

SERIES GW9994G IMPACT RESISTANT, STRAIGHT, OUTSIDE & INSIDE CORNER SEAMLESS GLAZED WINDOW SYSTEM, 5/8" GLAZING

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

2) SHUTTERS ARE NOT 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 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. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

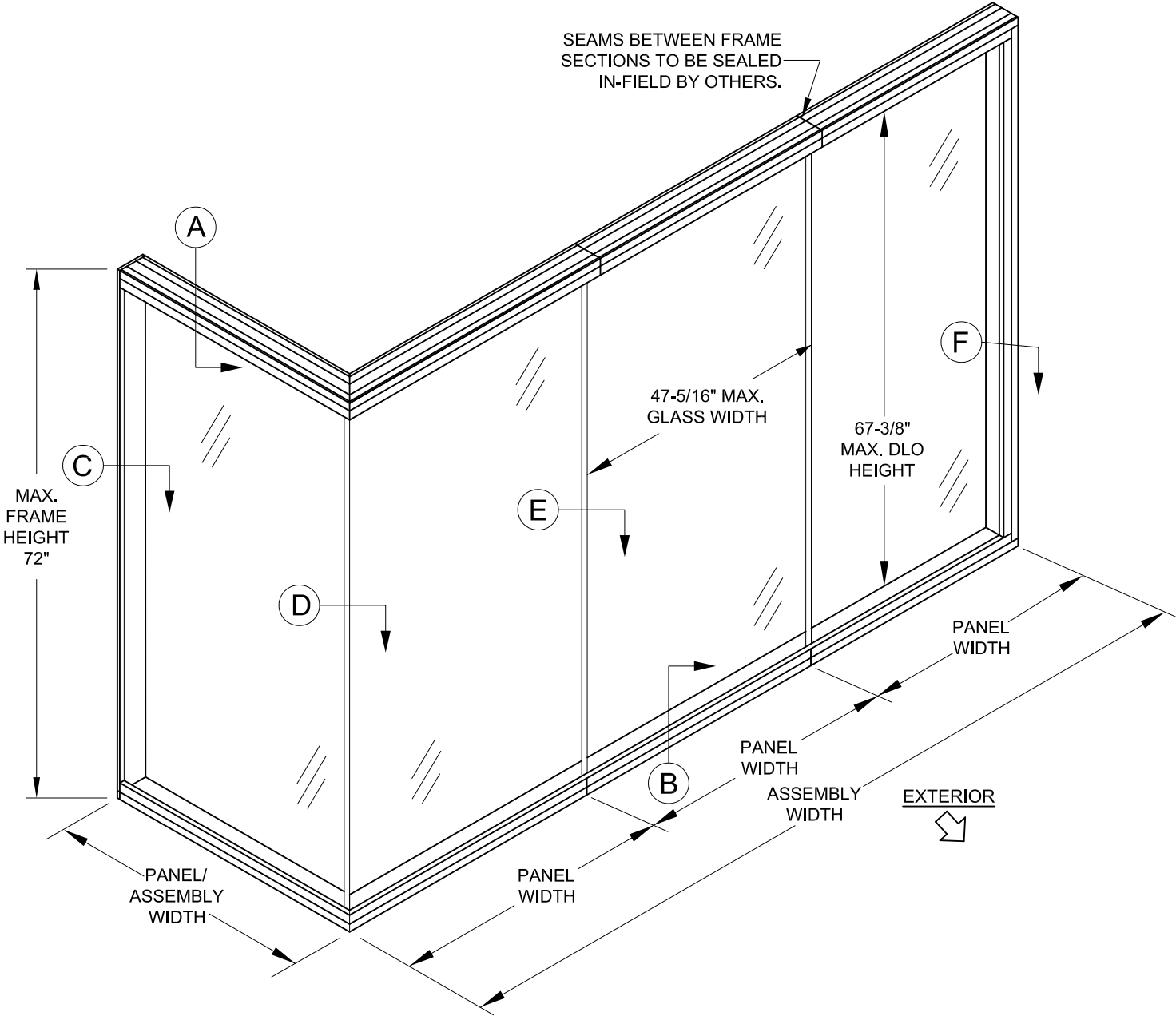
5) SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY WINDOW.

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.

TABLE 1:

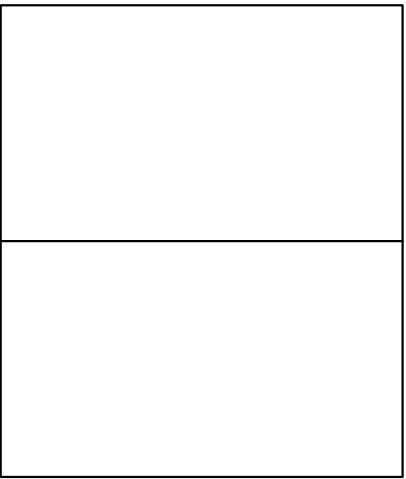
Anchor Type	Substrate	Min. Edge Distance	Min. O.C. Distance	Min. Embedment or Metal Thickness
#12 Steel SMS, G5	Southern Pine (SG = 0.55)	9/16"	1"	1-3/8"
	6063-T5 Aluminum	3/8"	1"	0.093"
	A36 Steel	3/8"	1"	0.050"
	Steel Stud, Gr. 33	3/8"	1"	0.057", 16 Ga.
#14 Steel SMS, G5	Southern Pine (SG = 0.55)	5/8"	1"	1-3/8"
	6063-T5 Aluminum	3/8"	1"	0.093"
	A36 Steel	3/8"	1"	0.050"
	Steel Stud, Gr. 33	3/8"	1"	0.057", 16 Ga.
#14 410 Stainless Steel SMS, G5	Southern Pine (SG = 0.55)	5/8"	1"	1-3/8"
	6063-T5 Aluminum	3/8"	1"	0.093"
	A36 Steel	3/8"	1"	0.050"
	Steel Stud, Gr. 33	3/8"	1"	0.057", 16 Ga.
1/4" Elco UltraCon	Concrete (min. 2.85 ksi)	1"	1-1/2"	1-3/4"
1/4" DeWalt UltraCon+	Concrete (min. 3.00 ksi)	2-1/2"	1-1/2"	1-3/4"
1/4" Elco Creteflex	Concrete (min. 2.85 ksi)	1"	3"	1-3/4"

- 1) ANCHOR MUST EXTEND A MIMIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
2) ANY HEAD TYPE ALLOWABLE.



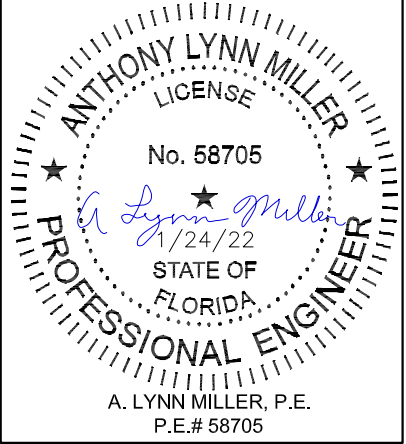
1 X 3 WITH OUTSIDE CORNER CONFIGURATION
ADDITIONAL PANELS, INSIDE CORNER OR STRAIGHT CONFIGURATION ALSO ALLOWED.

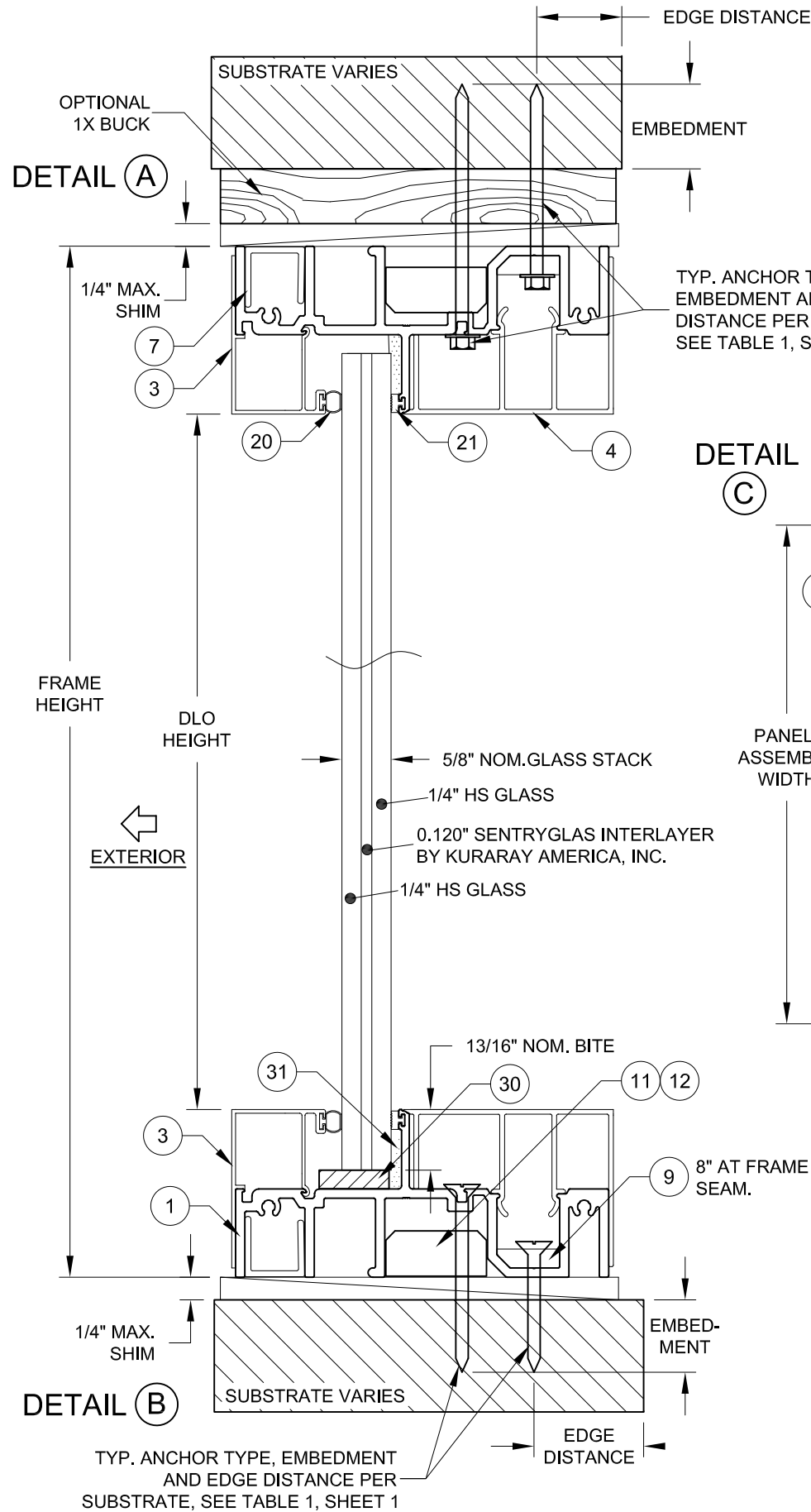
DESIGN PRESSURE RATING	IMPACT RATING
+60.0 / -60.0 PSF	RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE



ADJUSTED ANCHOR SPACING, ADDITIONAL SEALANTS, ADDED P# 7 - JR - 1/24/22

PREPARED BY A. LYNN MILLER, P.E. 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 COPYRIGHT © 2022 PGT INDUSTRIES, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	10/10/21	J ROSOWSKI	9994.1-FPA	A
PGT INNOVATIONS 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275	SEAMLESS GLAZED WDW SYSTEM, 5/8"	ANCHOR TYPES & LOCATIONS	GW9994G	1 OF 3	NTS



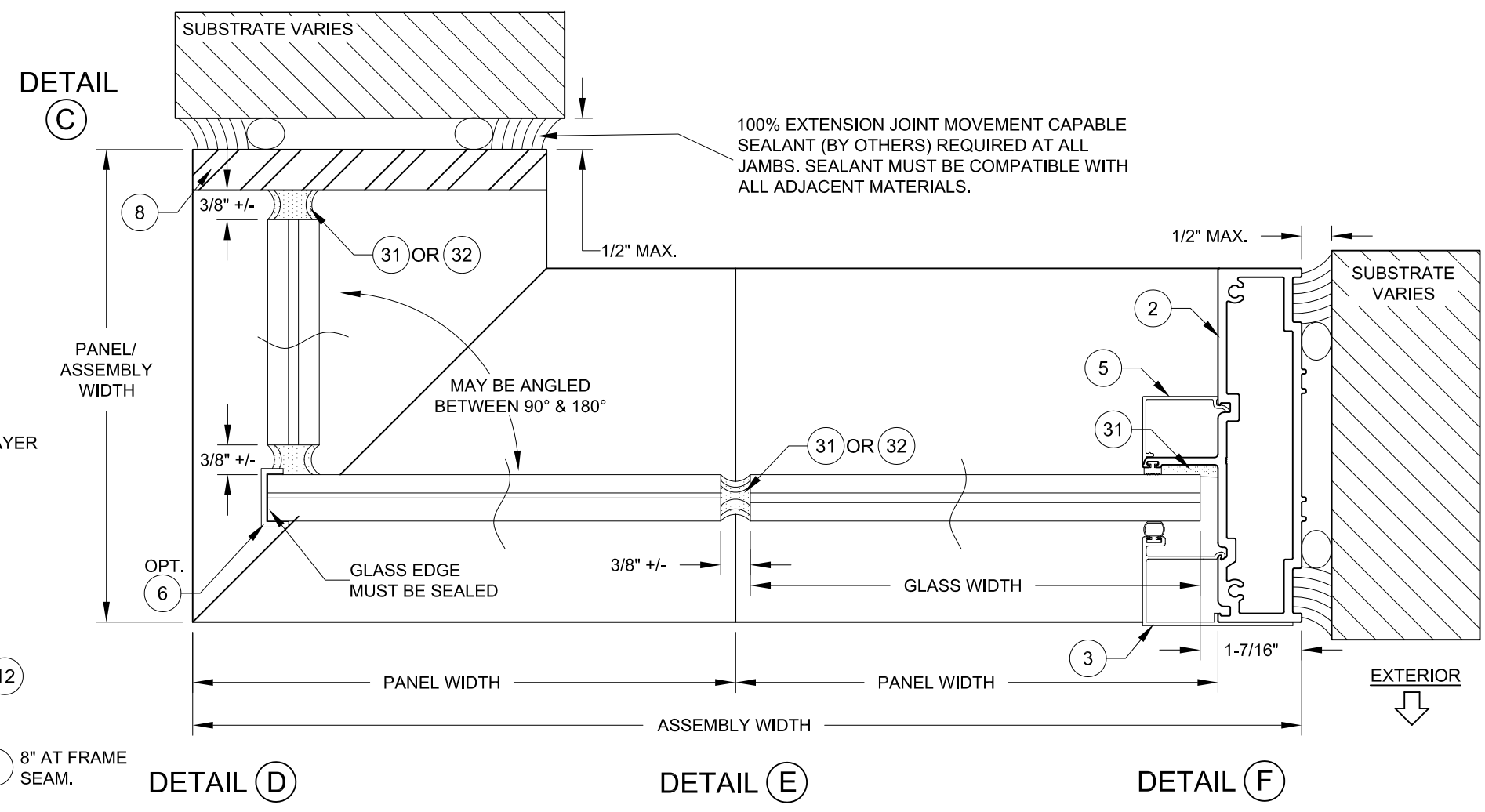


NOTES

1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN TABLE 2. FOLLOW EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS PER TABLE 1, SHEET 1. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY FRAME MEMBER.

2) 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.

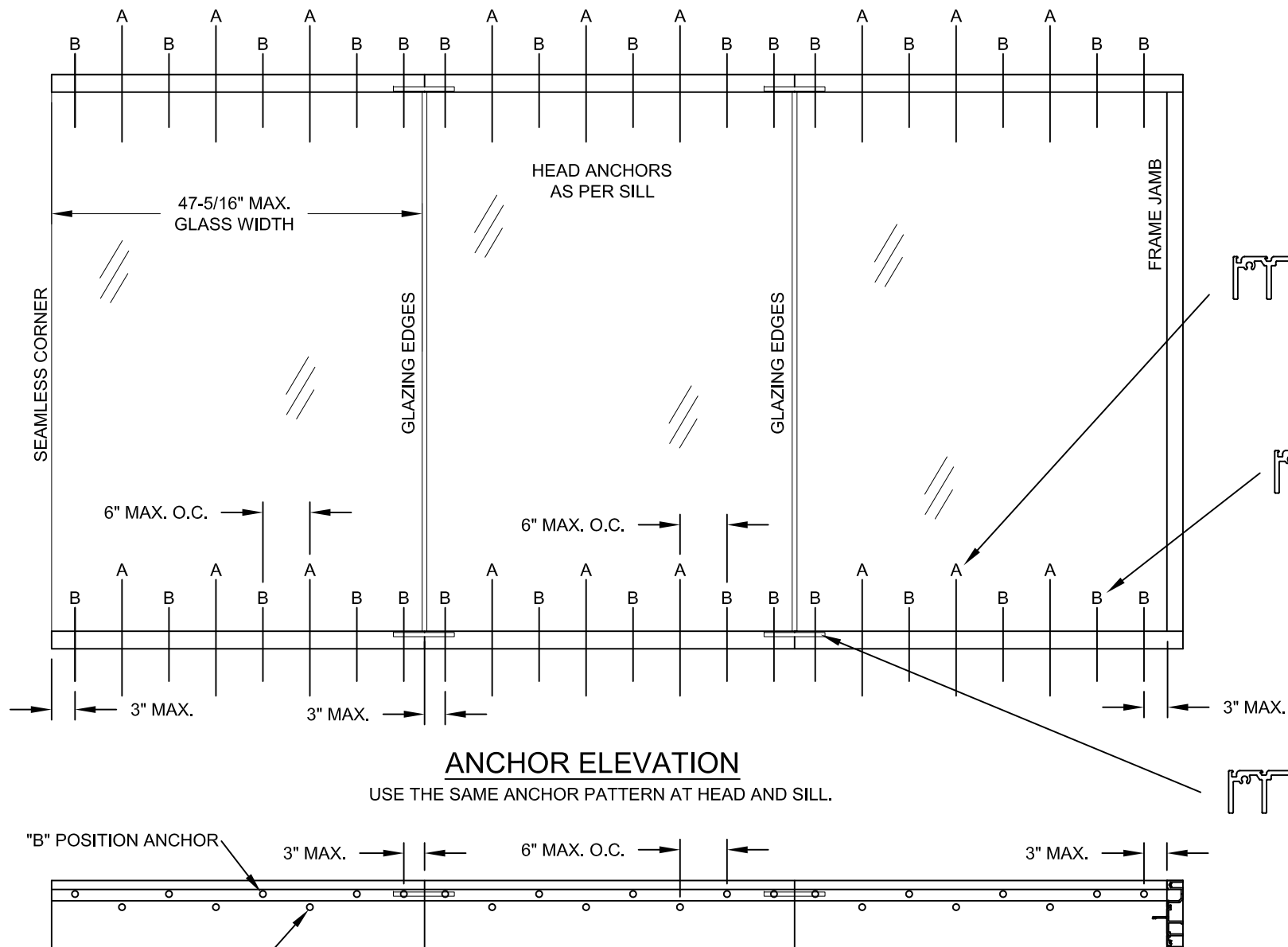
3) JAMBS MAY BE EITHER PART #2, PART #8 OR A COMBINATION OF BOTH, AS SHOWN. VERTICAL GAPS TO BE FIELD-GLAZED WITH PART #31.



Revision

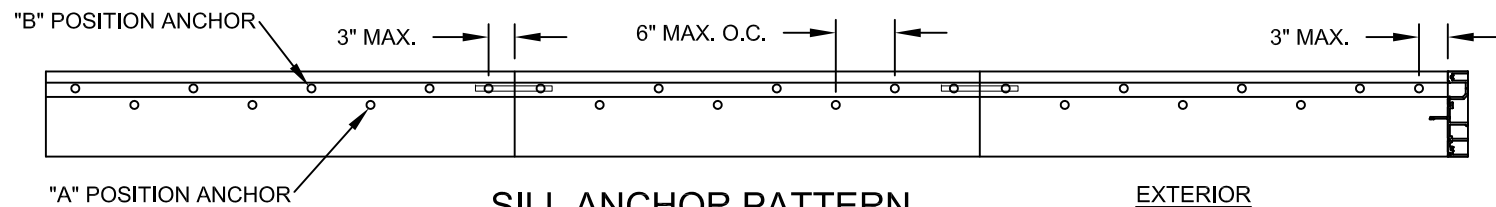
ADJUSTED ANCHOR SPACING, ADDITIONAL SEALANTS, ADDED P# 7 - JR - 1/24/22

PGT INNOVATIONS 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275										PREPARED BY A. LYNN MILLER, P.E. 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600									
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Title					SEAMLESS GLAZED WDW SYSTEM, 5/8"					Date		10/10/21							
Series					GW9994G					Scale		NTS							
Desc.					INSTALL DETAILS, BOM & EXT.					Drawn By		J ROSOWSKI							
Sheet					2 OF 3					DWG No.		9994.1-FPA							
Rev.					A					Rev.		A							



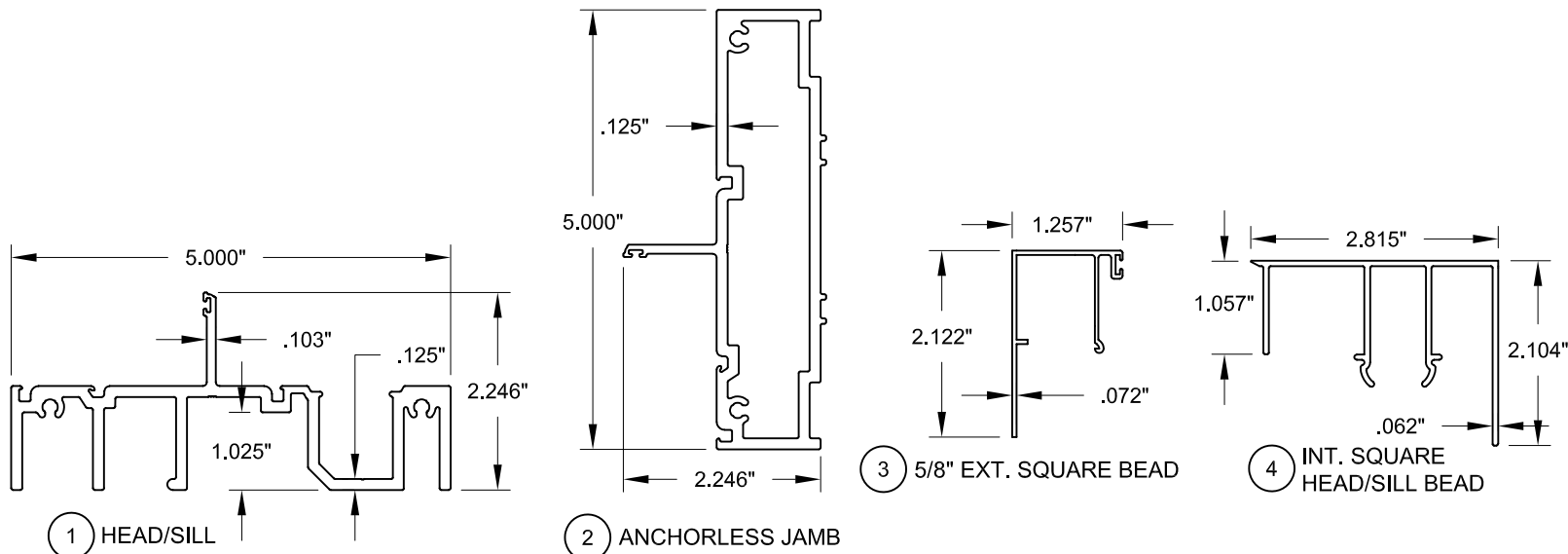
ANCHOR ELEVATION

USE THE SAME ANCHOR PATTERN AT HEAD AND SILL.



SILL ANCHOR PATTERN

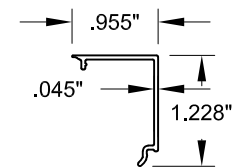
USE THE SAME ANCHOR PATTERN AT HEAD.



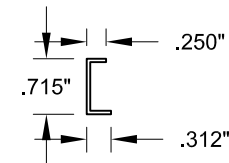
"A" POSITION ANCHORS ARE ANCHORED THROUGH THE TOP OF THE FRAME EXTRUSION.

"B" POSITION ANCHORS ARE ANCHORED THROUGH THE BOTTOM OF THE FRAME EXTRUSION.

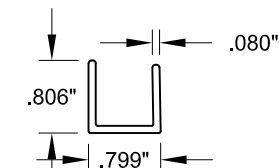
"B" ANCHORS LOCATED ADJACENT TO A GLASS OR PANEL JOINT TO USE AN 8\"/>



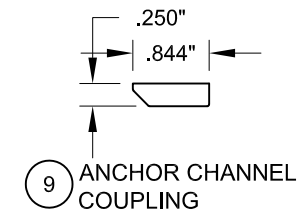
5 INT. SQUARE JAMB BEAD



6 OPT. 5/8" GLAZING CORNER GUARD



7 INSTALLATION CLIP



9 ANCHOR CHANNEL COUPLING

TABLE 2:

Item	Part #	Description	Mat.
1	23045	Head/Sill	6063-T6
2	23046	Anchorless Jamb	6063-T6
3	23069	5/8" Ext. Square Beading	6063-T6
4	23066	Int. Square Head/Sill Beading	6063-T6
5	21013	Interior Square Jamb Beading	6063-T6
6	23073	5/8" Glazing Corner Guard	6063-T6
7	23075	Installation Clip	6063-T6
8	23074	3/8" x 5" Aluminum Bar	6063-T6
9	23067	Anchor Channel Coupling	6063-T6
10		#8 x 3/4" Panhead, Ph. SMS	SS
11	23070	90 Degree Corner Key	PVC
12	23071	135 Degree Corner Key	PVC
20	21091	Beading Bulb Weatherstrip	Vinyl
21		Glazing Leg Weatherstrip	Vinyl
30		Setting Block, 1" x 1/8" x 4", Duro. = 80	Neoprene
31	Backbedding	RGS-7700, Dow-791 or 983	Silicone
32	Sealant	Dow-791, CRL 33S or RTV408	Silicone

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