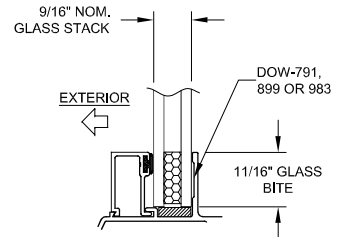
**FLANGE FRAME WITH ADD-ON FIN,
 JAMB INSTALLATION**



**FLANGE FRAME WITH ADD-ON FIN,
 SILL INSTALLATION**

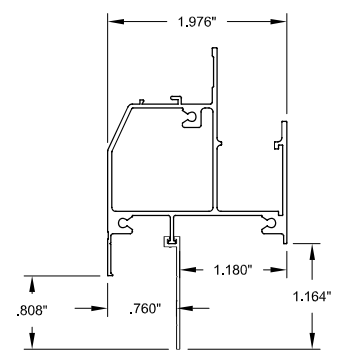


TYP. MONOLITHIC GLAZING



TYP. INSULATED GLAZING

GLASS THICKNESS AND TYPE VARIES DEPENDING ON SIZE/DP REQUIREMENTS.



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	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 CUSTOM WINDOWS AND DOORS 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	Date 06/12/11 Drawn By JENS ROSOWSKI	No. 3 OF 3 Sheet PW640	Title FIN FRAME INSTALLATION Desc. ALUMINUM FIXED CASEMENT WINDOW (NI)	Rev. 10/5/23 Date 10/5/23
	<p>ALUMINUM FIXED CASEMENT WINDOW (NI) FIN FRAME INSTALLATION DETAILS PW640</p>						

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