

SERIES 3500 PW VINYL PICTURE WINDOW
NON-IMPACT RESISTANT

FLORIDA PRODUCT APPROVAL #18644

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, **NOT** INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

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.

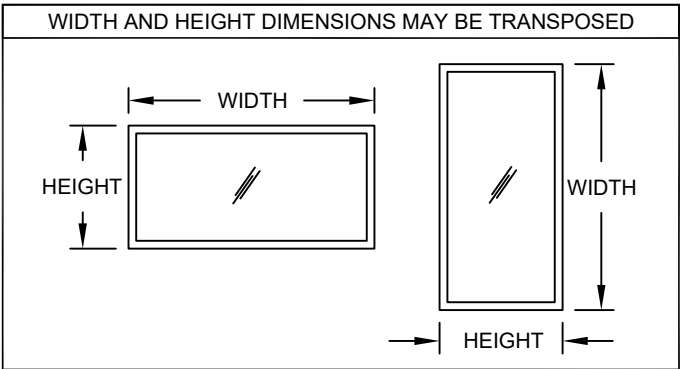
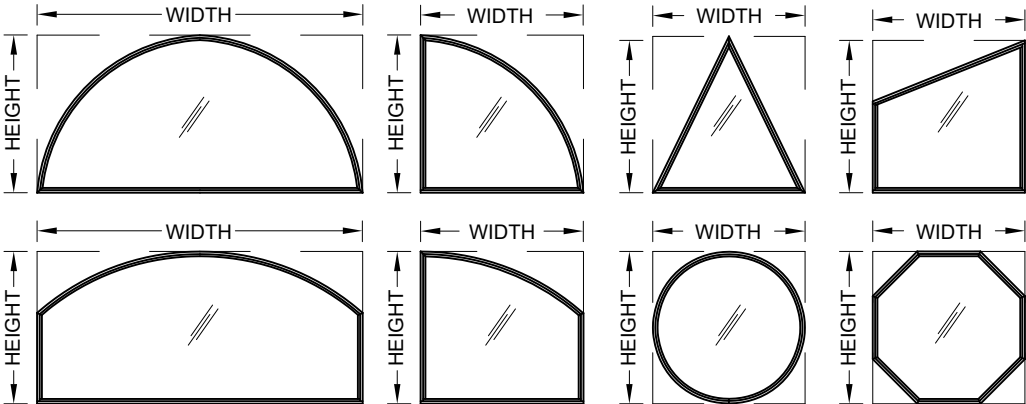
- 6) DESIGN PRESSURES:
- A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
 - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
 - C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, 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) FRAME FLANGES OR INTEGRAL FINNS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.

VISIBLE LIGHT SIZE = BUCK SIZE - 1-5/8"

SHAPES AS SHOWN BELOW, OR SIMILAR, MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK SIZE GIVEN BY MAXIMUM WIDTH AND MAXIMUM HEIGHT FOR EACH GLASS TYPE SHOWN ON THIS PAGE.



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.

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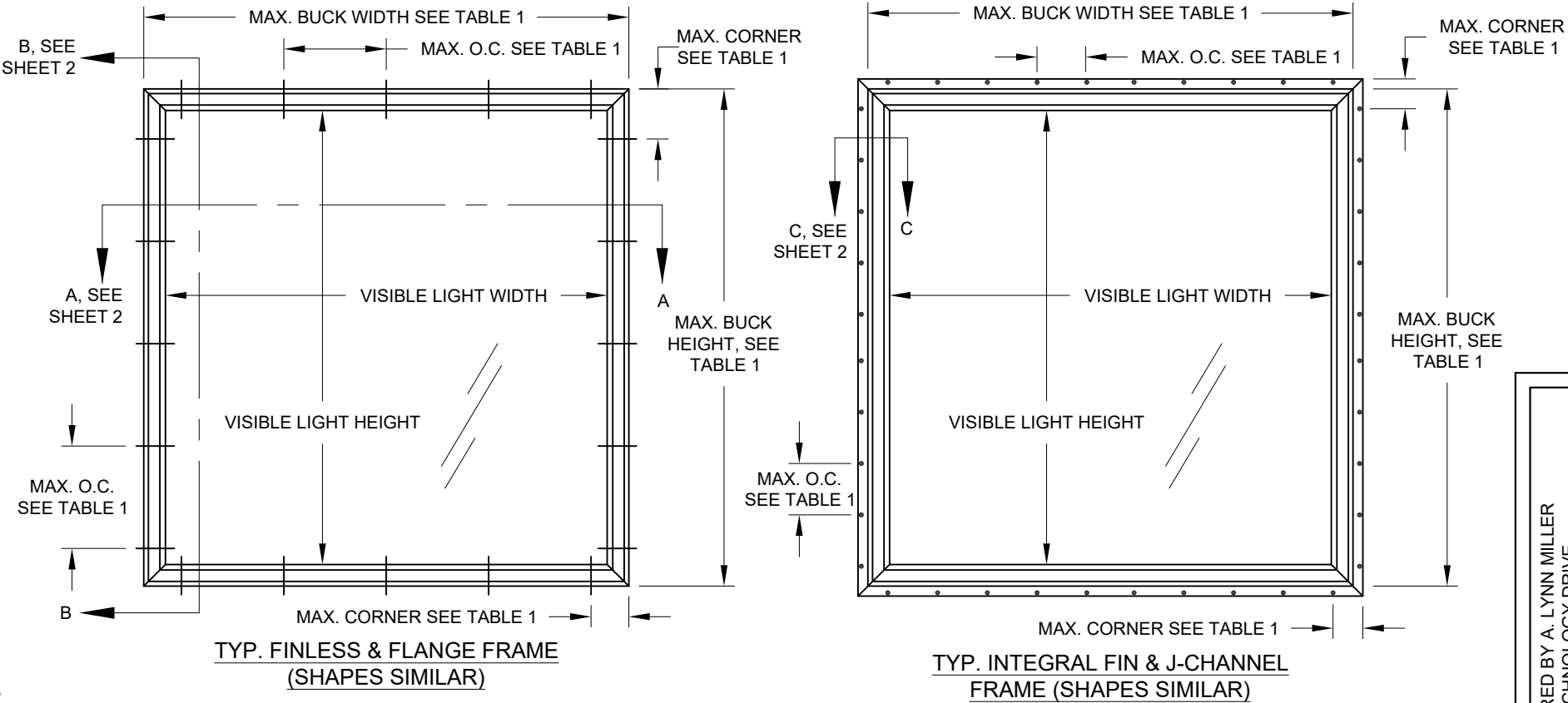


TABLE 1:

Frame Type	CPD #	Max. Buck Size		Design Pressure	Product Rating	Anchorage Dimensions		Notes
		Width	Height			Max. Corner	Max. O.C.	
Fin	8816	96"	60"	+50/-60 psf	LC-PG50	2"	10"	
Fin	8817	81"	63"	+50/-60 psf	LC-PG50			
Fin	8818	96"	72"	+50/55 psf	LC-PG50			
Fin	8819	72"	60"	+50/-75 psf	LC-PG50			
Finless	11986	81"	63"	+/-35 psf	LC-PG35	6"	18"	No anchors required in Head and Sill only
Finless	14844	60"	96"	+/-50 psf	LC-PG50		24"	No anchors required in Sill only

IMPACT RATING
NOT RATED FOR IMPACT RESISTANCE
DESIGN PRESSURE RATING
VARIES, SEE TABLE 1

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MI[®] WINDOWS and DOORS

650 WEST MARKET STREET
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REGISTRATION #29296

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VINYL PICTURE WINDOW (NI)

08/17/26

ELEVATION & GENERAL NOTES

LOGAN YODER

3500 PW

1 OF 3

DWG No.

3500PW-NI

Date

Drawn By

Sheet

Series

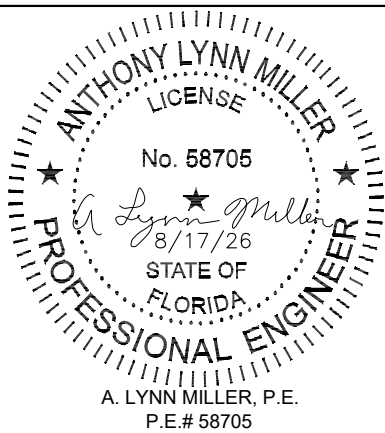
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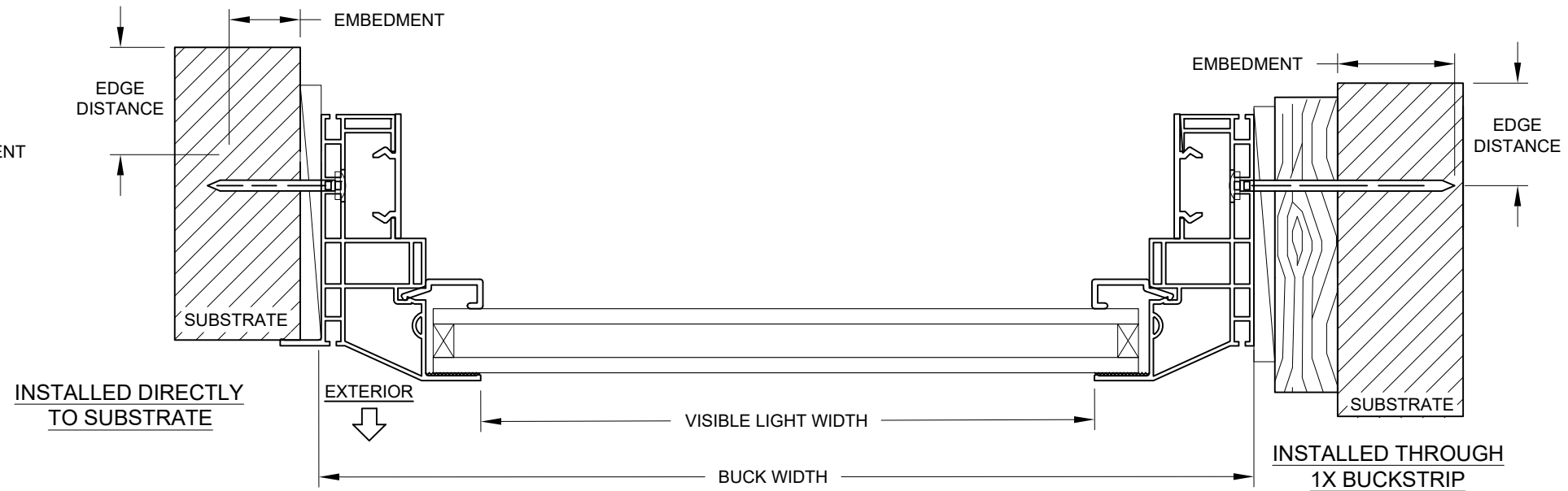
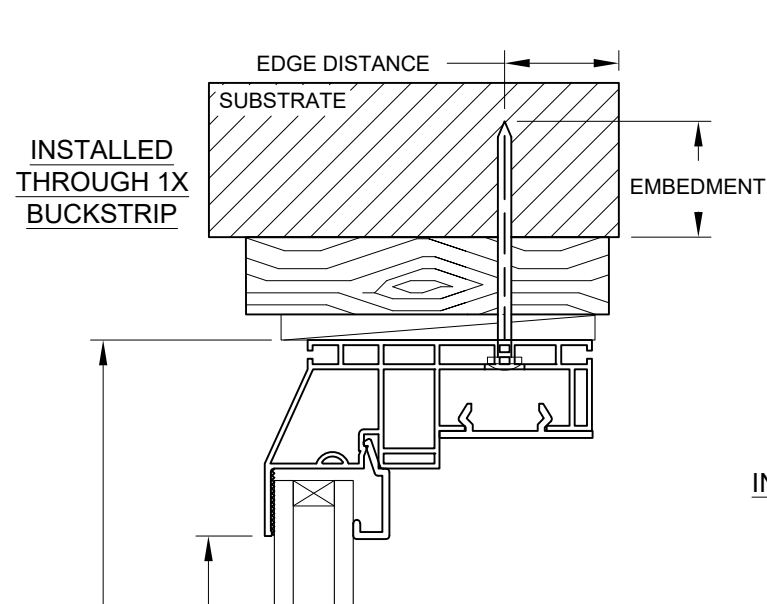
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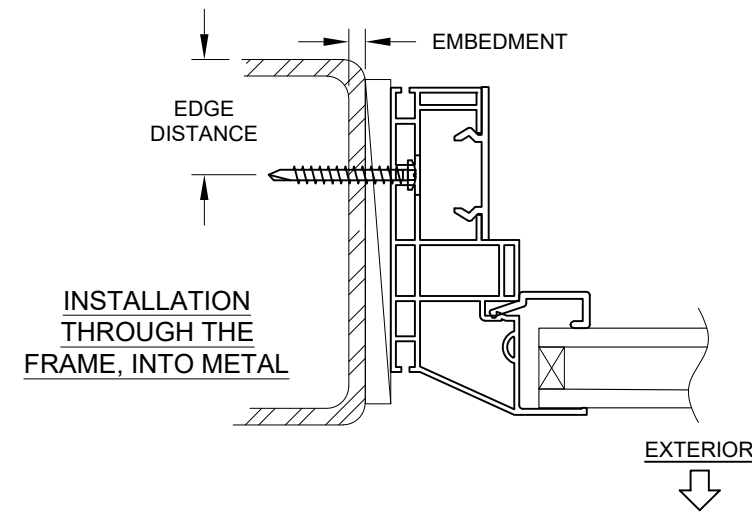
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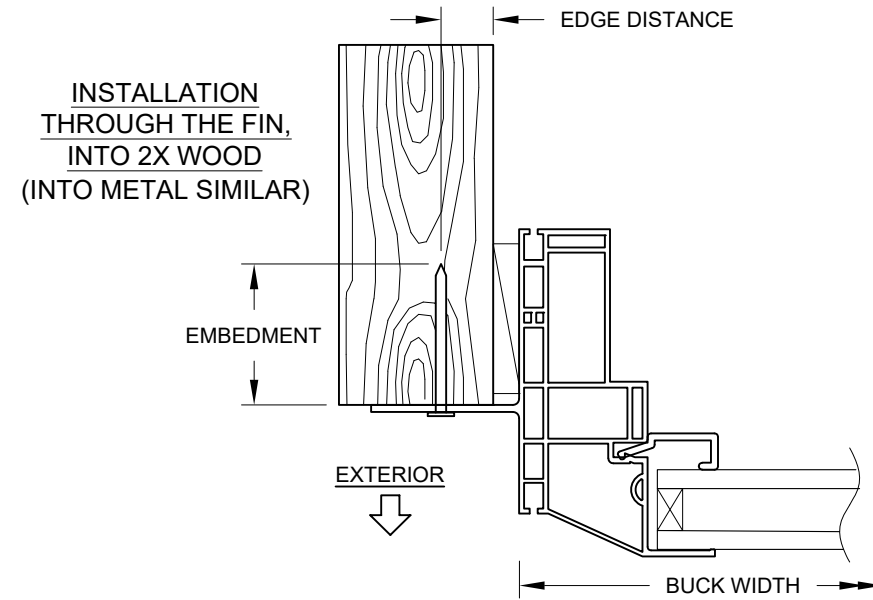




HORIZONTAL SECTION A-A



HORIZONTAL SECTION A-A



HORIZONTAL SECTION C-C

INTEGRAL FIN FRAME SHOWN,
J-CHANNEL FRAME SIMILAR, SEE
NOTES BELOW.



VERTICAL SECTION B-B

INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
- 2) SEE TABLES 2 OR 3 ON SHEET 3 FOR ANCHORAGE AND SUBSTRATE REQUIREMENTS.
- 3) MAXIMUM SHIM THICKNESS TO BE 1/4".
- 4) MULTIPLE INSTALLATIONS SCENARIOS SHOWN, ANY OF WHICH MAY BE USED AT ANY FRAME MEMBER.
- 5) FIN AND/OR FLANGE MAY BE REMOVED TO CREATE AN EQUAL-LEG FRAME.

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MI[®] WINDOWS and DOORS		650 WEST MARKET STREET GRATZ, PA 17030 (717) 365-3300	VINYL PICTURE WINDOW (NI) Title	2 OF 3 DWG
SECTION VIEWS		3500 PW Sheet	LOGAN YODER By	3500PW-NI

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
A. Lynn Miller
 8/17/26
 STATE OF
 FLORIDA
PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

TABLE 2: THROUGH-FRAME ANCHORAGE OPTIONS

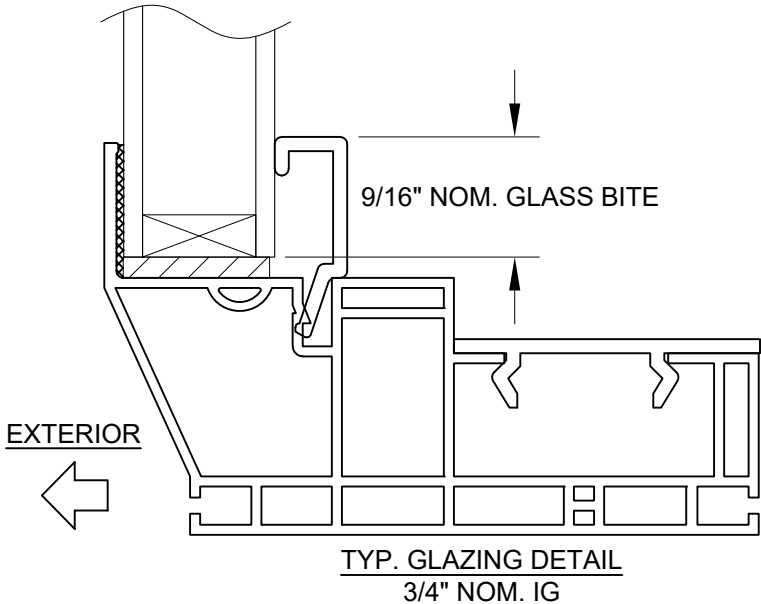
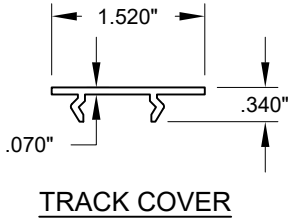
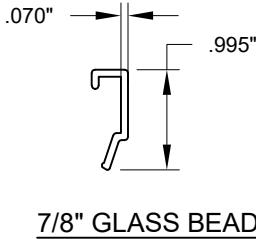
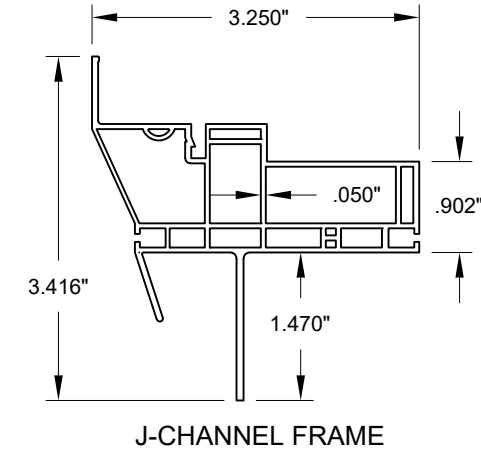
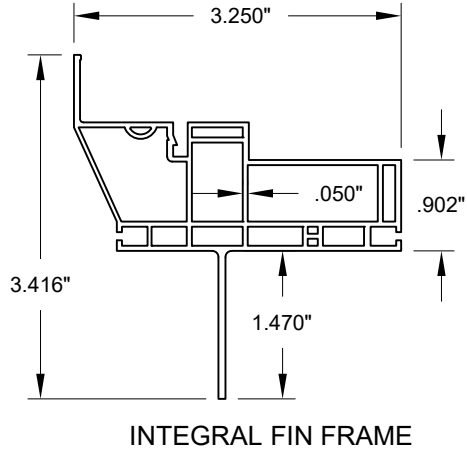
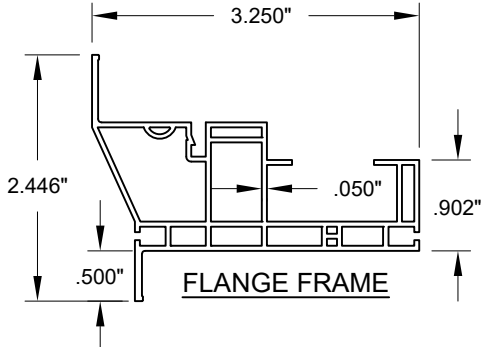
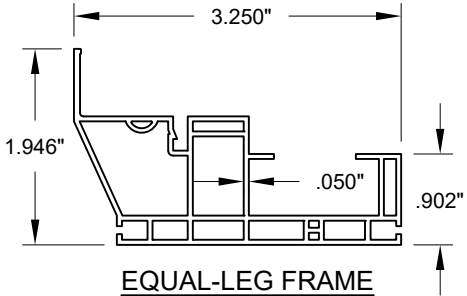
Anchor Type	Substrate	Min. Edge Distance	Minimum Embedment
#8 SMS Carbon Steel or 18-8, 316, 410 SS	Southern Pine (SG = 0.55)	7/16"	1"
	6063-T5 Aluminum	1/4"	0.0566" (16 ga.)
	A36 Steel	1/4"	0.0346" (20 ga.)
	Gr. 33 Steel Stud	1/4"	0.0346" (20 ga.)
3/16" Ultracon+	Concrete (min. 3ksi)	1"	1"
	Filled Block (ASTM C90)	1"	2-1/4"
	Hollow Block (ASTM C90)	1"	2-1/4"
	Southern Pine (SG = 0.55)	1/2"	1"
1/4" Aggre-Gator	Concrete (min. 2.22ksi)	1-1/2"	1"
	Filled Block (ASTM C90)	2"	1-1/4"
	Hollow Block (ASTM C90)	2"	1-1/4"
	Southern Pine (SG = 0.55)	1"	1"
1/4" CreteFlex	Concrete (min. 3.35ksi)	1"	1-3/4"
	Hollow Block (ASTM C90)	2-1/2"	1-1/4"
	Southern Pine (SG = 0.55)	1"	1-3/8"

- 1) MIN. OF 3 THREADS MUST EXTEND BEYOND THE METAL SUBSTRATE.
- 2) ALL SCREWHEAD TYPES ARE APPLICABLE.
- 3) 18-8 FASTENERS SHALL BE MANUFACTURED FROM TYPE 304 OR 305 STAINLESS STEEL PER ASTM A240.

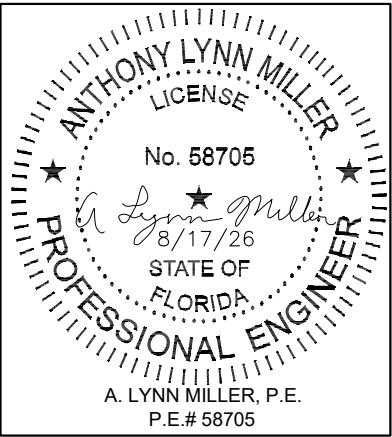
TABLE 3: INTEGRAL FIN AND J-CHANNEL ANCHORAGE OPTIONS

Anchor Type	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
#6 SMS Carbon Steel or 18-8, 316, 410 SS	Southern Pine (SG = 0.55)	7/16"	1"
	6063-T5 Aluminum	3/8"	0.093"
	A36 Steel	1/4"	0.0451" (18 ga.)
	Gr. 33 Steel Stud	1/4"	0.0451" (18 ga.)

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MI [®] WINDOWS and DOORS 650 WEST MARKET STREET GRATZ, PA 17030 (717) 365-3300	VINYL PICTURE WINDOW (NI) ANCHORAGE, GLASS, EXT.	3 OF 3 DWG No.	3500 PW Sheet	



Rev.	Date	Rev.#