

SERIES 1622 VINYL SINGLE HUNG WINDOW
NON-IMPACT RESISTANT

FLORIDA PRODUCT APPROVAL #47000

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

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

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 AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).

4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE EMBEDMENT. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

5) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. FOR INTEGRAL FIN FRAMES INSTALL SHIMS AT MAX. 18" O.C.

6) DESIGN PRESSURES:

A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.

B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.

C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.

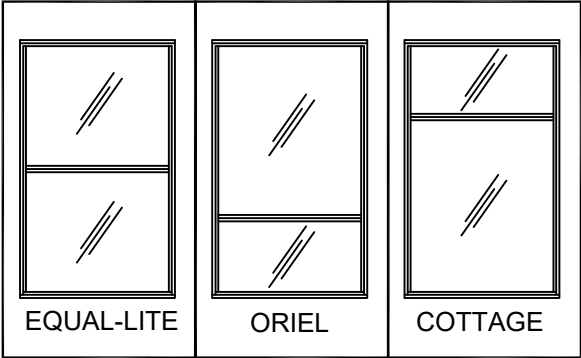
7) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

8) REFER TO CURRENT FLORIDA BUILDING CODE FOR EGRESS REQUIREMENTS.

9) FRAME FLANGES OR INTEGRAL FINNS MAY BE TRIMMED IN-FIELD TO CREATE A FINLESS FRAME.

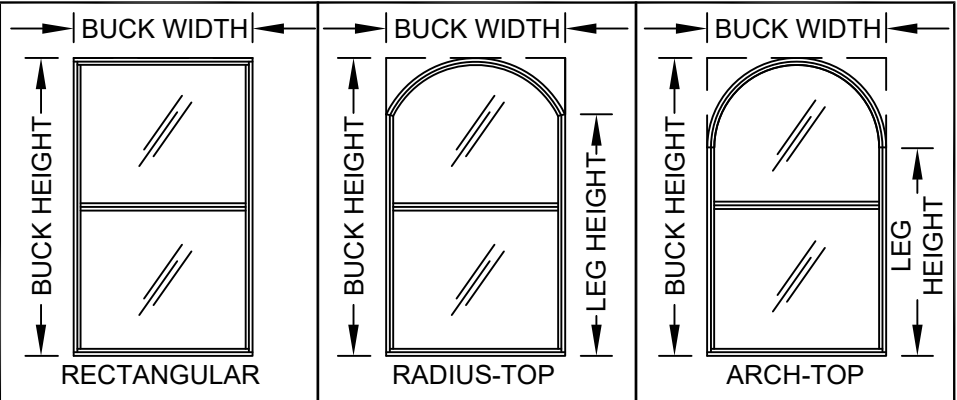
WHERE THE PRODUCT WILL BE INSTALLED WITHIN 3,000 FEET OF A SALTWATER COASTLINE, IT MUST COMPLY WITH SECTION 1711 OF THE FBC, BUILDING OR R332 OF THE FBC, RESIDENTIAL.

FIGURE A: FRAME CONFIGURATIONS

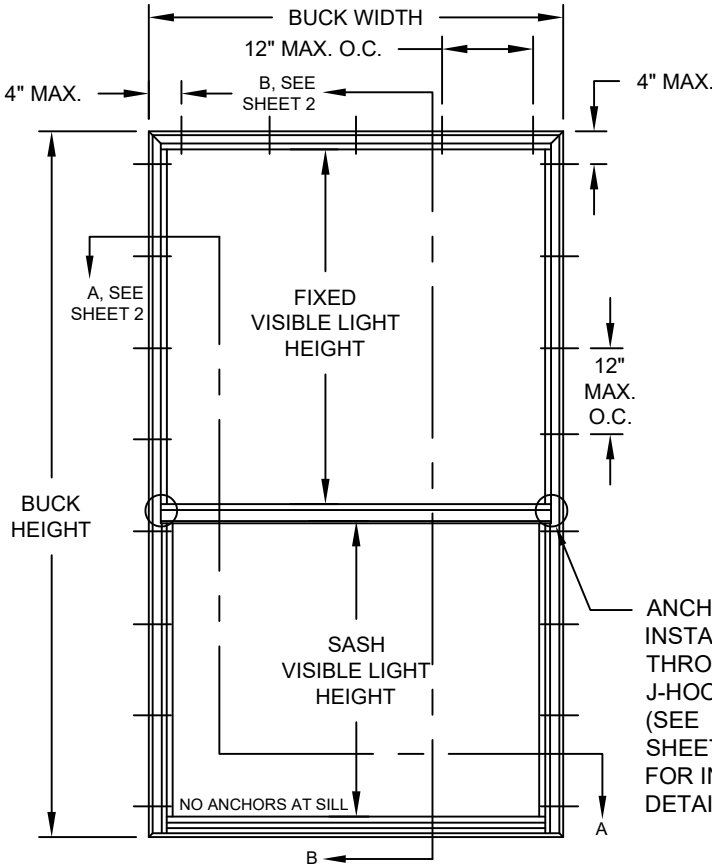


ALL CONFIGURATIONS SHOWN IN FIGURE A ARE APPROVED PROVIDED THAT THE MAX. OVERALL FRAME AND VISIBLE LIGHT DIMENSIONS FROM TABLE 1 ARE NOT EXCEEDED.

FIGURE B: FRAME SHAPES



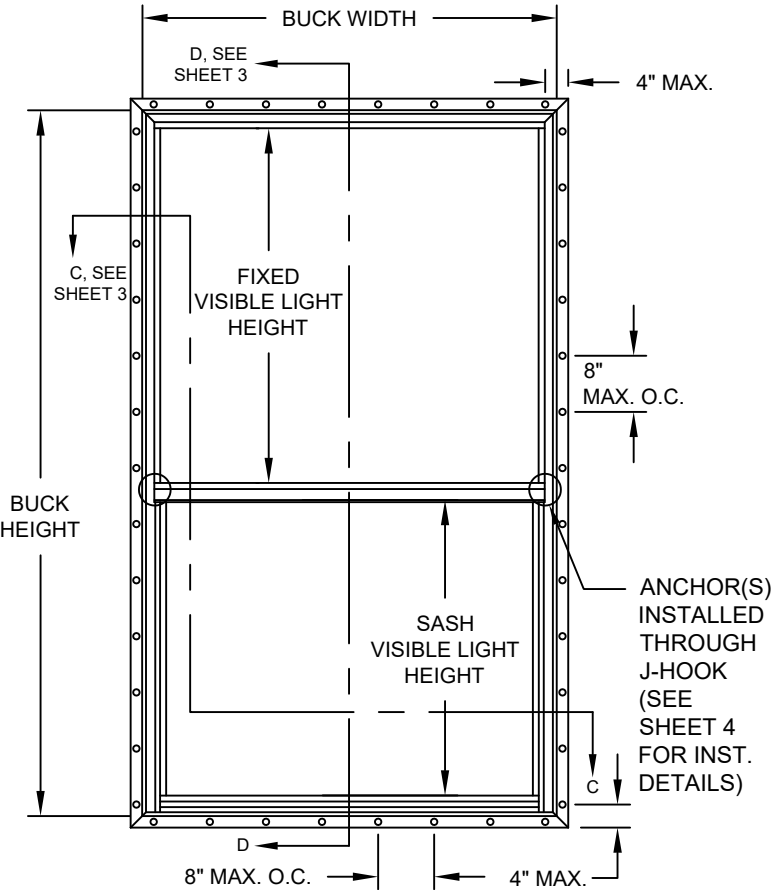
WINDOW SHAPES AS ABOVE OR SIMILAR ARE APPROVED. SHAPES MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK AND OBTAINING DESIGN PRESSURES AND ANCHORAGE FOR THAT BLOCK SIZE FROM THE SIZES SHOWN IN TABLE 1.



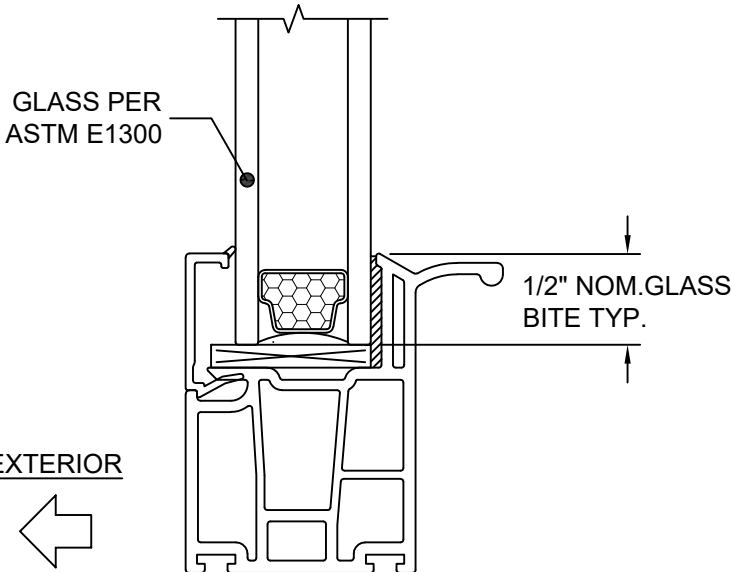
ELEVATION FOR TYP.
FINLESS FRAME

TABLE 1:

Buck Size	Max. Sash Visible Light Height	Max. Fixed Visible Light Height	Rating	Design Pressure	CPD No.
36" x 60"	26-3/8"	26-1/8"	LC-PG50	+/-50	23191
52" x 100"	38-1/16"	54-1/2"	LC-PG25	+/-25	23192
48" x 110"	38-1/16"	64-1/4"	R-PG20	+/-20	23190



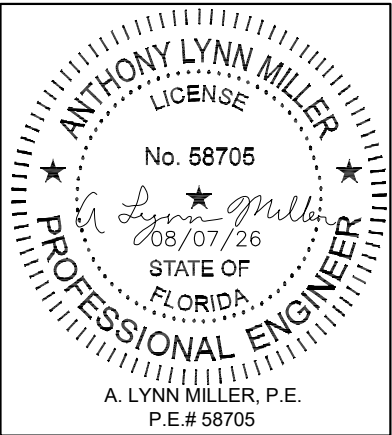
ELEVATION FOR TYP.
FIN FRAME

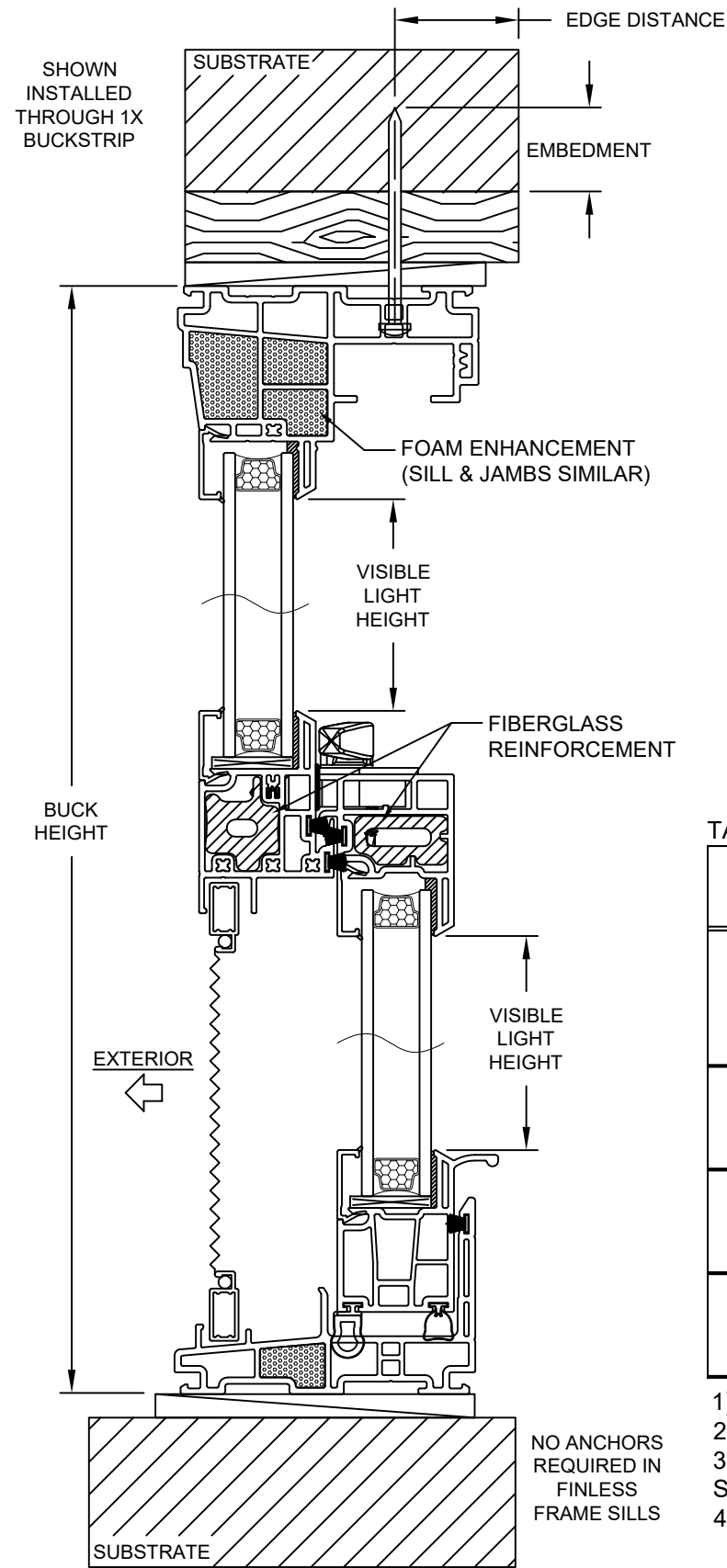


TYP. GLAZING DETAIL

DESIGN PRESSURE RATING
SEE TABLE 1
WATER TEST PRESSURE
15% OF (+) DP
IMPACT RATING
NOT RATED FOR IMPACT RESISTANCE

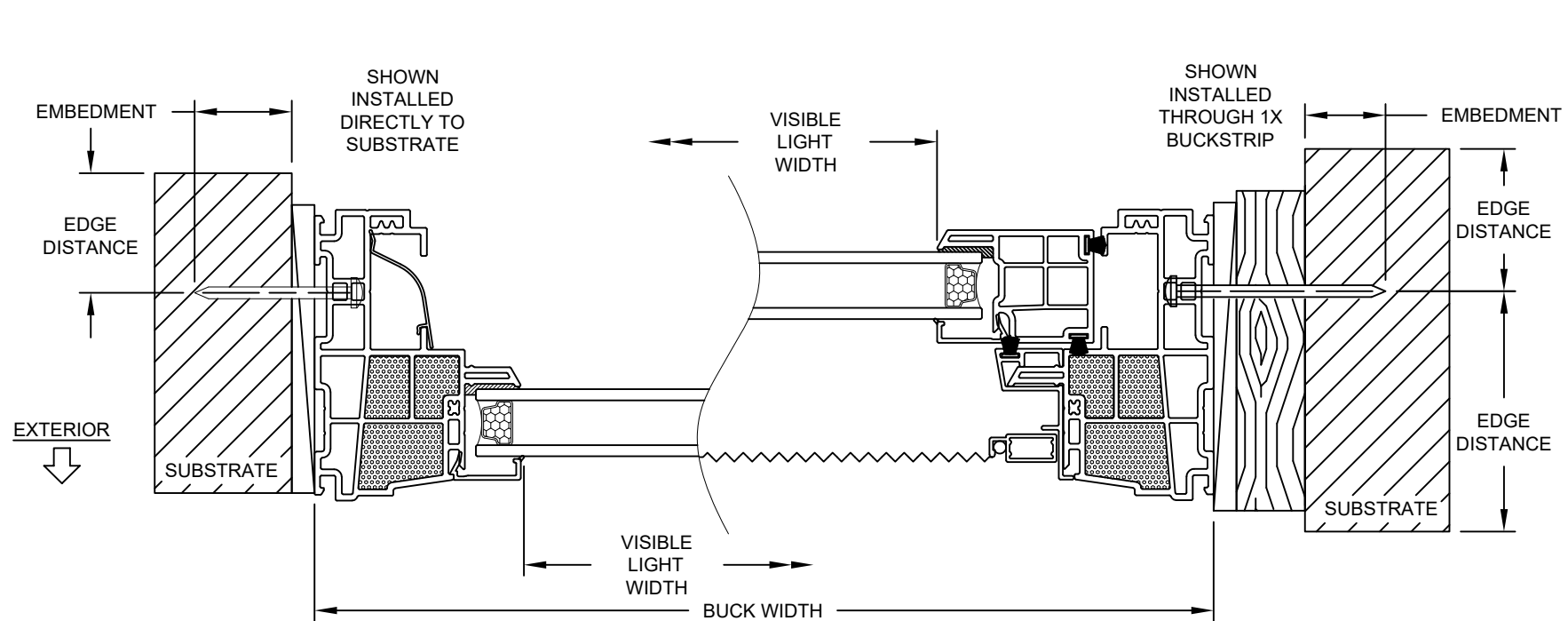
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Series	Desc.	Title	VINYL SINGLE HUNG WINDOW (LM)			Date	08/07/26		
ELEVATION & GENERAL NOTES			Drawn By		COLTON KEMPf				
1622 SH		Sheet	1 OF 4		DWG No.		1622SH-NI		





VERTICAL SECTION B-B

NO ANCHORS
REQUIRED IN
FINLESS
FRAME SILLS

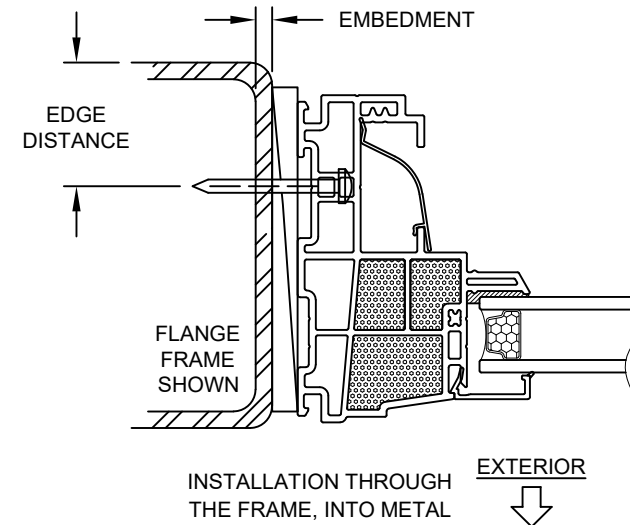


HORIZONTAL SECTION A-A

TABLE 2: WINDOW ANCHORS FOR FLANGE OR FINLESS FRAMES

Anchor	Substrate	Min. Edge Distance	Min. Embedment
#8 SMS Carbon Steel or 18-8, 316, 410 SS	Spruce-Pine-Fir (SG=0.42)	7/16"	1-3/8"
	Steel, A36	1/4"	0.0346" (20 Ga.)
	Steel Stud, A653 Gr. 33	1/4"	0.0346" (20 Ga.)
	Aluminum, 6063-T5	1/4"	0.0451" (18 Ga.)
3/16" Steel Ultracon+	Spruce-Pine-Fir (SG=0.42)	1/2"	1-3/8"
	Concrete (min. 3.00 ksi)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
1/4" 304 SS Aggre-Gator	Spruce-Pine-Fir (SG=0.42)	1"	1-3/8"
	Concrete (min. 2.22 ksi)	1-1/2"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	2"	1-1/4"
1/4" 410 SS Creteflex	Spruce-Pine-Fir (SG=0.42)	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) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- 2) MIN. OF 3 THREADS BEYOND METAL SUBSTRATE.
- 3) 18-8 FASTENERS SHALL BE MANUFACTURED FROM TYPE 304 OR 305 STAINLESS STEEL PER ASTM A240.
- 4) ALL SCREWHEAD TYPES ARE APPLICABLE.



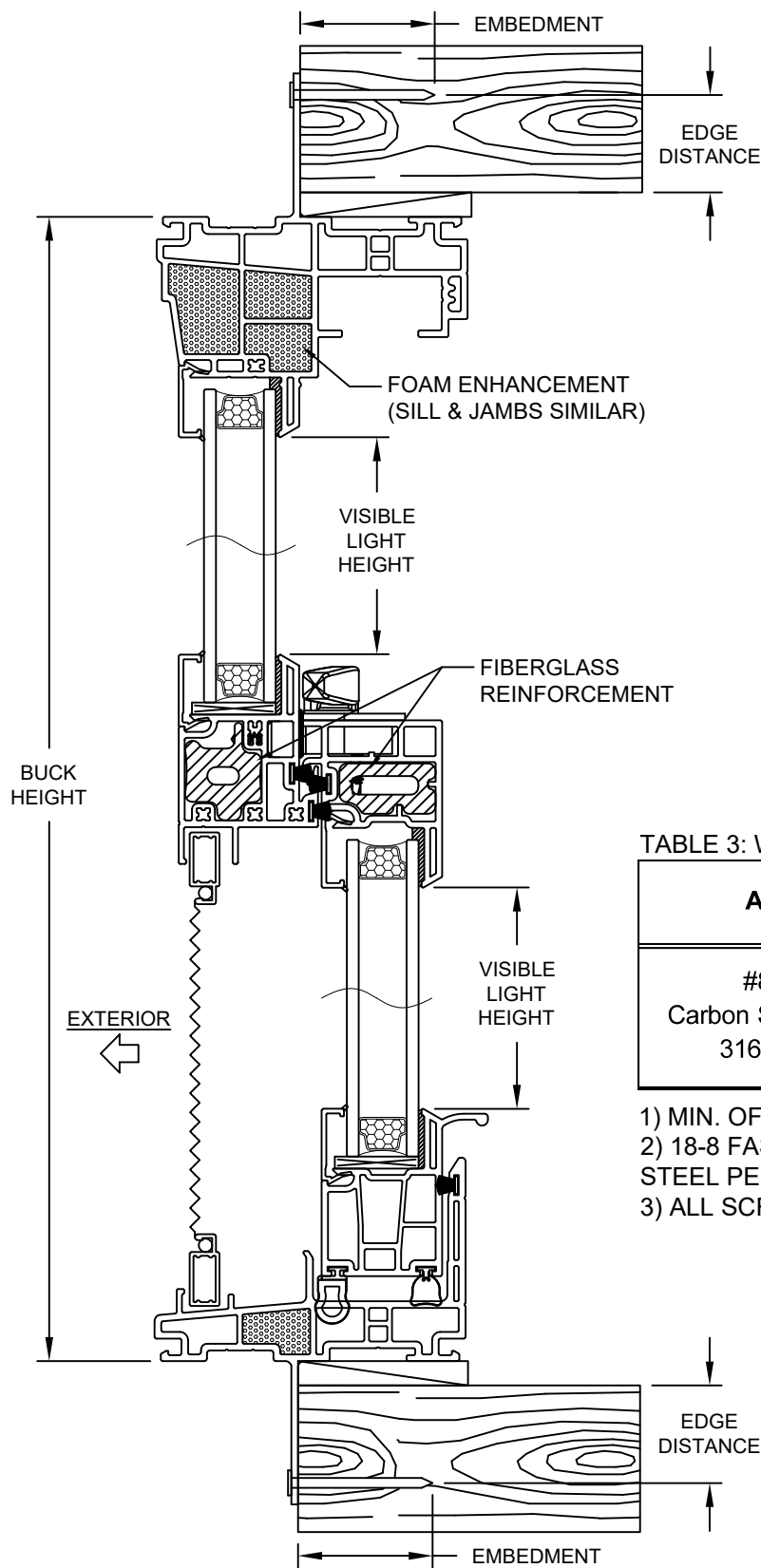
HORIZONTAL SECTION A-A (2)

INSTALLATION NOTES:

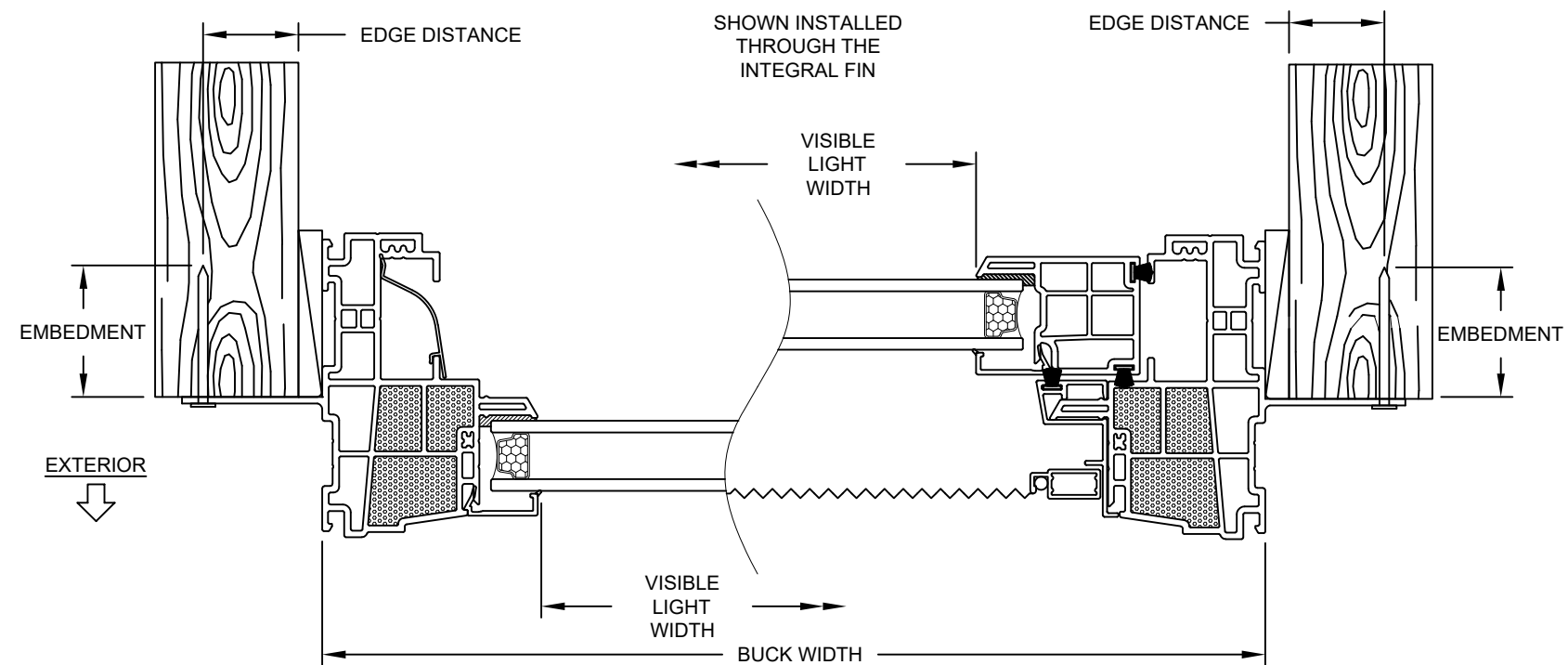
- 1) REFER TO SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
- 2) REFER TO TABLE 2 FOR ANCHORAGE AND SUBSTRATE REQUIREMENTS.
- 3) MAXIMUM SHIM THICKNESS TO BE 1/4"

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FINLESS INSTALL. DETAILS		1622 SH Sheet	2 OF 4 No.	1622SH-NI	

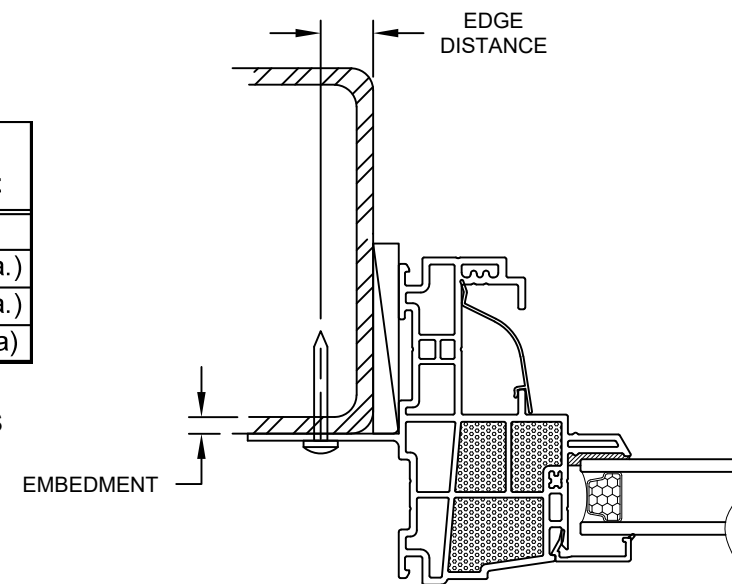
ANTHONY LYNN MILLER
LICENSE
No. 58705
08/07/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



VERTICAL SECTION D-D



HORIZONTAL SECTION C-C



HORIZONTAL SECTION C-C (2)

TABLE 3: WINDOW ANCHORS FOR FIN FRAMES

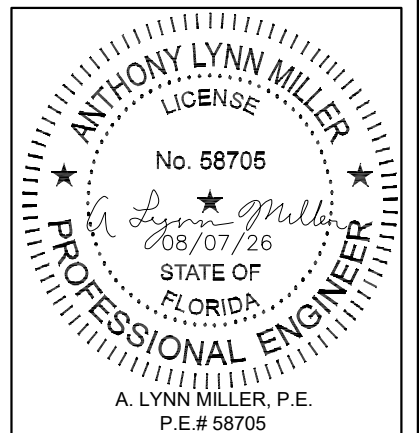
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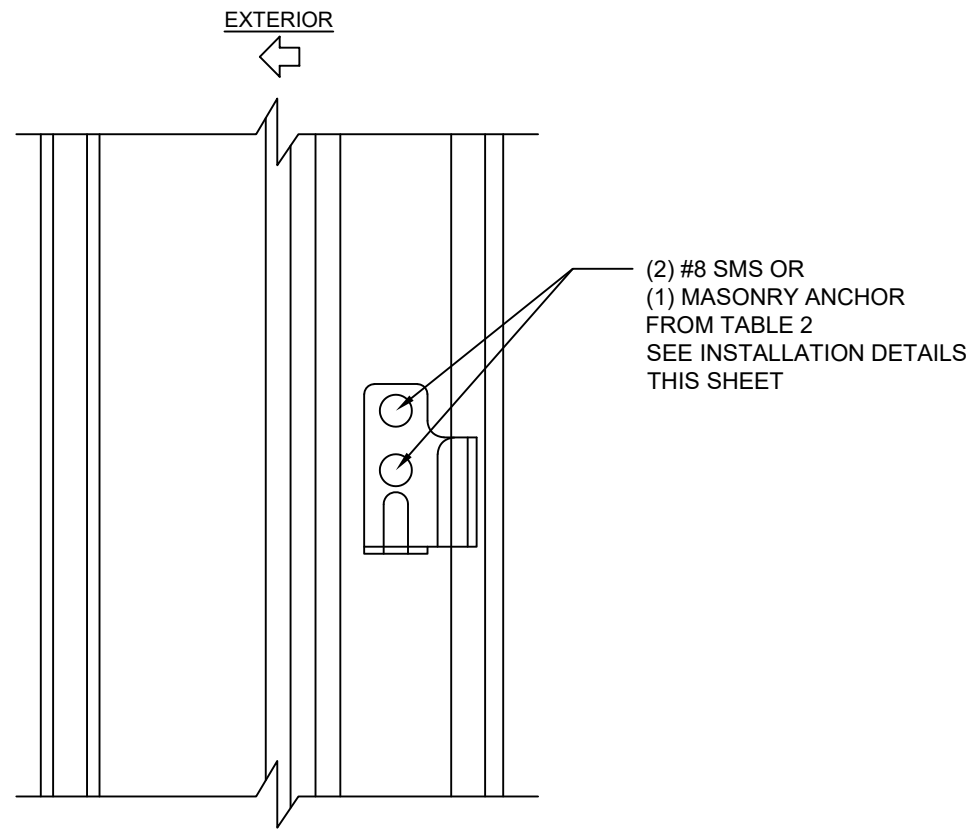
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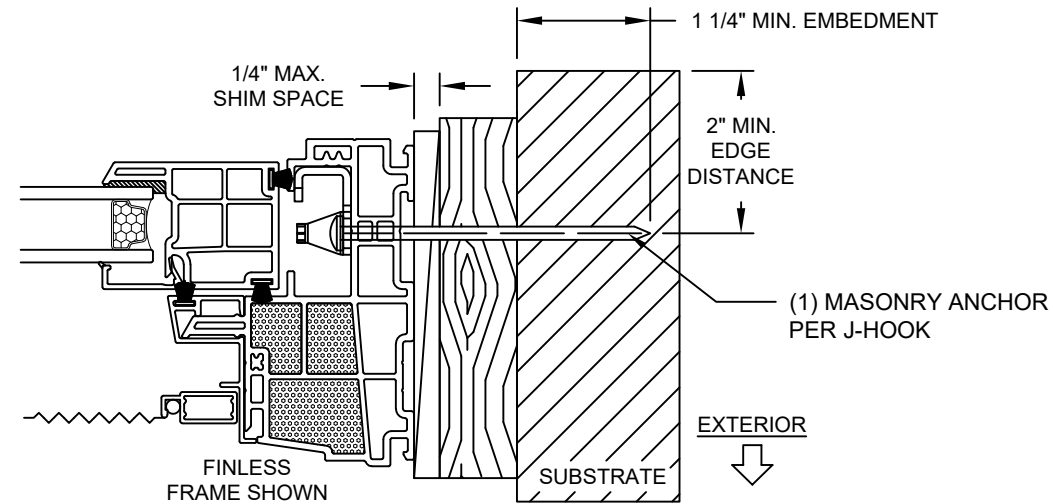
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	VINYL SINGLE HUNG WINDOW (LM)		08/07/26	
	NAIL FIN INSTALL. DETAILS		COLTON KEMPf	
1622 SH	3 OF 4	DWG No.	1622SH-NI	
Sheet		By		

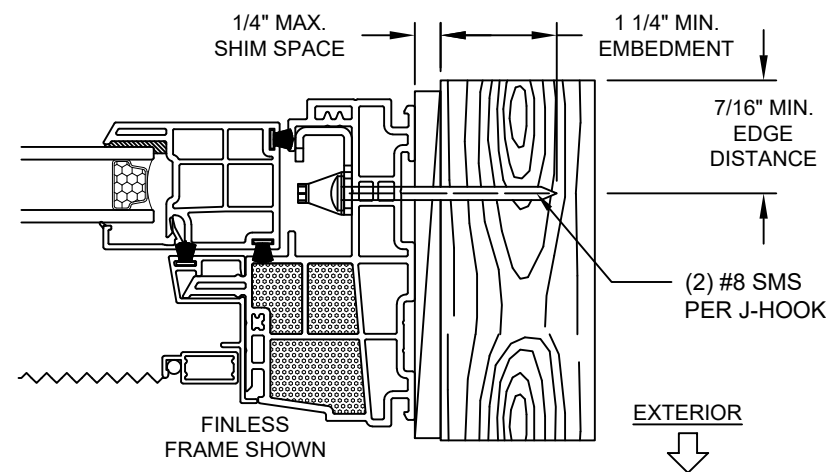




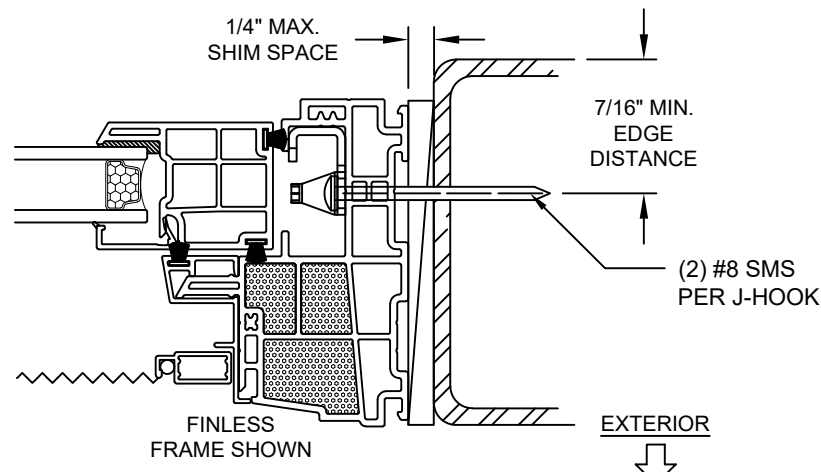
J-HOOK TO JAMB CONNECTION DETAIL



J-HOOK INSTALLATION DETAIL
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAILS ON SHEET 3



J-HOOK INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



J-HOOK INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTE: ANCHOR LENGTH TO BE SO THAT A MINIMUM OF
3 THREADS EXTEND PAST THE METAL SUBSTRATE

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 LICENSE
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A. Lynn Miller
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 A. LYNN MILLER, P.E.
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