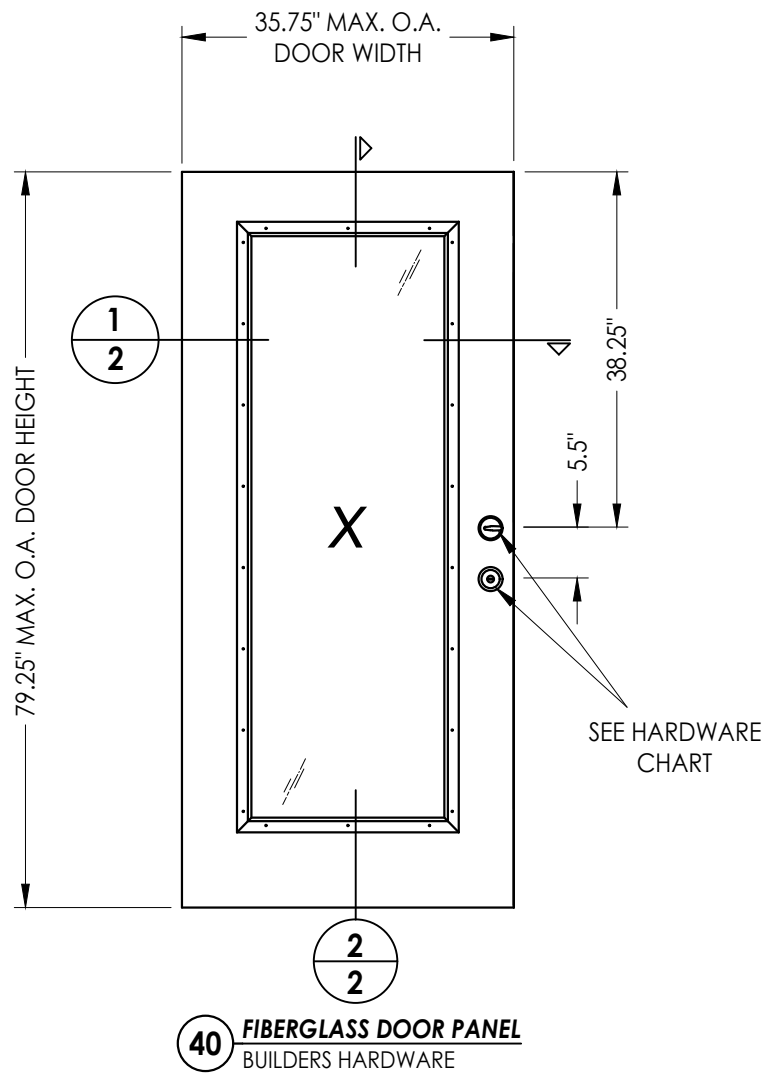
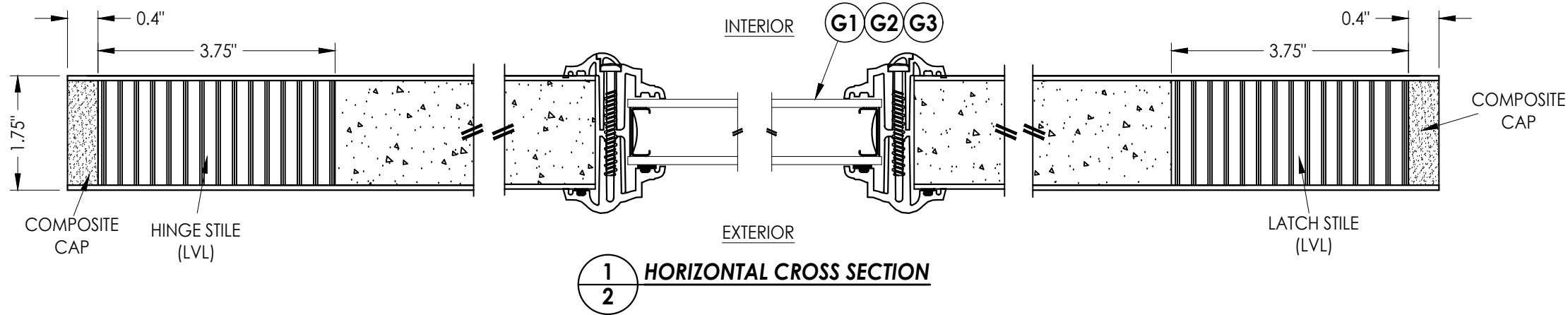




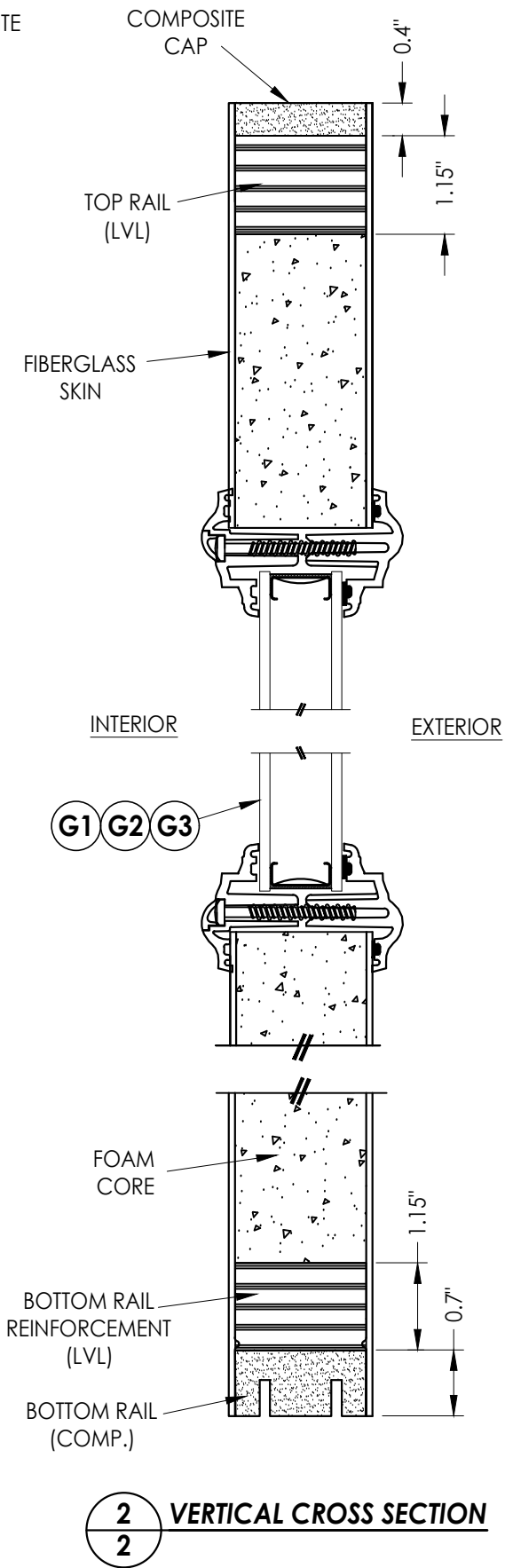
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

G:\2023 FBC Drawings 1.26.26\Trimlite\FL-46831 R2\FL-46831.5.dwg



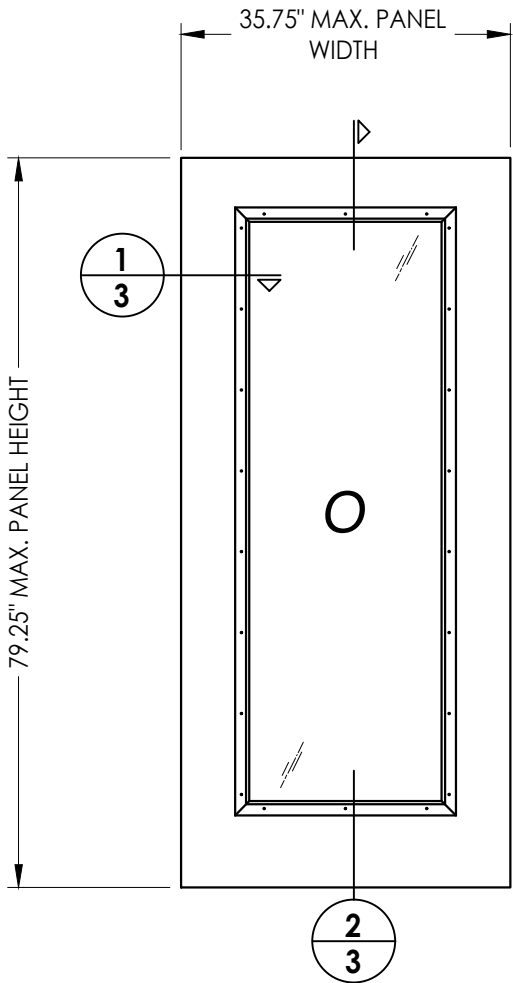
FIBERGLASS DOOR SKIN: MIN. 0.080" THK.
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)

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



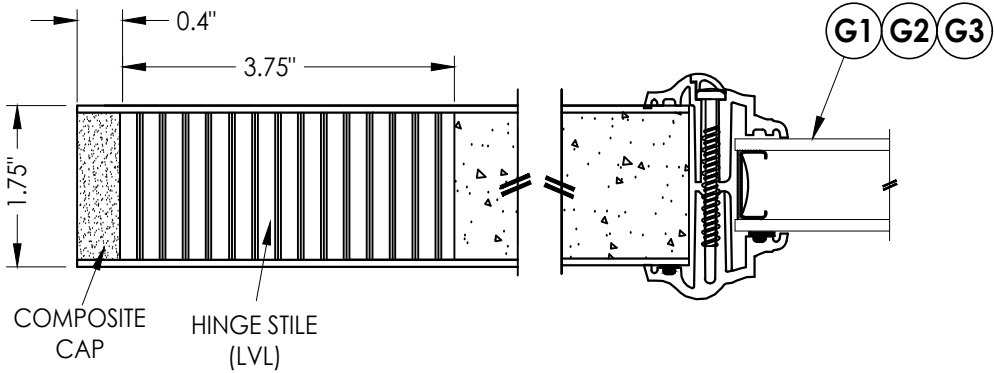
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409			R ^W BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813		
PRODUCT: TRIMLITE FIBERGLASS DOOR			PART OR ASSEMBLY: DOOR PANEL DETAILS		
			LFS	BY	REVISIONS
			LFS		
			2	7/01/26	UPDATE TO 9TH ED. (2026) FBC
			1	4/21/25	REVISE FOR NEW TESTING
			NO.	DATE	
DATE: 6/20/24					
SCALE: N.T.S.					
DWG. BY: LFS					
CHK. BY: RW					
DRAWING NO.: FL-46831.5					
SHEET 2 OF 13					

G:\2023 FBC Drawings 1.26.26\Trimlite\FL-46831 R2\FL-46831.5.dwg

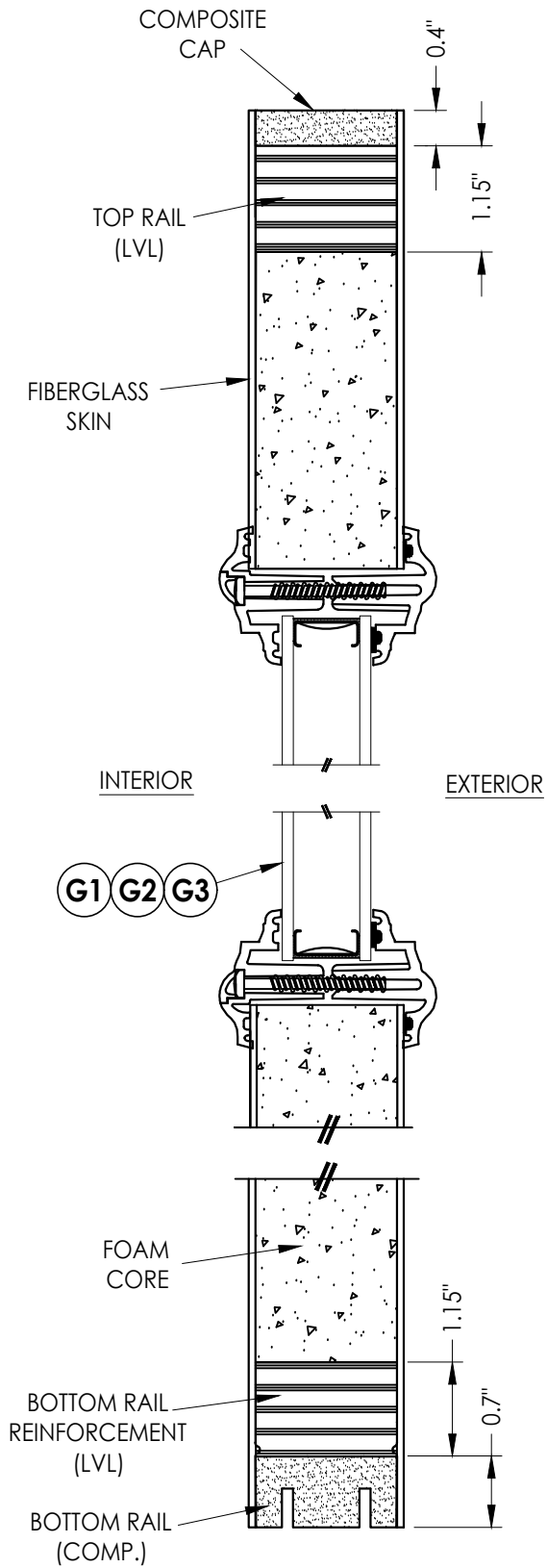


50 FIBERGLASS SIDELITE PANEL
BUILDERS HARDWARE

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



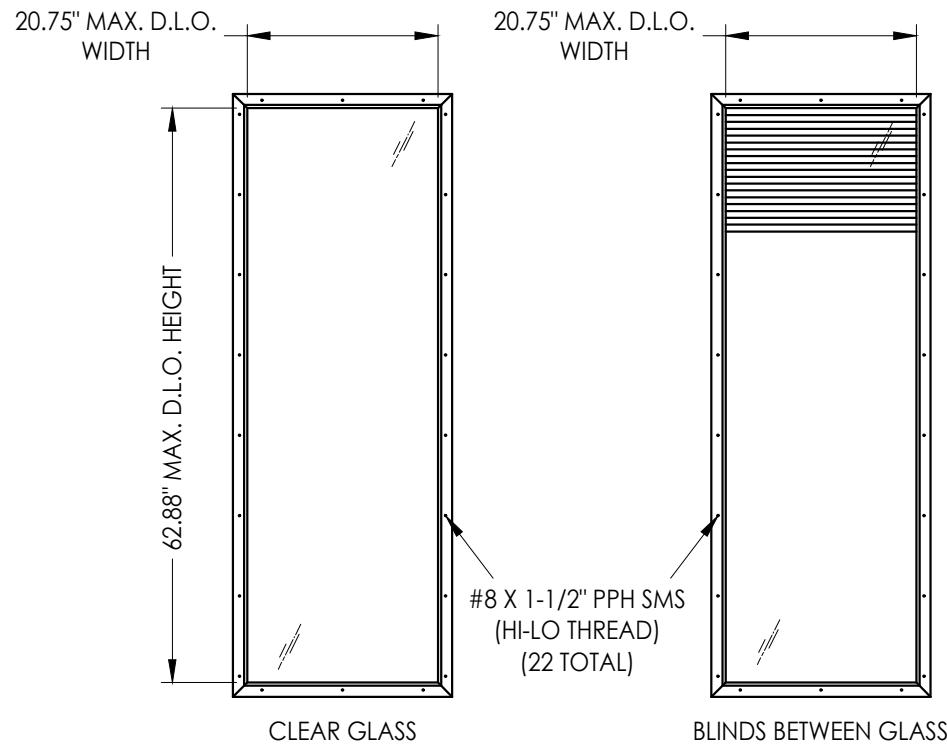
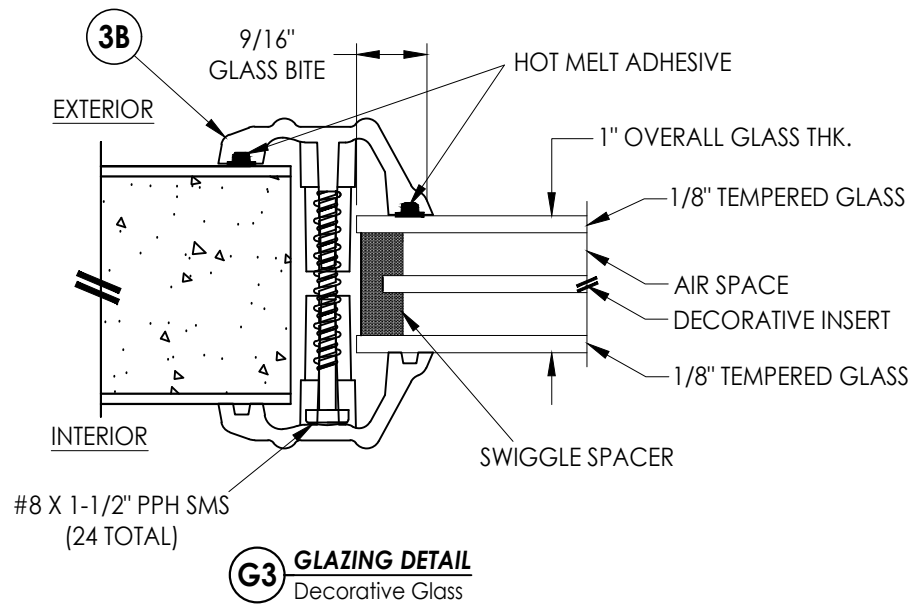
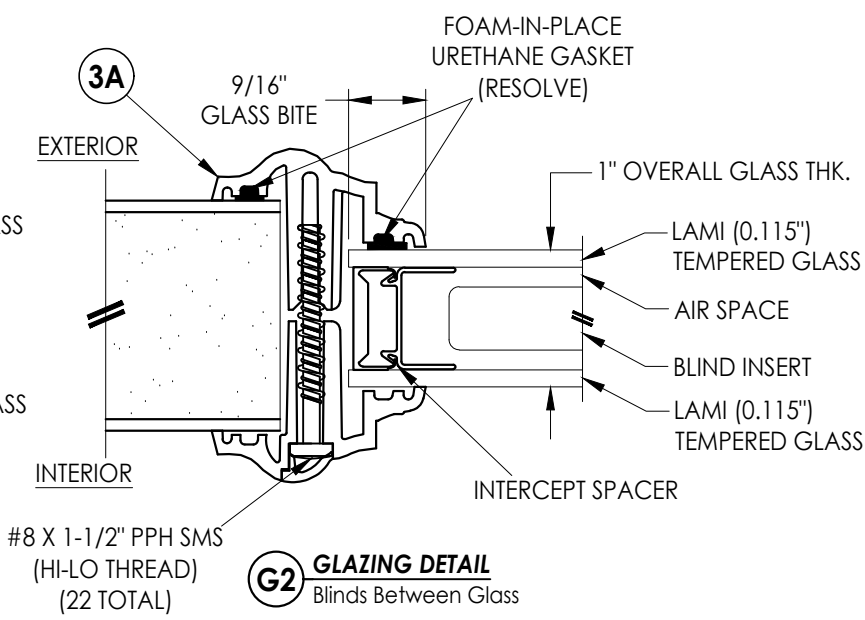
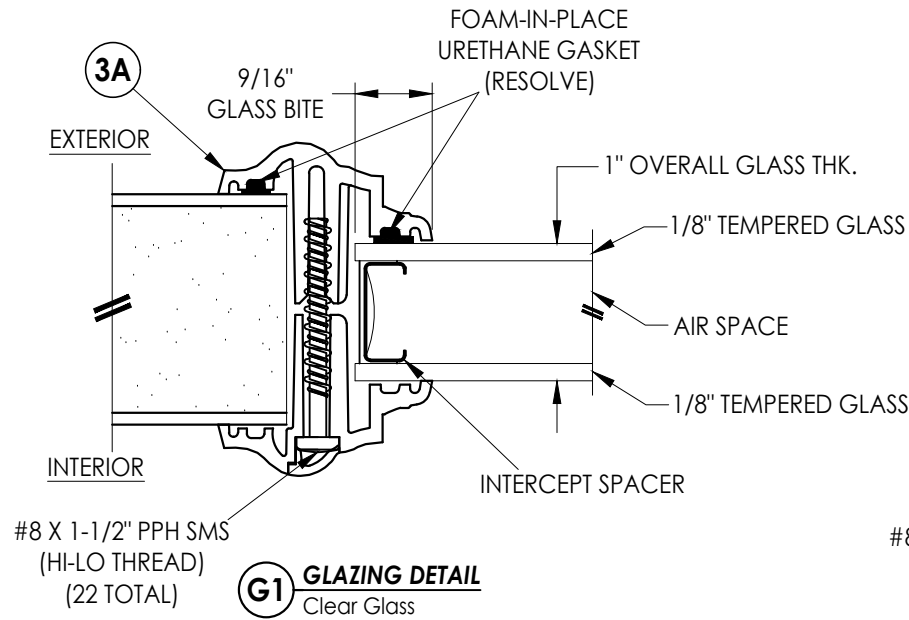
1 HORIZONTAL CROSS SECTION
3



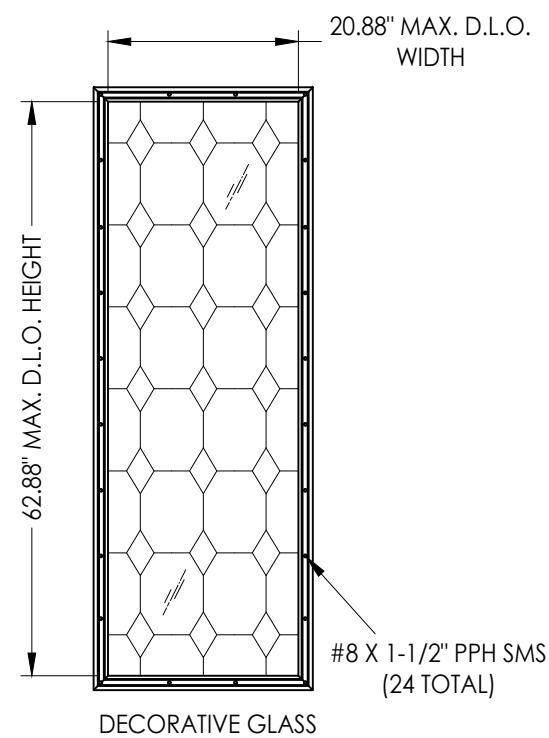
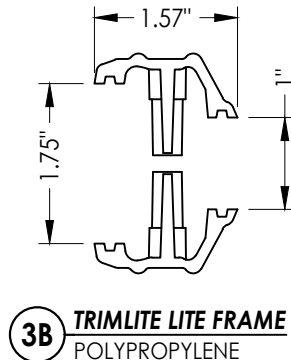
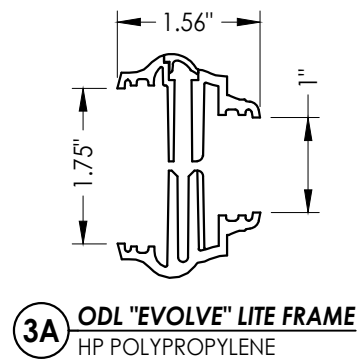
2 VERTICAL CROSS SECTION
3

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: SIDELITE PANE DETAILS					
				LFS	FBC	LFS	BY
				2	7/01/26	UPDATE TO 9TH ED. (2026)	
				1	4/21/25	REVISE FOR NEW TESTING	
				NO.	DATE		
				REVISIONS			
DATE: 6/20/24							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46831.5							
SHEET 3 OF 13							

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OLD "EVOLVE" LITE FRAME

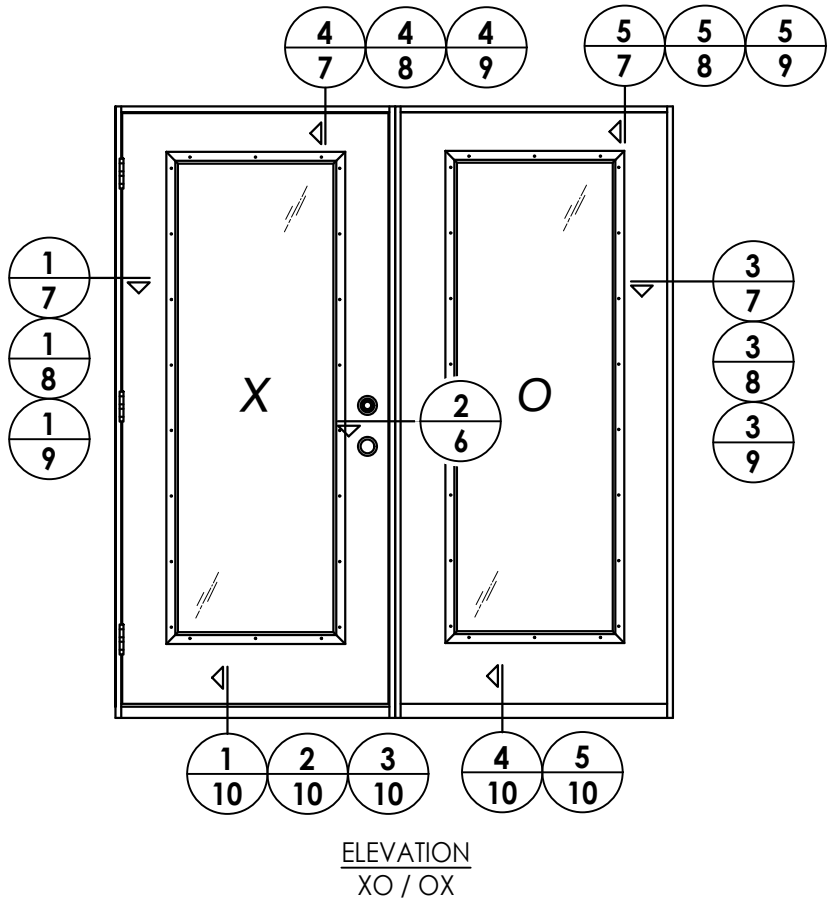
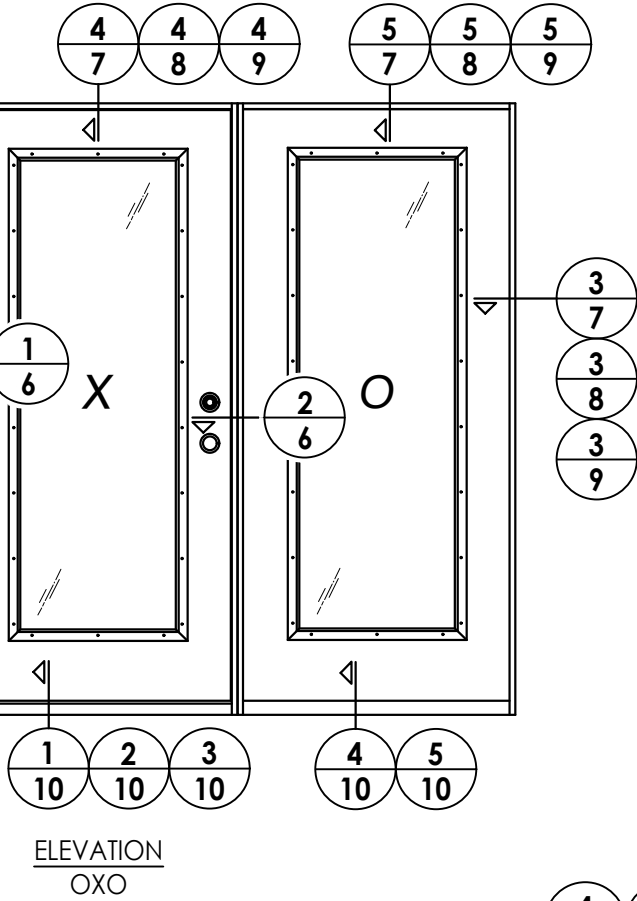
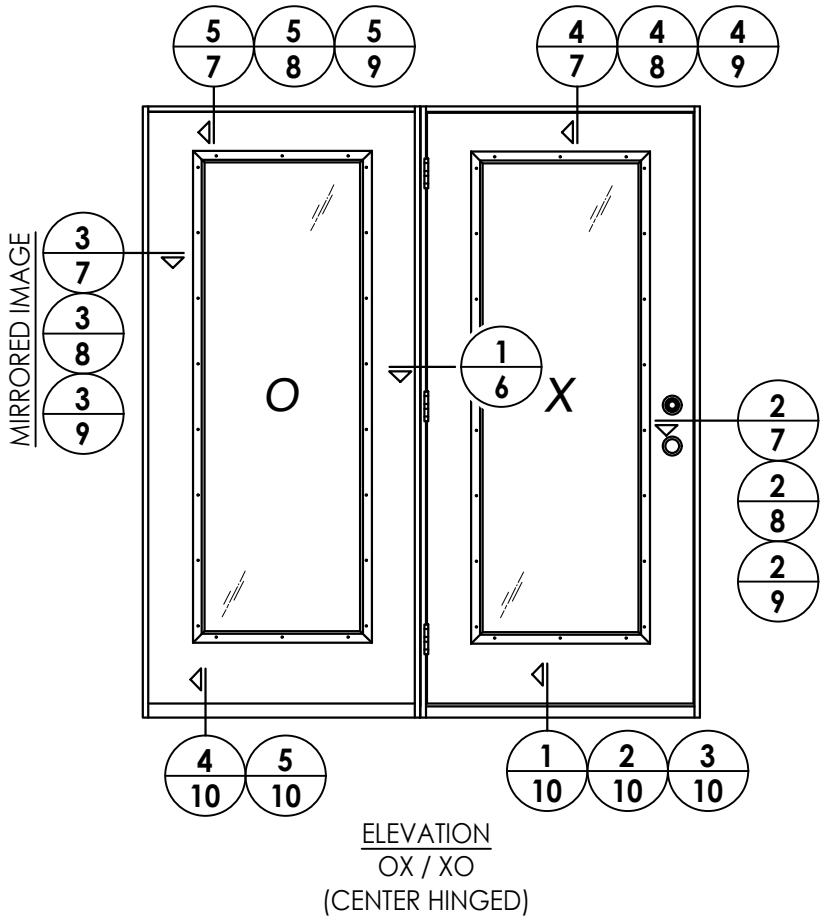


TRIMLITE LITE FRAME

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:		PART OR ASSEMBLY:	
TRIMLITE FIBERGLASS DOORS		LITE FRAME & GLAZING DETAILS	
NO.	DATE	REVISIONS	BY
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
1	4/21/25	REVISE FOR NEW TESTING	LFS
1			BY
DATE: 6/18/24			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-46831.5			
SHEET 4 OF 13			



DATE: 6/20/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46831.5
SHEET 5 OF 13

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

PRODUCT: TRIMLITE FIBERGLASS DOOR	
PART OR ASSEMBLY: ELEVATIONS	

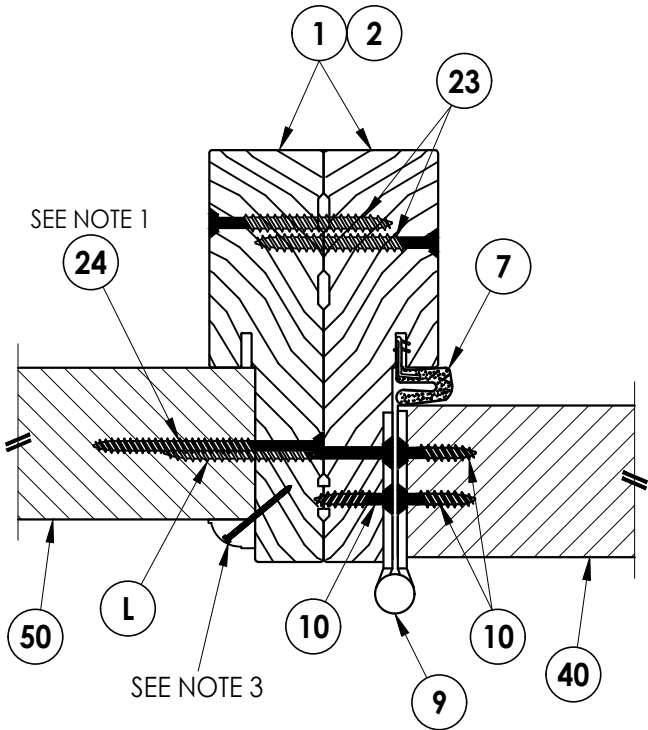
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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Notes:

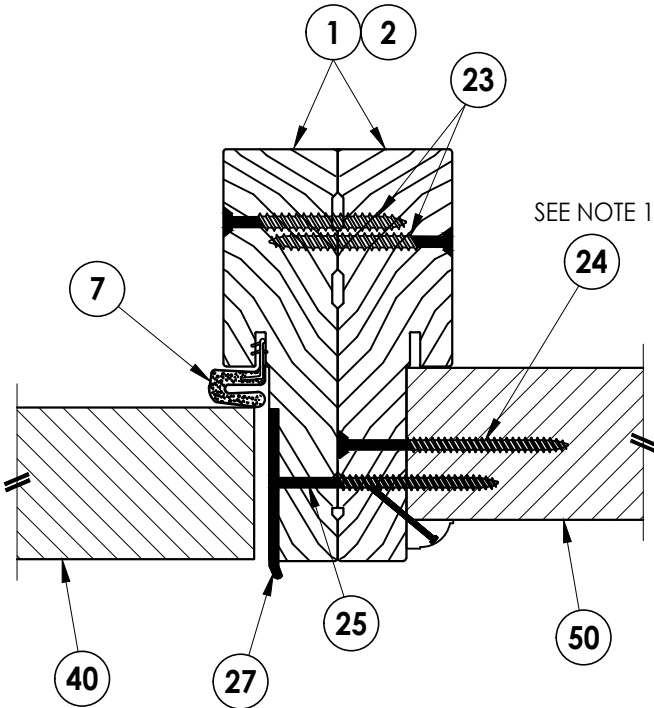
1. Sidelite assembly screws located 6" from each end and 6 more screws equally spaced between (8 screws total per side jamb).
2. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.



1
6 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)

EXTERIOR

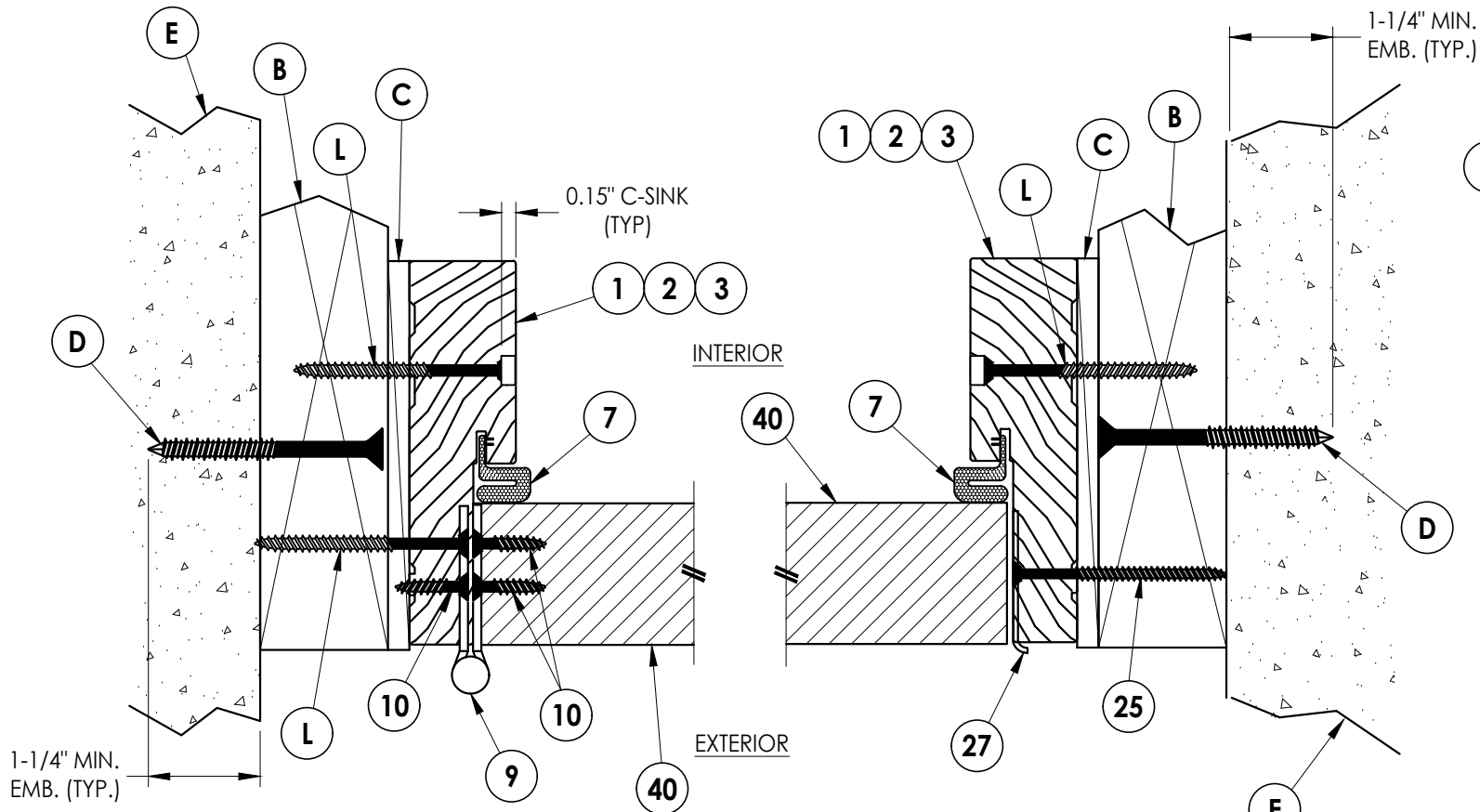
INTERIOR



2
6 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)

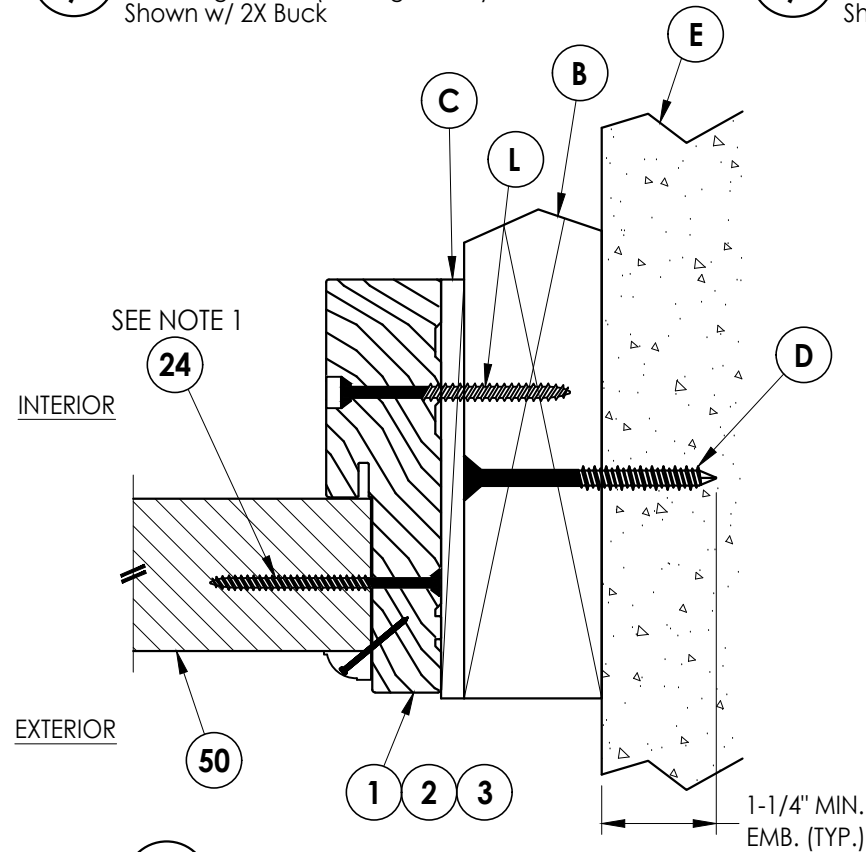
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409										RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813									
PRODUCT: TRIMLITE FIBERGLASS DOOR										PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS									
										2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS					
										1	4/21/25	REVISE FOR NEW TESTING		LFS					
										NO.	DATE			BY					
										REVISIONS									
DATE: 6/20/24																			
SCALE: N.T.S.																			
DWG. BY: LFS																			
CHK. BY: RW																			
DRAWING NO.: FL-46831.5																			
SHEET 6 OF 13																			

G:\2023 FBC Drawings 1.26.26\Trimlite\FL-46831 R2\FL-46831.5.dwg



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

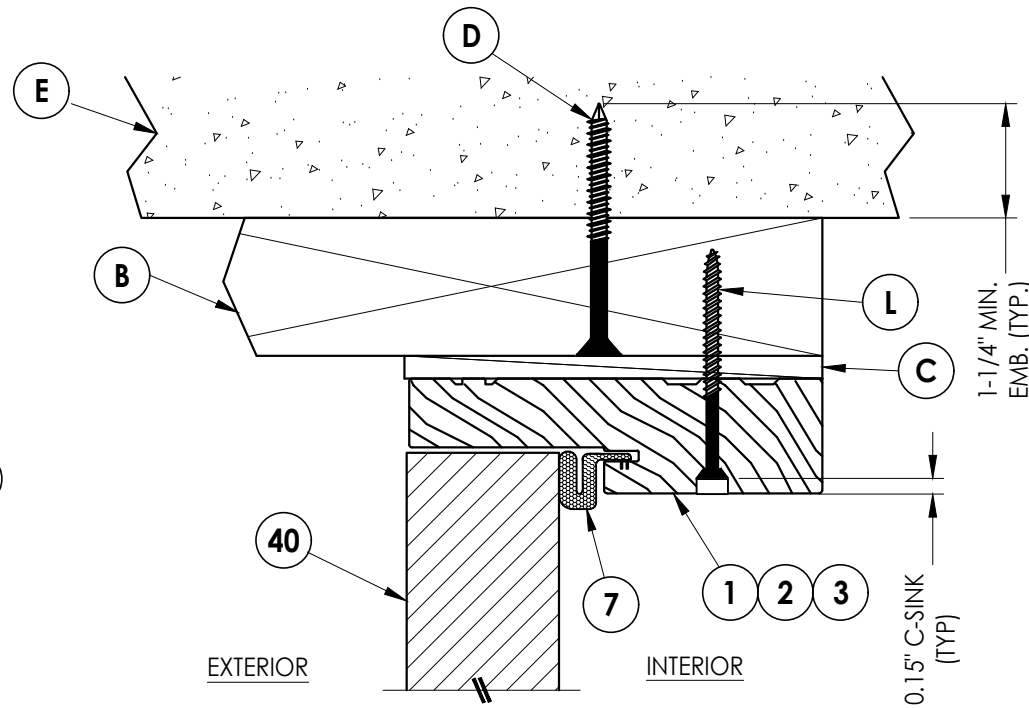
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7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



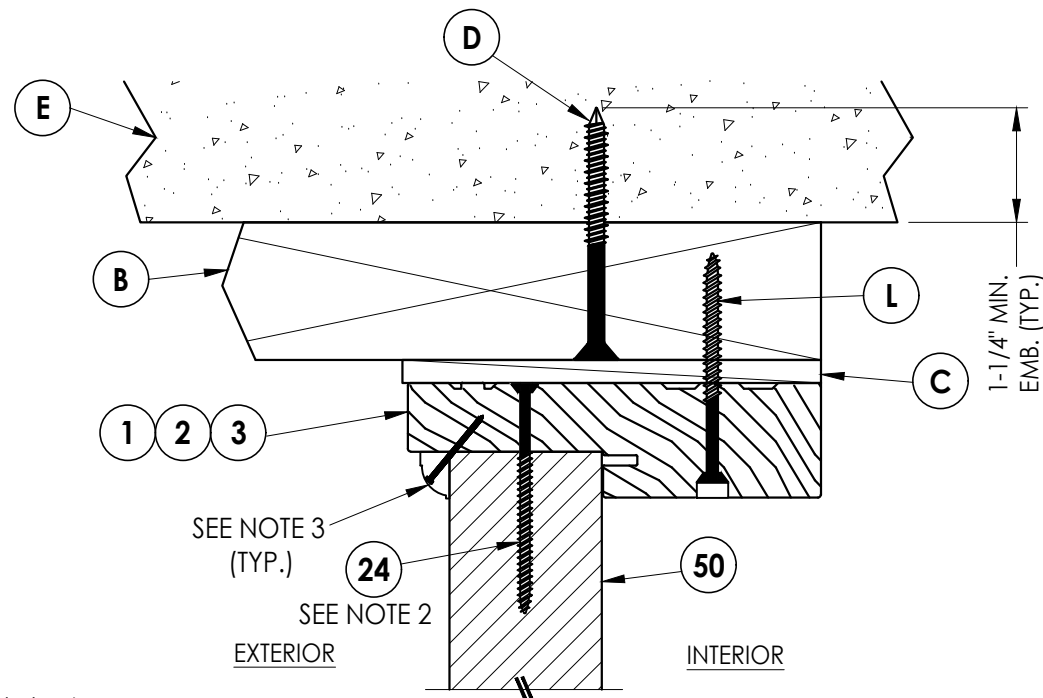
3
7 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

Notes:

1. Sidelite assembly screws located 6" from each end plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end plus 2 more screws equally spaced between (4 screws total along head).
3. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.



4
7 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



5
7 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X 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 (2X BUCK)

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

DATE: 6/20/24

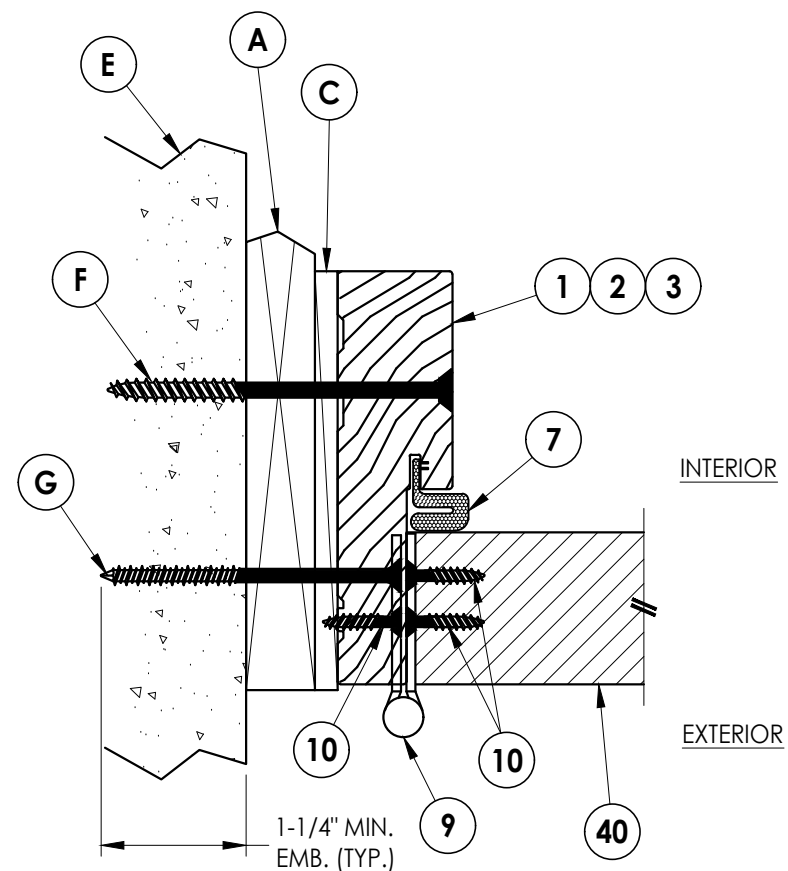
SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

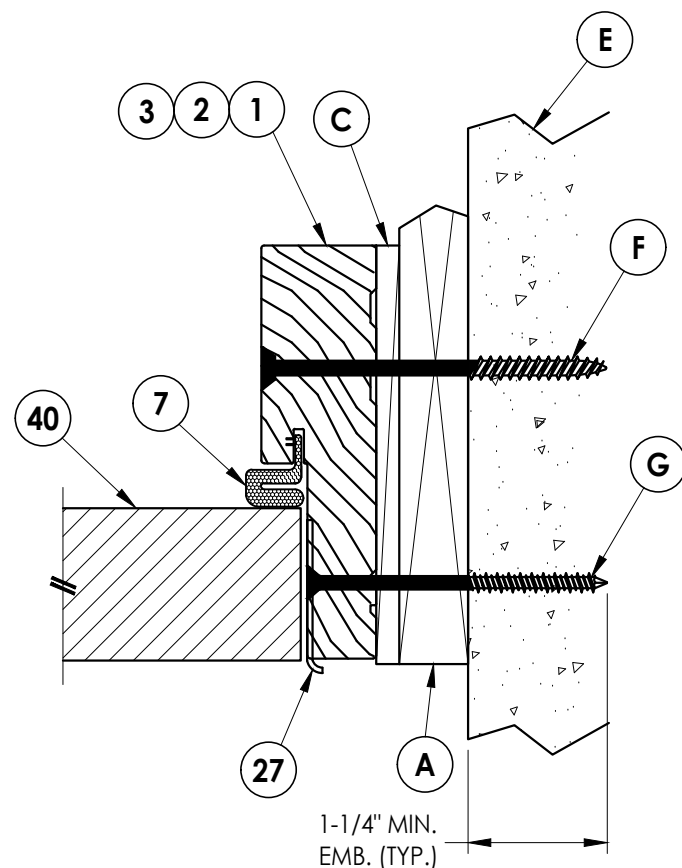
DRAWING NO.: FL-46831.5

SHEET 7 OF 13

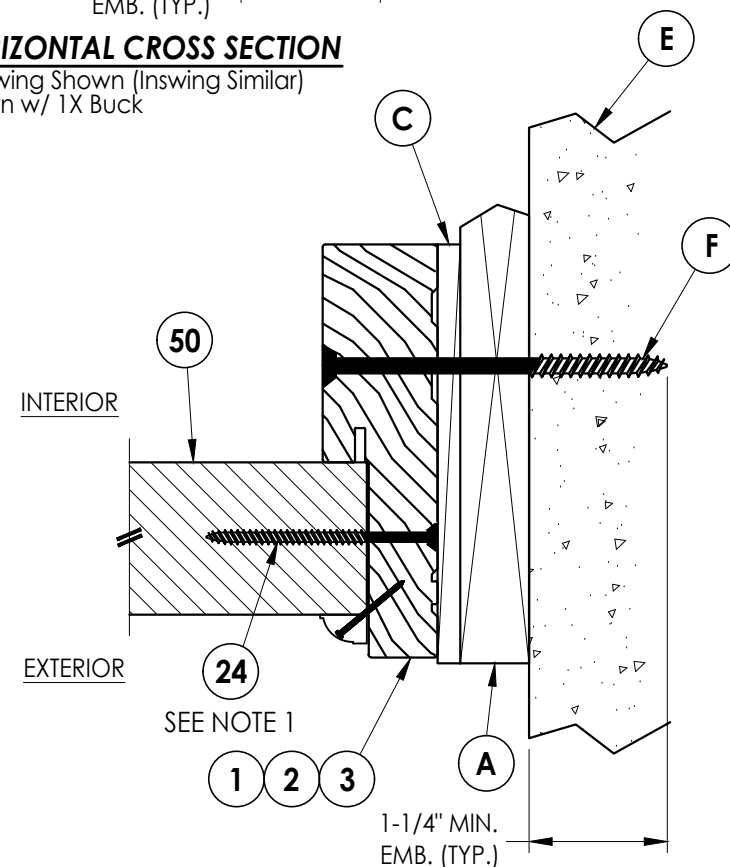


1 8 **HORIZONTAL CROSS SECTION**

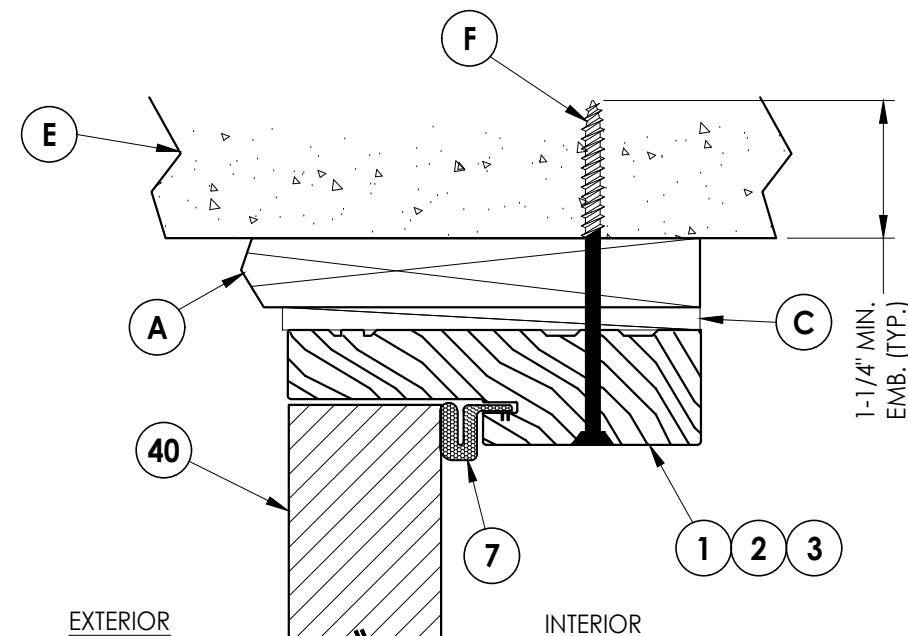
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



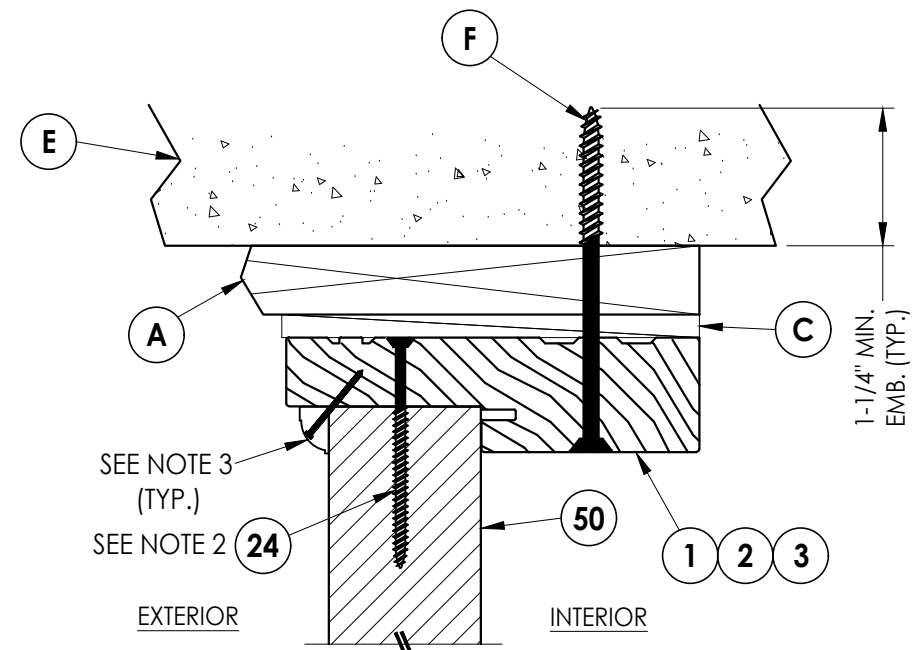
2 **HORIZONTAL CROSS SECTION**
8 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck



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



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



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

Notes:

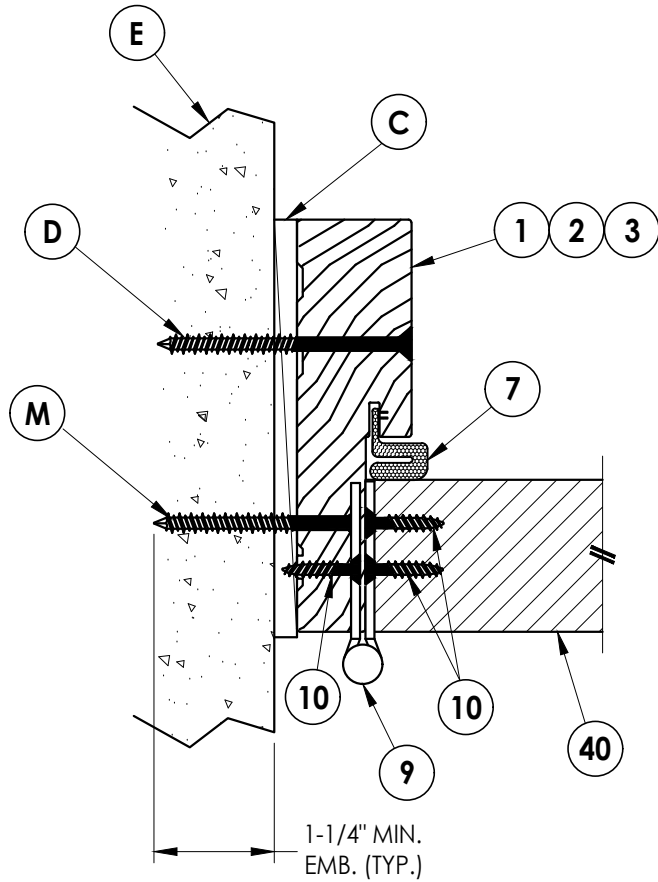
1. Sidelite assembly screws located 6" from each end plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end plus 2 more screws equally spaced between (4 screws total along head).
3. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

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

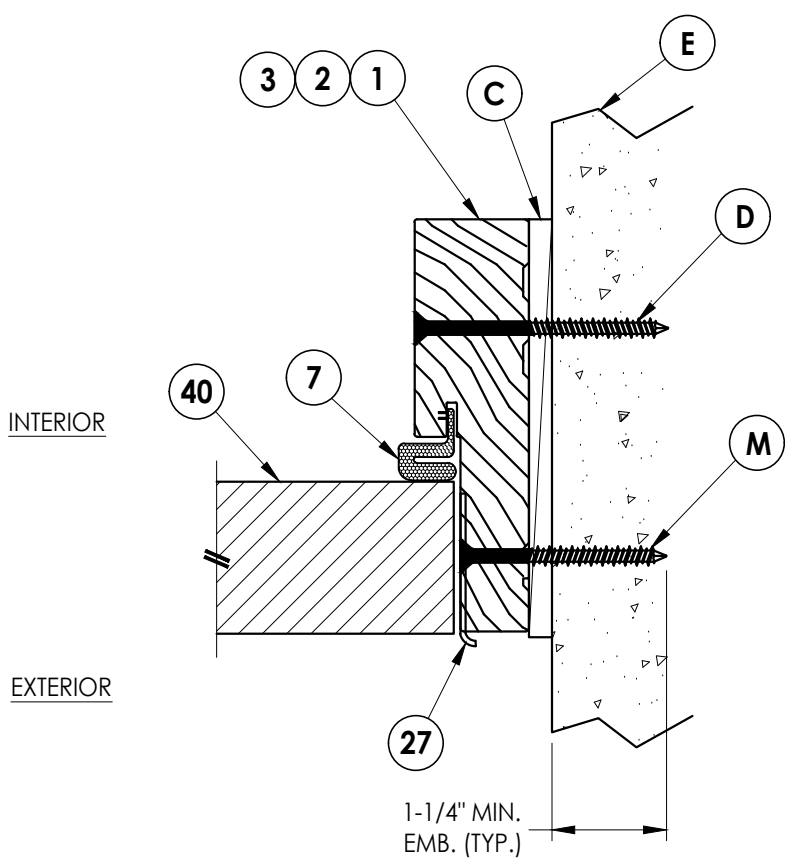
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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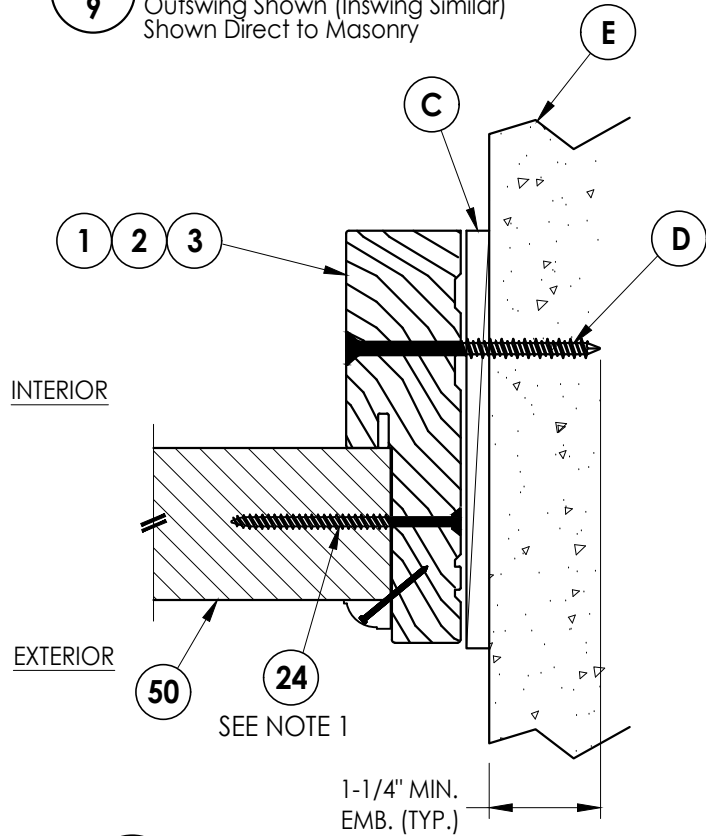
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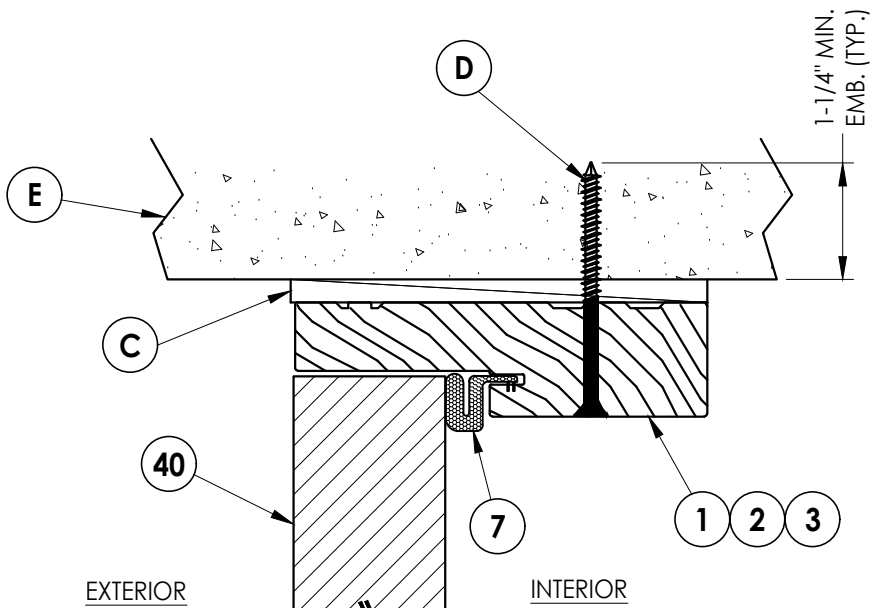
1 **HORIZONTAL CROSS SECTION**
9 Outswing Shown (Inswing Similar)
Shown Direct to Masonry



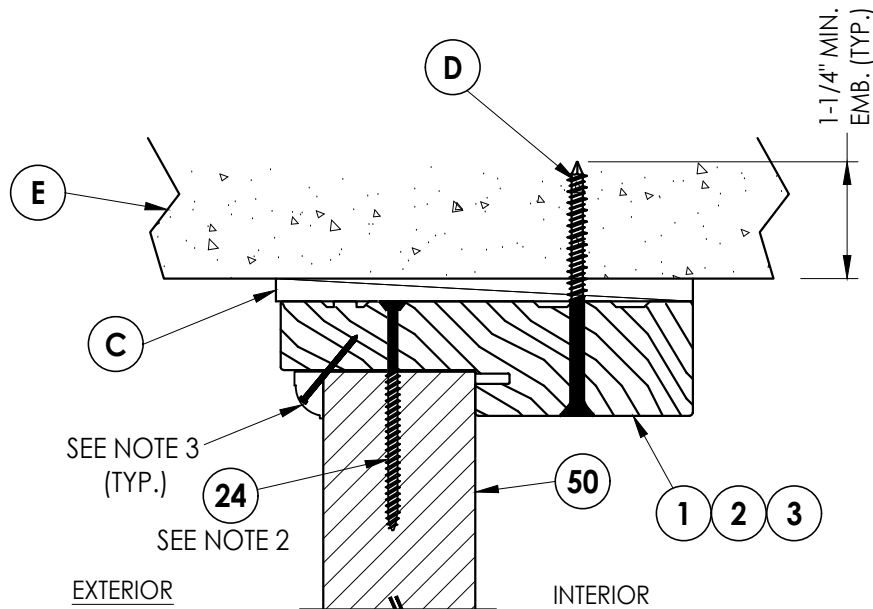
2 **HORIZONTAL CROSS SECTION**
9 Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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



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



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

Notes:

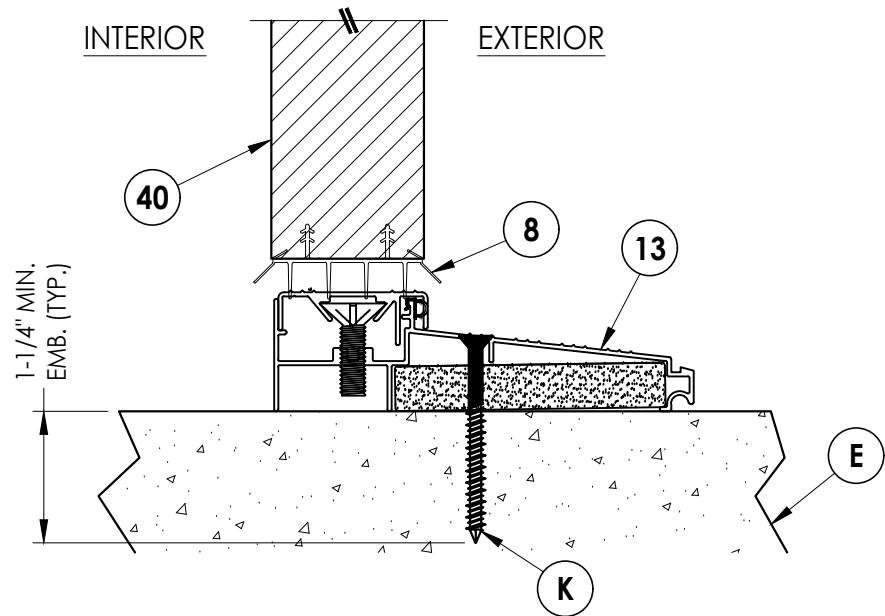
1. Sidelite assembly screws located 6" from each end plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end plus 2 more screws equally spaced between (4 screws total along head).
3. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

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

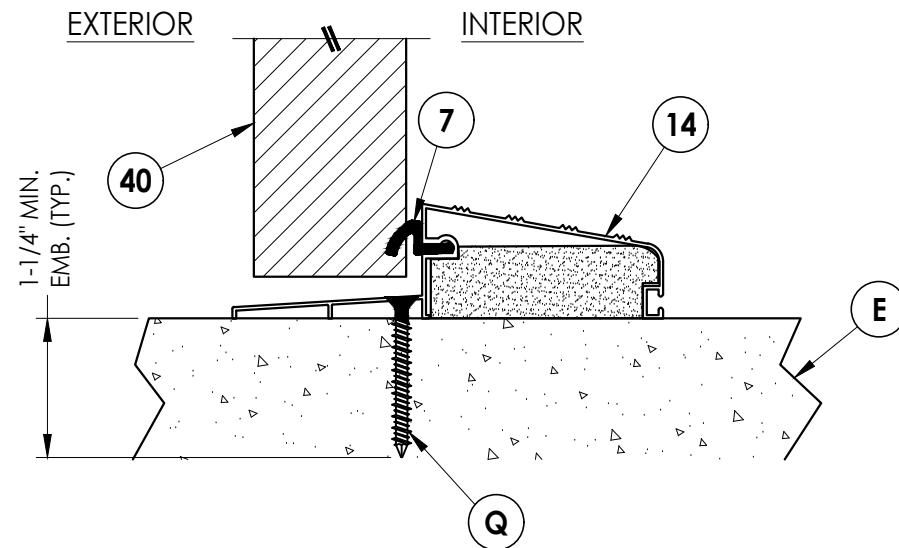
R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		PART OR ASSEMBLY:	
TRIMLITE		HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	
FIBERGLASS DOOR			
NO.	DATE	REVISIONS	BY
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
1	4/21/25	REVISE FOR NEW TESTING	LFS
1	4/21/25	REVISE FOR NEW TESTING	BY
DATE: 6/20/24			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-46831.5			
SHEET 9 OF 13			

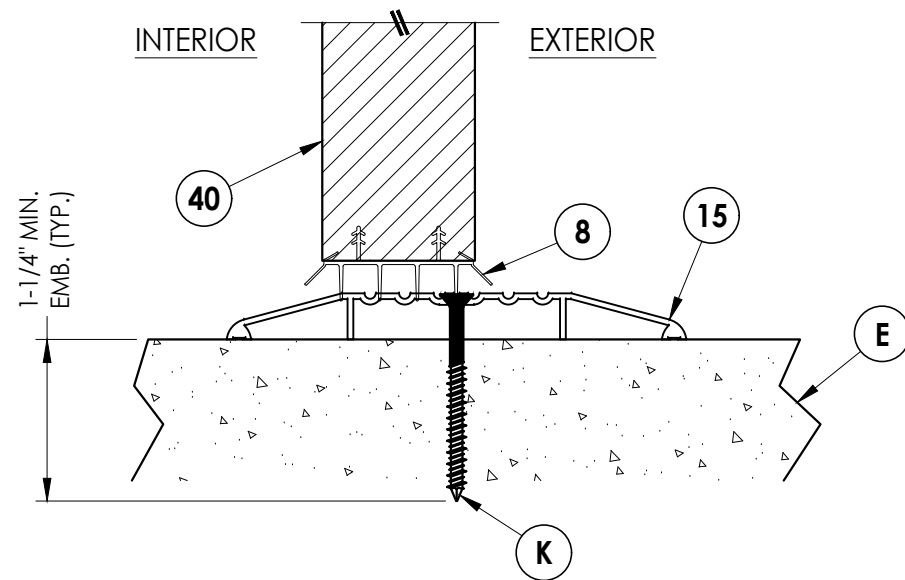
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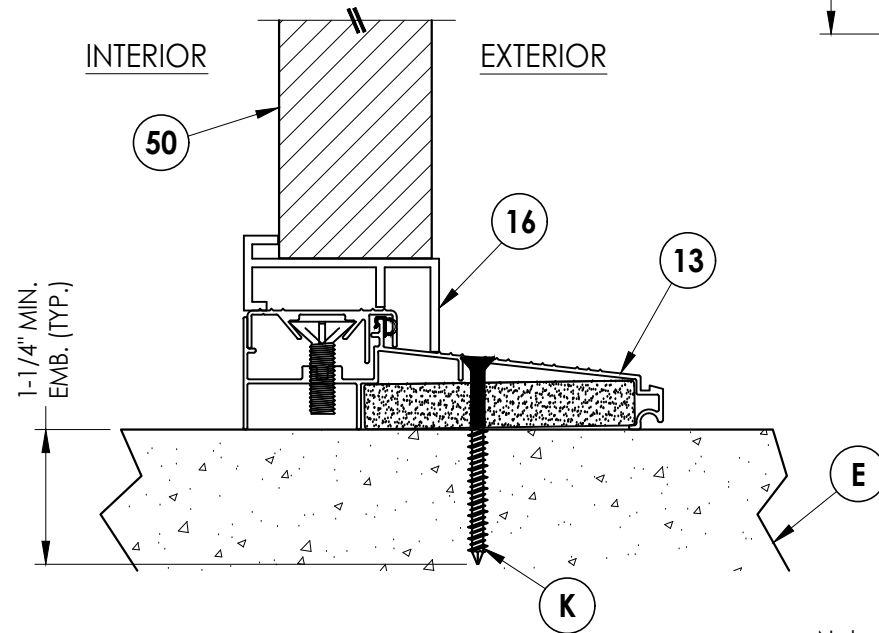
1
10 VERTICAL CROSS SECTION
Inswing Threshold



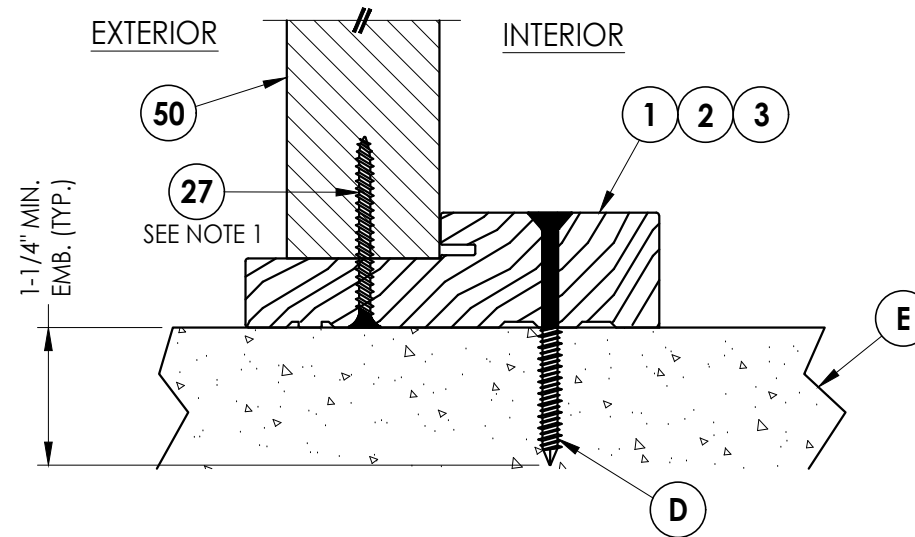
2
10 VERTICAL CROSS SECTION
Outswing Threshold



3
10 VERTICAL CROSS SECTION
ADA Threshold



4
10 VERTICAL CROSS SECTION
Inswing Threshold



5
10 VERTICAL CROSS SECTION
Outswing Threshold

Notes:

1. Sidelite assembly screws located 4" from each end plus 2 more screws equally spaced between (4 screws total along sill).
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:
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: 6/20/24

SCALE: N.T.S.

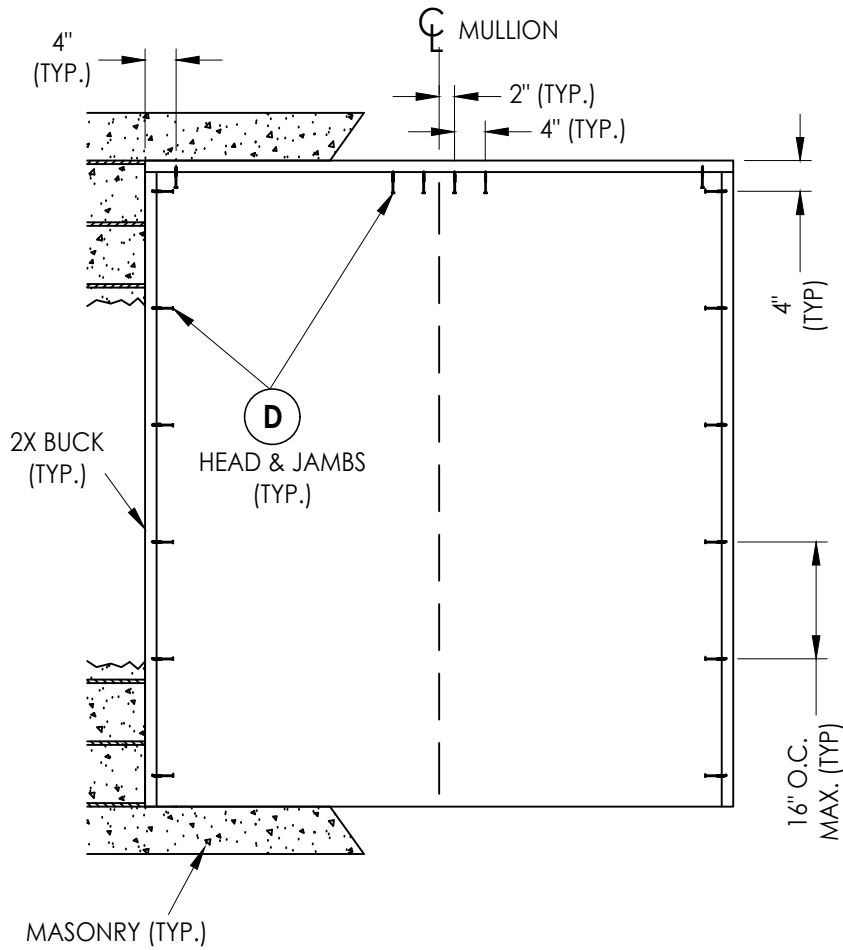
DWG. BY: LFS

CHK. BY: RW

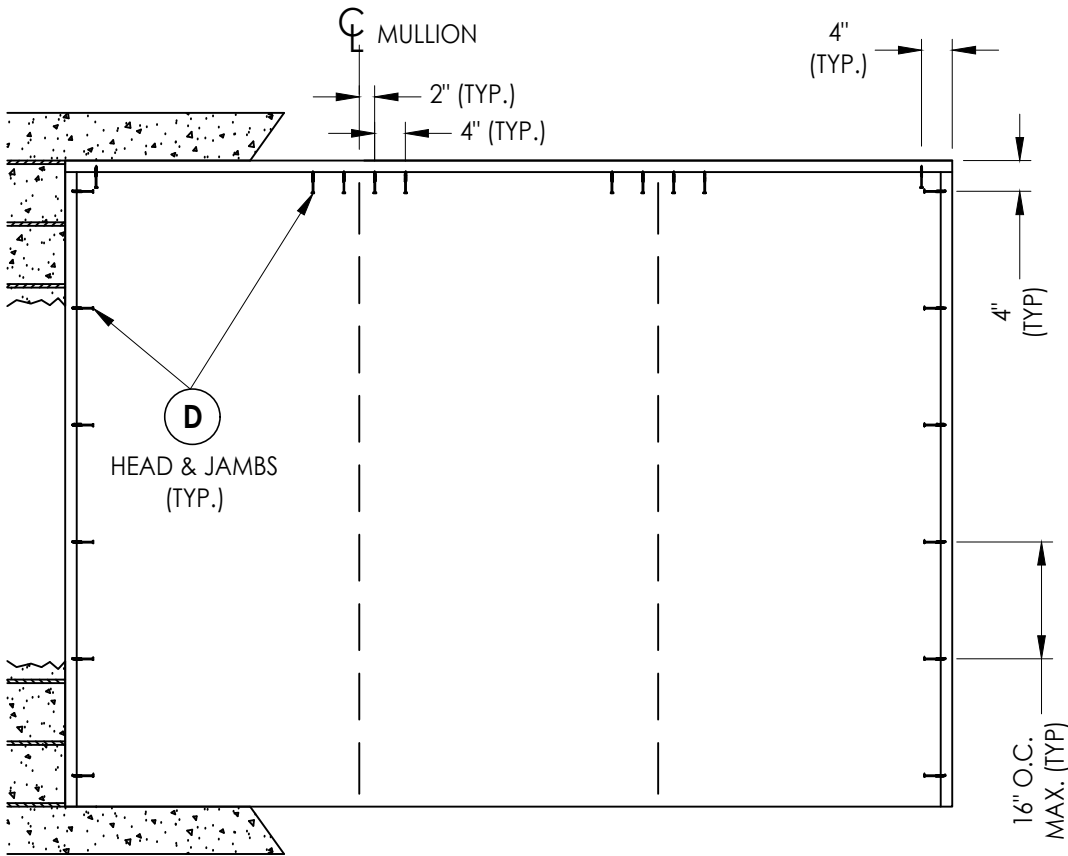
DRAWING NO.: FL-46831.5

SHEET 10 OF 13

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XO, OX



OXO

2X BUCK ANCHORING

DATE: 6/20/24	
SCALE: N.T.S.	
DWG. BY: LFS	
CHK. BY: RW	
DRAWING NO.: FL-46831.5	
SHEET	11 OF 13

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

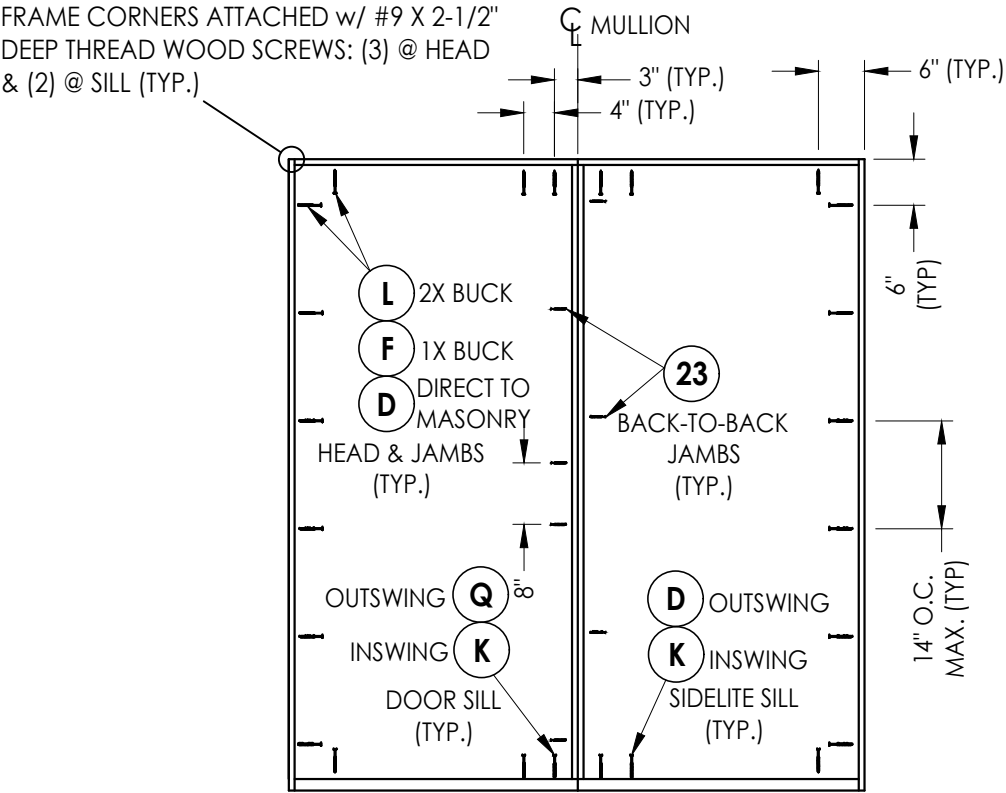
PRODUCT:	TRIMLITE FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

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

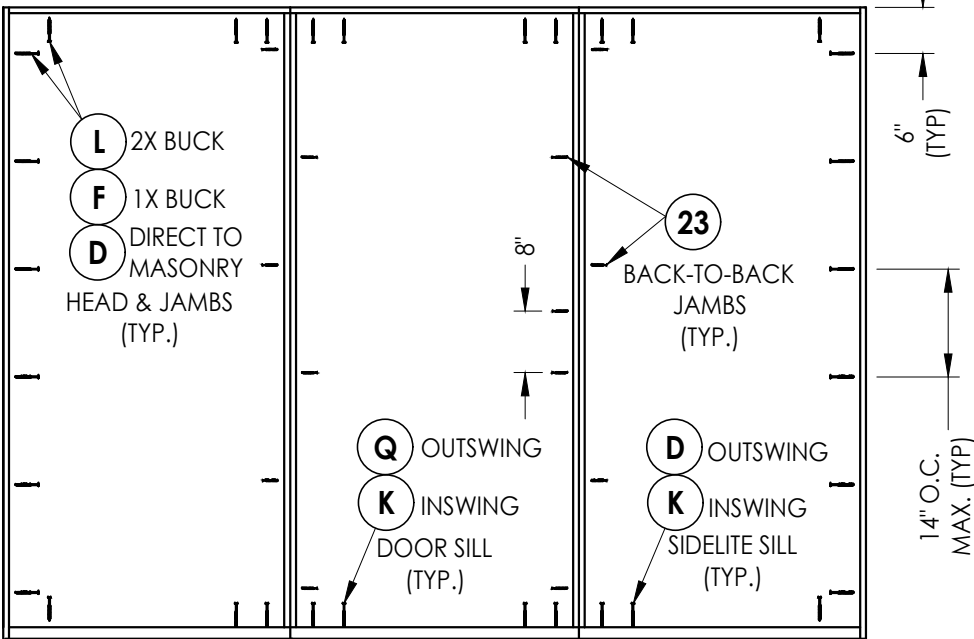
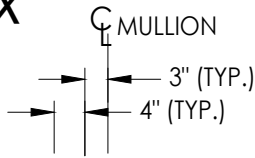
RW

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

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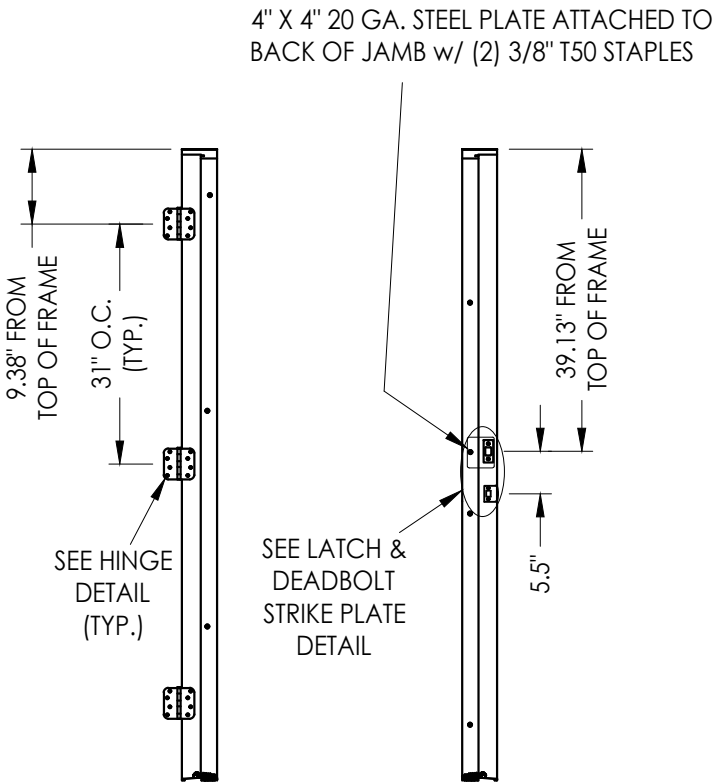


XO/OX



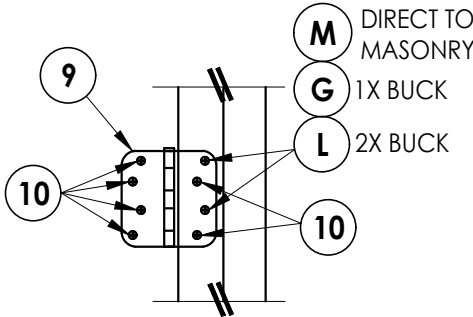
OXO

FRAME ANCHORING

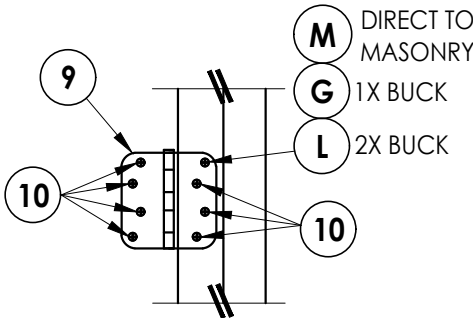


HINGE JAMB

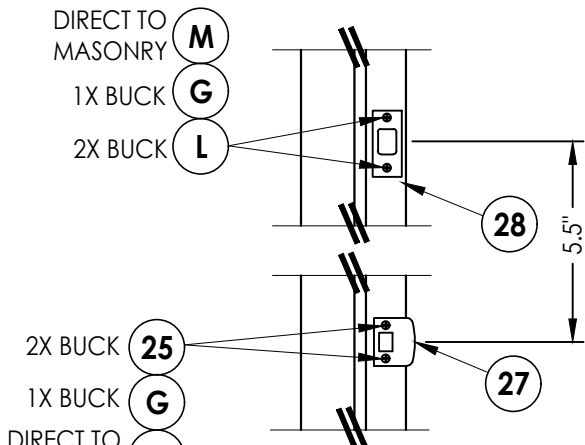
STRIKE JAMB



HINGE DETAIL
INSWING

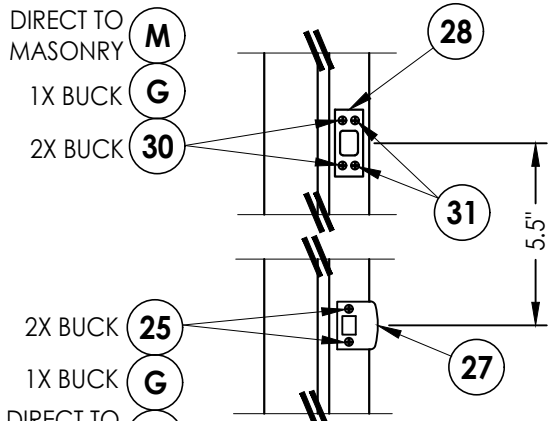


HINGE DETAIL
OUTSWING



STRIKE PLATE DETAIL

SCHLAGE/YALE LOCKSETS



STRIKE PLATE DETAIL

KWIKSET LOCKSET

LATCH & DEADBOLT STRIKE PLATE DETAILS

HARDWARE DETAILS

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:
FRAME ANCHORING
& HARDWARE DETAILS

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

DATE: 6/20/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46831.5

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G:\2023 FBC Drawings 1.26.26\Trimlite\FL-46831 R2\FL-46831.5.dwg

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
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
30	#12 X 2-1/2" PFH WOOD SCREW	STEEL
31	#8 X 1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-

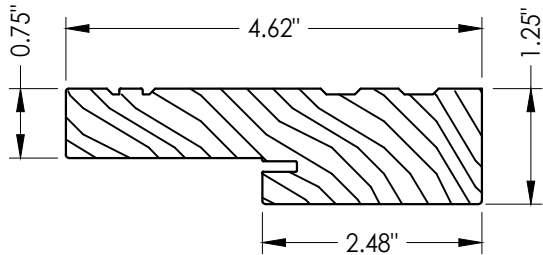
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- Concrete anchor table:

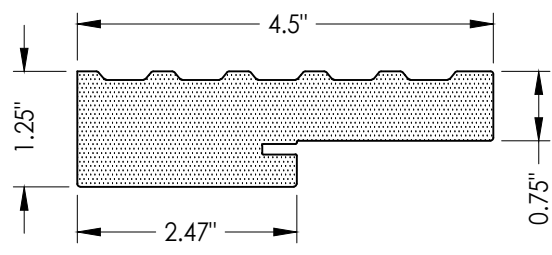
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

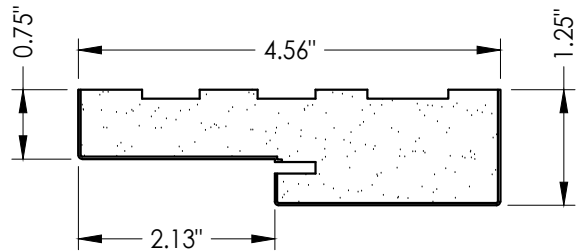
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



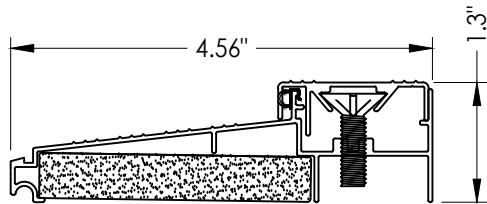
1 WOOD JAMB
FINGER JOINTED PINE



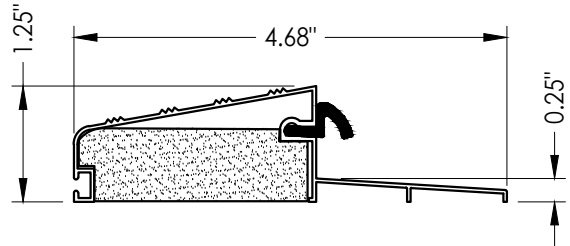
2 COMPOSITE JAMB
WORLDWIDE 4EVER



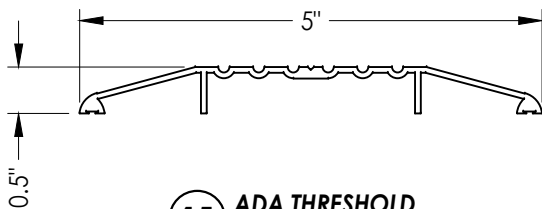
3 POLY FIBER JAMB
PLASTPRO



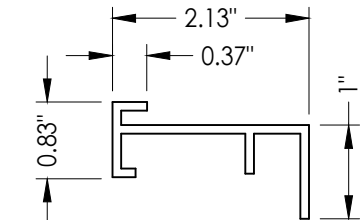
13 INSWING THRESHOLD
DLP



14 OUTSWING THRESHOLD
DLP



15 ADA THRESHOLD
DLP



16 INSWING SIDELITE ADAPTER

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT: TRIMLITE
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

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

DATE: 6/20/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46831.5

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