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.

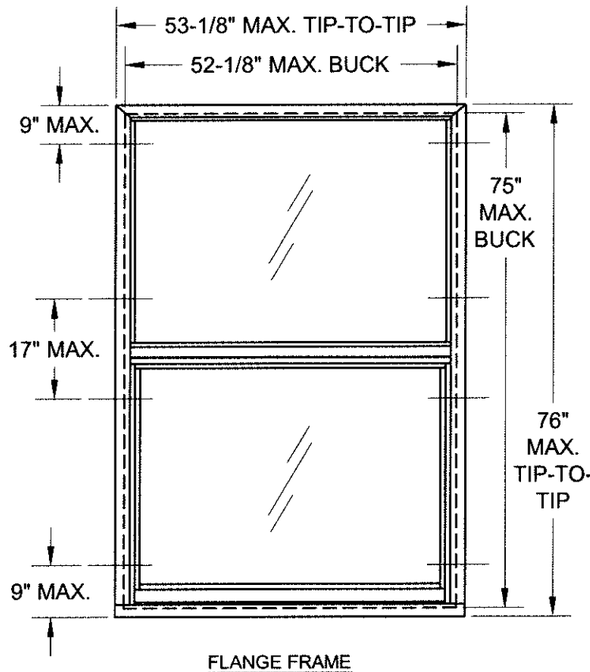
8) THE 1/3 STRESS INCREASE WAS NOT USED IN THIS ANCHOR EVALUATION. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF WOOD SCREWS.

9) EQUAL LITE SHOWN. ANCHOR QUANTITY AND SPACING APPLIES TO ORIEL SASH UNITS AS WELL. PRODUCT MAY BE INSTALLED INTO STEEL OR ALUMINUM SIMILAR TO THE WOOD INSTALLATION DETAILS.

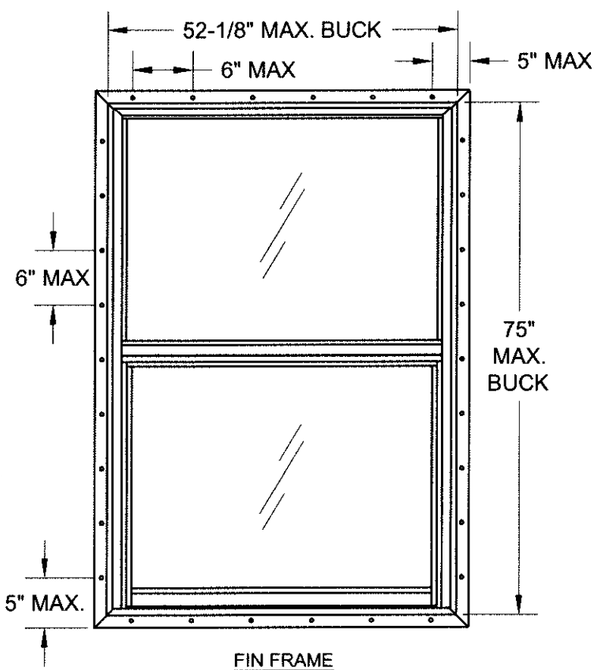
10) PASS-THRU PRODUCT HAS NOT BEEN CERTIFIED FOR WATER INFILTRATION AND MUST BE LOCATED IN UNEXPOSED AREAS.

11) THE 200 SERIES WAS FORMERLY KNOWN AS THE 4000/4001 SERIES.

ANCHOR LOCATIONS & SPACING



FLANGE FRAME



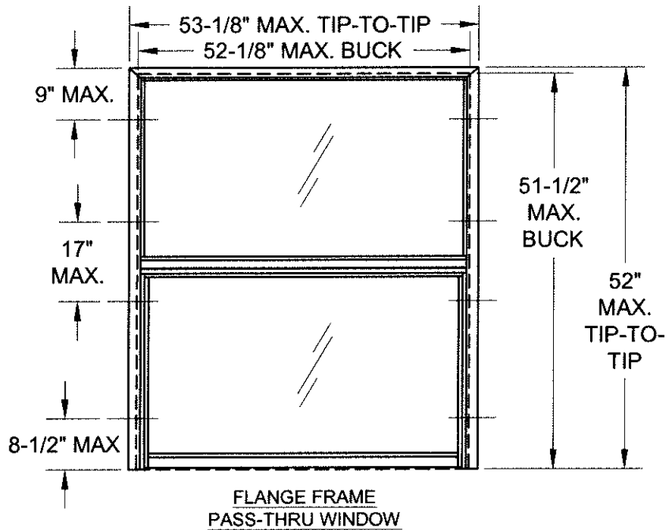
FIN FRAME

TABLE 3: FIN & FLANGE STANDARD WINDOWS

Buck Size		Sash Style	Design Pressure		Certification Numbers
Width	Height		(+) psf	(-) psf	
52-1/8"	75"	Equal Lite	55	55	190-478, 479, 493, 494
		Oriel	55	55	

TABLE 4: FLANGE PASS-THRU WINDOW

Buck Size		Design Pressure		Certification Numbers
Width	Height	(+) psf	(-) psf	
52-1/8"	51-1/2"	65	65	190-1002



FLANGE FRAME
PASS-THRU WINDOW

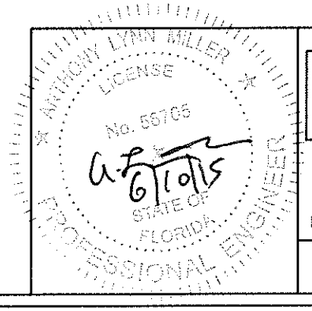
TABLE 1: FLANGE WINDOWS (STANDARD AND PASS-THRU)

Anchor Type	Substrate	Min. Edge Dist.	Min. Embedment
#10 Steel SMS	Wood (Southern Pine)	7/16"	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 2: FIN WINDOWS (STANDARD WINDOW)

Anchor Type	Substrate	Min. Edge Dist.	Min. Embedment
1-1/2" x .135" Roofing Nail	Wood (Southern Pine)	3/8"	1-7/16"
#12 Panhead SMS	Wood (Southern Pine)	9/16"	1-3/8"
#10 Trusshead Screw	Wood (Southern Pine)	7/16"	1-3/8"



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A. Lynn Miller, P.E.
P.E. #58705

Drawn By:	Date:	Material:
J. ROSOWSKI	08/08/11	ALUMINUM 6063-T6

Revsd By:	Date:	Revisions:

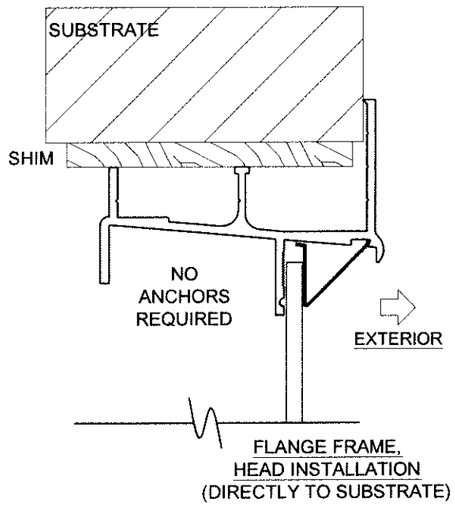
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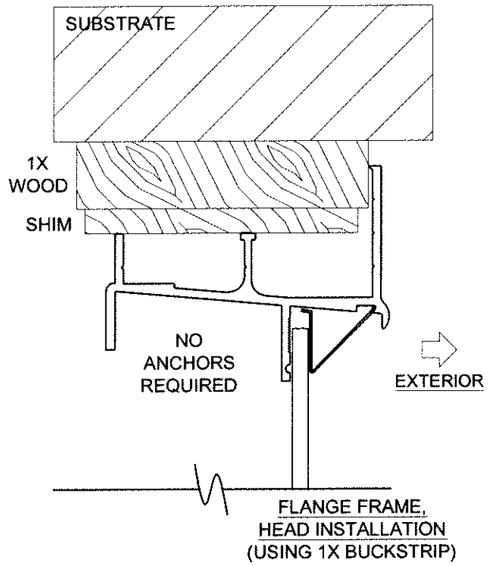
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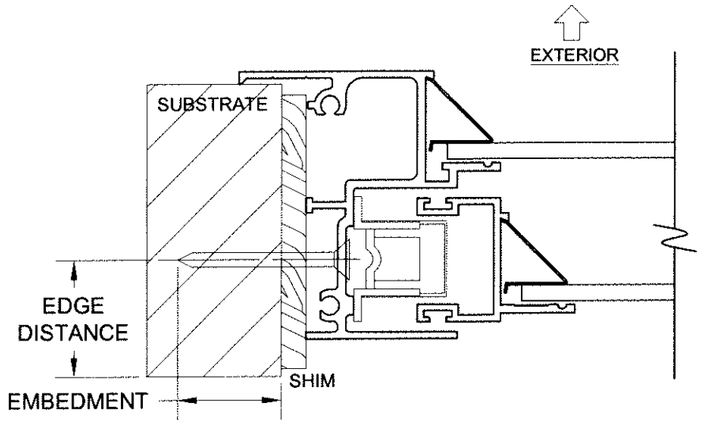
INSTALLATION WITH FLANGE FRAME



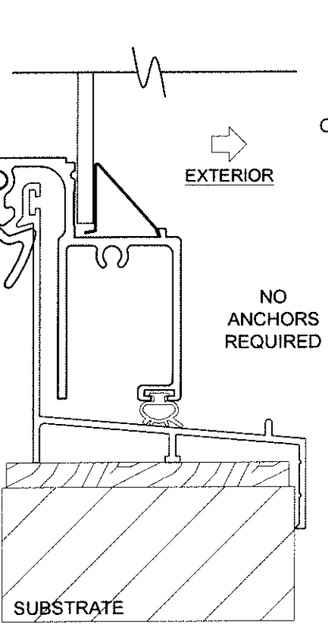
FLANGE FRAME,
HEAD INSTALLATION
(DIRECTLY TO SUBSTRATE)

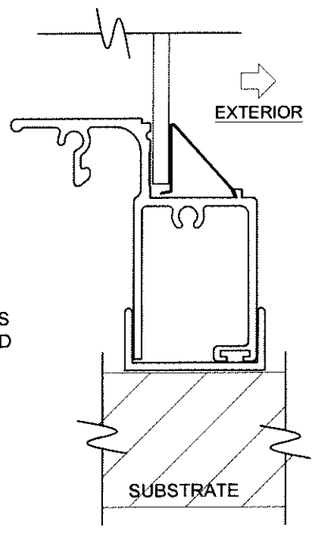


FLANGE FRAME,
HEAD INSTALLATION
(USING 1X BUCKSTRIP)



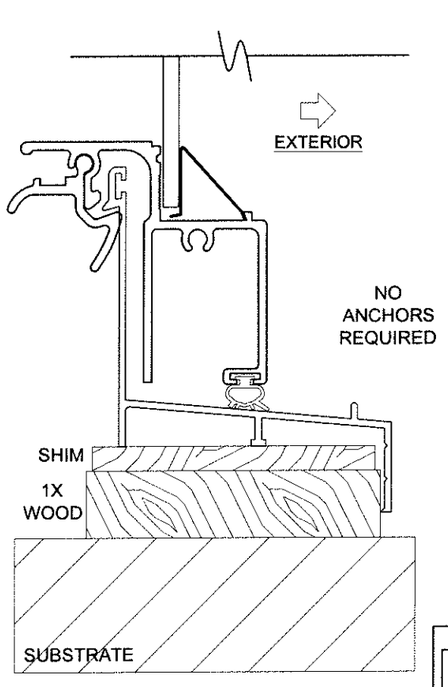
FLANGE FRAME,
JAMB INSTALLATION
(DIRECTLY TO SUBSTRATE)



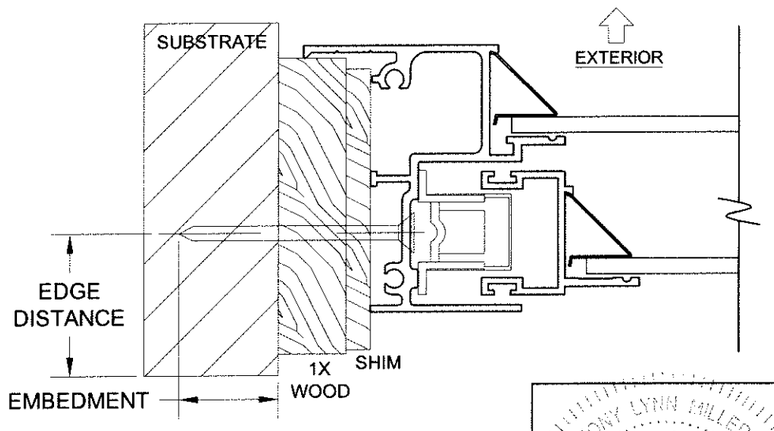


FLANGE FRAME,
PASS-THRU WINDOW
SILL INSTALLATION
(DIRECTLY TO SUBSTRATE)

FLANGE FRAME,
SILL INSTALLATION
(DIRECTLY TO SUBSTRATE)



FLANGE FRAME,
SILL INSTALLATION
(USING 1X BUCKSTRIP)



FLANGE FRAME,
JAMB INSTALLATION
(USING 1X BUCKSTRIP)

INSTALLATION NOTES:

1) SEE SHEET 1 FOR ANCHORAGE, SUBSTRATE AND SPACING REQUIREMENTS.
2) GLASS SHOWN AS EXAMPLE. MAY VARY BY SERIES AND DESIGN PRESSURE REQUIREMENTS.
3) FOR SMOOTH SASH OPERATION, THE ANCHORS MUST BE FLATHEADS.
4) MAX. SHIM THICKNESS TO BE 1/4".
5) FLANGE MAY BE REMOVED TO CREATE EQUAL-LEG FRAME - USE FLANGE FRAME INSTALLATION.

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
6/10/15

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Drawn By:	Date:	Material:	
J. ROSOWSKI	08/08/11	ALUMINUM 6063-T6	
Revsd By:	**Date:**	**Revisions:**	

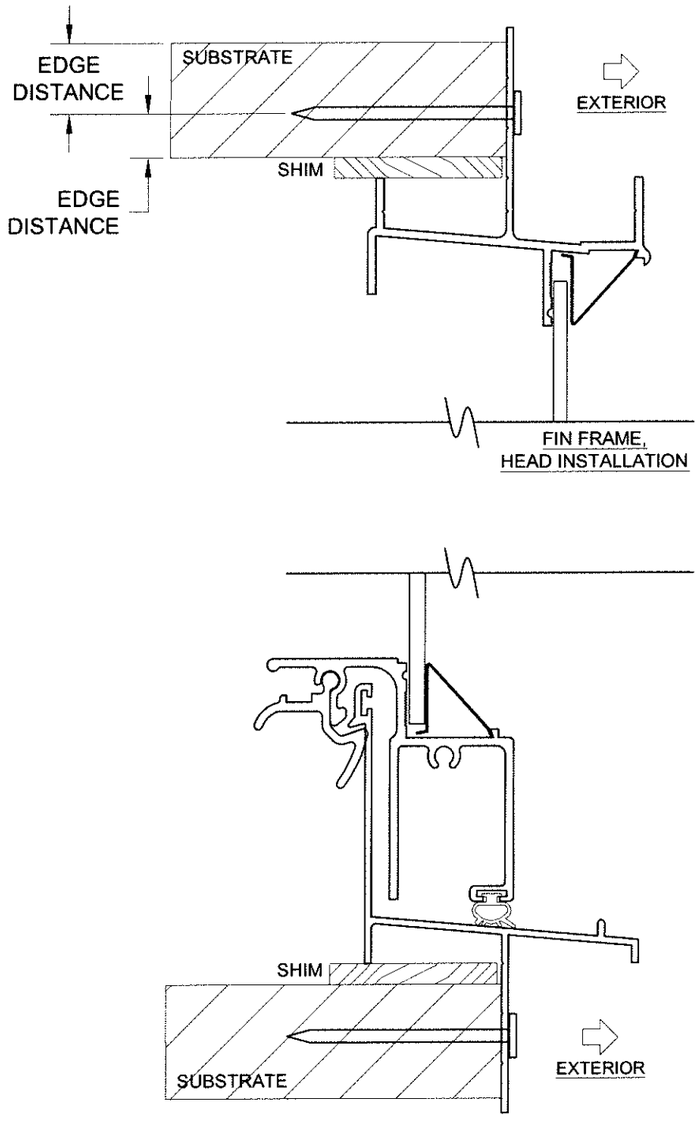
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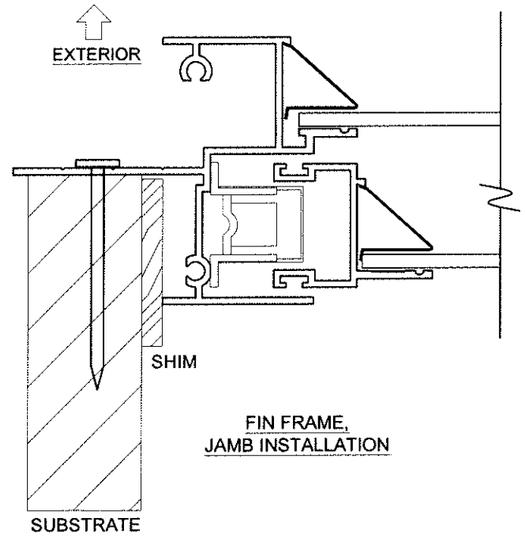
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INSTALLATION WITH FIN FRAME



FIN FRAME, SILL INSTALLATION



FIN FRAME, JAMB INSTALLATION

INSTALLATION NOTES:

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3) FOR SMOOTH SASH OPERATION, THE ANCHORS MUST BE FLATHEADS.
4) MAX. SHIM THICKNESS TO BE 1/4".
5) FIN MAY BE REMOVED TO CREATE EQUAL-LEG FRAME - USE FLANGE FRAME INSTALLATION.

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