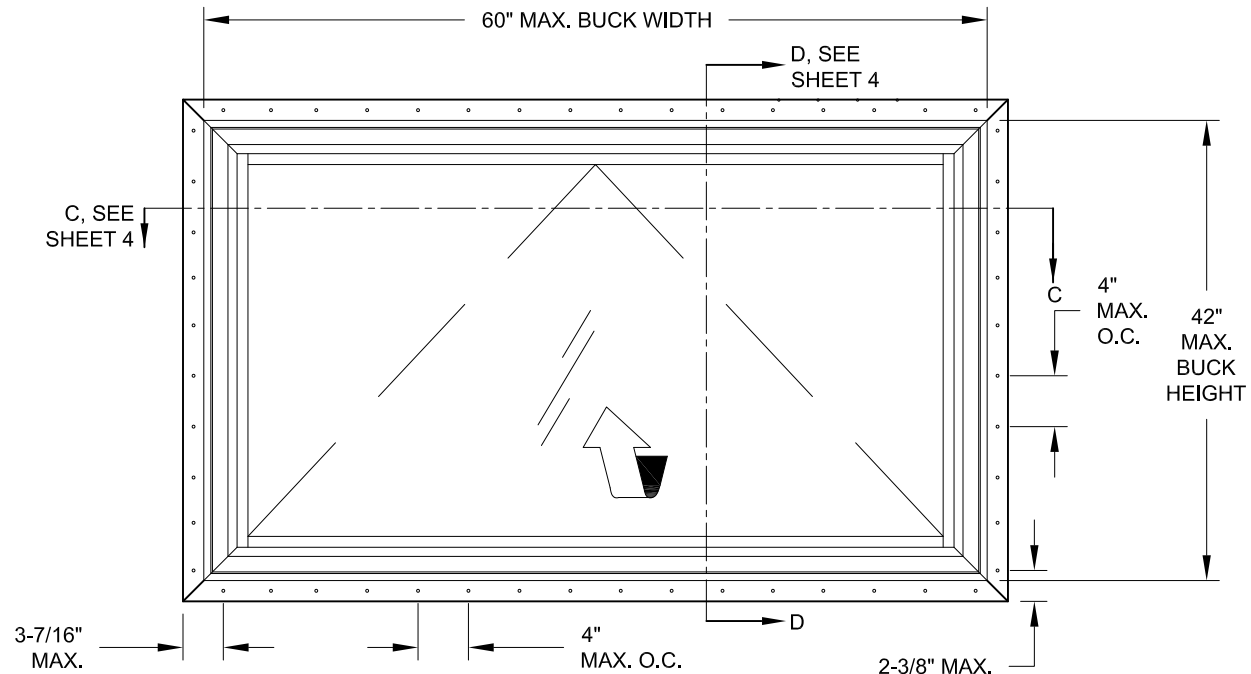


ELEVATION FOR TYP. EQUAL LEG/BOX & FLANGE FRAME



ELEVATION FOR TYP. FIN & J-CHANNEL FRAME

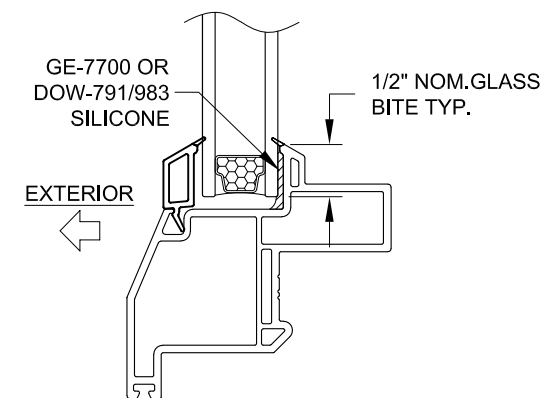
DESIGN PRESSURE RATING SEE TABLE 1
IMPACT RATING NOT RATED FOR IMPACT RESISTANCE

**SERIES AW5440 NON-IMPACT RESISTANT, VINYL AWNING WINDOW**

- 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 TABLES 2 & 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 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.
- 7) FRAME FLANGES OR INTEGRAL FINS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.

TABLE 1:

Window Buck Size		Design Pressure		Product Rating
Width	Height	(+) psf	(-) psf	
60"	42"	50	50	LC-PG50
52.125"	42"	65	70	LC-PG65



TYP. GLAZING DETAIL

LMY  
By: 08/01/22  
Date  
Rev. TRIM FLANGES/FINS NOTE

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	VINYL AWNING WINDOW (NI)	Date 06/12/11	Title ELEVATION & GENERAL NOTES	No. DWG 1 OF 4
Series AW5440	Sheet 1 OF 4	Desc. VINYL AWNING WINDOW (NI)	Title ELEVATION & GENERAL NOTES	No. DWG 1 OF 4

PGT  
Custom Windows and Doors  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
10/3/23  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705

TABLE 2: ANCHORS INSTALLED THROUGH FRAME

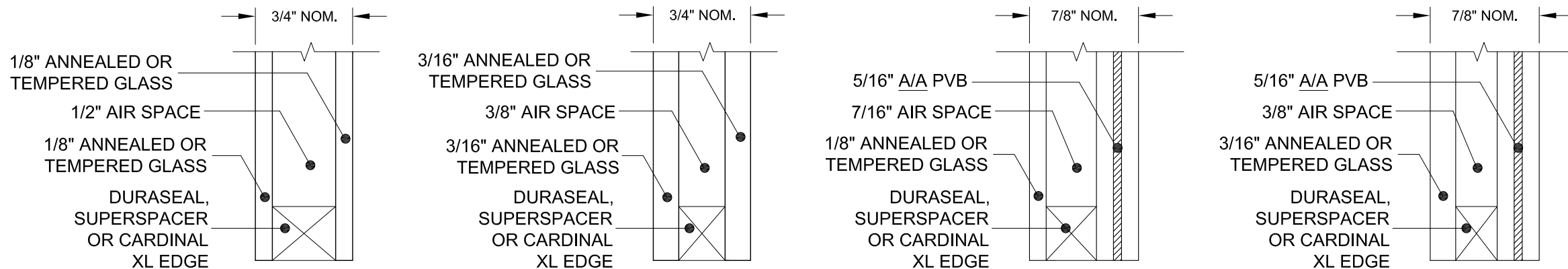
Anchor	Substrate	Min. Edge Distance	Min. Embedment
#10 SMS (steel, 18-8 S.S. or 410 S.S.) <b>Max. DP of 50.0 psf</b>	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
	Steel, A36	3/8"	0.050"
	Steel Stud, A653 Gr. 33	3/8"	0.0346" (20 Ga.)
	Aluminum, 6063-T5	3/8"	0.0713" (14 Ga.)
#12 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=0.55)	9/16"	1-3/8"
	Steel, A36	3/8"	0.050"
	Steel Stud, A653 Gr. 33	3/8"	0.0346" (20 Ga.)
	Aluminum, 6063-T5	3/8"	0.0713" (14 Ga.)
3/16" Ultracon+ <b>Max. DP of 50.0 psf</b>	P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
	Concrete (min. 3 ksi)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
1/4" Ultracon+	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	Concrete (min. 3 ksi)	1-3/16"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
1/4" Crete-Flex (410 S.S.)	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	Concrete (min. 3.35 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
1/4" Aggre-Gator (18-8 S.S.)	Concrete (min. 3.275 ksi)	1-1/2"	1-3/8"
	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	2"	1-1/4"

TABLE 3: ANCHORS INSTALLED THROUGH INTEGRAL FIN

Anchor	Substrate	Min. Edge Distance	Min. Embedment	
2-1/2" x .131" Common Nail <b>Max. DP of 50.0</b>	P.T. Southern Pine (SG=.55)	9/16"	2-7/16"	
	2-1/2" x .131" Ring-shank Nail	P.T. Southern Pine (SG=.55)	9/16"	2-7/16"
	2-1/2" x .145" Roofing Nail	P.T. Southern Pine (SG=.55)	9/16"	2-7/16"
	#10 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=.55)	3/4"	1-3/8"
Aluminum, 6063-T5		3/8"	0.0713" (14 Ga.)	
Steel Stud, Gr. 33		3/8"	0.0346" (20 Ga.)	
Steel, A36		3/8"	0.050"	

1) PANHEAD, FLATHEAD OR HEXHEAD ARE ACCEPTABLE.

- 1) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- 2) PANHEAD, FLATHEAD OR HEXHEAD ARE ACCEPTABLE.
- 3) ANCHOR LENGTH TO BE SO THAT A MIN. OF 3 THREADS EXTEND BEYOND THE METAL SUBSTRATE.



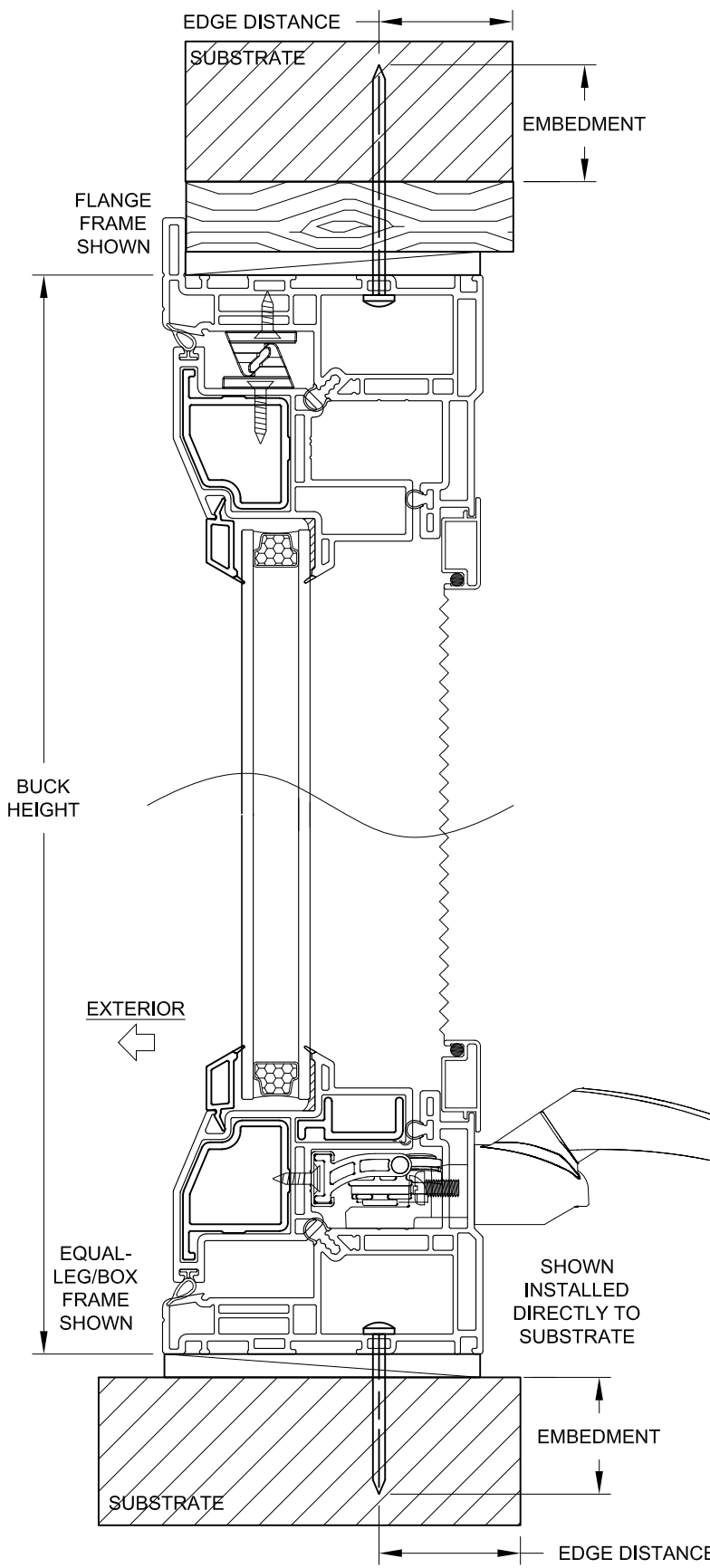
**GLAZING TYPES**

PVB INTERLAYER MANUFACTURED BY KURARAY AMERICA, INC.

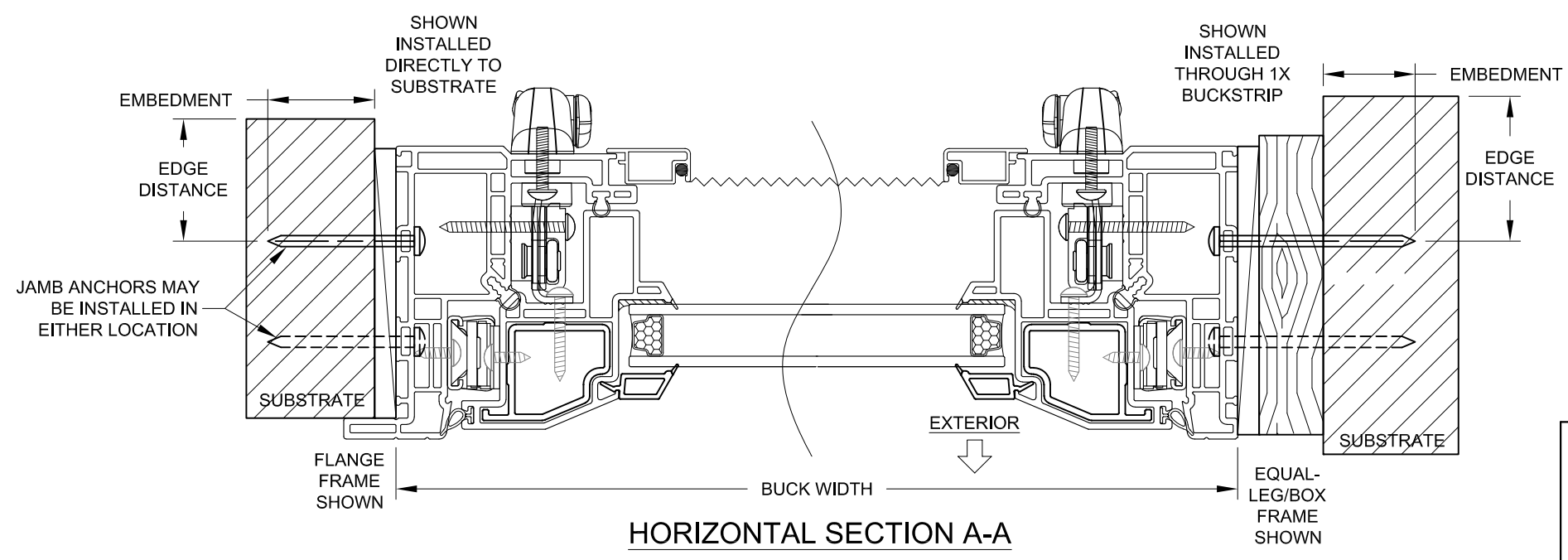
<p>PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600</p>	<p>REGISTRATION #29296</p>	<p>06/12/11</p>	<p>D</p>
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<p><b>PGT</b> Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600</p>	<p>VINYL AWNING WINDOW (NI)</p>	<p>2 OF 4</p>	<p>2</p>
<p>ANCHORS AND GLAZING DETAILS</p>	<p>AW5440</p>	<p>2 OF 4</p>	<p>2</p>

ANTHONY LYNN MILLER  
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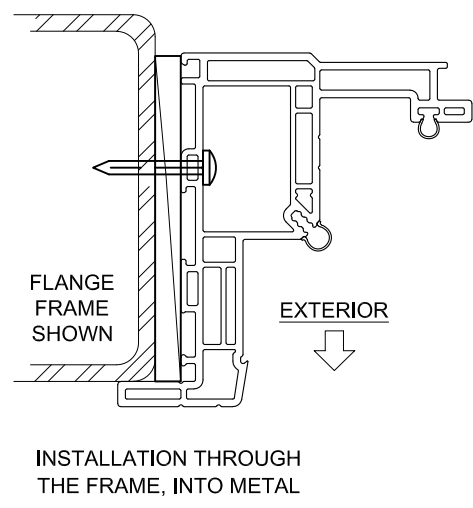
Rev. 08/01/22  
REMOVED ULTRACONS  
LMY



**VERTICAL SECTION B-B**



**HORIZONTAL SECTION A-A**

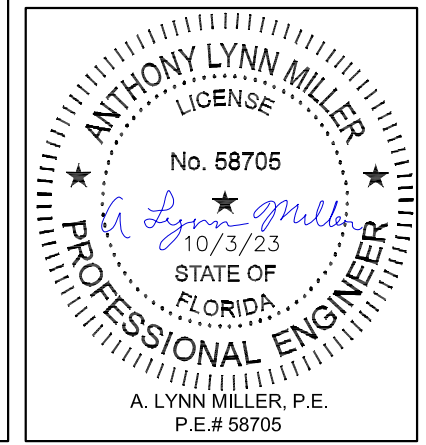


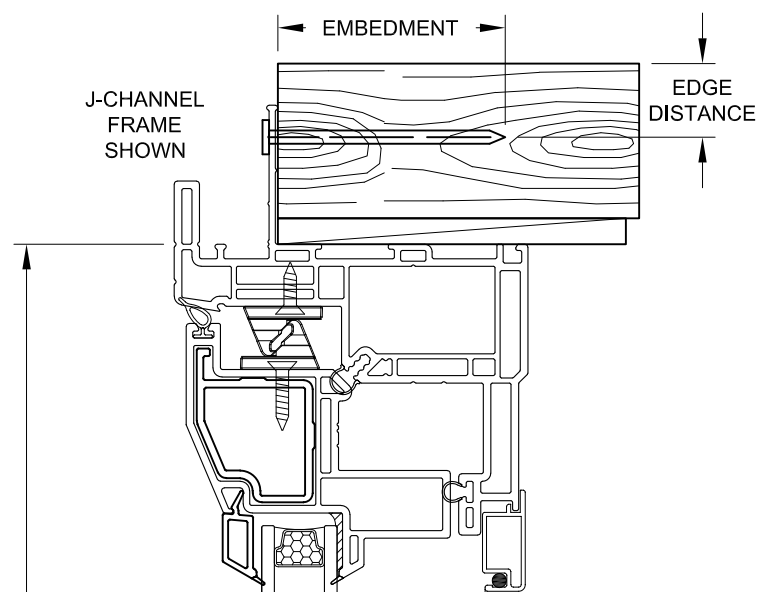
**INSTALLATION NOTES:**

- 1) SEE SHEET 1 FOR SPACING REQUIREMENTS.
- 2) SEE TABLE(S) ON SHEET 2 FOR ANCHORAGE AND SUBSTRATE REQUIREMENTS.
- 3) MAX. SHIM THICKNESS TO BE 1/4".
- 4) GLASS SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND MAY DIFFER TO MEET DESIGN REQUIREMENTS.

Rev. 08/01/22 LMY  
Date  
NO CHANGES THIS SHEET

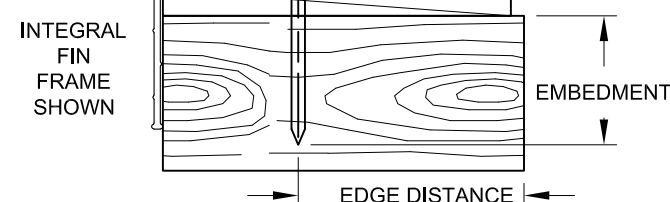
<b>PGT</b> Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 COPYRIGHT © 2023 PGT, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	Date 06/12/11	Drawn By JENS ROSOWSKI	Rev.# D
	VINYL AWNING WINDOW (NI) FLANGE/EQUAL-LEG INSTALLATION	No. 3 OF 4	Sheet AW5440	Title AW5440FPA-NI	Series D



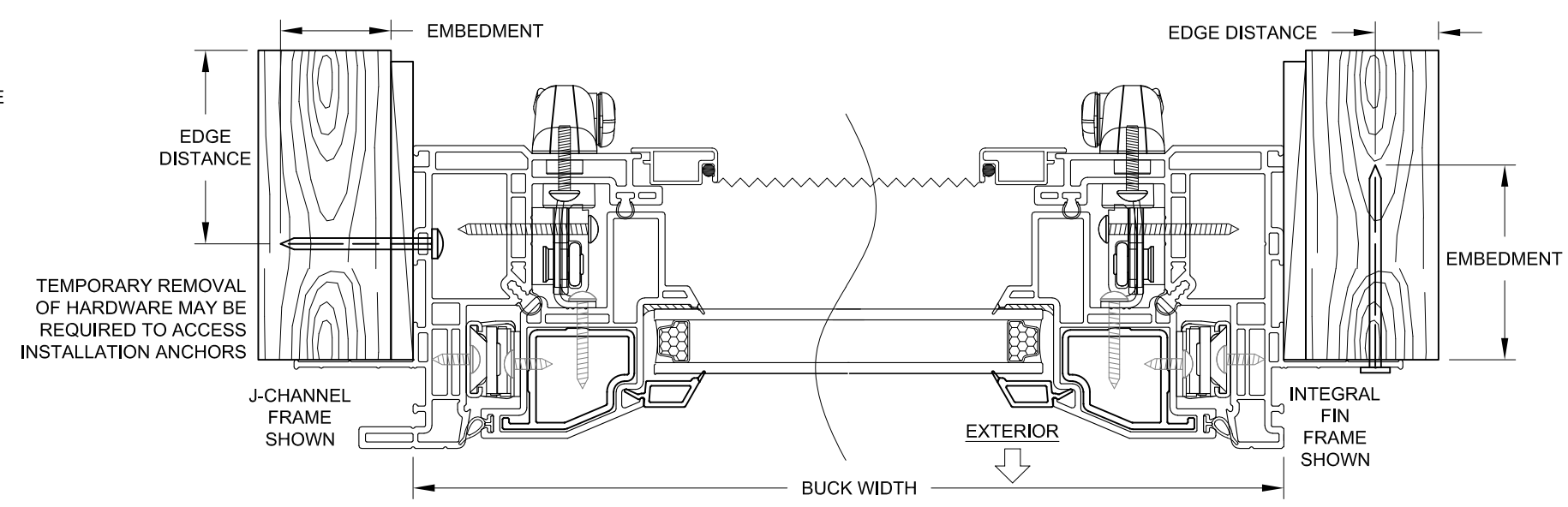


BUCK HEIGHT

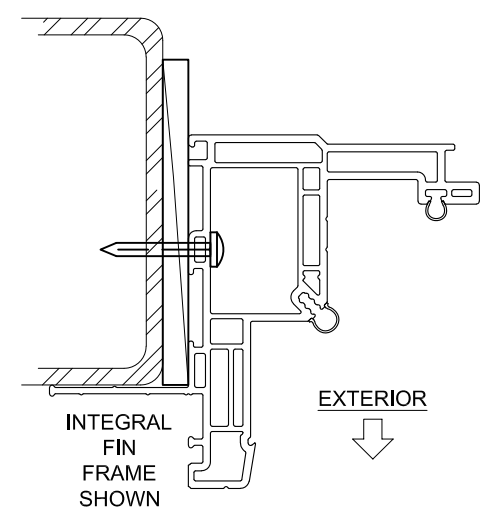
EXTERIOR



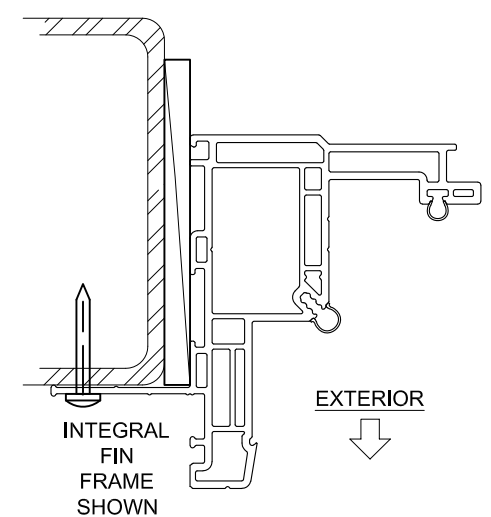
VERTICAL SECTION D-D



HORIZONTAL SECTION C-C



INSTALLATION THROUGH THE FRAME, INTO METAL



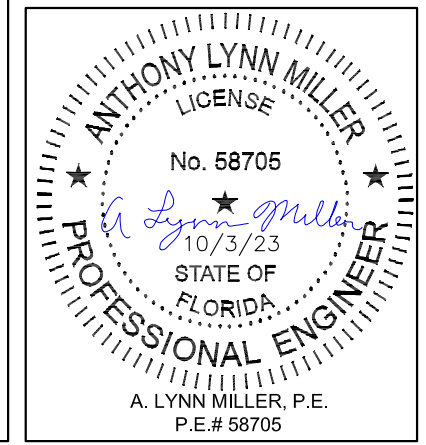
INSTALLATION THROUGH THE INTEGRAL FIN, INTO METAL

HYBRID CONFIGURATIONS (FLANGE FRAME/FIN FRAME) ALLOWED WITH MULLION INSTALLATION, SEE PAGE 3 FOR FLANGE FRAME INSTALLATION DETAILS.

INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR SPACING REQUIREMENTS.
- 2) SEE TABLE(S) ON SHEET 2 FOR ANCHORAGE AND SUBSTRATE REQUIREMENTS.
- 3) MAX. SHIM THICKNESS TO BE 1/4".
- 4) GLASS SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND MAY DIFFER TO MEET DESIGN REQUIREMENTS.

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<b>PGT</b> Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	VINYL AWNING WINDOW (NI)		FIN INSTALLATION	AW5440FPA-NI
	4 OF 4	Sheet		
AW5440	4 OF 4	Sheet	Series	Desc. Title



A. LYNN MILLER, P.E.  
P.E.# 58705

Rev. 08/01/22 LMY  
Date 08/01/22 LMY  
HYBRID CONFIG. NOTE