

SERIES GW9994G IMPACT RESISTANT, STRAIGHT, OUTSIDE & INSIDE CORNER WINDOW SYSTEM, 1-1/8" GLAZING

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 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:

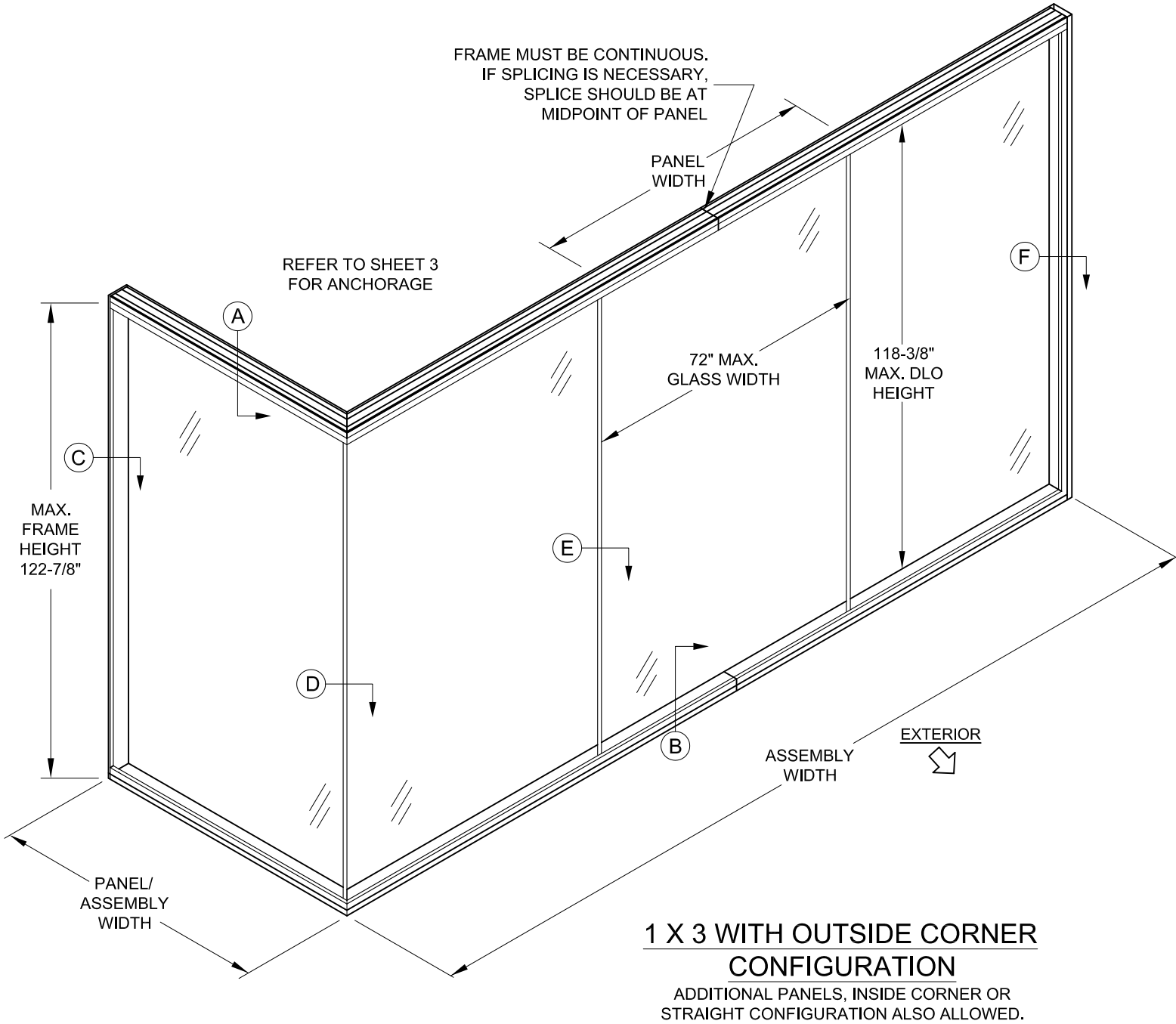
Anchor Type	Substrate	Min. Edge Distance	Max. O.C. Distance	Min. Embedment or Metal Thickness
#12 Steel SMS, G5	Southern Pine (SG = 0.55)	9/16"	9"	1-3/8"
	6063-T5 Aluminum	3/8"	9"	0.093"
	A36 Steel	3/8"	9"	0.050"
	Steel Stud, Gr. 33	3/8"	9"	0.057", 16 Ga.
#14 Steel SMS, G5	Southern Pine (SG = 0.55)	5/8"	9"	1-3/8"
	6063-T5 Aluminum	3/8"	9"	0.093"
	A36 Steel	3/8"	9"	0.050"
	Steel Stud, Gr. 33	3/8"	9"	0.057", 16 Ga.
#14 410 Stainless Steel SMS, G5	Southern Pine (SG = 0.55)	5/8"	9"	1-3/8"
	6063-T5 Aluminum	3/8"	9"	0.093"
	A36 Steel	3/8"	9"	0.050"
	Steel Stud, Gr. 33	3/8"	9"	0.057", 16 Ga.
1/4" DeWalt UltraCon+	Concrete (min. 23.00 ksi)	2-1/2"	9"	1-3/8"
1/4" Elco Creteflex	Concrete (min. 2.85 ksi)	1-3/4"	9"	1-3/4"

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

TABLE 2:

Glass Type	Description (Listed from Exterior to Interior)
1	1/2" T - 0.140" SG - 1/2" T

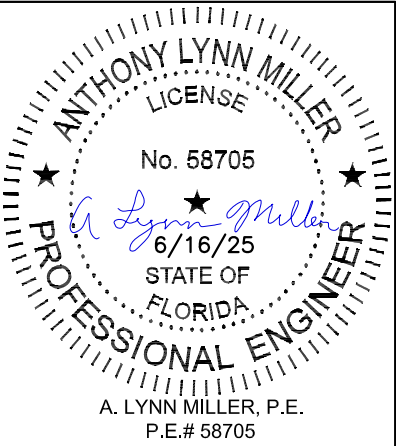
T = TEMPERED
SG = SENTRYGLAS INTERLAYER BY KURARAY AMERICA, INC.

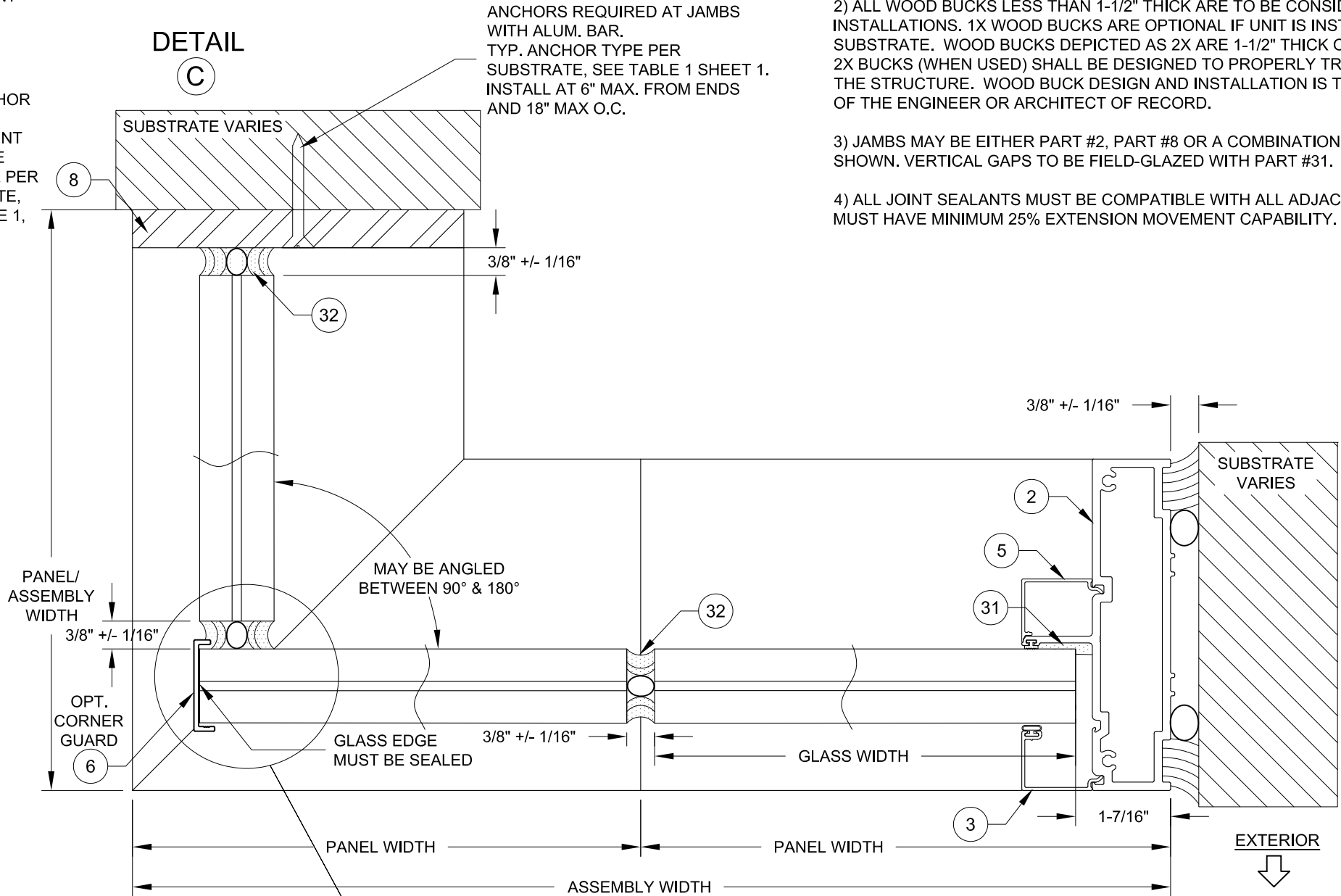
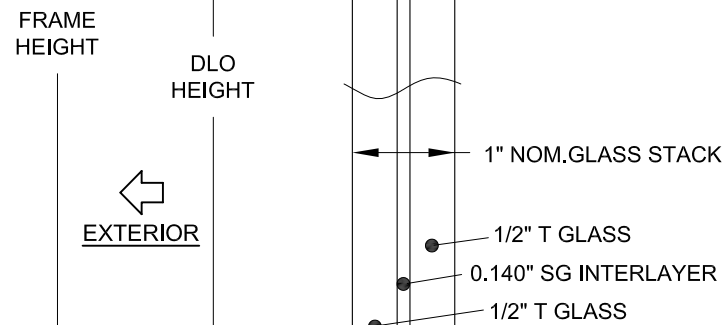
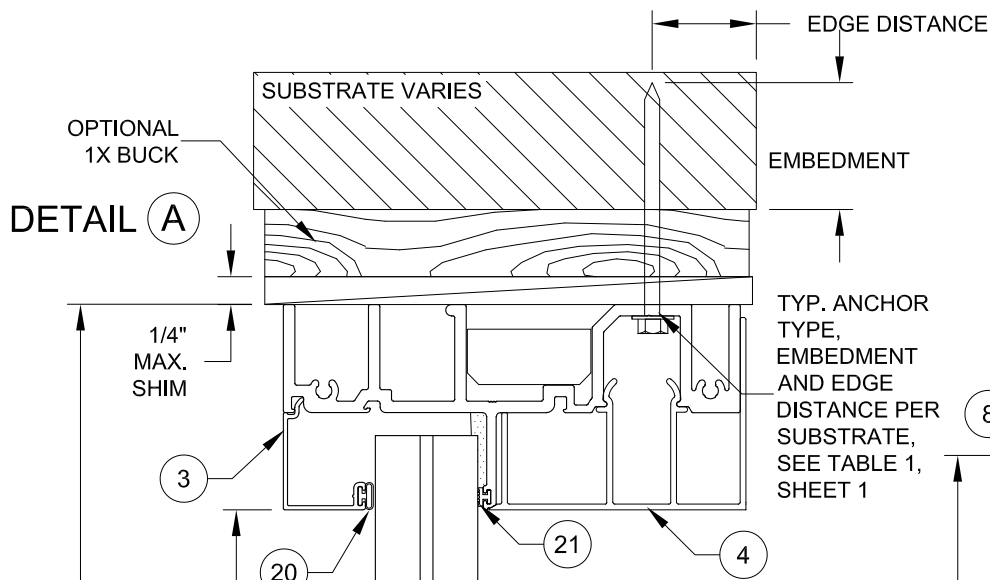


DESIGN PRESSURE RATING	IMPACT RATING
+60.0 / -70.0 PSF	RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

Rev. #	A
Date	6/16/25
NO CHANGES THIS SHEET	

 WINDOOR, LLC 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600			REGISTRATION #29296 COPYRIGHT © 2025 WINDOOR, LLC, LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		4/15/25 Date	
		WINDOW SYSTEM, 1-1/8" GLAZING		By Drawn		COLTON KEMPFF		
		ELEVATION, NOTES & ANCHORS		DWG No.		9994.3-FPA		
		Title		Desc.		Series		
GW9994G		1 OF 3		Sheet				

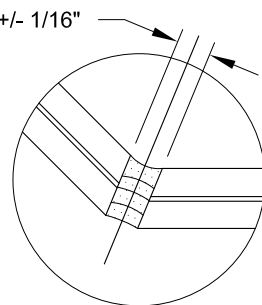
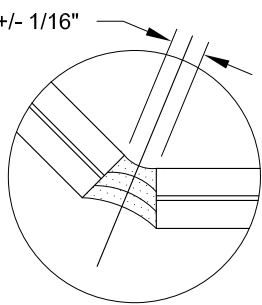
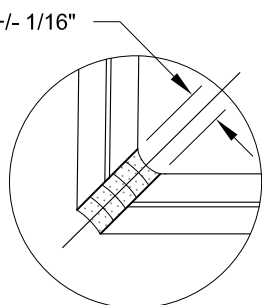




DETAIL D

DETAIL E

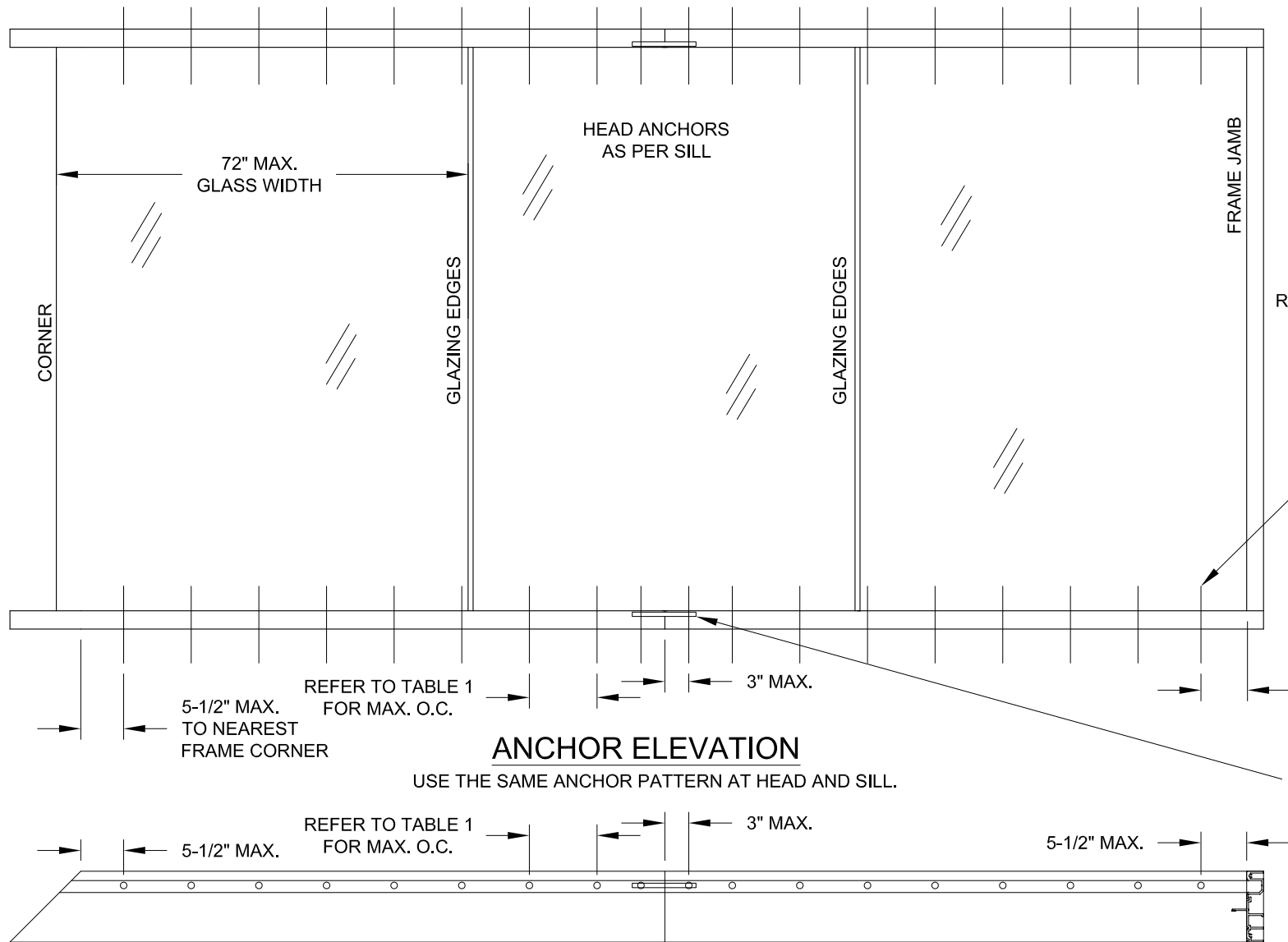
DETAIL F



NOTES

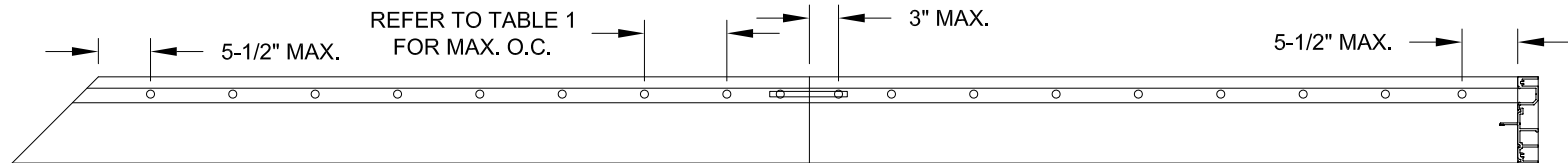
- 1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN TABLE 1. FOLLOW EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS PER TABLE 1, SHEET 1. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY FRAME MEMBER.
- 2) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS 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.
- 4) ALL JOINT SEALANTS MUST BE COMPATIBLE WITH ALL ADJACENT MATERIALS AND MUST HAVE MINIMUM 25% EXTENSION MOVEMENT CAPABILITY.

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WINDOOR, LLC 104 TRIPLE DIAMOND BLVD N. VENICE, FL 34275 (833) 554-5432		WINDOW SYSTEM, 1-1/8" GLAZING		COLTON KEMP	
SECTION DETAILS		2 OF 3		9994.3-FPA	
GW9994G		Sheet		Rev.	
A. LYNN MILLER, P.E. P.E.# 58705		ANTHONY LYNN MILLER LICENSE No. 58705 6/16/25 STATE OF FLORIDA PROFESSIONAL ENGINEER		ADDED BUTT CORNER DETAIL - CK	



ANCHOR ELEVATION

USE THE SAME ANCHOR PATTERN AT HEAD AND SILL.



SILL ANCHOR PATTERN

USE THE SAME ANCHOR PATTERN AT HEAD.

EXTERIOR

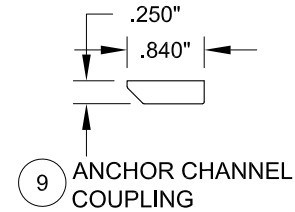
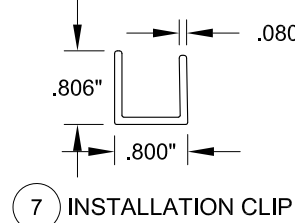
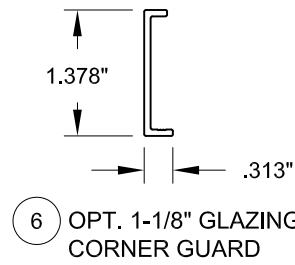
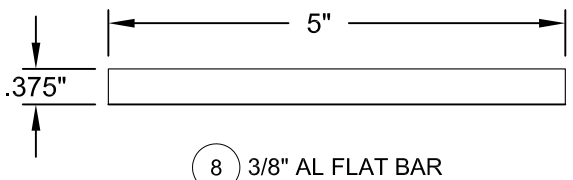
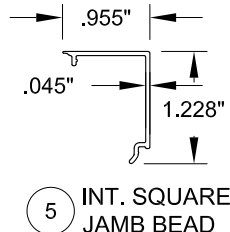
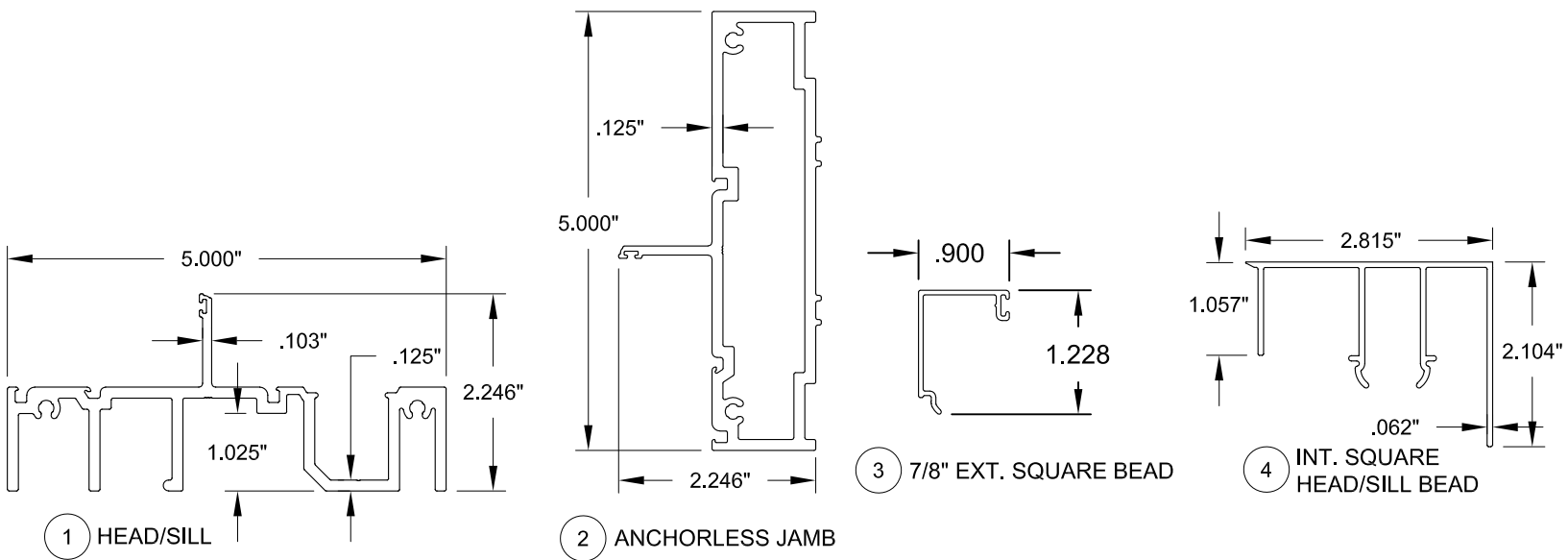


TABLE 3:

Item	Part #	Description	Mat.
1	23045	Head/Sill	6063-T6
2	23046	Anchorless Jamb	6063-T6
3	21012	7/8" Ext. Square Beading	6063-T6
4	23066	Int. Square Head/Sill Beading	6063-T6
5	21013	Interior Square Jamb Beading	6063-T6
6	23101	1-1/8" 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		#10 x 1-1/2" Panhead, Ph. SMS	SS
11	23070	90 Degree Corner Key	PVC
12	23071	135 Degree Corner Key	PVC
20	6TP27K	Beading Bulb Weatherstrip	Vinyl
21	21046	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	Joint Sealants	Any Compatible Sealant with 25% Minimum Movement Capability	Silicone

WINDOOR

WINDOOR, LLC
104 TRIPLE DIAMOND BLVD
N VENICE, FL 34275
(833) 554-5432

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WINDOW SYSTEM, 1-1/8" GLAZING

INSTALL DETAIL, BOM, EXT.

4/15/25

COLTON KEMPf

3 OF 3

GW9994G

9994.3-FPA

ANTHONY LYNN MILLER

LICENSE

No. 58705

6/16/25

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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