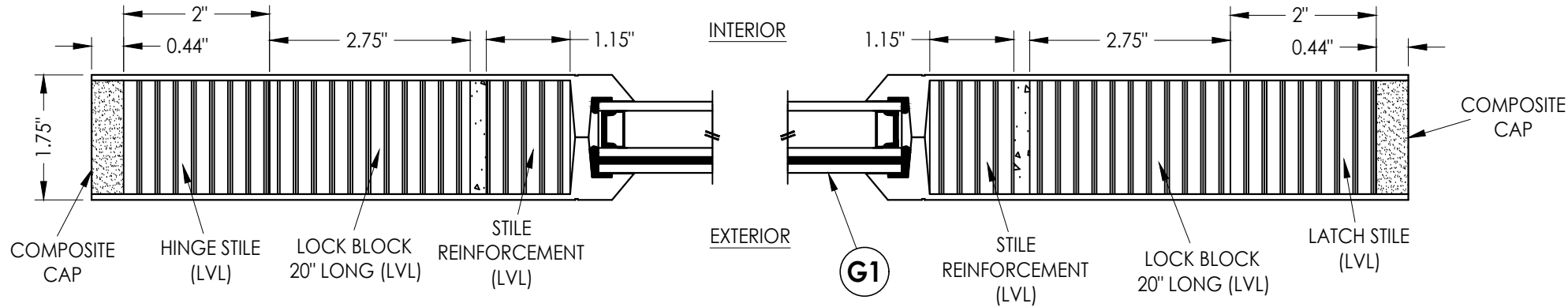
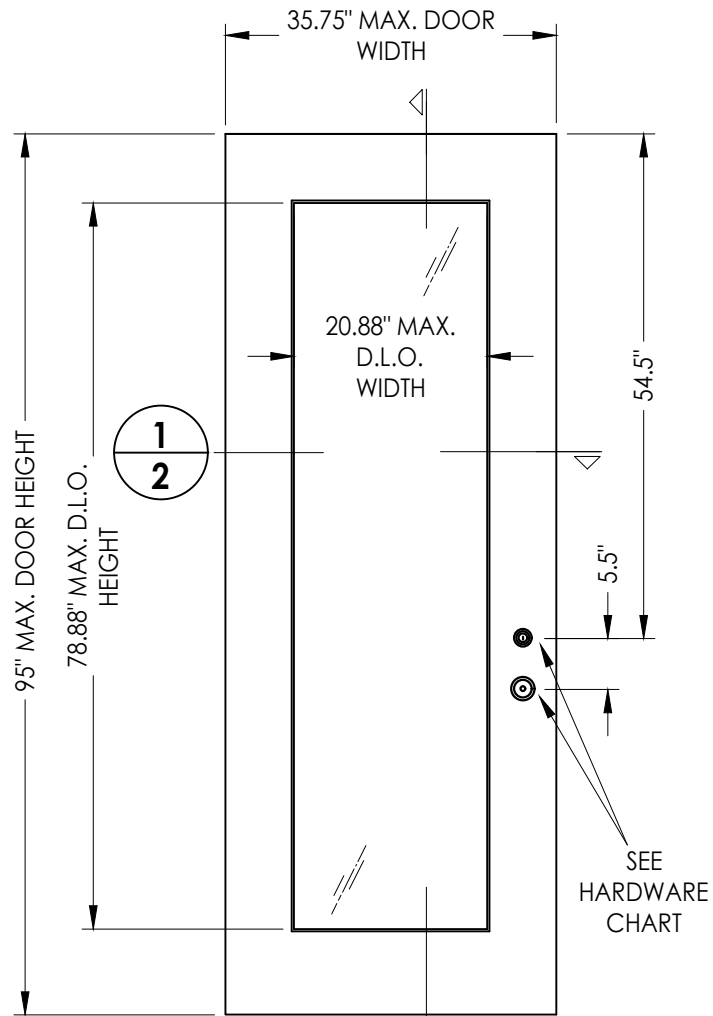




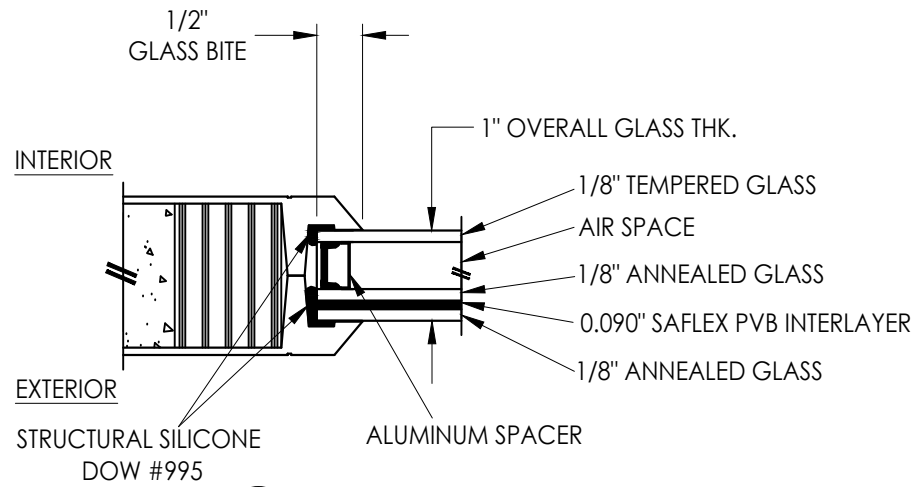
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1
2 **HORIZONTAL CROSS SECTION**

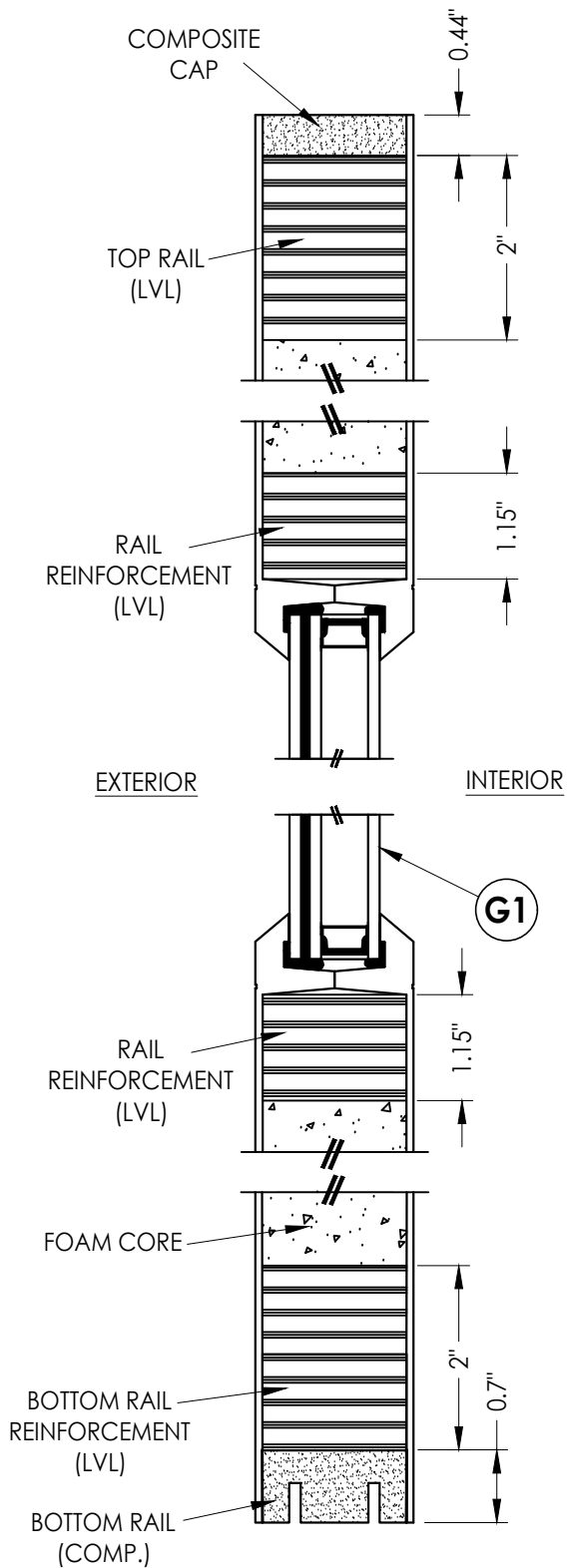


40 **FIBERGLASS DOOR PANEL**
STEVES & SONS - PALISADE SERIES



G1 **GLAZING DETAIL**

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	LATCH:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
SCHLAGE	LATCH:	F51
	DEADBOLT:	B60N



2
2 **VERTICAL CROSS SECTION**

FIBERGLASS DOOR SKIN: MIN. 0.10" THK.
CORE MATERIAL: POLYURETHANE FOAM

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: STEVES & SONS
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR
PANEL DETAILS

NO.	DATE	REVISIONS
1	7/02/26	UPDATE TO 9TH ED. (2026) FBC
LFS	BY	

DATE: 8/22/24

SCALE: N.T.S.

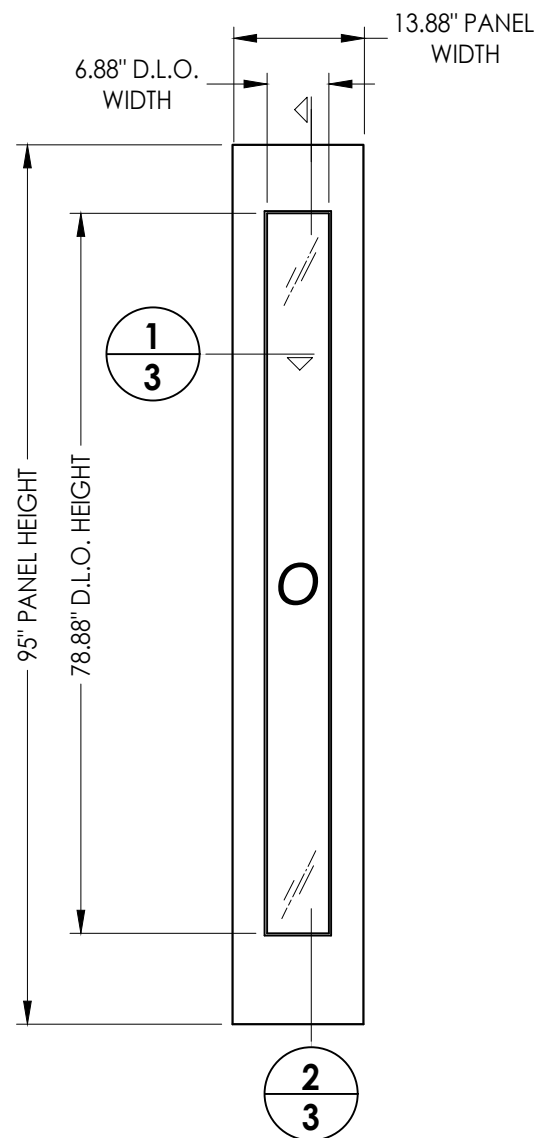
DWG. BY: RW

CHK. BY: LFS

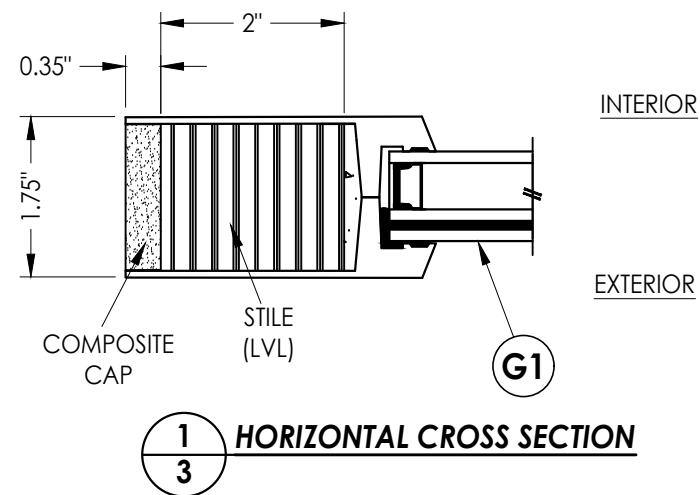
DRAWING NO.:

FL-46720.2

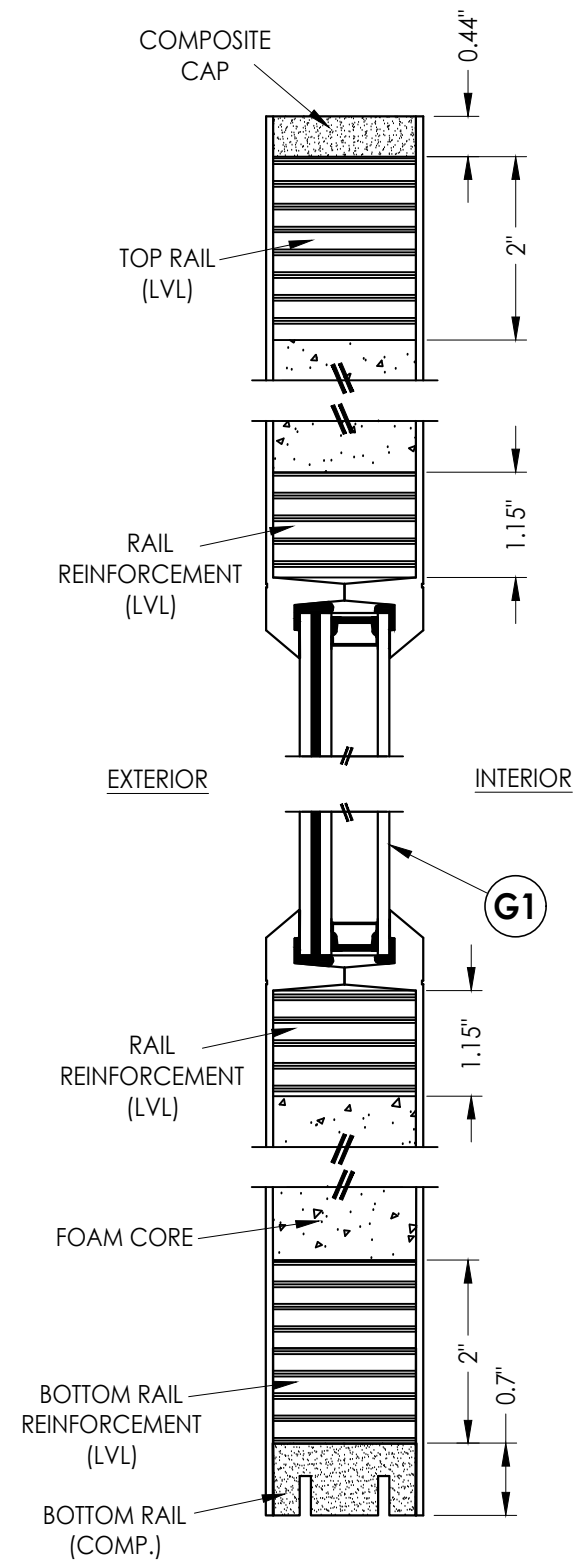
SHEET 2 OF 12



FIBERGLASS DOOR SKIN: MIN. 0.10" THK.
CORE MATERIAL: POLYURETHANE FOAM



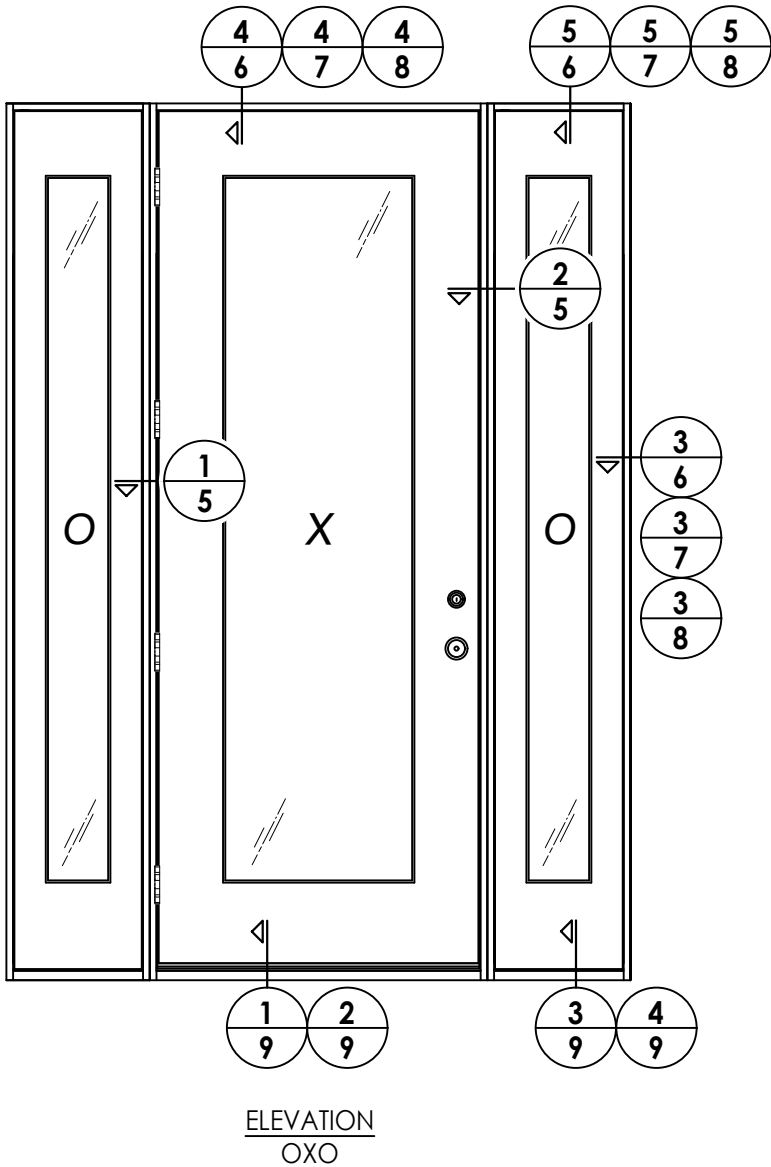
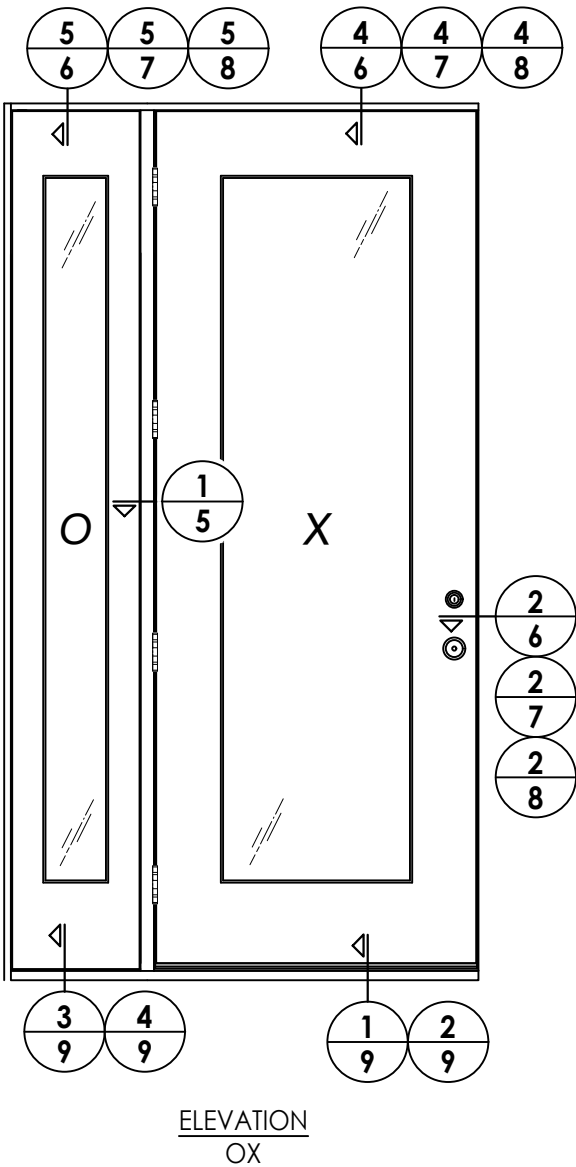
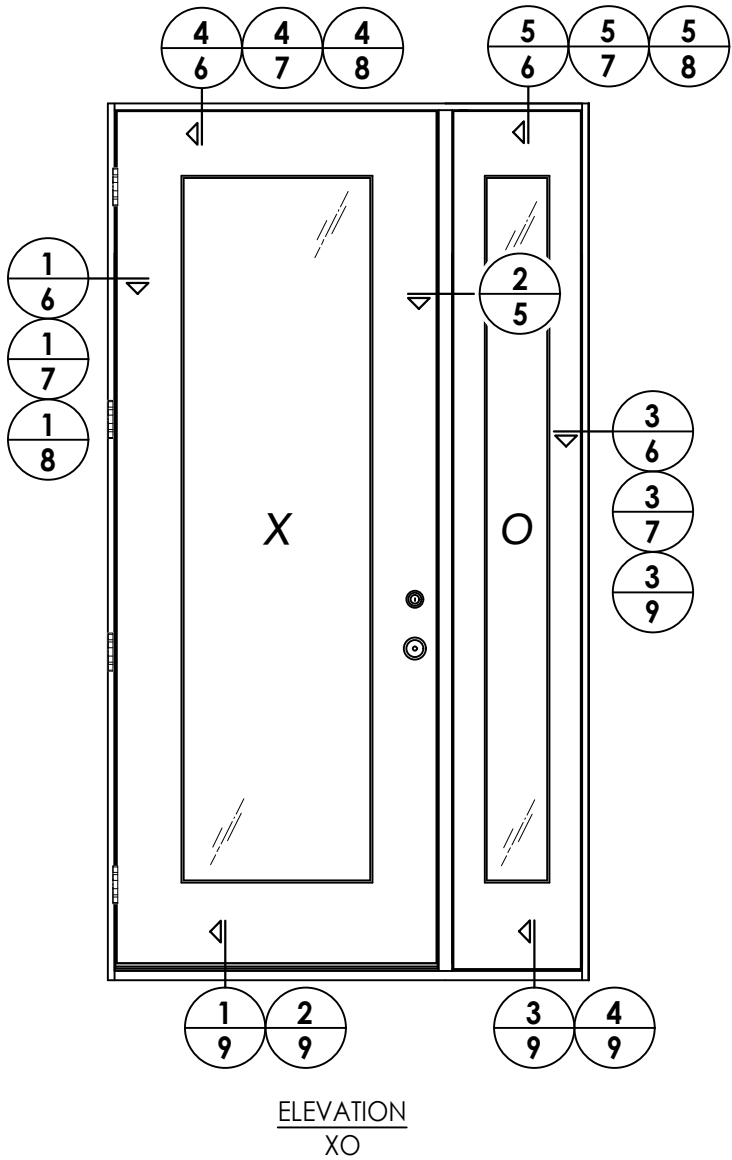
1 HORIZONTAL CROSS SECTION



2 VERTICAL CROSS SECTION

DATE: 8/22/24		PRODUCT: STEVES & SONS FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: SIDELITE PANEL DETAILS		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: RW					
CHK. BY: LFS					
DRAWING NO.: FL-46720.2					
SHEET 3 OF 12					

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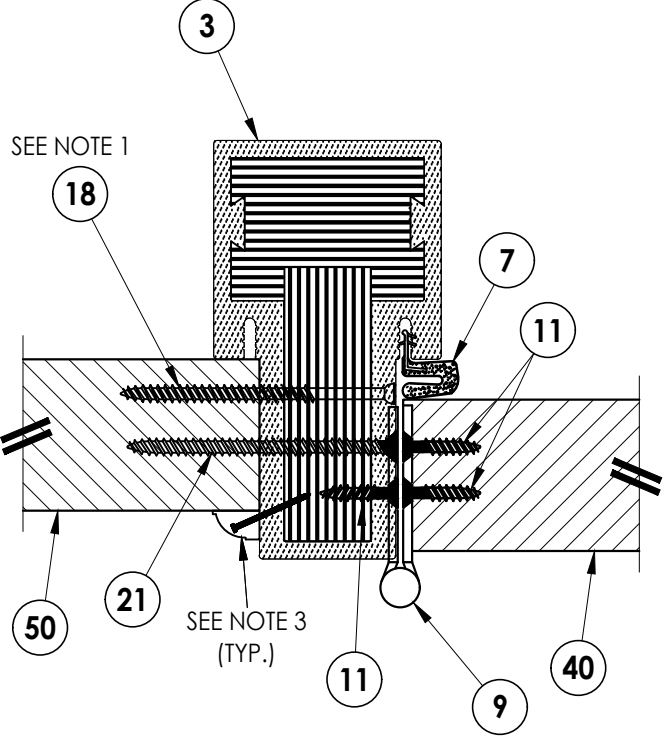
DATE: 8/22/24
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-46720.2
SHEET 4 OF 12

NO	DATE	DESCRIPTION	BY
1	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS

PRODUCT: STEVES & SONS
FIBERGLASS DOOR
PART OR ASSEMBLY: ELEVATIONS

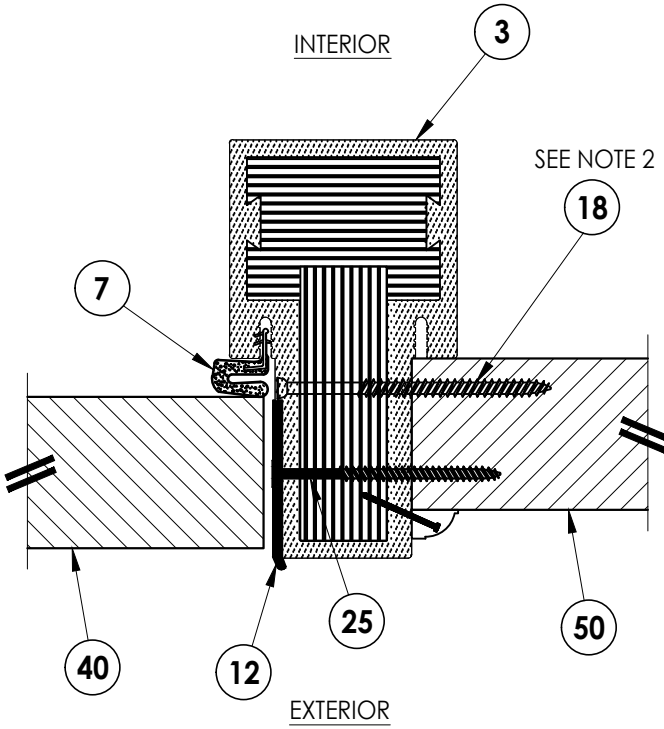
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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



1 5 **HORIZONTAL CROSS SECTION**

Shown w/ 2X Buck
Outswing shown (Inswing similar)



2 HORIZONTAL CROSS SECTION

5 Shown w/ 2X Buck Outswing shown (Inswing similar)

NOTES:

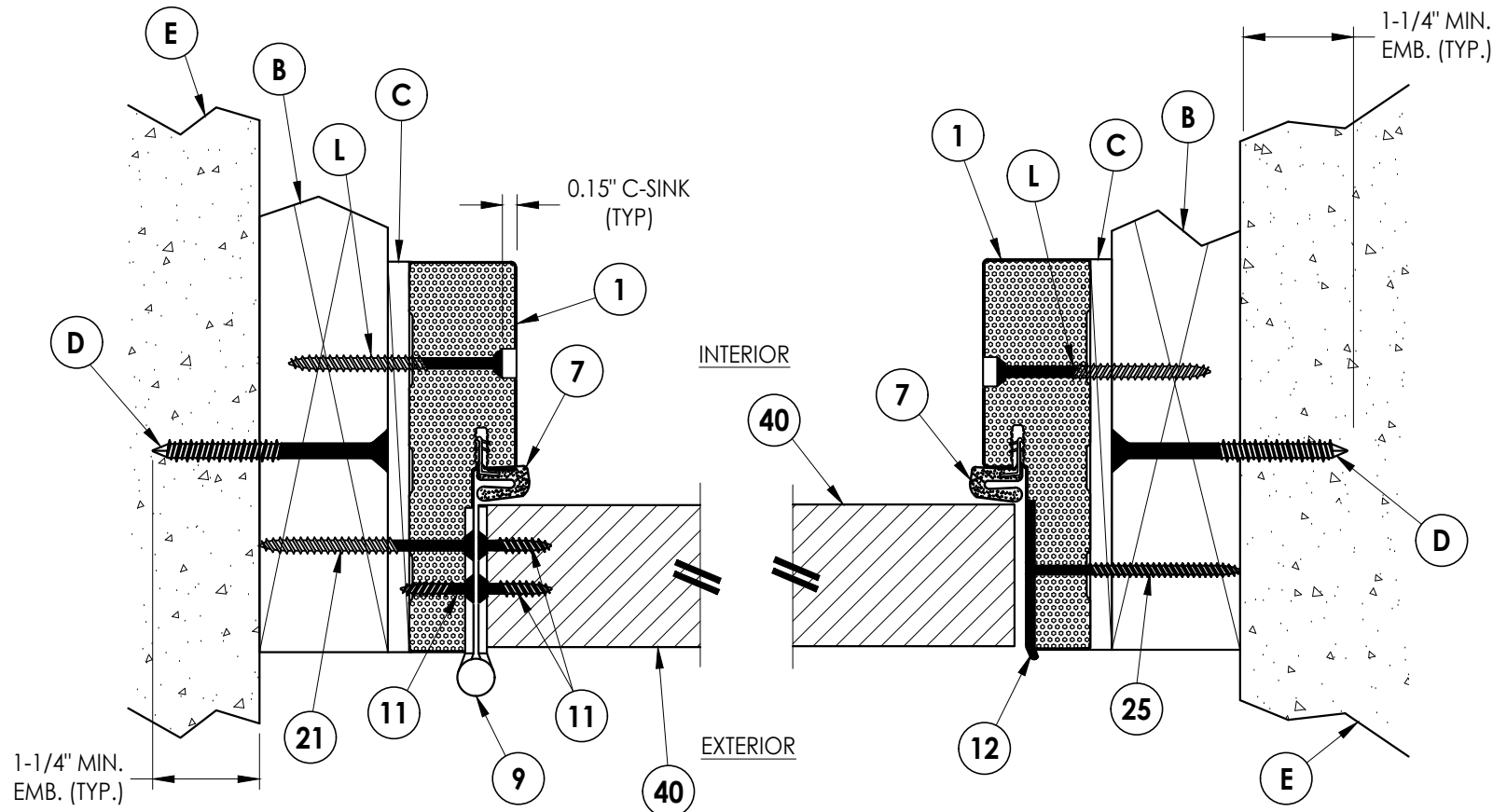
1. Sidelite assembly screws located @ each hinge (4 total).
2. Sidelite assembly screws located 9" from each end plus 2 more equally spaced (4 total).
3. Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 6" o.c. max.

[illegible]

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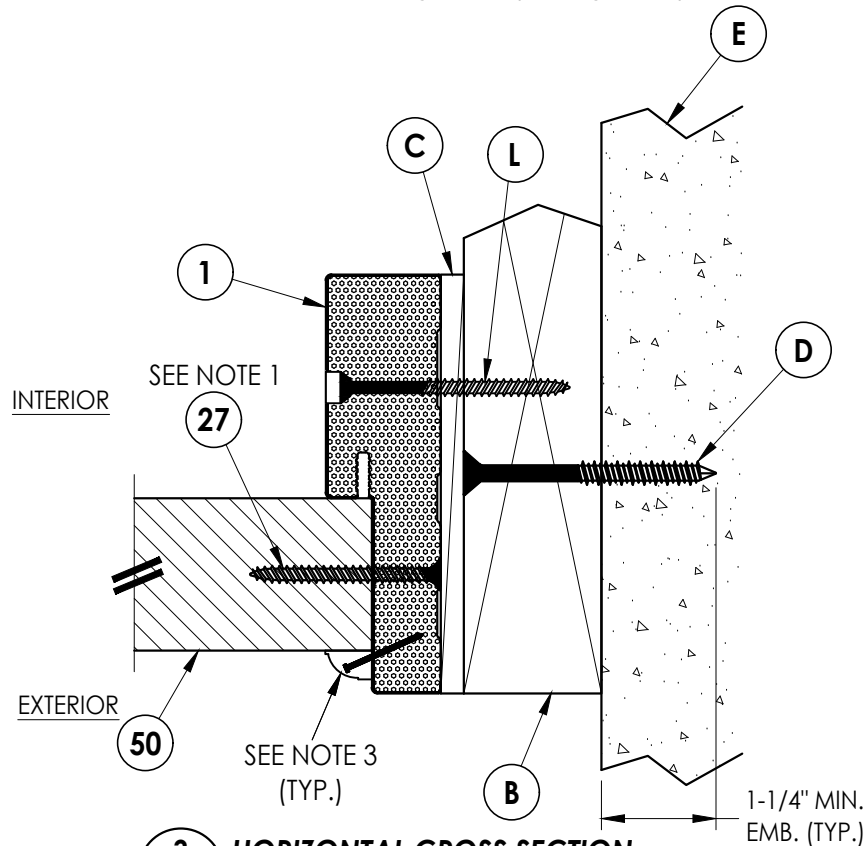
NOTES:

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

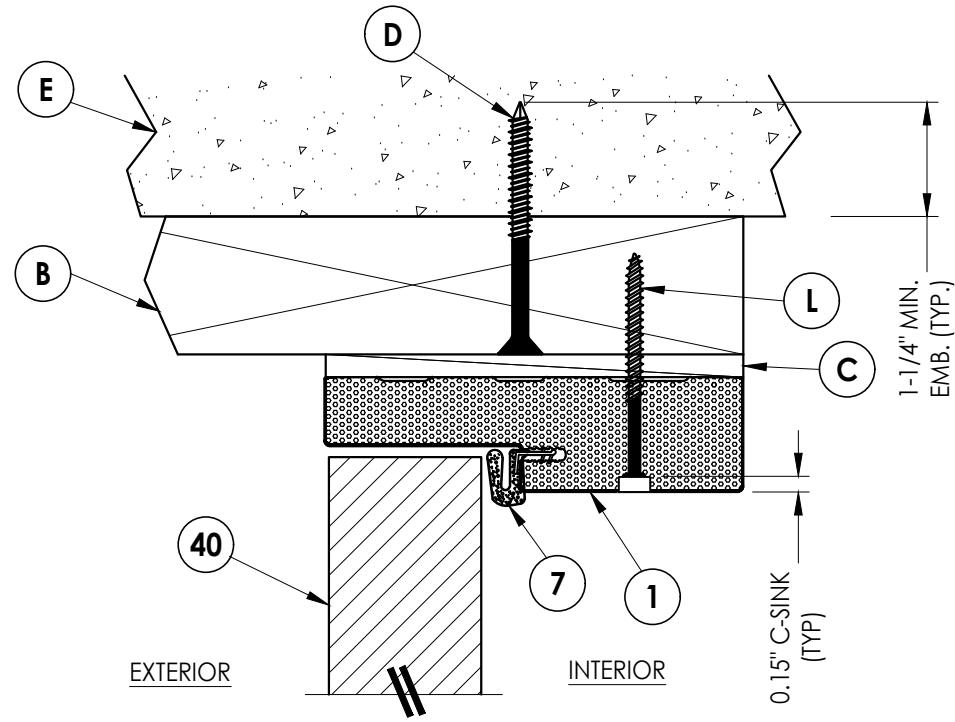


1
6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

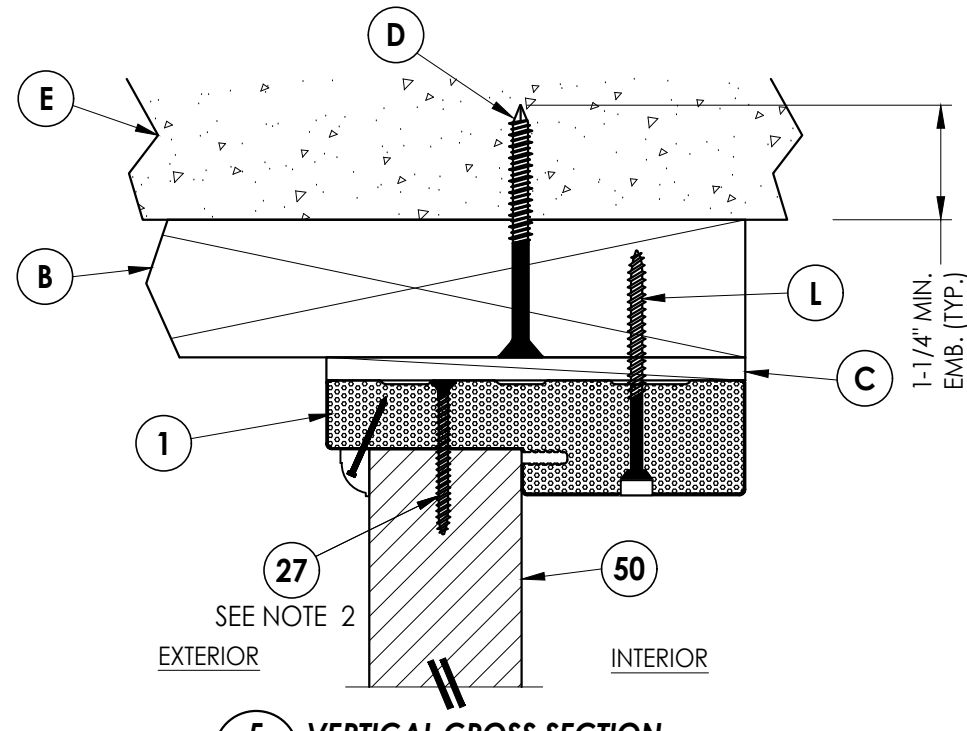
2
6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



3
6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



4
6 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



5
6 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
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: STEVES & SONS
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

NO.	DATE	REVISIONS	BY
1	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS

DATE: 8/22/24

SCALE: N.T.S.

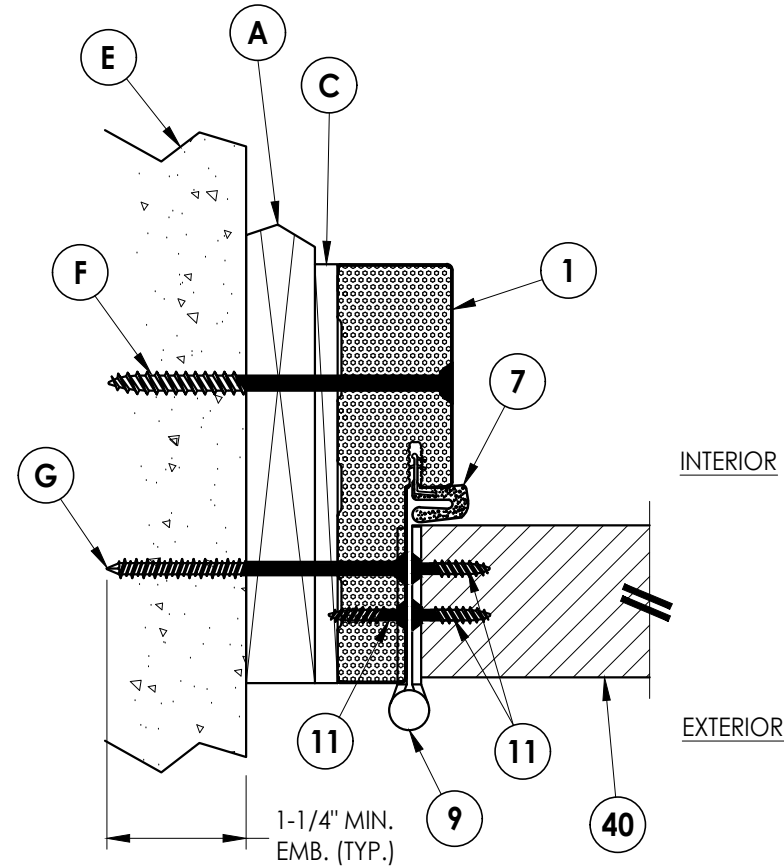
DWG. BY: RW

CHK. BY: LFS

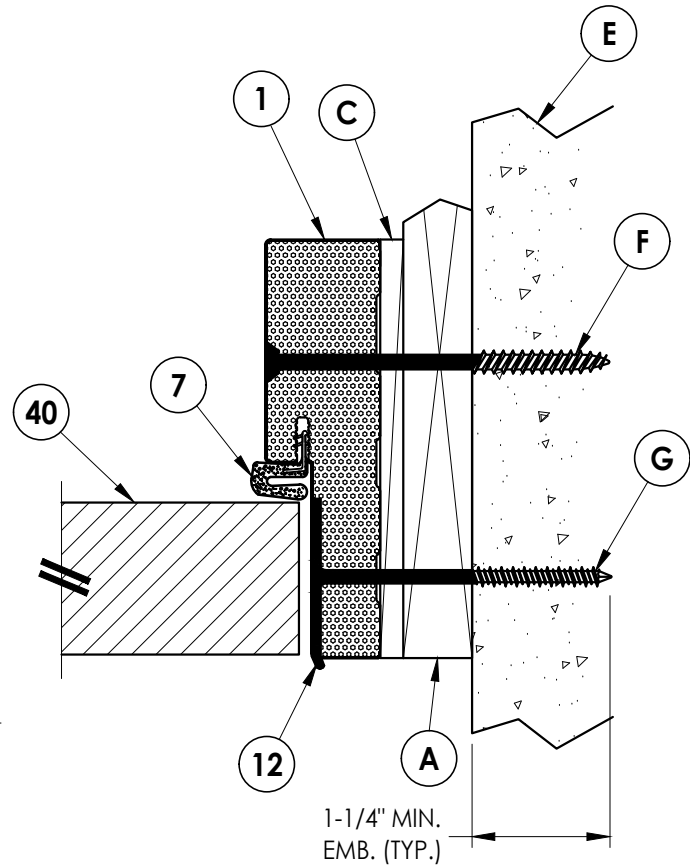
DRAWING NO.: FL-46720.2

SHEET 6 OF 12

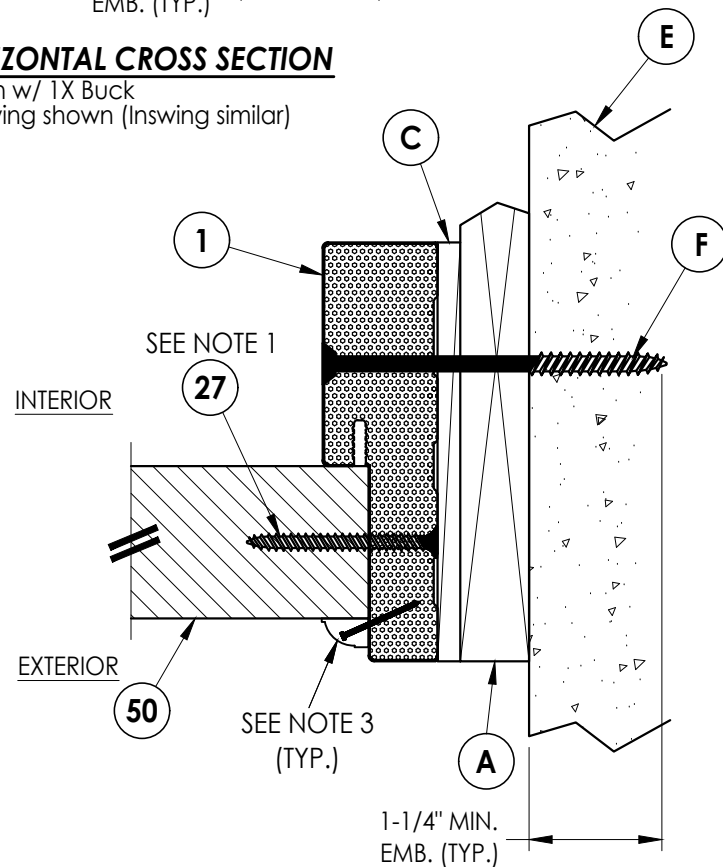
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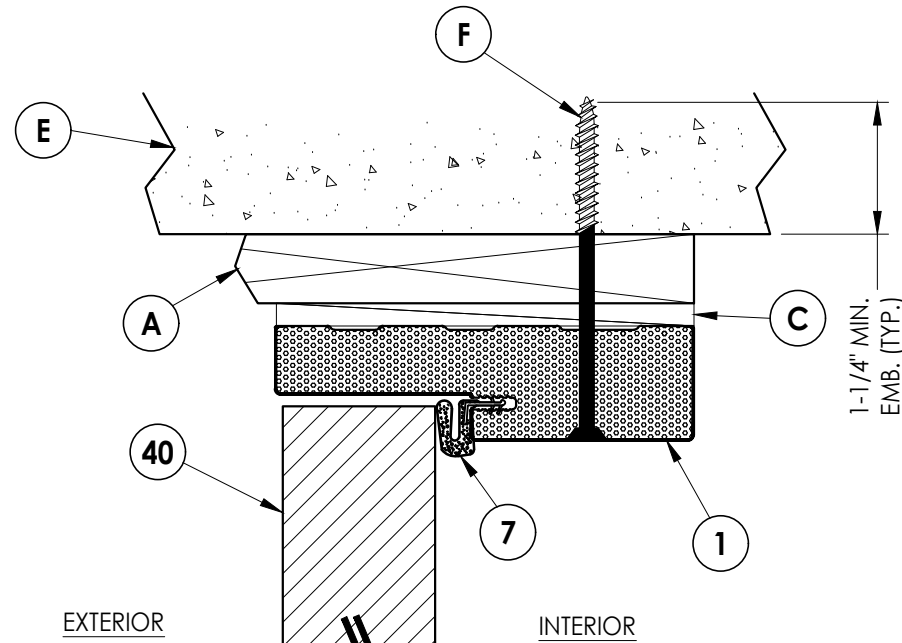
1
7 **HORIZONTAL CROSS SECTION**
Shown w/ 1X Buck
Outswing shown (Inswing similar)



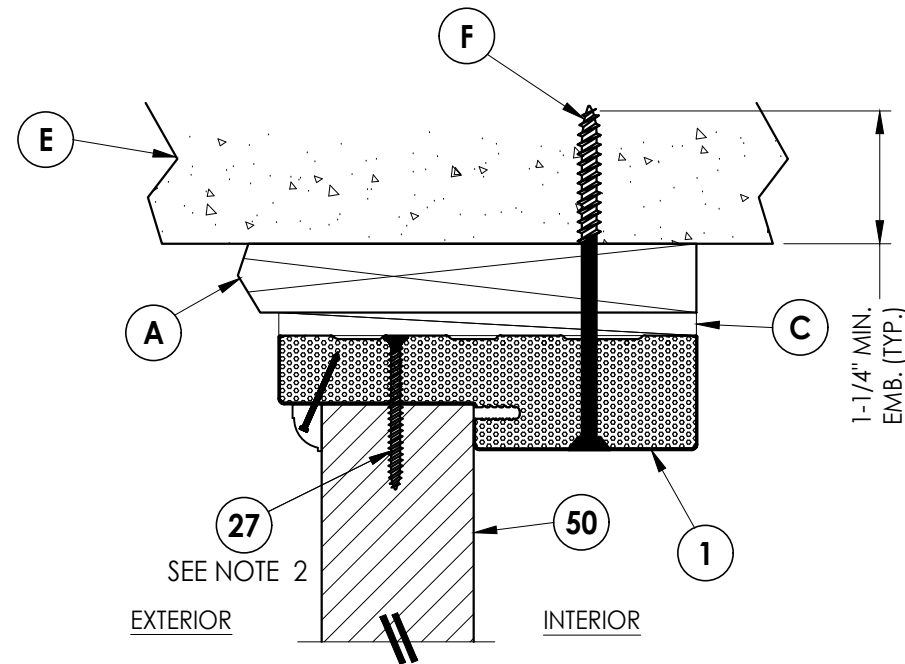
2
7 **HORIZONTAL CROSS SECTION**
Shown w/ 1X Buck
Outswing shown (Inswing similar)



3
7 **HORIZONTAL CROSS SECTION**
Shown w/ 1X Buck
Outswing shown (Inswing similar)



4
7 **VERTICAL CROSS SECTION**
Shown w/ 1X Buck
Outswing shown (Inswing similar)



5
7 **VERTICAL CROSS SECTION**
Shown w/ 1X Buck
Outswing shown (Inswing similar)

NOTES:

- Sidelite assembly screws located 6" from each end plus 6 more equally spaced along jamb (8 total).
- Sidelite assembly screws located 2" from each end (2 total).
- Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 6" 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: STEVES & SONS
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS	LFS	BY
1	7/02/26	UPDATE TO 9TH ED. (2026) FBC		

DATE: 8/22/24

SCALE: N.T.S.

DWG. BY: RW

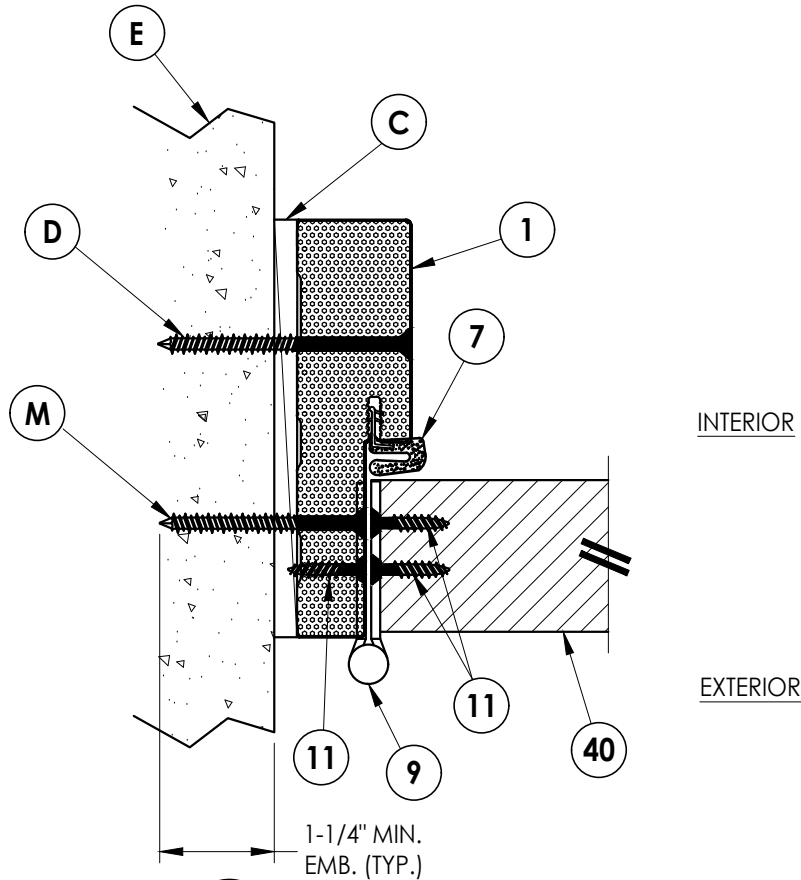
CHK. BY: LFS

DRAWING NO.:

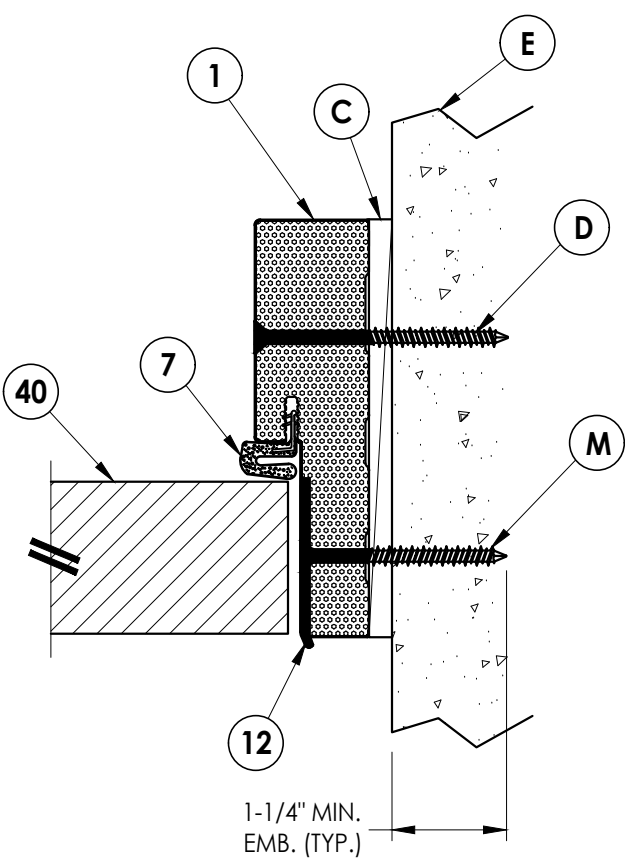
FL-46720.2

SHEET 7 OF 12

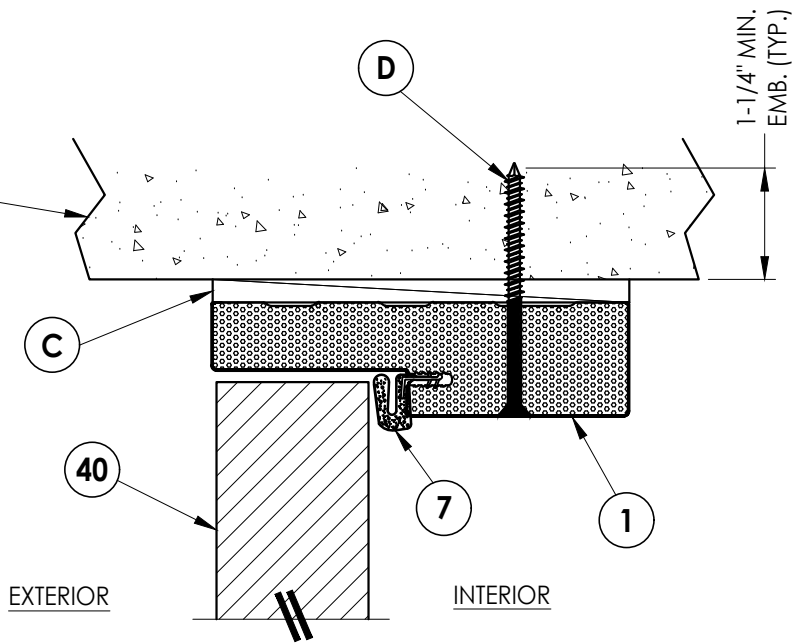
Z:\2023 FBC Drawings\Steves & Sons\FL-46720 R2\FL-46720.2.dwg



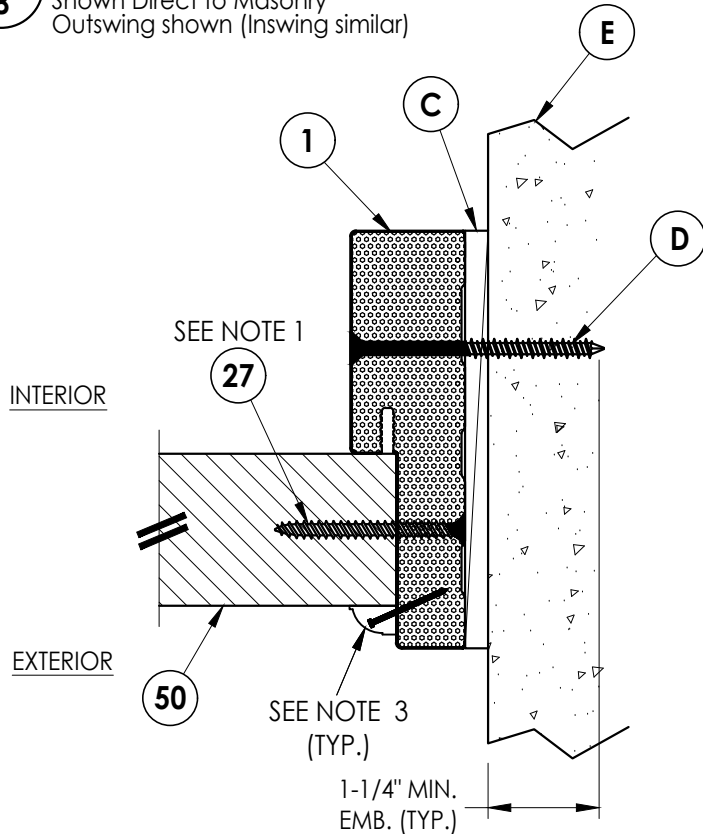
1
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



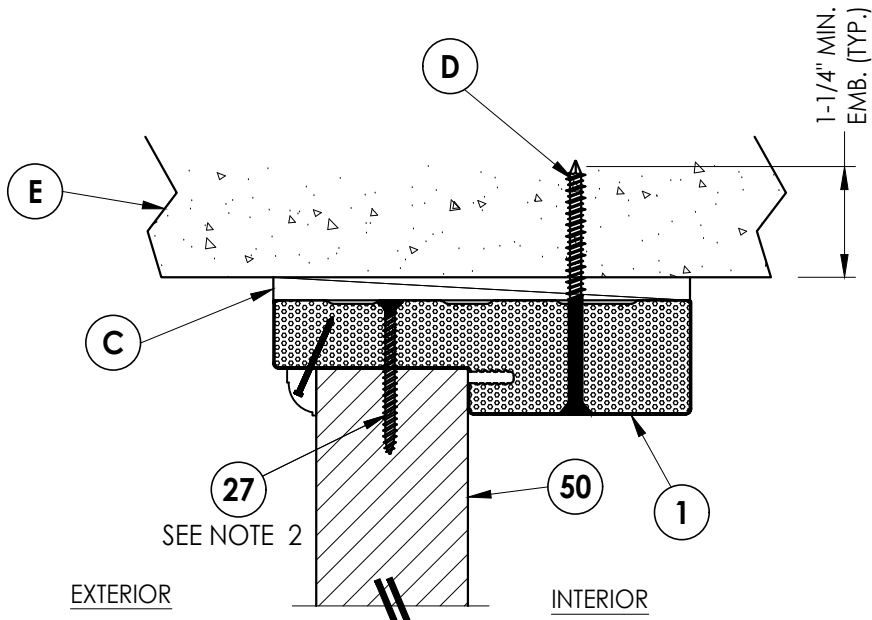
2
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



4
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



3
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



5
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

- NOTES:
1. Sidelite assembly screws located 6" from each end plus 6 more equally spaced along jamb (8 total).
 2. Sidelite assembly screws located 2" from each end (2 total).
 3. Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 6" 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: STEVES & SONS
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)

REVISIONS	
NO.	DATE
1	7/02/26
	UPDATE TO 9TH ED. (2026) FBC
	LFS
	BY

DATE: 8/22/24

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

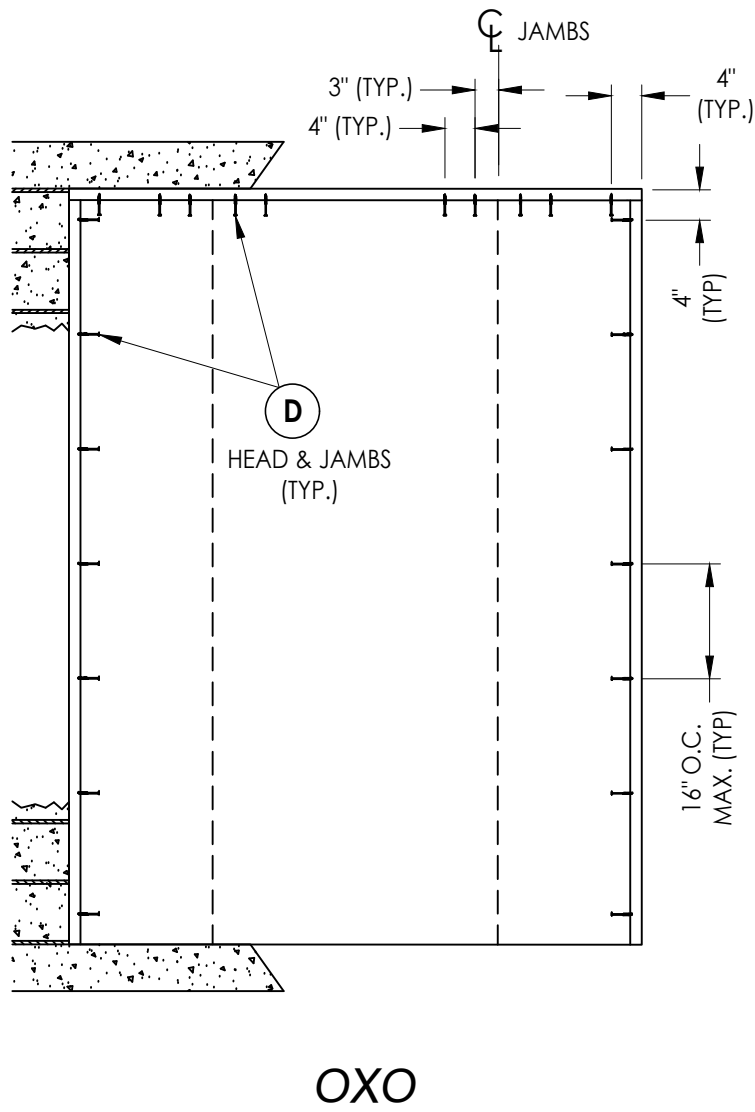
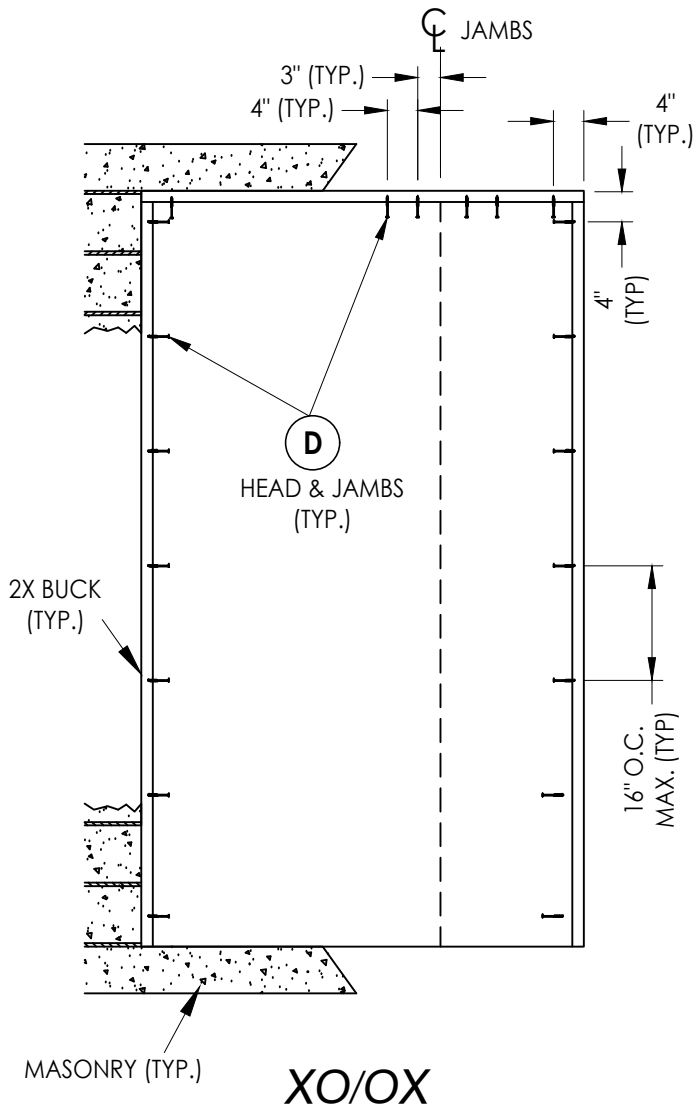
DRAWING NO.: FL-46720.2

SHEET 8 OF 12

Diagram illustrating the cross-section of a window assembly, showing the interior and exterior views. The assembly includes a frame (50) and a sash (17) with a panoramic glass (P) unit. The exterior view shows the sash (14) and the frame (E). The diagram also indicates a minimum embedment (EMB.) of 1-1/4 inches into the substrate.

Diagram illustrating the cross-section of a window assembly. The assembly includes an exterior wall, a window unit (50), and an interior wall. A vertical bolt (D) is shown passing through the interior wall and into the foundation (E). The bolt is secured with a nut and washer. A dimension line indicates a minimum embedding depth of 1-1/4" MIN. EMB. (TYP.) into the foundation.

DATE: 8/22/24		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	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-46720.2			
SHEET 9 OF 12			
NO. 1			
DATE 7/02/26			
UPDATE TO 9TH ED. (2026)			
FBC			
LFS			
BY			
REVISIONS			
PART OR ASSEMBLY:		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
STEVES & SONS FIBERGLASS DOOR			
PRODUCT:			



2X BUCK ANCHORING

DATE: 8/22/24	
SCALE: N.T.S.	
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.: FL-46720.2	
SHEET	10 OF 12

NO.	DATE	DESCRIPTION
1	7/02/26	UPDATE TO 9TH ED. (2026) FBC
		LFS
		BY

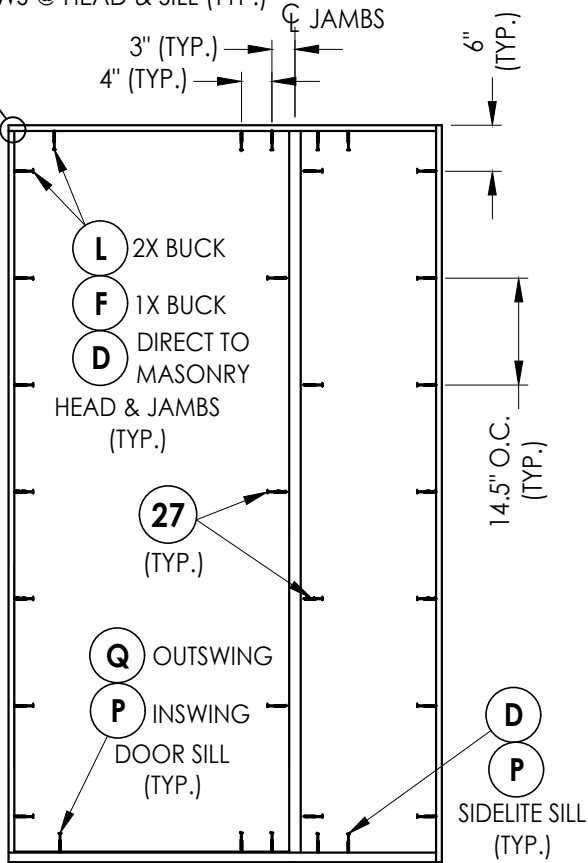
PRODUCT:	STEVES & SONS FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

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

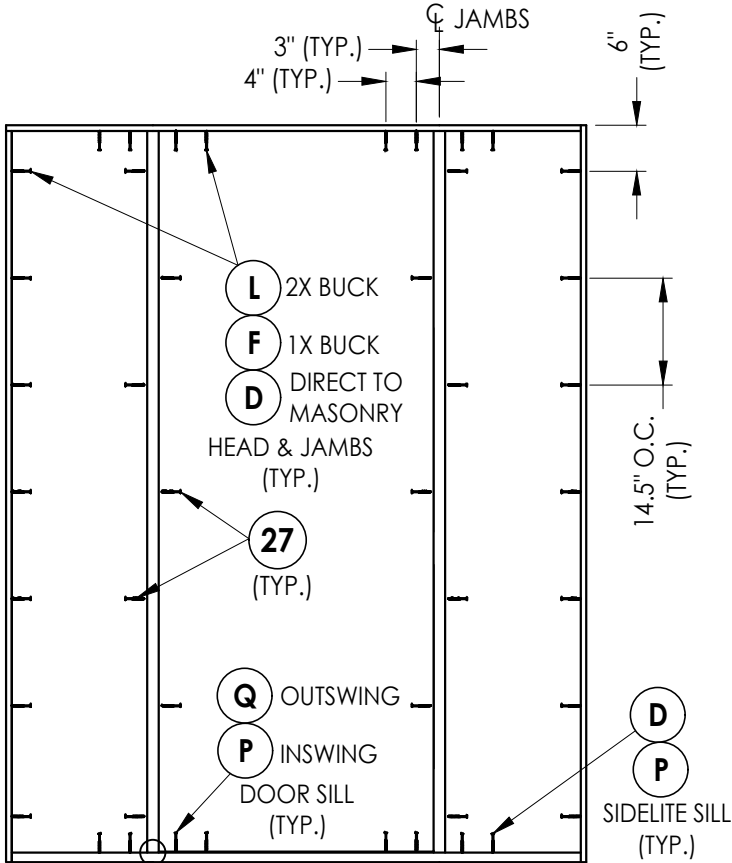
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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FRAME CORNERS ATTACHED w/ (3) 7/16" CROWN X 1-1/2" LONG 16 GA. STAPLES & (2) #7 X 1-5/8" DRYWALL SCREWS @ HEAD & SILL (TYP.)



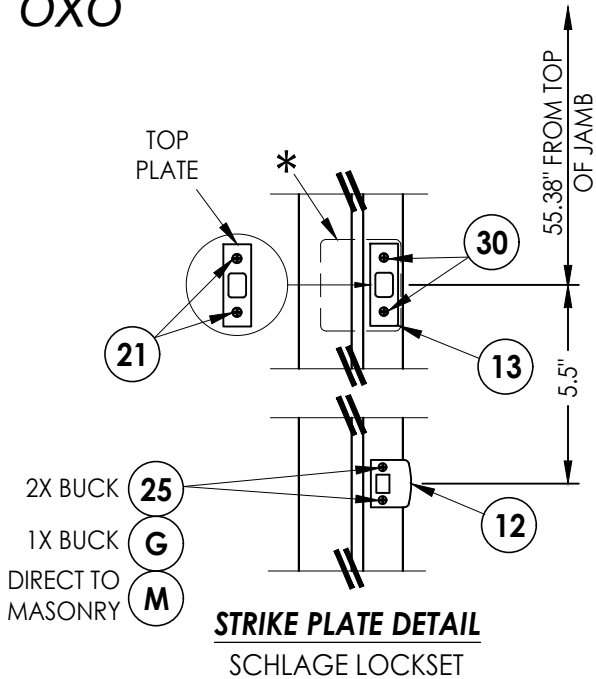
XO, OX



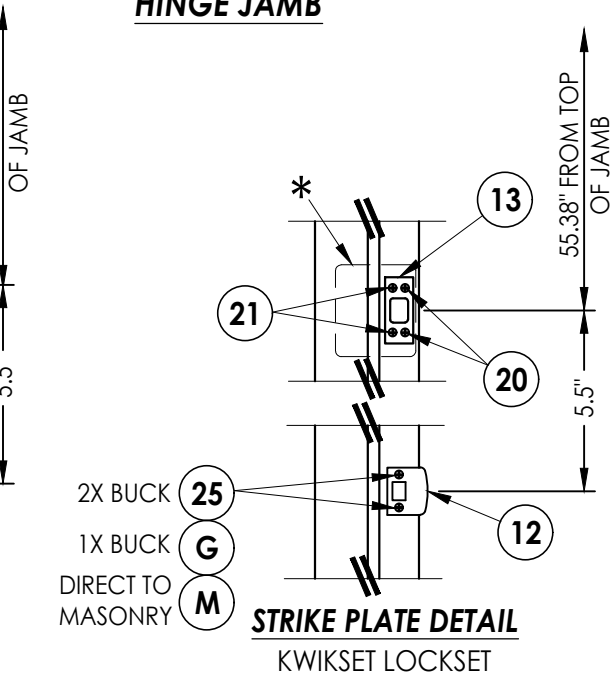
OXO

INTEGRAL MULLION ATTACHED TO HEAD & SILL (TYP.) w/ #9 X 2-1/2" DEEP THREAD WOOD SCREWS AS FOLLOWS: (3) @ HEAD & (3) @ SILL

FRAME ANCHORING



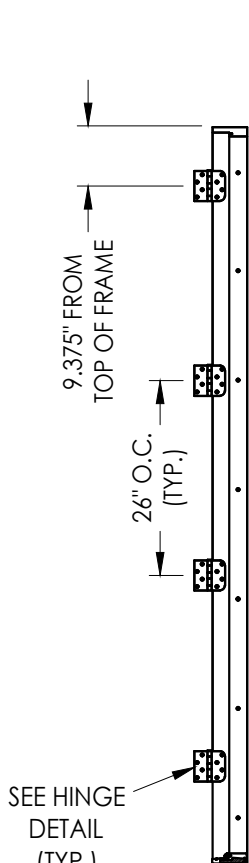
STRIKE PLATE DETAIL
SCHLAGE LOCKSET



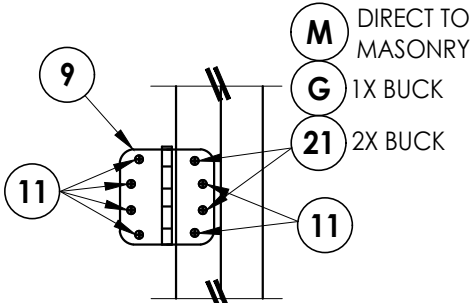
STRIKE PLATE DETAIL
KWIKSET LOCKSET

* 4" X 4" 20 GA. STEEL PLATE ATTACHED TO BACK OF JAMB w/ (2) 3/8" T50 STAPLES (CENTER-HINGED OX/XO ONLY)

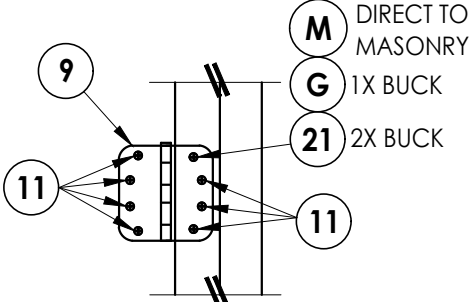
HARDWARE DETAILS



HINGE JAMB



HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING

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: STEVES & SONS FIBERGLASS DOOR				PART OR ASSEMBLY: FRAME ANCHORING & HARDWARE DETAILS			
DATE: 8/22/24				1 7/02/26 UPDATE TO 9TH ED. (2026) FBC LFS			
SCALE: N.T.S.				NO. DATE BY			
DWG. BY: RW				REVISIONS			
CHK. BY: LFS							
DRAWING NO.: FL-46720.2							
SHEET 11 OF 12							

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
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
P	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB	COMP
3	COMPOSITE MULLION	COMP/LVL
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	4-1/2" X 4-1/2" HINGE	STEEL
11	#12 X 1-1/4" PFH WOOD SCREW	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
17	INSWING SIDELITE ADAPTER	PVC
18	#8 X 3" SD TRIM SCREW	STEEL
20	#8 X 1/2" PFH WOOD SCREW	STEEL
21	#12 X 2-1/2" PFH WOOD SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#7 X 1-5/8" DRYWALL SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-

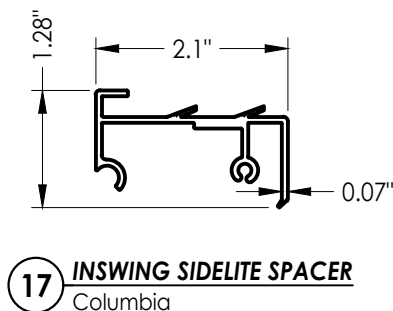
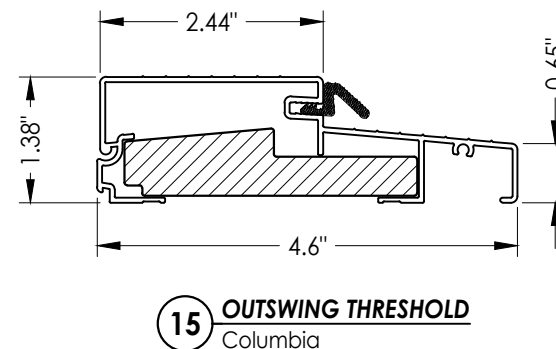
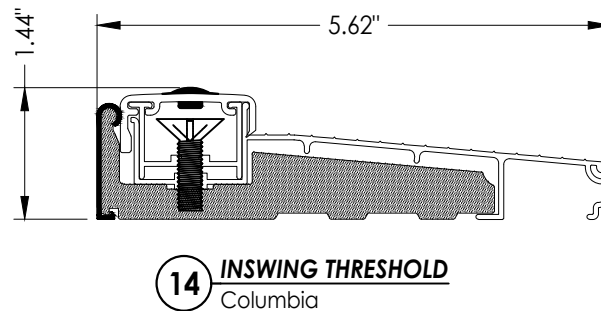
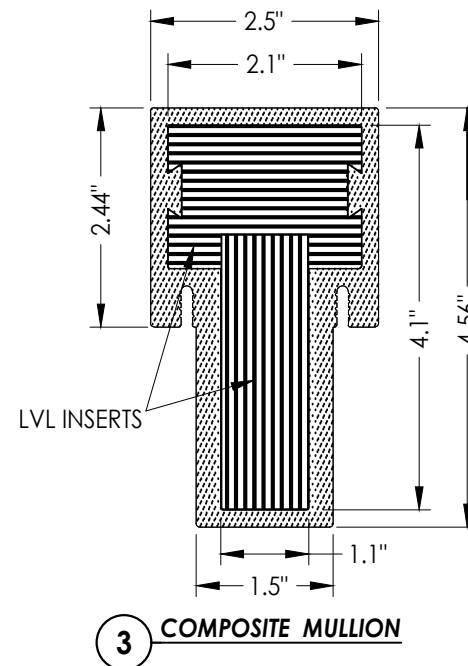
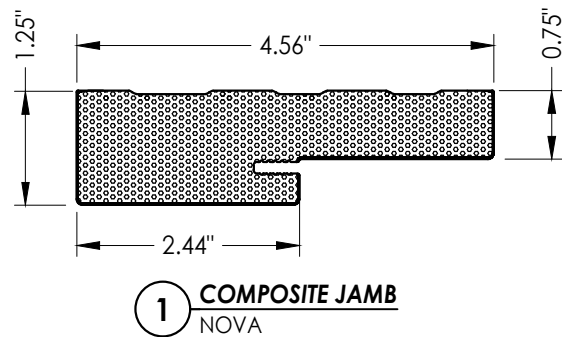
CONCRETE ANCHOR NOTES:

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 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:

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



DATE:		8/22/24	
SCALE:		N.T.S.	
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.:			
FL-46720.2			
SHEET		OF	
12		12	