



STEVE'S AND SONS

203 Humble Ave.
San Antonio, TX 78225

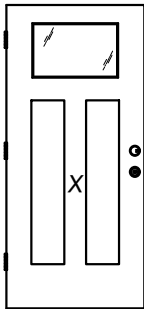
DIRECT GLAZED FIBERGLASS DOOR
DOUBLE

INSWING/OUTSWING
"NON-IMPACT"

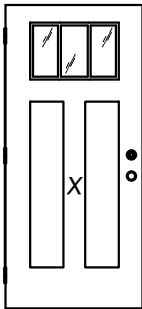
GENERAL NOTES

- 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 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.

TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	
1	Typical Elevations, Design Pressures & General Notes	6	Horizontal & Vertical Cross Sections (1X Buck)
2	Door Panel Details	7	Horizontal & Vertical Cross Sections (Direct to Masonry)
3	Door Panel Options	8	Vertical Cross Sections
4	Elevations	9	Buck & Frame Anchoring & Hardware Details
5	Horizontal & Vertical Cross Sections (2X Buck)	10	Bill of Materials & Components

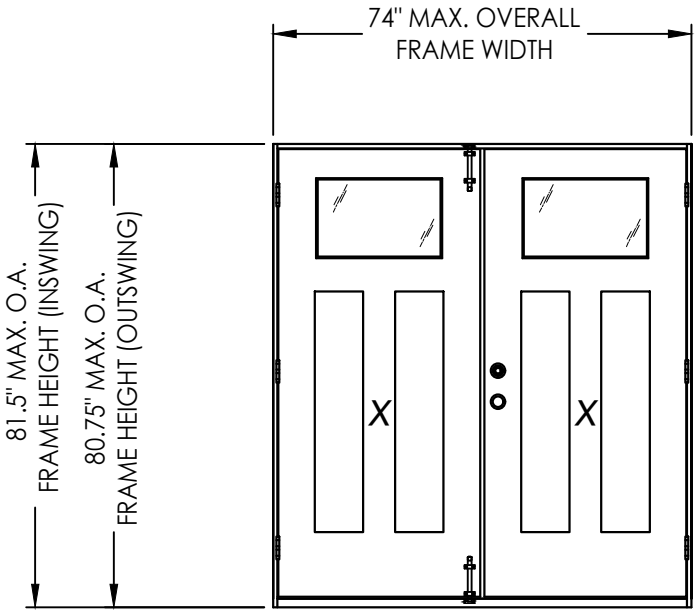


1/4 LITE

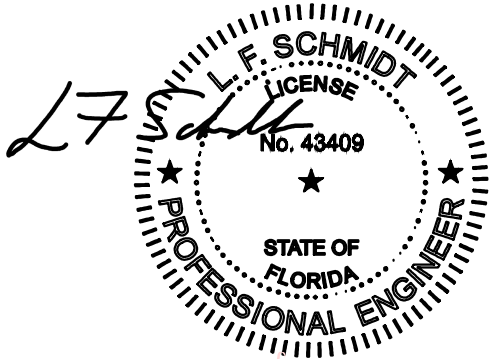


1/4 LITE 3 LITE

REGENCY HORIZON 1/4 LITE



CONFIGURATION	MAX. FRAME DIMENSION	SURFACE BOLTS REQUIRED	DESIGN PRESSURE (PSF)		DESIGN PRESSURE (PSF)	
			INSWING		OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 81.5"	NO	+20.0	-25.0	+20.0	-25.0
		YES	+40.0	-45.0	+40.0	-45.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.02 17:19:06 -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

STEVE'S & SONS
FIBERGLASS DOOR

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

DATE: 3/10/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-41467.7

SHEET 1 OF 10

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

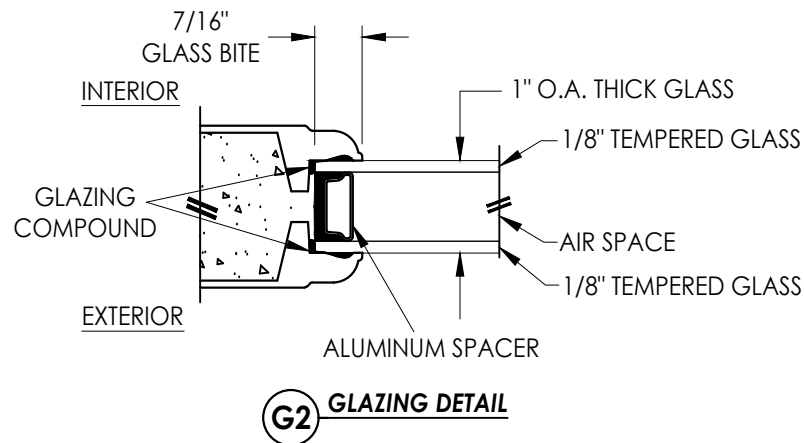
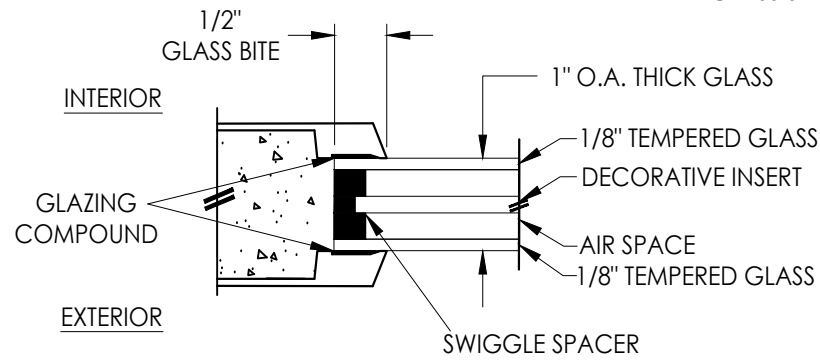
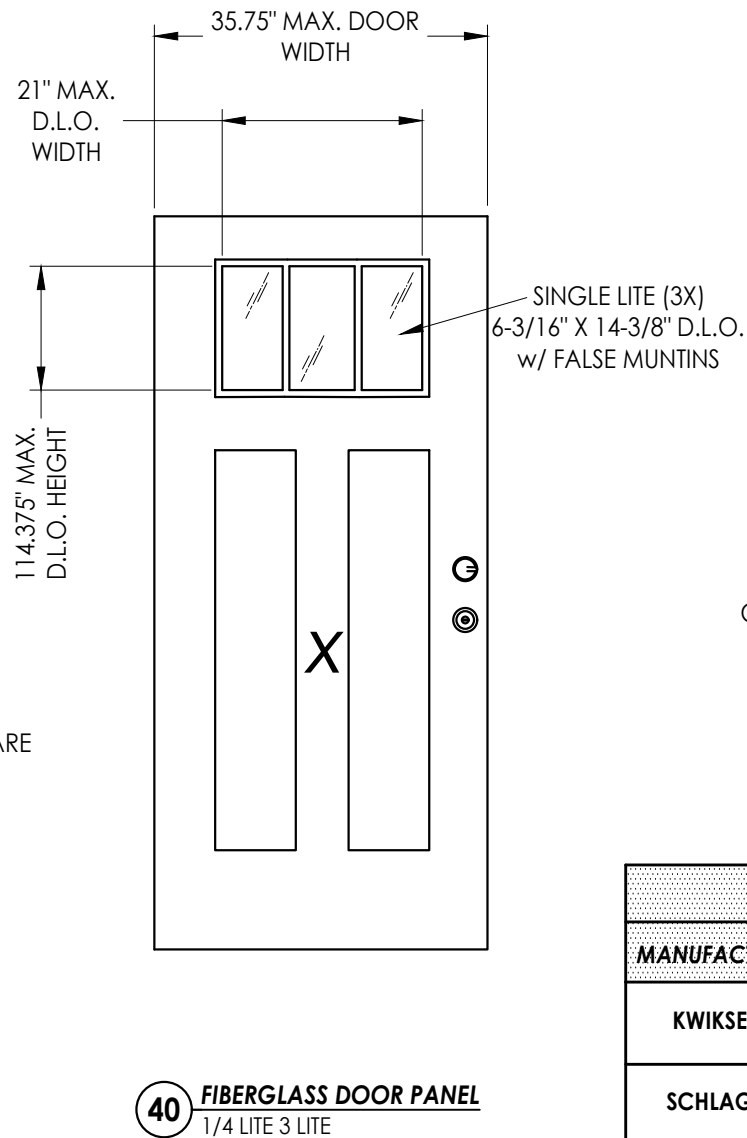
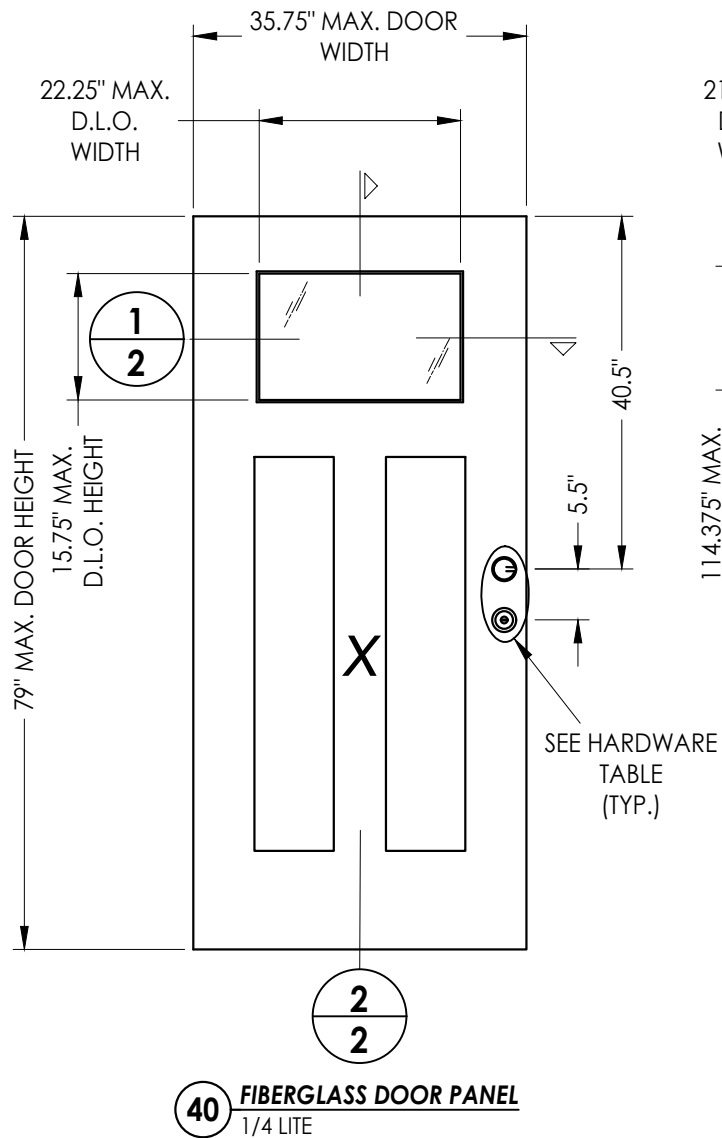
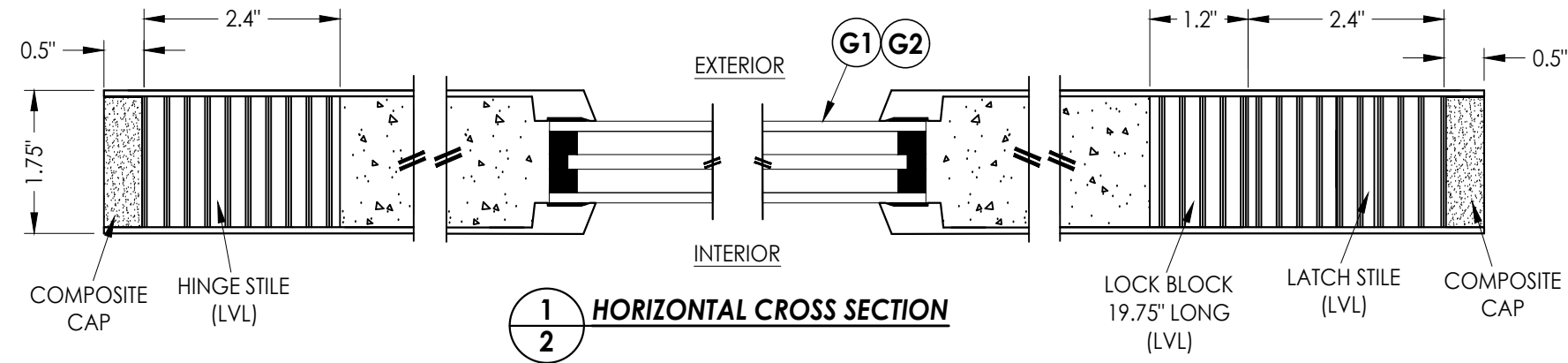
REVISIONS

1 8/02/23 UPDATE TO 8TH ED. (2023) FBC

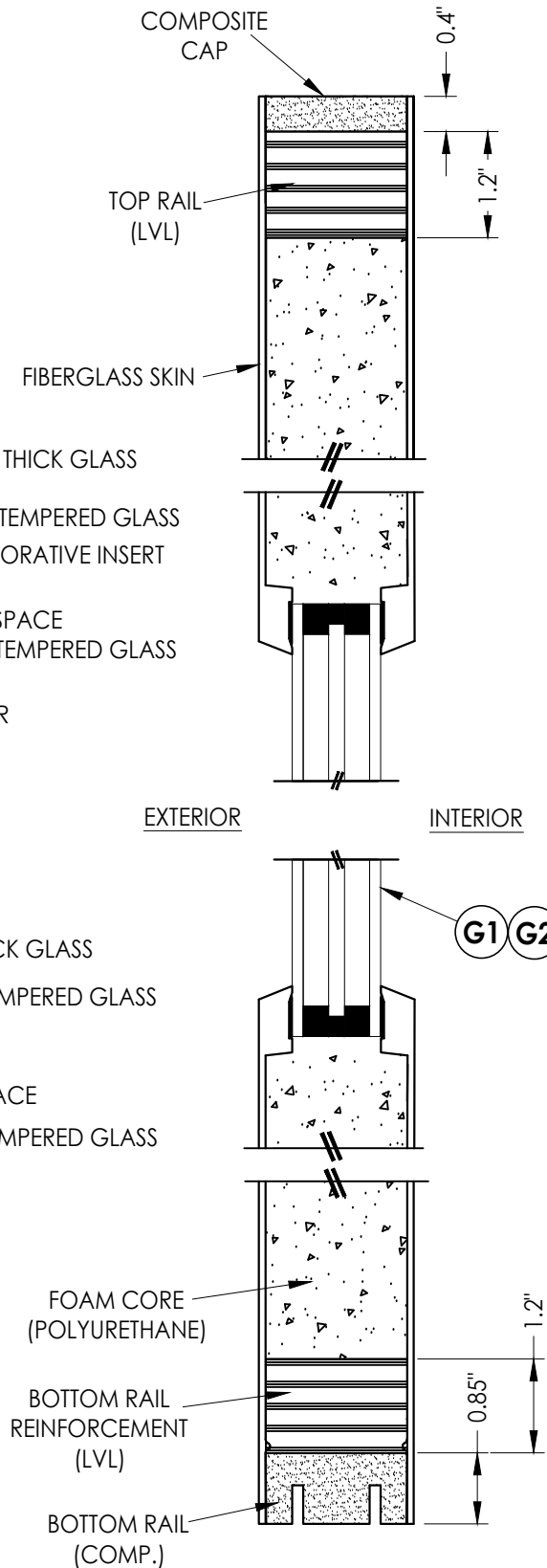
NO. DATE

BY

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



Documents Prepared By:
Lyndon F. Schmidt
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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	
		LFS	BY
1	8/02/23	UPDATE TO 8TH ED. (2023) FBC	

DATE: 3/10/22

SCALE: N.T.S.

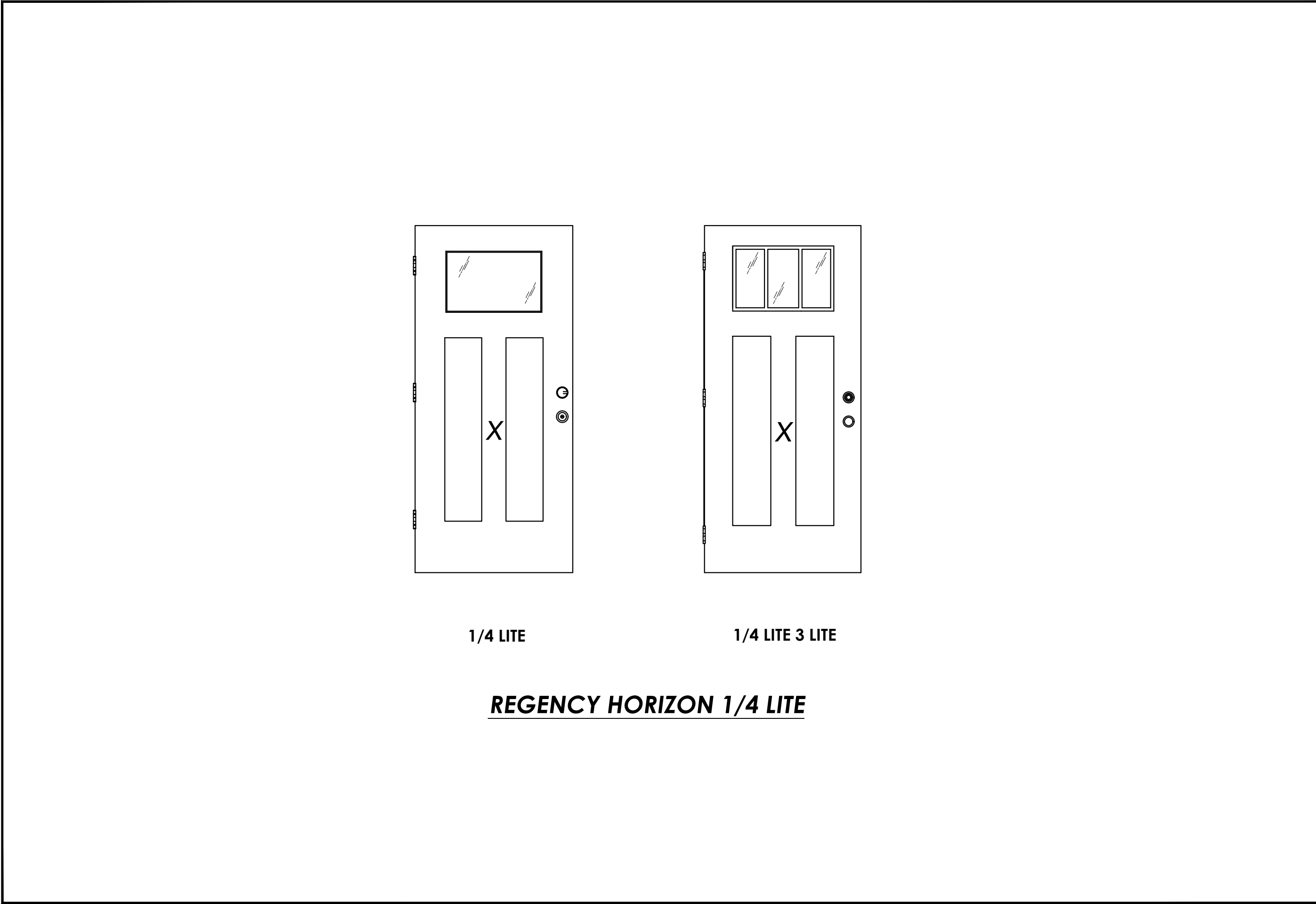
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-41467.7

SHEET 2 OF 10

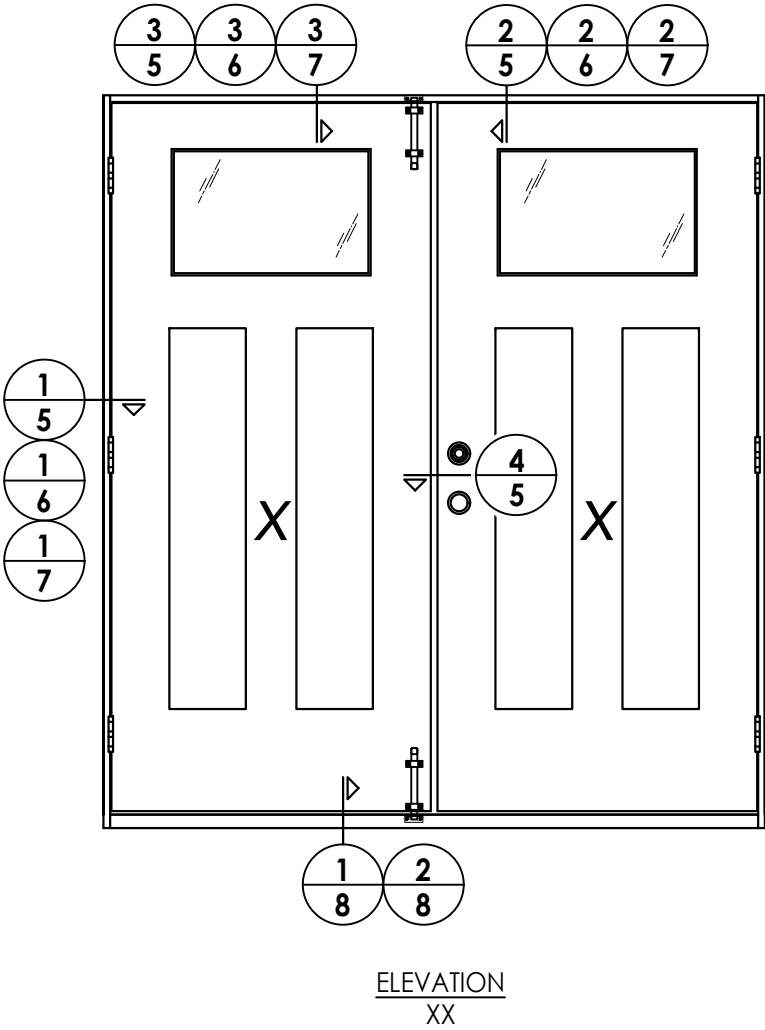


1/4 LITE

1/4 LITE 3 LITE

REGENCY HORIZON 1/4 LITE

DATE: 3/10/22		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:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813					
DRAWING NO.: FL-41467.7		DOOR PANEL OPTIONS							
SHEET 3 OF 10									
1		8/02/23		UPDATE TO 8TH ED. (2023)		FBC		LFS	
NO.		DATE						BY	
								REVISIONS	



DATE: 3/10/22
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-41467.7
SHEET 4 OF 10

1	8/02/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
NO	DATE			BY	

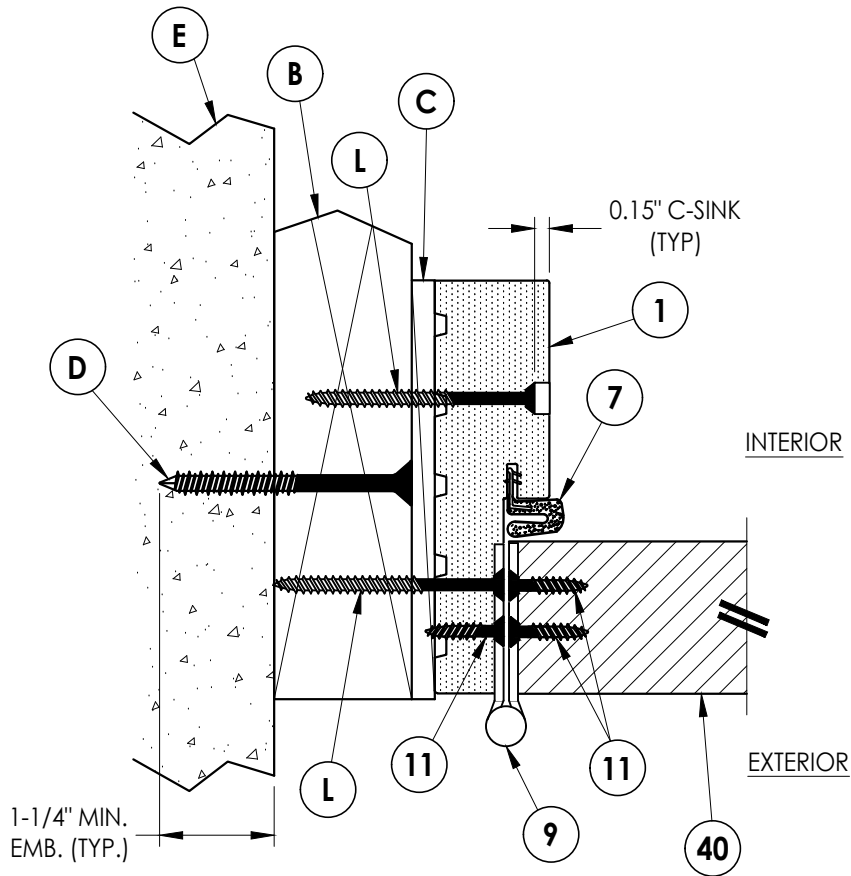
REVISIONS					
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PRODUCT:	
STEVES & SONS FIBERGLASS DOOR	
PART OR ASSEMBLY:	
ELEVATIONS	

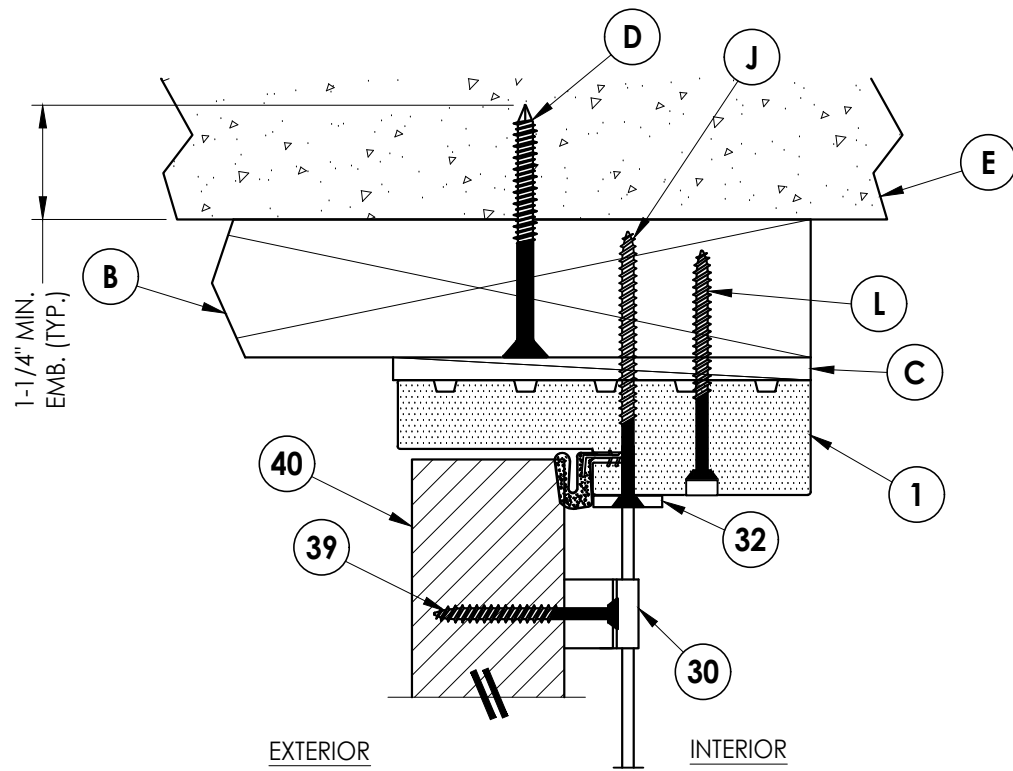
Documents Prepared By:
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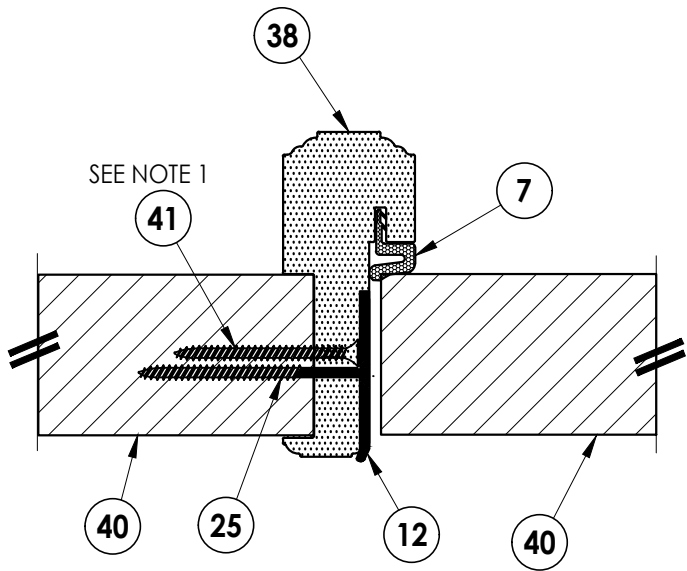
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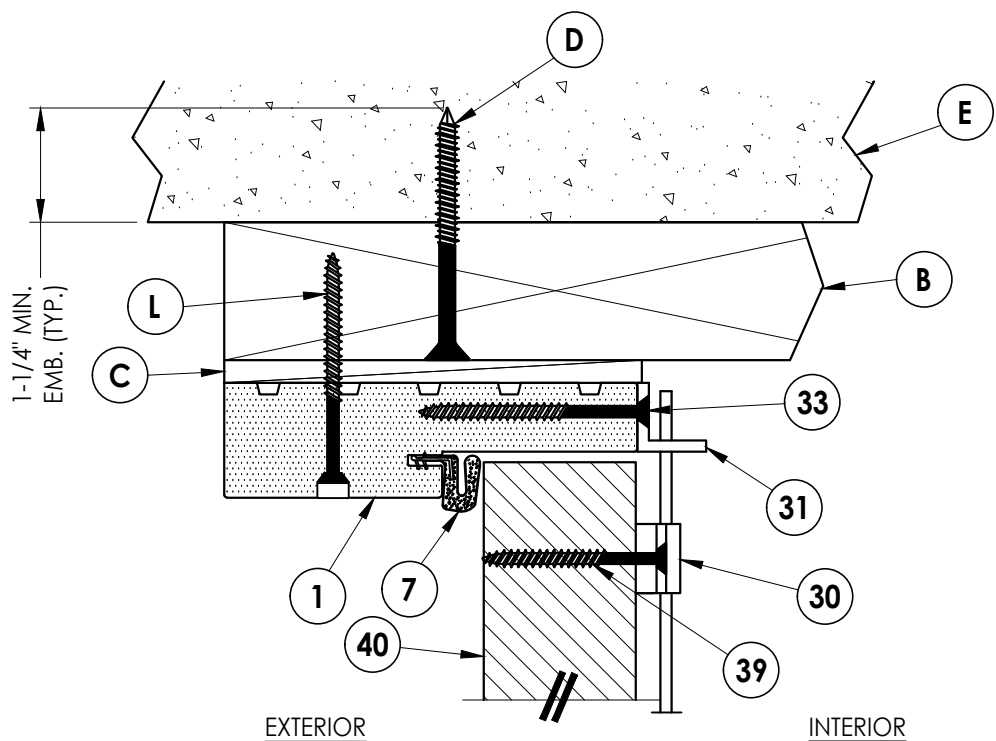
1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



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



3
5 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown

Note:
1. Screws located 8" from each end of astragal plus four (3) more located @ 23", 37" & 48" down from the top of the astragal (5 screws total - countersink 3/16").

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: STEVE'S & SONS FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
		DATE: 3/10/22	
		SCALE: N.T.S.	
		DWG. BY: RW	
		CHK. BY: LFS	
		DRAWING NO.: FL-41467.7	
		SHEET 5 OF 10	
		REVISIONS	
		NO. DATE	
		1 8/02/23 UPDATE TO 8TH ED. (2023) FBC	
		LFS BY	

1-1/4" MIN.
EMB. (TYP.)

Labels: H, F, E, A, C, 1, 32, 30, 39, 40

EXTERIOR INTERIOR

This technical cross-section diagram illustrates the construction of a parapet wall. The wall is shown in two parts: the exterior face on the left and the interior face on the right. The exterior face features a sloped concrete or masonry finish (labeled 40) with a minimum embedment depth of 1-1/4 inches (labeled 1-1/4" MIN. EMB. (TYP.)). The interior face shows a vertical concrete or masonry core (labeled 1) with a horizontal reinforcement bar (labeled 32) extending into the exterior face. A vertical reinforcement bar (labeled 30) is shown passing through the wall, with a hook (labeled 39) on the exterior side. The interior face also shows a horizontal reinforcement bar (labeled 32) and a vertical reinforcement bar (labeled 30). The diagram includes various labels (A, C, E, F, H) pointing to specific components and a break symbol (two parallel diagonal lines) indicating that the wall continues beyond the shown section.

1-1/4" MIN.
EMB. (TYP.)

A

C

F

E

1

7

40

33

31

30

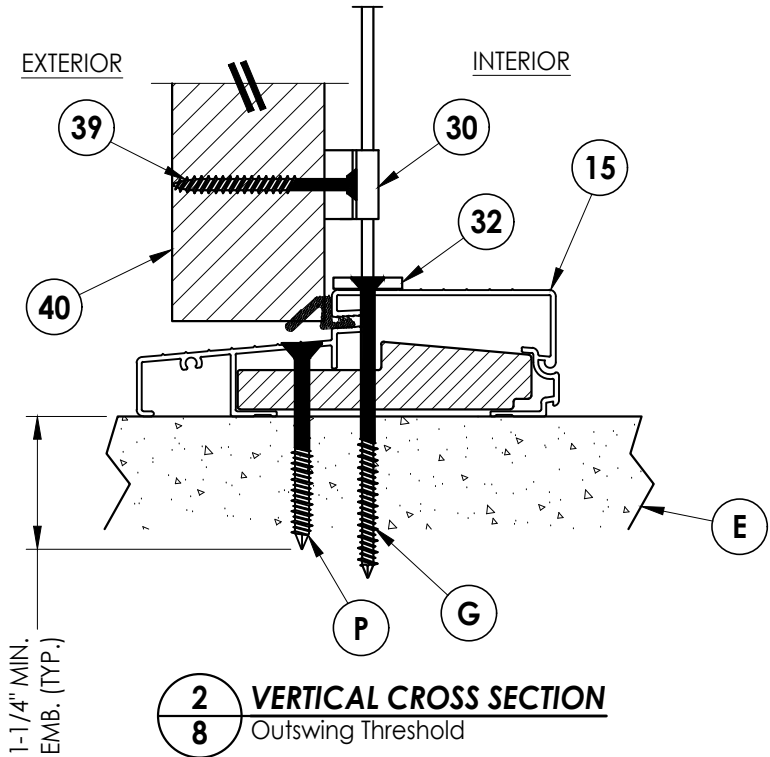
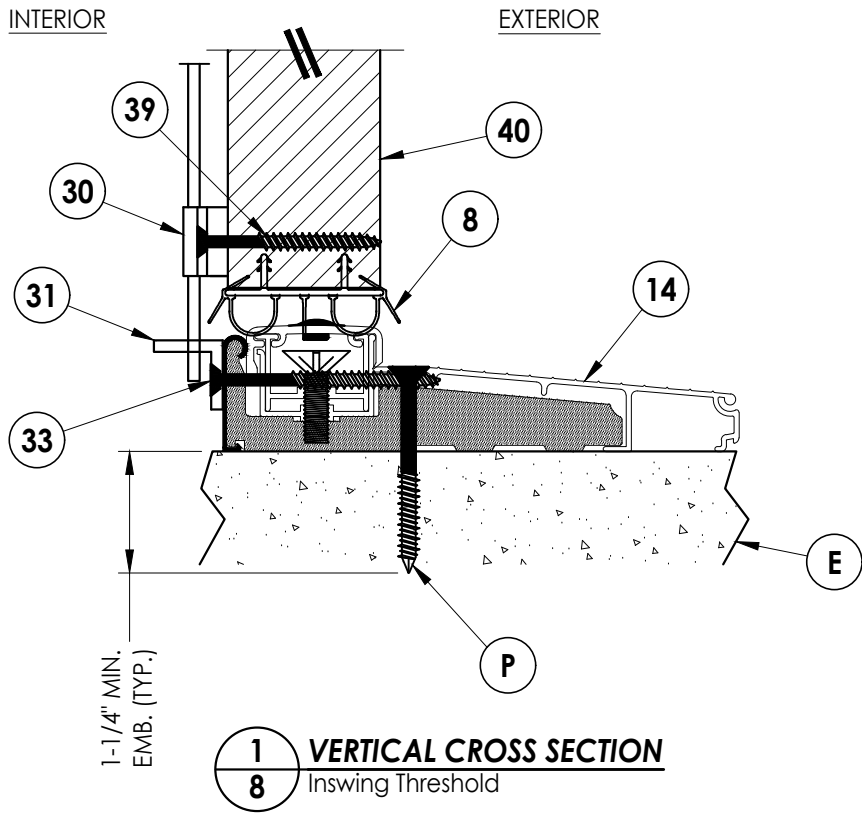
39

EXTERIOR

INTERIOR

DATE: 3/10/22		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:		<i>R^gW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DRAWING NO.: FL-41467.7		HORIZONTAL & VERTICAL			
SHEET 6 OF 10		CROSS SECTIONS (1X BUCK)			
NO.		DATE			
1		8/02/23		UPDATE TO 8TH ED. (2023)	
				FBC	
				LFS	
				BY	
				REVISIONS	

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DATE: 3/10/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-41467.7

SHEET 8 OF 10

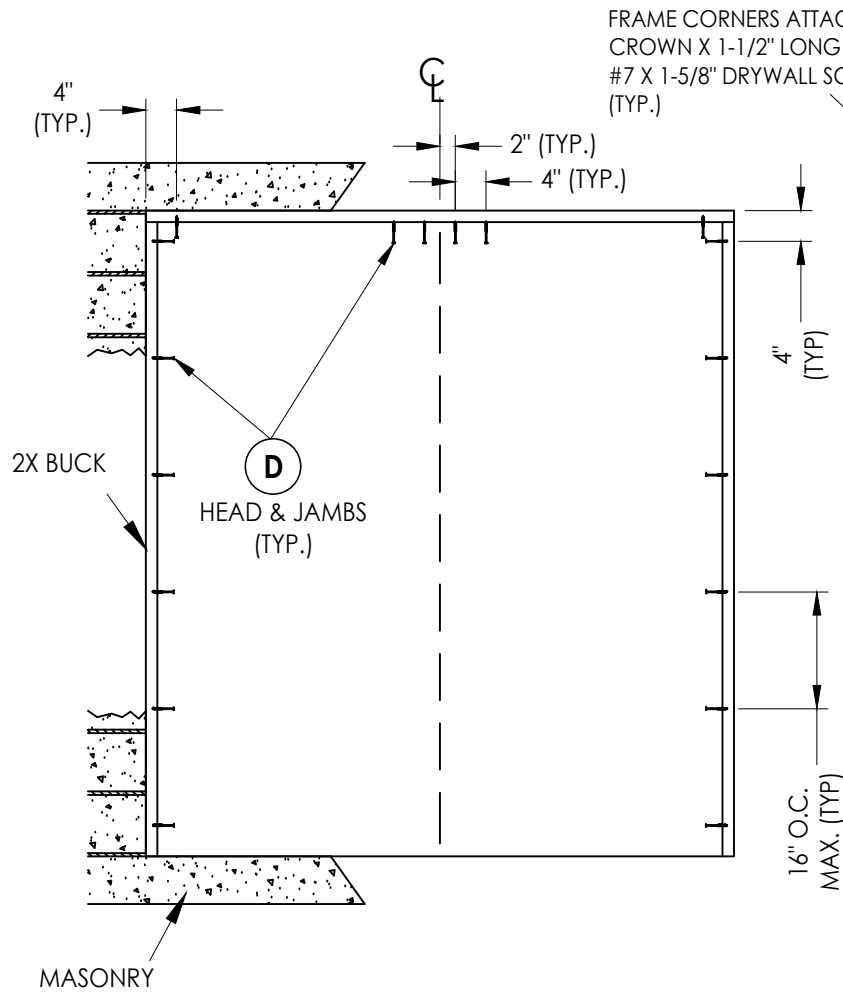
1	8/02/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
NO.	DATE			BY	
REVISIONS					

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

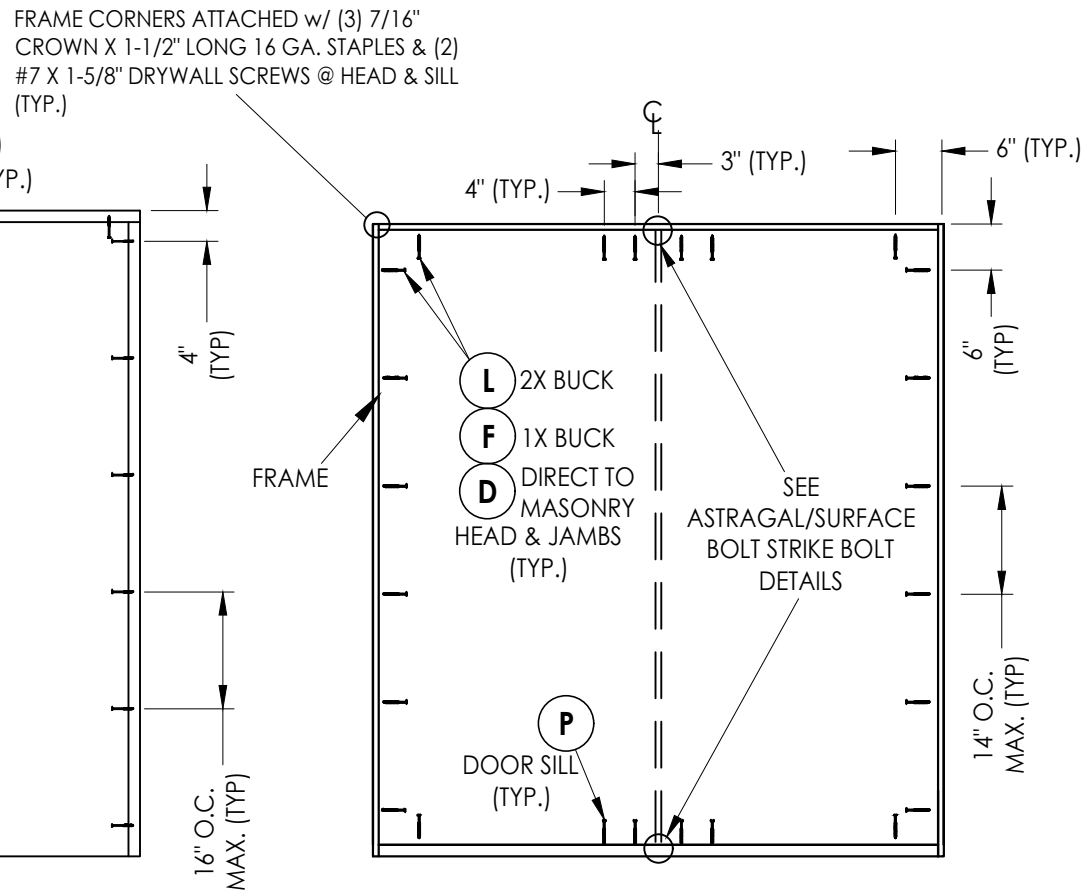
Documents Prepared By:
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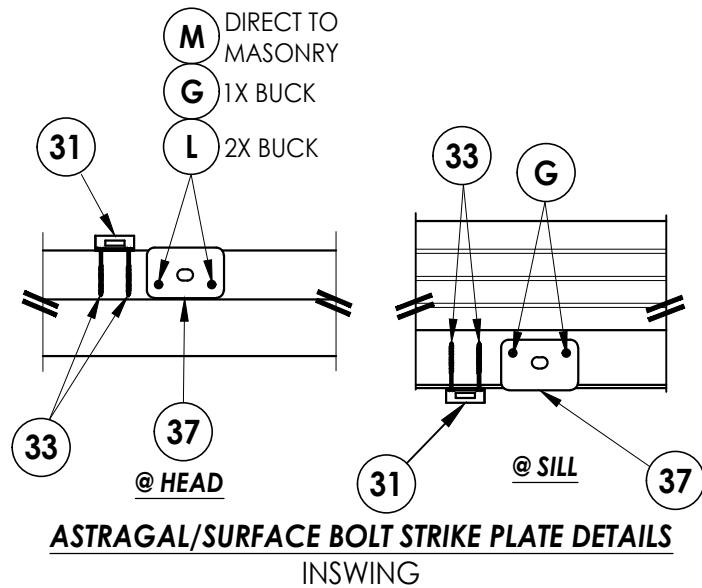
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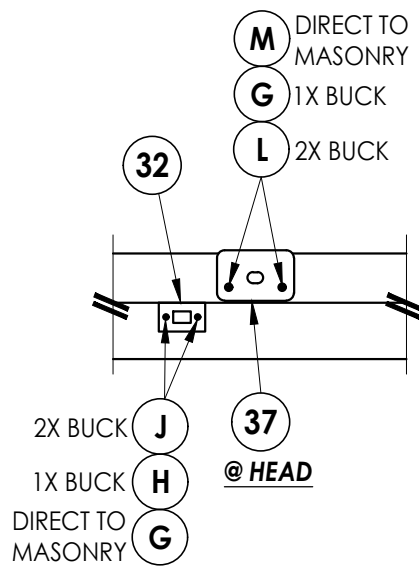
2X BUCK ANCHORING



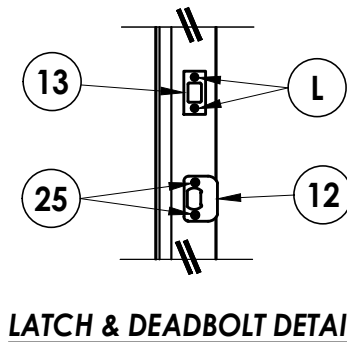
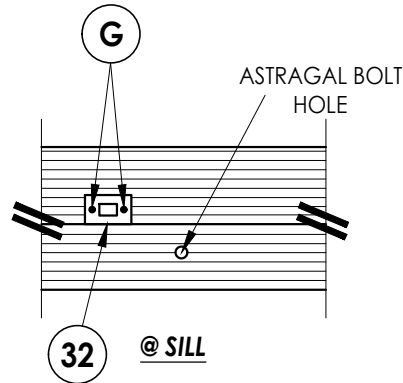
FRAME ANCHORING



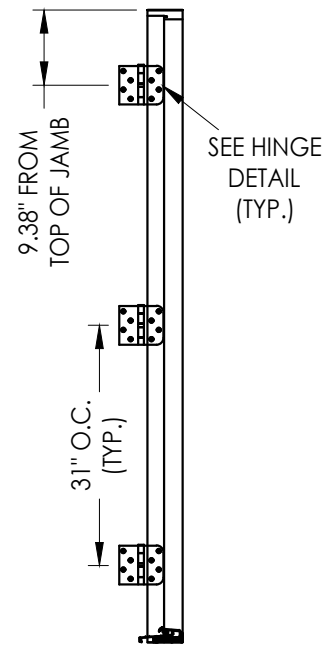
**ASTRAGAL/SURFACE BOLT STRIKE PLATE DETAILS
INSWING**



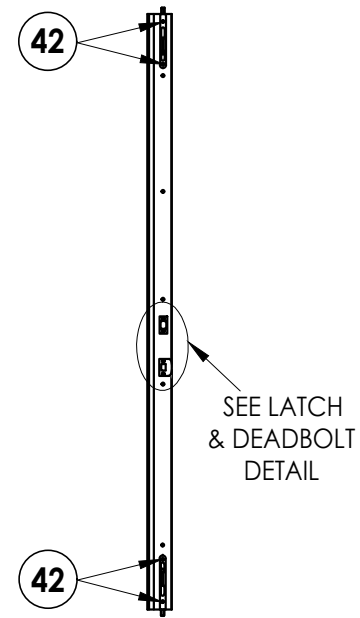
**ASTRAGAL/SURFACE BOLT STRIKE PLATE DETAILS
OUTSWING**



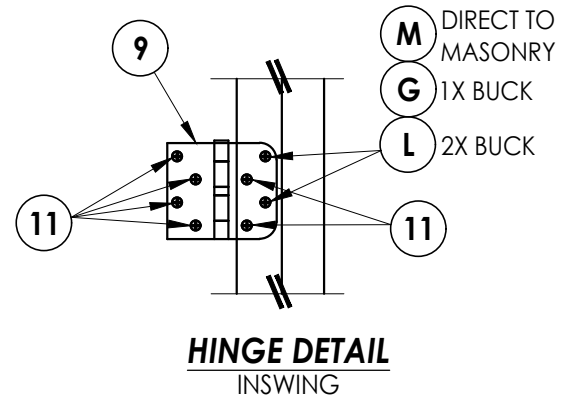
LATCH & DEADBOLT DETAIL



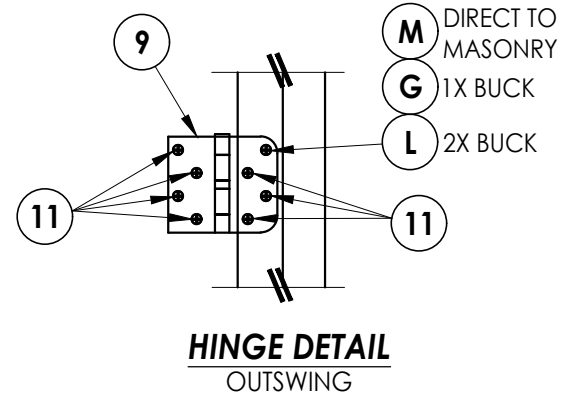
HINGE JAMB



COMPOSITE ASTRAGAL
7" STEEL FLIP LOCK FLUSHBOLT (5/16" Ø)
@ EACH END OF ASTRAGAL



**HINGE DETAIL
INSWING**



**HINGE DETAIL
OUTSWING**

HARDWARE DETAILS

Documents Prepared By:
Lyndon F. Schmidt
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P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

PRODUCT: STEVES & SONS
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
& HARDWARE DETAILS

NO.	DATE	REVISIONS
1	8/02/23	UPDATE TO 8TH ED. (2023) FBC
LFS	BY	

DATE: 3/10/22

SCALE: N.T.S.

DWG. BY: RW

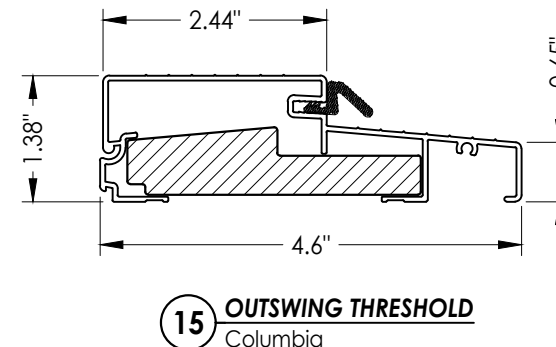
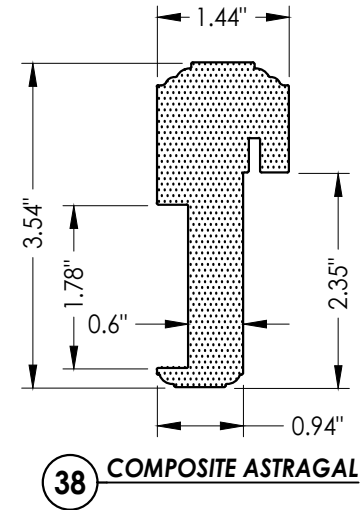
CHK. BY: LFS

DRAWING NO.:

FL-41467.7

SHEET 9 OF 10

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
H	3/16" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
J	#10 X 3" PFH WOOD 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
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
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#10 X 2" PFH SMS	STEEL
29	#10 X 3" FH COMPOSITE DECK SCREW	STEEL
30	8" SURFACE BOLT (HAGER 275D)	STEEL
31	SURFACE BOLT GUIDE PLATE	STEEL
32	SURFACE BOLT STRIKE PLATE	STEEL
33	#10 X 2-1/2" PFH WOOD SCREW	STEEL
37	ASTRAGAL STRIKE PLATE	STEEL
38	ASTRAGAL (COMPOSITE)	COMP
39	#10 X 2" FH SMS	STEEL
40	DOOR PANEL	-
41	#7 X 1-5/8" DRYWALL SCREWS	STEEL
42	#8 X 2-1/2" FH SMS	STEEL



- | 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" |

- Documents Prepared By:
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P.E. No. 43409

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PRODUCT: STEVES & SONS
FIBERGLASS DOOR

PART OR ASSEMBLY:

1	8/02/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
NO.	DATE			BY
REVISIONS				

DATE: 3/10/22

SCALE: N.T.S.

DWG. BY: *RW*

CHK. BY: *LFS*

DRAWING NO.:
FL-41467.7

SHEET 10 OF 10