

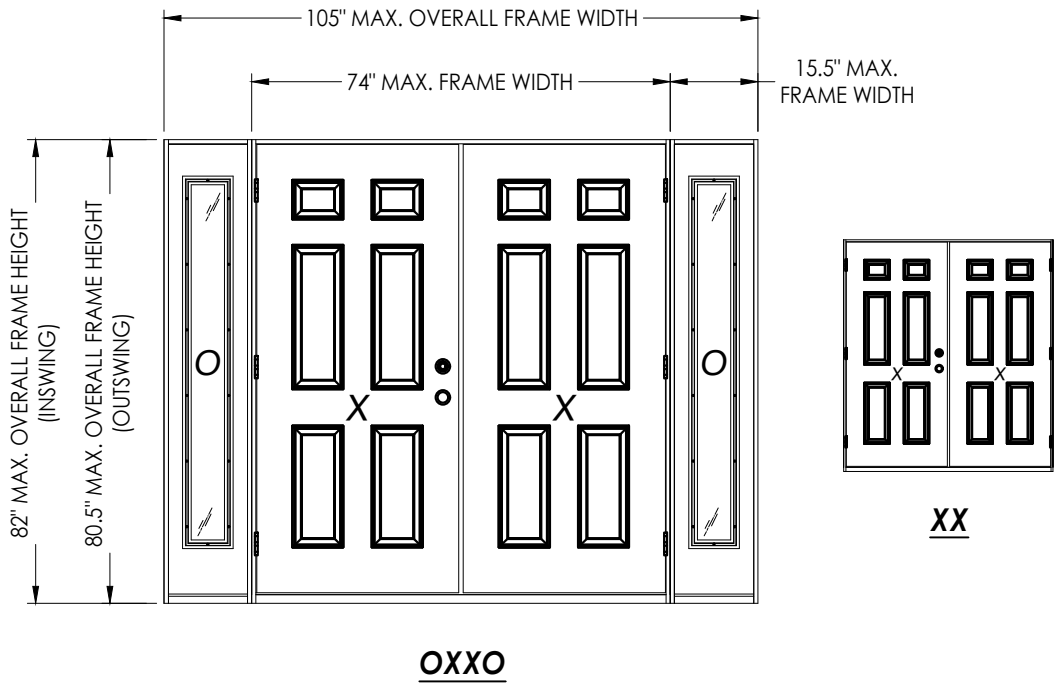
TRIMLITE

OPAQUE FIBERGLASS ENTRY DOORS
DOUBLE w/ or w/out SIDELITES
INSWING/OUTSWING
"IMPACT"

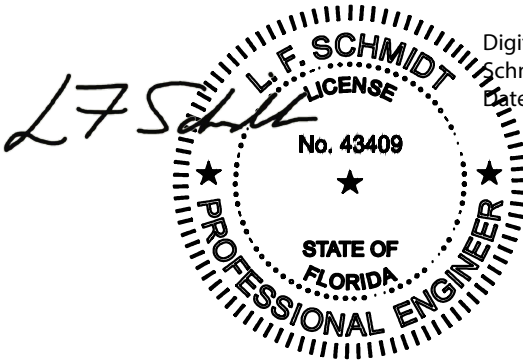
GENERAL NOTES

- This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
 - Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
 - When used in areas requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 3 as defined in ASTM E1996.
 - For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 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	SHEET #	
1	Typical Elevations, Design Pressures & General Notes	8	Horizontal & Vertical Cross Sections (1X Buck)
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5	Elevations	12	Frame Anchoring & Hardware Details
6	Horizontal Cross Sections	13	Bill of Materials & Components
7	Horizontal & Vertical Cross Sections (2X Buck)		



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 82.0"	+50.0	-50.0	+50.0	-50.0
OXXO	105.0" x 82.0"	+50.0	-50.0	+50.0	-50.0

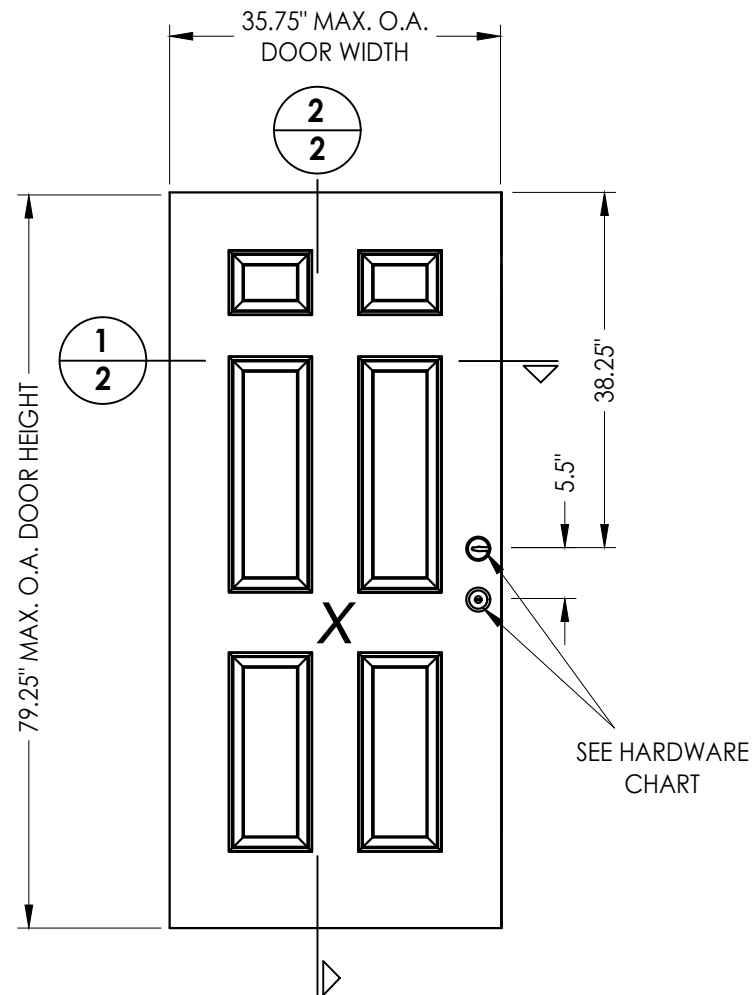


Digitally signed by Lyndon F Schmidt
Date: 2026.07.20 09:49:29 -04'00'

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

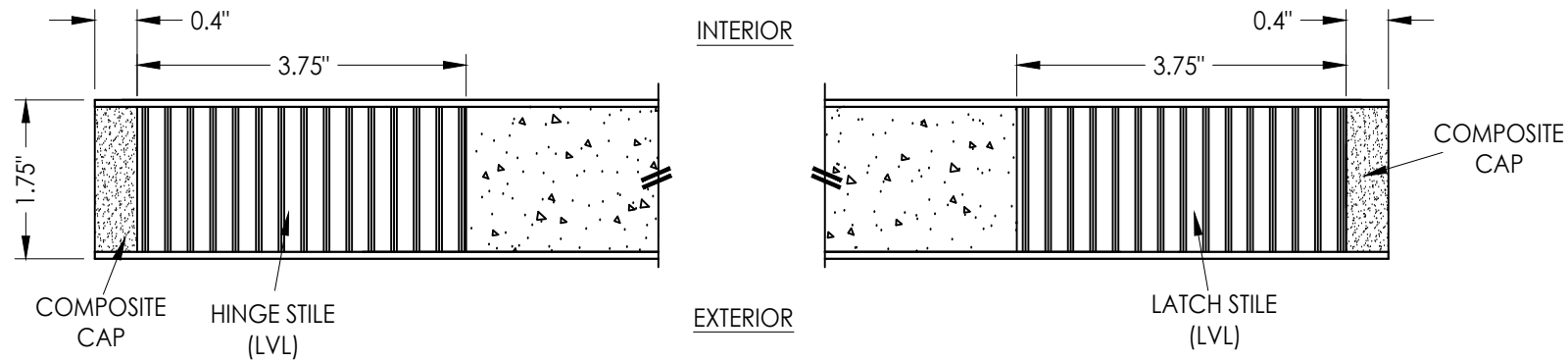
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: TRIMLITE FIBERGLASS DOOR		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
		LFS	BY
		UPDATE TO 9TH ED. (2026) FBC	
		REVISE FOR NEW TESTING	
		NO. DATE	
		2 7/01/26	
		1 4/21/25	
REVISIONS			
DATE: 4/02/25			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46830.3			
SHEET 1 OF 13			



40 FIBERGLASS DOOR PANEL

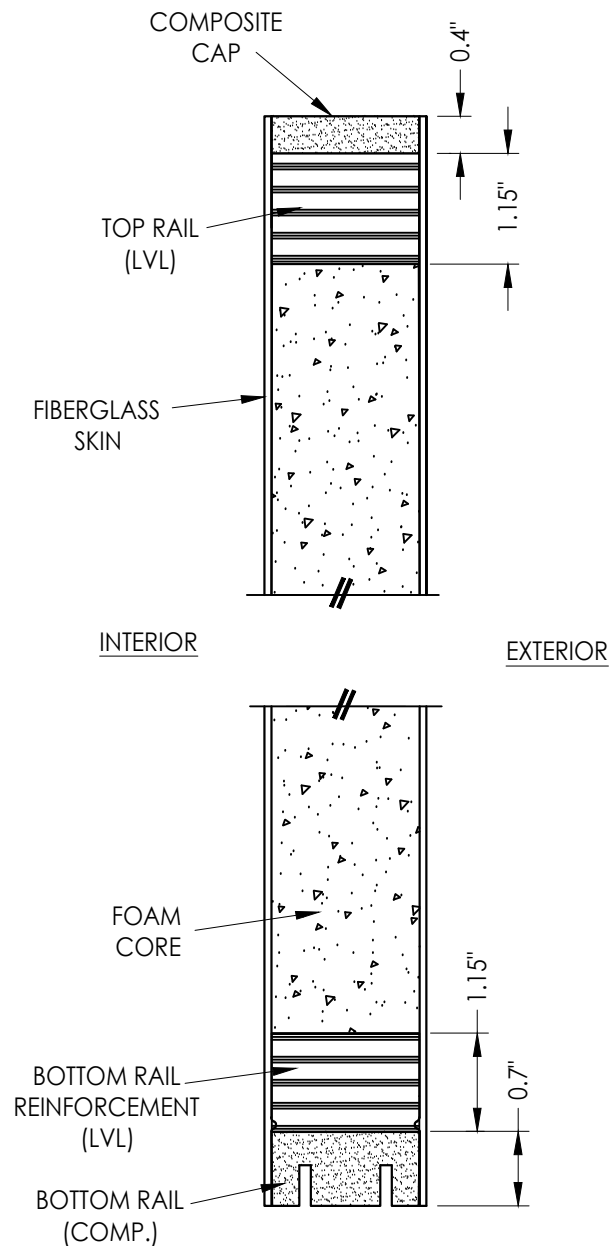
BUILDERS HARDWARE

FIBERGLASS DOOR SKIN: MIN. 0.080" THK.
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)



1 HORIZONTAL CROSS SECTION

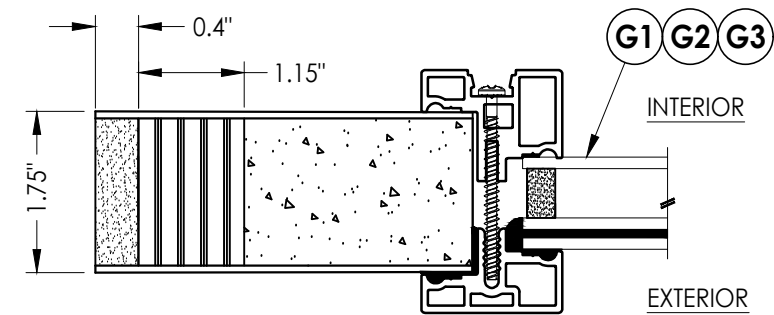
HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)	
SCHLAGE	KNOB: F51 DEADBOLT: B60N	
YALE	KNOB: YE SERIES DEADBOLT: YE SERIES	



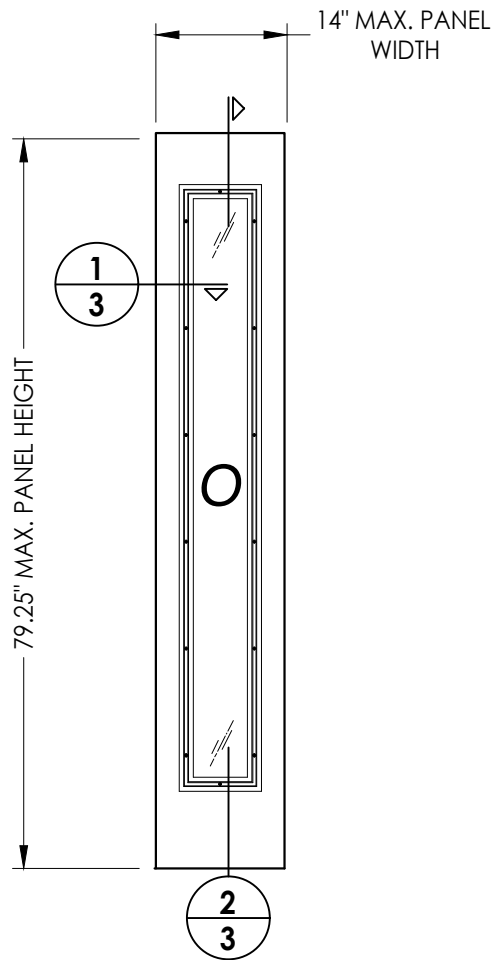
2 VERTICAL CROSS SECTION

DATE: 4/02/25		PRODUCT: TRIMLITE FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: DOOR PANEL DETAILS		<i>R^gW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: LFS		UPDATE TO 9TH ED. (2026) FBC LFS			
CHK. BY: RW		REVISE FOR NEW TESTING LFS			
DRAWING NO.: FL-46830.3		NO. DATE BY			
SHEET 2 OF 13		REVISIONS			

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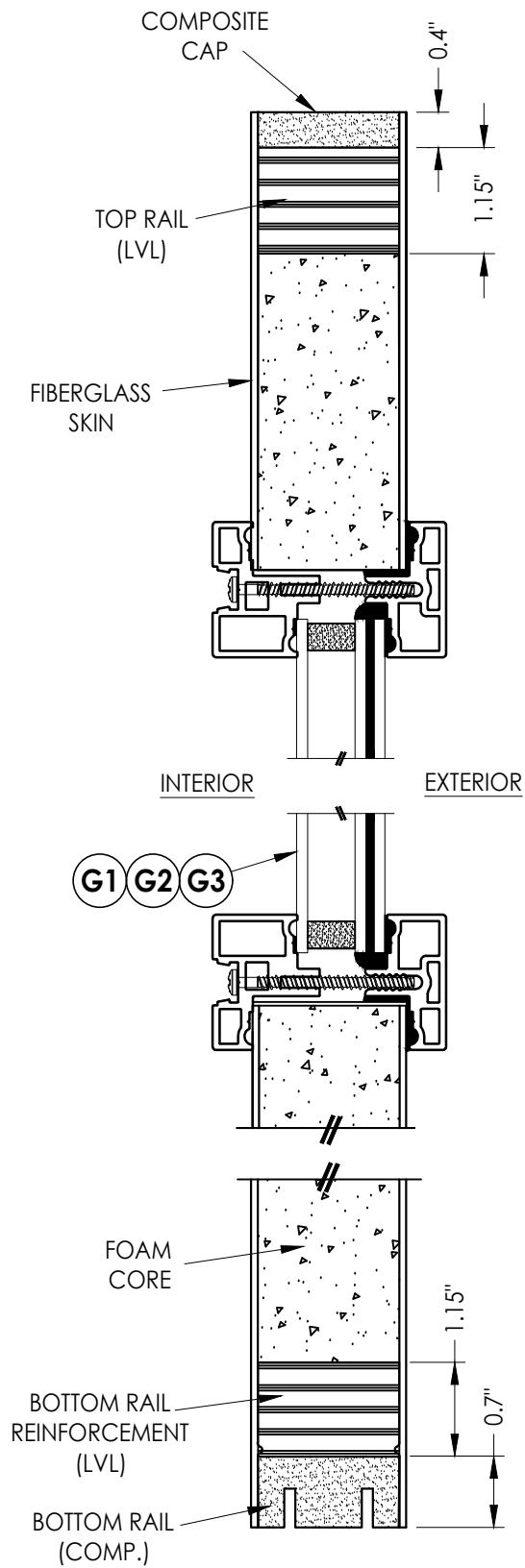


1
3 HORIZONTAL CROSS SECTION



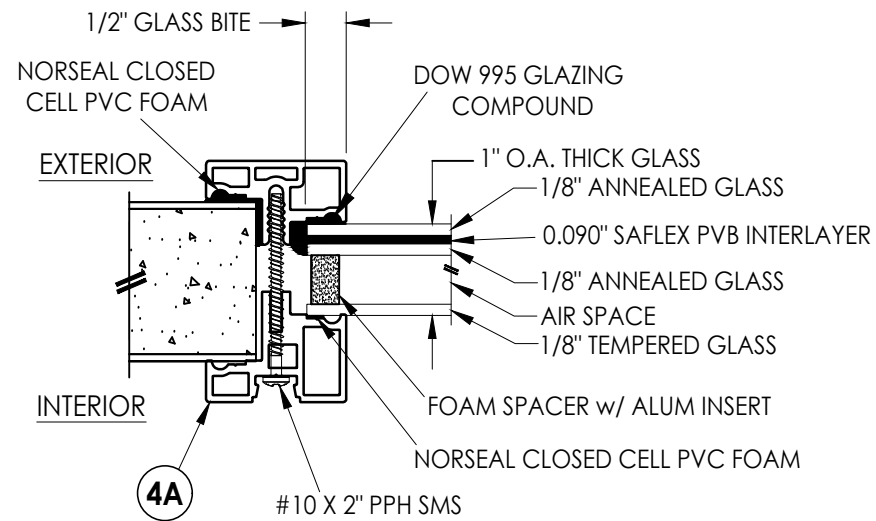
50 FIBERGLASS SIDELITE PANEL
BUILDERS HARDWARE

FIBERGLASS SKIN: 0.110"
FOAM CORE: POLYURETHANE (1.9 PCF MIN.)

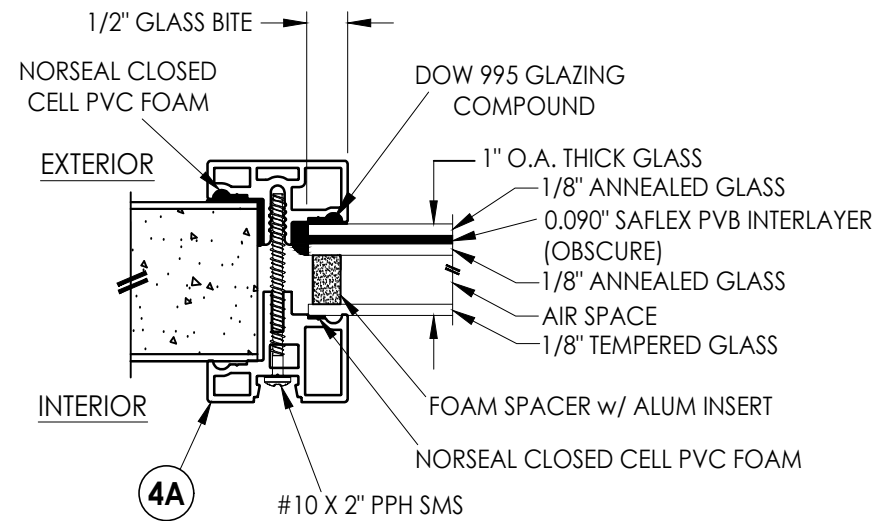


3
3 VERTICAL CROSS SECTION

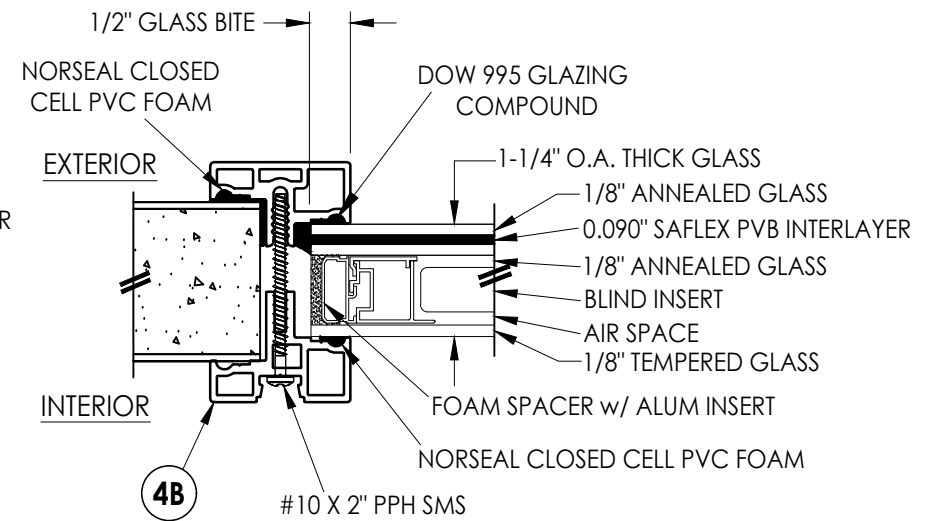
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: TRIMLITE FIBERGLASS DOOR		PART OR ASSEMBLY: SIDELITE PANEL DETAILS	
		LFS	
		FBC	
2	7/01/26	UPDATE TO 9TH ED. (2026)	
1	4/21/25	REVISE FOR NEW TESTING	
NO.	DATE		BY
REVISIONS			
DATE: 4/02/25			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46830.3			
SHEET 3 OF 13			



G1 **GLAZING DETAIL**
CLEAR GLASS



G2 **GLAZING DETAIL**
OBSCURE GLASS



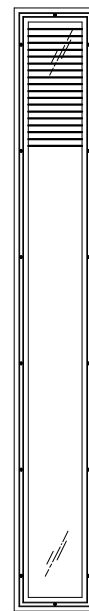
G3 GLAZING DETAIL BLINDS BETWEEN GLASS



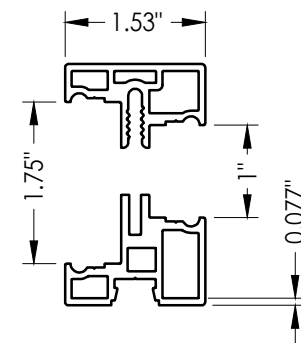
G1 **GLAZING DETAIL**
CLEAR GLASS



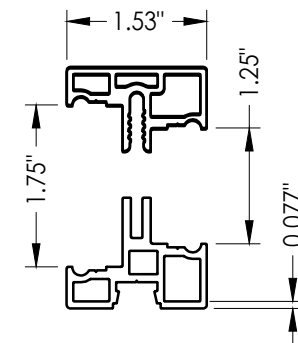
G2 **GLAZING DETAIL**
OBSCURE GLASS



G3 GLAZING DETAIL BLINDS BETWEEN GLASS

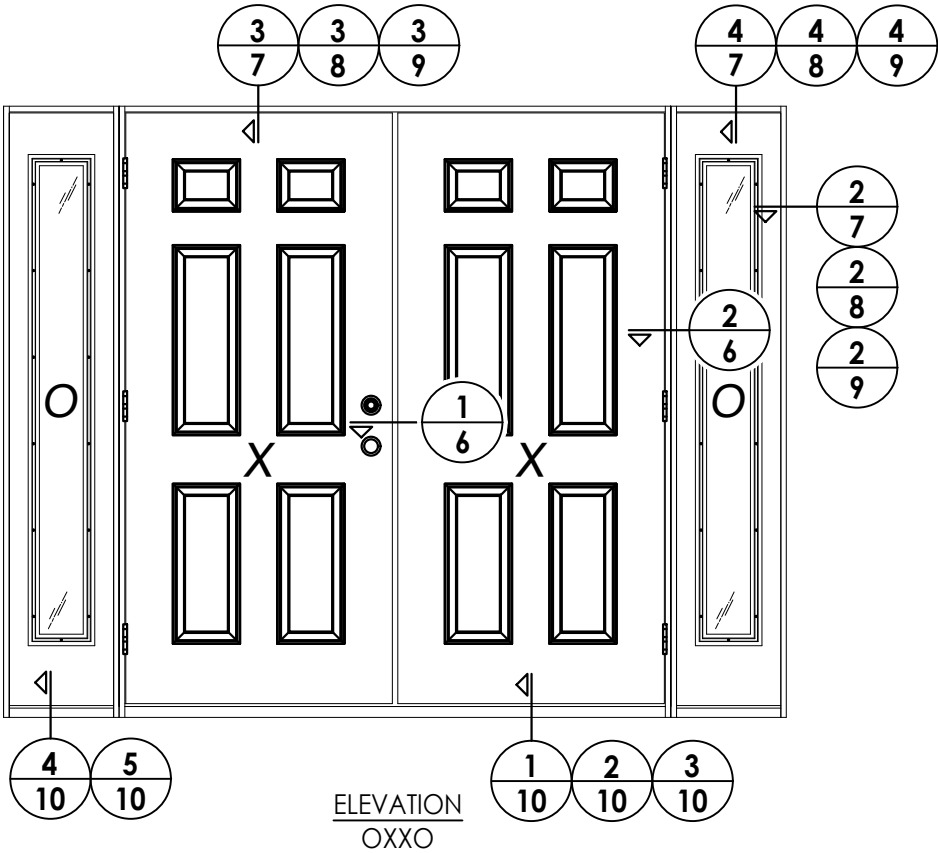
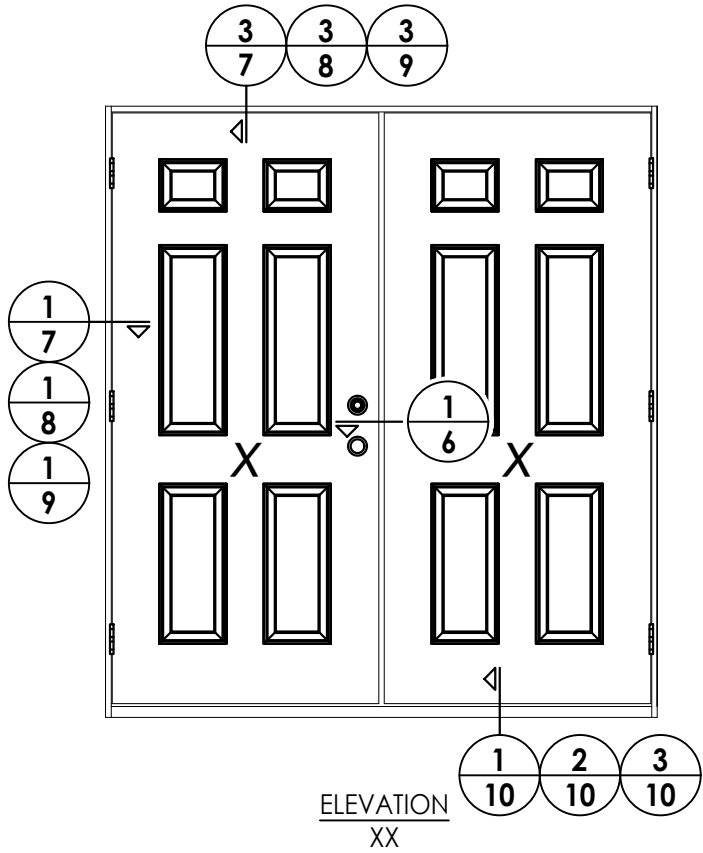


4A TRIMLITE "STORM SERIES"
IMPACT ALUMINUM LITE FRAME
1" GLAZING



4B TRIMLITE "STORM SERIES"
IMPACT ALUMINUM LITE FRAME
1-1/4" GLAZING

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: TRIMLITE FIBERGLASS DOORS		PART OR ASSEMBLY: LITE FRAME & GLAZING DETAILS	
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
1	4/21/25	REVISE FOR NEW TESTING	LFS
NO.	DATE		BY
REVISIONS			
DATE: 6/18/24			
SCALE: N.T.S.			
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.: FL-46830.3			
SHEET	4	OF	13

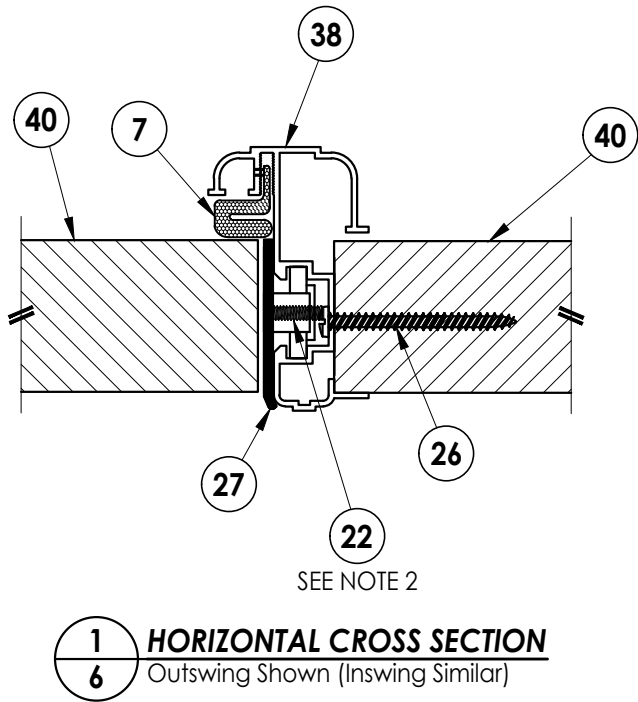


DATE: 4/02/25				DRAWING NO.: FL-46830.3		CHK. BY: RW		DWG. BY: LFS		SCALE: N.T.S.		SHEET 5 OF 13	
2				7/01/26		UPDATE TO 9TH ED. (2026)		FBC		LFS		PART OR ASSEMBLY: ELEVATIONS	
1				4/21/25		REVISE FOR NEW TESTING		LFS		BY		PRODUCT: TRIMLITE FIBERGLASS DOOR	
NO				DATE		REVISIONS						Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
												R.W. BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	

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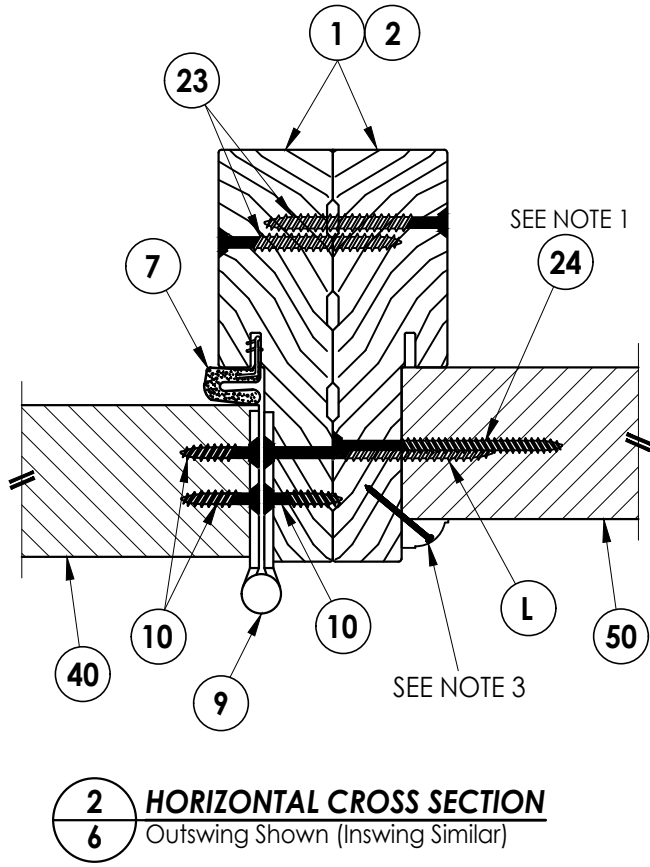
Notes:

1. Sidelite assembly screws located 4" from each end and 5 more screws equally spaced between (7 screws total per side jamb).
2. Latch & deadbolt strike plate machine screws installed through strike plate into astragal plastic receiver.
3. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.



INTERIOR

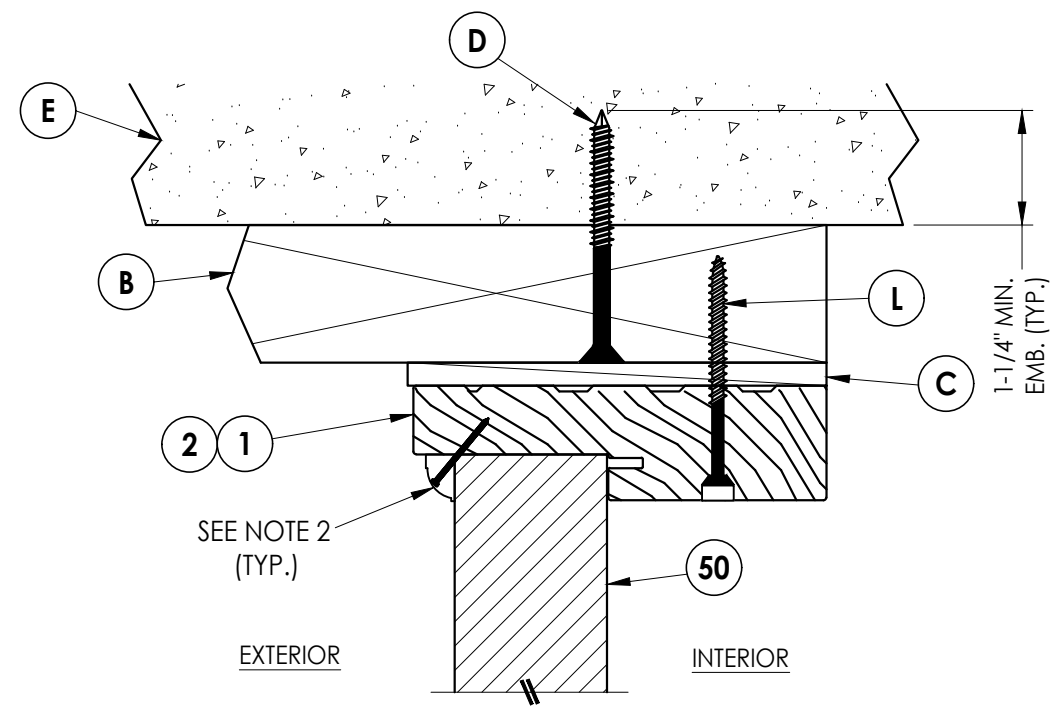
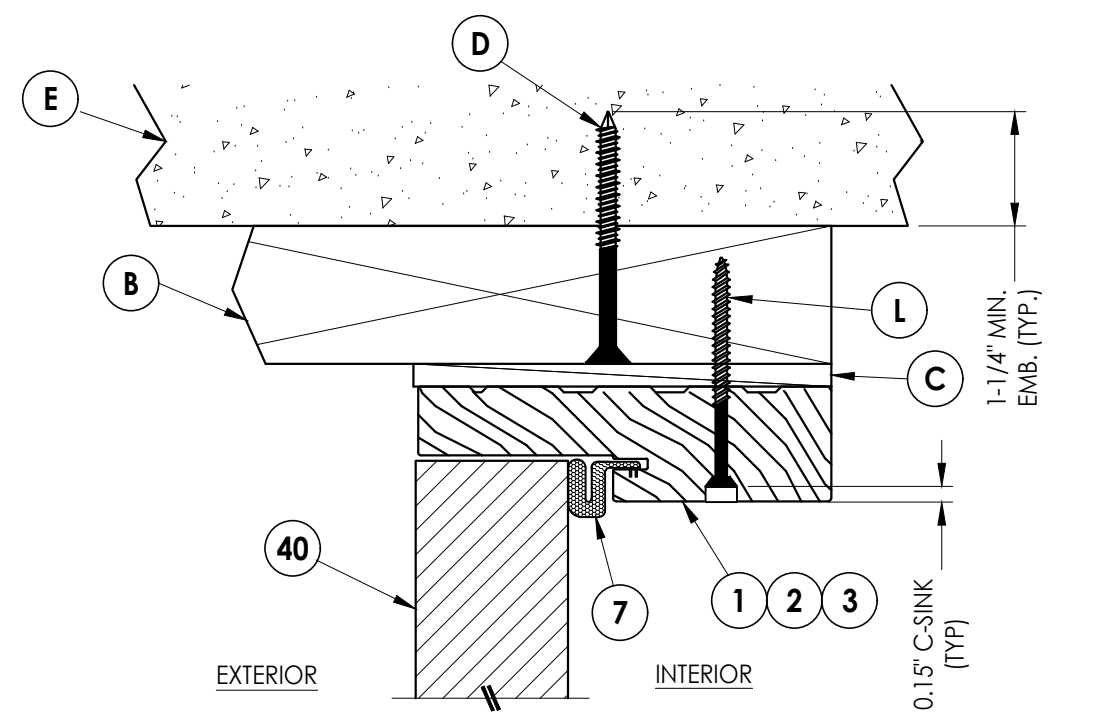
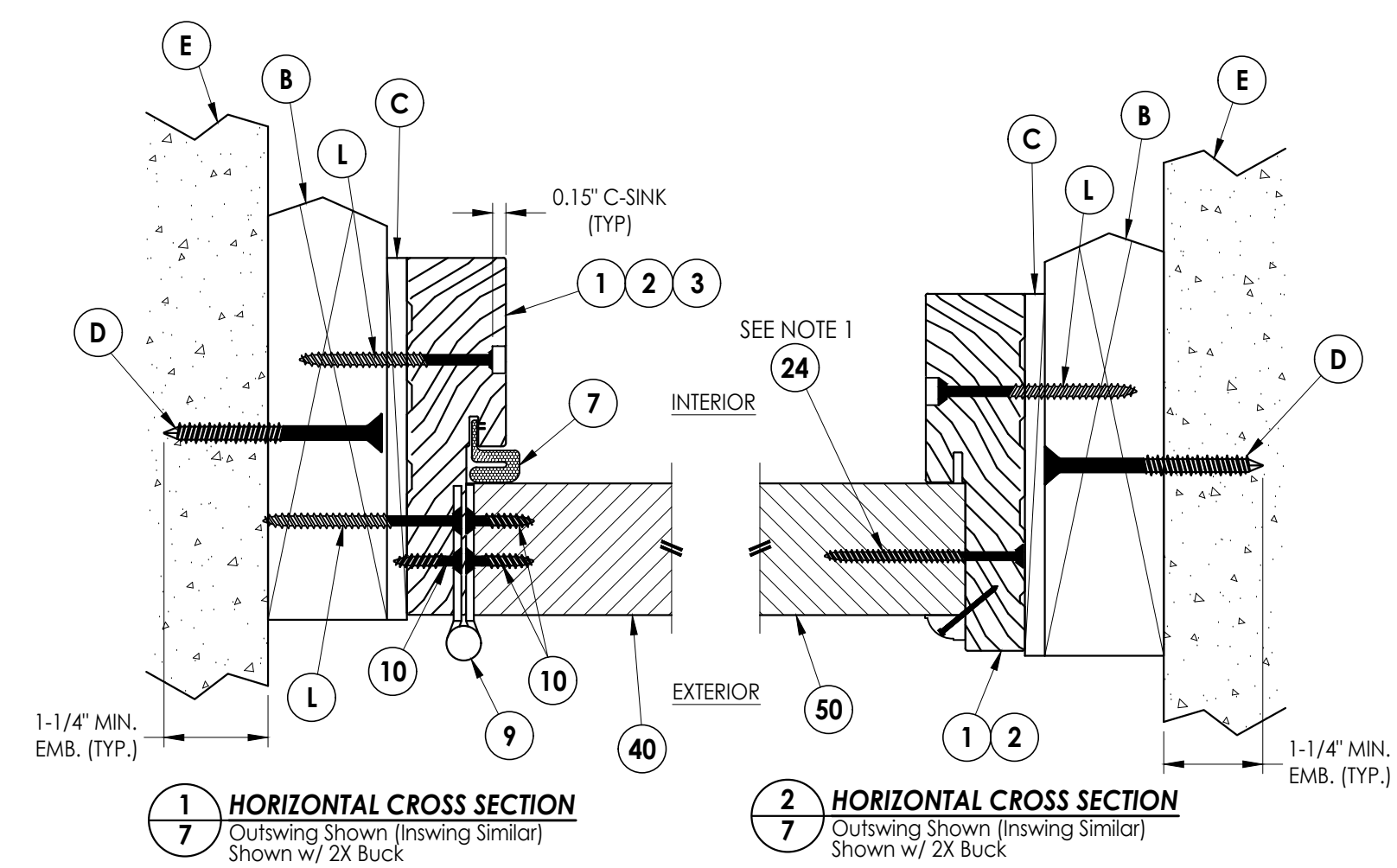
EXTERIOR



Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				R.W. BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: TRIMLITE FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS					
				2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
				1	4/21/25	REVISE FOR NEW TESTING	LFS
				NO.	DATE		BY
				REVISIONS			
DATE: 4/02/25							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46830.3							
SHEET 6 OF 13							

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- Notes:
- 1. Sidelite assembly screws located 4" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
 - 2. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

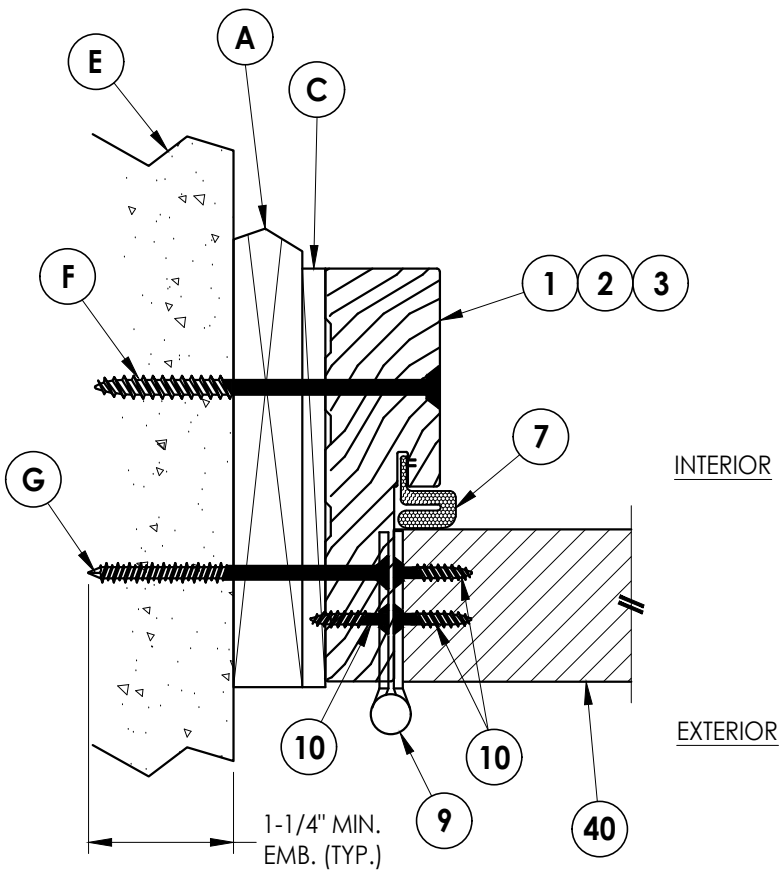


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: TRIMLITE FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
		LFS	BY
		LFS	
		DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC	
1	4/21/25	REVISE FOR NEW TESTING	
DATE: 4/02/25			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46830.3			
SHEET 7 OF 13			

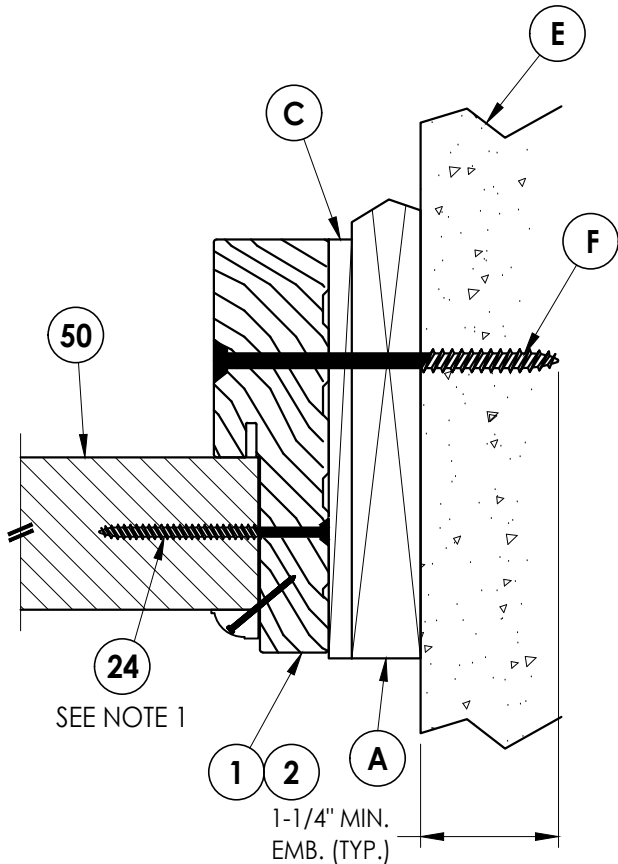
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Notes:

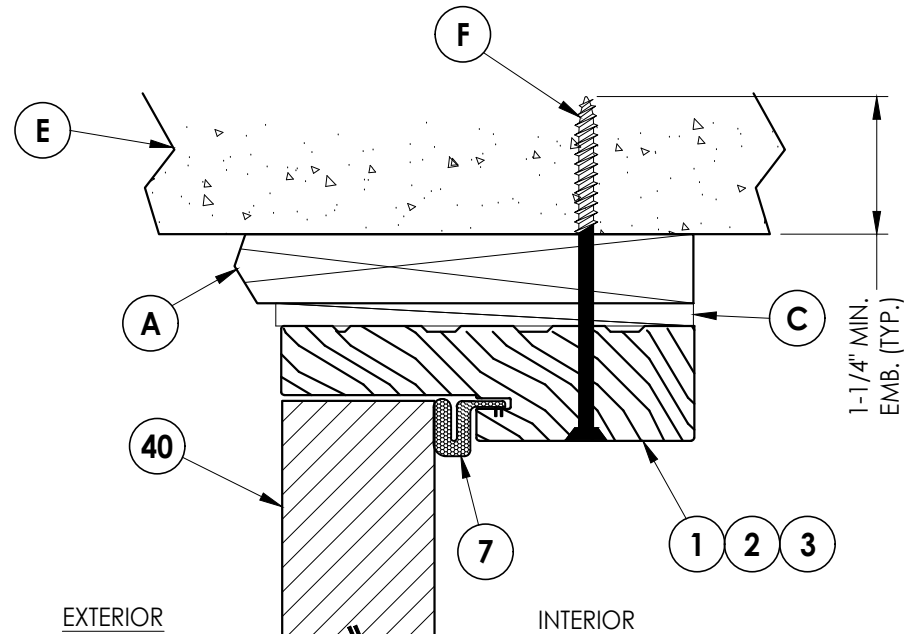
1. Sidelite assembly screws located 4" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
2. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.



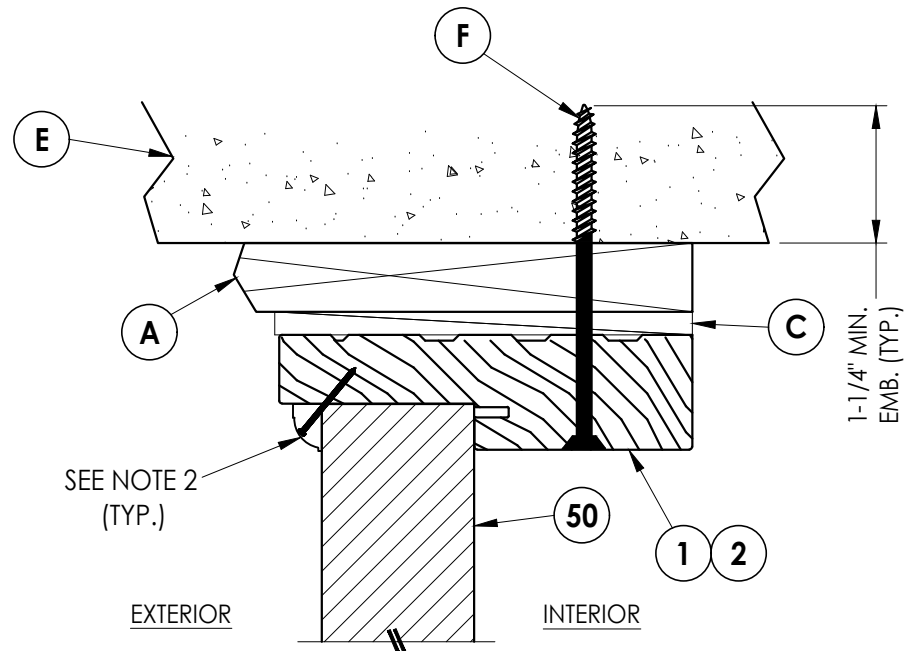
1
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



2
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



3
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



4
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck

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:	TRIMLITE FIBERGLASS DOOR
PART OR ASSEMBLY:	HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC
1	4/21/25	REVISE FOR NEW TESTING

DATE: 4/02/25

SCALE: N.T.S.

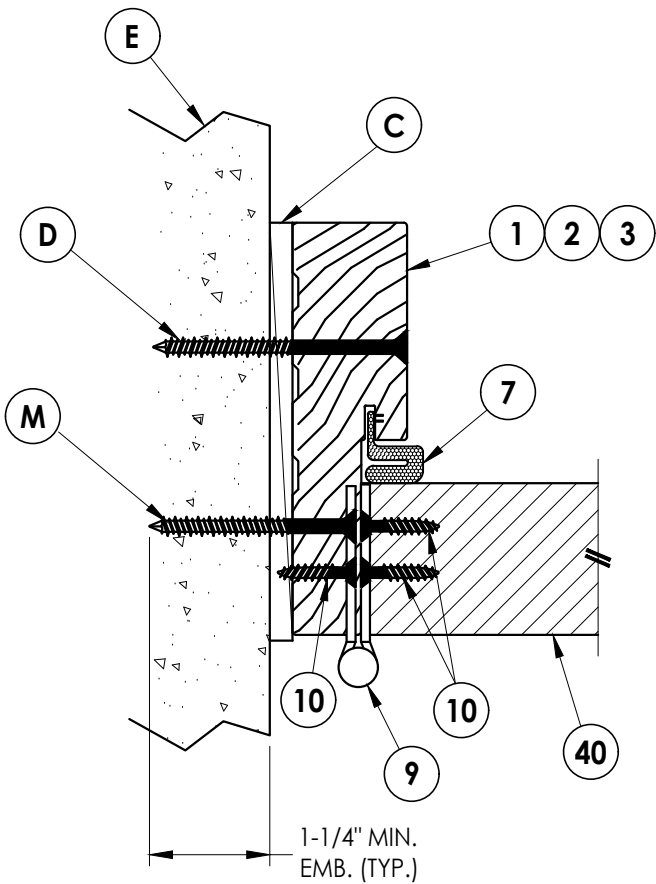
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CHK. BY: RW

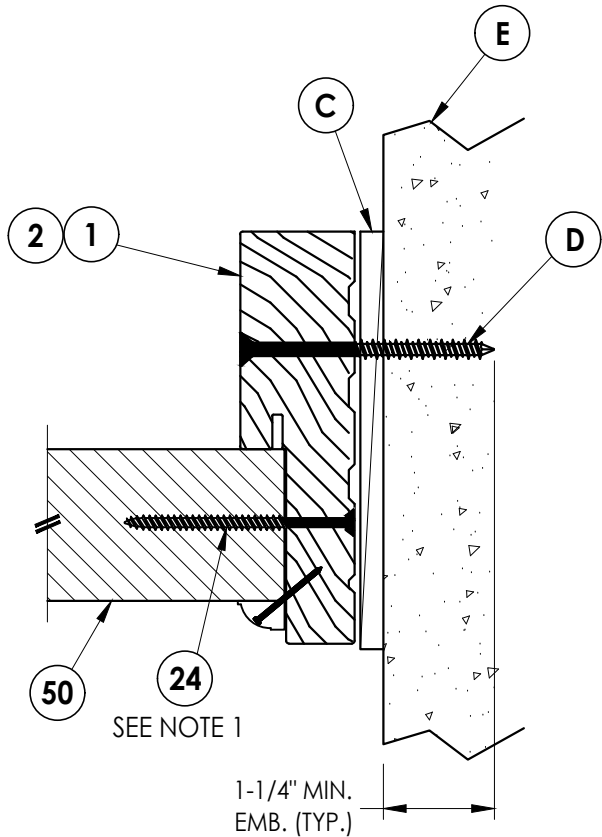
DRAWING NO.:
FL-46830.3

SHEET 8 OF 13

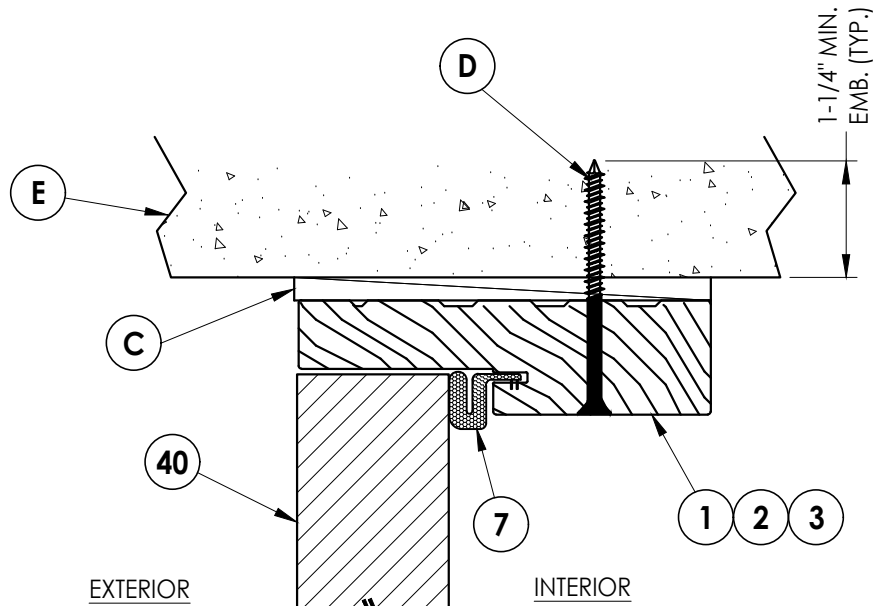
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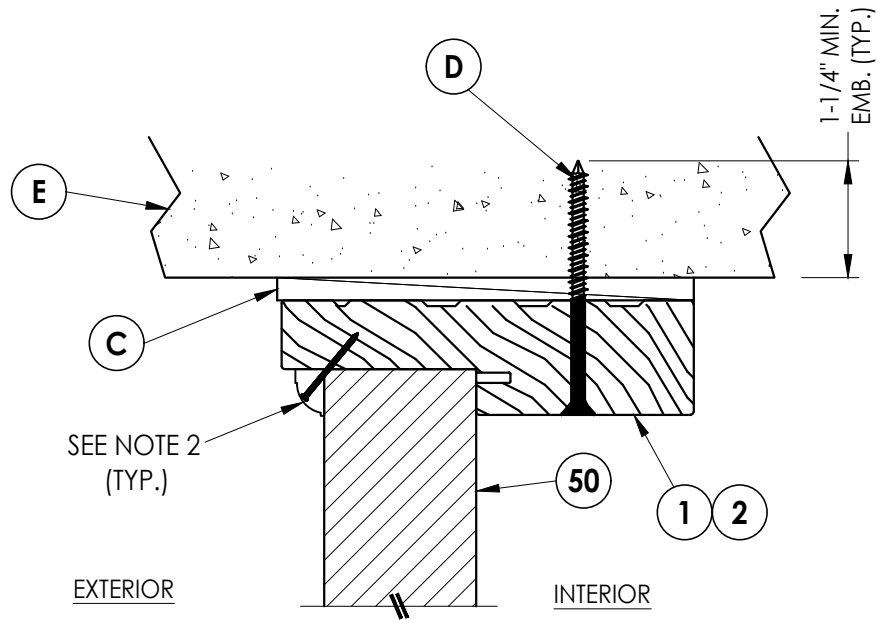
1 HORIZONTAL CROSS SECTION
9 Outswing Shown (Inswing Similar)
Shown Direct to Masonry



2 HORIZONTAL CROSS SECTION
9 Outswing Shown (Inswing Similar)
Shown Direct to Masonry



3 VERTICAL CROSS SECTION
9 Outswing Shown (Inswing Similar)
Shown Direct to Masonry



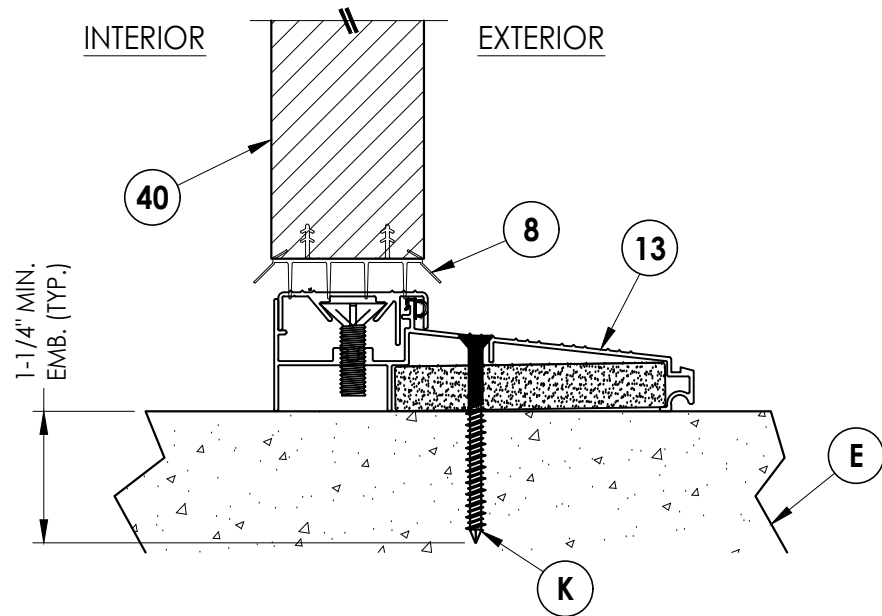
4 VERTICAL CROSS SECTION
9 Outswing Shown (Inswing Similar)
Shown Direct to Masonry

Notes:

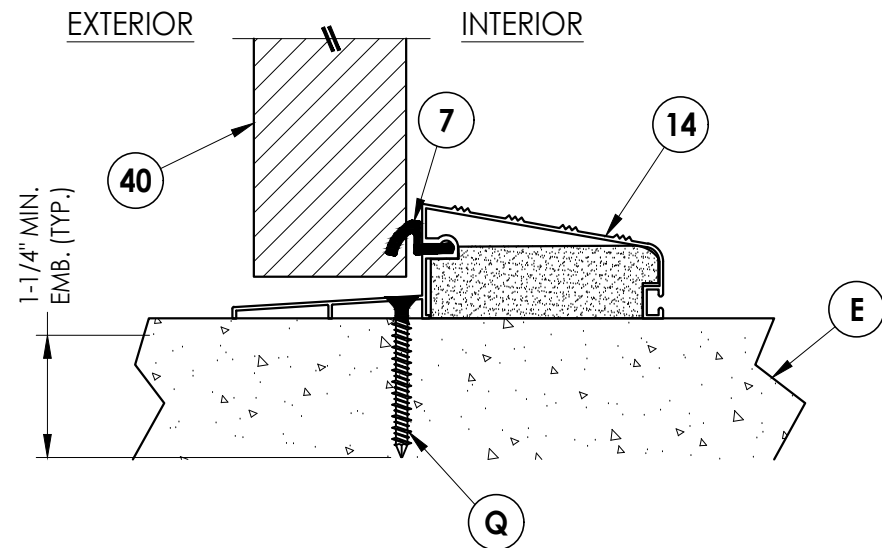
1. Sidelite assembly screws located 4" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
2. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

Documents Prepared By:		Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT:		TRIMLITE FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	
				REVISIONS	
				DATE: 4/02/25	
				SCALE: N.T.S.	
				DWG. BY: LFS	
				CHK. BY: RW	
				DRAWING NO.: FL-46830.3	
				SHEET 9 OF 13	
				© 2025 R.W. BUILDING CONSULTANTS INC.	

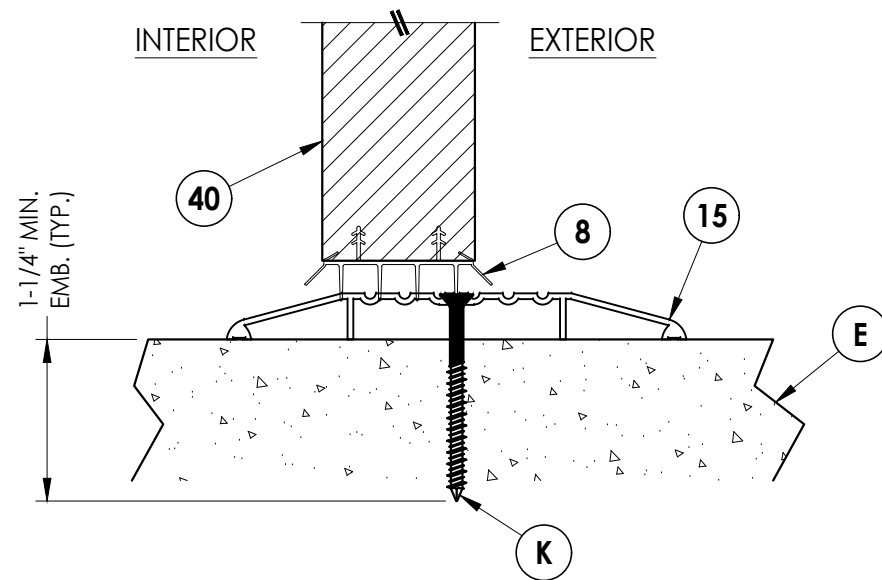
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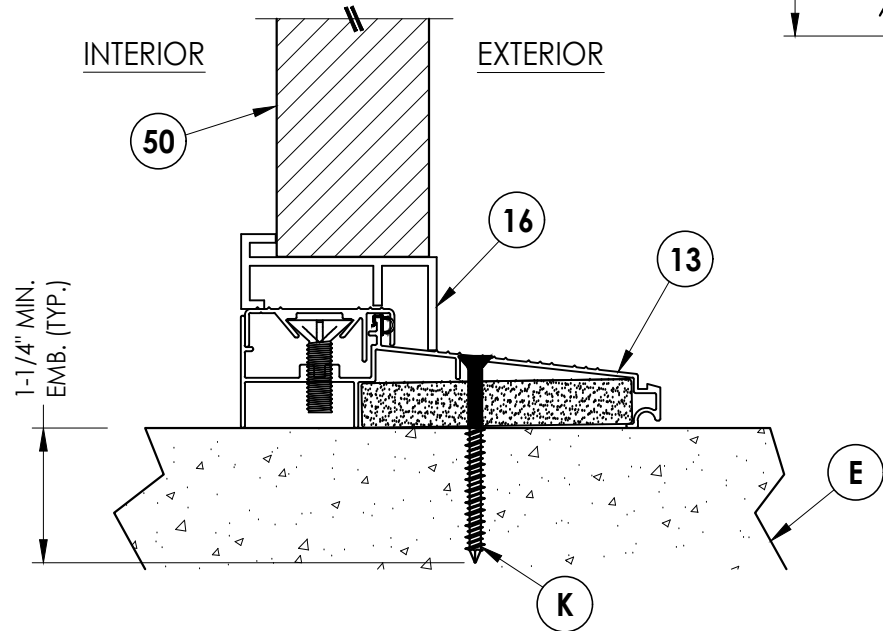
1
10 **VERTICAL CROSS SECTION**
Inswing Threshold



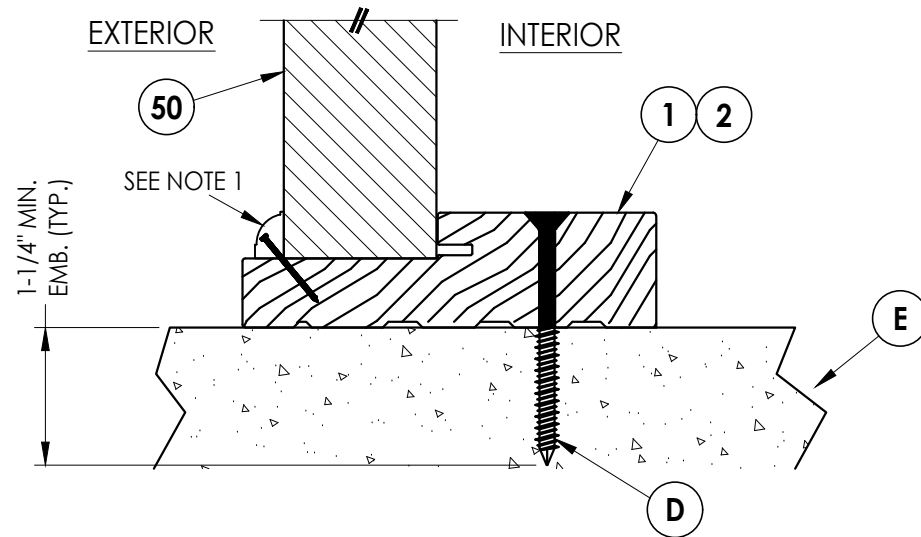
2
10 **VERTICAL CROSS SECTION**
Outswing Threshold



3
10 **VERTICAL CROSS SECTION**
ADA Threshold



4
10 **VERTICAL CROSS SECTION**
Inswing Threshold



5
10 **VERTICAL CROSS SECTION**
Outswing Threshold

Note:
1. PVC Moulding secured w/ 16 GA. X 1" brad nails
located 1" from ends & 10" o.c. max.

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: TRIMLITE
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC
1	4/21/25	REVISE FOR NEW TESTING
NO.	DATE	BY

DATE: 4/02/25

SCALE: N.T.S.

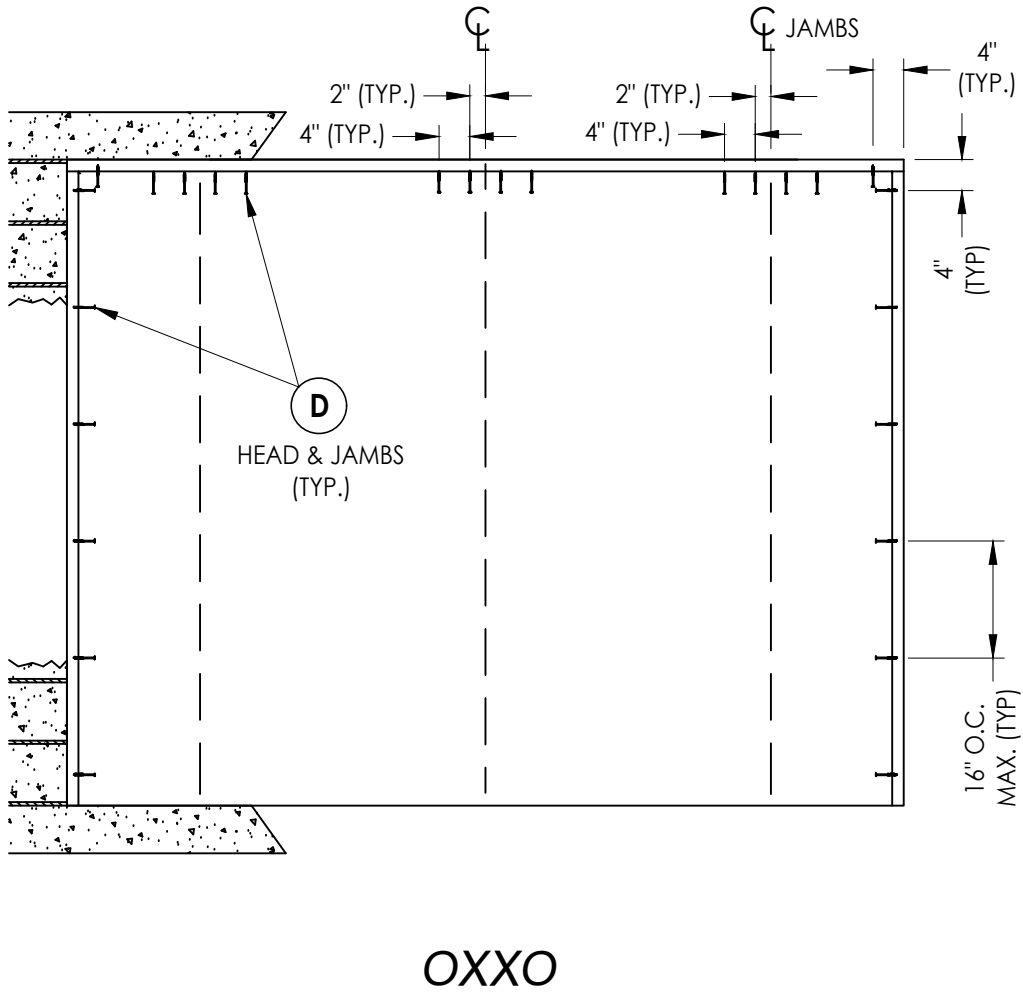
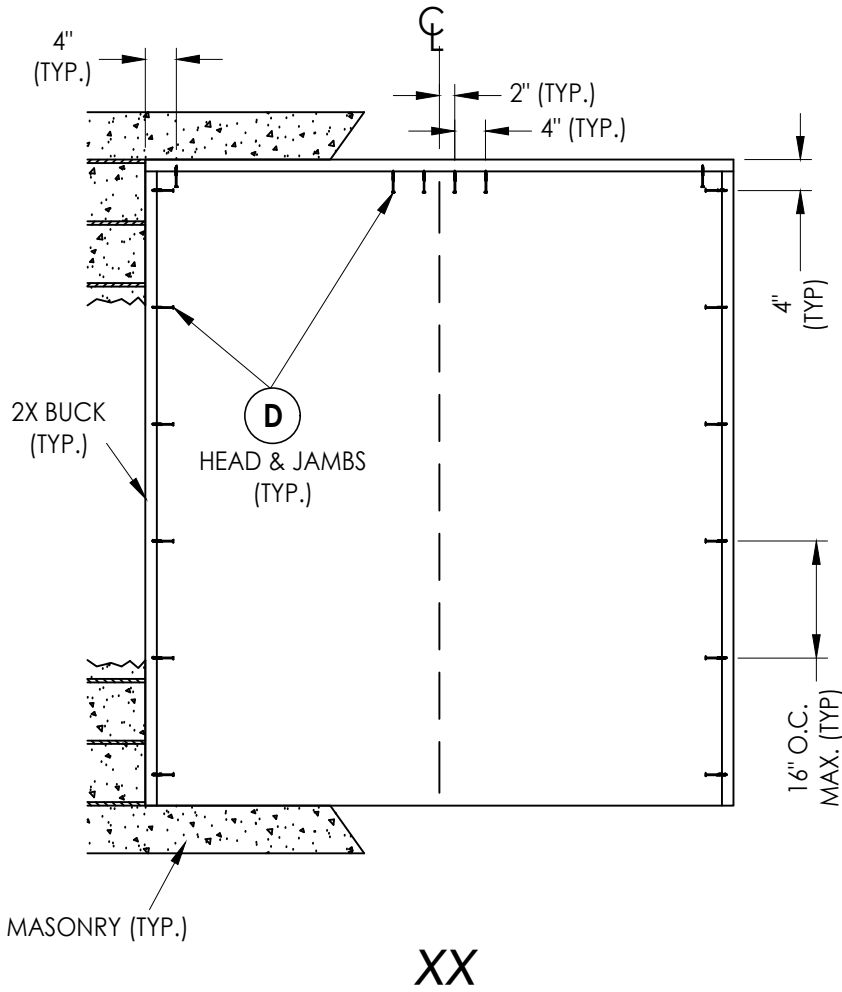
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CHK. BY: RW

DRAWING NO.: FL-46830.3

SHEET 10 OF 13

Z:\2023 FBC Drawings\Trimlite\FL-46830 R3\FL-46830.3.dwg



2X BUCK ANCHORING

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813				
PRODUCT: TRIMLITE FIBERGLASS DOOR		PART OR ASSEMBLY: BUCK ANCHORING						
				2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
				1	4/21/25	REVISE FOR NEW TESTING		LFS
				NO.	DATE			BY
				REVISIONS				
DATE: 4/02/25								
SCALE: N.T.S.								
DWG. BY: LFS								
CHK. BY: RW								
DRAWING NO.: FL-46830.3								
SHEET 11 OF 13								

9.38" FROM TOP OF FRAME

31" O.C. (TYP.)

SEE HINGE DETAIL (TYP.)

HINGE JAMB

4" (TYP.)

3" (TYP.)

6" (TYP.)

14" O.C. MAX. (TYP.)

SEE ASTRAGAL STRIKE DETAILS

SEE ASTRAGAL STRIKE DETAILS

XX

L 2X BUCK

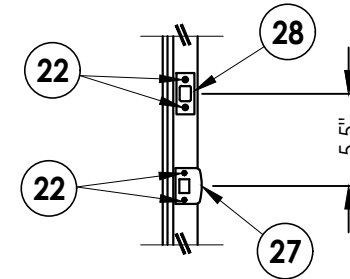
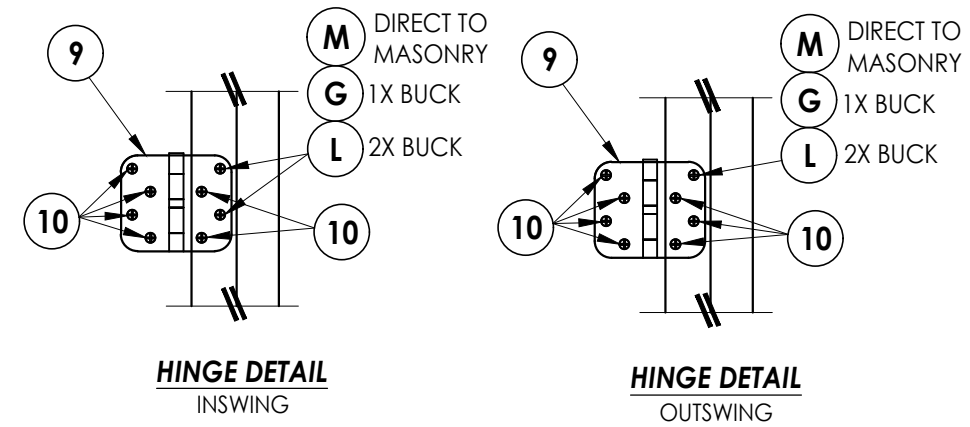
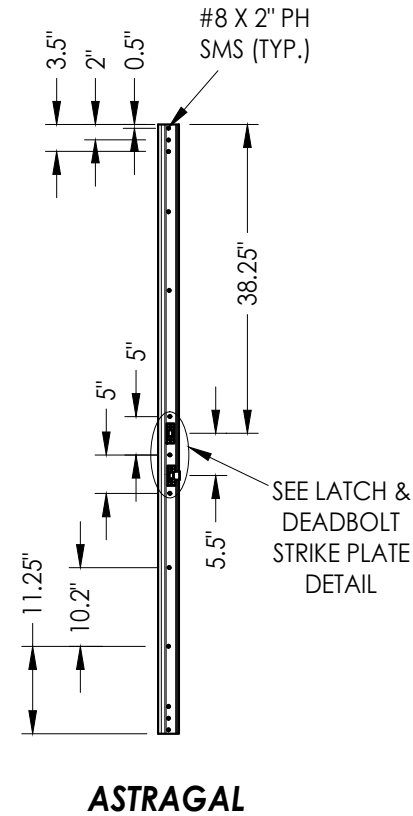
F 1X BUCK

D DIRECT TO MASONRY HEAD & JAMBS (TYP.)

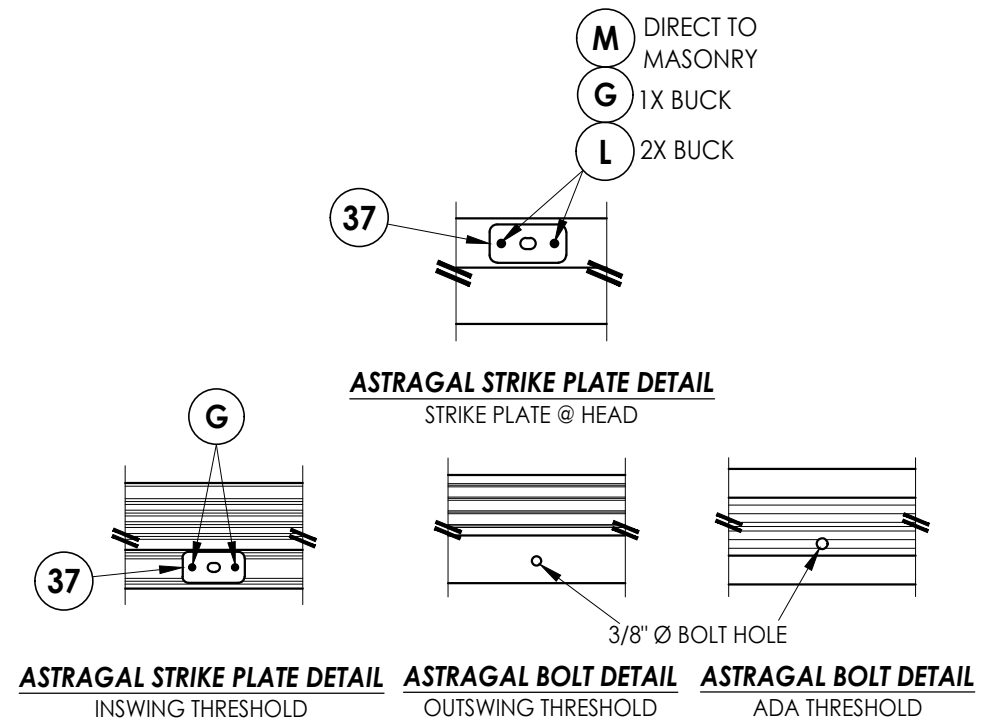
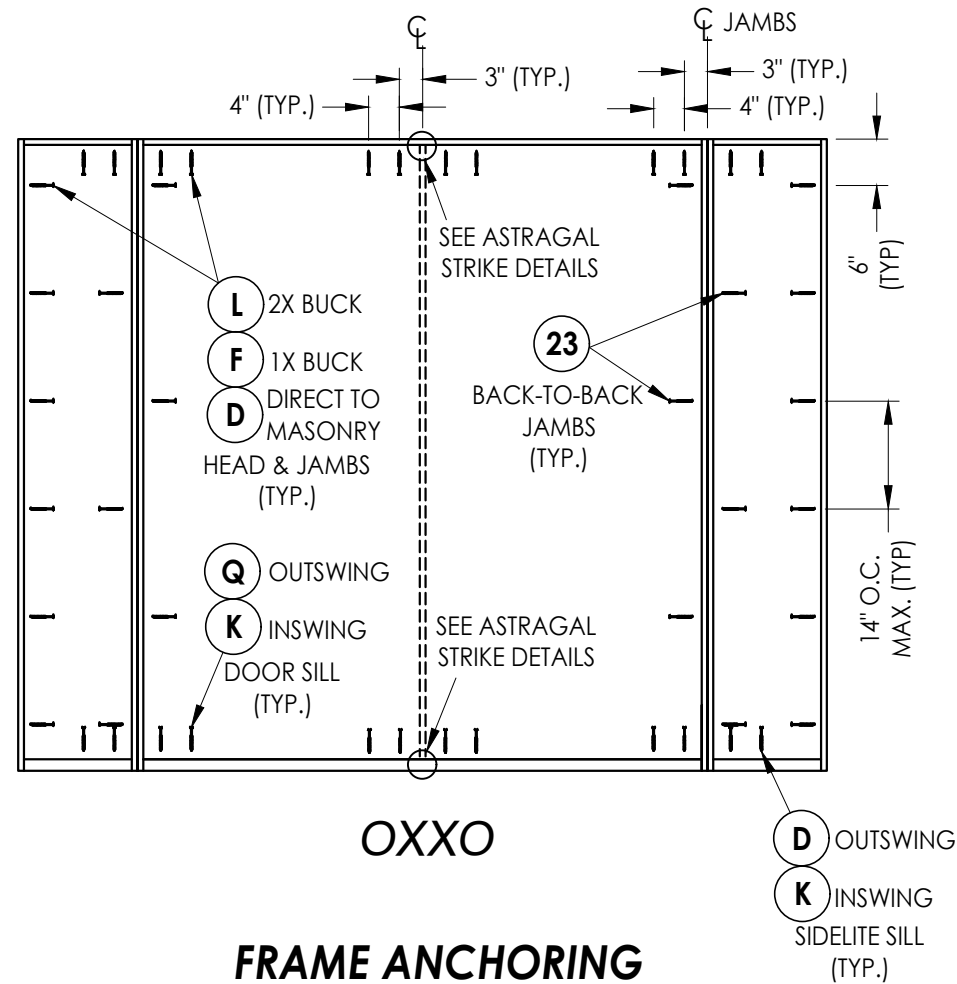
Q OUTSWING

K INSWING

DOOR SILL (TYP.)



LATCH & DEADBOLT STRIKE PLATE DETAILS



HARDWARE DETAILS

[illegible]

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
K	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
Q	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	WOOD JAMB (FINGER JOINTED PINE)	WOOD
2	COMPOSITE JAMB	COMP
3	POLY FIBER JAMB	COMP
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#9 X 3/4" PFH WOOD SCREW	STEEL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
15	ADA THRESHOLD	ALUM
16	INSWING SIDELITE ADAPTER	PVC
22	#8 X 5/8" FH MACHINE SCREW	STEEL
23	#8 X 2" FH SMS	STEEL
24	#8 X 2-1/2" PFH DEEP THREAD WOOD SCREW	STEEL
26	#8 X 2" PH SMS	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
37	ASTRAGAL STRIKE PLATE (1.19" X 3.25" X 0.075" THICK)	STEEL
38	ALUMINUM ASTRAGAL	ALUM
40	DOOR PANEL	-
50	SIDELITE PANEL	-

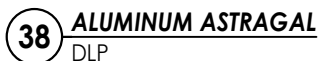
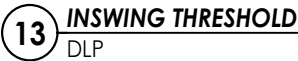
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. 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 BUILDDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®	1/4"	1-1/4"	1"	4"

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



FOR USE ON DOUBLE DOOR
w/out SIDELITES ONLY



BUILDING CONSULTANTS, INC.
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R ASSEMBLY:
**BILL OF MATERIALS
& COMPONENTS**

REVISIONS

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