

**SERIES CA640 NON-IMPACT CASEMENT WINDOW
WITH ADD-ON CONTINUOUS NAILING FIN**

FLORIDA PRODUCT APPROVAL #330

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, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

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

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

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

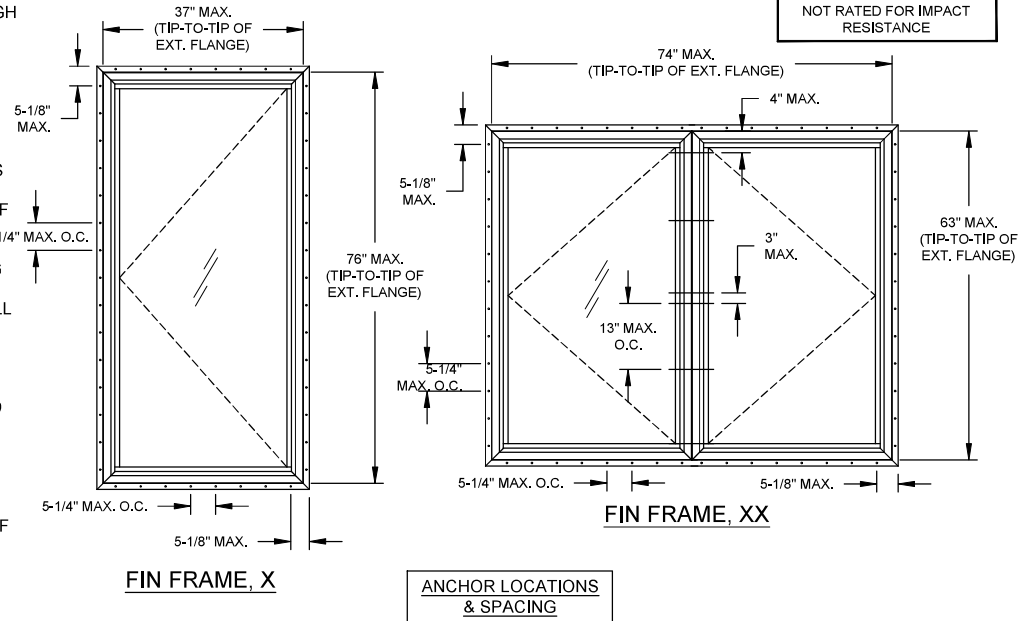


TABLE 1:

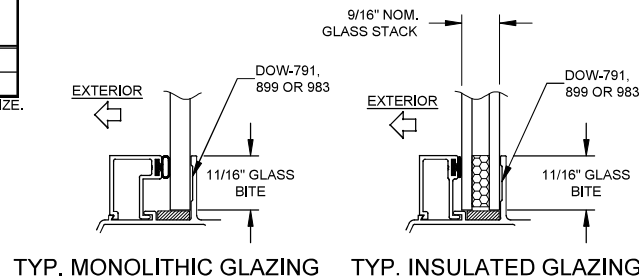
Window Size		Config.	Design Pressure		Product Rating
Width	Height		(+) psf	(-) psf	
37"	76"	X	75	75	C-LC75
74"	63"	XX	60	60	C-R60

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

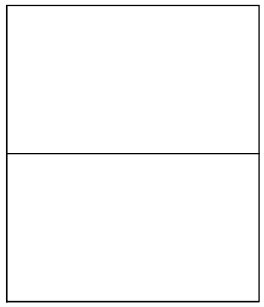
TABLE 2: ANCHORS FOR FIN WINDOWS

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"	0.036"
	A36 Steel	3/8"	1/8"

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



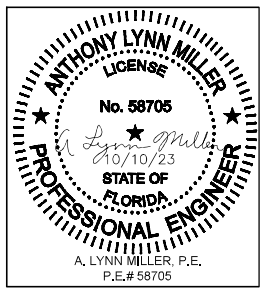
GLASS THICKNESS AND TYPE VARIES DEPENDING ON SIZE/DP REQUIREMENTS.



B) NO CHANGES IN THIS SHEET.

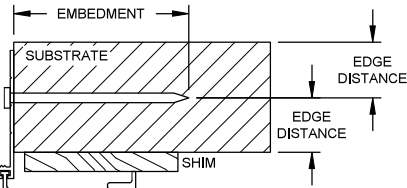
Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	Date	06/12/11
		Drawn By	A. MORLESIN
ALUMINUM CASEMENT WINDOW (NI) GENERAL NOTES & ELEVATION.		No.	640CAFFA-NI
Custom Windows and Doors PGT 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		Sheet	1 OF 2
Series Desc. Title		DWG	B



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P.E.# 58705

**FIN FRAME,
HEAD INSTALLATION**



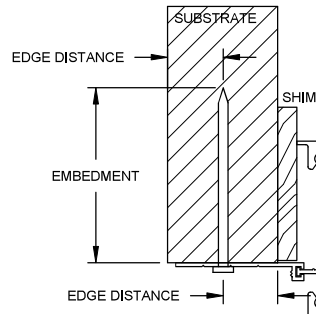
INSTALLATION NOTES:

- 1) SEE SHEETS 1 FOR SPACING REQUIREMENTS.
- 2) SEE TABLE 2 FOR ANCHORAGE AND SUBSTRATE REQUIREMENTS.
- 3) MAX. SHIM THICKNESS TO BE 1/4".
- 4) ADD-ON FIN MAY BE REVERSED.
- 5) HYBRID CONFIGURATIONS (FLANGE FRAME/FIN FRAME) ALLOWED WITH MULLION INSTALLATION.

TIP-TO-TIP HEIGHT OF EXT. FLANGE

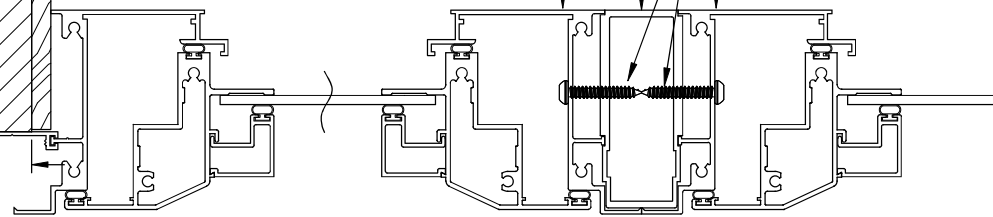
EXTERIOR

**FIN FRAME,
JAMB INSTALLATION**



FRAME ASSEMBLY TUBE
13" MAX. O.C.
3" APART AT MID-SPAN
#12 x 1" PH TEK SMS

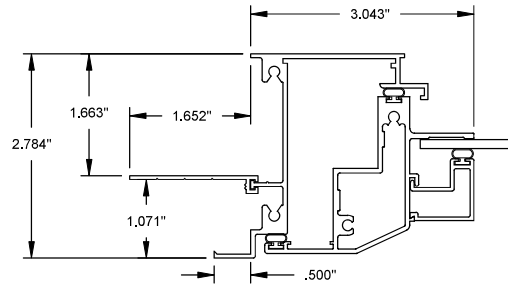
"X" FRAME JAMB



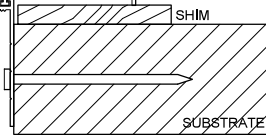
TIP-TO-TIP WIDTH SINGLE WINDOW

EXTERIOR

**FIN FRAME,
"XX" FRAME ASSEMBLY**



**FIN FRAME,
SILL INSTALLATION**



Revision: B) NO CHANGES IN THIS SHEET.

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	Date: 06/12/11	Rev. B
	ALUMINUM CASEMENT WINDOW (NI) FIN FRAME INSTALLATION OPT.	Drawn By: A. MORLESIN	No. 2 OF 2	Sheet: CA640

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 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
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