

SERIES 640 NON-IMPACT RESISTANT AWNING WINDOW
WITH ADD-ON CONTINUOUS NAILING FIN

- 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 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. 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

Tip-to-tip Size		Buck Size		Design Pressure		Product Rating
Width	Height	Width	Height	(+) psf	(-) psf	
60"	38-3/8"	59"	37-3/8"	60	60	AP-R60

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

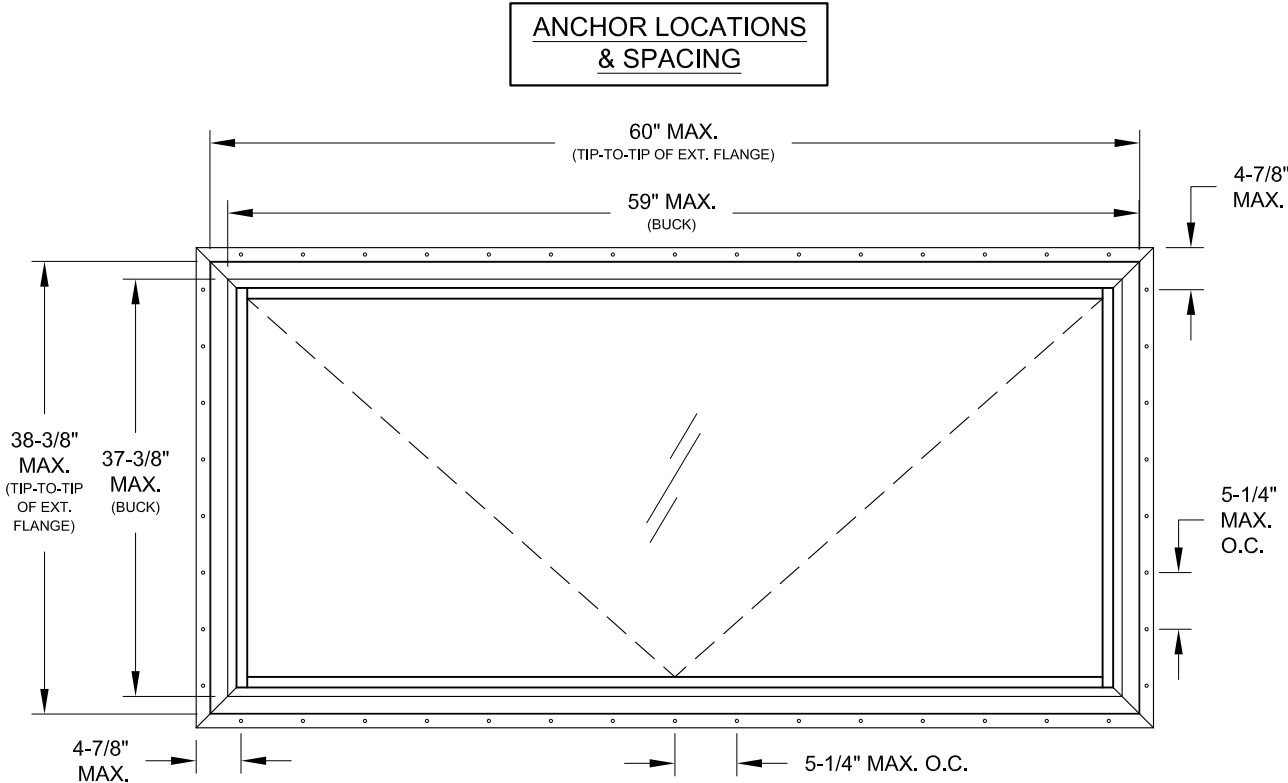
TABLE 2: ANCHORS FOR FIN WINDOWS

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"

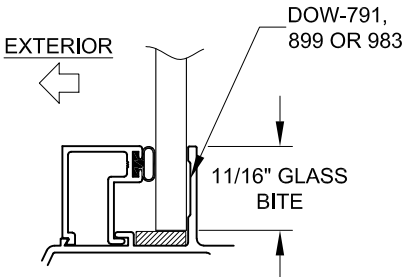
- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- 2) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

DESIGN PRESSURE RATING
SEE TABLE 1

IMPACT RATING
NOT RATED FOR IMPACT RESISTANCE



FIN FRAME, X



TYP. MONOLITHIC GLAZING

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

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		ALUMINUM AWNING WINDOW (NI)		Date		06/12/11				
				By						
				Drawn						
				JENS ROSOWSKI						
				ELEVATION & GENERAL NOTES						
AW640A		1 OF 2		DWG No.		AW640FPA-NI		Rev.#		D
Sheet		1 OF 2		DWG No.		AW640FPA-NI		Rev.#		D

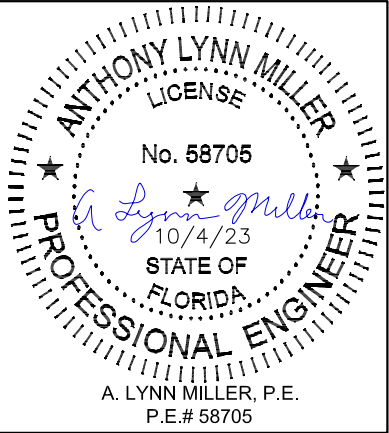


Figure 1 is a detailed cross-sectional diagram of a window frame assembly. The diagram shows a window frame with a multi-paneled design. Key components and labels include:

- EMBEDMENT:** Indicated by a horizontal double-headed arrow at the top, showing the width of the frame's base.
- SUBSTRATE:** The main structural material of the frame, shown with diagonal hatching.
- SHIM:** A thin layer between the substrate and the exterior wall, also shown with diagonal hatching.
- EDGE DISTANCE:** Two vertical arrows on the right side indicate the distance from the edge of the substrate to the centerline of the frame.
- EXTERIOR:** Labeled at the bottom left with an arrow pointing outwards, indicating the exterior side of the window.

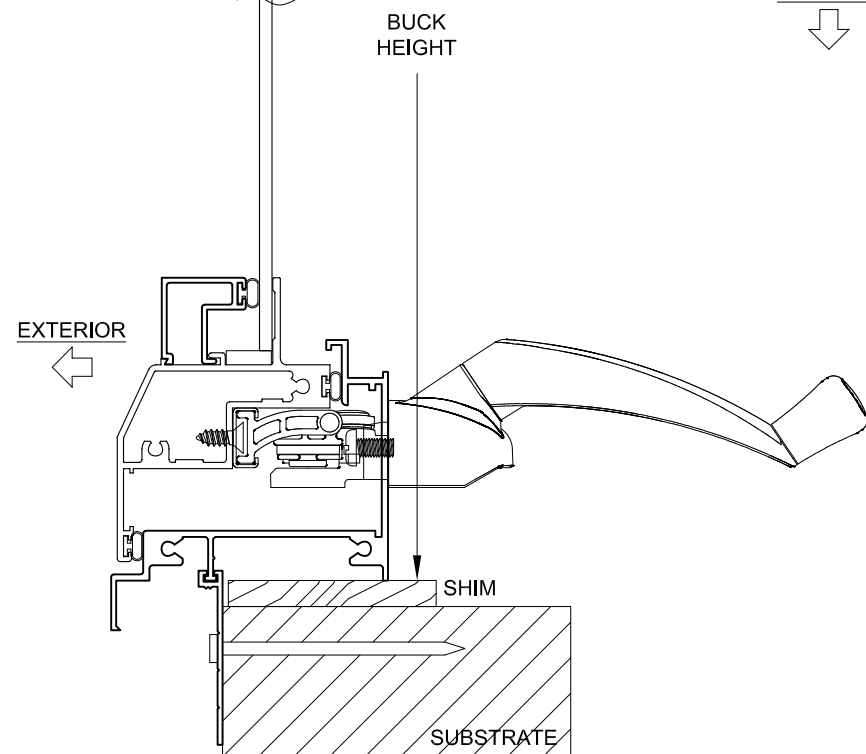
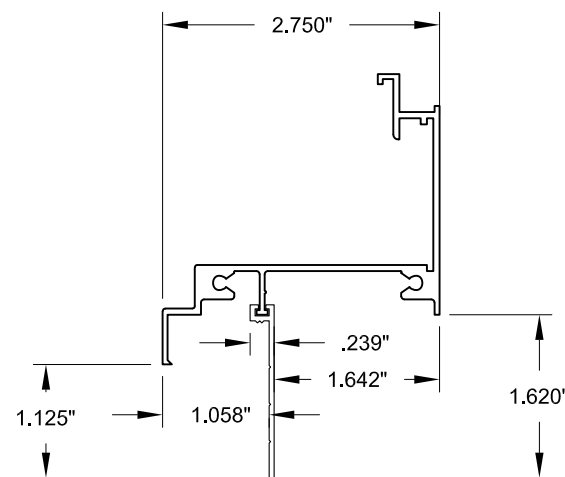
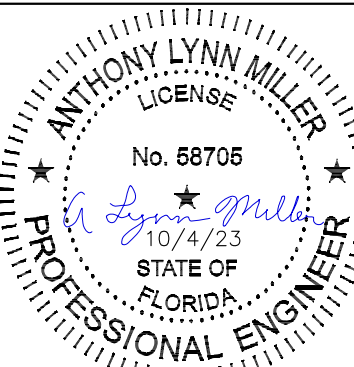


Diagram illustrating the cross-section of a fin frame, jamb installation. The diagram shows the frame assembly (labeled **FIN FRAME, JAMB INSTALLATION**) installed between two **SUBSTRATE** sections. A **SHIM** is used to secure the frame to the substrate. The **BUCK WIDTH** is indicated as the distance between the inner faces of the shims. The exterior side is marked with **EXTERIOR** and a downward arrow.



- 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.

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	ALUMINUM AWNING WINDOW (NI)		JENS ROSOWSKI		D Rev.#		
	FIN FRAME INSTALLATION Sheet		No. 2 Dwg		AW640FPA-NI By		
Series		Desc.		Title		AW640A FIN FRAME INSTALLATION	



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