

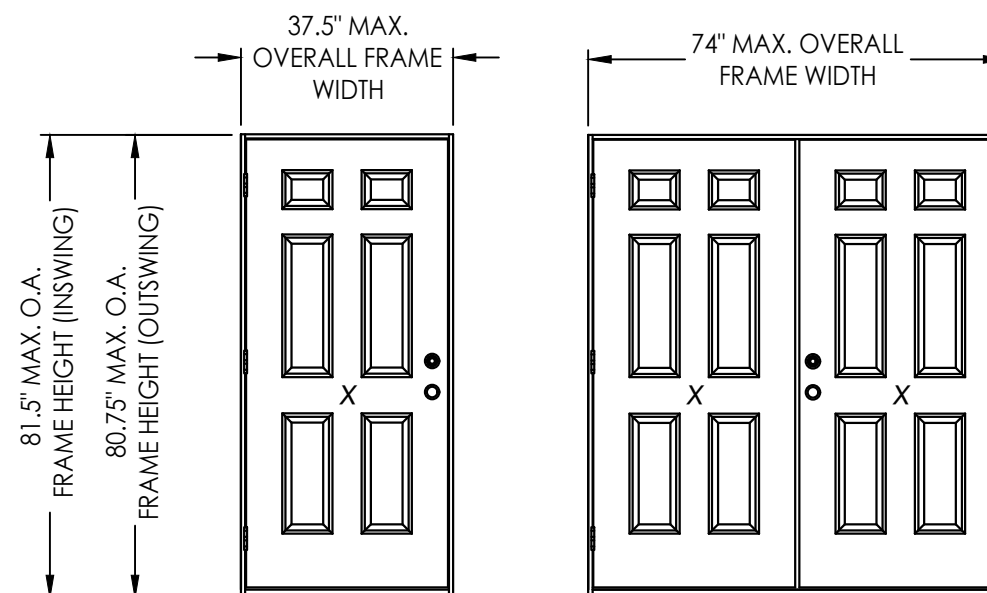


INSWING/OUTSWING "NON-IMPACT"

1. 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).
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 of the FBC.
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.

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.

RELIANT COLLECTION



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 81.5"	+60.0	-60.0	+60.0	-60.0
XX	74.0" x 81.5"	+60.0	-60.0	+60.0	-60.0

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:

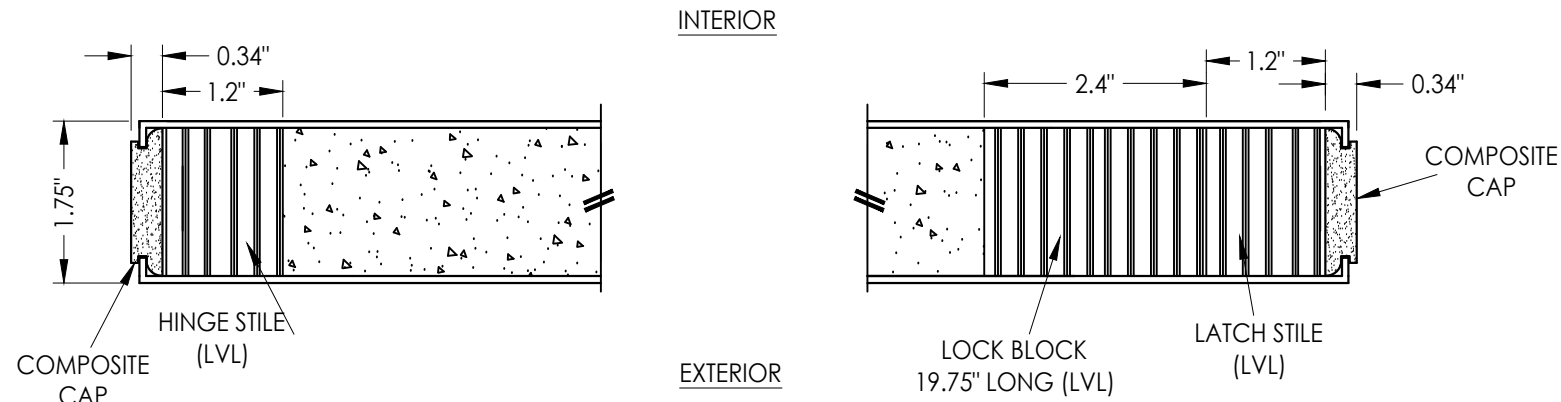
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

[illegible]

DATE:	8/10/22
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-41477.5
SHEET	1 OF 10

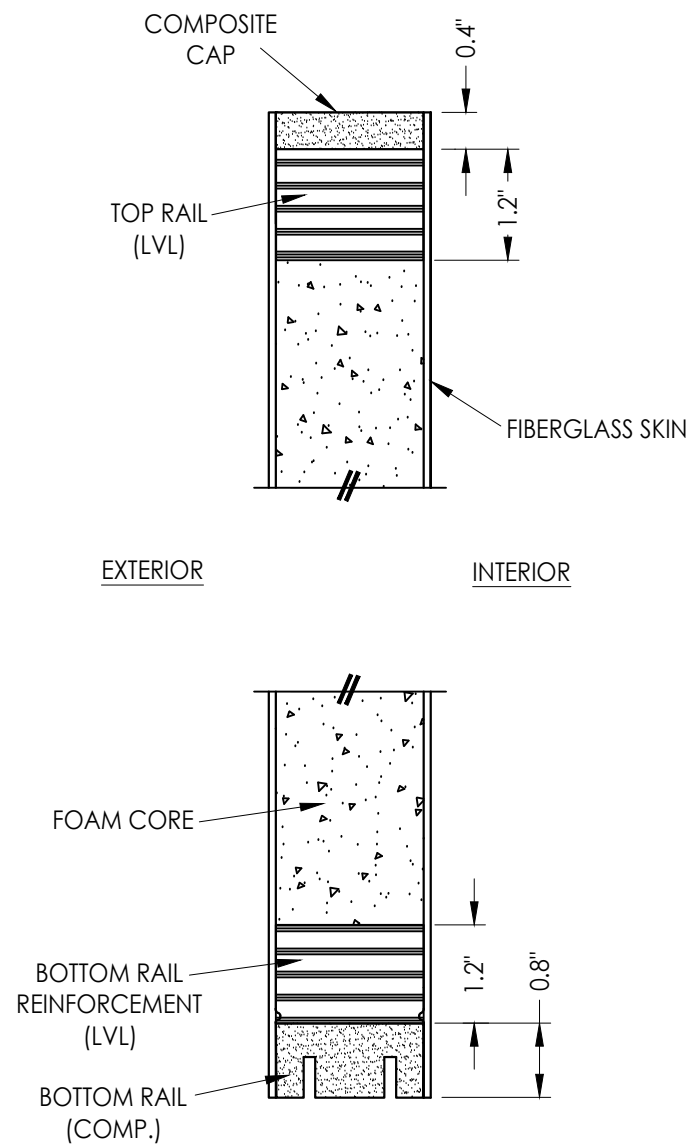
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1 HORIZONTAL CROSS SECTION



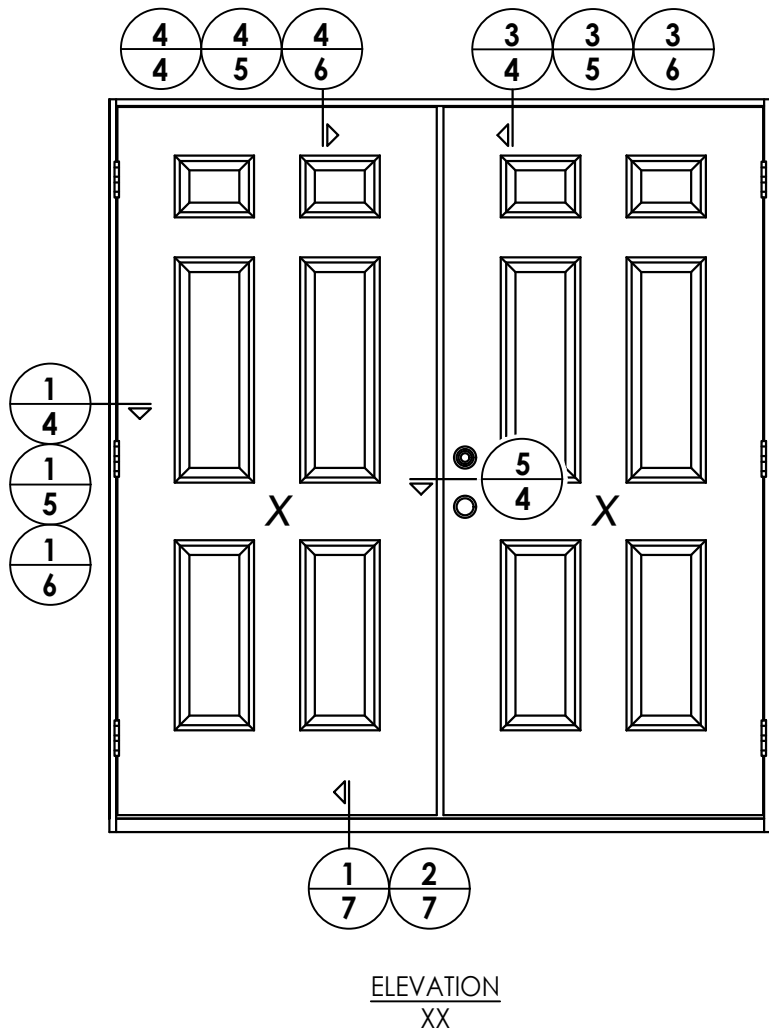
HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	LATCH:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
SCHLAGE	LATCH:	F51
	DEADBOLT:	B60N

FIBERGLASS DOOR SKIN: MIN. 0.07" THK.
CORE MATERIAL: POLYURETHANE FOAM

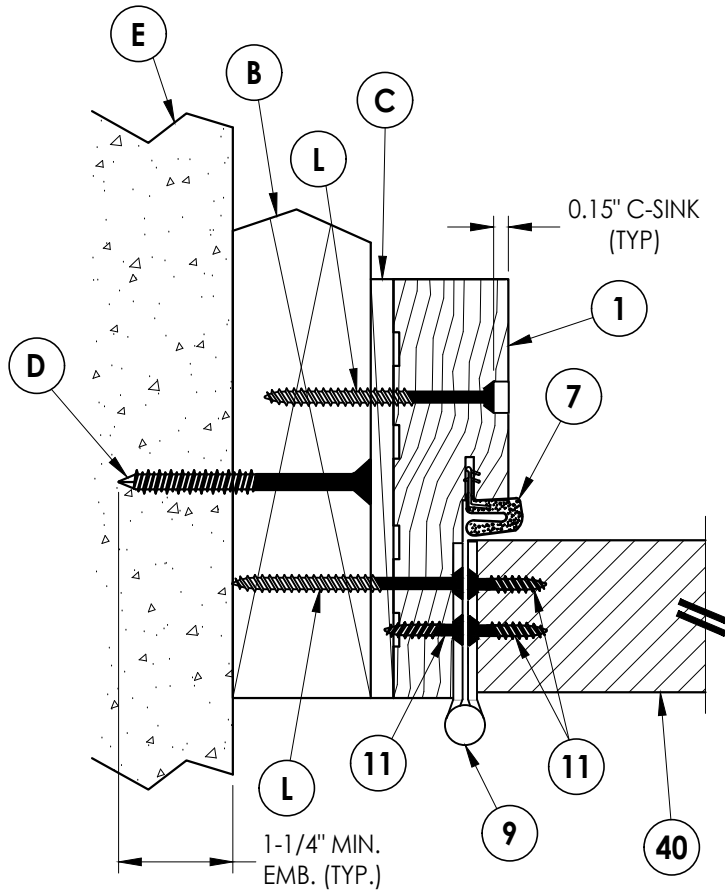


2 VERTICAL CROSS SECTION
2

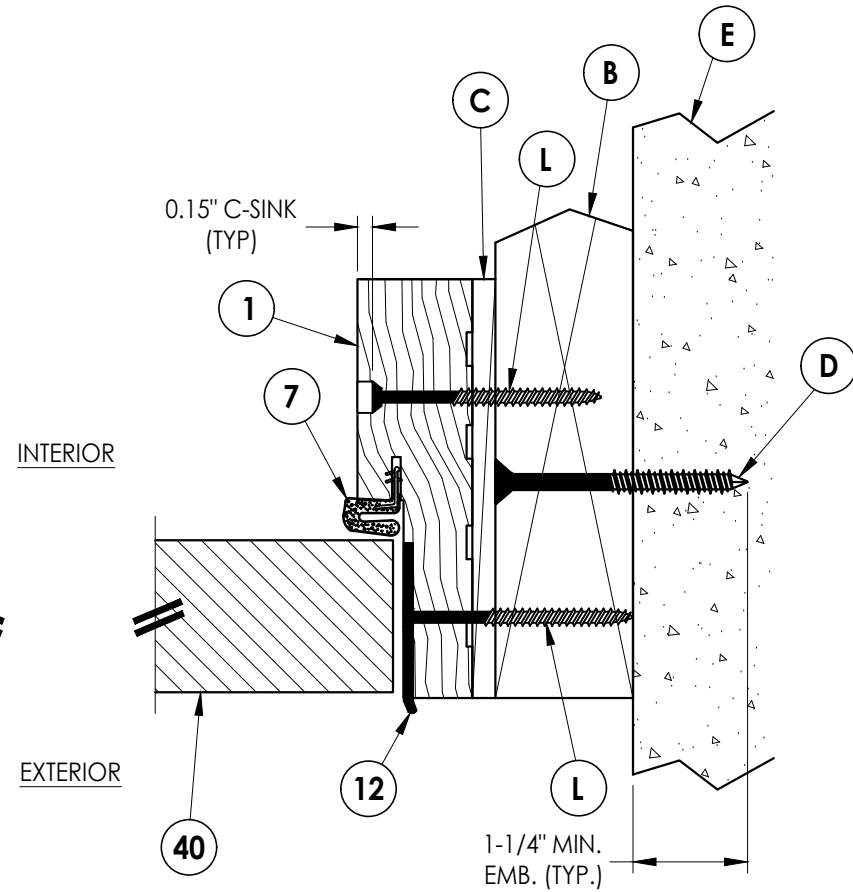
DATE: 8/10/22		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		STEVES & SONS		Lyndon F. Schmidt	
DWG. BY: RW		FIBERGLASS DOOR		P.E. No. 43409	
CHK. BY: LFS		PART OR ASSEMBLY:		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DRAWING NO.: FL-41477.5		DOOR			
SHEET 2 OF 10		PANEL DETAILS			
2	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
1	8/02/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
NO.	DATE			BY	
				REVISIONS	



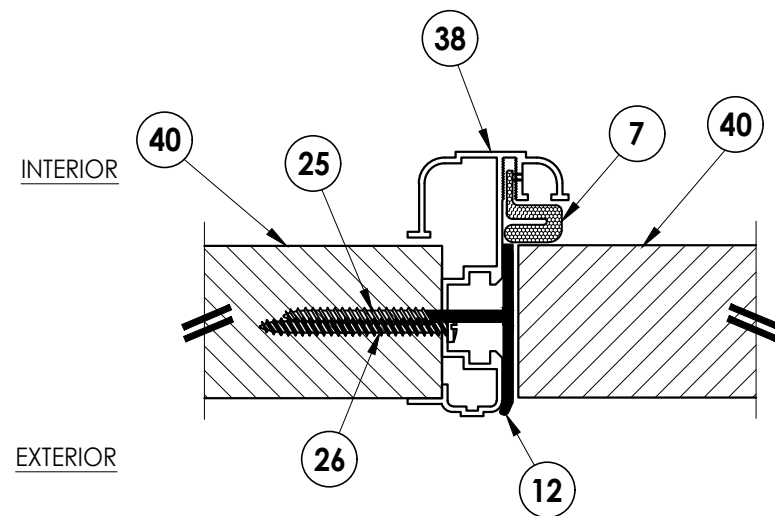
DATE: 8/10/22		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		STEVES & SONS		Lyndon F. Schmidt	
DWG. BY: RW		FIBERGLASS DOOR		P.E. No. 43409	
CHK. BY: LFS		PART OR ASSEMBLY:		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DRAWING NO.: FL-41477.5		ELEVATIONS			
SHEET 3 OF 10					



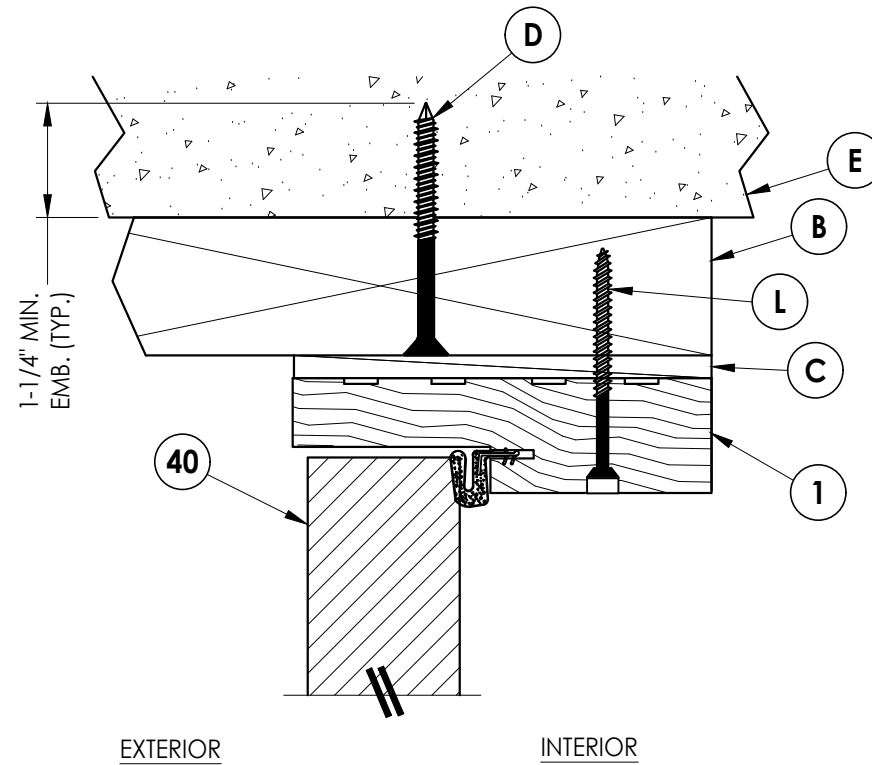
1
4 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



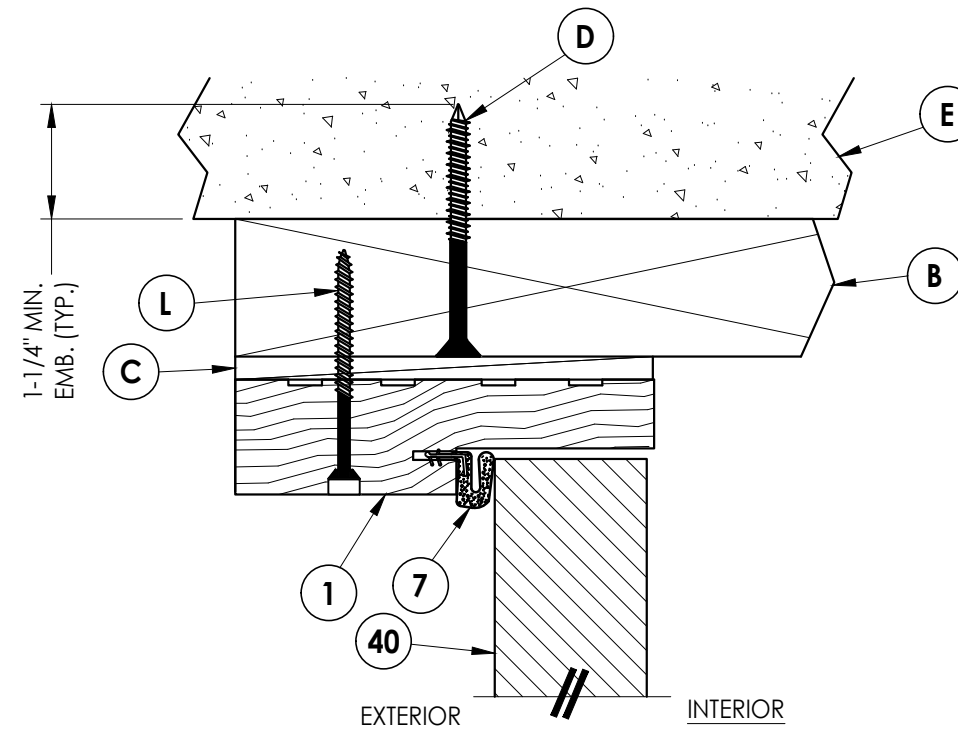
2
4 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



5
4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



3
4 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown



4
4 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown

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

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FBPE Registry No. 9813

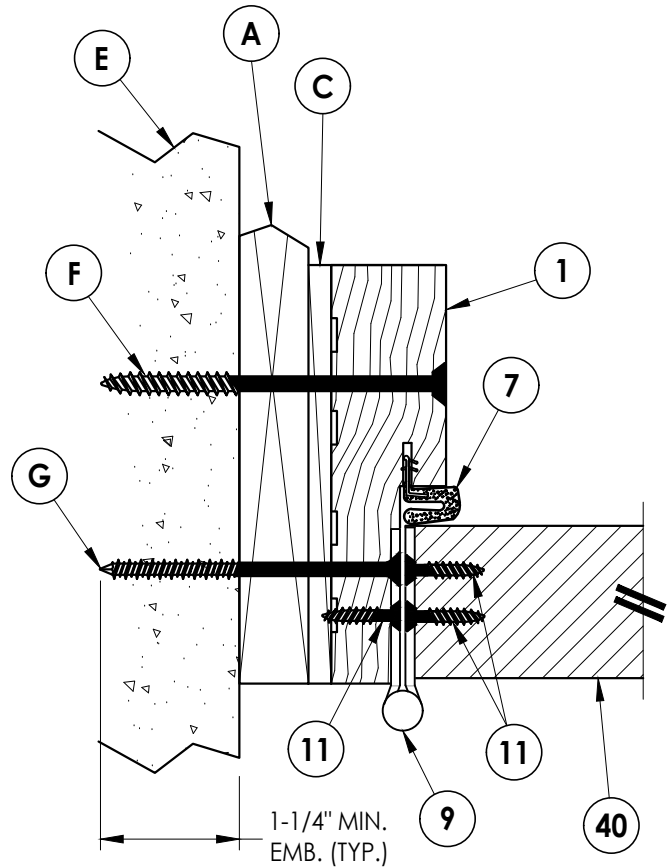
PRODUCT:
STEVES & SONS
FIBERGLASS DOOR

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

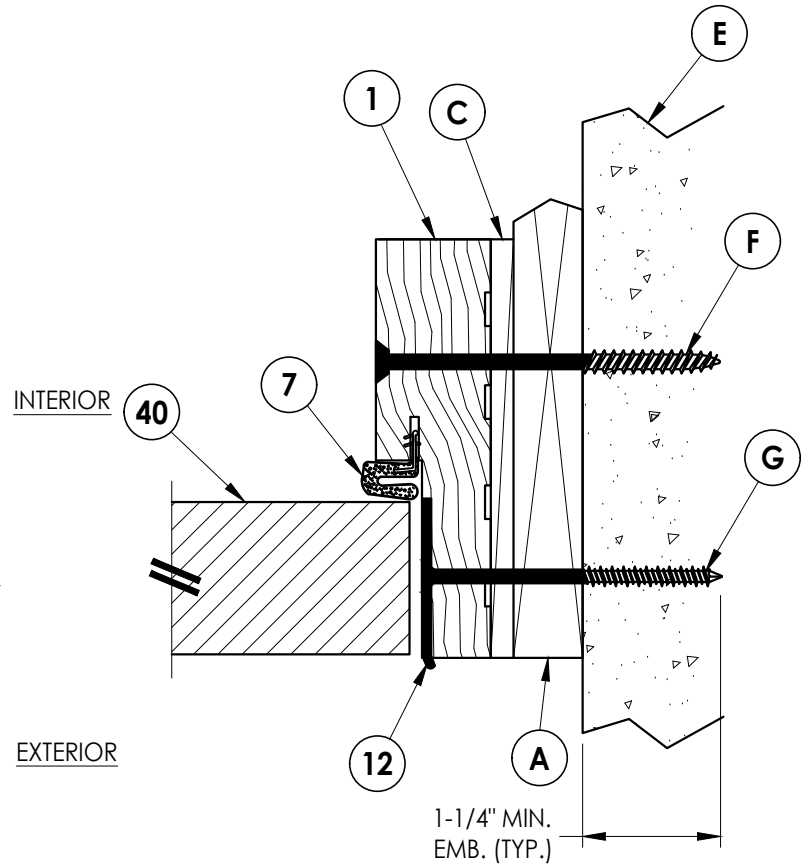
NO.	DATE	REVISIONS
2	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
1	8/02/23	UPDATE TO 8TH ED. (2023) FBC LFS

DATE: 8/10/22
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-41477.5
SHEET 4 OF 10

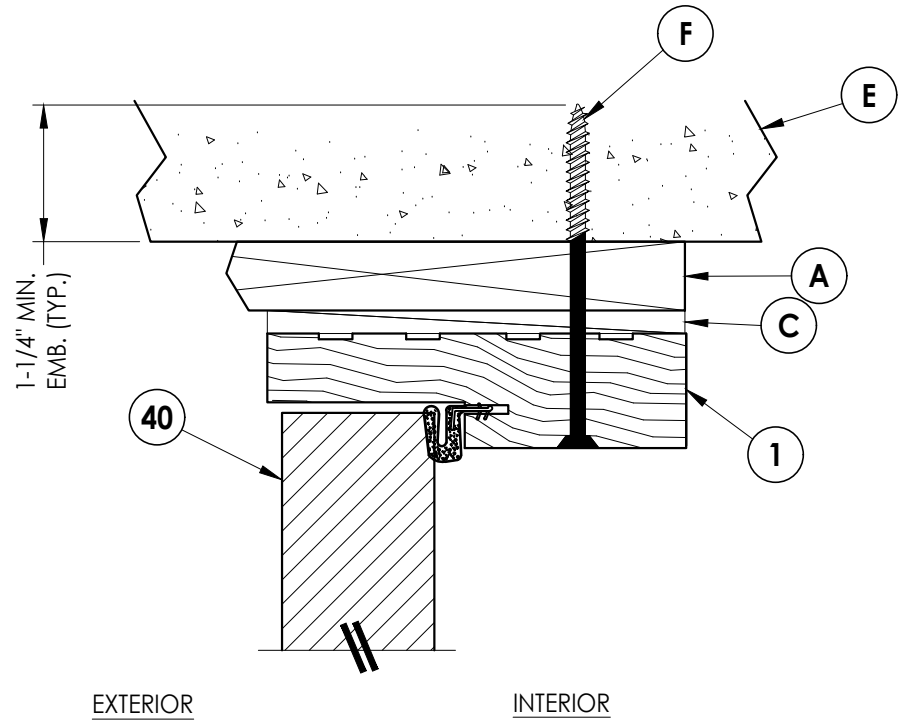
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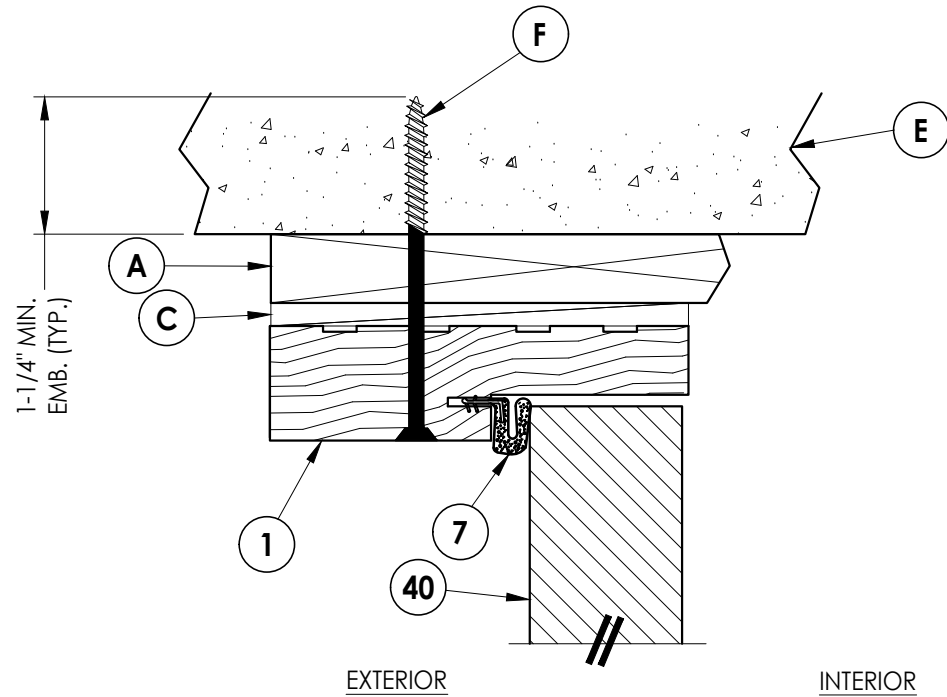
1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 1X Buck
Outswing shown (Inswing similar)



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



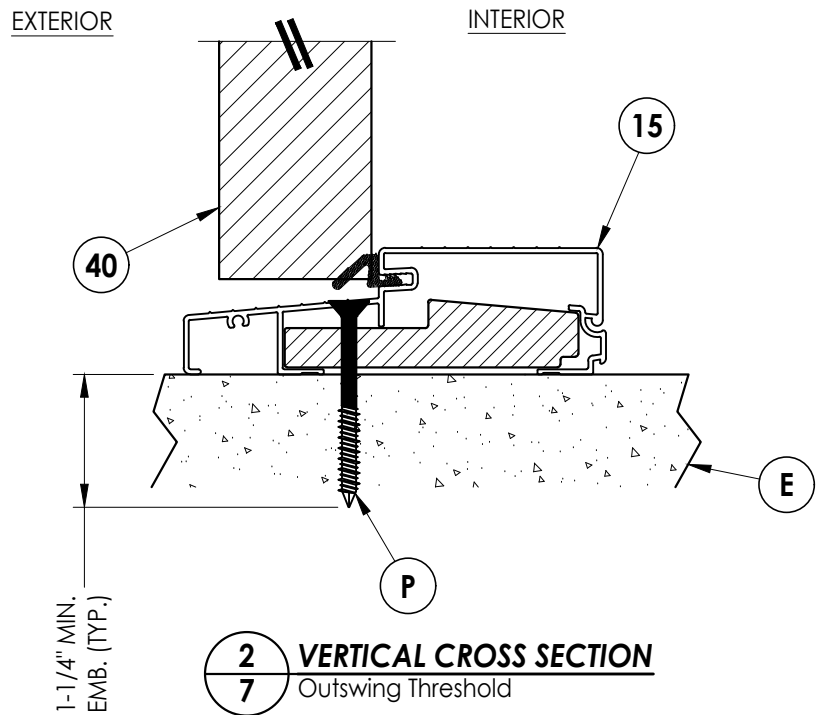
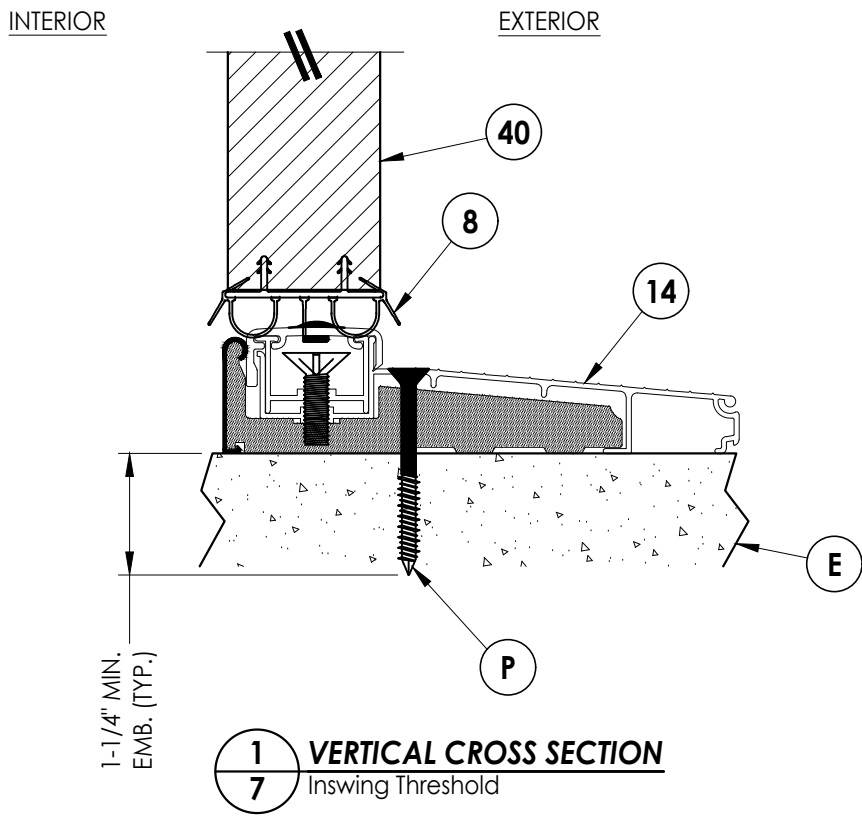
3
5 **VERTICAL CROSS SECTION**
Shown w/ 1X Buck
Outswing shown



4
5 **VERTICAL CROSS SECTION**
Shown w/ 1X Buck
Inswing shown

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				RWBUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT:		STEVE'S & SONS FIBERGLASS DOOR		PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
				LFS	FBC	LFS	BY
				2	7/02/26	UPDATE TO 9TH ED. (2026)	
				1	8/02/23	UPDATE TO 8TH ED. (2023)	
				NO.	DATE		
DATE: 8/10/22				REVISIONS			
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-41477.5							
SHEET 5 OF 10							

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DATE: 8/10/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-41477.5

SHEET 7 OF 10

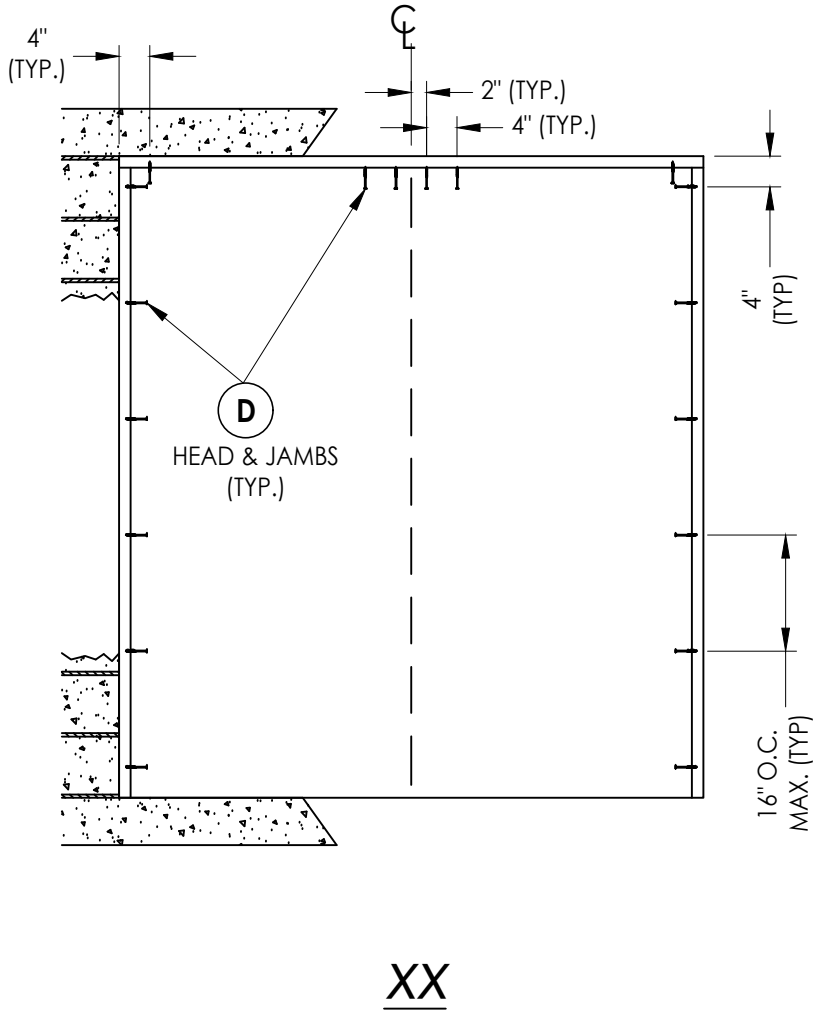
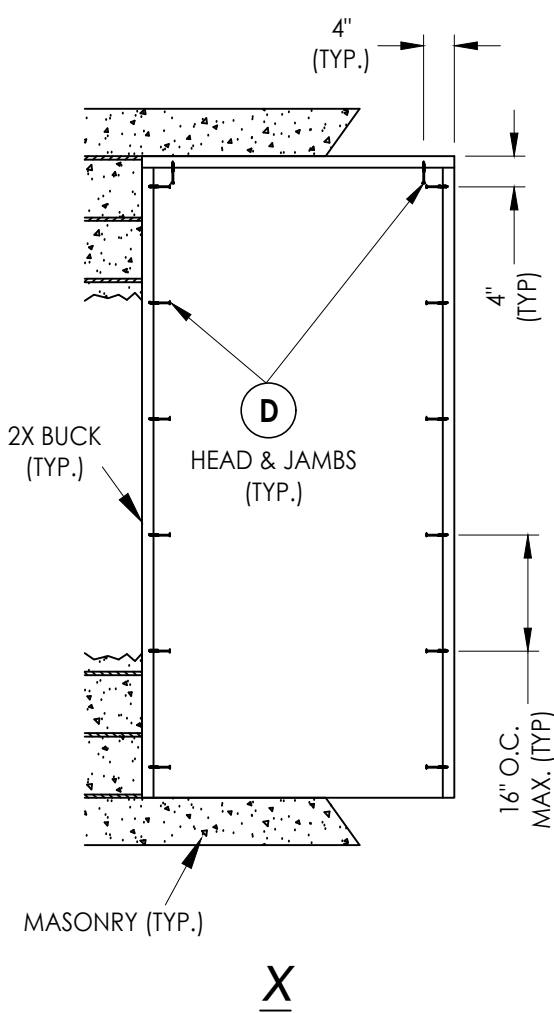
NO.	DATE	REVISIONS
2	7/02/26	UPDATE TO 9TH ED. (2026) FBC
1	8/02/23	UPDATE TO 8TH ED. (2023) FBC
		BY

PRODUCT:	STEVES & SONS FIBERGLASS DOOR
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

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

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

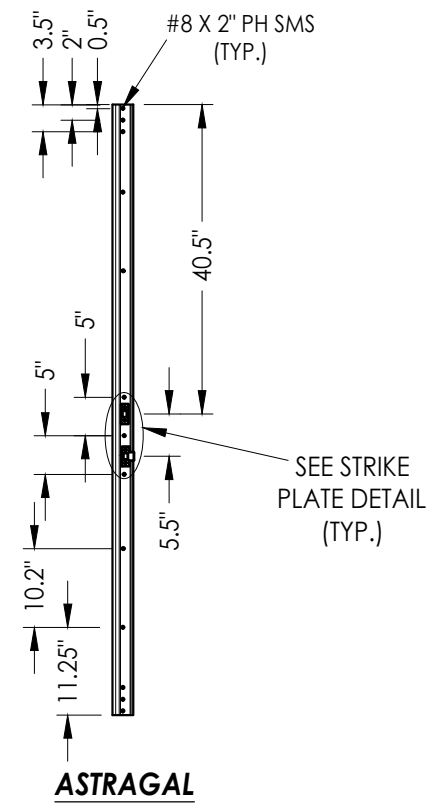
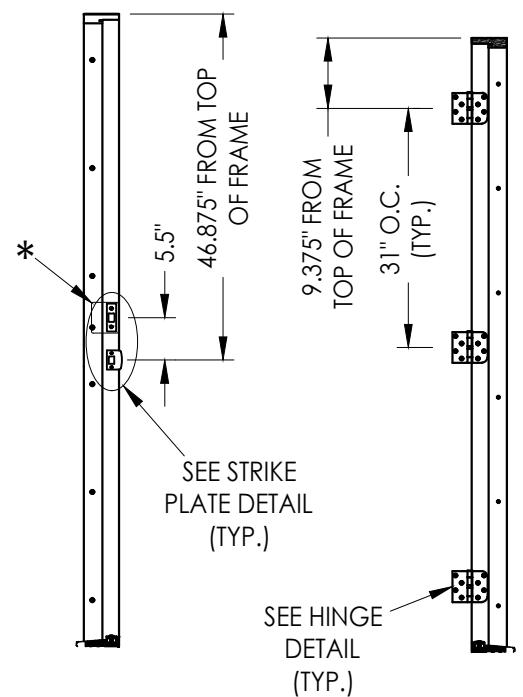
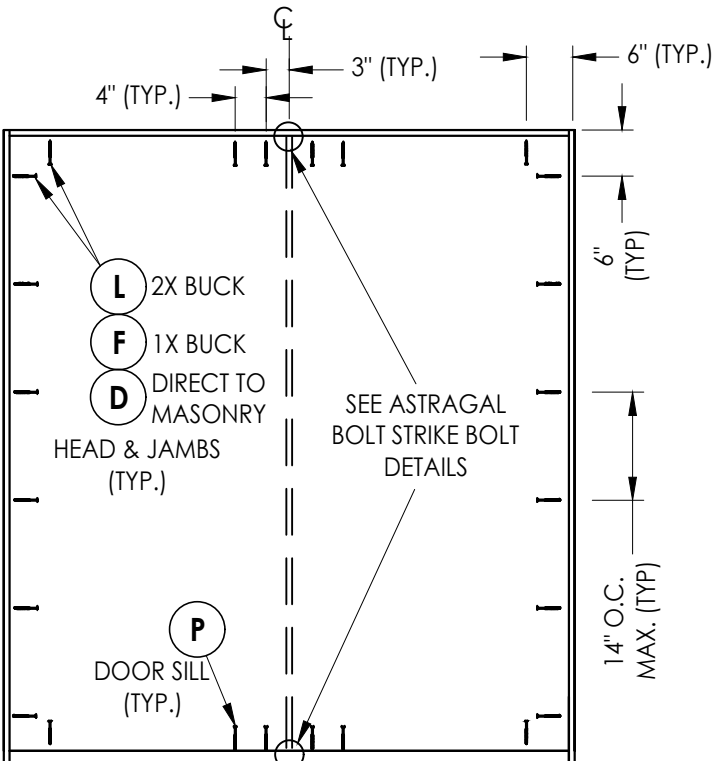
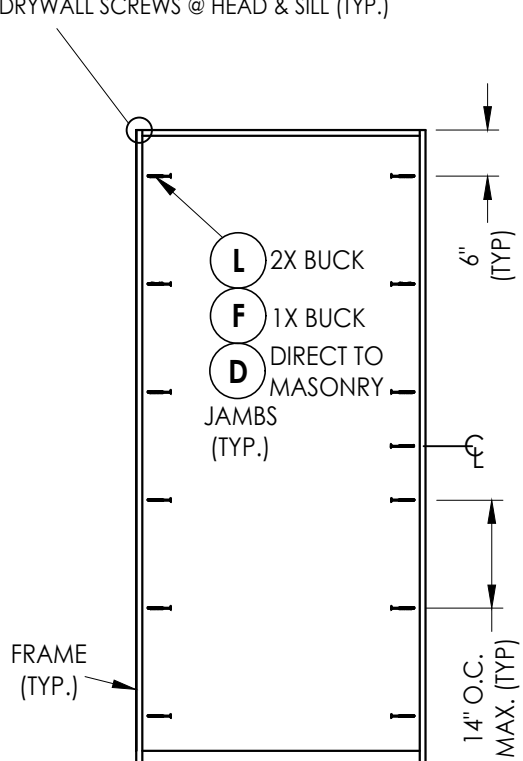
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2X BUCK ANCHORING

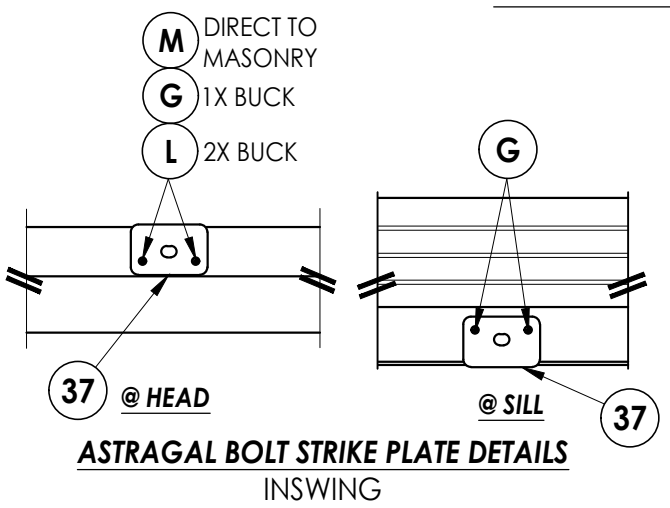
DATE: 8/10/22				PRODUCT:		STEVES & SONS FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
SCALE: N.T.S.											
DWG. BY: RW				PART OR ASSEMBLY: BUCK ANCHORING							
CHK. BY: LFS											
DRAWING NO.: FL-41477.5				REVISIONS							
SHEET 8 OF 10											

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

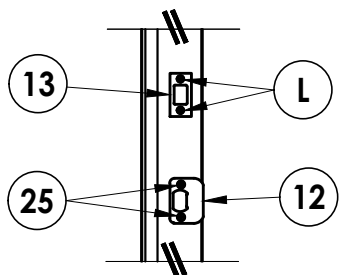


ASTRAGAL SCREWS LOCATED AS SHOWN w/ (3) LOCATED ON EACH SIDE OF LOCK & DEADBOLT STRIKE PLATES (13 SCREWS TOTAL)

X
FRAME ANCHORING



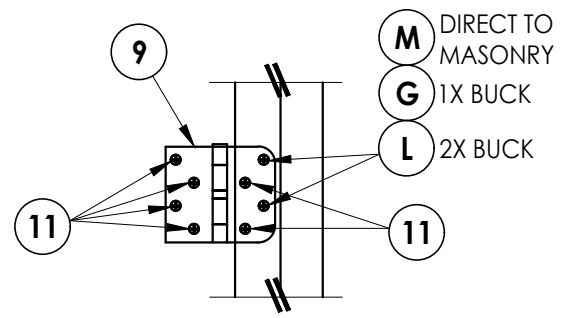
XX
STRIKE JAMB



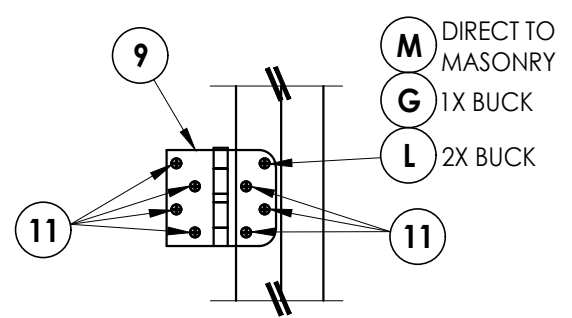
* 3.5" X 4" 20 GA. STEEL PLATE ATTACHED TO BACK OF LOCK JAMB w/ (4) 1" CROWN X 5/8" LONG 16 GA. STAPLES

HINGE JAMB

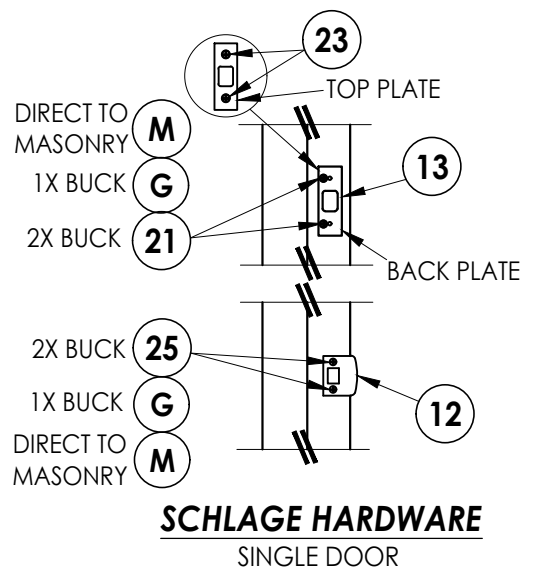
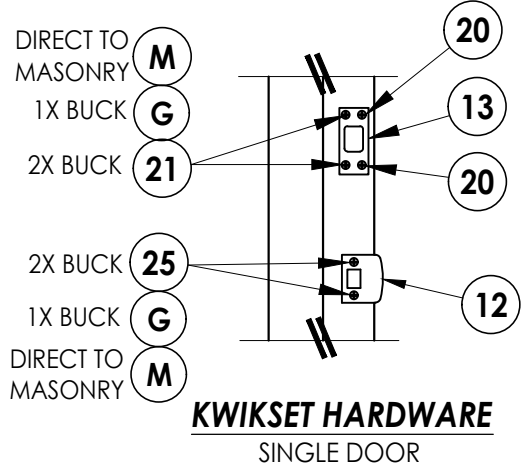
HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING



STRIKE PLATE DETAIL
DOUBLE DOOR



HARDWARE DETAILS

KWIKSET HARDWARE
SINGLE DOOR

SCHLAGE HARDWARE
SINGLE DOOR

ASTRAGAL BOLT STRIKE PLATE DETAILS
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	
		LFS	BY
		2 7/02/26	UPDATE TO 9TH ED. (2026) FBC
		1 8/02/23	UPDATE TO 8TH ED. (2023) FBC
		NO.	DATE
REVISIONS			
DATE: 8/10/22			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-41477.5			
SHEET 9 OF 10			

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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	WOOD JAMB	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	4" X 4" HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
20	#9 X 1/2" PFH WOOD SCREW	STEEL
21	#12 X 2-1/2" PFH WOOD SCREW	STEEL
23	#8 X 3/4" PFH WOOD SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
26	#8 X 2" PH SMS	STEEL
37	ASTRAGAL STRIKE PLATE	STEEL
38	ALUMINUM ASTRAGAL	ALUM
40	DOOR PANEL	-

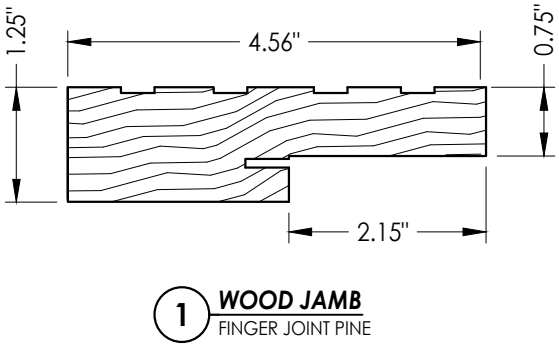
CONCRETE ANCHOR NOTES:

- 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:

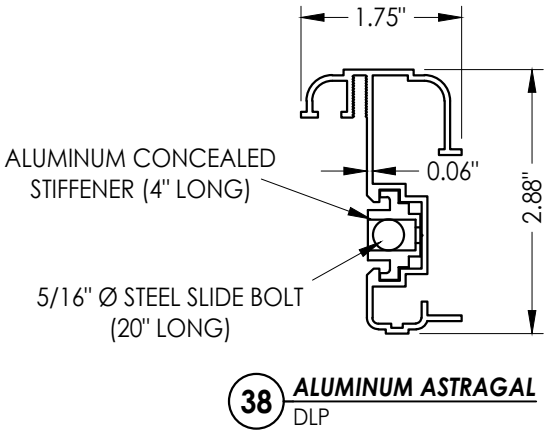
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

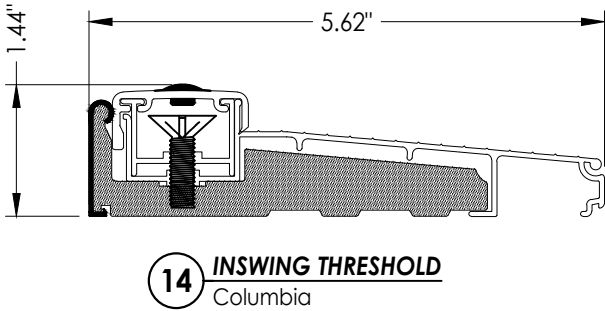
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



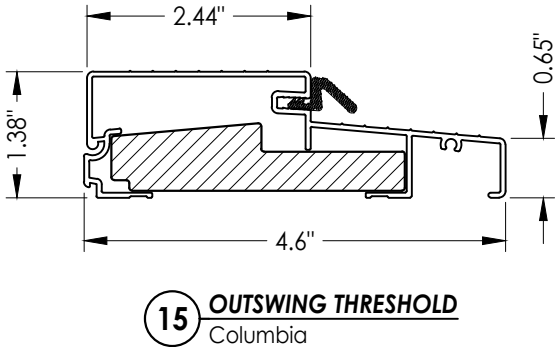
1 WOOD JAMB
FINGER JOINT PINE



38 ALUMINUM ASTRAGAL
DLP



14 INSWING THRESHOLD
Columbia



15 OUTSWING THRESHOLD
Columbia

Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
STEVES & SONS
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
2	7/02/26	UPDATE TO 9TH ED. (2026) FBC
1	8/02/23	UPDATE TO 8TH ED. (2023) FBC

DATE: 8/10/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-41477.5

SHEET 10 OF 10