

GENERAL NOTES :

- 1) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO COMPLY WITH THE FLORIDA 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 TABLE 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 APPROPRIATE FOR SUBSTRATE MATERIAL. DISSIMILAR MATERIALS SHALL BE PROTECTED AS REQUIRED TO PREVENT REACTIONS. ALUMINUM SHALL BE PROTECTED FROM DISSIMILAR MATERIALS AS SPECIFIED IN THE FLORIDA 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.
- 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

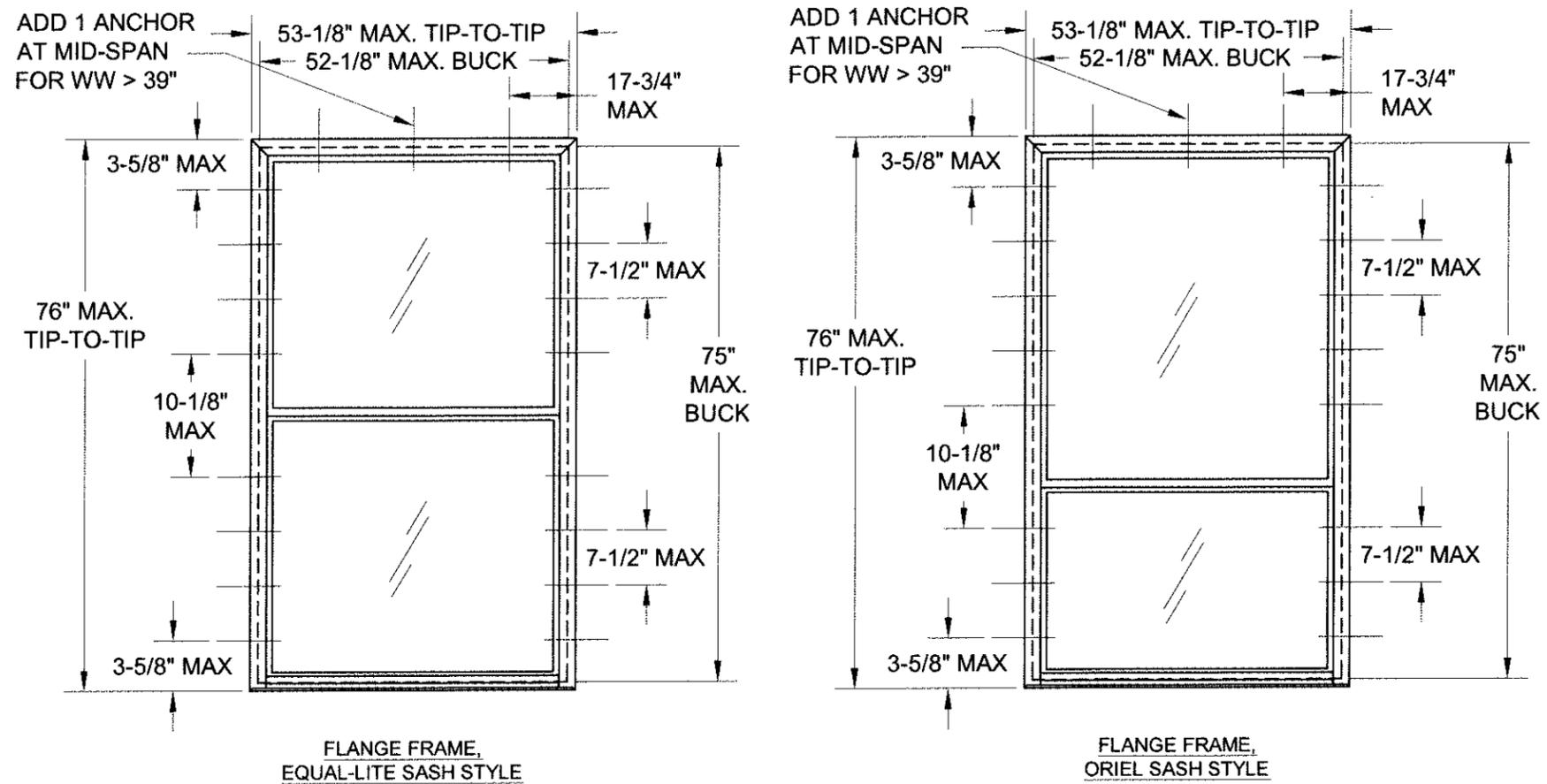


TABLE 1:

Buck Size		Sash Style	Design Pressure		Options	Certification Numbers	Test Reports
Width	Height		(+) psf	(-) psf			
52-1/8"	75"	Equal Lite or Oriel	80	110	No Reinf., TP. Glass	190-427, 428	ATI-76462.01
			80	150	Rail Reinf., TP. Glass		

TABLE 2:

Anchor Type	Substrate	Min. Edge Dist.	Min. Embedment
#12 Steel SMS	Wood (Southern Pine)	1/2"	1-3/8"
	Steel Stud Gr 33	3/8"	.045 (18 GA)
	Aluminum-6063-T5	3/8"	1/8"
	Steel, A36	3/8"	1/8"
1/4" Masonry Anchor	Concrete	1"	1-3/8"
	Hollow CMU	2-1/2"	1-1/4"

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

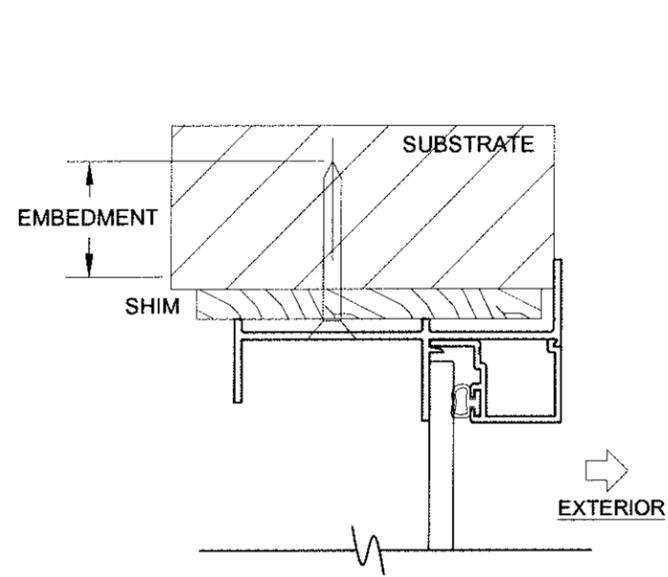
TABLE 1:

Buck Size	Sash Style	Design Pressure (+) psf	Design Pressure (-) psf	Options	Certification Numbers	Test Reports
52-1/8"	Equal Lite or Oriel	80	110	No Reinf., TP. Glass	190-427, 428	ATI-76462.01
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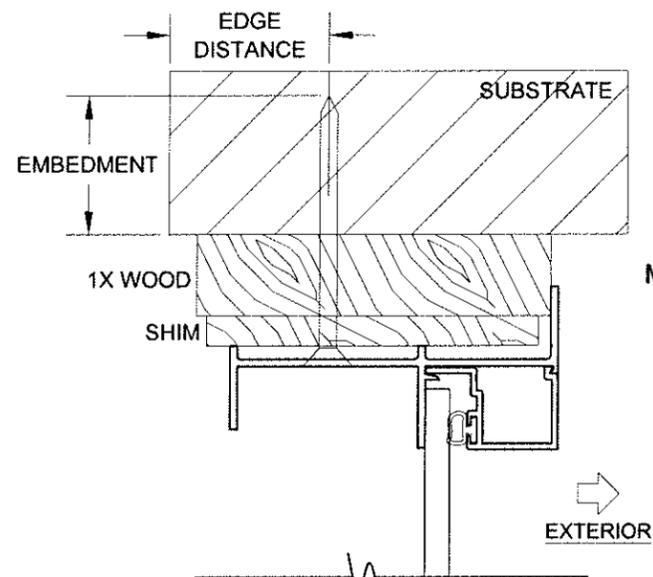
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
FL CERT. OF AUTH. : 29296

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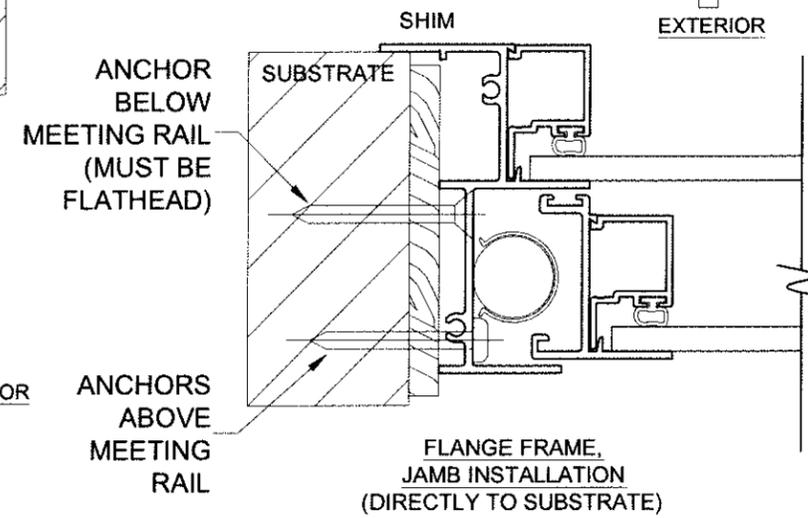
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Revsd By:	Date:	Revisions:	
Description:			
Title:			
SINGLE HUNG INSTALLATION			
Series/Model:	Scale:	Sheet:	Drawing No.
SH-800	NTS	1 of 2	3031116JR



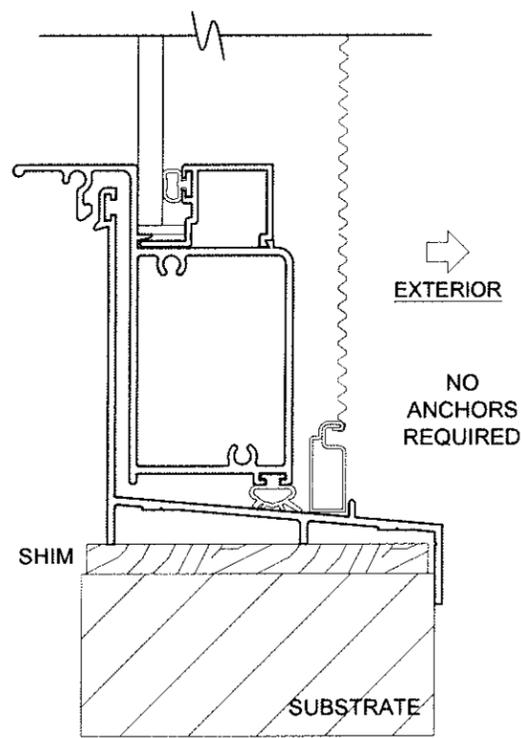
FLANGE FRAME,
HEAD INSTALLATION
(DIRECTLY TO SUBSTRATE)



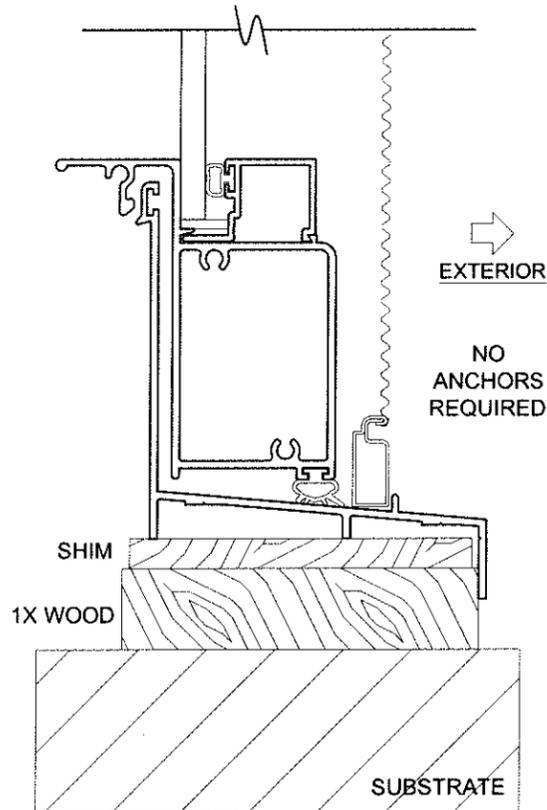
FLANGE FRAME,
HEAD INSTALLATION
(USING 1X WOODSTRIP)



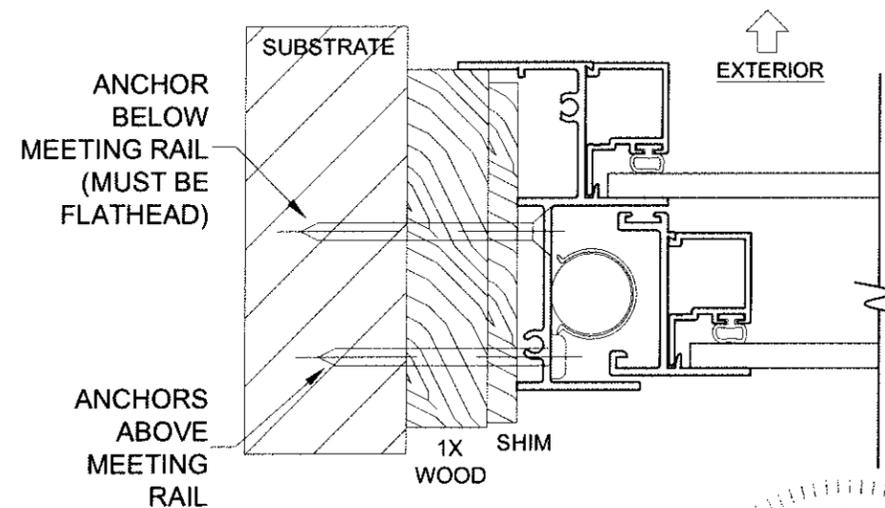
FLANGE FRAME,
JAMB INSTALLATION
(DIRECTLY TO SUBSTRATE)



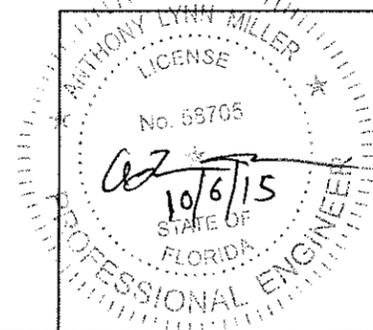
FLANGE FRAME,
SILL INSTALLATION
(DIRECTLY TO SUBSTRATE)



FLANGE FRAME,
SILL INSTALLATION
(USING 1X WOODSTRIP)



FLANGE FRAME,
JAMB INSTALLATION
(USING 1X WOODSTRIP)



INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR ANCHORAGE, SUBSTRATE AND SPACING REQUIREMENTS.
- 2) FOR SMOOTH SASH OPERATION, THE ANCHORS BELOW THE MEETING RAIL MUST BE FLATHEADS. FOR ALL OTHER ANCHORS, FLATHEADS ARE RECOMMENDED BUT NOT REQUIRED.
- 3) MAX. SHIM THICKNESS TO BE 1/4".
- 4) FLANGE MAY BE REMOVED TO CREATE EQUAL-LEG FRAME - USE FLANGE FRAME INSTALLATION.

 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 FL CERT. OF AUTH. : 29296	Drawn By:	Date:	Material:	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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	Revised By:	Date:	Revisions:	
	Description:			
	Title:			
	SINGLE HUNG INSTALLATION			
A. Lynn Miller, P.E. P.E. #58705	Series/Model:	Scale:	Sheet:	Drawing No.
	SH-800	NTS	2 of 2	3031511JR
				Rev: