



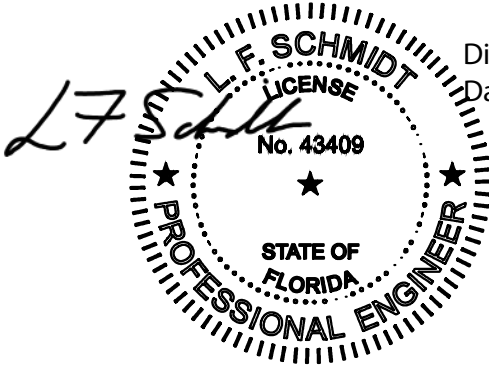
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

Smooth / Wood Grain / White Wood Grain
Rustic / Mahogany
Series N Fiberglass Door
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

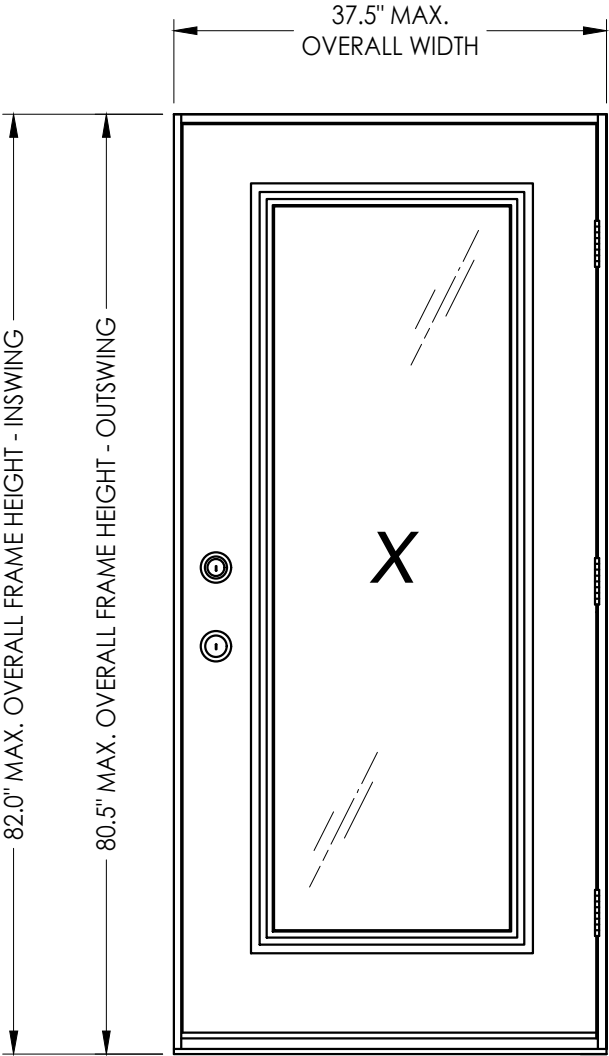
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring - 2X buck masonry construction
6	Frame anchoring - 1X buck masonry construction
7	Bill of Materials, glazing detail & components



Digitally signed by Lyndon F Schmidt
Date: 2023.08.24 10:29:38 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



SWING	MAX. FRAME DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
INSWING	37.5" x 82.0"	G1	+47.0	-50.0
OUTSWING	37.5" x 80.5"		+50.0	-50.0

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

48/24/23UPDATE TO 8TH ED. (2023) FBC

37/27/20UPDATE TO 7TH ED. (2020) FBC

210/19/17UPDATE TO 6TH ED. (2017) FBC

104/22/15UPDATE TO 5TH ED. (2014) FBC

NO. DATE

REVISIONS

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

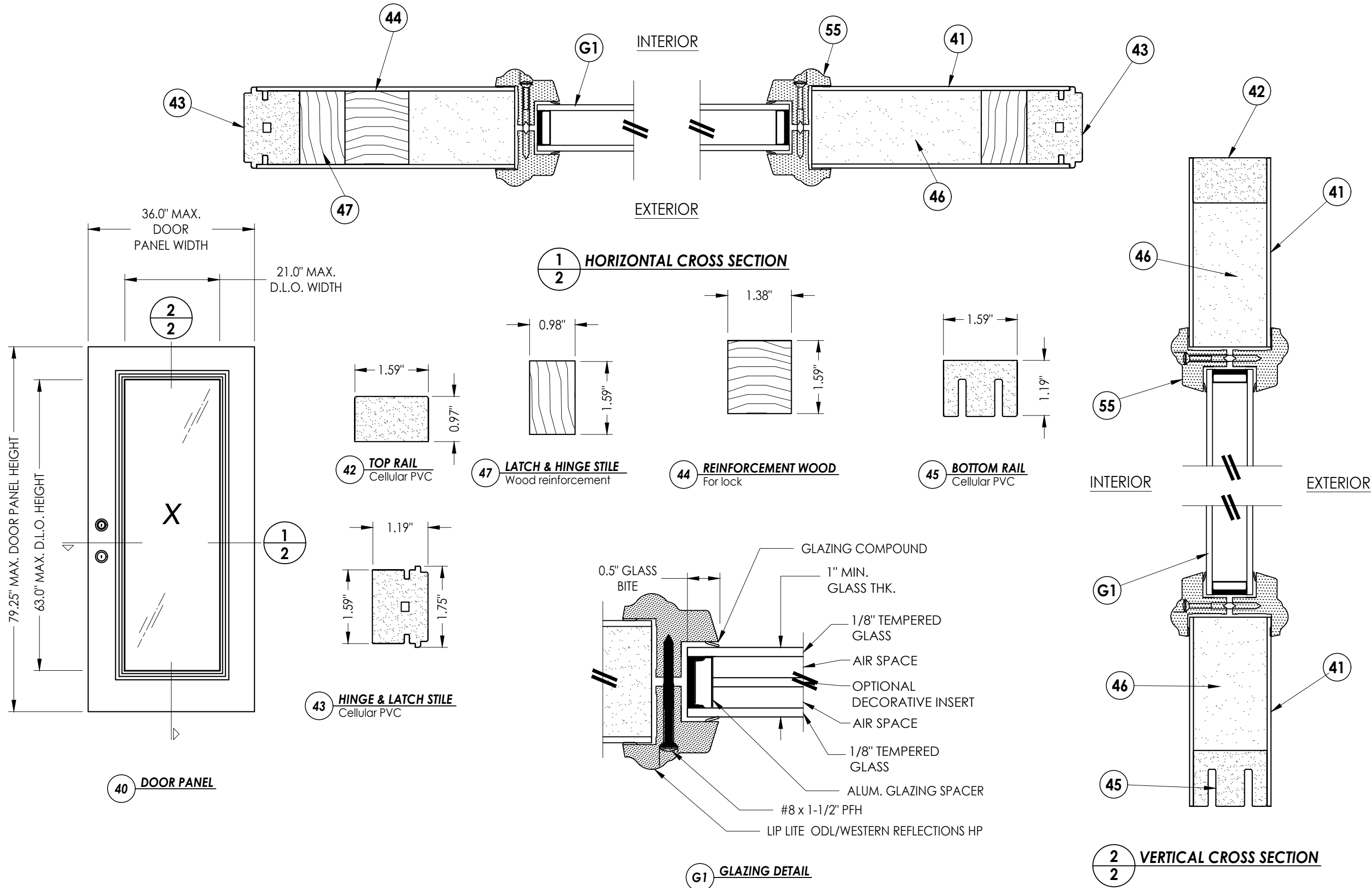
CHK. BY: LFS

DRAWING NO.: FL-15213.14

SHEET 1 OF 7

Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

© 2012 R.W. BUILDING CONSULTANTS INC.



1 **HORIZONTAL CROSS SECTION**

2 VERTICAL CROSS SECTION

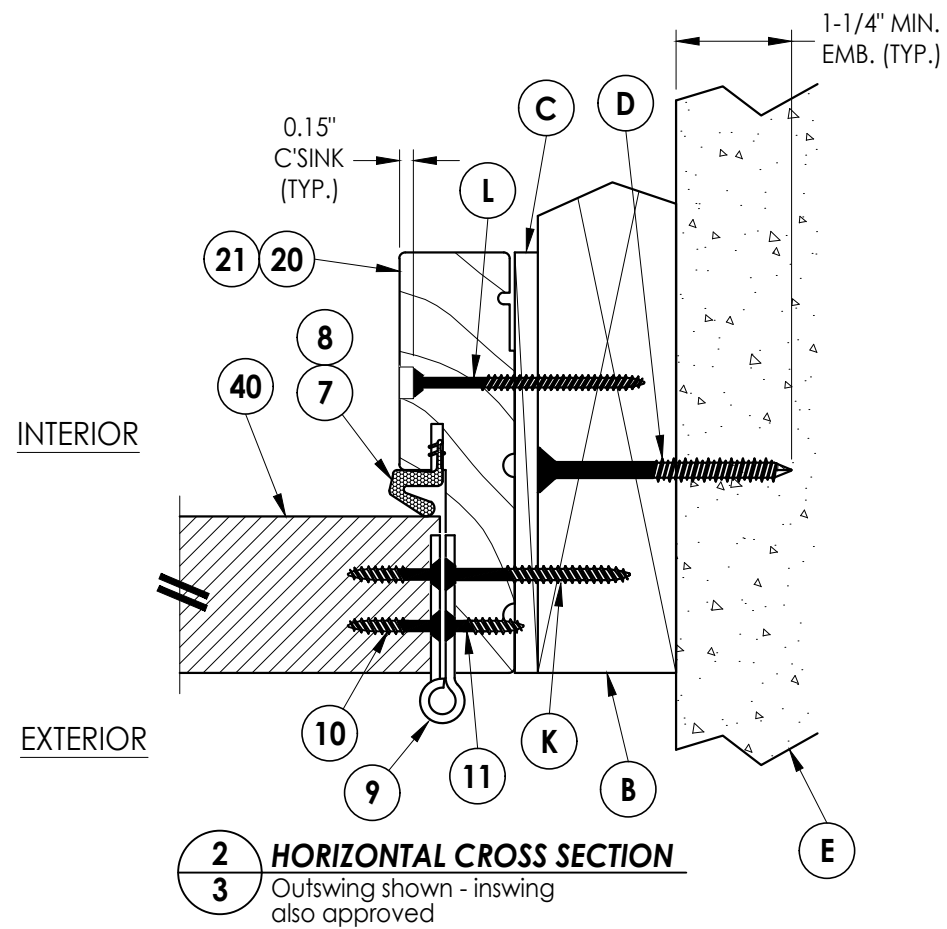
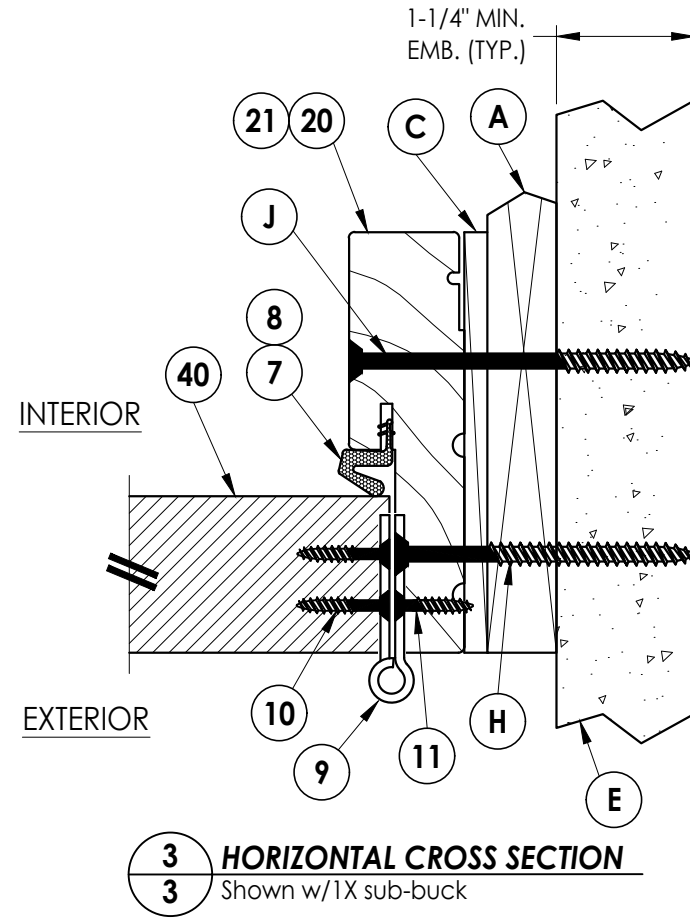
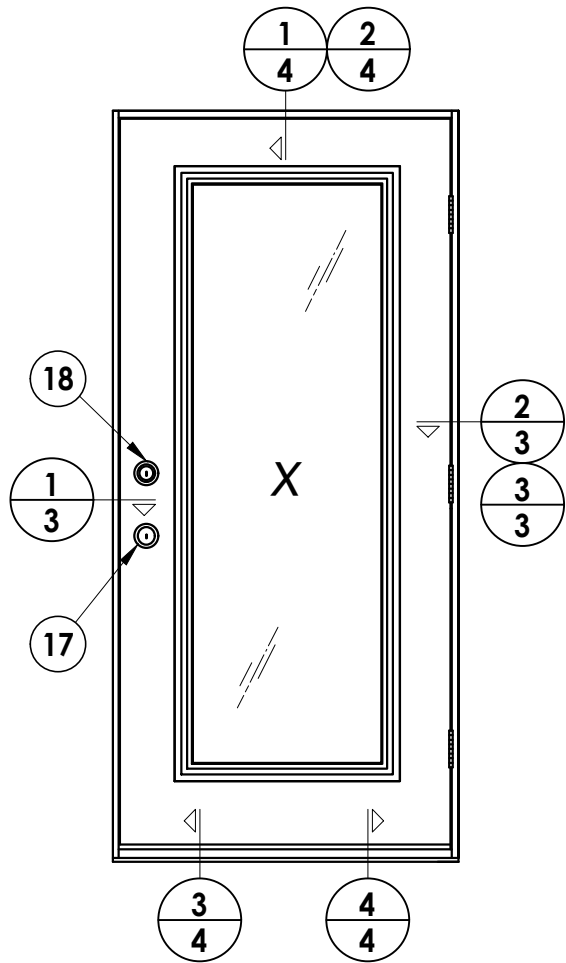
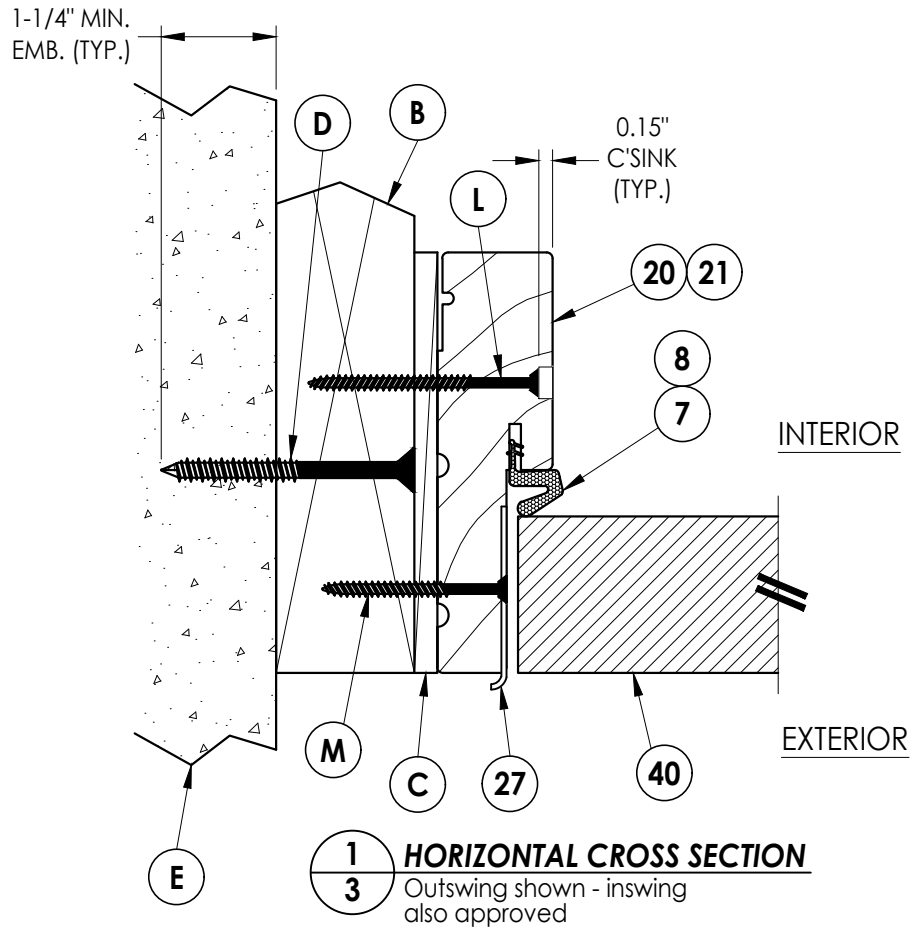
4	8/24/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	7/27/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
2	10/19/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
NO.	DATE			BY	

DATE:	02/16/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15213.14
SHEET	2 OF 7

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

R^{qW} BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

Z:\2023 FBC Drawings\Plastpro\FL-15213 R6\FL-15213.12-18.dwg

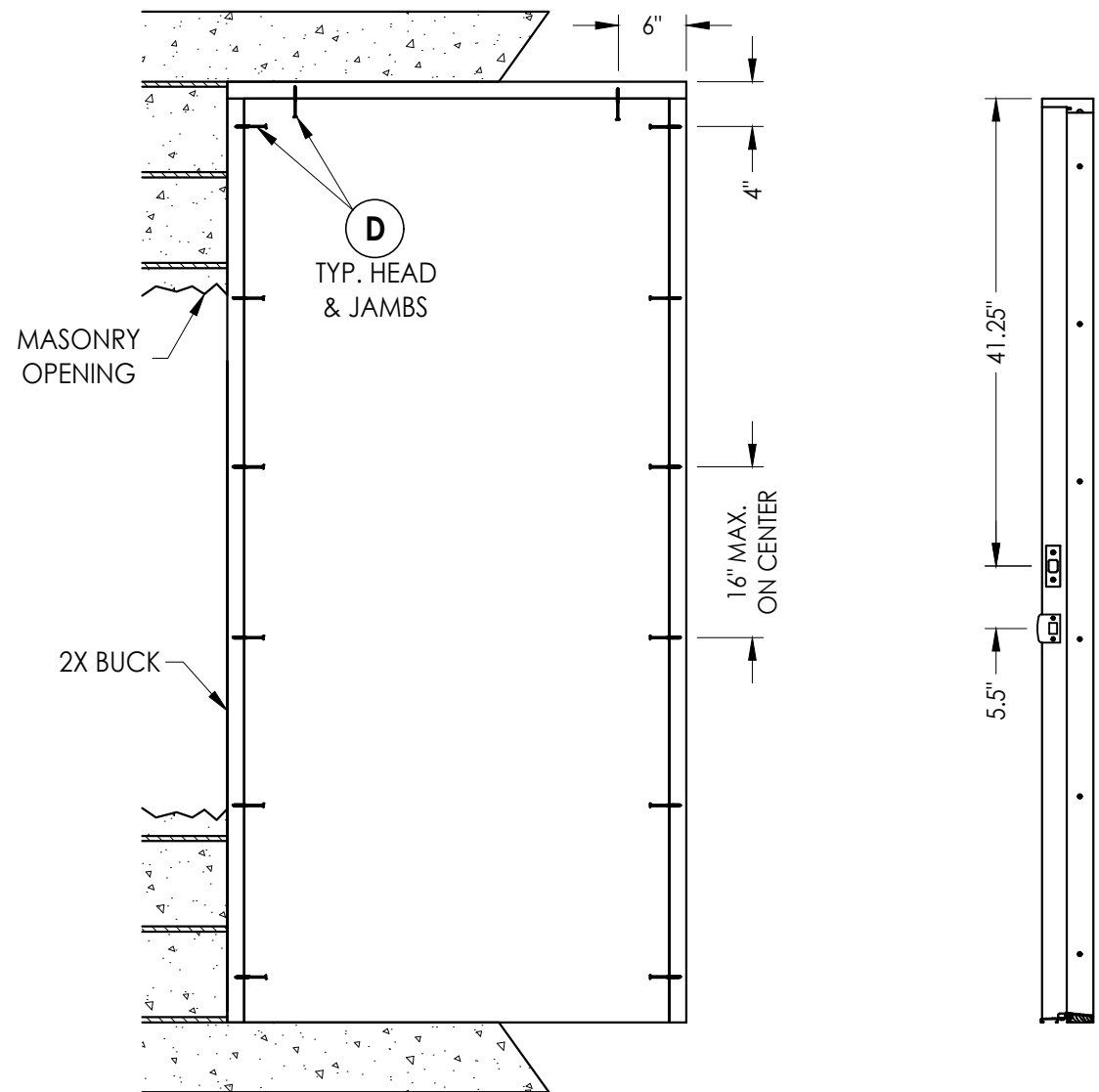


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

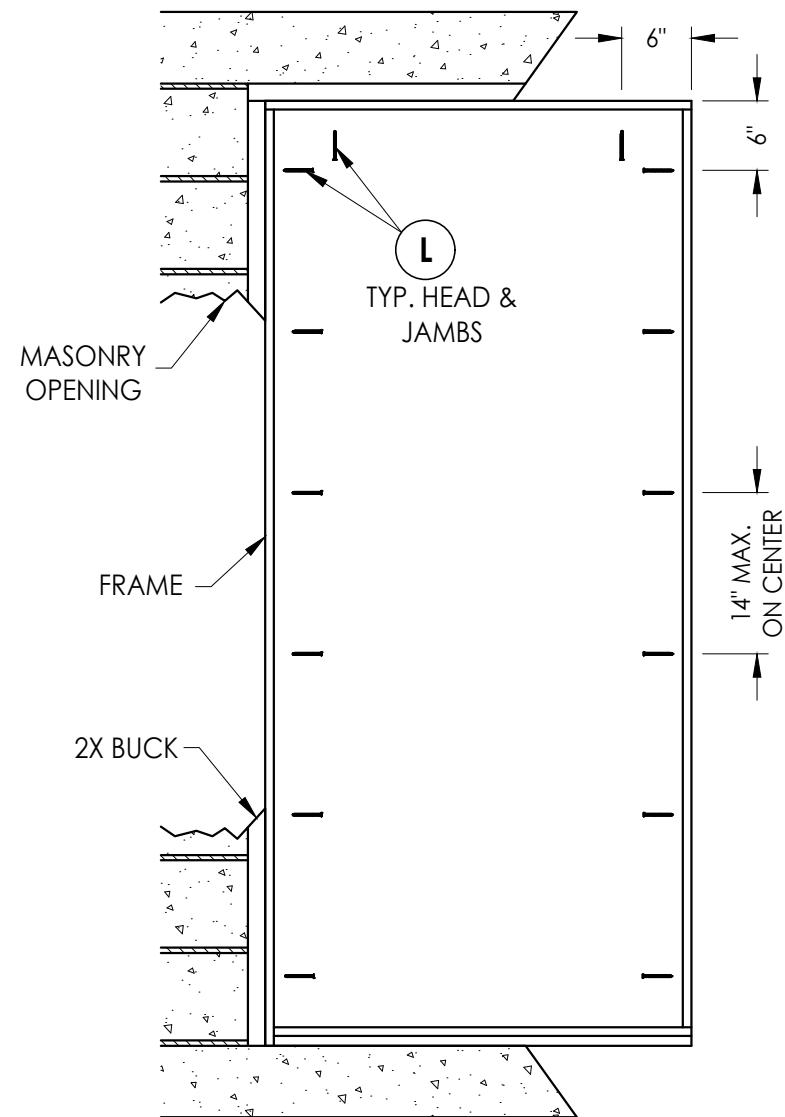
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR
PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

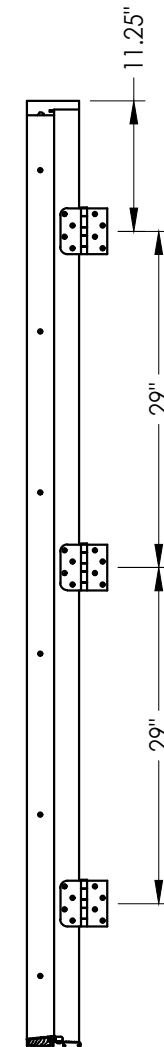
		REVISIONS				
		NO.	DATE	BY		
	4	8/24/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
	3	7/27/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
	2	10/19/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
	1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
DATE: 02/16/12						
SCALE: N.T.S.						
DWG. BY: JK						
CHK. BY: LFS						
DRAWING NO.: FL-15213.14						
SHEET 3 OF 7						



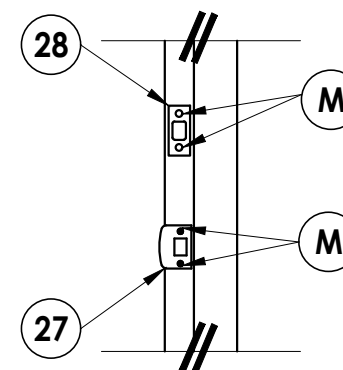
BUCK ANCHORING



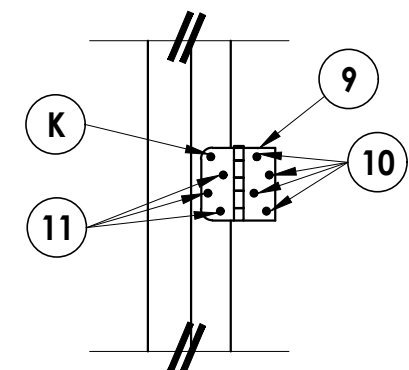
FRAME ANCHORING
Masonry 2X buck construction



HINGE JAMB



LATCH & DEADBOLT DETAIL



HINGE DETAIL

CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

[illegible]

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15213.14

SHEET 5 OF 7

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

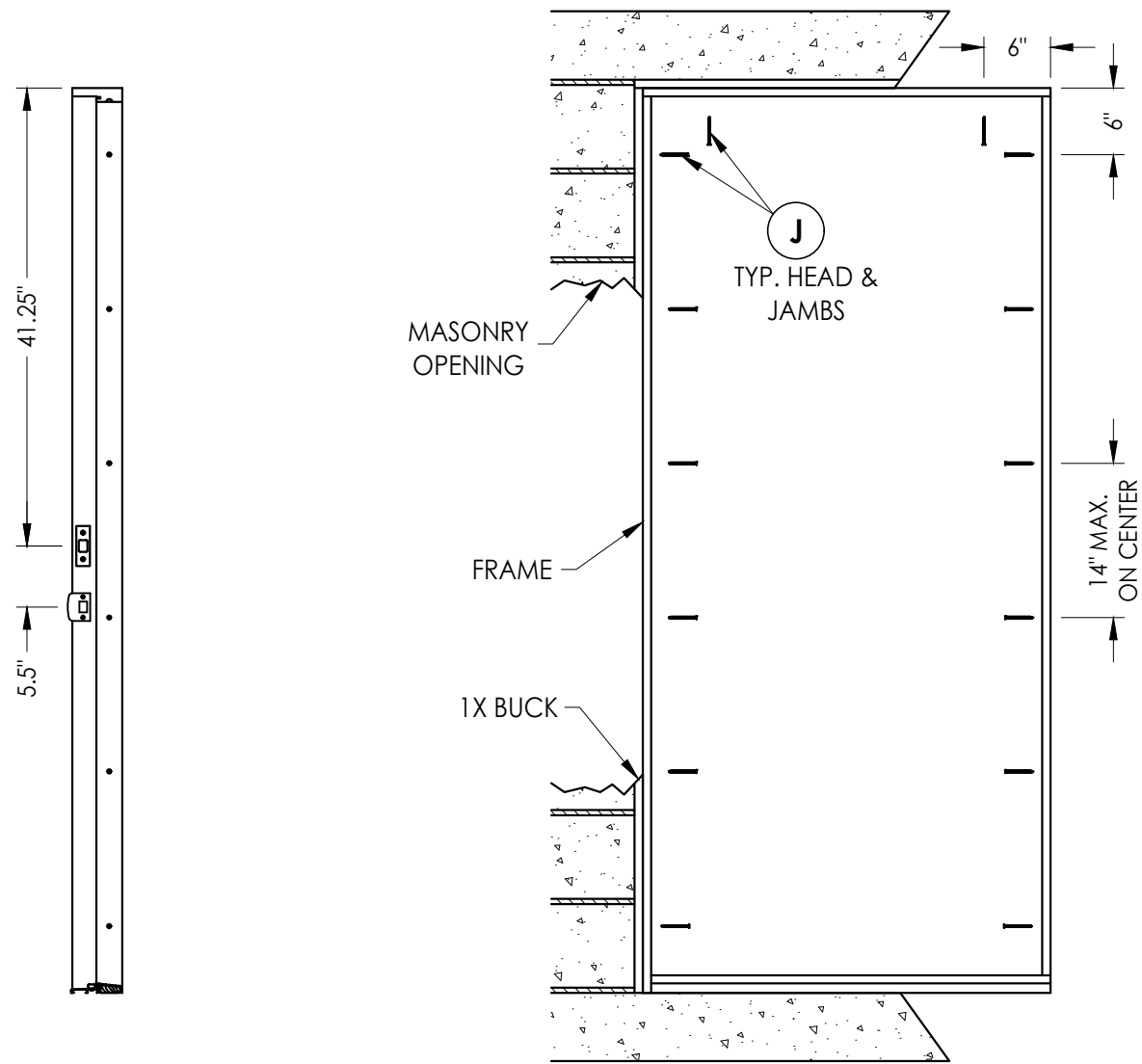
R^{gW} BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33487
Phone No.: 813.659.9197
FBPE Registry No. 9813

FIBERGLASS DOOR

PART OR ASSEMBLY:

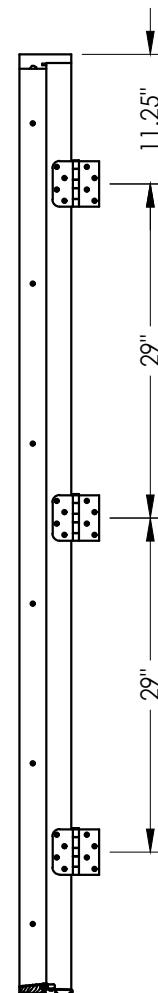
**BUCK AND FRAME ANCHORING 2X
BUCK MASONRY CONSTRUCTION**

REVISIONS

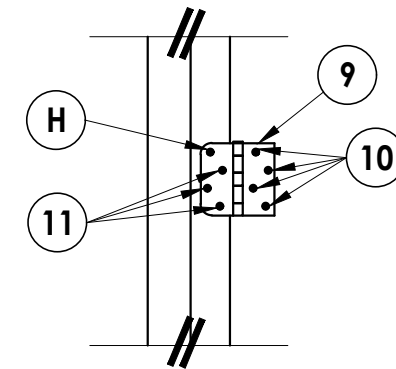


STRIKE JAMB

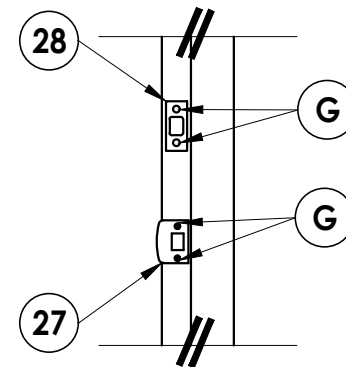
FRAME ANCHORING
Masonry 1X buck construction



HINGE JAMB



HINGE DETAIL



LATCH & DEADBOLT DETAIL

CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

4	8/24/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	7/27/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	10/19/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			BY

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15213.14

SHEET 6 OF 7

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

© 2012 R.W. BUILDING CONSULTANTS INC.



MODEL 9600 FIXED WINDOW,
NON-IMPACT RESISTANT,
FLANGE, EQUAL-LEG, & FIN FRAMES

DP RATING	NOT RATED FOR IMPACT RESISTANCE
SEE TABLES A-E	



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

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

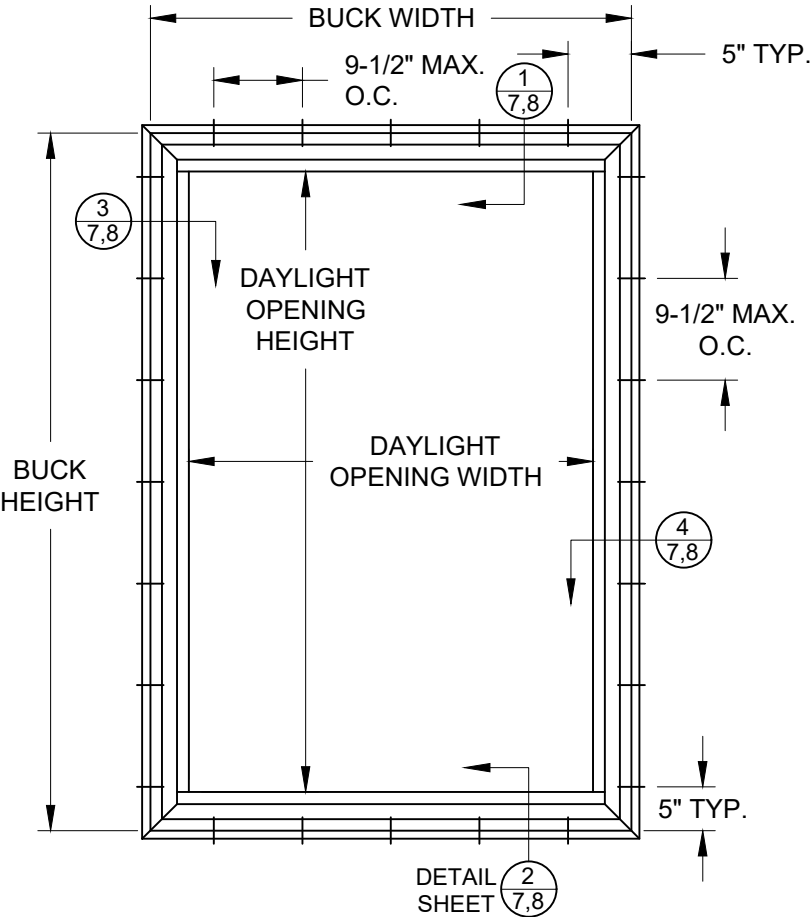
2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

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.

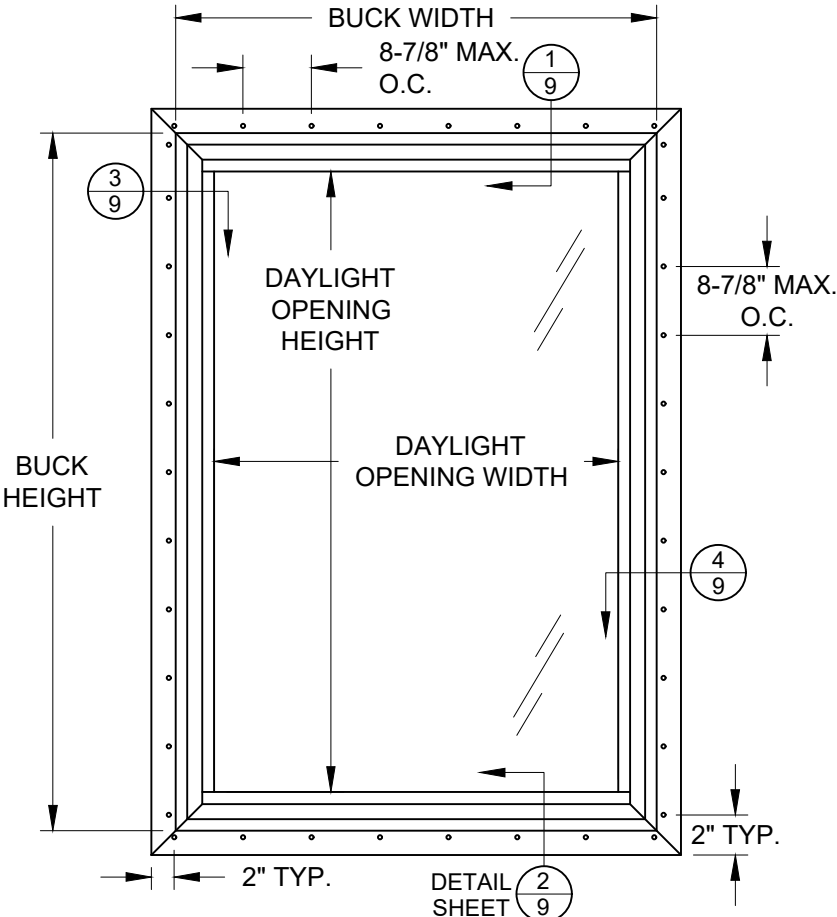
4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH.

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.

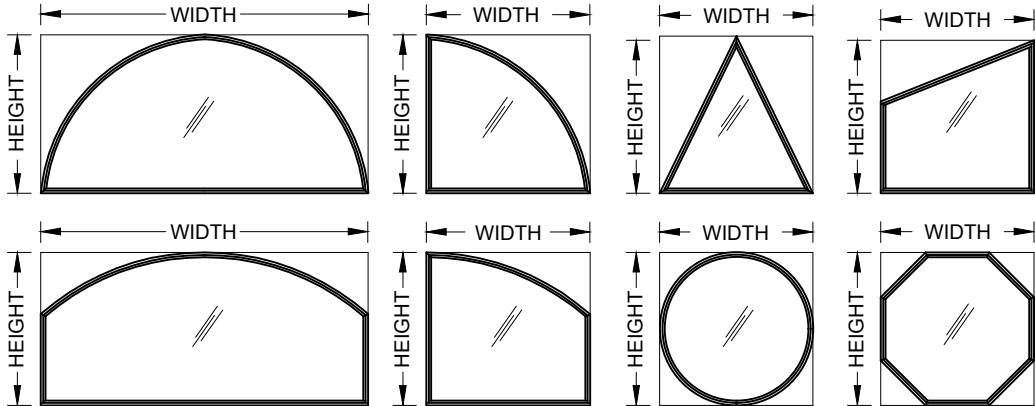


TYP. ANCHOR LOCATIONS
(FLANGED FRAME, EQUAL-LEG SIM.)
SEE TABLES A-E FOR SIZES



TYP. ANCHOR LOCATIONS
(INTEGRAL FIN FRAME)
SEE TABLES A-E FOR SIZES

SHAPES AS SHOW BELOW, OR SIMILAR MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK AND OBTAINING DESIGN PRESSURES FOR THAT BLOCK SIZE FROM THE TABLES ON SHEETS 2-7.



DAYLIGHT OPENING WIDTH = BUCK WIDTH - 4.25
DAYLIGHT OPENING HEIGHT = BUCK HEIGHT - 4.25

REGISTRATION #29296

COPYRIGHT © 2022
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

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

FIXED WINDOW FPA, NI

GENERAL NOTES AND ANCHOR ELEVATIONS

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

BY:

SB

SB

REVISION:

REVISE SILICONE & ANCHOR
OPTIONS, AND DP TABLES

ADD SHAPES, ADD SILICON 995

DATE:

11/28/22

08/16/23

#:

B

C

DATE: 11/28/22

SCALE: NTS

BY: S. BERKOWITZ

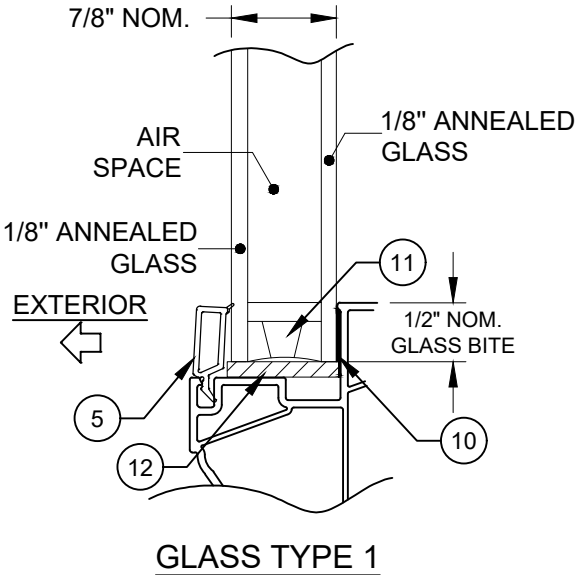
DRAWING #:

PW9600-FPA-01

SHEET: 1 OF 10

TABLE A:

Window Design Pressure (+/- psf)																				
Glass Type 1: 7/8" IG (1/8" A - AIRSPACE - 1/8" A)																				
Window Dimensions		Long Side (in.)																		
		48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84
Short Side (in.)	18	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3	98.4	97.7	97.2	96.6	96.2
	20	96.9	94.0	91.6	89.6	87.5	85.8	84.5	83.1	81.8	80.7	79.6	78.7	77.9	77.1	76.5	76.0	75.5	75.0	74.6
	22	87.8	83.8	80.2	77.0	74.8	72.9	71.2	69.8	68.4	67.2	66.0	65.0	64.1	63.2	62.4	61.7	61.0	60.4	59.8
	24	84.5	79.2	74.9	72.0	69.1	66.6	64.1	61.8	59.7	57.8	56.4	55.3	54.1	53.2	52.2	51.5	50.8	50.1	49.4
	26	83.7	78.6	74.0	70.7	67.4	64.1	60.7	57.5	55.2	53.4	51.6	50.1	48.5	47.2	46.2	45.3	44.4	43.7	43.1
	28	83.5	78.4	74.0	70.8	67.5	63.9	60.4	56.7	54.3	52.0	49.9	47.6	45.9	44.6	43.3	42.0	40.8	39.8	38.6
	30	82.3	78.2	74.1	70.8	67.7	64.5	61.0	57.3	54.6	52.3	49.9	47.3	45.6	44.1	42.4	40.7	39.2	37.7	
	32	80.6	76.4	73.3	70.4	67.3	64.2	61.4	58.1	55.2	52.8	50.5	48.1	46.0	44.3	42.7				
	34	77.8	74.4	71.5	68.8	66.3	63.6	60.6	57.7	55.4	53.3	51.0	48.6	46.6						
	36	74.3	71.8	69.5	66.8	64.1	61.8	59.5	56.8	54.7	52.7	51.1								
	38	71.6	68.9	66.5	64.2	61.9	59.4	57.1	55.3	53.6										
	40	68.6	66.2	63.7	61.2	59.0	56.8	55.0												
	42	65.6	63.2	60.8	58.3	56.0	54.3													
	44	62.6	60.1	57.6	55.6															
	46	59.9	57.2	55.0																
	48	57.2	54.9																	



NOTES: 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

REGISTRATION #29296
COPYRIGHT © 2022
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

BY: SB

REVISION: REVISE SILICONE & ANCHOR
OPTIONS, AND DP TABLES

DATE: 11/28/22

#: B

SB

ADD SHAPES, ADD SILICON 995

08/16/23

C

FIXED WINDOW FPA, NI

DP TABLES & GLASS TYPES

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

DATE: 11/28/22

SCALE: NTS

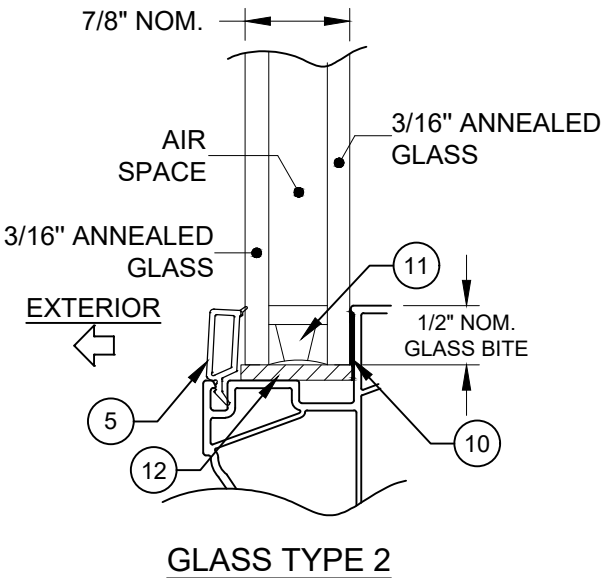
BY: S. BERKOWITZ

DRAWING #: PW9600-FPA-01

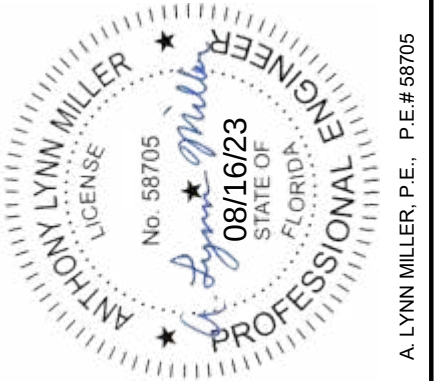
SHEET: 2 OF 10

TABLE B:

Window Design Pressure (+/- psf)																										
Glass Type 2: 7/8" IG (3/16"A - AIRSPACE - 3/16"A)																										
Window Dimensions		Long Side (in.)																								
		72	74	76	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.)	42	70.5	68.1	65.7	63.3	60.8	58.3	56.0	54.4	52.7	51.0	49.4	47.8	46.4	45.2	44.0	43.0	42.0	41.0	39.9	38.7	37.9	37.3	36.7	36.3	35.7
	44	69.8	67.8	65.6	63.3	60.8	58.3	56.0	54.4	52.8	51.1	49.4	47.6	46.2	45.1	43.9	42.8	41.4	40.2	39.1	38.0	37.2	36.5	35.8		
	46	69.3	67.1	65.1	63.1	60.8	58.3	56.1	54.4	52.8	51.3	49.5	47.9	46.4	45.2	43.9	42.8	41.6	40.3	39.0	37.7	37.0				
	48	68.6	66.4	64.3	62.3	60.3	58.4	56.1	54.4	52.8	51.3	49.7	48.1	46.5	45.3	44.2	42.9	41.7	40.5	39.2						
	50	67.5	65.7	63.5	61.4	59.4	57.5	55.9	54.4	52.8	51.2	49.7	48.1	46.7	45.5	44.4	43.2									
	52	65.9	64.2	62.6	60.5	58.5	56.5	55.1	53.9	52.6	51.2	49.5	48.0	46.6	45.5											
	54	64.3	62.5	60.9	59.3	57.6	55.7	54.3	53.0	51.8	50.6	49.4	47.9	46.5												
	56	62.7	60.9	59.1	57.5	56.0	54.8	53.6	52.1	50.9	49.6	48.5														
	58	61.0	59.1	57.3	55.8	54.7	53.6	52.4	51.3	49.9																
	60	59.0	57.4	55.8	54.5	53.3	52.2	51.1	50.0																	
	62	57.0	55.6	54.5	53.3	52.0	50.7																			
	64	55.4	54.2	53.1	51.8	50.7																				
	66	54.0	52.7	51.6	50.4																					
	68	52.7	51.4	50.2																						
	70	51.4	50.0																							
	72	50.1																								



NOTES: 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

REGISTRATION #29296
COPYRIGHT © 2022
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

BY: A. LYNN MILLER, P.E.

SB

SB

REVISION:

REVISION: 11/28/22

DATE: 11/28/22

#:

B

C

FIXED WINDOW FPA, NI

DP TABLES & GLASS TYPES

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

DATE: 11/28/22

SCALE: NTS

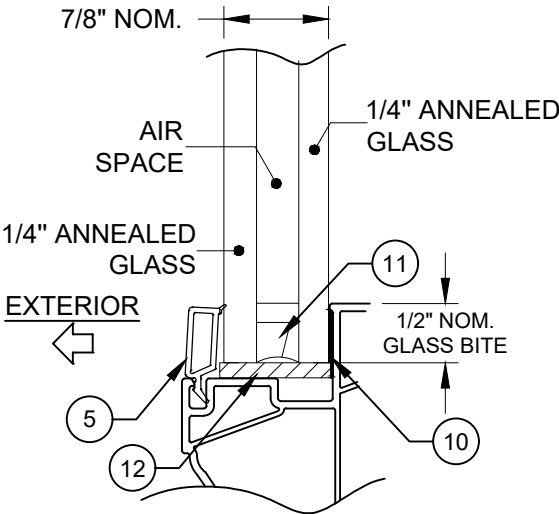
BY: S. BERKOWITZ

DRAWING #: PW9600-FPA-01

SHEET: 3 OF 10

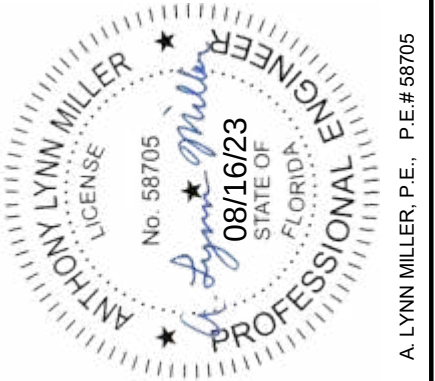
TABLE C:

Window Design Pressure (+/- psf)																										
Glass Type 3: 7/8" IG (1/4" A - AIRSPACE - 1/4" A)																										
Window Dimensions	Long Side (in.)																									
	74	76	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	80.0	78.1	75.2	73.2	71.2	69.2	67.3	65.3	63.3	61.1	58.8	56.7	55.6	54.5	53.4	52.3	51.2	50.3	49.4	48.4	47.5	46.8	46.2	45.6	
	46	80.0	77.1	74.5	72.6	70.7	68.7	66.7	64.6	62.6	60.5	58.3	56.1	54.6	53.2	52.1	50.9	49.8	48.4	47.2	46.4	45.6	45.0	44.4	43.6	
	48	79.4	76.3	74.0	72.1	70.3	68.3	66.2	64.2	62.1	60.1	57.9	55.8	54.4	53.0	51.5	50.0	48.7	47.5	46.4	45.5	44.5	43.6	42.9	42.2	
	50	78.6	75.6	73.5	71.6	69.8	67.8	65.9	63.9	61.9	59.7	57.6	55.8	54.4	52.9	51.5	49.9	48.4	46.9	46.0	45.1	44.2				
	52	77.4	74.9	73.0	71.1	69.2	67.3	65.4	63.5	61.5	59.5	57.4	55.6	54.2	52.9	51.5	49.9	48.4	47.0	45.9						
	54	75.9	74.0	72.3	70.7	68.7	66.8	64.9	63.0	61.1	59.3	57.2	55.6	54.2	52.7	51.4	50.0	48.4								
	56	74.7	72.9	71.3	69.7	68.1	66.3	64.4	62.4	60.6	58.7	56.8	55.4	54.1	52.7	51.3										
	58	73.8	72.0	70.2	68.5	67.0	65.5	63.9	61.9	60.0	58.1	56.4	55.1	54.0												
	60	72.7	70.9	69.1	67.5	65.8	64.2	62.8	61.3	59.5	57.6	56.0	54.6													
	62	71.3	69.8	68.1	66.4	64.6	63.0	61.5	60.1	58.7	57.1															
	64	69.7	68.2	66.8	65.2	63.5	61.9	60.3	58.7	57.2																
	66	68.1	66.6	65.2	63.8	62.2	60.6	59.0																		
	68	66.6	65.1	63.6	62.1	60.7	59.3																			
	70	65.2	63.6	62.0	60.5	59.1																				
	72	63.8	62.1	60.5	59.0																					
	74	62.3	60.7																							



GLASS TYPE 3

NOTES:
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

REGISTRATION #29296
COPYRIGHT © 2022
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

BY: FIXED WINDOW FPA, NI

SB DP TABLES & GLASS TYPES

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

REVISION: REVISE SILICONE & ANCHOR
OPTIONS, AND DP TABLES

DATE: 11/28/22

#: B

ADD SHAPES, ADD SILICON 995

DATE: 08/16/23

#: C

DATE: 11/28/22

SCALE: NTS

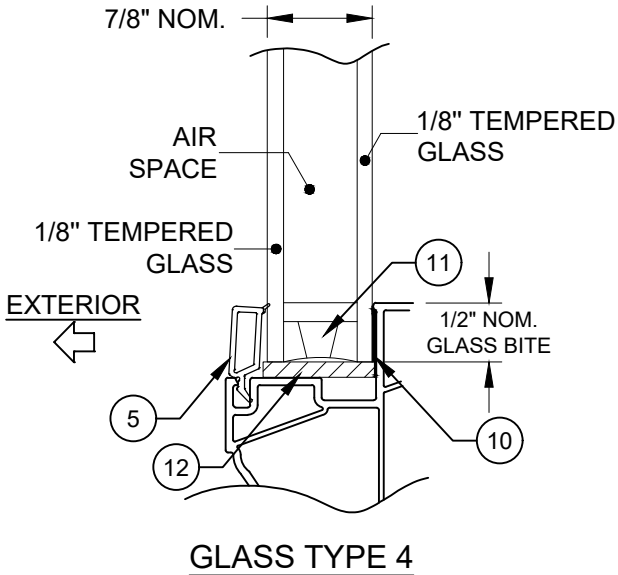
BY: S. BERKOWITZ

DRAWING #: PW9600-FPA-01

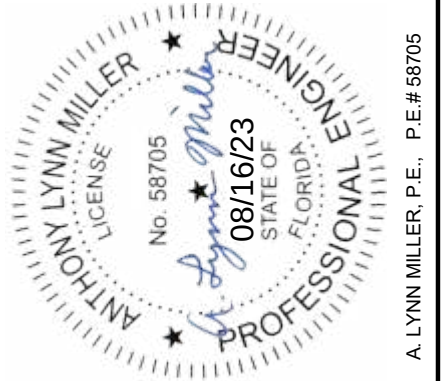
SHEET: 4 OF 9

TABLE D:

Window Design Pressure (+/- psf)																				
Glass Type 4: 7/8" IG (1/8"T - AIRSPACE - 1/8"T)																				
Window Dimensions	Long Side (in.)																			
	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	
Short Side (in.)	18	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	22	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	24	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	26	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	28	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	30	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	32	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
	34	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0							
	36	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0									
	38	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0										
	40	100.0	100.0	100.0	100.0	100.0	100.0	100.0												
	42	100.0	100.0	100.0	100.0	100.0	100.0													
	44	100.0	100.0	100.0	100.0															
	46	100.0	100.0	100.0																
	48	100.0	100.0																	



NOTES:
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

REGISTRATION #29296
COPYRIGHT © 2022
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

BY: SB

REVISION: REVISE SILICONE & ANCHOR
OPTIONS, AND DP TABLES

DATE: 11/28/22

#: B

SB

ADD SHAPES, ADD SILICON 995

08/16/23

C

FIXED WINDOW FPA, NI

DP TABLES & GLASS TYPES

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

DATE: 11/28/22

SCALE: NTS

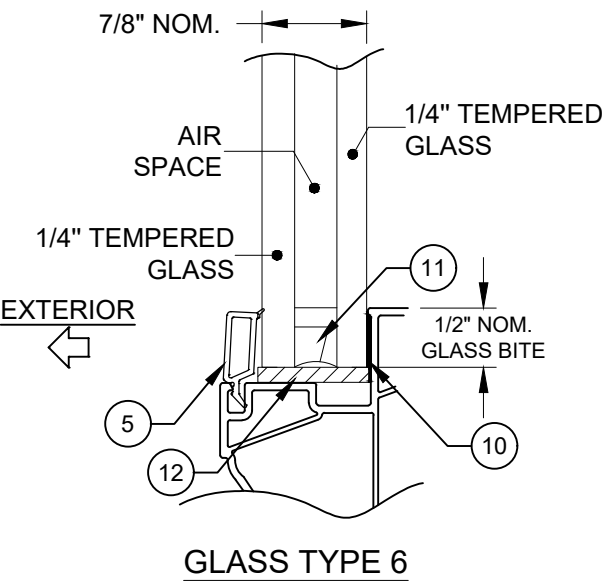
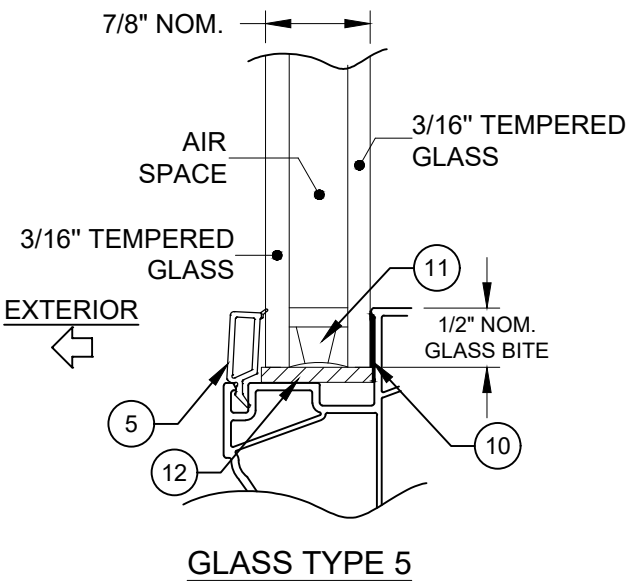
BY: S. BERKOWITZ

DRAWING #: PW9600-FPA-01

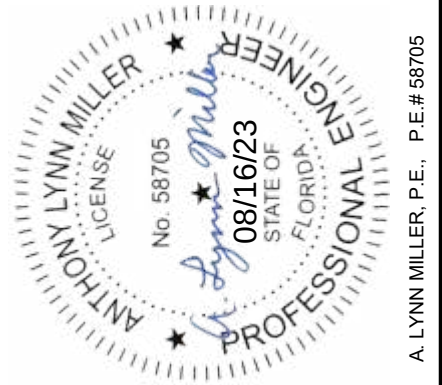
SHEET: 5 OF 10

TABLE E:

Window Design Pressure (+/- psf)																										
Window Dimensions		Glass Type 5: 7/8" IG (3/16"T - AIRSPACE - 3/16"T)																								
		Glass Type 6: 7/8" IG (1/4"T - AIRSPACE - 1/4"T)																								
		Long Side (in.)																								
		75.875	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	
	46	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	84.5	84.1	83.7	80.0	80.0	80.0	80.0	
	48	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	84.4	83.9	83.4	82.9	82.4	82.0	80.0	80.0	80.0	80.0	80.0	80.0	
	50	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	84.7	84.0	83.4	82.7	82.2	81.6	81.1	80.0	80.0	80.0	80.0	80.0	80.0				
	52	85.0	85.0	85.0	85.0	85.0	85.0	84.3	83.5	82.8	82.0	81.3	80.7	80.1	80.0	80.0	80.0	80.0	80.0	80.0						
	54	85.0	85.0	85.0	85.0	84.5	83.5	82.6	81.7	81.0	80.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0								
	56	85.0	85.0	85.0	84.1	83.0	82.0	81.0	80.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0										
	58	85.0	85.0	84.0	82.8	81.6	80.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0												
	60	84.4	84.3	82.9	81.6	80.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0													
	62	83.4	83.4	81.9	80.6	80.0	80.0	80.0	80.0	80.0	80.0															
	64	82.7	82.6	81.1	80.0	80.0	80.0	80.0	80.0	80.0																
	66	82.0	81.9	80.4	80.0	80.0	80.0	80.0																		
	68	81.5	81.4	80.0	80.0	80.0	80.0																			
	70	80.0	80.0	80.0	80.0	80.0																				
	72	80.0	80.0	80.0	80.0																					
	74	80.0	80.0																							
	75.875	80.0																								



NOTES:
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

REGISTRATION #29296
COPYRIGHT © 2022
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

BY: A. LYNN MILLER, P.E.

FIXED WINDOW FPA, NI

DP TABLES & GLASS TYPES

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

REVISION:

DATE:

#:

DATE: 11/28/22

SCALE: NTS

BY: S. BERKOWITZ

DRAWING # : PW9600-FPA-01

SHEET: 6 OF 10

REVISE SILICONE & ANCHOR
OPTIONS, AND DP TABLES

11/28/22

B

ADD SHAPES, ADD SILICON 995

08/16/23

C

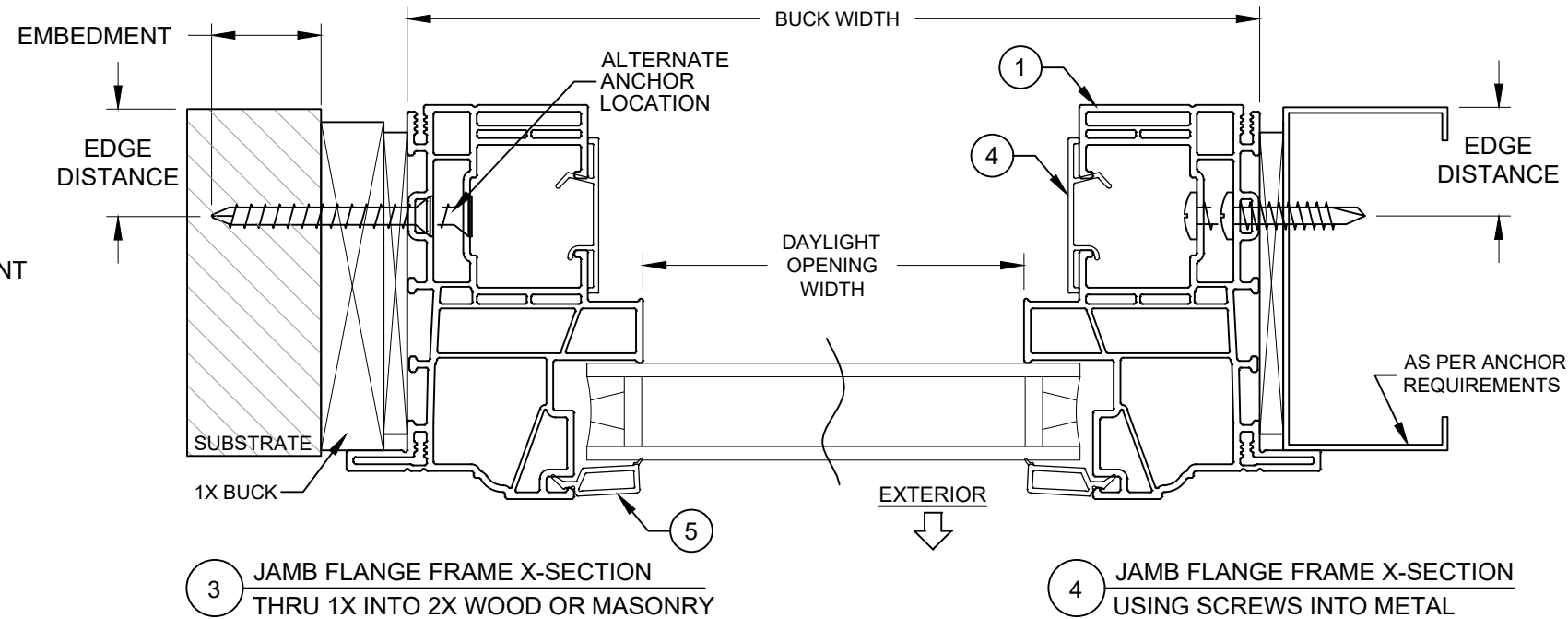
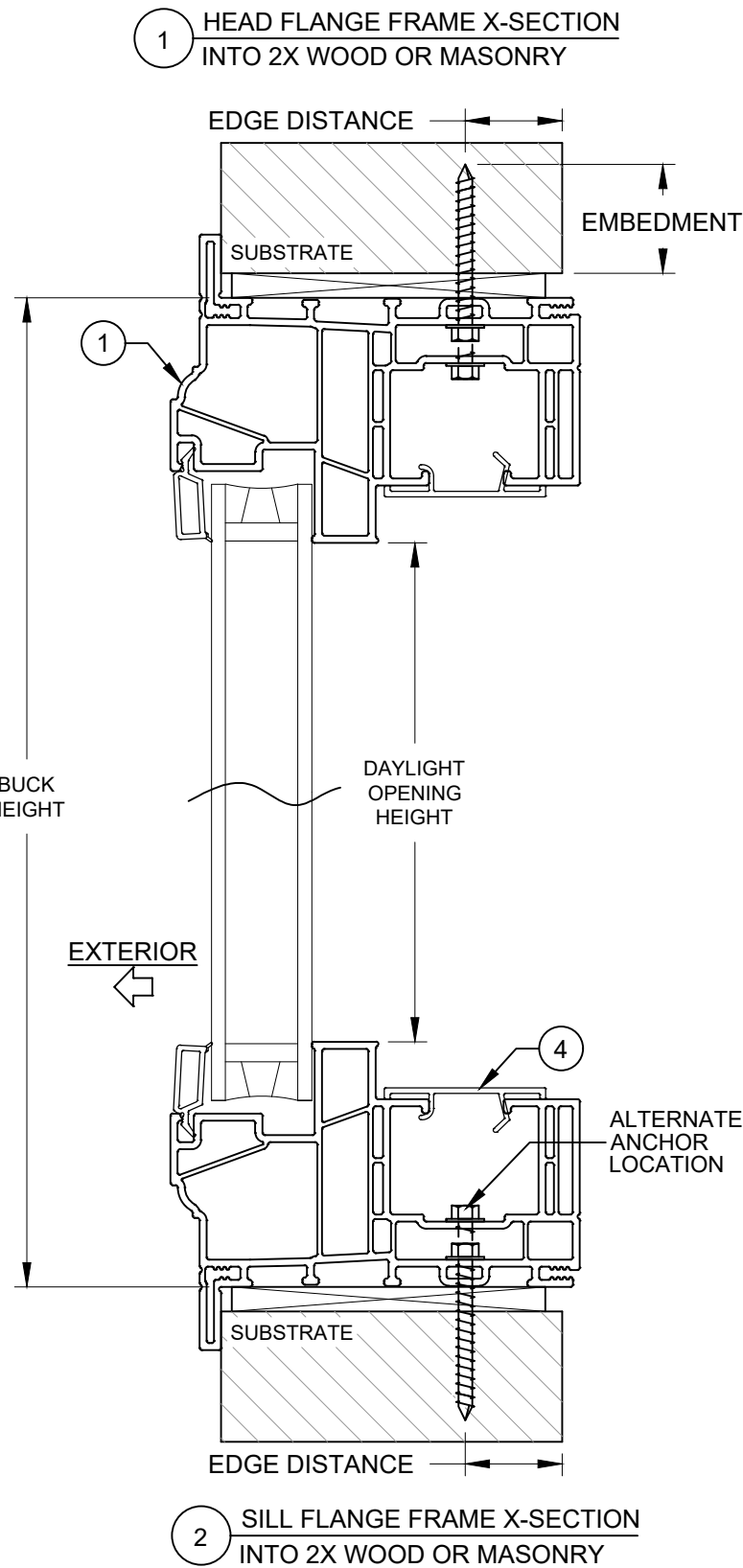


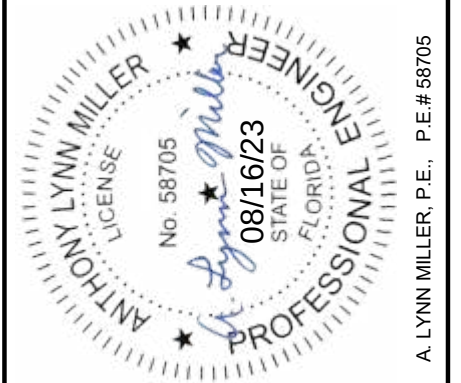
TABLE 2: INSTALLATION ANCHORS

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	9/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	0.050"
	Steel Stud, Gr. 33 min.	3/8"	0.045" (20 Ga)
	A36 Steel	3/8"	0.050"
3/16" Steel Ultracon+	Concrete (min. 2.9 ksi)	1"	1-3/4"
	Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"
1/4" Steel Ultracon+	Concrete (min. 3.0 ksi)	1"	1-3/8"
	Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- 2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- 3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
- 2) ANY INSTALLATION OPTION SHOWN (2X BUCK, 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. 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.



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

REGISTRATION #29296

COPYRIGHT © 2022
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

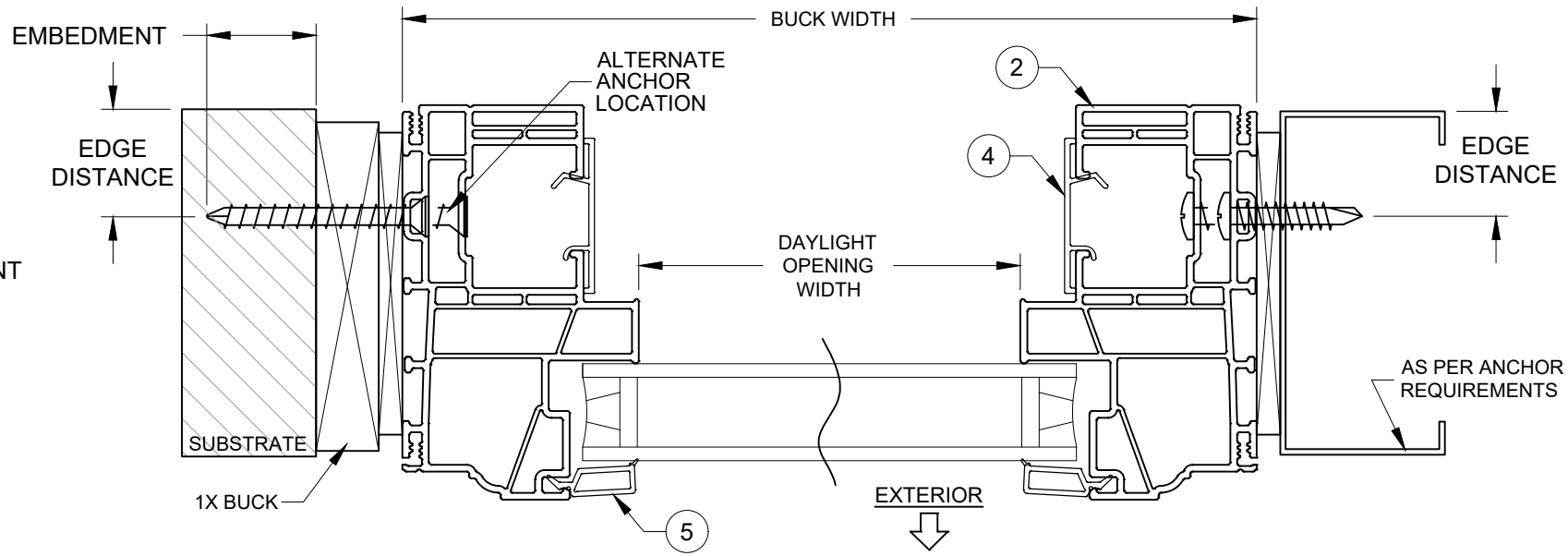
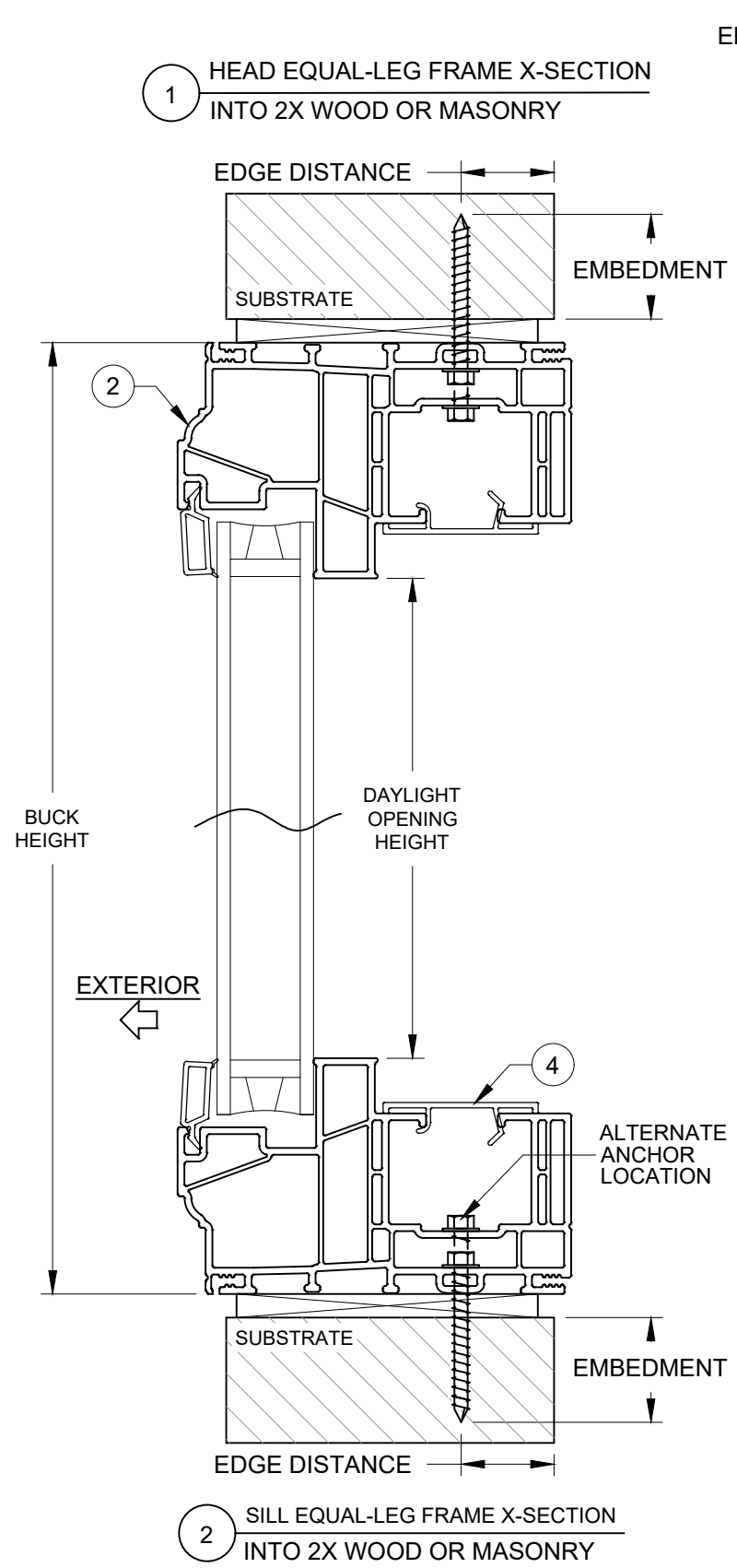
PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DR
N. VENICE, FL 34275
(941)-480-1600

FIXED WINDOW FPA, NI

FLANGE INSTALLATION SECTION VIEWS

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

BY:	SB	SB		
REVISION:	REVISE SILICONE & ANCHOR OPTIONS, AND DP TABLES	ADD SHAPES, ADD SILICON 995		
DATE:	11/28/22	08/16/23		
#:	B	C		
DATE: 11/28/22				
SCALE: NTS				
BY: S. BERKOWITZ				
DRAWING #: PW9600-FPA-01				
SHEET: 7 OF 10				



3 JAMB EQUAL-LEG FRAME X-SECTION THRU 1X INTO 2X WOOD OR MASONRY

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

TABLE 3: INSTALLATION ANCHORS

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	9/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	0.050"
	Steel Stud, Gr. 33 min.	3/8"	0.045" (20 Ga)
	A36 Steel	3/8"	0.050"
3/16" Steel Ultracon+	Concrete (min. 2.9 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"
1/4" Steel Ultracon+	Concrete (min. 3.0 ksi)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- 2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- 3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

INSTALLATION NOTES:

1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.

2) ANY INSTALLATION OPTION SHOWN (2X BUCK, 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. 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
COPYRIGHT © 2022
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

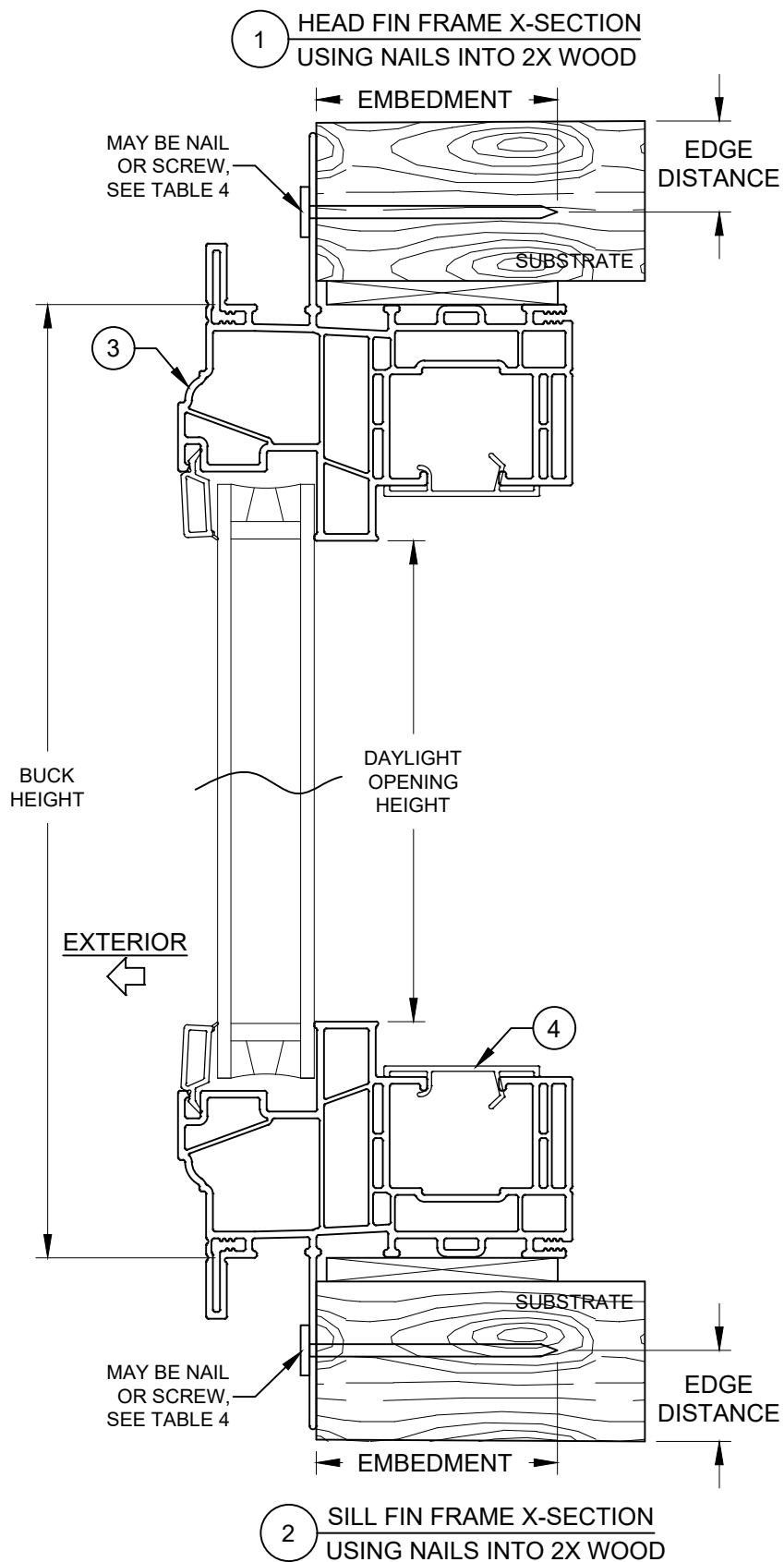
PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DR
N. VENICE, FL 34275
(941)-480-1600

FIXED WINDOW FPA, NI

EQUAL-LEG INSTALLATION
SECTION VIEWS

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

BY:	SB	SB		
REVISION:	REVISE SILICONE & ANCHOR OPTIONS, AND DP TABLES	ADD SHAPES, ADD SILICON 995		
DATE:	11/28/22	08/16/23		
#:	B	C		
DATE: 11/28/22				
SCALE: NTS				
BY: S. BERKOWITZ				
DRAWING # : PW9600-FPA-01				
SHEET: 8 OF 10				



3 JAMB FIN FRAME X-SECTION
USING SCREWS INTO 2X WOOD

4 JAMB FIN FRAME X-SECTION
USING SCREWS INTO METAL

TABLE 4: INSTALLATION ANCHORS

Anchor	Substrate	Min. Edge Distance	Min. Embedment
2-1/2" x .113" Box Nail	P.T. Southern Pine (SG = .55)	5/16"	2-7/16"
2-1/2" x .131" Common Nail	P.T. Southern Pine (SG = .55)	3/8"	2-7/16"
2-1/2" x .145" Roofing Nail	P.T. Southern Pine (SG = .55)	3/8"	2-7/16"
#10 Steel SMS	P.T. Southern Pine (SG = .55)	1/2"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	1/8"
	Steel Stud, Gr. 33 min.	3/8"	0.036
	A36 Steel	3/8"	1/8"

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. 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".

ANTHONY LYNN MILLER
LICENSE
No. 58705
08/16/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

REGISTRATION #29296
COPYRIGHT © 2022
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

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

FIXED WINDOW FPA, NI

FIN INSTALLATION SECTION VIEWS

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

BY: SB

REVISION: REVISE SILICONE & ANCHOR
OPTIONS, AND DP TABLES

DATE: 11/28/22

#: B C

DATE: 08/16/23

DATE: 11/28/22

SCALE: NTS

BY: S. BERKOWITZ

DRAWING #: PW9600-FPA-01

SHEET: 9 OF 10

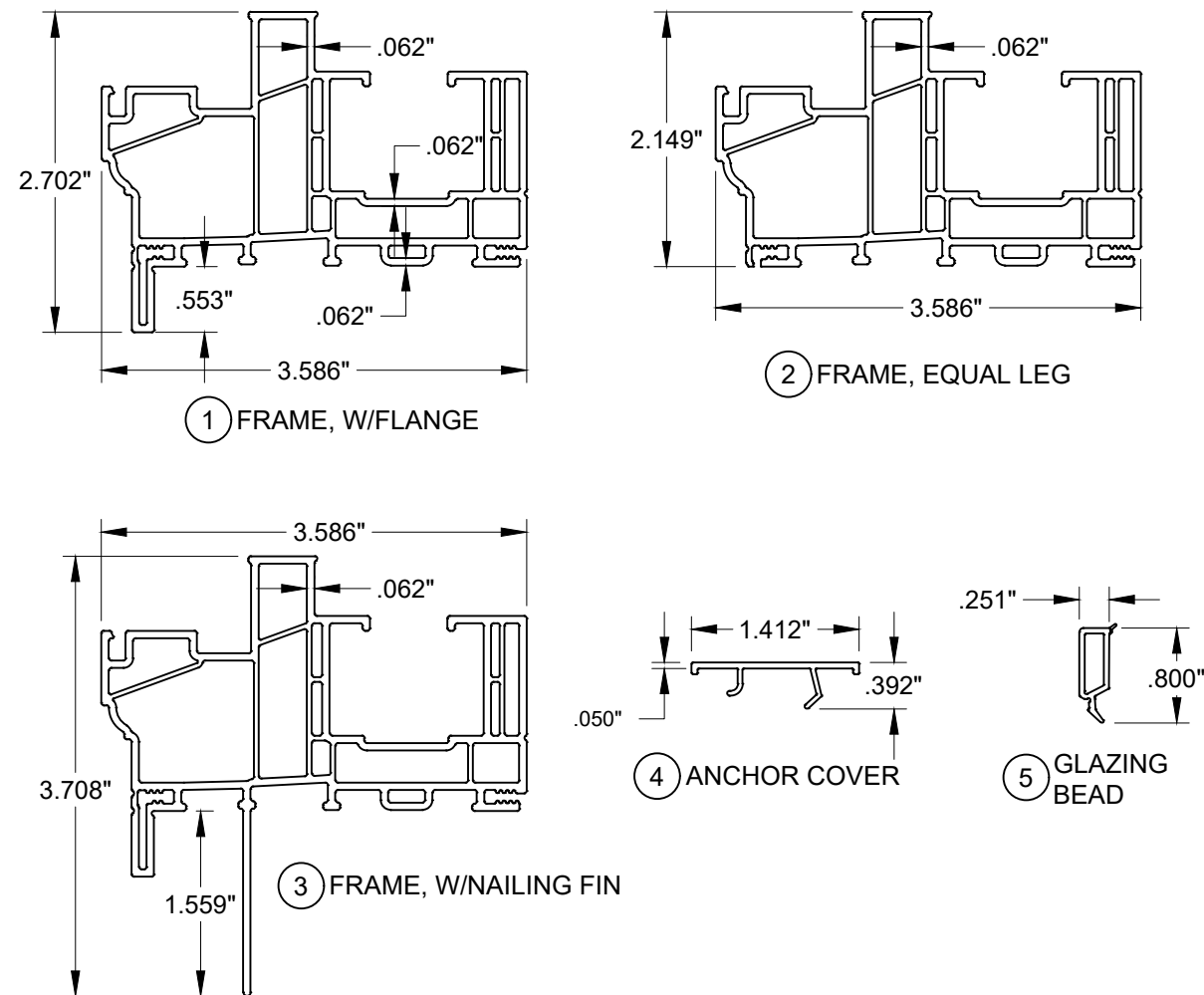


TABLE 5:

#	Part #	Description	Material
1	9465	Frame, w/Flange	PVC
2	9465	Frame, Equal Leg	PVC
3	9455	Frame, w/Nailing Fin	PVC
4	9473	Anchor Cover	PVC
5	9736	Glazing Bead	PVC
10		Glazing compound: RGS7700, Dow 791, 983, 995	
11		Metal or TPS Spacer	VARIES
12	7061	Setting Block, 1/8" x 7/8" x 2"	EPDM

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

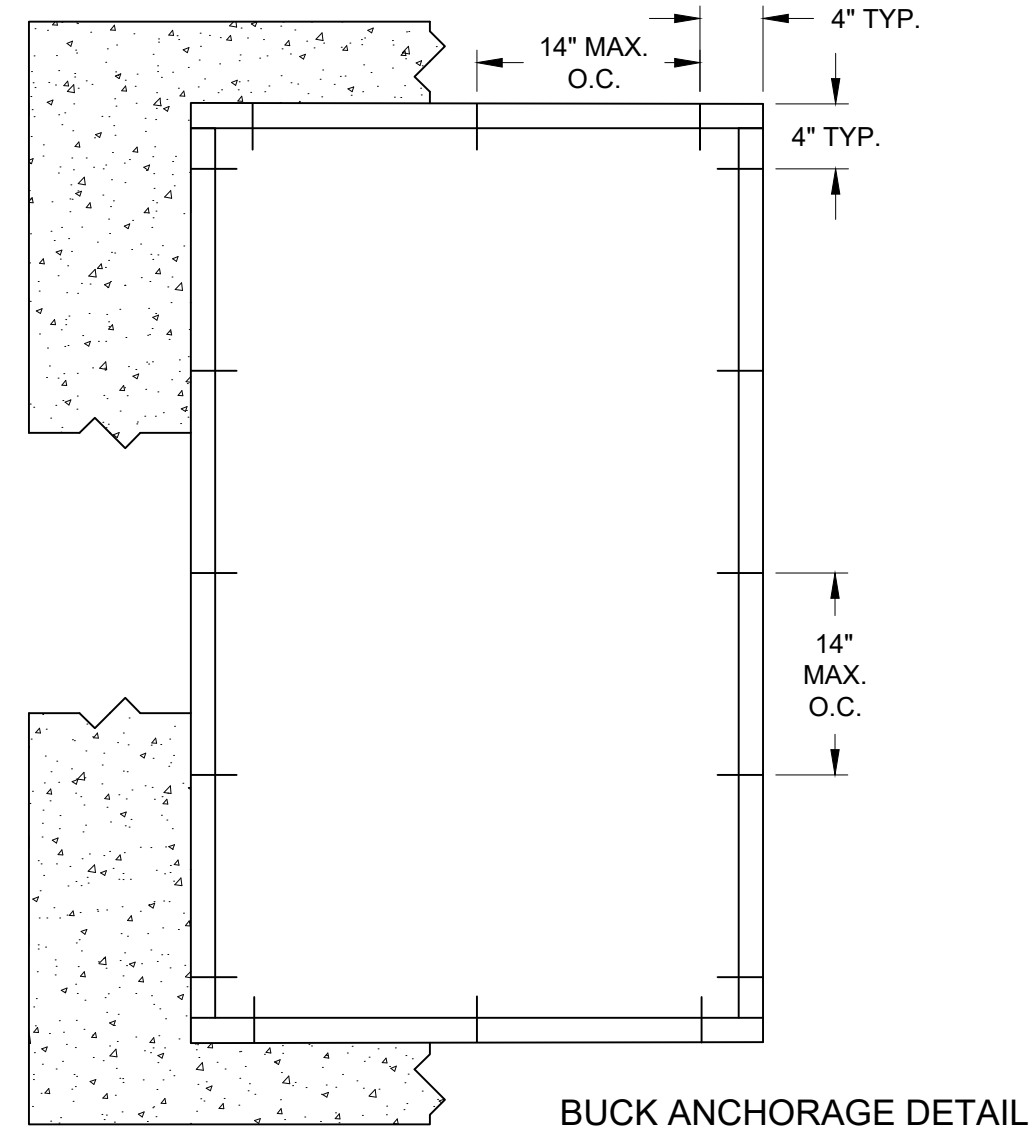
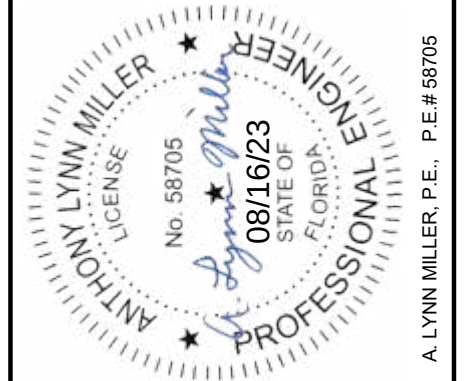


TABLE 6:

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.



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

REGISTRATION #29296
COPYRIGHT © 2022
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

BY:	FIXED WINDOW FPA, NI
SB	BILL OF MATERIALS/EXTRUSIONS/BOM
SB	BUCK INSTALLATION DETAILS
	NEWSOUTH WINDOW SOLUTIONS 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610

REVISION:

DATE:

#:

DATE: 11/28/22

SCALE: NTS

BY: S. BERKOWITZ

DRAWING # :
PW9600-FPA-01

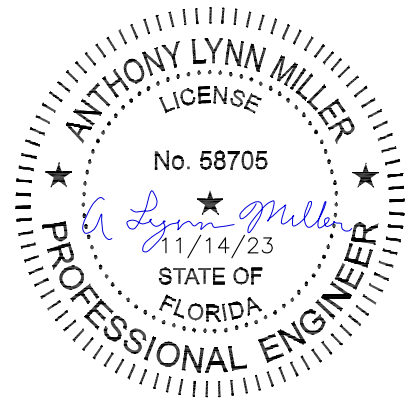
SHEET: 10 OF 10



SERIES 9000, MODEL 9500 (OX/XO) &
SERIES 9000, MODEL 9500-3 (XOX)
HORIZONTAL ROLLER WINDOW,
NON-IMPACT RESISTANT,
FLANGE, EQUAL-LEG & FIN FRAMES

FLORIDA PRODUCT APPROVAL #39124

DP RATING	NOT RATED FOR MISSILE IMPACT RESISTANCE
SEE TABLES 1 & 2	



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

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 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.

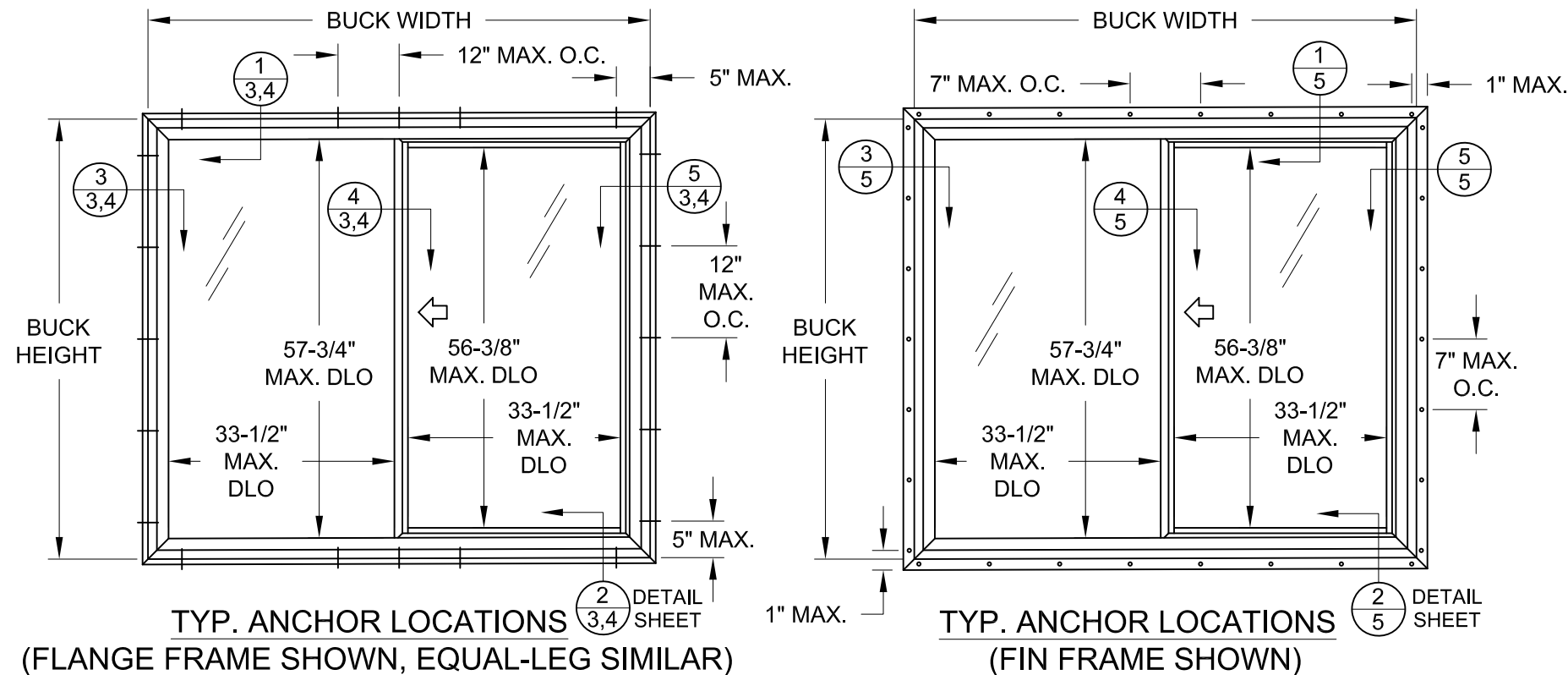


TABLE 1: DESIGN PRESSURES

Buck Width	Buck Height	Configuration	Impact Level	Frame Type	Glass Type	Design Pressure	
						(+) psf	(-) psf
74"	62"	XO/OX	Non-Impact	Flange, Equal-Leg	1 or 2	45.0	45.0
74"	62"	XO/OX	Non-Impact	Flange, Equal-Leg	3 or 4	55.0	65.0
60"	60"	XO/OX	Non-Impact	Flange, Equal-Leg	1 or 2	50.0	50.0
74"	62"	XO/OX	Non-Impact	Integral Fin	1 or 2	45.0	45.0
74"	62"	XO/OX	Non-Impact	Integral Fin	3 or 4	55.0	60.0
60"	60"	XO/OX	Non-Impact	Integral Fin	1 or 2	55.0	55.0

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.
FOR GLASS TYPES, SEE SHEET 7.

REGISTRATION #29296 COPYRIGHT © 2023 NEWSOUTH WINDOW SOLUTIONS LIMITED LICENSE TO MAKE COPIES FOR PERMITTING	9000 SERIES HORIZ. ROLLER MODELS 9500 & 9500-3, NI			
	GENERAL NOTES, XO DESIGN PRESSURES & ANCHOR ELEVATION	NEWSOUTH WINDOW SOLUTIONS 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610		
PREPARED BY: A. LYNN MILLER, P.E. 1070 TECHNOLOGY DR N. VENICE, FL 34275 (941)-480-1600	BY:	LY	SB	JR
	REVISION:	MINOR EDITORIAL UPDATES	ADD 995 SILICONE TO BOM	CORRECTION IN TABLE 1
DATE:	12/22	8/16/23	11/14/23	
#:	1	2	A	
DATE: 12/14/2022				
SCALE: NTS				
BY: LOGAN YODER				
DRAWING # : HR9000-FPA-NI				
SHEET: 1 OF 7				

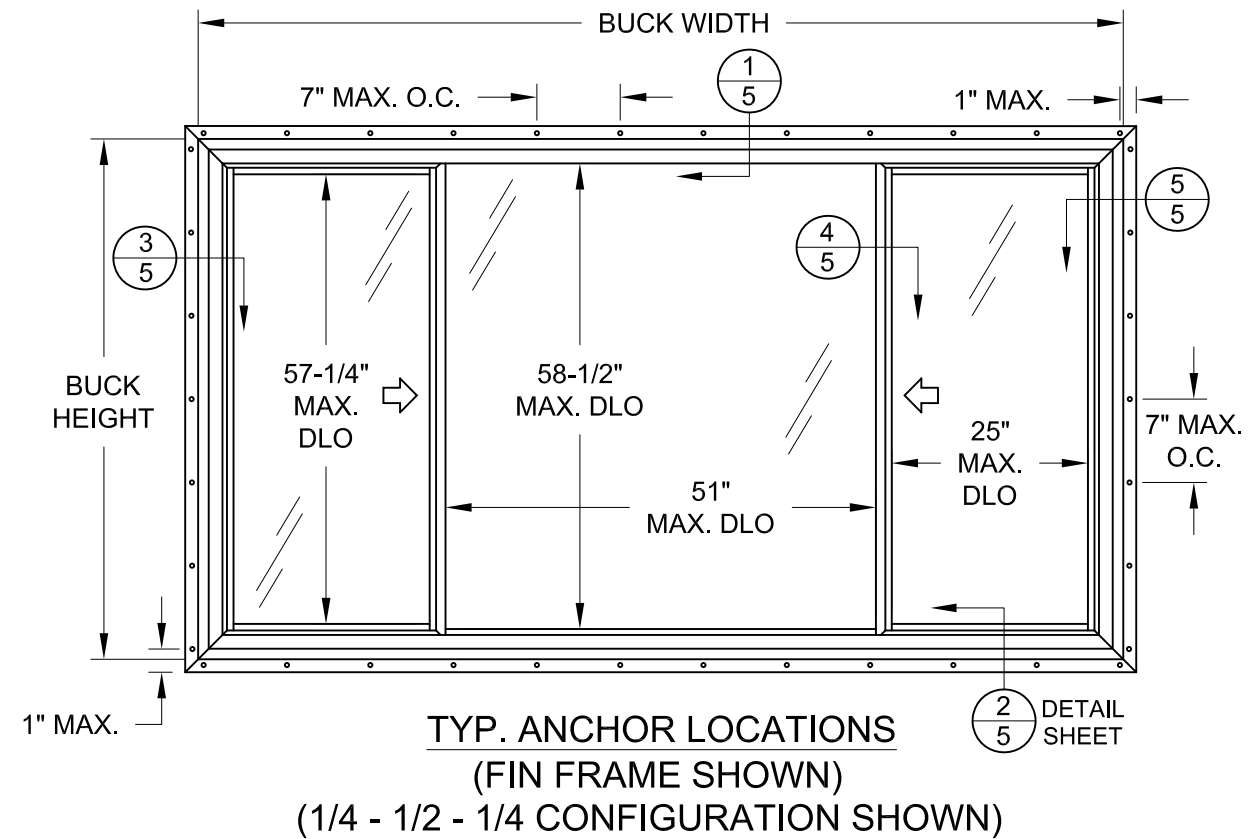
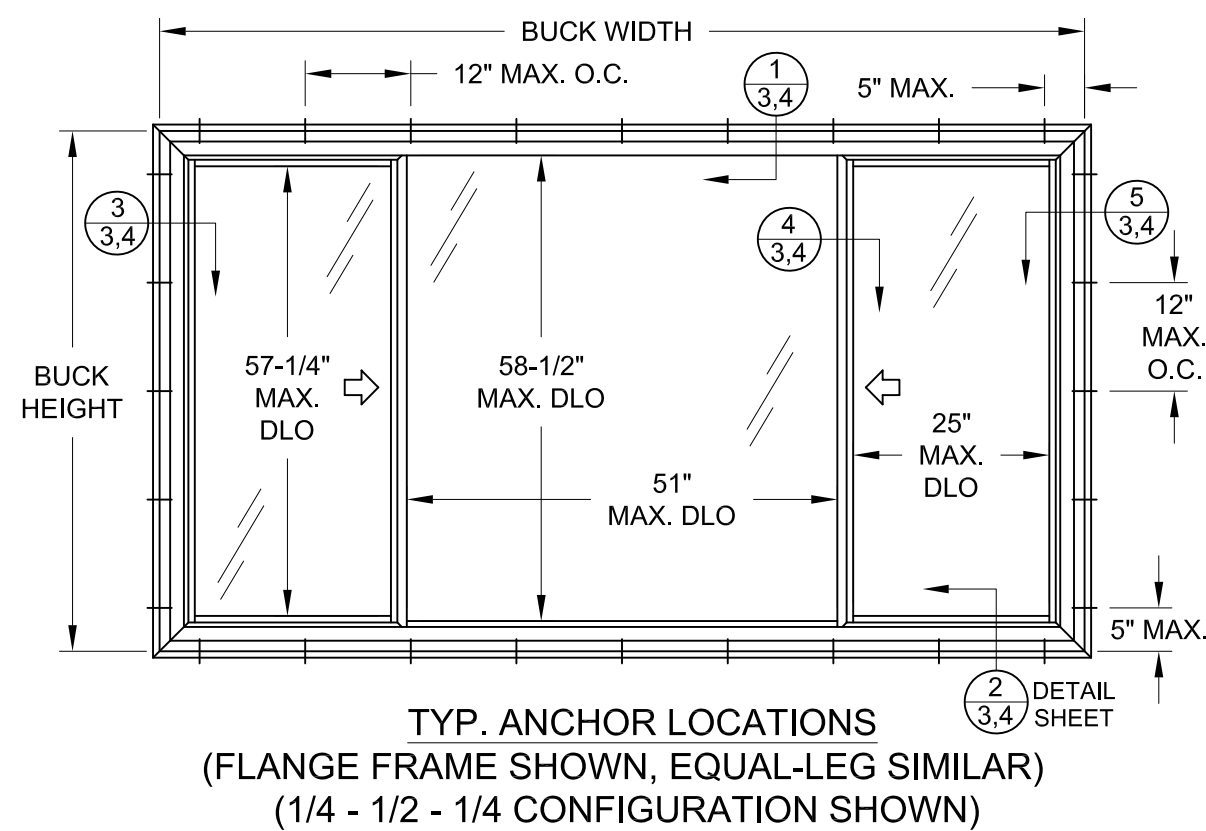


TABLE 2:

Buck Width	Buck Height	Configuration	Impact Level	Frame Type	Glass Types	Design Pressure	
						(+) psf	(-) psf
82-7/8"	63"	XOX, (1/3, 1/3, 1/3)	Non-Impact	Flange, Equal-Leg	Operable Lite: 1-4	50.0	50.0
					Fixed Lite: 1-4		
82-7/8"	63"	XOX, (1/3, 1/3, 1/3)	Non-Impact	Fin	Operable Lite: 1-4	45.0	45.0
					Fixed Lite: 1-4		
111"	63"	XOX, (1/4, 1/2, 1/4)	Non-Impact	Flange, Equal-Leg	Operable Lite: 1-4	50.0	50.0
					Fixed Lite, See Table 2A		
111"	63"	XOX, (1/4, 1/2, 1/4)	Non-Impact	Fin	Operable Lite: 1-4	45.0	45.0
					Fixed Lite, See Table 2A		

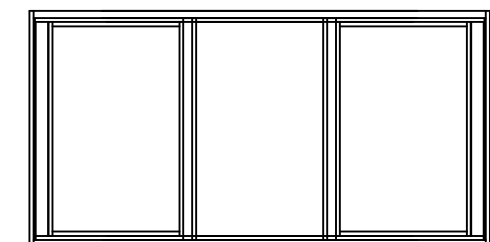
TABLE 2A:

Allowable Glass Types for the Fixed Lite of an XOX 1/4 - 1/2 - 1/4							
		Width					
		60"	72"	84"	96"	108"	111"
Height	36"	1 - 4	1 - 4	1 - 4	1 - 4	1 - 4	1 - 4
	48"	1 - 4	1 - 4	1 - 4	1 - 4	2 - 4	2 - 4
	54"	1 - 4	1 - 4	1 - 4	2 - 4	2 - 4	2 - 4
	60"	1 - 4	1 - 4	2 - 4	2 - 4	3 & 4	3 & 4
	63"	1 - 4	1 - 4	2 - 4	2 - 4	3 & 4	3 & 4

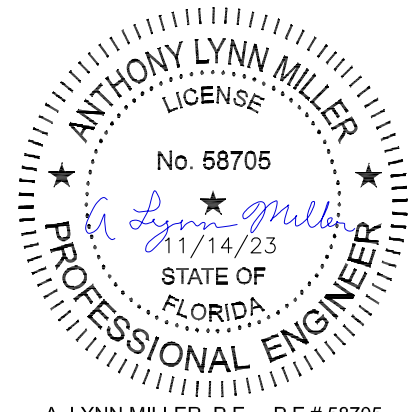
1) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

2) FOR GLASS DESCRIPTIONS, SEE SHEET 7.

3) BUCK DIMENSIONS SHOWN.



WINDOW MAY BE A 1/4 - 1/2 - 1/4 CONFIGURATION OR 1/3 - 1/3 - 1/3 CONFIGURATION PROVIDED DLO (DAYLITE OPENING) SIZES ARE NOT EXCEEDED.



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

REGISTRATION #29296

COPYRIGHT © 2023
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

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

9000 SERIES HORIZ. ROLLER
MODELS 9500 & 9500-3, NI

GENERAL NOTES, XOX DESIGN
PRESSURES & ANCHOR ELEVATION

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

BY:	LY	SB	JR
REVISION:	MINOR EDITORIAL UPDATES	ADD 995 SILICONE TO BOM	CORRECTION IN TABLE 1
DATE:	12/22	8/16/23	11/14/23
#:	1	2	A

DATE: 12/14/2022
SCALE: NTS
BY: LOGAN YODER
DRAWING # :
HR9000-FPA-NI
SHEET: 2 OF 7

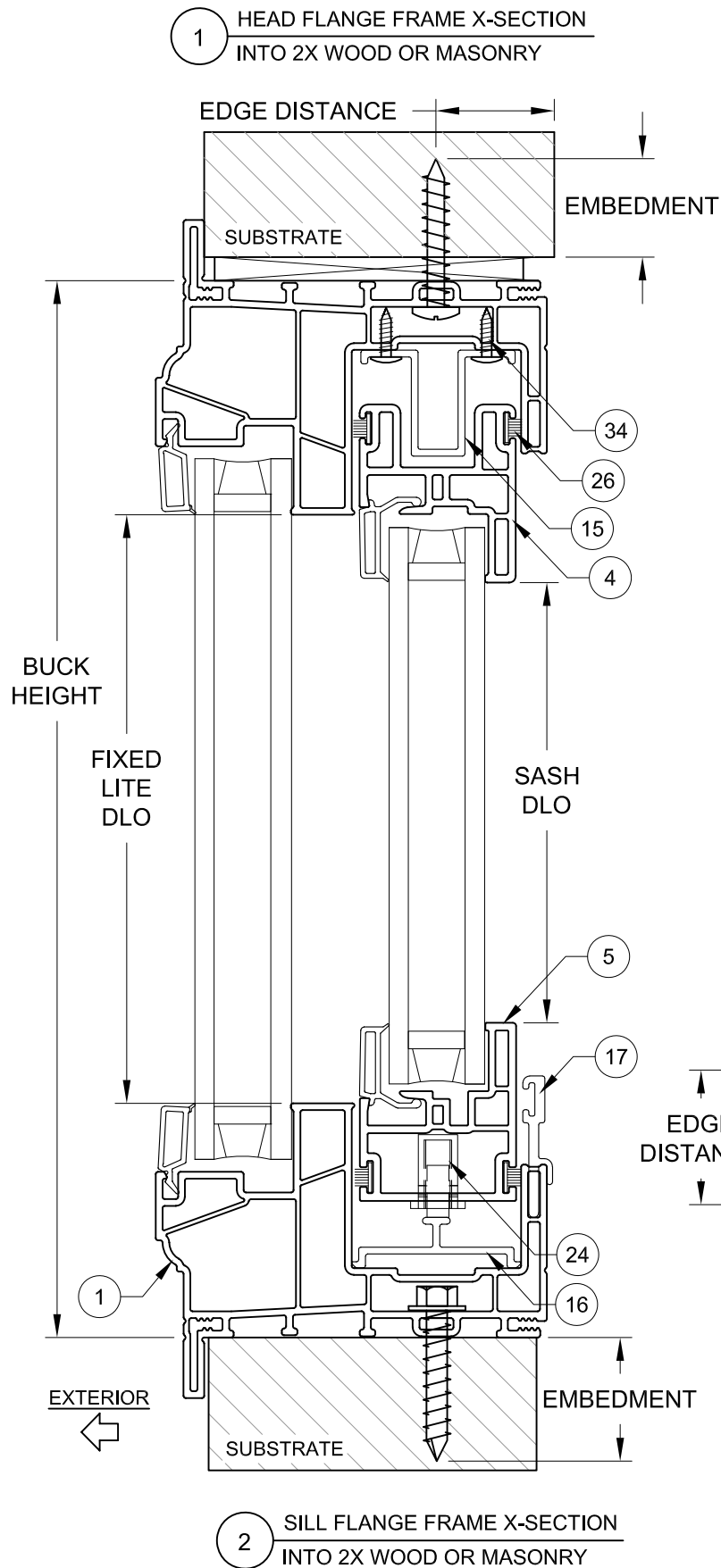


TABLE 3: INSTALLATION ANCHORS

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	9/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	0.050"
	Steel Stud, Gr. 33 min.	3/8"	0.045" (20 Ga)
	A36 Steel	3/8"	0.050"
3/16" Steel Ultracon+	Concrete (min. 2.9 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"
1/4" Steel Ultracon+	Concrete (min. 3.0 ksi)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

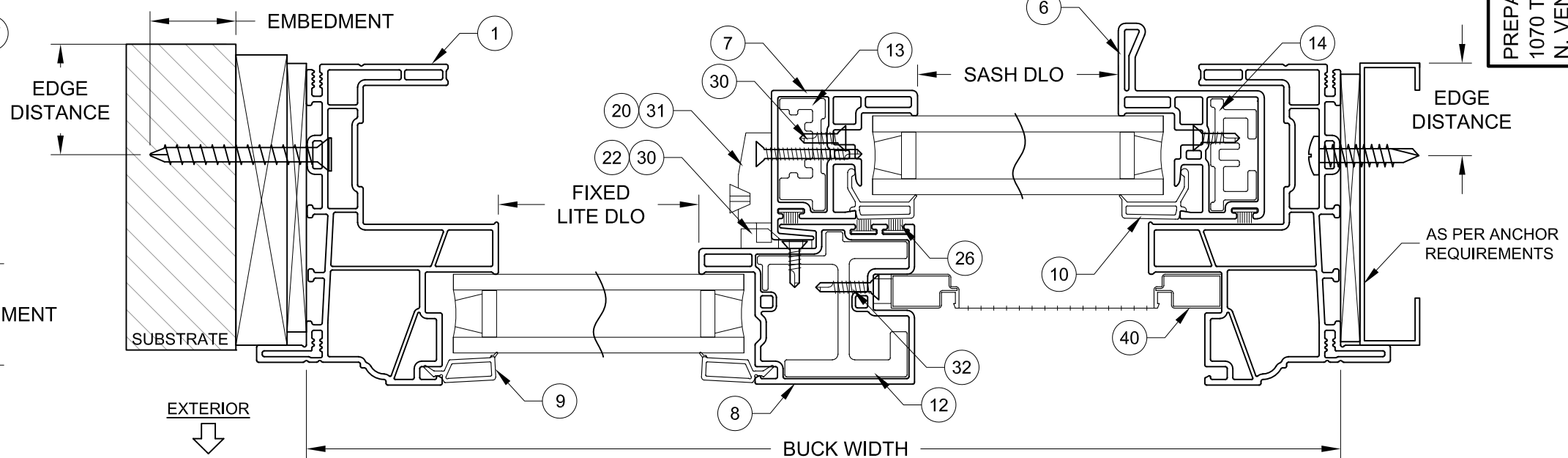
- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

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.

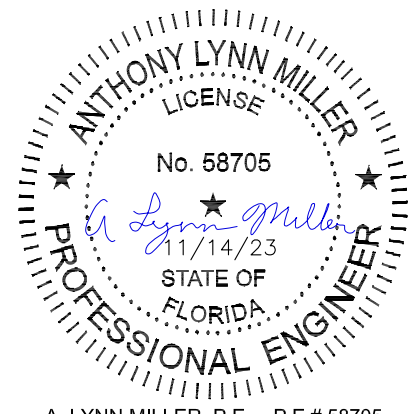
3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE 3. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4".



3 JAMB FLANGE FRAME X-SECTION THRU 1X INTO 2X WOOD OR MASONRY

4 MEETING RAIL X-SECTION SHOWN FOR OX CONFIGURATION (XOX SIMILAR)

5 JAMB FLANGE FRAME X-SECTION USING SCREWS INTO METAL



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

REGISTRATION #29296

COPYRIGHT © 2023
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

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

9000 SERIES HORIZ. ROLLER
MODELS 9500 & 9500-3, NI

FLANGE INSTALLATION & ANCHOR TYPES

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

REVISION:	DATE:	#:	BY:
MINOR EDITORIAL UPDATES	12/22	1	LY
ADD 995 SILICONE TO BOM	8/16/23	2	SB
CORRECTION IN TABLE 1	11/14/23	A	JR

DATE: 12/14/2022

SCALE: NTS

BY: LOGAN YODER

DRAWING #: HR9000-FPA-NI

SHEET: 3 OF 7

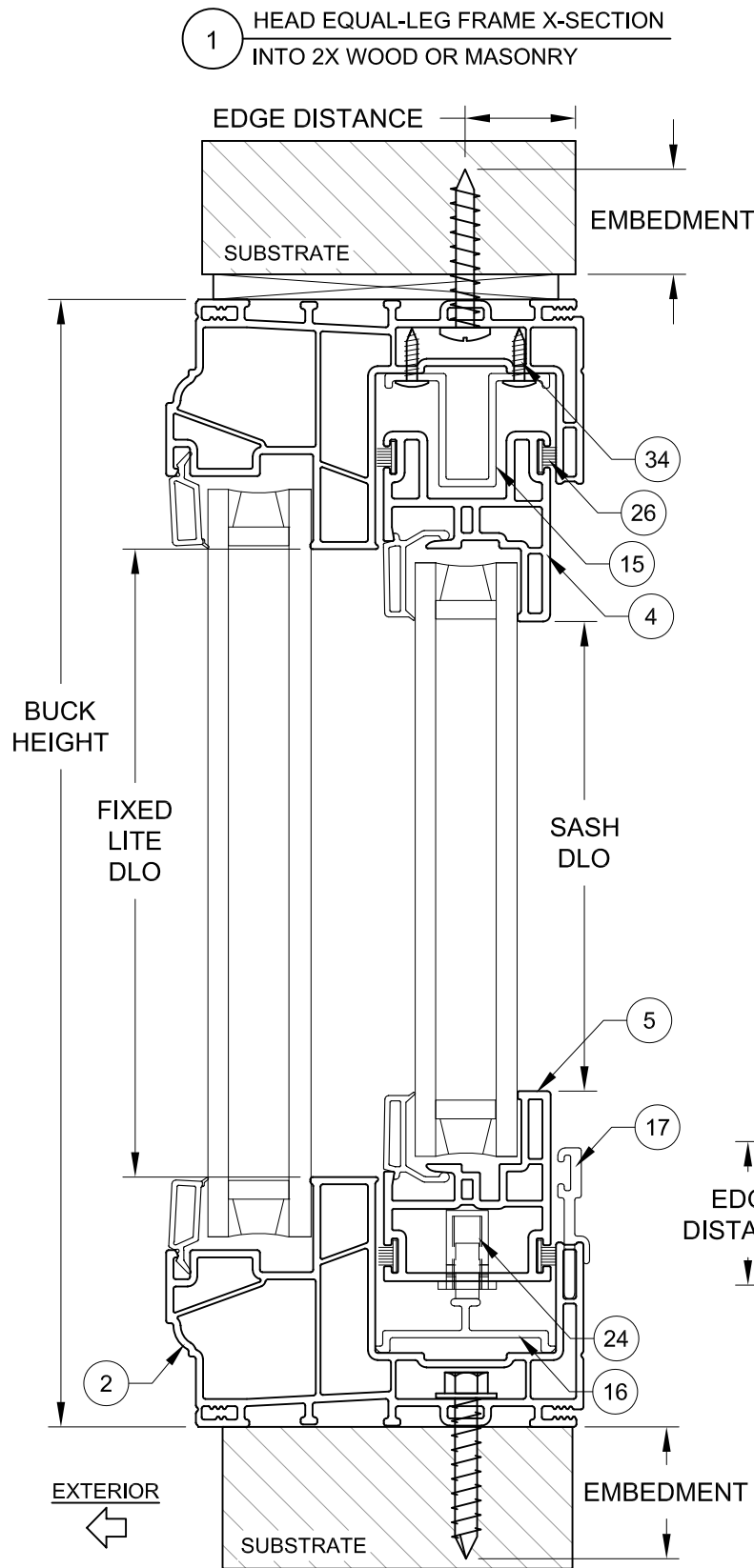


TABLE 4: INSTALLATION ANCHORS

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	9/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	0.050"
	Steel Stud, Gr. 33 min.	3/8"	0.045" (20 Ga)
	A36 Steel	3/8"	0.050"
3/16" Steel Ultracon+	Concrete (min. 2.9 ksi)	1"	1-3/4"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"
1/4" Steel Ultracon+	Concrete (min. 3.0 ksi)	1"	1-3/8"
	UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

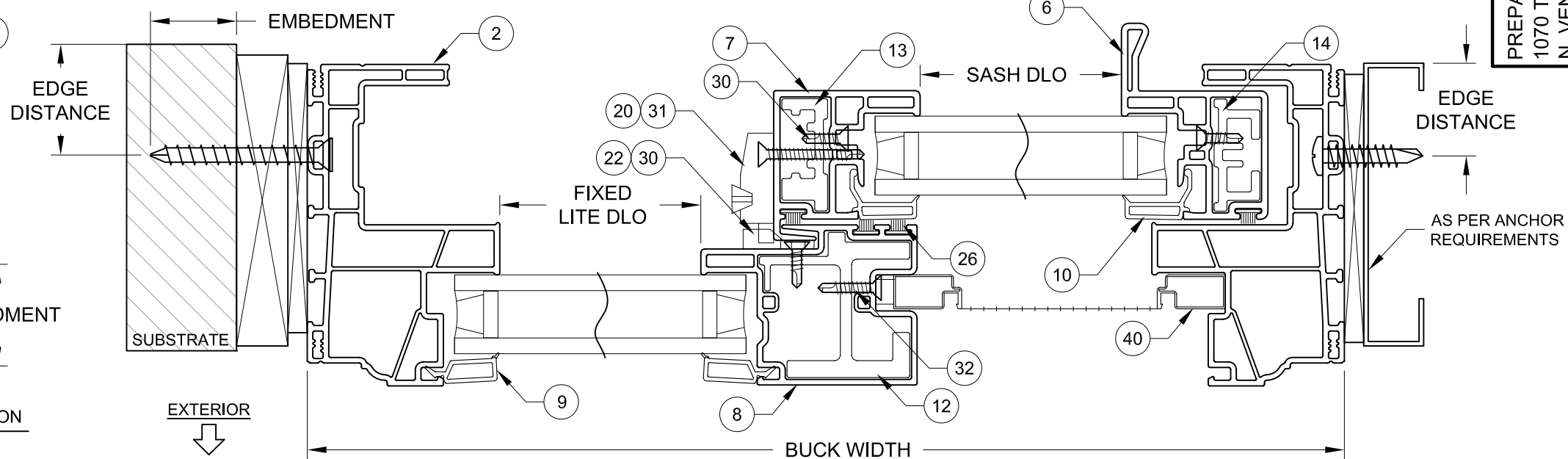
- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
 2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
 3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

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.

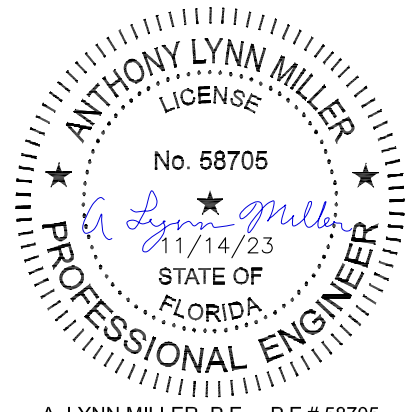
3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE 4. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4".



3 JAMB EQUAL-LEG FRAME X-SECTION THRU 1X INTO 2X WOOD OR MASONRY

4 MEETING RAIL X-SECTION SHOWN FOR OX CONFIGURATION (XOX SIMILAR)

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



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

REGISTRATION #29296

COPYRIGHT © 2023
 NEWSOUTH WINDOW SOLUTIONS
 LIMITED LICENSE TO MAKE
 COPIES FOR PERMITTING

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

9000 SERIES HORIZ. ROLLER
 MODELS 9500 & 9500-3, NI

EQUAL-LEG INSTALLATION &
 ANCHOR TYPES

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

REVISION:	DATE:	#:	BY:
MINOR EDITORIAL UPDATES	12/22	1	LY
ADD 995 SILICONE TO BOM	8/16/23	2	SB
CORRECTION IN TABLE 1	11/14/23	A	JR

DATE: 12/14/2022

SCALE: NTS

BY: LOGAN YODER

DRAWING #: HR9000-FPA-NI

SHEET: 4 OF 7

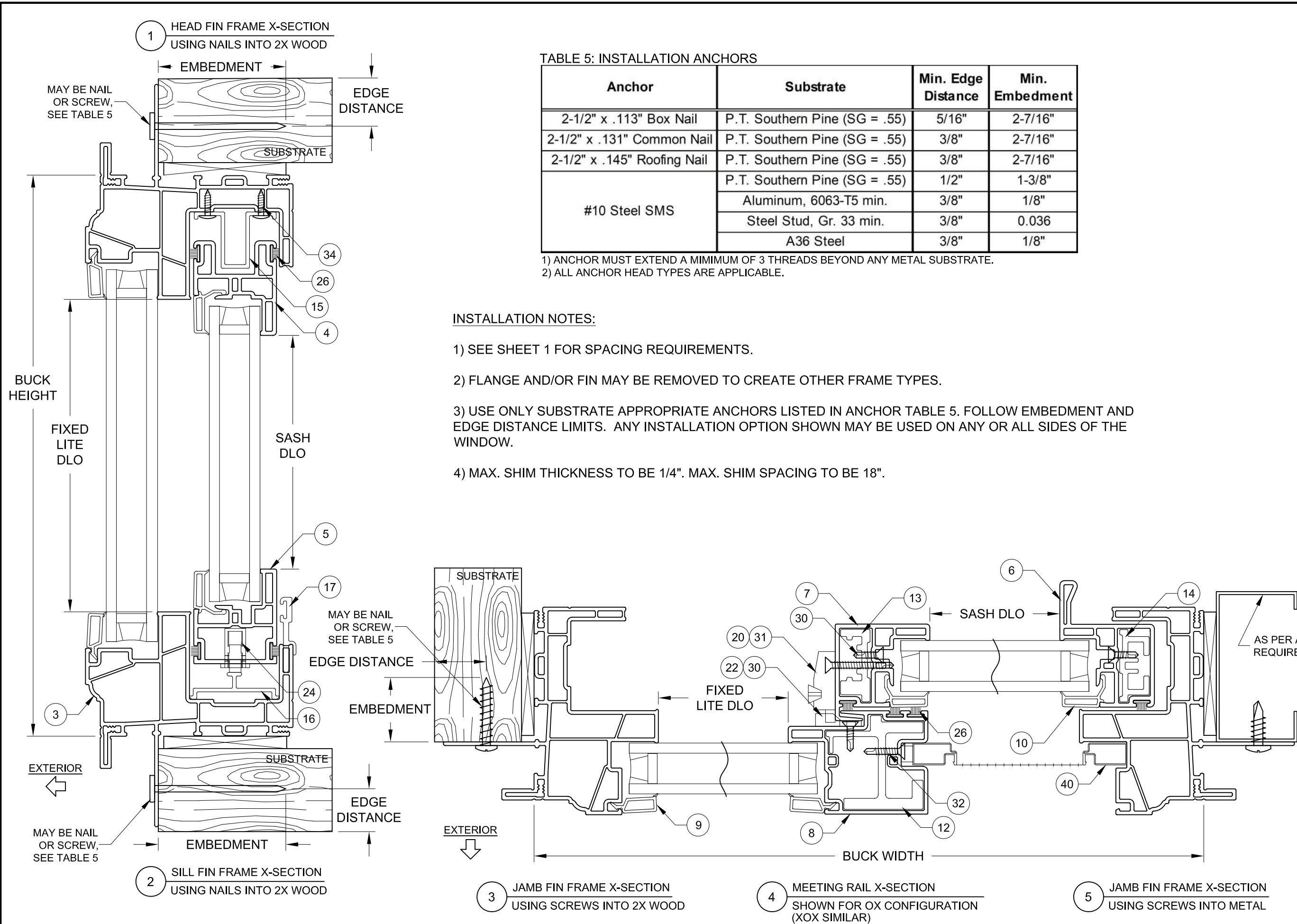


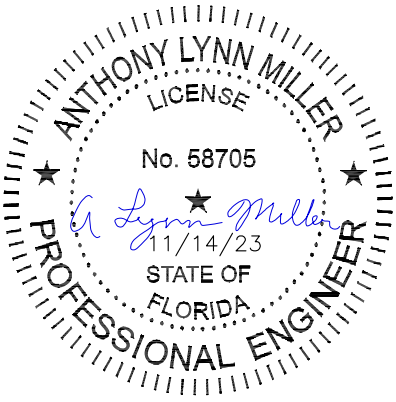
TABLE 5: INSTALLATION ANCHORS

Anchor	Substrate	Min. Edge Distance	Min. Embedment
2-1/2" x .113" Box Nail	P.T. Southern Pine (SG = .55)	5/16"	2-7/16"
2-1/2" x .131" Common Nail	P.T. Southern Pine (SG = .55)	3/8"	2-7/16"
2-1/2" x .145" Roofing Nail	P.T. Southern Pine (SG = .55)	3/8"	2-7/16"
#10 Steel SMS	P.T. Southern Pine (SG = .55)	1/2"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	1/8"
	Steel Stud, Gr. 33 min.	3/8"	0.036
	A36 Steel	3/8"	1/8"

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 FRAME TYPES.
- 3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE 5. 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".



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

REGISTRATION #29296

COPYRIGHT © 2023
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

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

9000 SERIES HORIZ. ROLLER
MODELS 9500 & 9500-3, NI

FIN INSTALLATION & ANCHOR TYPES

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

BY:	LY	SB	JR
REVISION:	MINOR EDITORIAL UPDATES	ADD 995 SILICONE TO BOM	CORRECTION IN TABLE 1
DATE:	12/22	8/16/23	11/14/23
#:	1	2	A

DATE: 12/14/2022

SCALE: NTS

BY: LOGAN YODER

DRAWING # :
HR9000-FPA-NI

SHEET: 5 OF 7

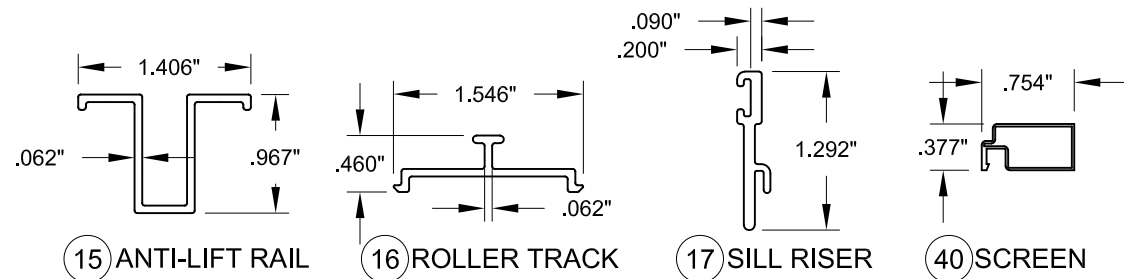
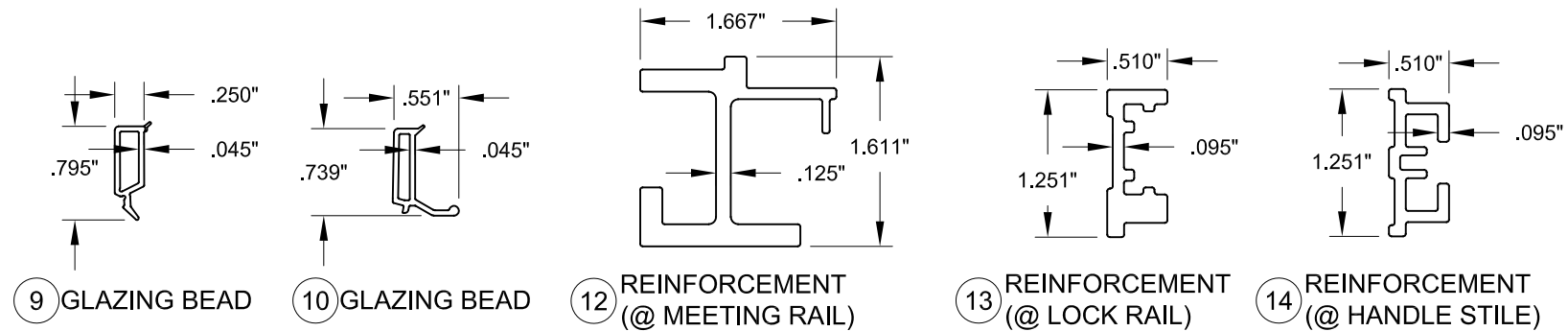
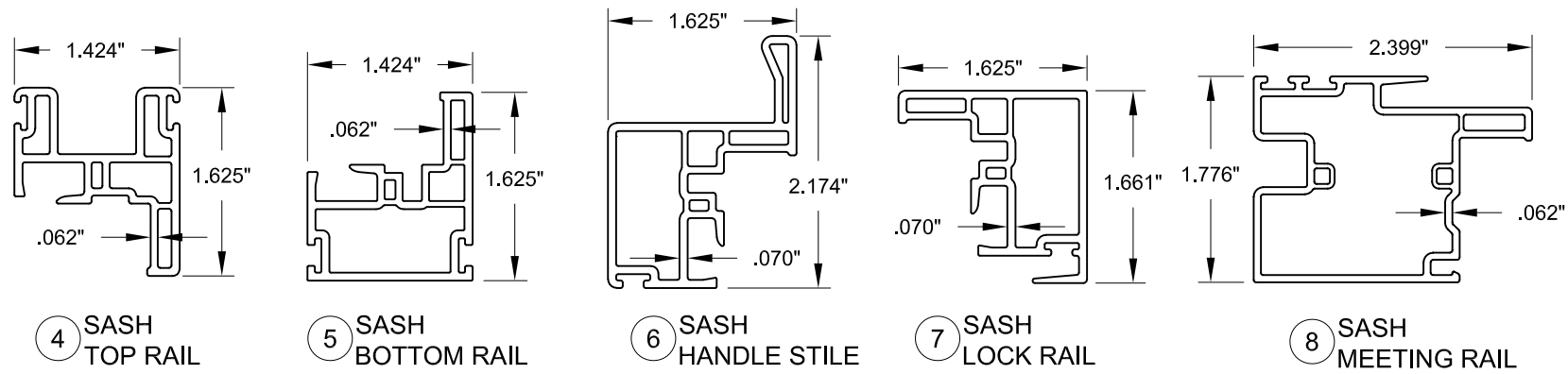
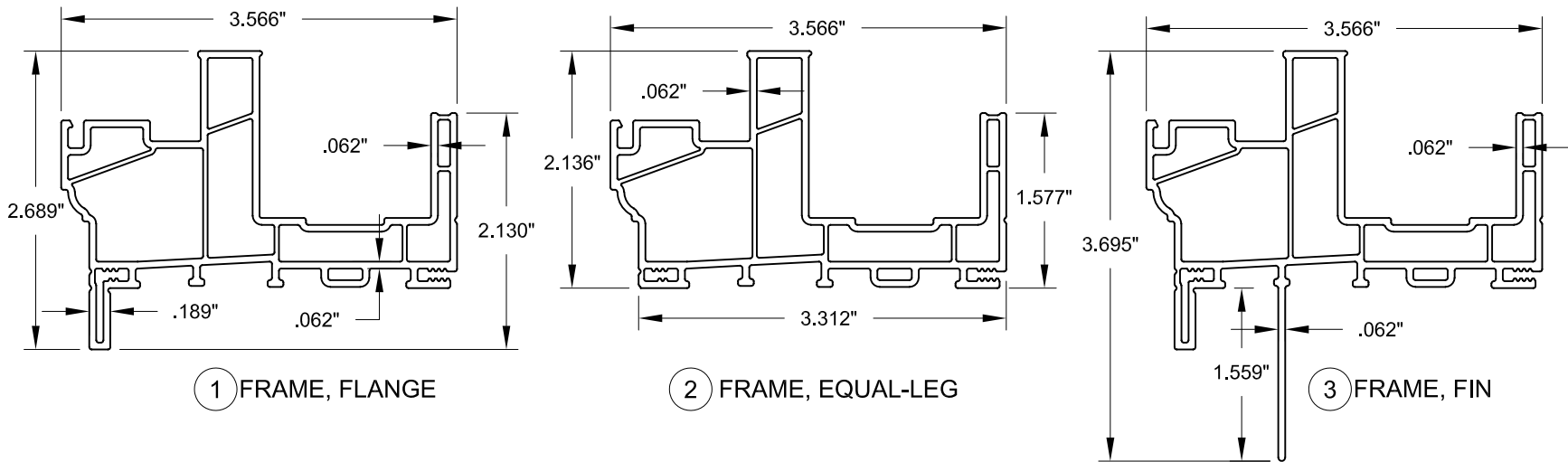
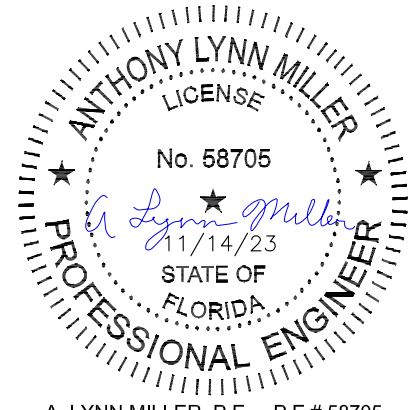


TABLE 6:

BILL OF MATERIALS			
ITEM #	PART #	DESCRIPTION	MATERIAL
1		Frame, Flange	PVC
2	9439	Frame, Equal-Leg	PVC
3		Frame, Fin	PVC
4	9478	Sash Top Rail	PVC
5	9424	Sash Bottom Rail	PVC
6	9475	Sash Handle Stile	PVC
7	9476	Sash Lock Rail	PVC
8	9477	Sash Meeting Rail	PVC
9	9436	Glazing Bead	PVC
10	9425	Glazing Bead	PVC
12	6165	Reinforcement @ Meeting Rail	6063-T6
13	6163	Reinforcement @ Lock Rail	6063-T6
14	6166	Reinforcement @ Handle Stile	6063-T6
15	6162	Anti-Lift Rail	6063-T6
16	6161	Roller Track	6063-T6
17	6158	Sill Riser	6063-T6
20		Lock	
22		Keeper	
24	8153	Roller Assm.	
25	8223	Weep Cover	Composite
26	4007	Weatherstrip, .270" x .250" Polyfin	
30	1003	Screw, #6 x 1/2" PFH	Steel
31	1007	Screw, #6 x 1-1/4" PFH	Steel
32	1012	Screw, #6 x 3/4" PFH	Steel
33	1015	Screw, #8 x 1/2" PTRUSS	Steel
34	1067	Screw, #6 x 3/8" PPH	Steel
35		RGS7700, Sika 552, Dow 791/983/995 Backbedding	
36		IG Spacer	varies
37		Setting Block	varies
40	6244	Screen	Nylon

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



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

REGISTRATION #29296

COPYRIGHT © 2023
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

PREPARED BY: A. LYNN MILLER, P.E.

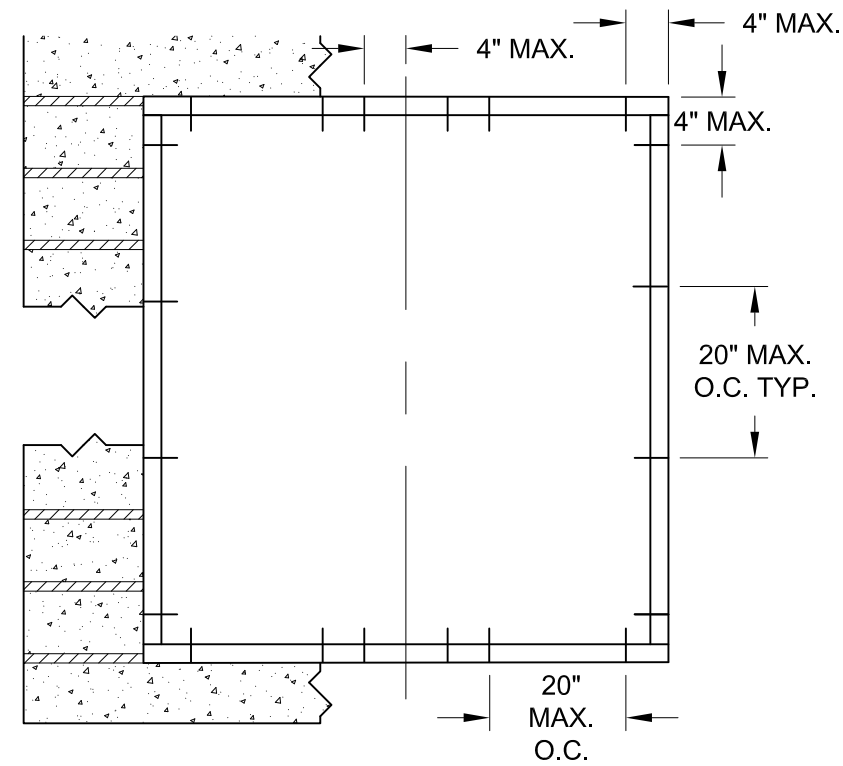
1070 TECHNOLOGY DR
N. VENICE, FL 34275
(941)-480-1600

9000 SERIES HORIZ. ROLLER
MODELS 9500 & 9500-3, NI

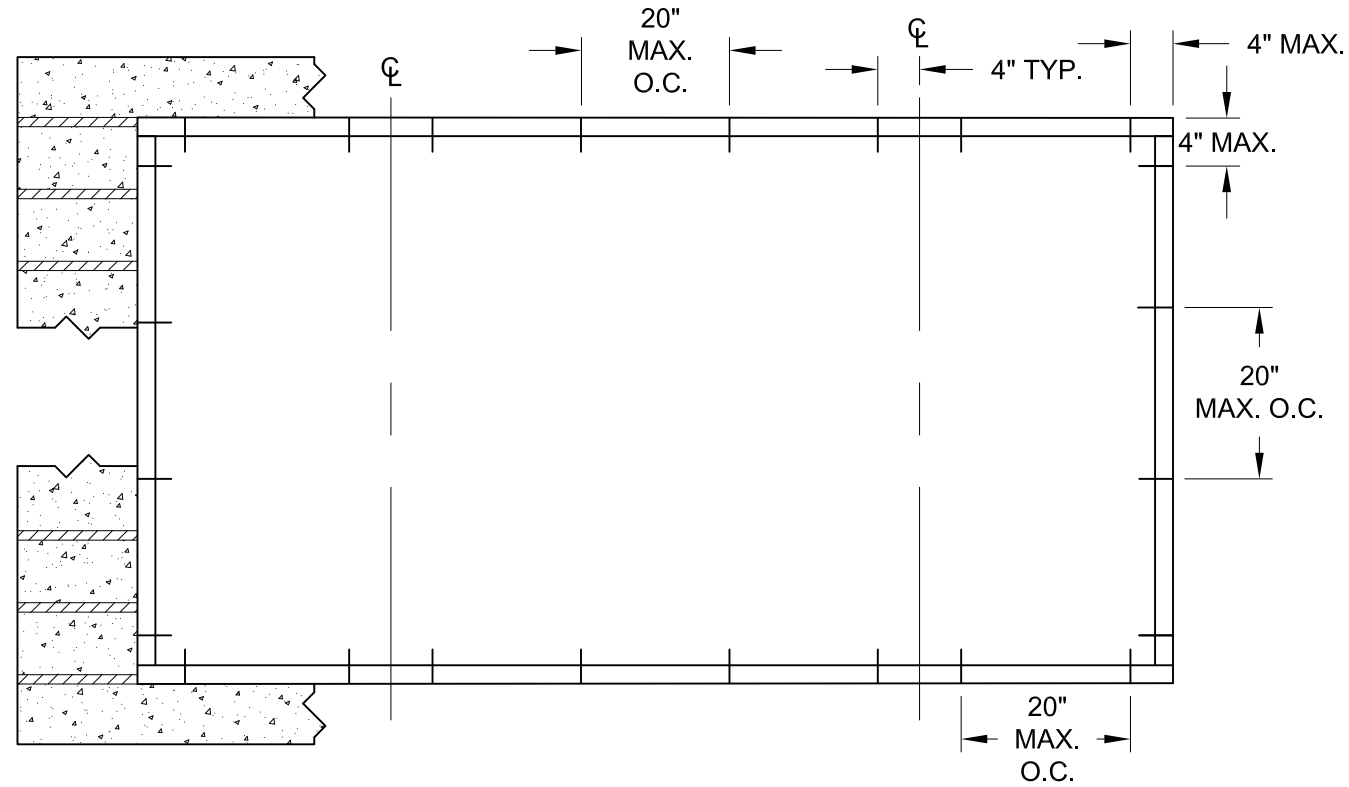
EXTRUSIONS & BOM

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

BY:	LY	SB	JR
REVISION:	MINOR EDITORIAL UPDATES	ADD 995 SILICONE TO BOM	CORRECTION IN TABLE 1
DATE:	12/22	8/16/23	11/14/23
#:	1	2	A
DATE: 12/14/2022			
SCALE: NTS			
BY: LOGAN YODER			
DRAWING # : HR9000-FPA-NI			
SHEET: 6 OF 7			



XO/OX BUCK ANCHORAGE DETAIL

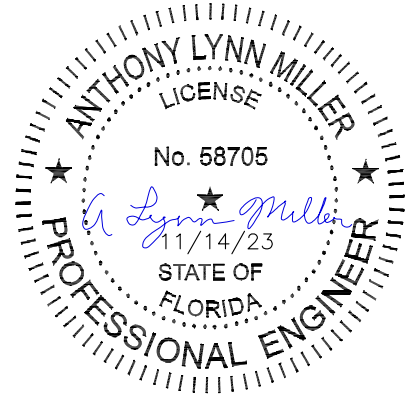
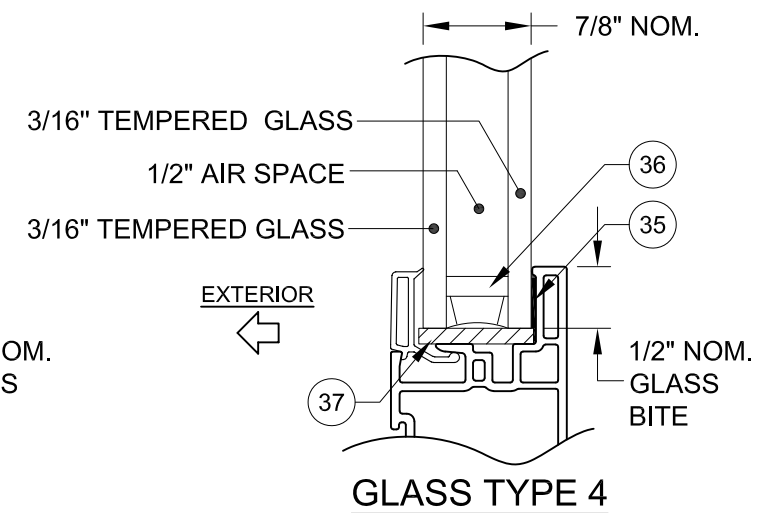
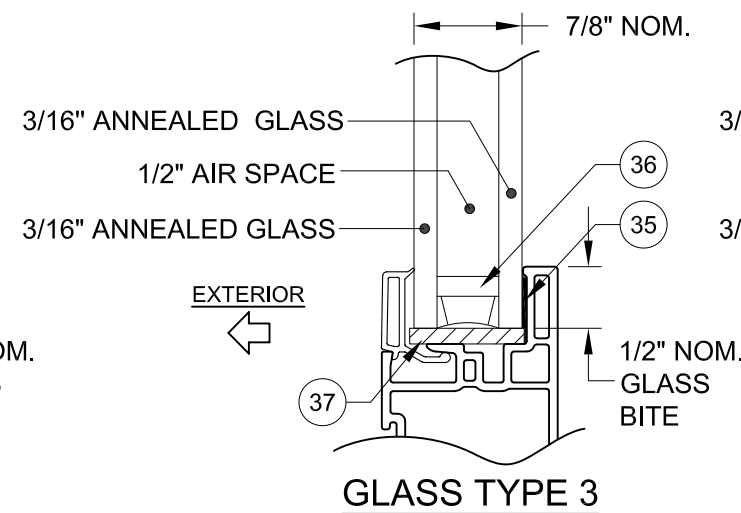
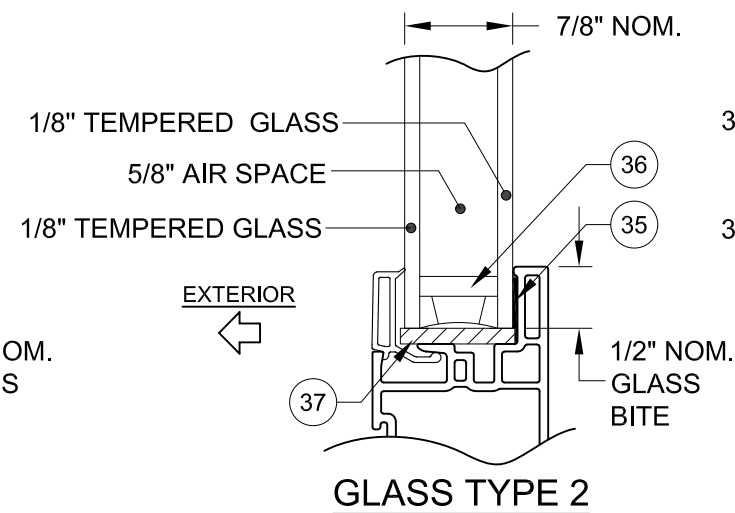
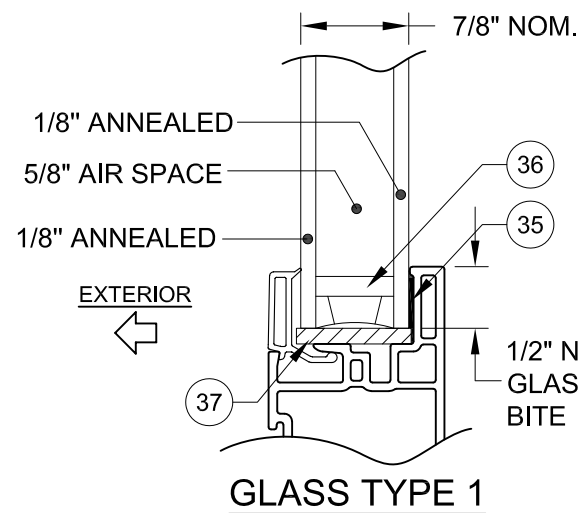


XOX BUCK ANCHORAGE DETAIL

TABLE 7:

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.



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

REGISTRATION #29296

COPYRIGHT © 2023
NEWSOUTH WINDOW SOLUTIONS
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING

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

9000 SERIES HORIZ. ROLLER
MODELS 9500 & 9500-3, NI

WOOD BUCK INSTALLATION &
GLASS TYPES

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

BY:	LY	SB	JR
REVISION:	MINOR EDITORIAL UPDATES	ADD 995 SILICONE TO BOM	CORRECTION IN TABLE 1
DATE:	12/22	8/16/23	11/14/23
#:	1	2	A

DATE: 12/14/2022

SCALE: NTS

BY: LOGAN YODER

DRAWING # :
HR9000-FPA-NI

SHEET: 7 OF 7