

SERIES PW9020A IMPACT RESISTANT FIXED WINDOW

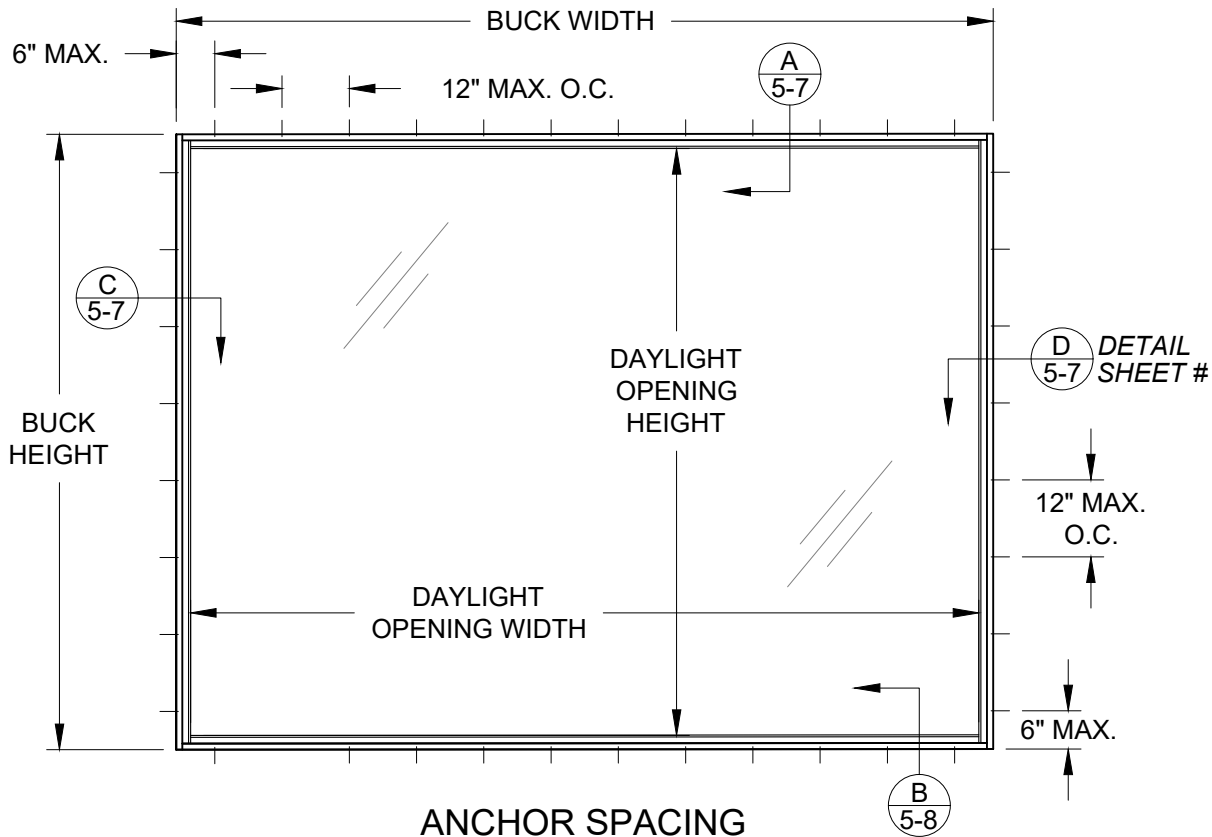
- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS AND INSTALLED ABOVE A HEIGHT OF 30 FT.
- 3) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 1. 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.

TABLE 1:

Anchor Type	Substrate	Min. Edge Distance	Min. O.C. Distance	Min. Embedment or Metal Thickness
#12 Steel SMS (Gr. 5) or 410 SS SMS	Southern Pine (SG = 0.55)	9/16"	1"	1-3/8"
	6063-T5 Aluminum	3/8"	1"	0.125"
	A36 Steel	3/8"	1"	0.045" (18 Ga)
	Steel Stud, Gr. 33	3/8"	1"	0.045" (18 Ga)
1/4" DeWalt UltraCon+	Concrete (min. 3.0 ksi)	1-3/4"	4"	1-3/8"
	Grout-filled CMU (ASTM C90)	1-3/4"	4"	1-3/4"
	Hollow CMU (ASTM C90)	2"	3"	1-1/4"
	Southern Pine (SG = 0.55)	1"	1"	1-3/8"
1/4" 410 SS Elco CreteFlex	Concrete (min. 3.35 ksi)	1-1/4"	6"	1-3/4"
	Hollow or Grout-filled CMU (ASTM C90)	1-3/4"	6"	1-1/4"
	Southern Pine (SG = 0.55)	1"	1"	1-3/8"

- 1) ALL ANCHOR HEAD TYPES ARE APPLICABLE.
- 2) ANCHORS MUST BE OF SUFFICIENT LENGTH SO THAT A MINIMUM OF 3 THREADS EXTEND BEYOND METAL SUBSTRATE.

FLORIDA PRODUCT APPROVAL #15709



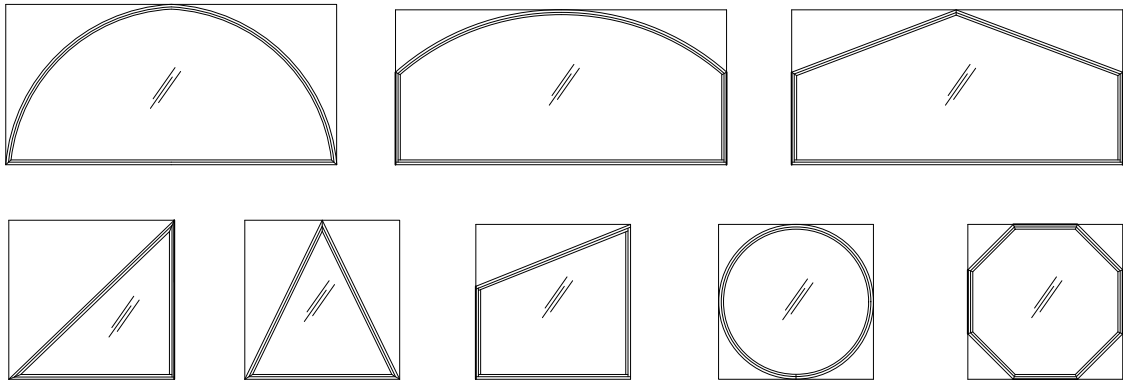
ANCHOR SPACING

SEE TABLES 2 & 3 FOR DP & MAX. SIZES

DLO = BUCK WIDTH OR HEIGHT - (2.230" - 2.230") USING STANDARD RAILS.
IF USING OPTIONAL TALL RAILS, SEE SHEET 9 FOR FRAME MEMBER HEIGHT DEDUCTIONS.

ALL TEMPERED AND/OR LAMINATED GLASS OPTIONS IN THIS APPROVAL HAVE BEEN CERTIFIED BY THE SGCC FOR COMPLIANCE TO ANSI Z97.1, CLASS A AND CPSC 16 CFR 1201, CATEGORY II. THIS INCLUDES LAMINATED GLASS THAT IS MANUFACTURED WITH ANNEALED GLASS PLIES. FOR APPLICATIONS WHERE THE WINDOW IS BEING USED AS A GUARD, HEAT STRENGTHENED OR TEMPERED LAMINATED GLASS MUST BE USED.

ALL ARCHITECTURAL WINDOW SHAPES WITH ALL ALUMINUM OR THERMALLY-BROKEN RAILS QUALIFIED, COMMON EXAMPLES SHOWN BELOW. INSCRIBE THE SHAPE IN A BLOCK (SEE EXAMPLES BELOW), AND OBTAIN DESIGN PRESSURES FOR THAT BLOCK SIZE FROM DESIGN PRESSURE TABLES.

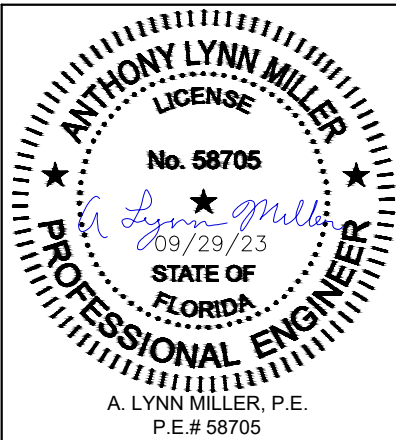


DESIGN PRESSURE RATING
SEE TABLES 2 - 5

IMPACT RATING
RATED FOR SMALL MISSILE
IMPACT RESISTANCE ONLY,
MISSILE LEVEL A, WINDZONE 4

GENERAL NOTES.....1
DESIGN PRESSURES..... 2-4
INSTALL DETAILS.....5-7
GLAZING DETAILS.....8
EXTRUSIONS..... 9-10
BILL OF MATERIALS..... 9

WINDOOR INCORPORATED WINDOOR INCORPORATED 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		
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Title	ALUMINUM FIXED WINDOW (SM)		Date	06/12/11
ELEVATION & GENERAL NOTES				
PW9020A		Drawn By		JENS ROSOWSKI
Series	Desc.	No.		DWG
1 OF 10		Sheet		9020FPA-SM



Rev. # 09/29/23 Date
ADD ANSI Z97.1 NOTE

TABLE 2:

Maximum Design Pressure (psf) for Units with Glass Type A																										
Buck Height (in)	Buck Width (in)																									
	24		30		36		42		48		54		60		66		72		78		84		90		96	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24	147.3	147.3	146.0	146.0	144.7	144.7	143.3	143.3	142.0	142.0	140.7	140.7	139.3	139.3	138.0	138.0	136.7	136.7	135.3	135.3	134.0	134.0	132.7	132.7	131.3	131.3
30	146.0	146.0	145.8	145.8	144.2	144.2	142.5	142.5	140.8	140.8	139.2	139.2	137.5	137.5	135.8	135.8	134.2	134.2	132.5	132.5	130.8	130.8	129.2	129.2	127.5	127.5
36	144.7	144.7	144.2	144.2	144.0	144.0	142.0	142.0	140.0	140.0	138.0	138.0	136.0	136.0	134.0	134.0	132.0	132.0	130.0	130.0	128.0	128.0	126.0	126.0	124.0	124.0
42	143.3	143.3	142.5	142.5	142.0	142.0	141.8	141.8	139.5	139.5	137.2	137.2	134.8	134.8	132.5	132.5	130.2	130.2	127.8	127.8	125.5	125.5	123.2	123.2	120.8	120.8
48	142.0	142.0	140.8	140.8	140.0	140.0	139.5	139.5	139.3	139.3	136.7	136.7	134.0	134.0	131.3	131.3	128.7	128.7	126.0	126.0	123.3	123.3	120.7	120.7	118.0	118.0
54	140.7	140.7	139.2	139.2	138.0	138.0	137.2	137.2	136.7	136.7	136.5	136.5	133.5	133.5	130.5	130.5	127.5	127.5	124.5	124.5	121.5	121.5	118.5	118.5	115.5	115.5
60	139.3	139.3	137.5	137.5	136.0	136.0	134.8	134.8	134.0	134.0	133.5	133.5	133.3	133.3	130.0	130.0	126.7	126.7	123.3	123.3	120.0	120.0	116.7	116.7	113.3	113.3
66	138.0	138.0	135.8	135.8	134.0	134.0	132.5	132.5	131.3	131.3	130.5	130.5	130.0	130.0	129.8	129.8	126.2	126.2	122.5	122.5	118.8	118.8	115.2	115.2	111.5	111.5
72	136.7	136.7	134.2	134.2	132.0	132.0	130.2	130.2	128.7	128.7	127.5	127.5	126.7	126.7	126.2	126.2	126.0	126.0	122.0	122.0	118.0	118.0	114.0	114.0	110.0	110.0
78	135.3	135.3	132.5	132.5	130.0	130.0	127.8	127.8	126.0	126.0	124.5	124.5	123.3	123.3	122.5	122.5	122.0	122.0	121.8	121.8	117.5	117.5	-	-	-	-
84	134.0	134.0	130.8	130.8	128.0	128.0	125.5	125.5	123.3	123.3	121.5	121.5	120.0	120.0	118.8	118.8	118.0	118.0	117.5	117.5	-	-	-	-	-	-
90	132.7	132.7	129.2	129.2	126.0	126.0	123.2	123.2	120.7	120.7	118.5	118.5	116.7	116.7	115.2	115.2	114.0	114.0	-	-	-	-	-	-	-	-
96	131.3	131.3	127.5	127.5	124.0	124.0	120.8	120.8	118.0	118.0	115.5	115.5	113.3	113.3	111.5	111.5	110.0	110.0	-	-	-	-	-	-	-	-
102	130.0	130.0	125.8	125.8	122.0	122.0	118.5	118.5	115.3	115.3	112.5	112.5	110.0	110.0	107.8	107.8	-	-	-	-	-	-	-	-	-	-
108	128.7	128.7	124.2	124.2	120.0	120.0	116.2	116.2	112.7	112.7	109.5	109.5	106.7	106.7	-	-	-	-	-	-	-	-	-	-	-	-
114	127.3	127.3	122.5	122.5	118.0	118.0	113.8	113.8	110.0	110.0	106.5	106.5	103.3	103.3	-	-	-	-	-	-	-	-	-	-	-	-
120	126.0	126.0	120.8	120.8	116.0	116.0	111.5	111.5	107.3	107.3	103.5	103.5	100.0	100.0	-	-	-	-	-	-	-	-	-	-	-	-
126	124.7	124.7	119.2	119.2	114.0	114.0	109.2	109.2	104.7	104.7	100.5	100.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
132	123.3	123.3	117.5	117.5	112.0	112.0	106.8	106.8	102.0	102.0	97.5	97.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138	122.0	122.0	115.8	115.8	110.0	110.0	104.5	104.5	99.3	99.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144	120.7	120.7	114.2	114.2	108.0	108.0	102.2	102.2	96.7	96.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:
1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE DIMENSION.

WINDOOR
INCORPORATED

WINDOOR INCORPORATED
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

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ALUMINUM FIXED WINDOW (SM)

DESIGN PRESSURE TABLES

PW9020A

06/12/11

JENS ROSOWSKI

9020FPA-SM

No.

DWG

2 OF 10

Sheet

By

Date

Rev. #

09/29/23

Date

NO CHANGES ON THIS SHEET.

Rev.

B

TABLE 3:

Maximum Design Pressure (psf) for Units with Glass Type B																											
Buck Height (in)	Buck Width (in)																										
	24		30		36		42		48		54		60		66		72		78		84		90		96		
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	
24	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.0	124.0	122.7	122.7	121.3	121.3	
30	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.2	124.2	122.5	122.5	120.8	120.8	119.2	119.2	117.5	117.5	
36	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.0	124.0	122.0	122.0	120.0	120.0	118.0	118.0	116.0	116.0	114.0	114.0	
42	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.8	124.8	122.5	122.5	120.2	120.2	117.8	117.8	115.5	115.5	113.2	113.2	110.8	110.8	
48	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.0	124.0	121.3	121.3	118.7	118.7	116.0	116.0	113.3	113.3	110.7	110.7	108.0	108.0	
54	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	123.5	123.5	102.5	102.5	117.5	117.5	114.5	114.5	111.5	111.5	108.5	108.5	105.5	105.5	
60	125.0	125.0	125.0	125.0	125.0	125.0	124.8	124.8	124.0	124.0	123.5	123.5	123.3	123.3	120.0	120.0	116.7	116.7	113.3	113.3	110.0	110.0	106.7	106.7	103.3	103.3	
66	125.0	125.0	125.0	125.0	124.0	124.0	122.5	122.5	121.3	121.3	120.5	120.5	120.0	120.0	119.8	119.8	116.2	116.2	112.5	112.5	108.8	108.8	105.2	105.2	101.5	101.5	
72	125.0	125.0	124.2	124.2	122.0	122.0	120.2	120.2	118.7	118.7	117.5	117.5	116.7	116.7	116.2	116.2	116.0	116.0	112.0	112.0	108.0	108.0	104.0	104.0	100.0	100.0	
78	125.0	125.0	122.5	122.5	120.0	120.0	117.8	117.8	116.0	116.0	114.5	114.5	113.3	113.3	112.5	112.5	112.0	112.0	111.8	111.8	107.5	107.5	-	-	-	-	
84	124.0	124.0	120.8	120.8	118.0	118.0	115.5	115.5	113.3	113.3	111.5	111.5	110.0	110.0	108.8	108.8	106.0	106.0	107.5	107.5	-	-	-	-	-	-	
90	122.7	122.7	119.2	119.2	116.0	116.0	113.2	113.2	110.7	110.7	108.5	108.5	106.7	106.7	105.2	105.2	104.0	104.0	-	-	-	-	-	-	-	-	
96	121.3	121.3	117.5	117.5	114.0	114.0	110.8	110.8	108.0	108.0	105.5	105.5	103.3	103.3	101.5	101.5	100.0	100.0	-	-	-	-	-	-	-	-	
102	120.0	120.0	115.8	115.8	112.0	112.0	108.5	108.5	105.3	105.3	102.5	102.5	100.0	100.0	97.8	97.8	-	-	-	-	-	-	-	-	-	-	
108	118.7	118.7	114.2	114.2	110.0	110.0	106.2	106.2	102.7	102.7	99.5	99.5	96.7	96.7	-	-	-	-	-	-	-	-	-	-	-	-	
114	117.3	117.3	112.5	112.5	108.0	108.0	103.8	103.8	100.0	100.0	96.5	96.5	93.3	93.3	-	-	-	-	-	-	-	-	-	-	-	-	
120	116.0	116.0	110.8	110.8	106.0	106.0	101.5	101.5	97.3	97.3	93.5	93.5	90.0	90.0	-	-	-	-	-	-	-	-	-	-	-	-	
126	114.7	114.7	109.2	109.2	104.0	104.0	99.2	99.2	94.7	94.7	90.5	90.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
132	113.3	113.3	107.5	107.5	102.0	102.0	96.8	96.8	92.0	92.0	87.5	87.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
138	112.0	112.0	105.8	105.8	100.0	100.0	94.5	94.5	89.3	89.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
144	110.7	110.7	104.2	104.2	98.0	98.0	92.2	92.2	86.7	86.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

NOTES:
1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE DIMENSION.

WindoOR

INCORPORATED

WINDOOR INCORPORATED
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

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ALUMINUM FIXED WINDOW (SM)

DESIGN PRESSURE TABLES

PW9020A

06/12/11

JENS ROSOWSKI

9020FPA-SM

3 OF 10

No.

DWG

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LICENSE

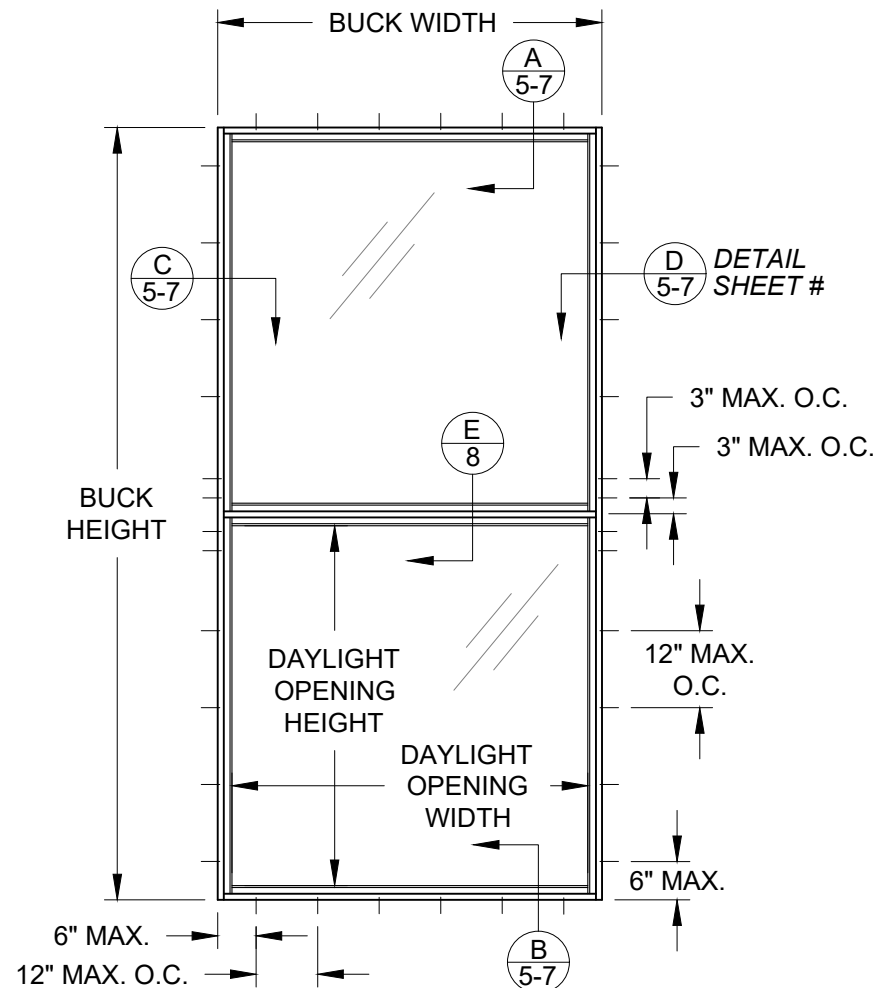
No. 58705

09/29/23

STATE OF FLORIDA

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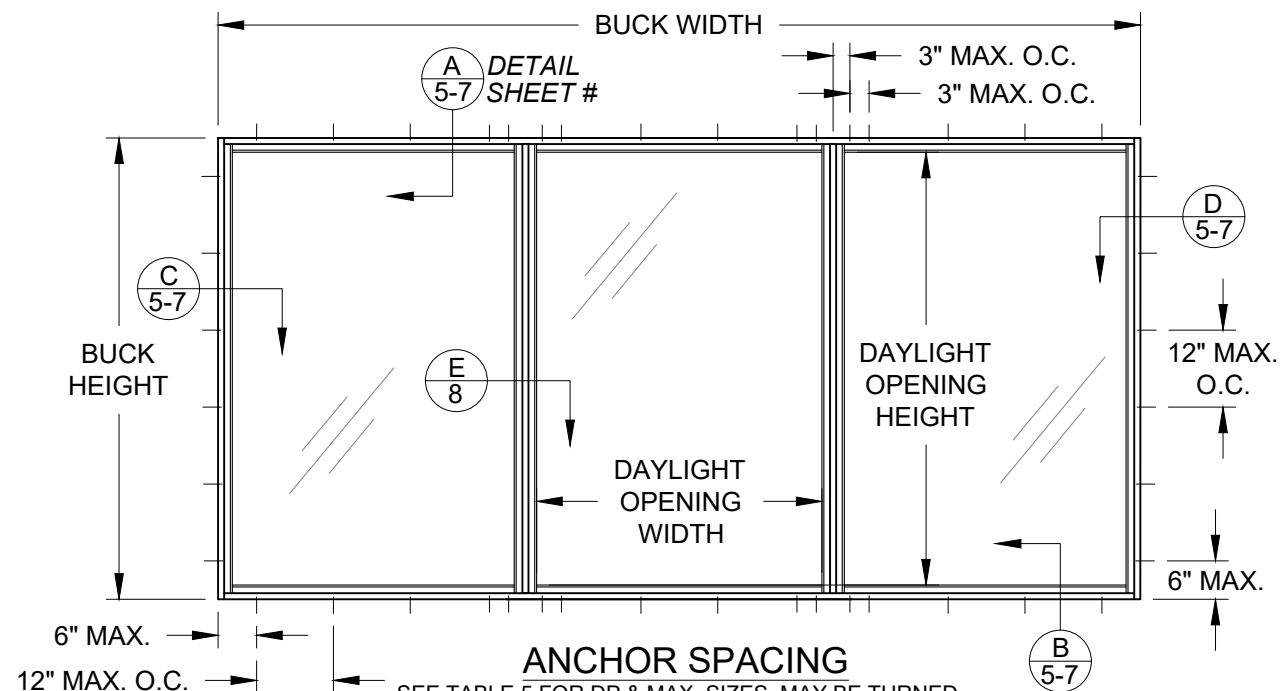
A. LYNN MILLER, P.E.
P.E.# 58705



ANCHOR SPACING

SEE TABLE 4 FOR DP & MAX. SIZES. MAY BE TURNED 90° TO CREATE A SINGLE, VERTICAL MULLION.

SEE SHEET 9 FOR MULLION & FRAME MEMBER DEDUCTIONS REQUIRED TO CALCULATE DLO.



ANCHOR SPACING

SEE TABLE 5 FOR DP & MAX. SIZES. MAY BE TURNED 90° TO CREATE TWO HORIZONTAL MULLIONS.

TABLE 4:

Maximum Design Pressure (psf) for Units with Glass Types A or B														
Buck Height (in)	Buck Width (in)													
	24		30		36		42		48		54		60	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
30	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
36	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
42	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
48	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
54	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
60	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
66	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
72	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	119.0
78	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	114.0
84	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	109.9
90	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	106.7
96	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	104.2
102	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	123.8	100.0	102.3
108	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	123.5	100.0	101.0
114	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	123.5	100.0	100.3
120	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	123.5	100.0	100.0

TABLE 5:

Maximum Design Pressure (psf) for Units with Glass Types A or B														
Buck Height (in)	Buck Width (in)													
	36		54		72		90		108		126		144	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
30	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
36	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
42	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
48	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
54	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	124.7	70.0	120.0
60	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	114.3	70.0	105.5	70.0	100.0
66	70.0	125.0	70.0	125.0	70.0	125.0	70.0	112.9	70.0	100.0	70.0	91.4	70.0	85.7
72	70.0	125.0	70.0	125.0	70.0	120.0	70.0	101.1	70.0	88.9	70.0	80.7	70.0	75.0

NOTES:

1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE DIMENSION.

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

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

ALUMINUM FIXED WINDOW (SM)

DESIGN PRESSURE TABLES

JENS ROSOWSKI

PW9020A

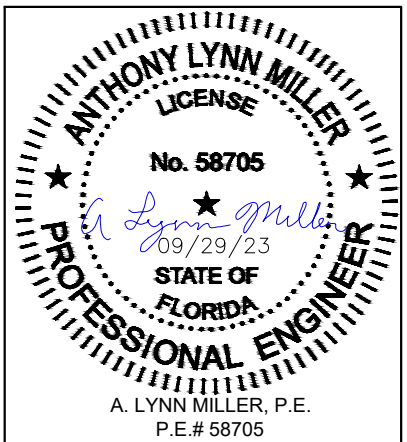
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9020FPA-SM

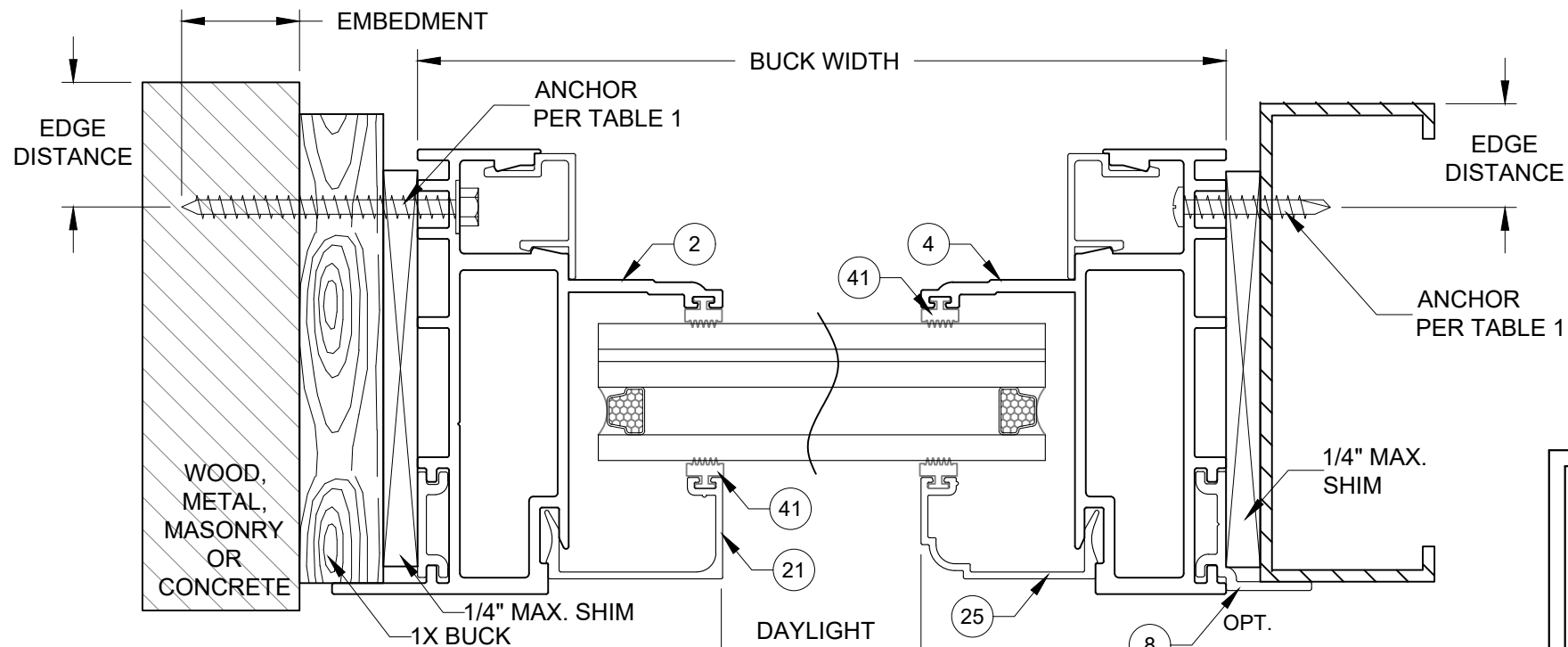
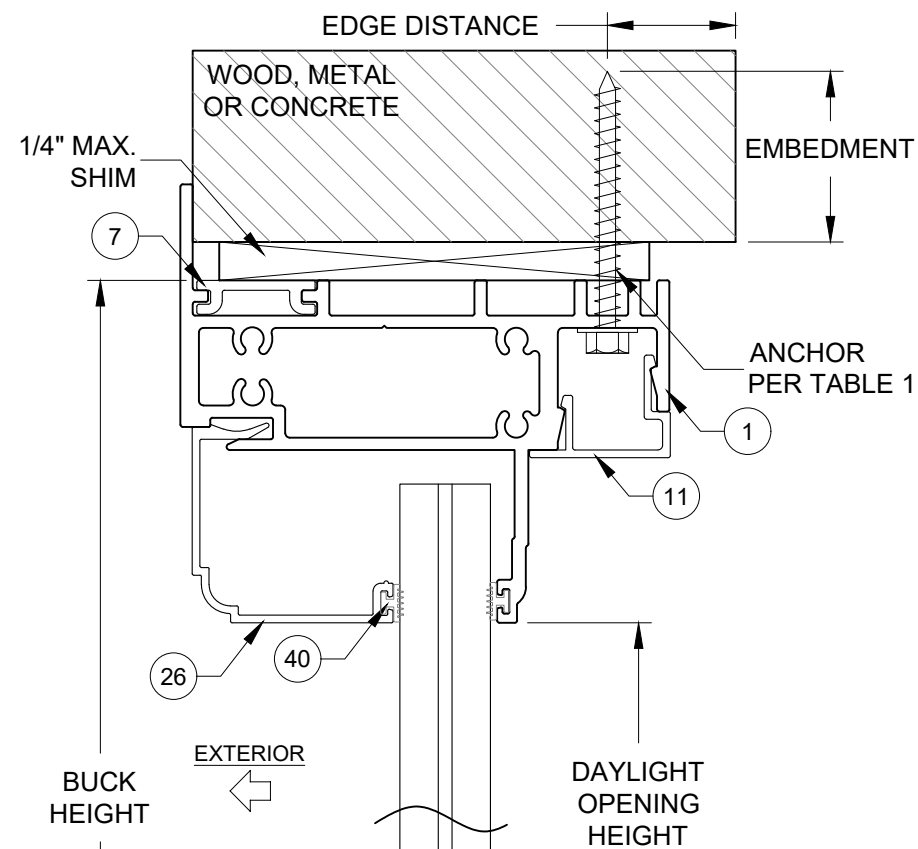
06/12/11

By

Date

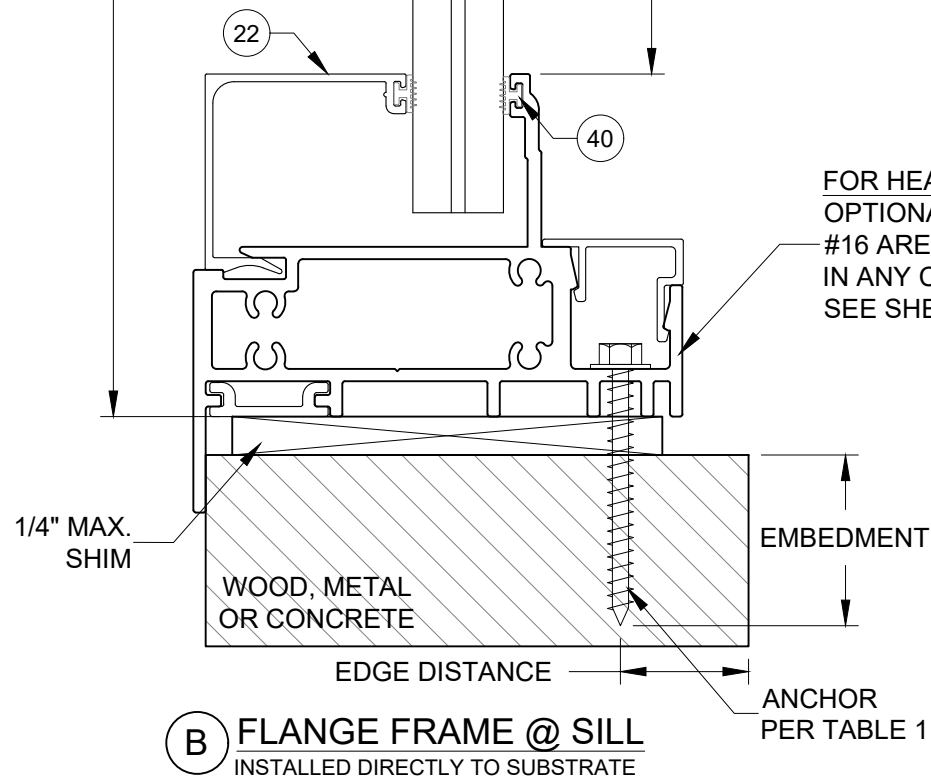


A FLANGE FRAME @ HEAD INSTALLED DIRECTLY TO SUBSTRATE



C FLANGE FRAME @ LEFT JAMB USING 1X BUCK

D FLANGE FRAME @ RIGHT JAMB METAL SUBSTRATE (SHOWN WITH OPT. FLANGE ADAPTER)

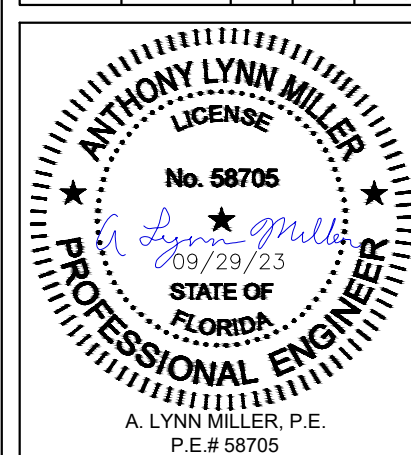


FOR HEAD AND SILL:
OPTIONAL RAILS #14, #15 &
#16 ARE ALSO APPROVED
IN ANY COMBINATIONS.
SEE SHEET 9.

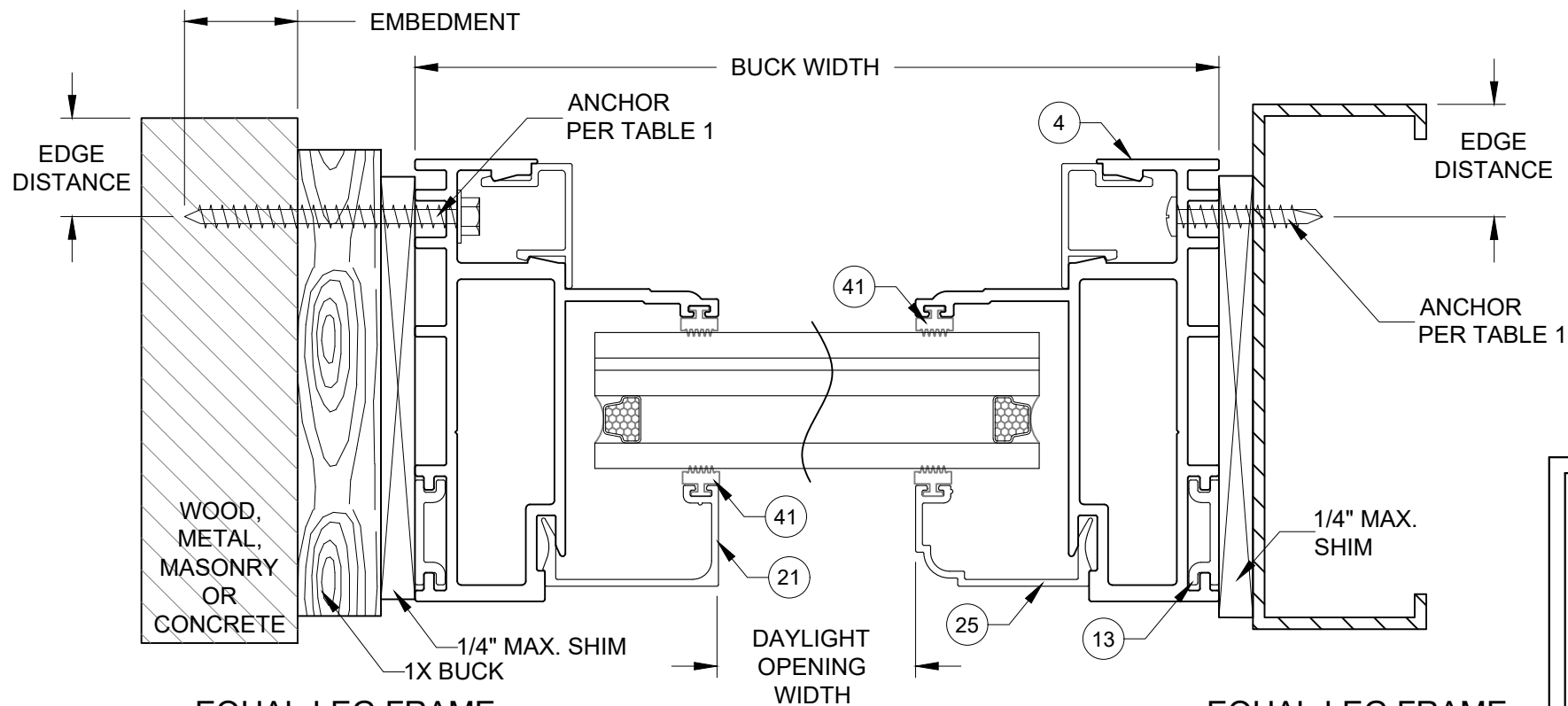
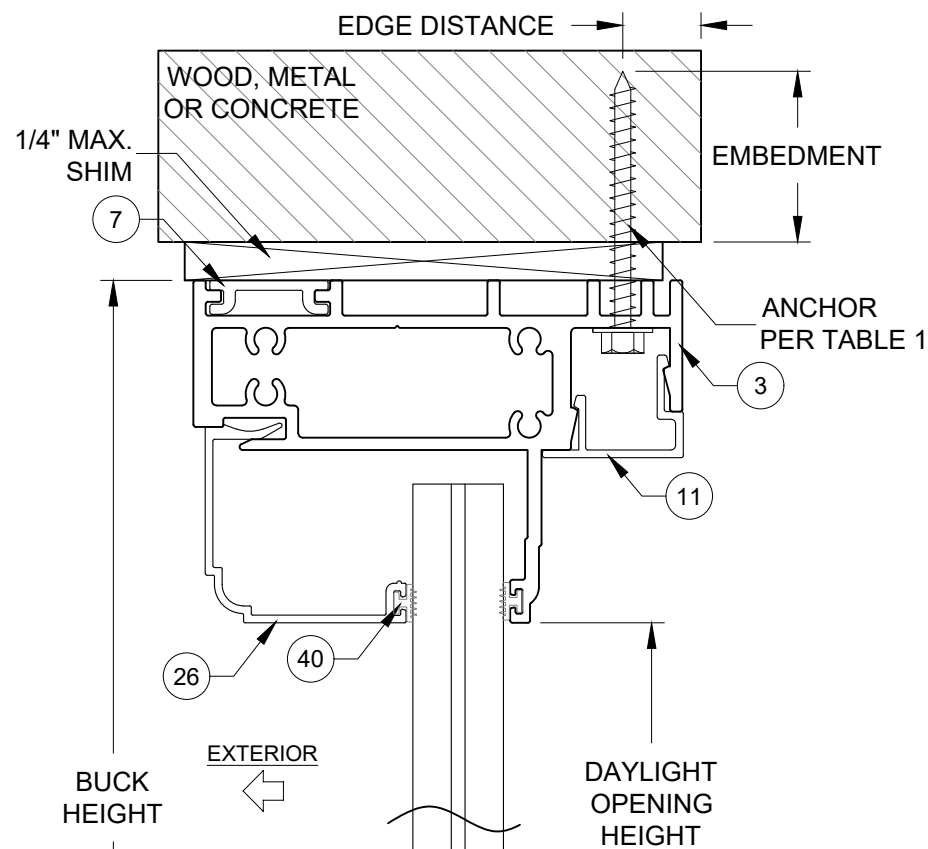
INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR SPACING REQUIREMENTS.
- 2) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN TABLE 1. FOLLOW EMBEDMENT AND EDGE DISTANCE DIMENSIONS FROM TABLE 1 AND O.C. DIMENSION FROM THE ELEVATION ON SHEETS 1 OR 2.
- 3) ANY INSTALLATION OPTION SHOWN (2X BUCK, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW.
- 4) GLASS SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND MAY DIFFER TO MEET DESIGN REQUIREMENTS.
- 5) FLANGE MAY BE REMOVED IN-FIELD.
- 6) SHIM THICKNESS TO BE 1/4". IF SHIMS ARE REQUIRED, SHIM AT EACH ANCHOR LOCATION.
- 7) CONCRETE ANCHOR LOCATIONS MUST BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTAR JOINTS. ADDITIONAL CONCRETE ANCHORS MAY BE REQUIRED TO ENSURE THE O.C. DIMENSION IS NOT EXCEEDED.

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WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432		ALUMINUM FIXED WINDOW (SM)		Date		JENS ROSOWSKI	
FLANGE FRAME INSTALLATION		By		Drawn		9020FPA-SM	
PW9020A		5 OF 10		No.		DWG	
Sheet							

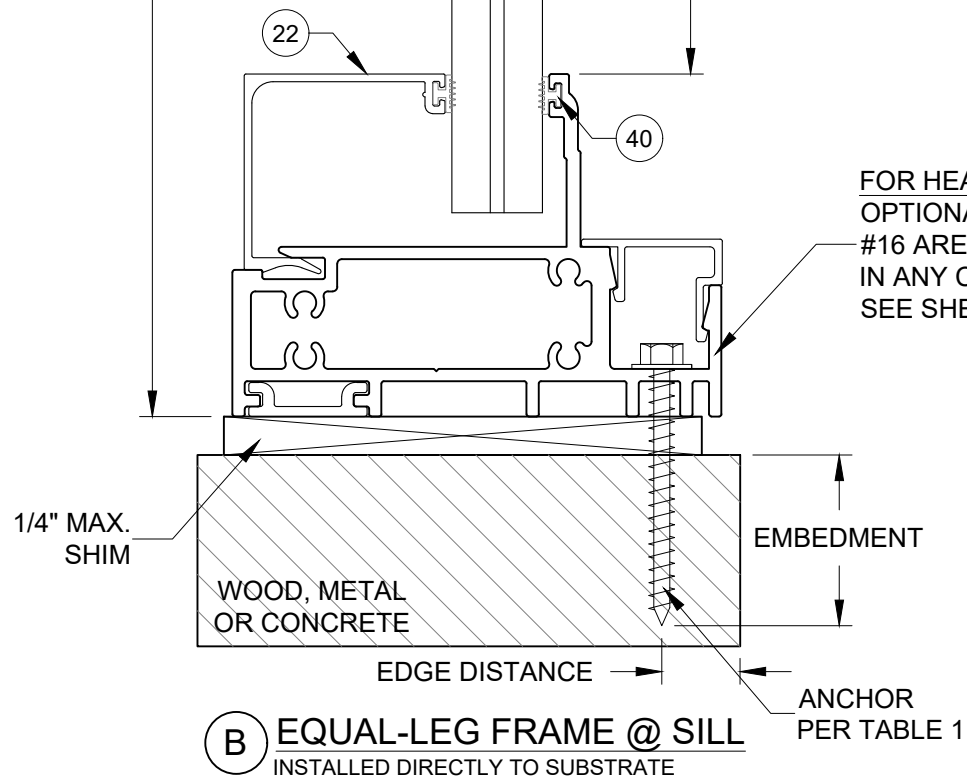


A EQUAL-LEG FRAME @ HEAD
INSTALLED DIRECTLY TO SUBSTRATE



C EQUAL-LEG FRAME @ LEFT JAMB
USING 1X BUCK

D EQUAL-LEG FRAME @ RIGHT JAMB
METAL SUBSTRATE

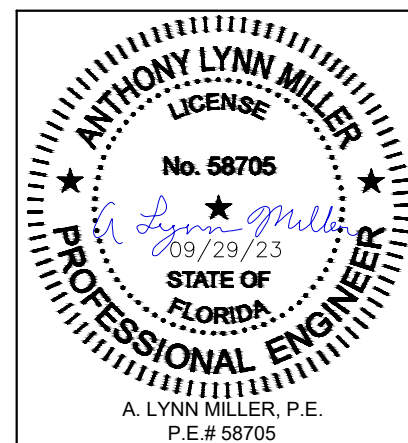


FOR HEAD AND SILL:
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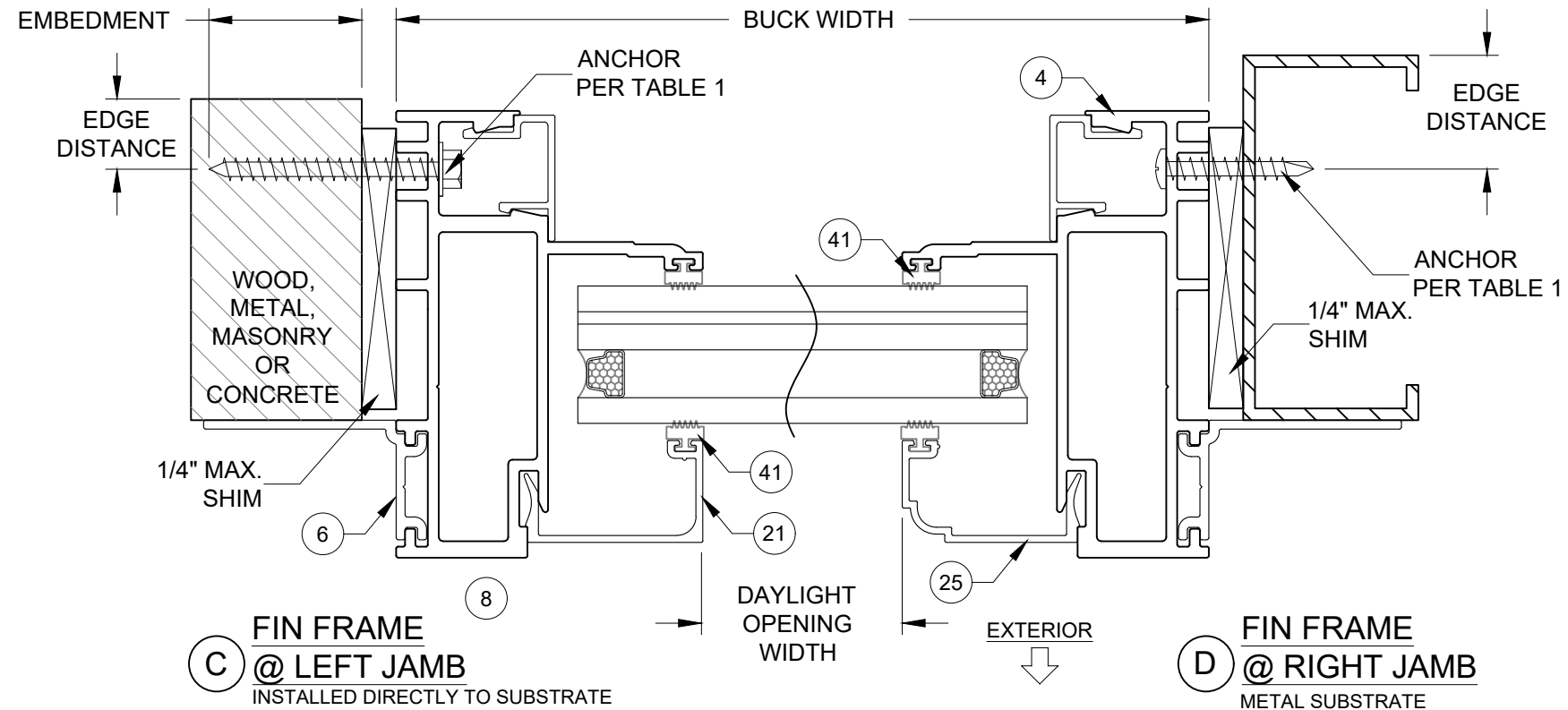
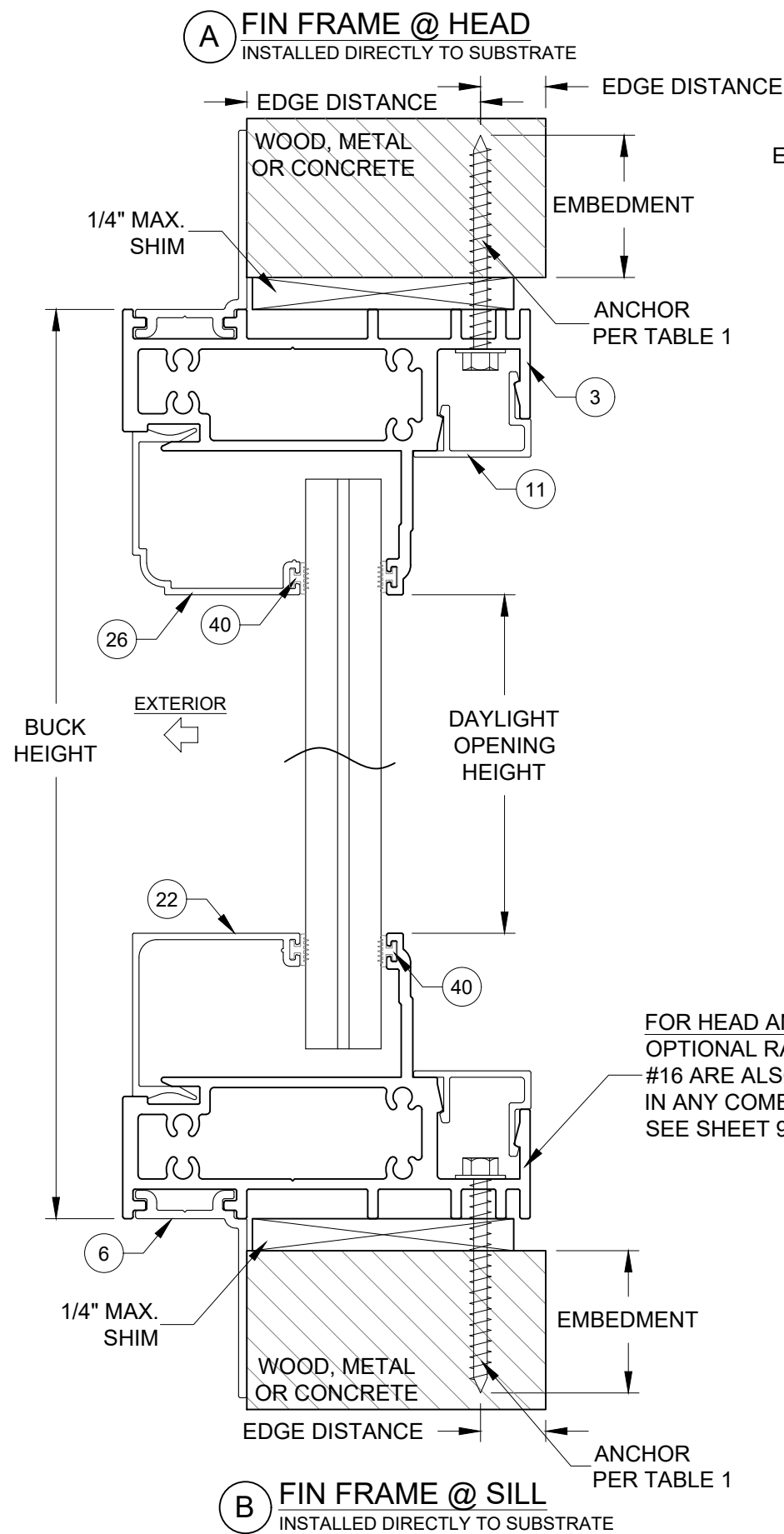
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EQUAL-LEG FRAME INSTAL.		By	Date	PW9020A	6 OF 10
Sheet		No.	DWG		



Rev.	NO CHANGES ON THIS SHEET.	Date	09/29/23	Rev.	B
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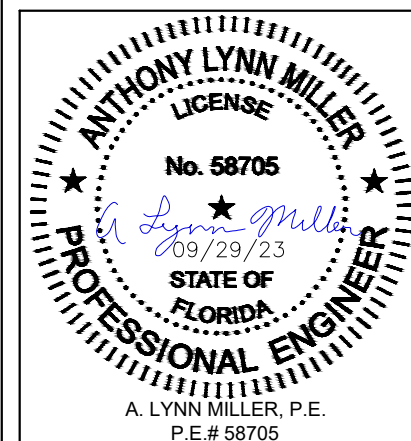
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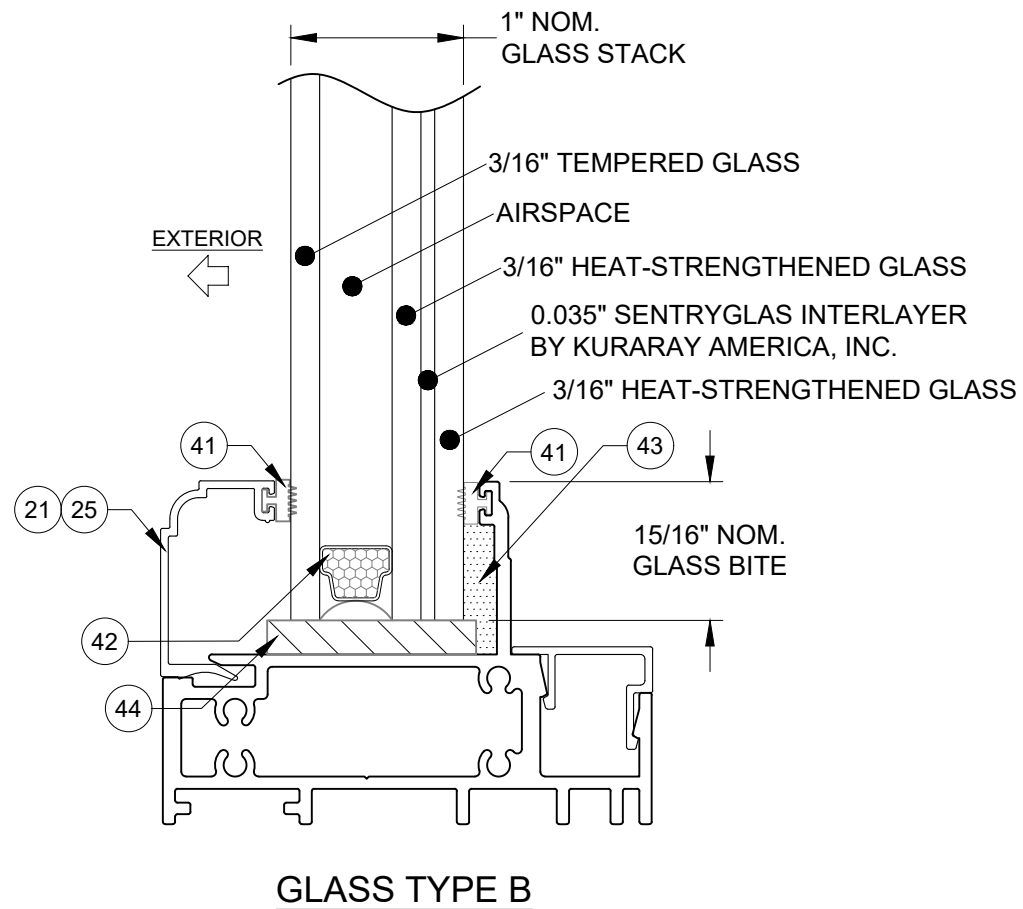
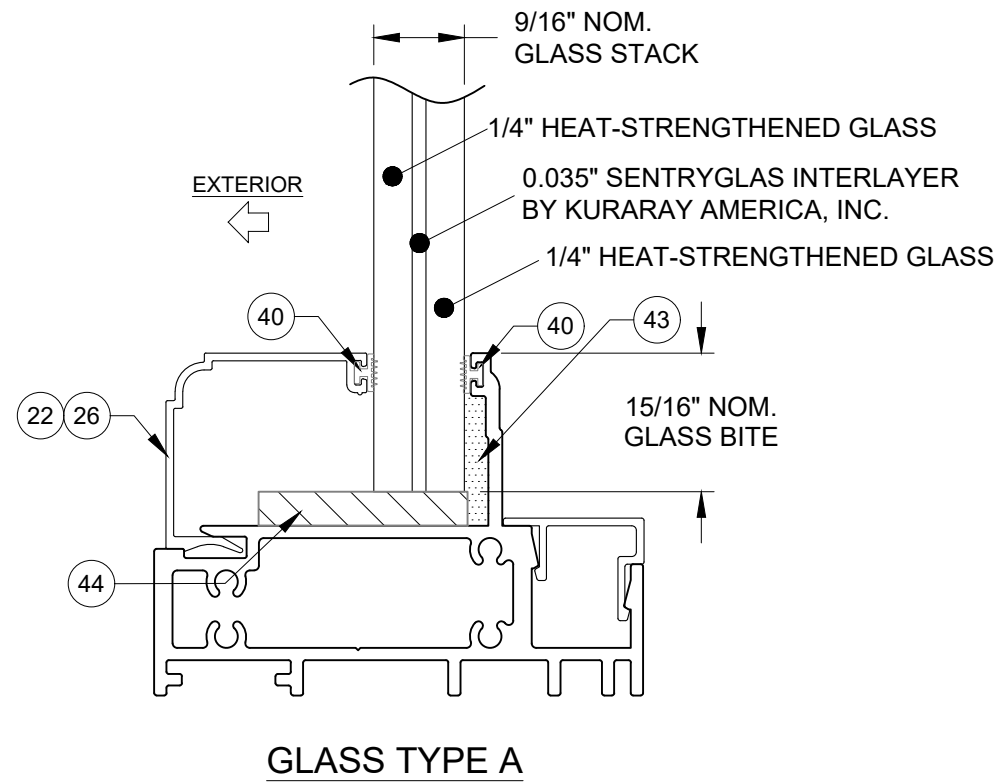
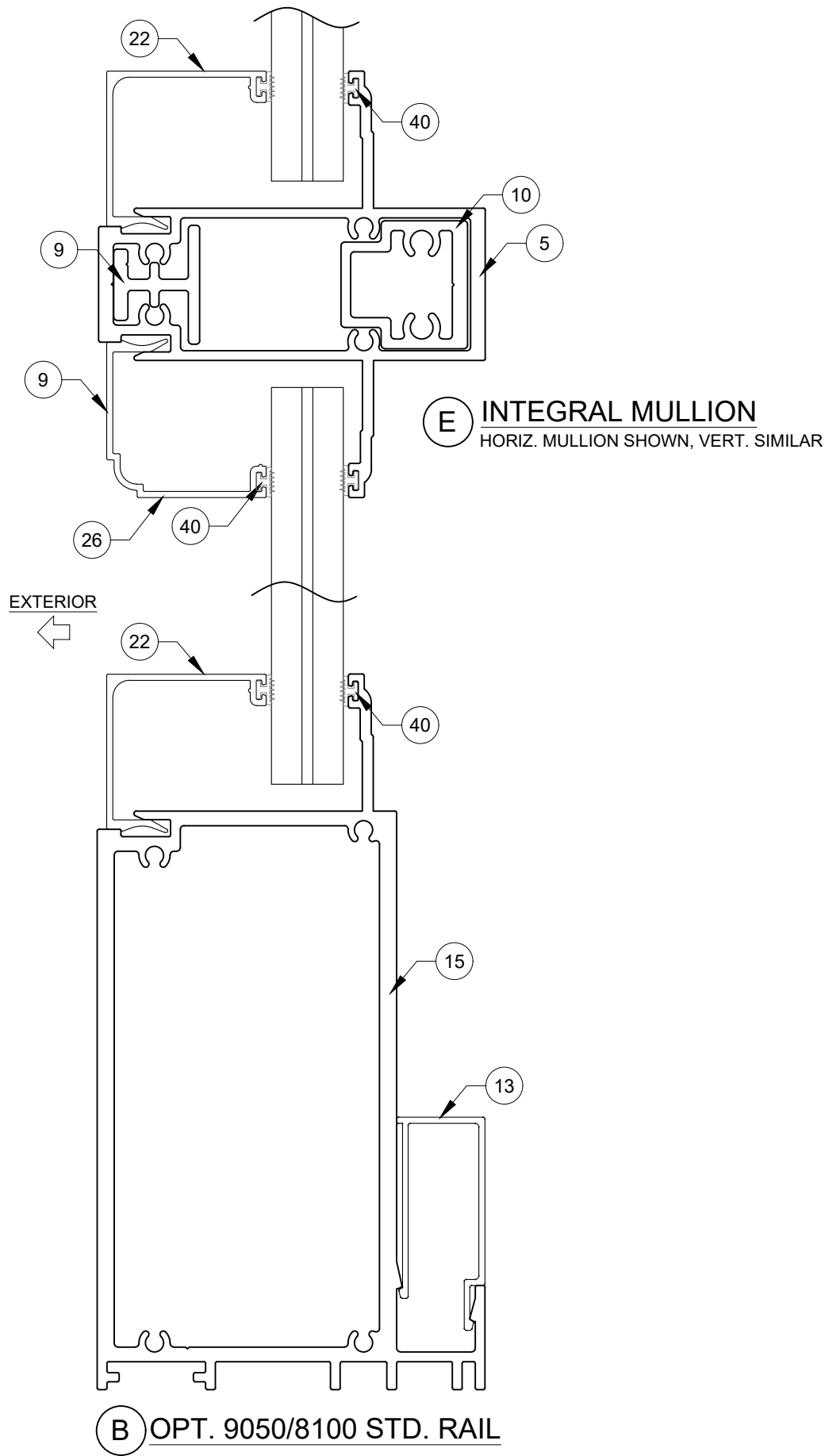
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FOR HEAD AND SILL:
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#16 ARE ALSO APPROVED
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SEE SHEET 9.

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	ALUMINUM FIXED WINDOW (SM)	06/12/11	JENS ROSOWSKI	9020FPA-SM
PW9020A	7 OF 10	Sheet	FIN FRAME INSTALLATION	Dwg No.



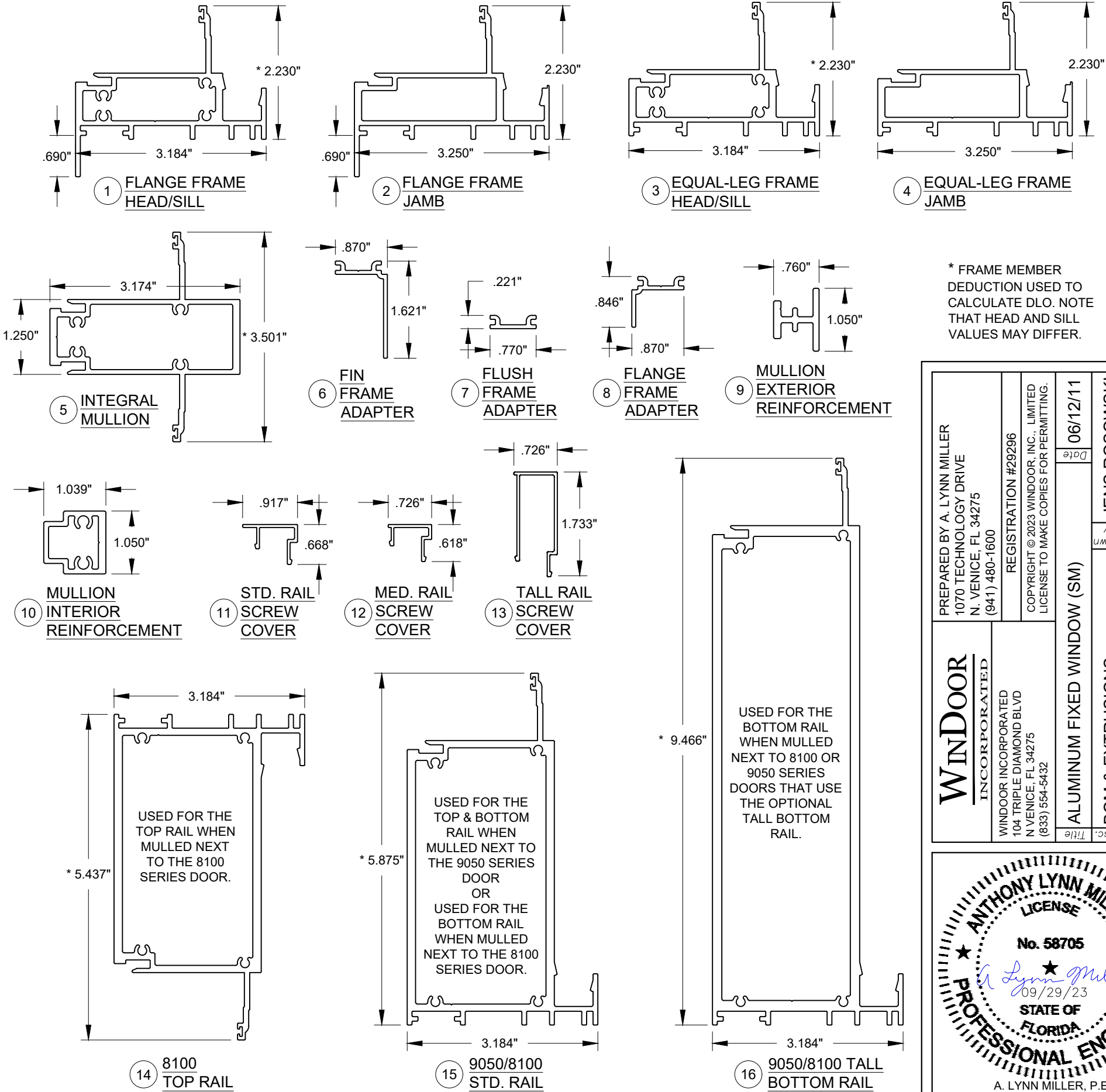


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WinDoor INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N. VENICE, FL 34275 (833) 554-5432		ALUMINUM FIXED WINDOW (SM)		MULLION & GLAZING DETAILS		PW9020A		8 OF 10	
Series		Desc.		Title		Sheet		DWG No.	

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No. 58705
09/29/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

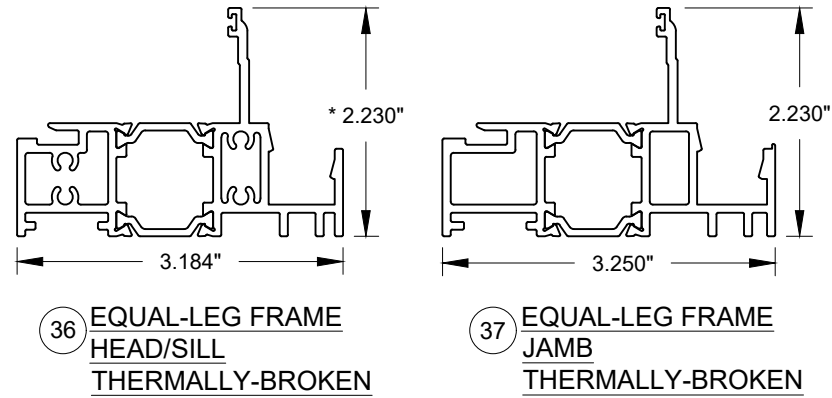
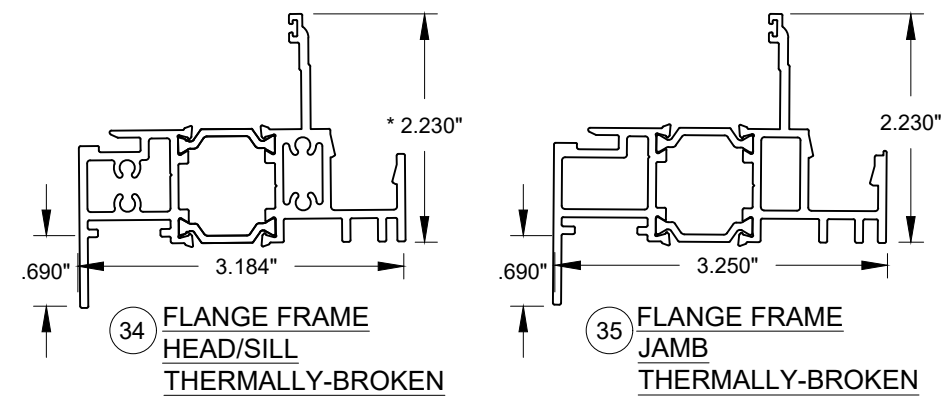
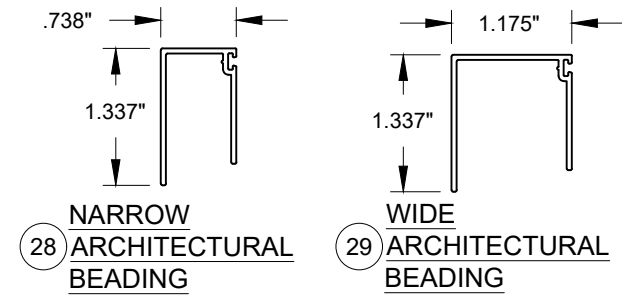
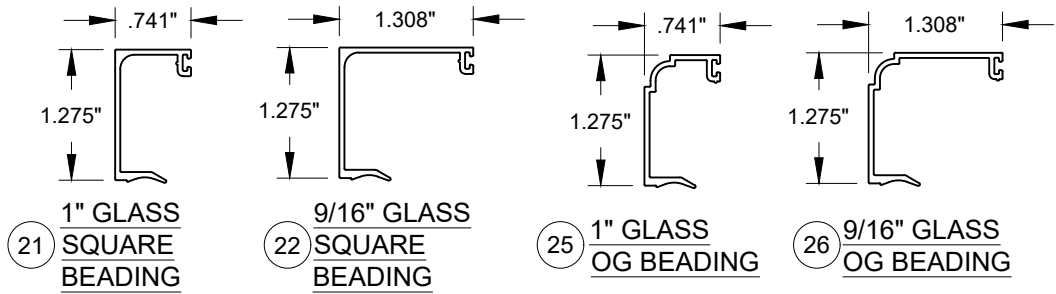
TABLE 7:

ITEM #	PART #	DESCRIPTION	MATERIAL
1	12012616	Flange Frame Head & Sill	ALUM. 6063-T6
2	12012615	Flange Frame Jamb	ALUM. 6063-T6
3	12012475	Equal-leg Frame Head & Sill	ALUM. 6063-T6
4	12012476	Equal-leg Frame Jamb	ALUM. 6063-T6
5	12012620	Integral Mullion	ALUM. 6063-T6
6	11049332	Fin Frame Adapter	ALUM. 6063-T6
7	11049330	Flush Frame Adapter	ALUM. 6063-T6
8	11049331	Flange Frame Adapter	ALUM. 6063-T6
9	11006558	Mullion Exterior Reinforcement	ALUM. 6063-T6
10	11006559	Mullion Interior Reinforcement	ALUM. 6063-T6
11	11049328	Std. Screw Cover	ALUM. 6063-T6
12	11052614	Med. Rail Screw Cover	ALUM. 6063-T6
13	11010417	Tall Rail Screw Cover	ALUM. 6063-T6
14	12012619	8100 Top Rail	ALUM. 6063-T6
15	12012617	9050/8100 Std. Rail	ALUM. 6063-T6
16	12012618	9050/8100 Tall Bottom Rail	ALUM. 6063-T6
21	11052598	1" Square Glass Beading	ALUM. 6063-T6
22	11052597	9/16" Square Glass Beading	ALUM. 6063-T6
25	11046084	1" OG Glass Beading	ALUM. 6063-T6
26	11049329	9/16" OG Glass Beading	ALUM. 6063-T6
28	11055400	Narrow Architectural Beading	ALUM. 6063-T6
29	11055399	Wide Architectural Beading	ALUM. 6063-T6
30	131014	#8 x 1" SMS (Frame Assembly)	Stainless Steel
31		#8 x 1-3/4" SMS (Mullion Assembly)	Stainless Steel
34	9020A1-WDI	Flange Frame Head & Sill, TB	ALUM. 6063-T6
35	9020A2-WDI	Flange Frame Jamb, TB	ALUM. 6063-T6
36	902A03-WDI	Equal-leg Frame Head & Sill, TB	ALUM. 6063-T6
37	902A11-WDI	Equal-leg Frame Jamb, TB	ALUM. 6063-T6
40	121005	Thin Glazing Vinyl, 80 +/-5 Duro.	Vinyl
41	121006	Thick Glazing Vinyl, 80 +/-5 Duro.	Vinyl
42		IG Spacer	varies
43		SikaFlex 552, Dow 791/983 Backbedding	Silicone
44		Setting Block, 85 +/-5 Duro.	Rubber



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		By	JENS ROSOWSKI
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N. VENICE, FL 34275 (833) 554-5432	ALUMINUM FIXED WINDOW (SM)	DWG No.	9020FPA-SM
		Sheet	9 OF 10
BOM & EXTRUSIONS	PW9020A	Series	

ANTHONY LYNN MILLER
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P.E.# 58705



Rev.	Date	Rev.#	Date
		09/29/23	B

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WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD N VENICE, FL 34275 (833) 554-5432	ALUMINUM FIXED WINDOW (SM)		10 OF 10	
	BOM & EXTRUSIONS		PW9020A	

