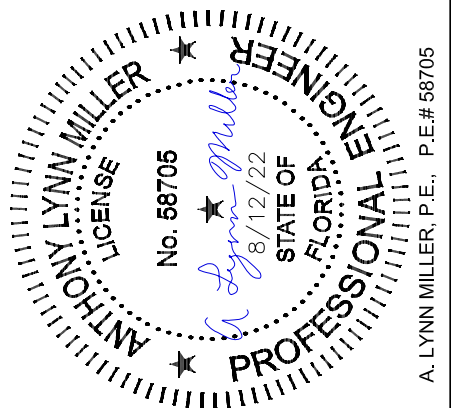




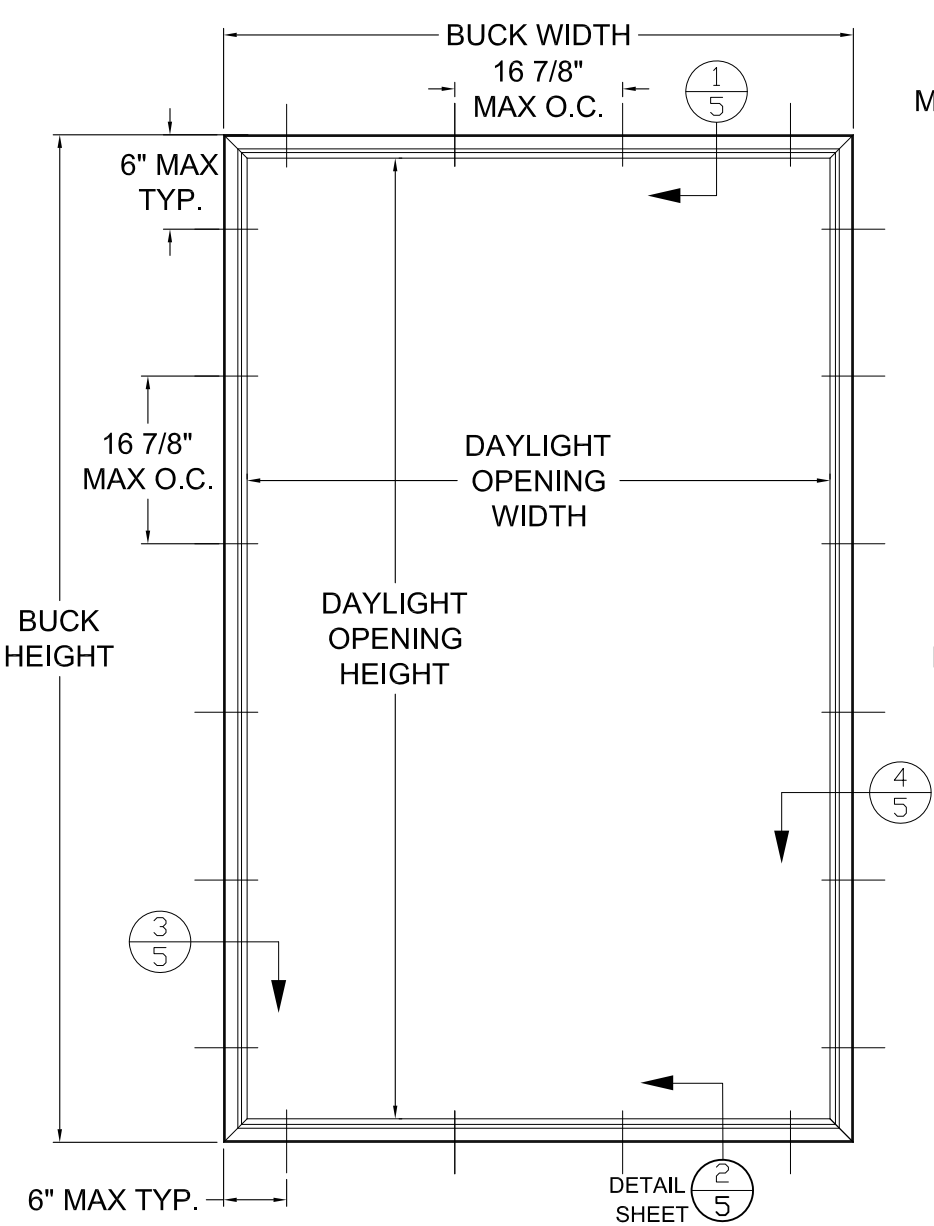
MODEL 1865 FIXED PICTURE WINDOW,
LARGE & SMALL MISSILE IMPACT RESISTANT,
EQUAL-LEG, INTEGRAL FIN AND FIN/FLANGE FRAMES

FLORIDA PRODUCT APPROVAL #39123

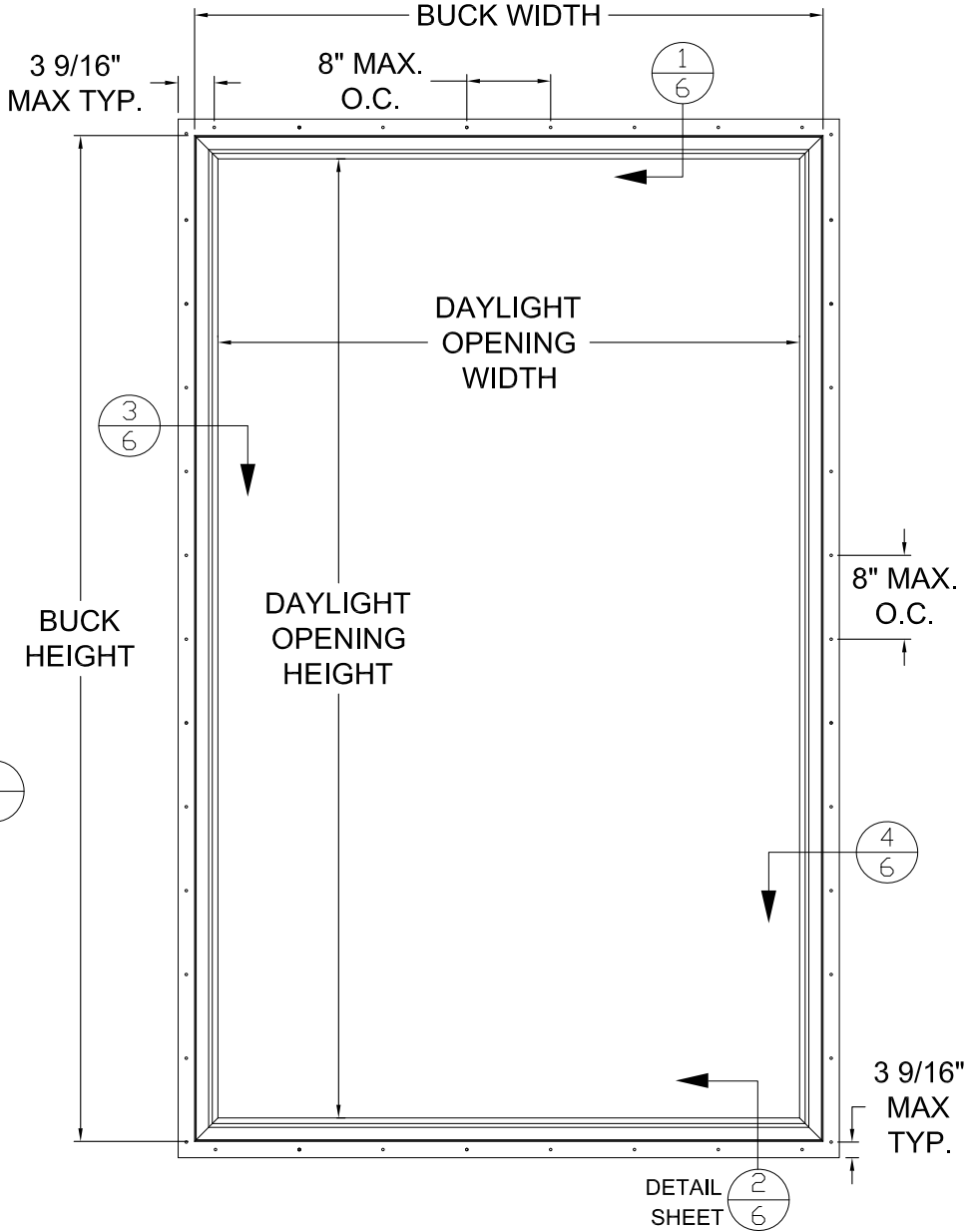
DP RATING	LARGE & SMALL MISSILE IMPACT RESISTANT
SEE TABLES A-D	



- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) MASONRY ANCHORS MAY BE USED INTO WOOD. 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.
- 4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH.
- 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.
- 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.



TYP. ANCHOR LOCATIONS
(EQUAL-LEG FRAME)
SEE TABLES A-D FOR SIZES



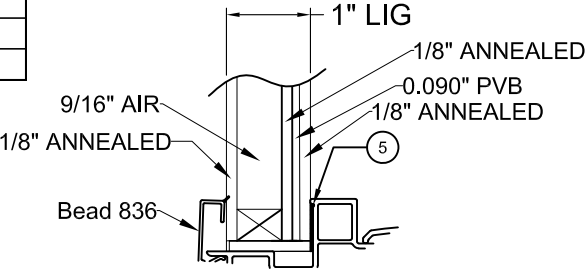
TYP. ANCHOR LOCATIONS
(INTEGRAL FIN AND FIN/FLANGE FRAME)
SEE TABLES A-D FOR SIZES

DAYLITE OPENING WIDTH = BUCK WIDTH - 4.4375
DAYLITE OPENING HEIGHT = BUCK HEIGHT - 4.4375

REGISTRATION #29296	PREPARED BY: A. LYNN MILLER, P.E. 1070 TECHNOLOGY DR N. VENICE, FL 34275 (941)-480-1600				1865 SERIES PICTURE WINDOW			
COPYRIGHT © 2022 NEWSOUTH WINDOW SOLUTIONS LIMITED LICENSE TO MAKE COPIES FOR PERMITTING					GENERAL NOTES & ANCHOR ELEVATION			
					NEWSOUTH WINDOW SOLUTIONS 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610			
					BY:			
	</							

TABLE A:

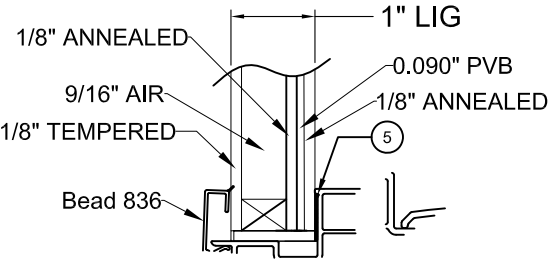
Window Design Pressure (psf)																				
Glass Type 1: 1" LIG: (1/8" A - AIRSPACE - 5/16" A/A .090" PVB)																				
		Long Side (in.)																		
		51.5	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86
Short Side (in.)	18	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
	20	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
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	34	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50			
	36	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50								
	38	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50									
	40	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50										
	42	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50												
	44	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50													
	46	+/-50	+/-50	+/-50	+/-50															
	48	+/-50	+/-50	+/-50																
	50	+/-50	+/-50																	
	51.5	+/-50																		



GLASS TYPE 1
1" LIG (1/8" A - 9/16" Air - 5/16" A/A .090 PVB)

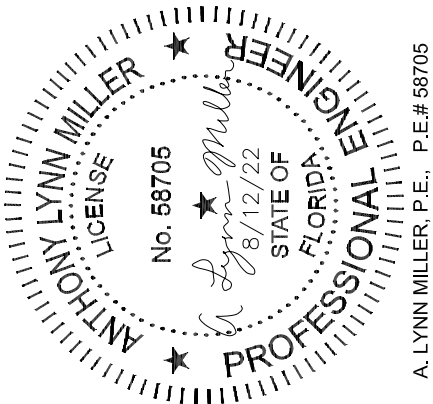
TABLE B:

Window Design Pressure (psf)																					
Glass Type 2: 1" LIG: (1/8"T - AIRSPACE - 5/16" A/A .090" PVB)																					
		Long Side (in.)																			
		57.5	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98
Short Side (in.)	20	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
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	48	+/-50	+/-50	+/-50	+/-50	+/-50															
	50	+/-50	+/-50	+/-50	+/-50																
52	+/-50	+/-50																			
54	+/-50																				
57.5	+/-50																				



GLASS TYPE 2
1" LIG (1/8" T - 9/16" Air - 5/16" A/A .090 PVB)

NOTE: 1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.



REGISTRATION #29296

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1865 SERIES PICTURE WINDOW

DP AND GLASS TYPES

NEWSOUTH WINDOW SOLUTIONS
10741 CROSSROADS COMMERCE BLVD.
TAMPA, FL 33610

BY:

REVISION:

DATE:

#:

DATE: 8/12/22

SCALE: NTS

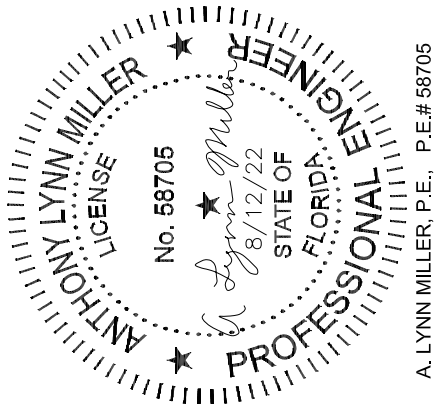
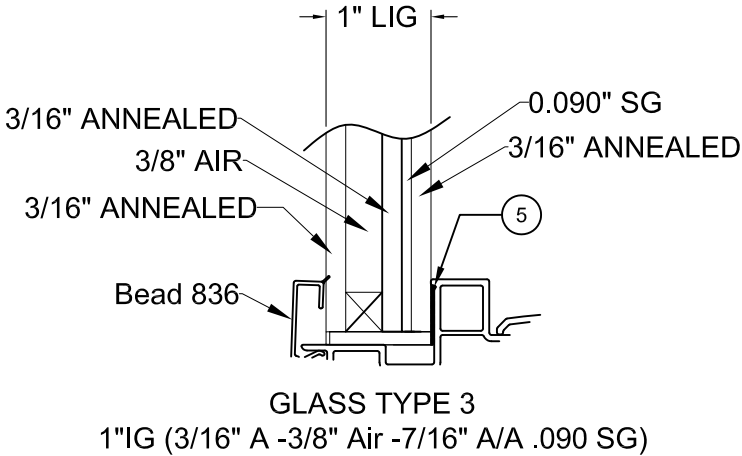
BY: S. Berkowitz

DRAWING # :
PW1865-FPA-01

SHEET: 2 OF 7

TABLE C

Window Design Pressure (psf)																
Glass Type 3: 1" LIG: (3/16" A - AIRSPACE - 7/16" A/A .090" SG)																
		Long Side (in.)														
		70.3125	72	74	76	78	80	82	84	86	88	90	92	94	96	98
	44	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
	46	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
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	54	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
	56	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50						
	58	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50							
	60	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50								
	62	+/-50	+/-50	+/-50	+/-50	+/-50										
	64	+/-50	+/-50	+/-50	+/-50											
	66	+/-50	+/-50	+/-50												
	68	+/-50	+/-50													
70.3125		+/-50														



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1865 SERIES PICTURE WINDOW

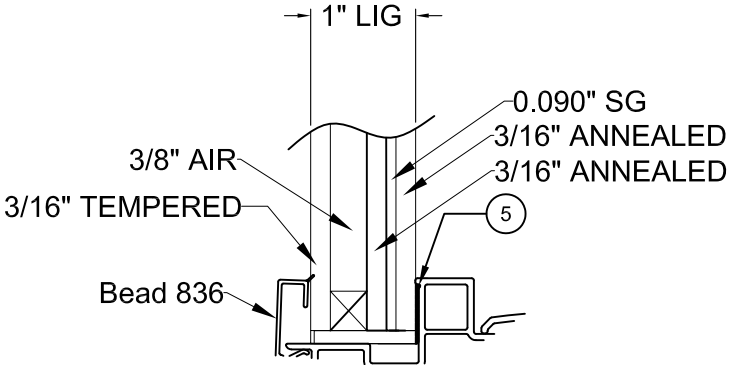
DP AND GLASS TYPES

NEWSOUTH WINDOW SOLUTIONS
10741 CROSSROADS COMMERCE BLVD.
TAMPA, FL 33610

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DATE: 8/12/22				
SCALE: NTS				
BY: S. Berkowitz				
DRAWING # : PW1865-FPA-01				
SHEET: 3 OF 7				

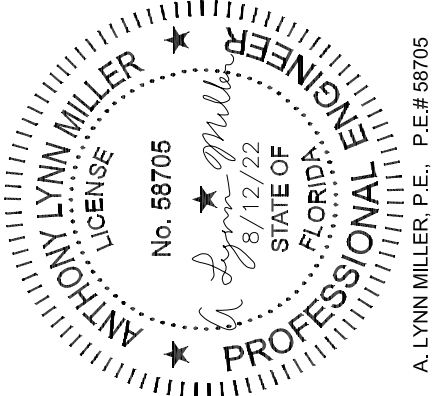
TABLE D

Window Design Pressure (psf)																								
		Glass Type 4: 1" LIG (3/16"T - AIRSPACE - 7/16" A/A .090" SG)																						
		Long Side (in.)																						
		75.875	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
Short Side (in.)	44	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
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	74	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50
	75.875	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50



GLASS TYPE 4
1"IG (3/16" T -3/8" Air -7/16" A/A .090 SG)

NOTE: 1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.



PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DR
N. VENICE, FL 34275
(941)-480-1600

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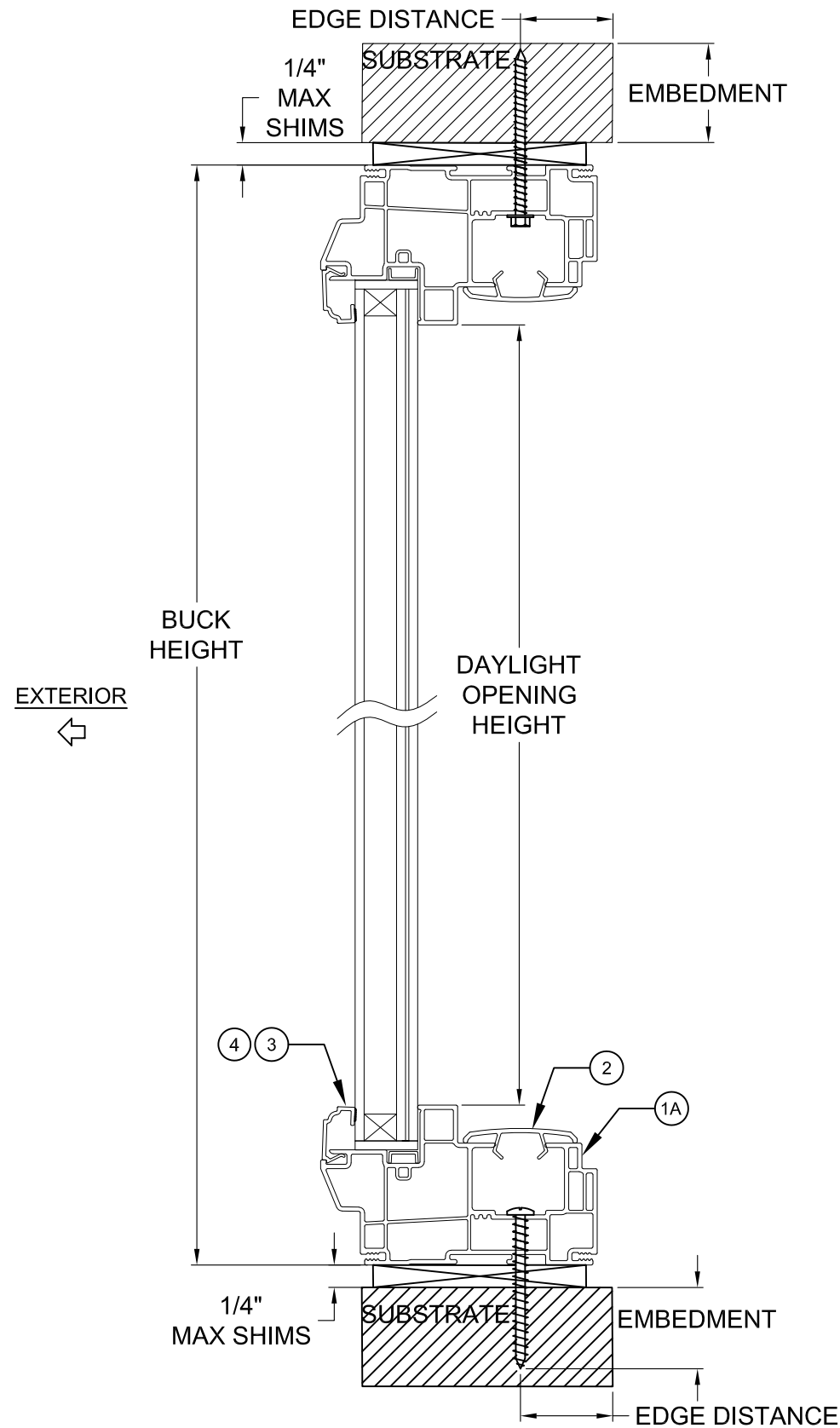
1865 SERIES PICTURE WINDOW

DP AND GLASS TYPES

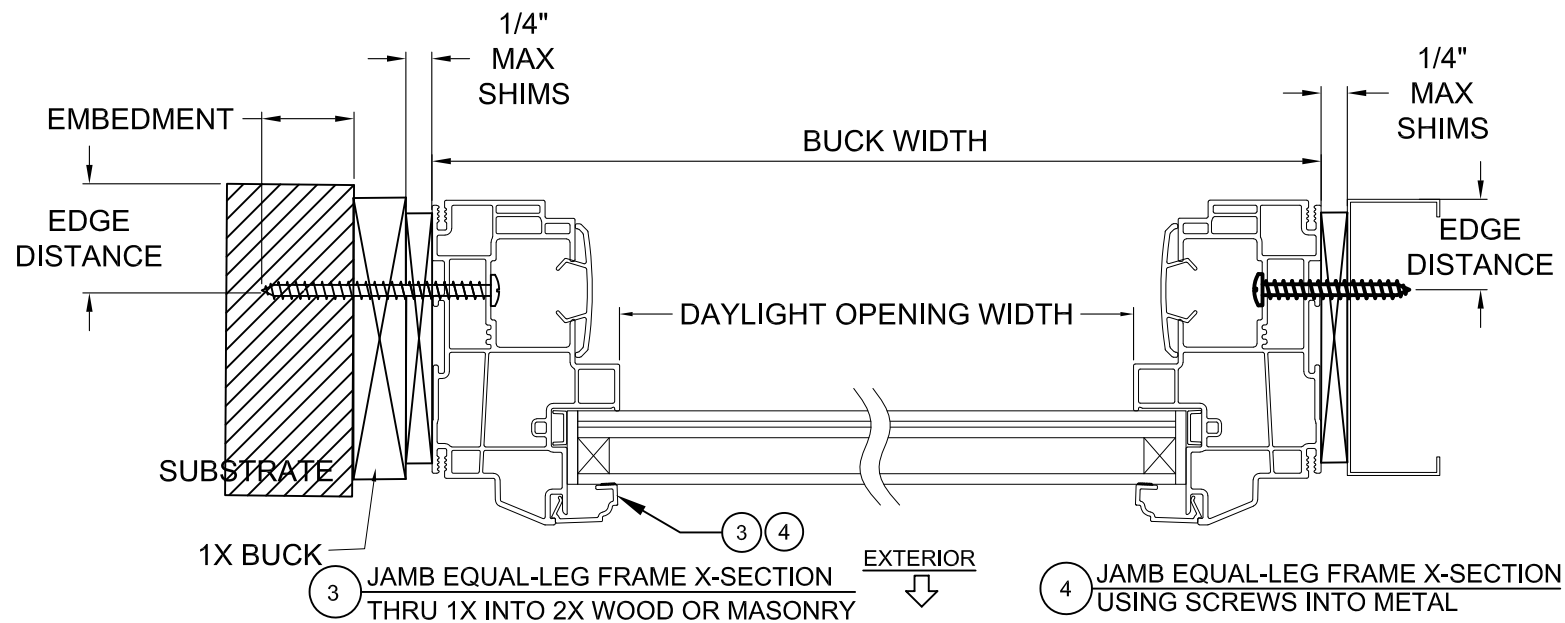
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TAMPA, FL 33610

BY:				
REVISION:				
DATE:				
#:				
DATE: 8/12/22				
SCALE: NTS				
BY: S. Berkowitz				
DRAWING # : PW1865-FPA-01				
SHEET: 4 OF 7				

1 HEAD EQUAL-LEG FRAME X-SECTION INTO 2X WOOD OR MASONRY



2 SILL EQUAL-LEG FRAME X-SECTION INTO 2X WOOD OR MASONRY



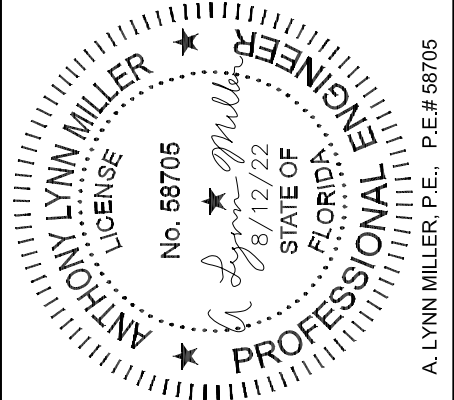
4 JAMB EQUAL-LEG FRAME X-SECTION USING SCREWS INTO METAL

TABLE 1: INSTALLATION ANCHORS

Anchor	Substrate	Min. Edge Distance	Min. O.C. Distance	Min. Embedment
#10 Steel SMS	S. Pine	1/2"	0.756	1-3/8"
	6063-T5	5/16"	0.473	0.045 (18 ga)
	A36 Steel	5/16"	0.567	0.035 (20 ga)
	A653 Stud, Gr. 33	5/16"	0.567	0.035 (20 ga)
#10 410 SS SMS	S. Pine	1/2"	0.756	1-3/8"
	6063-T5	5/16"	0.473	0.045 (18 ga)
	A36 Steel	5/16"	0.567	0.035 (20 ga)
	A653 stud, Gr. 33	5/16"	0.567	0.035 (20 ga)
3/16" Steel Ultracon+	Concrete (2.9 ksi)	1"	3.375	1-3/4"
	UngROUTED CMU, (ASTM C-90)	1"	3	1-1/4"
	Southern Pine (SG = .55)	1/2"	0.75	1-3/8"
1/4" Steel Ultracon+	Concrete (2.9 ksi)	1"	4	1-3/8"
	UngROUTED CMU, (ASTM C-90)	1"	3	1-1/4"
	Southern Pine (SG = .55)	1"	1	1-3/8"

INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
- 2) ANY INSTALLATION OPTION SHOWN (2X BUCK OR WOOD FRAMING, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW.
- 3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4". ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY OR ALL SIDES OF THE WINDOW.



REGISTRATION #29296

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1865 SERIES PICTURE WINDOW

EQUAL LEG INSTALLATION SECTION VIEWS

NEWSOUTH WINDOW SOLUTIONS
10741 CROSSROADS COMMERCE BLVD.
TAMPA, FL 33610

BY:

REVISION:

DATE:

#:

DATE: 8/12/22

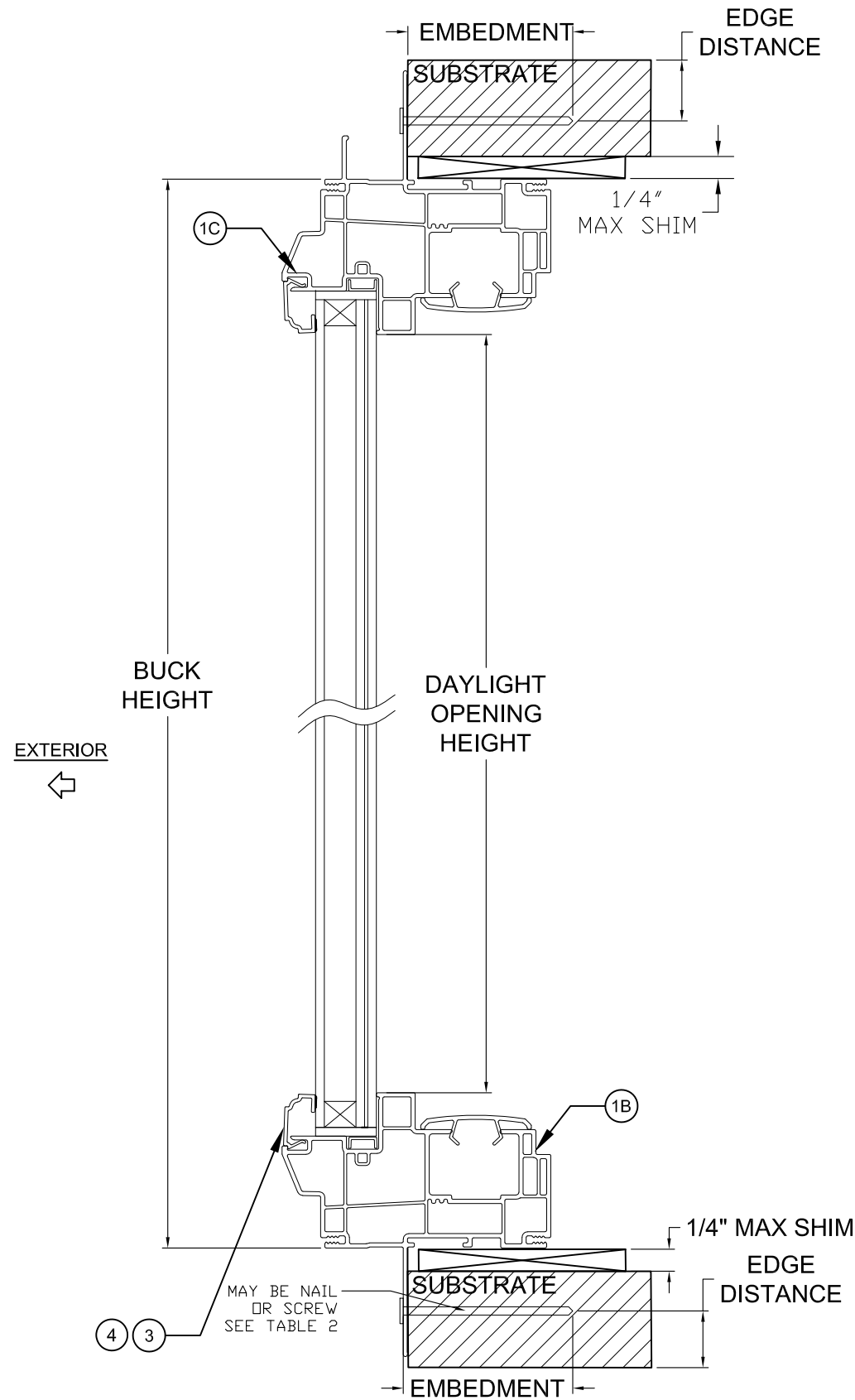
SCALE: NTS

BY: S. Berkowitz

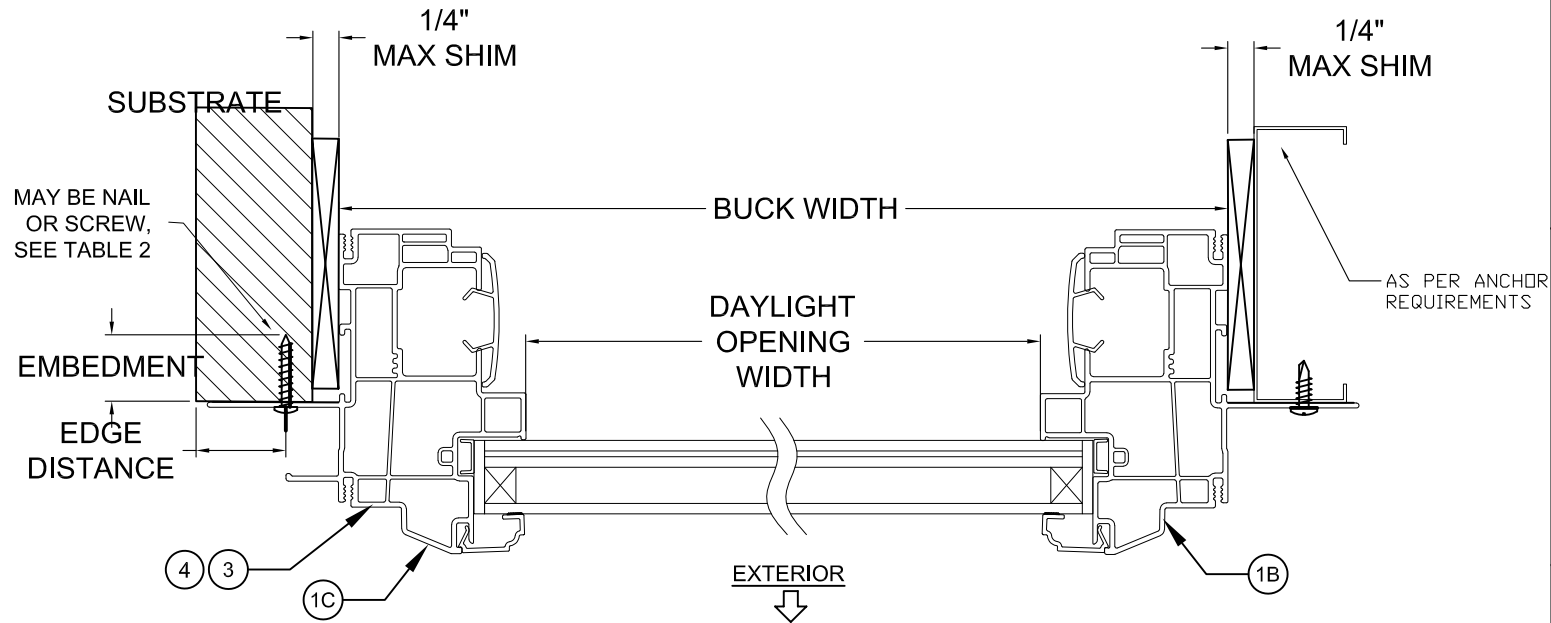
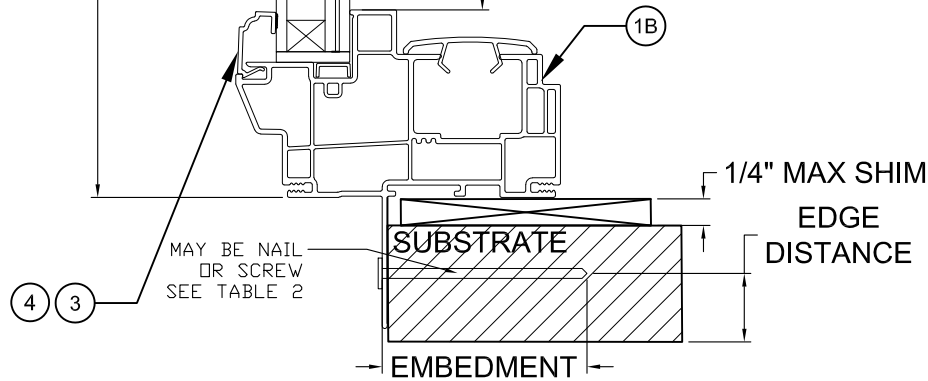
DRAWING # :
PW1865-FPA-01

SHEET: 5 OF 7

1 HEAD INTEGRAL FIN OR FIN/FLANGE FRAME X-SECTION
USING NAILS INTO 2X WOOD



2 SILL INTEGRAL FIN OR FIN/FLANGE FRAME X-SECTION
USING NAILS INTO 2X WOOD



3 JAMB INTEGRAL FIN OR FIN/FLANGE X-SECTION
THRU 1X INTO 2X WOOD OR MASONRY

4 JAMB INTEGRAL FIN OR FIN/FLANGE X-SECTION
USING SCREW INTO METAL

TABLE 2: INSTALLATION ANCHORS

Anchor	Substrate	Min. Edge Distance	Min. O.C. Distance	Min. Embedment
2-1/2" x .113" Box Nail	P.T. Southern Pine (SG = .55)	5/16"	0.452	2-7/16"
2-1/2" x .131" Common Nail	P.T. Southern Pine (SG = .55)	5/16"	0.524	2-7/16"
2-1/2" x .145" Roofing Nail	P.T. Southern Pine (SG = .55)	3/8"	0.58	2-7/16"
#10 Steel SMS	P.T. Southern Pine (SG = .55)	1/2"	0.756	1-7/16"
	6063-T5	3/8"	0.473	0.057 (16 ga)
	A36 Steel	5/16"	0.567	0.035 (20 ga)
	Steel Stud Gr. 33	5/16"	0.567	0.035 (20 ga)

1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.

2) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

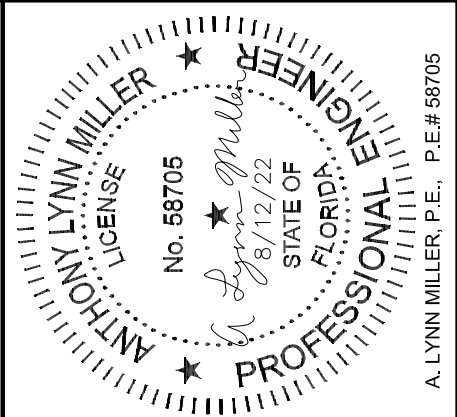
INSTALLATION NOTES:

1) SEE SHEET 1 FOR SPACING REQUIREMENTS.

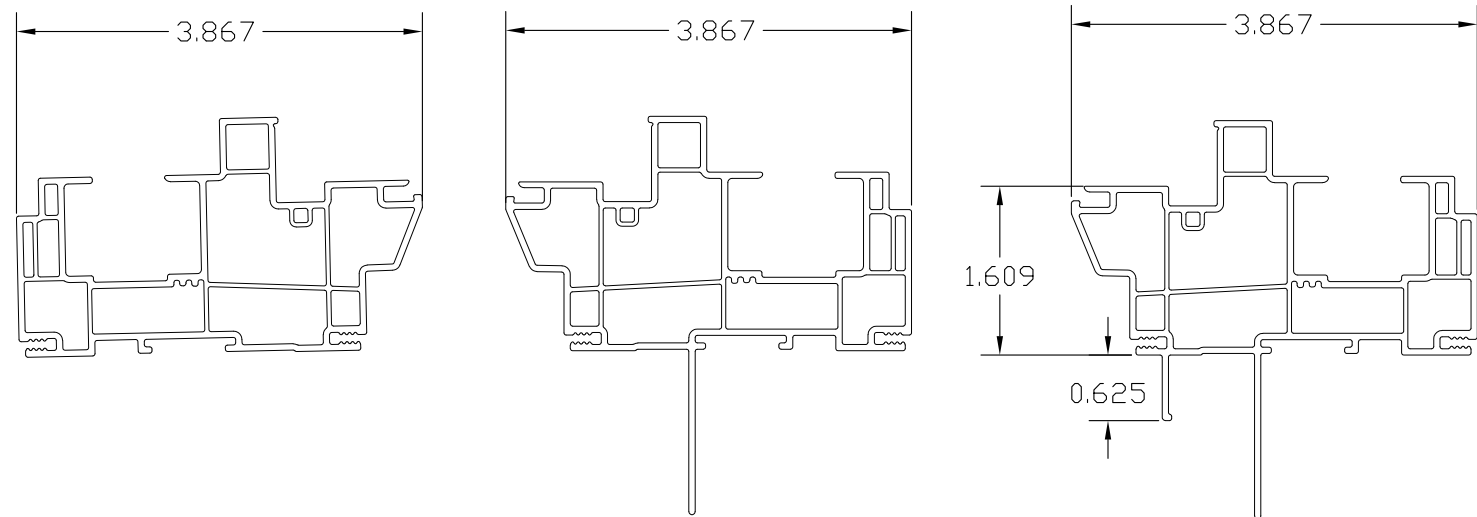
2) FLANGE AND/OR FIN MAY BE REMOVED TO CREATE OTHER APPROVED FRAME TYPES.

3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY OR ALL SIDES OF THE WINDOW.

4) MAX. SHIM THICKNESS TO BE 1/4". MAX. SHIM SPACING TO BE 18".



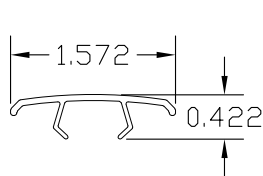
REGISTRATION #29296	1865 SERIES PICTURE WINDOW
COPYRIGHT © 2022 NEWSOUTH WINDOW SOLUTIONS LIMITED LICENSE TO MAKE COPIES FOR PERMITTING	FIN OR FIN/FLANGE INSTALLATION SECTION VIEWS
PREPARED BY: A. LYNN MILLER, P.E. 1070 TECHNOLOGY DR N. VENICE, FL 34275 (941)-480-1600	NEWSOUTH WINDOW SOLUTIONS 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610
BY:	REVISION:
DATE:	DATE: 8/12/22
#:	SCALE: NTS
	BY: S. Berkowitz
	DRAWING # : PW1865-FPA-01
	SHEET: 6 OF 7



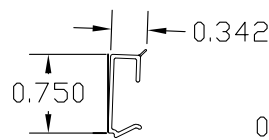
1A 1833A
Master Frame
Equal-Leg

1B 1853J
Master Frame
Integral Fin

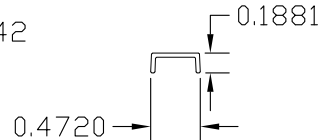
1C 1853A
Master Frame
Fin/Flange



2 1863
Cover



3 836
Glazing Bead
(1" Glass)

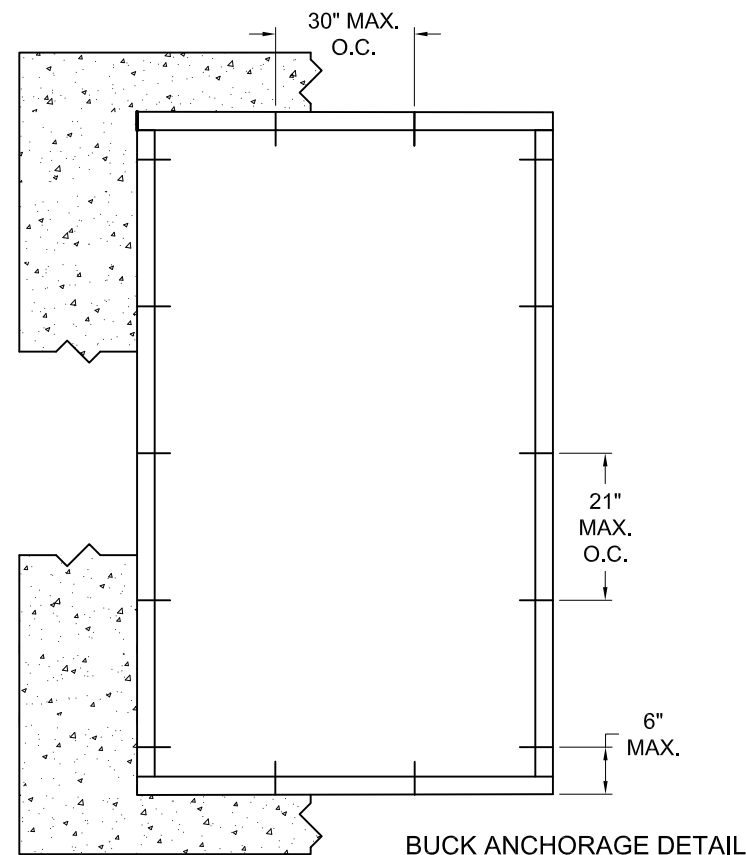


4 440
Glazing Block
Filler

TABLE 3: BILL OF MATERIALS

Item	Description	Part #	Material
1A	Master Frame Equal Leg	1833A	Rigid PVC
1B	Master Frame Fin	1853J	Rigid PVC
1C	Master Frame Fin-Flange	1853A	Rigid PVC
2	Cover	1863	Rigid PVC
3	Glazing Bead 1" Glass	836	Rigid PVC
4	Glazing Block Filler	440	Rigid PVC
5	Glazing compound: RGS 7700, Dow 791, 983	-	

THE APPROVED, RIGID PVC EXTERIOR EXTRUSIONS ARE TO BE PRODUCED BY EXTRUDERS' LICENSEES UNDER "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



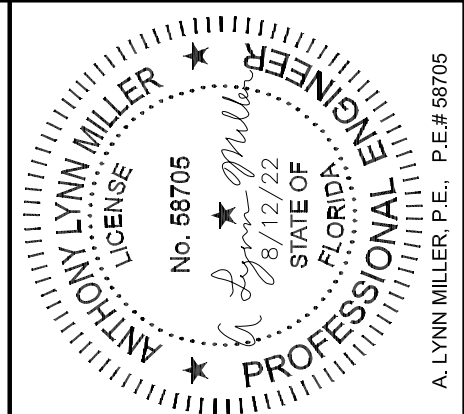
BUCK ANCHORAGE DETAIL

TABLE 4

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
1/4" Steel Ultracon+	Concrete (min. 3.0 ksi)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"

1) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

2) ALL ANCHOR HEAD TYPES ARE APPLICABLE.



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(941)-480-1600

1865 SERIES PICTURE WINDOW
BILL OF MATERIALS, EXTRUSIONS, &
BUCK INSTALLATION DETAILS
NEWSOUTH WINDOW SOLUTIONS
10741 CROSSROADS COMMERCE BLVD.
TAMPA, FL 33610

BY:				
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SHEET: 7 OF 7				