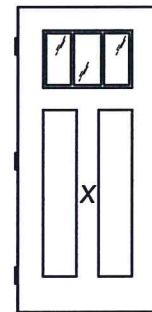
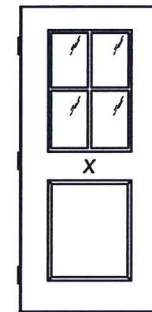


STEVE'S AND SONS

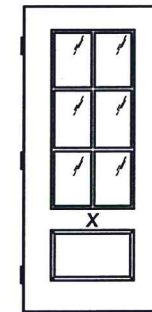
203 Humble Ave.
San Antonio, TX 78225



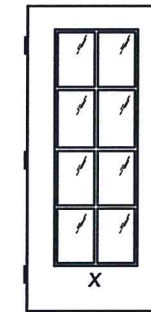
1/4 LITE 3 LITE



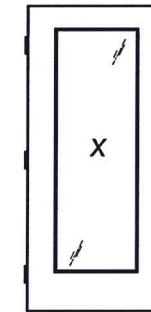
1/2 LITE 4 LITE



3/4 LITE 6 LITE



FULL LITE 8 LITE

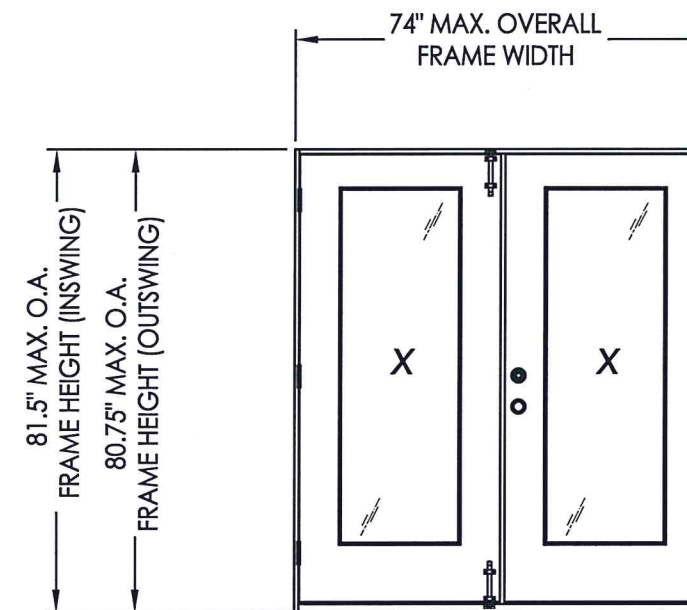


FULL LITE

DIRECT GLAZED FIBERGLASS DOOR DOUBLE

INSWING/OUTSWING
"NON-IMPACT"

LEGACY CLEAR COLLECTION w/ SIMULATED DIVIDED LITES



GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) 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	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

CONFIGURATION	MAX. FRAME DIMENSION	SURFACE BOLTS REQUIRED	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 81.5"	NO	+35.0	-35.0	+35.0	-35.0
		YES	+45.0	-45.0	+45.0	-45.0

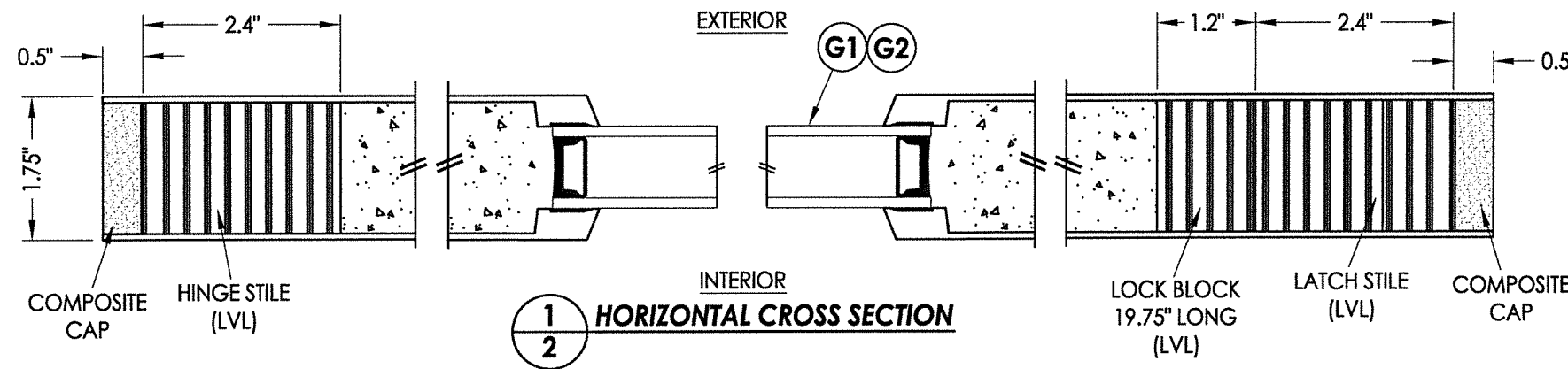
June 7, 2022

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

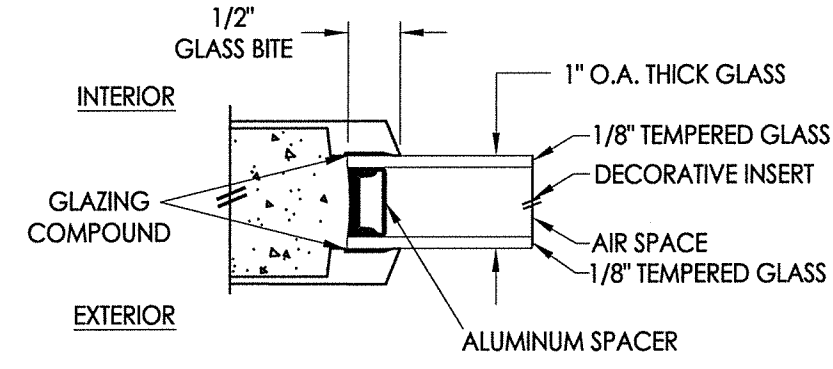
E. SCHMIDT
LICENSE
No. 43409
FLORIDA
PROFESSIONAL ENGINEER

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

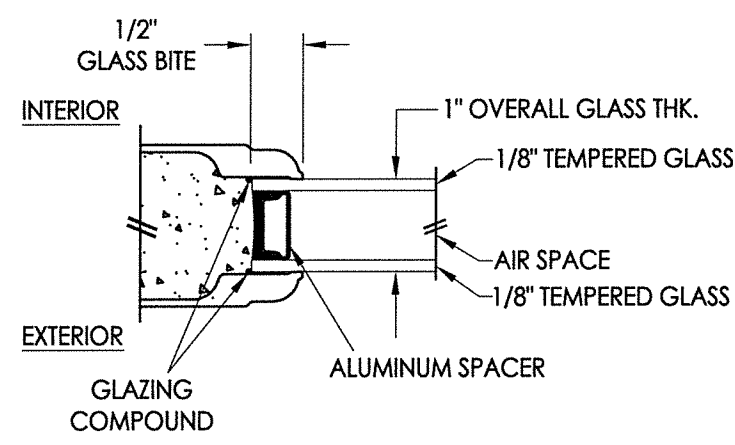
PRODUCT:	STEVE'S & SONS FIBERGLASS DOOR
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
NO.	DATE
BY	REVISIONS
DATE:	4/20/22
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-41479.2
SHEET	1 OF 10



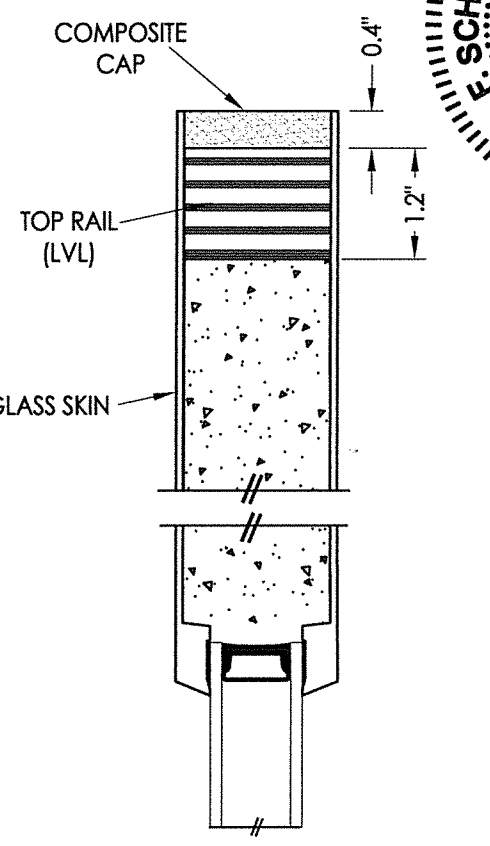
1 HORIZONTAL CROSS SECTION



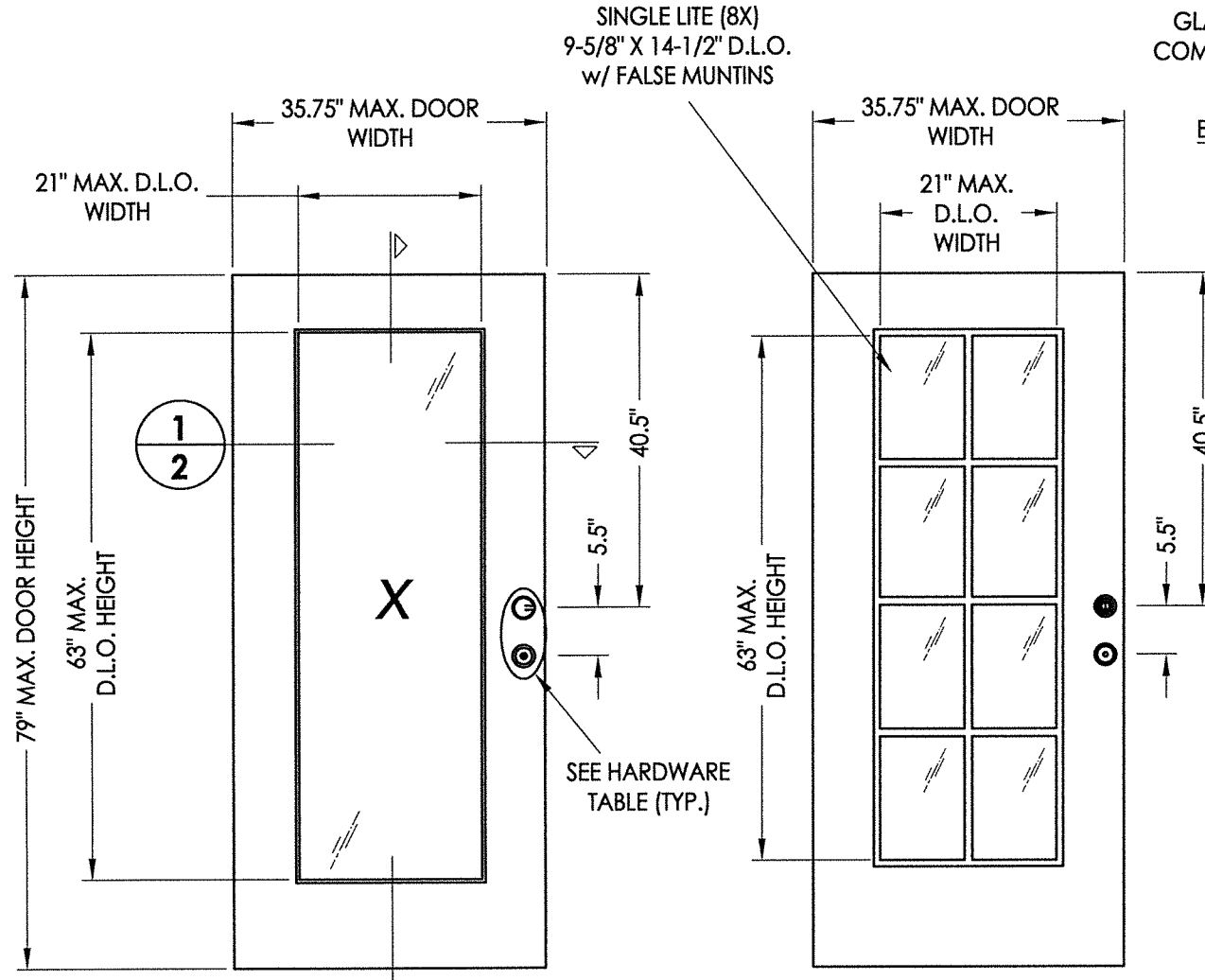
G1 GLAZING DETAIL Full Lite



G2 GLAZING DETAIL Simulated Divided Lites



2 VERTICAL CROSS SECTION

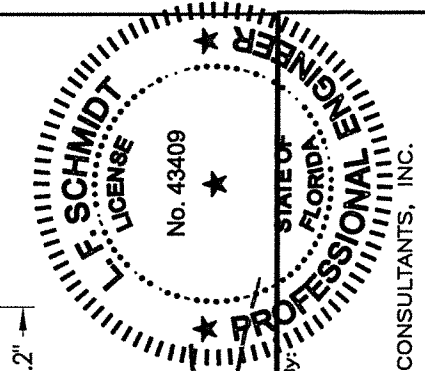


40 FIBERGLASS DOOR PANEL Full Lite

40 FIBERGLASS DOOR PANEL Simulated Divided Lites

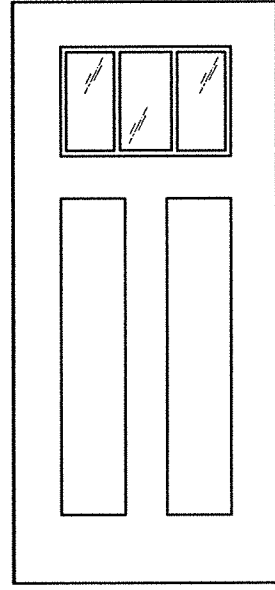
FIBERGLASS DOOR SKIN: MIN. 0.08" THK.
CORE MATERIAL: POLYURETHANE FOAM

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

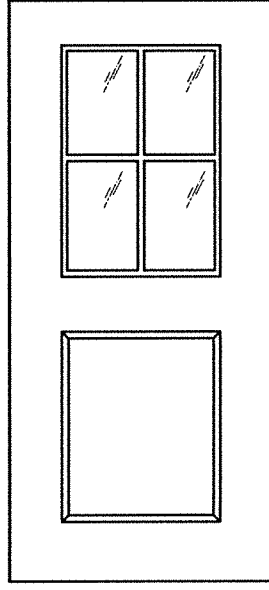


June 7, 2022
 Documents Prepared By:
 Lyndon F. Schmidt
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 P.O. Box 230, Valrico, FL 33595
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 FBPE Registry No. 9813

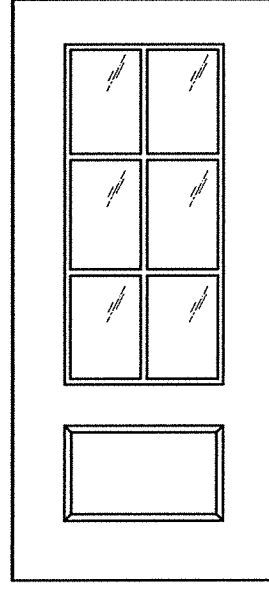
PRODUCT:		STEVES & SONS FIBERGLASS DOOR	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
NO.	DATE	BY	REVISIONS
DATE: 4/20/22			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-41479.2			
SHEET 2 OF 10			



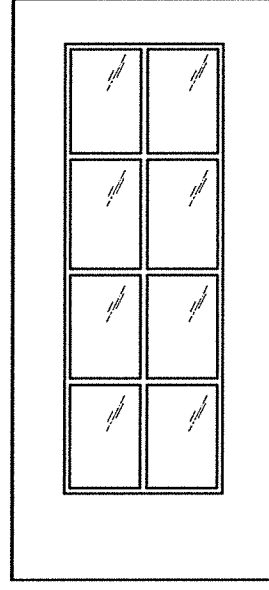
1/4 LITE 3 LITE



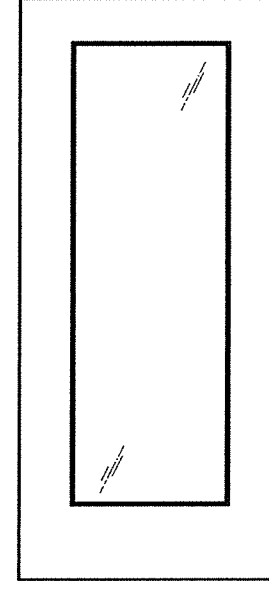
1/2 LITE 4 LITE



3/4 LITE 6 LITE

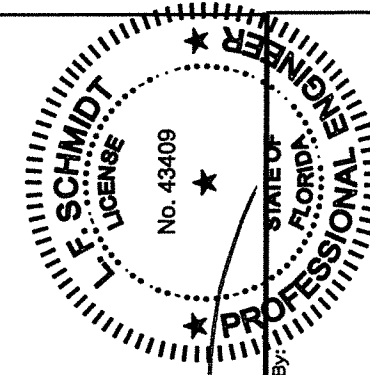


FULL LITE 8 LITE



FULL LITE

LEGACY CLEAR COLLECTION
w/ SIMULATED DIVIDED LITES



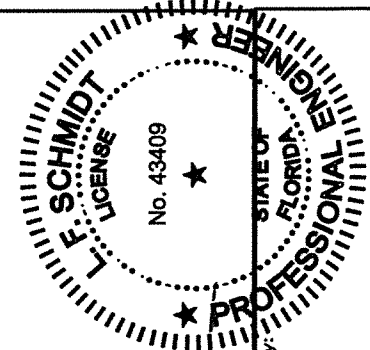
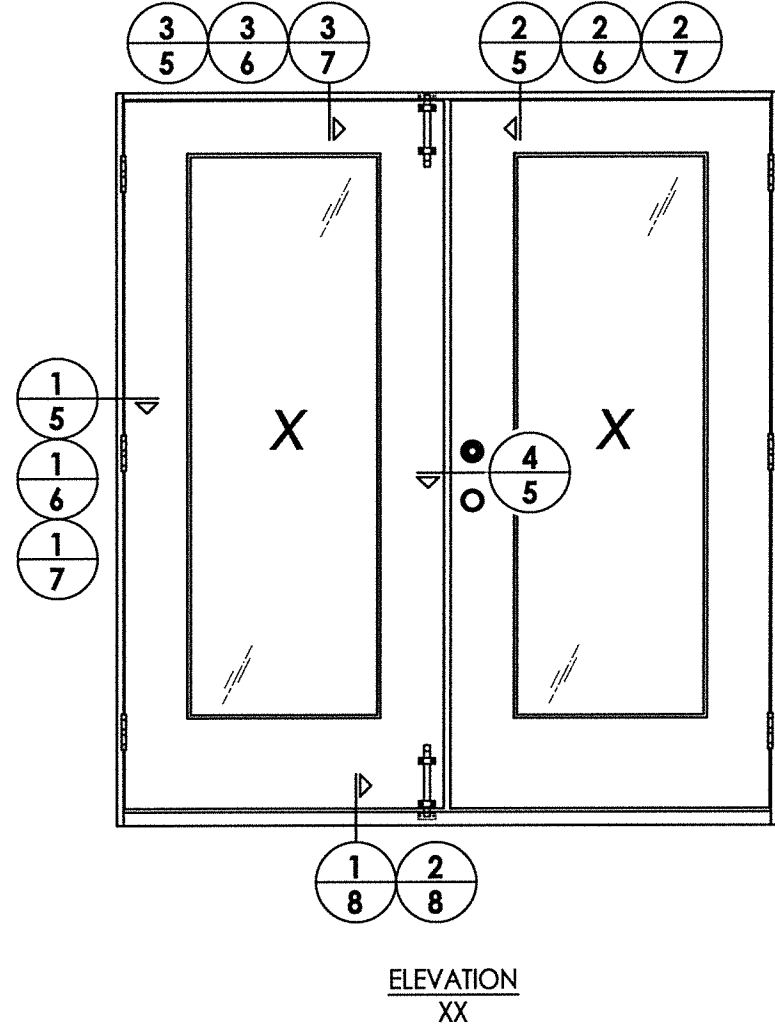
LFS

June 7, 2022

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:		PANEL OPTIONS
NO.	DATE	BY
REVISIONS		
DATE: 4/20/22		
SCALE: N.T.S.		
DWG. BY: RW		
CHK. BY: LFS		
DRAWING NO.:		
FL-41479.2		
SHEET 3 OF 10		



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June 7, 2022

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

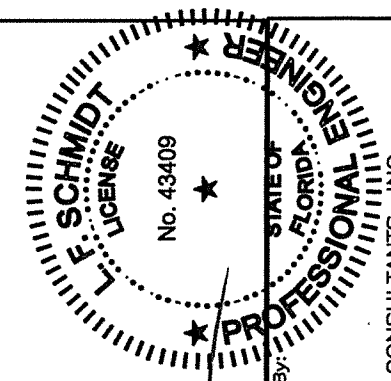
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

NO.	DATE	BY	REVISIONS

DATE: 4/20/22
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-41479.2
SHEET 4 of 10

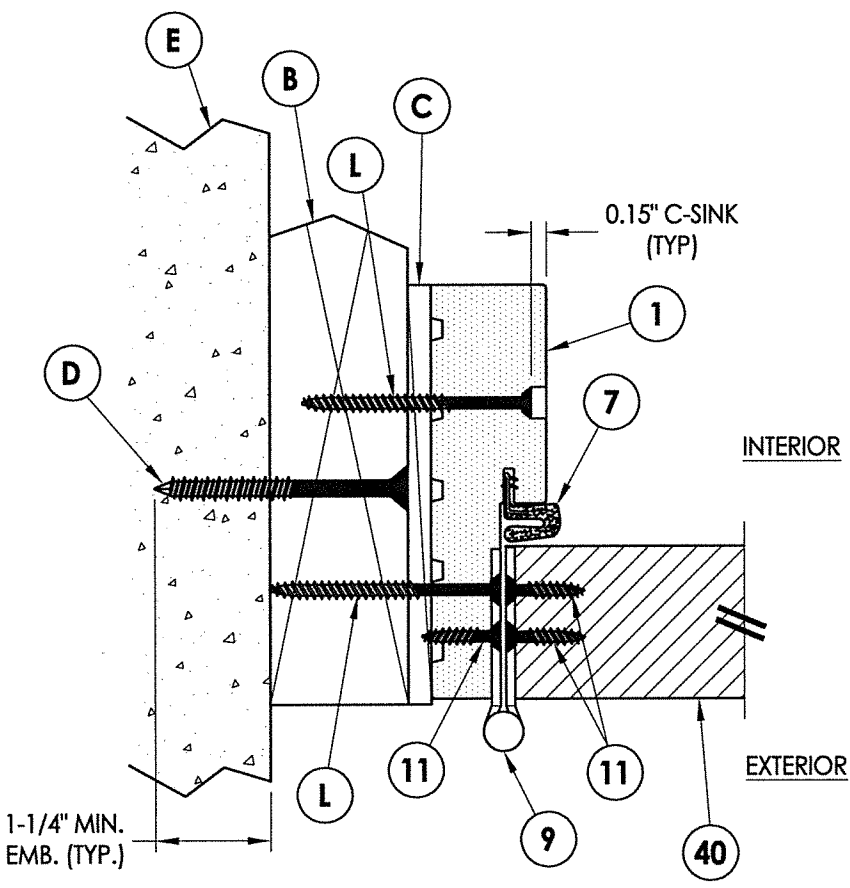
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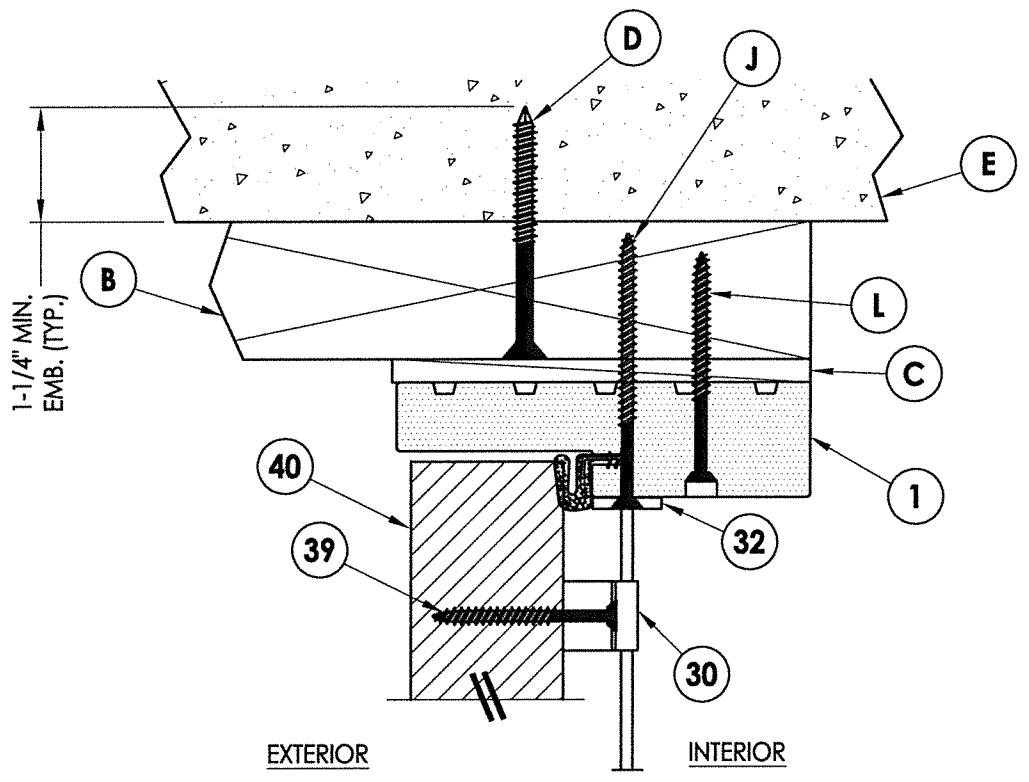
June 7, 2022
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409
 RW BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT:	STEVES & SONS FIBERGLASS DOOR	
PART OR ASSEMBLY:	HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
NO.	DATE	BY
REVISIONS		

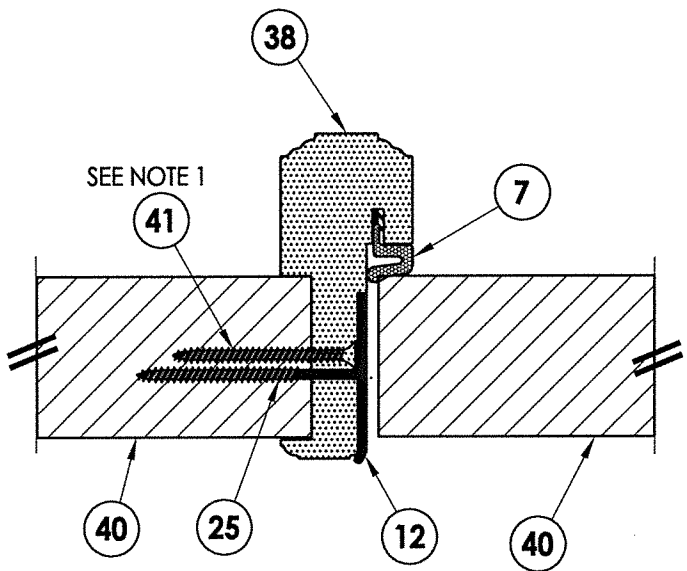
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 SCALE: N.T.S.
 DWG. BY: RW
 CHK. BY: LFS
 DRAWING NO.: FL-41479.2
 SHEET 5 OF 10



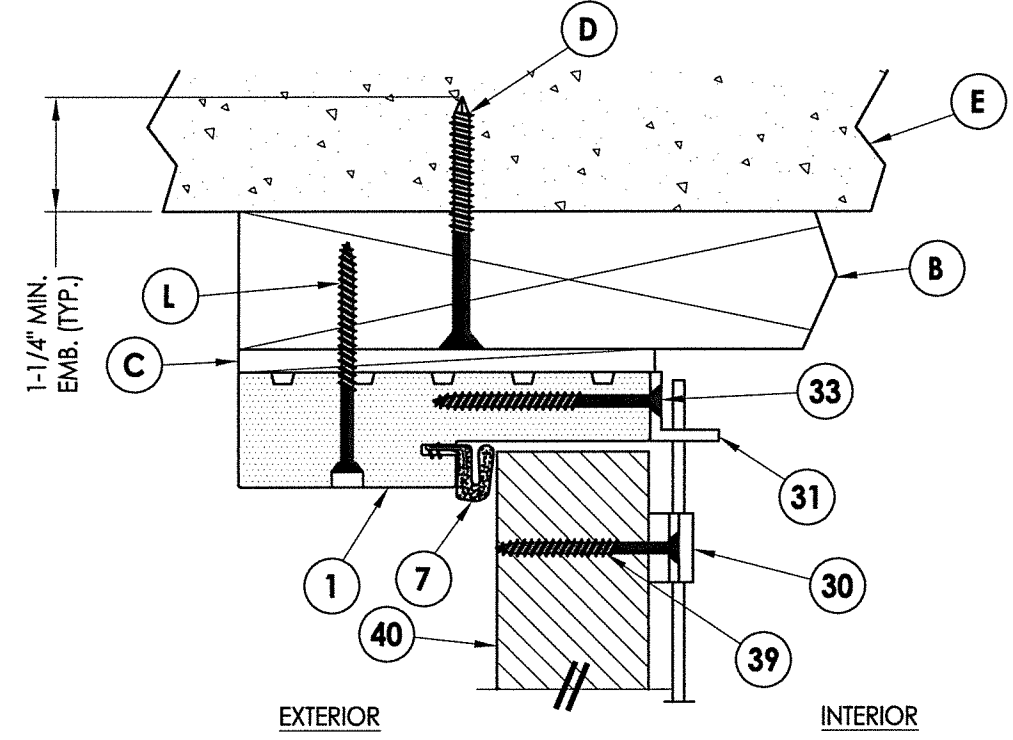
1 HORIZONTAL CROSS SECTION
 5 Shown w/ 2X Buck
 Outswing shown (Inswing similar)



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

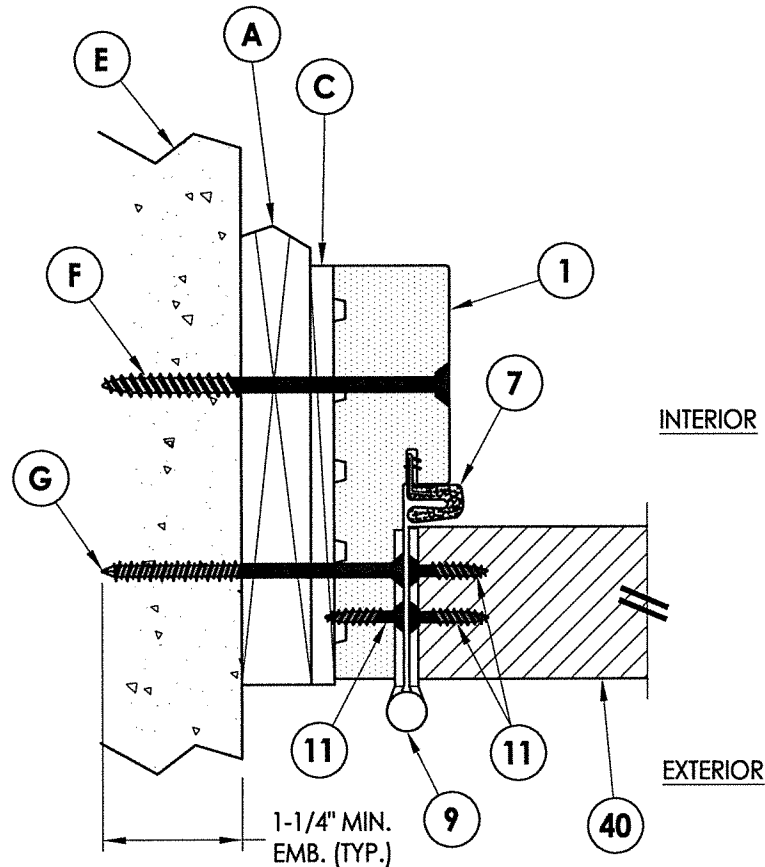


4 HORIZONTAL CROSS SECTION
 5 Outswing shown (Inswing similar)

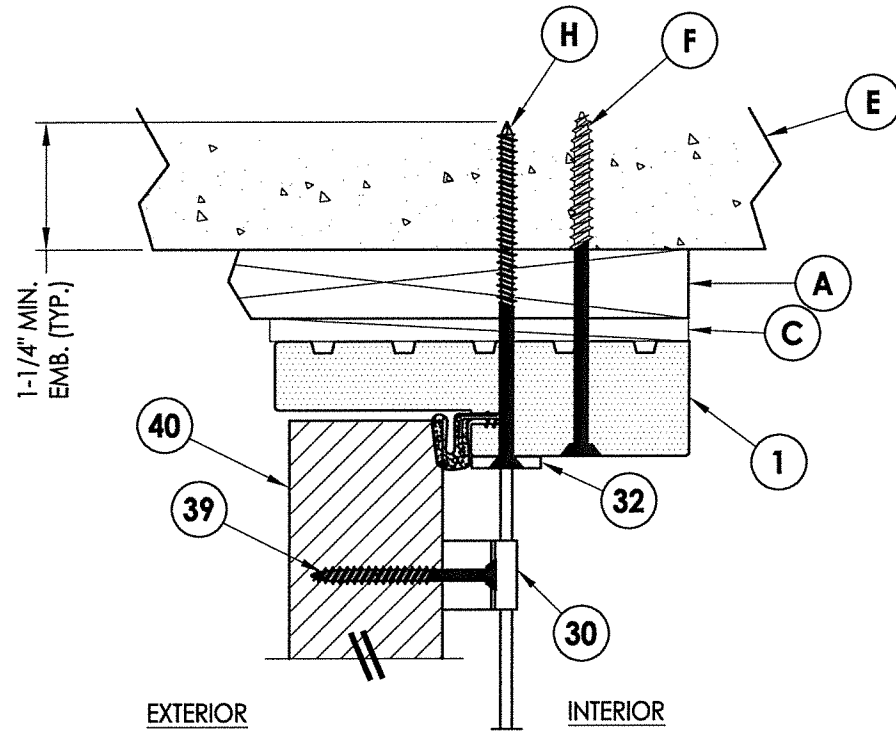


3 VERTICAL CROSS SECTION
 5 Shown w/ 2X Buck
 Inswing shown

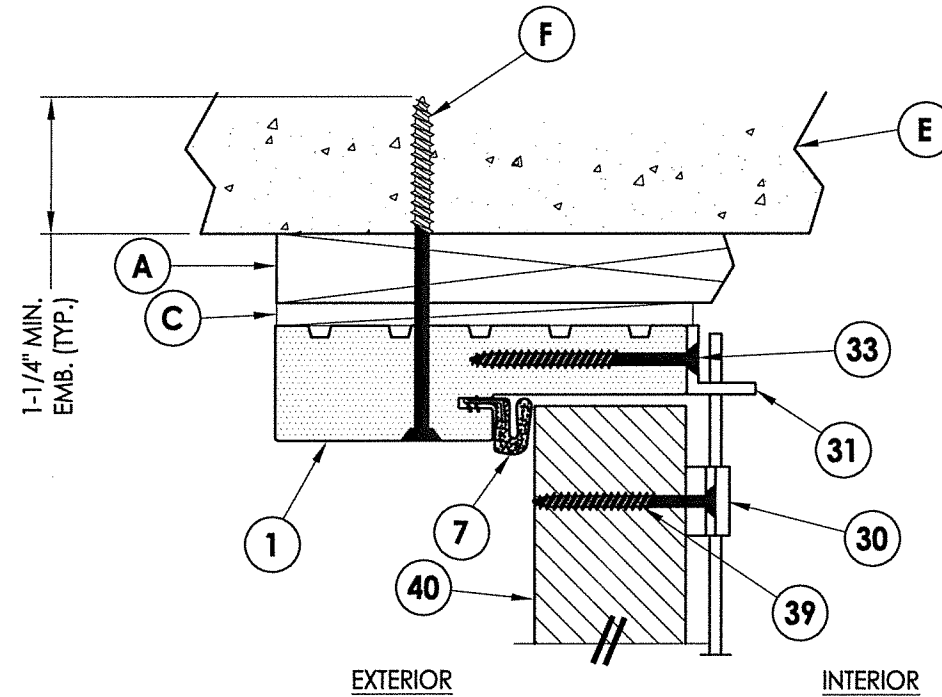
Note:
 1. Screws located 8" from each end of astragal plus four (3) more located @ 23", 37" & 48" down from the top of the astragal (5 screws total - countersink 3/16").



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



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



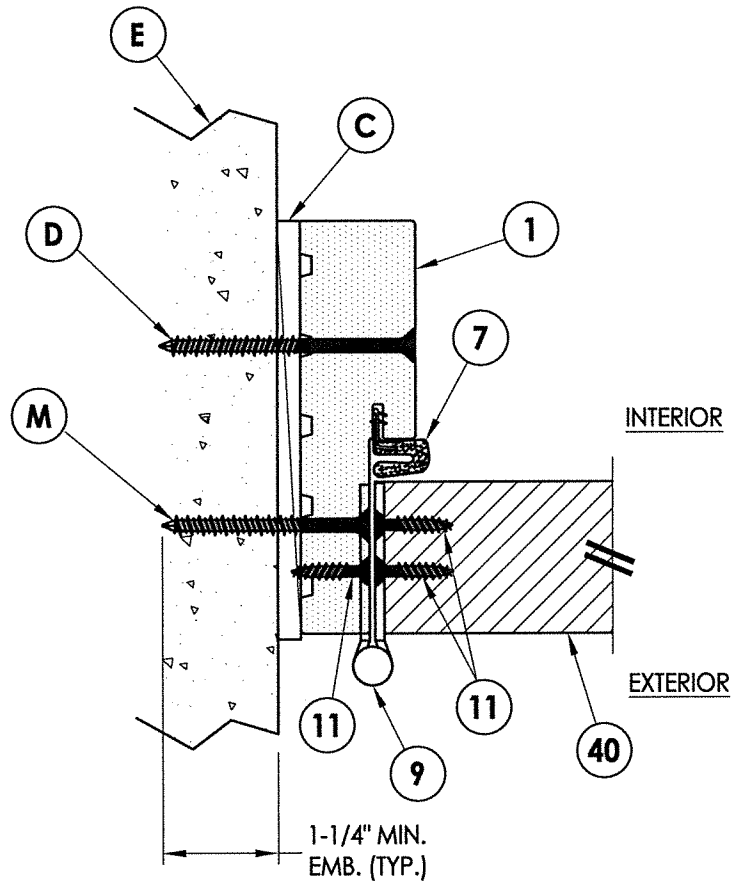
3 **VERTICAL CROSS SECTION**
 Shown w/ 1X Buck
 Inswing shown

STATE OF FLORIDA
ENGINEER
L. F. SCHMIDT
 No. 43409
PROFESSIONAL

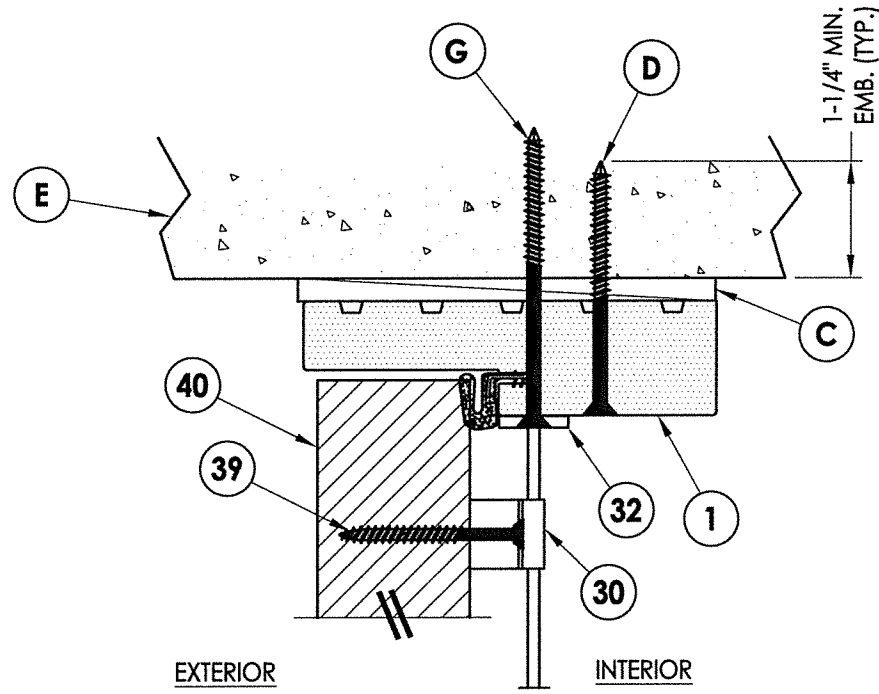
LFS
 June 7, 2022
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409

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

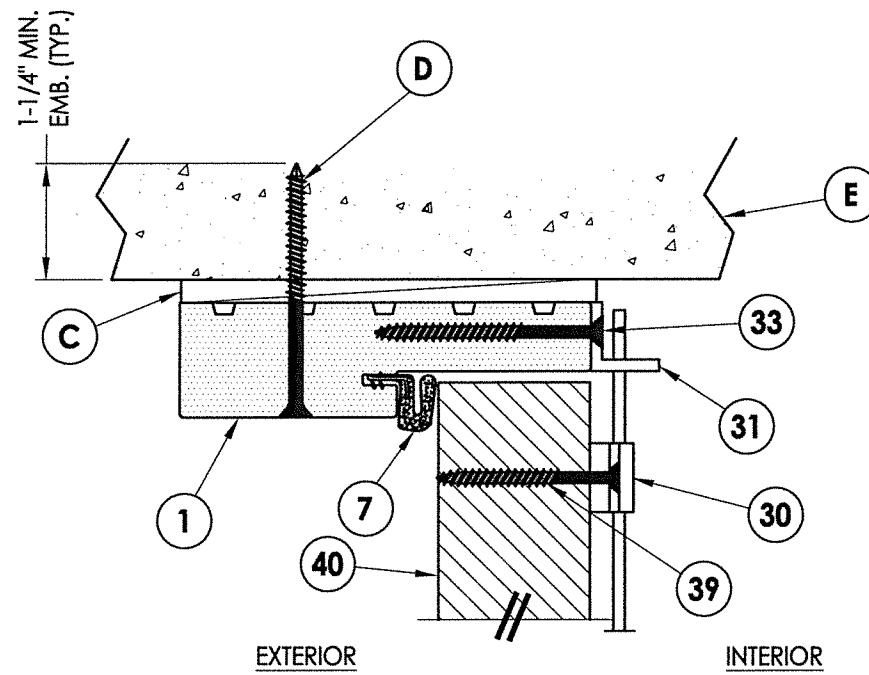
STEVES & SONS FIBERGLASS DOOR	
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	REVISIONS
PRODUCT: STEVES & SONS FIBERGLASS DOOR	NO. DATE BY
DATE: 4/20/22	SCALE: N.T.S.
DWG. BY: RW	CHK. BY: LFS
DRAWING NO.: FL-41479.2	
SHEET <u>6</u> OF <u>10</u>	



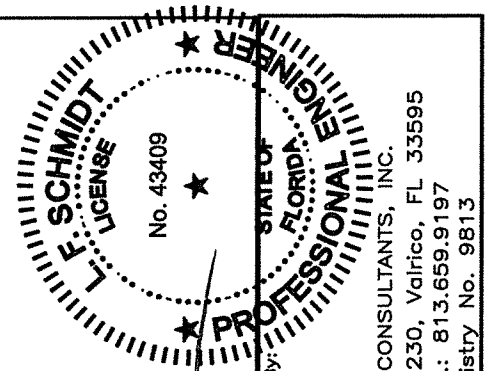
1 **HORIZONTAL CROSS SECTION**
7 Shown Direct to Masonry
 Outswing shown (Inswing similar)



2 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
 Outswing shown



3 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
 Inswing shown



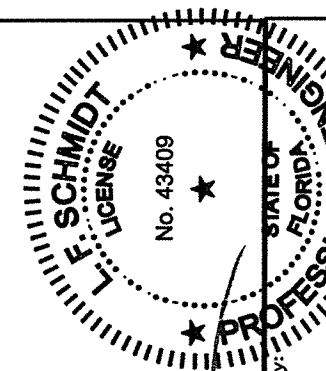
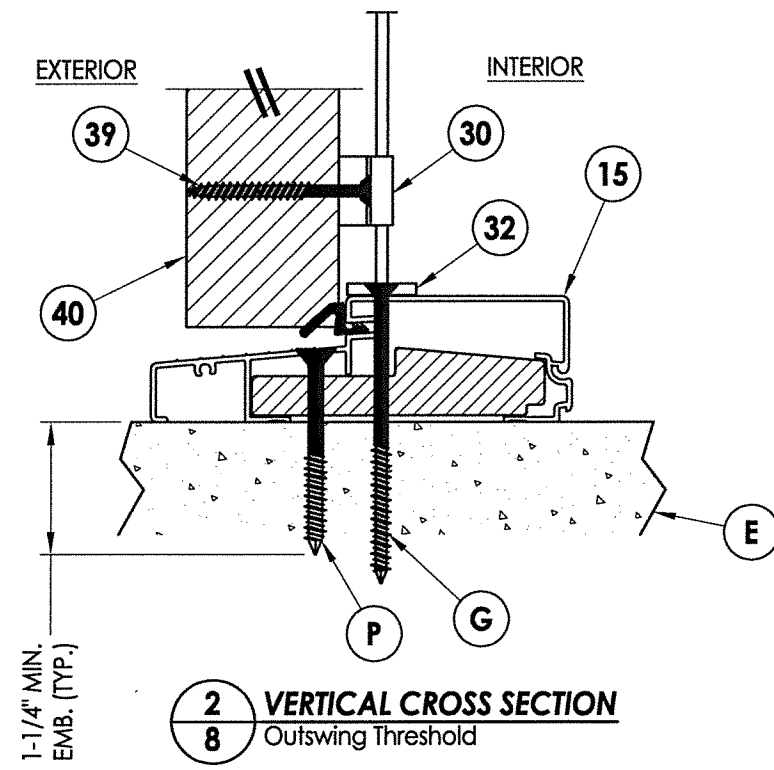
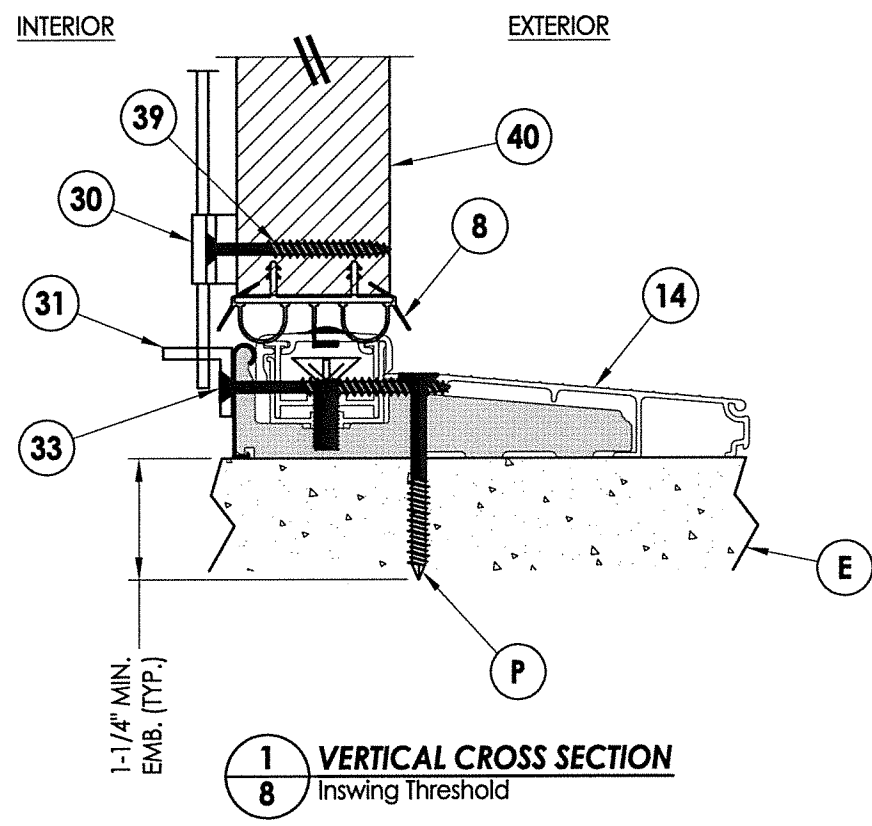
[Signature]

June 7, 2022

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 (DIRECT TO MASONRY)	
NO.	DATE	BY	
		REVISIONS	
DATE: 4/20/22			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-41479.2			
SHEET 7 OF 10			

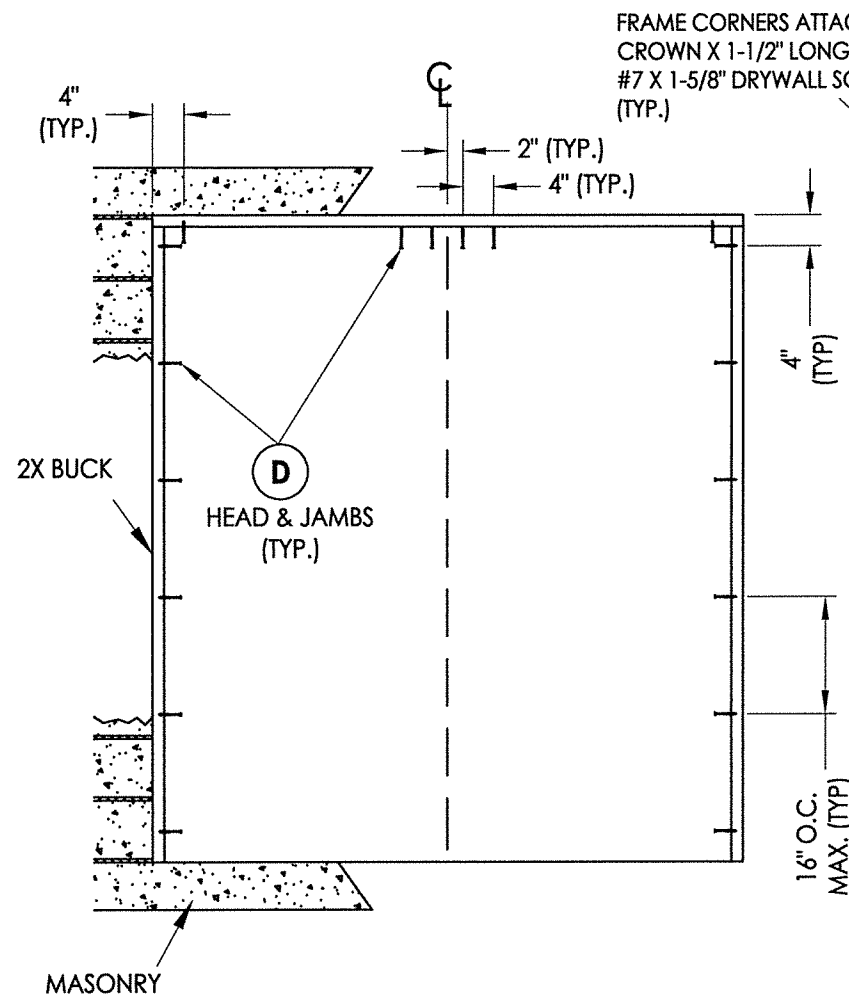


LFS
June 7, 2022
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

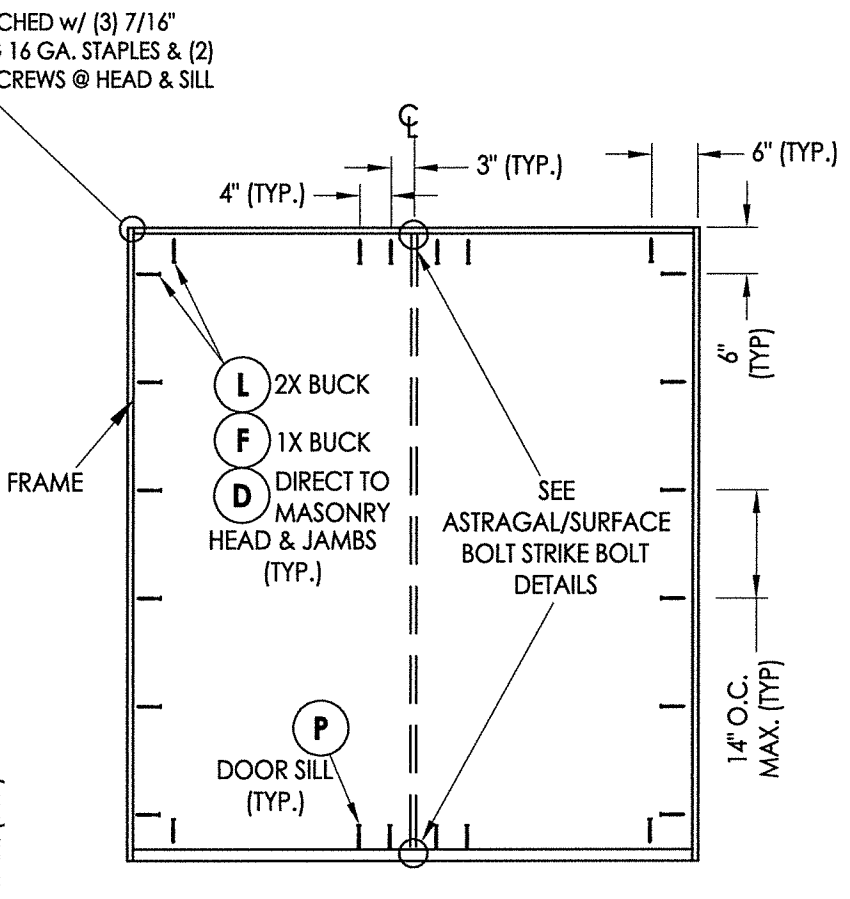
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	STEVES & SONS FIBERGLASS DOOR	
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS	
NO.	DATE	BY
REVISIONS		
DATE:	4/20/22	
SCALE:	N.T.S.	
DWG. BY:	RW	
CHK. BY:	LFS	
DRAWING NO.:	FL-41479.2	
SHEET	8	OF 10

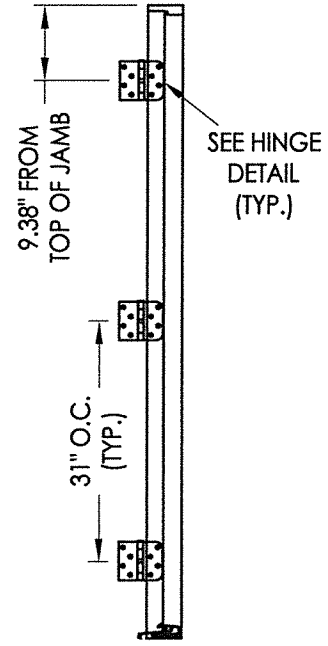
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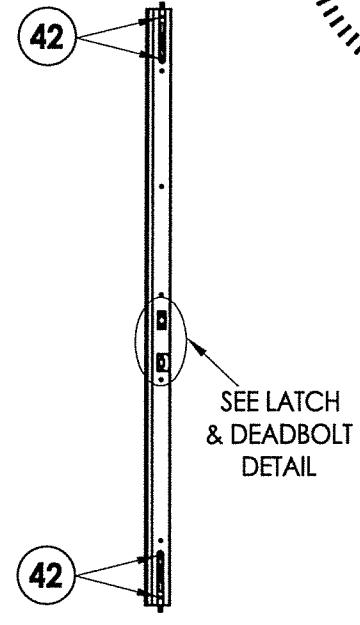
2X BUCK ANCHORING



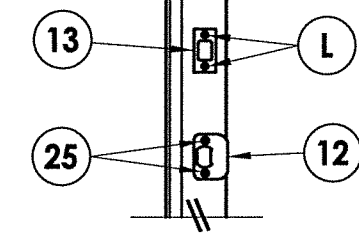
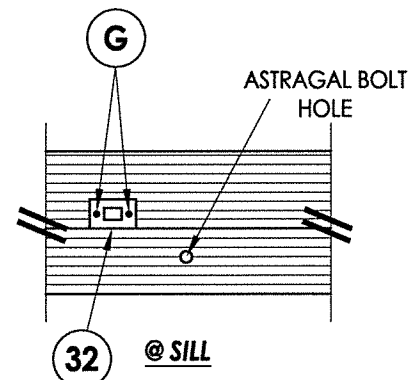
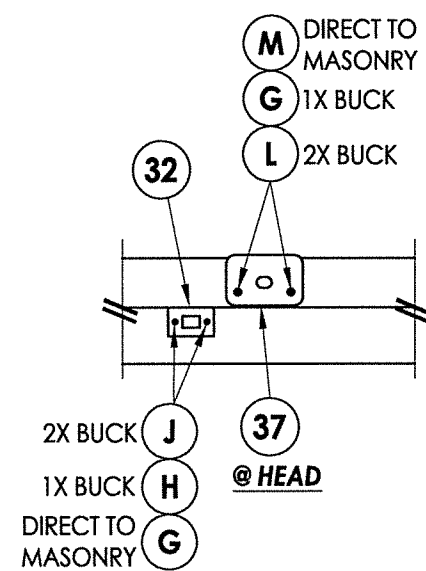
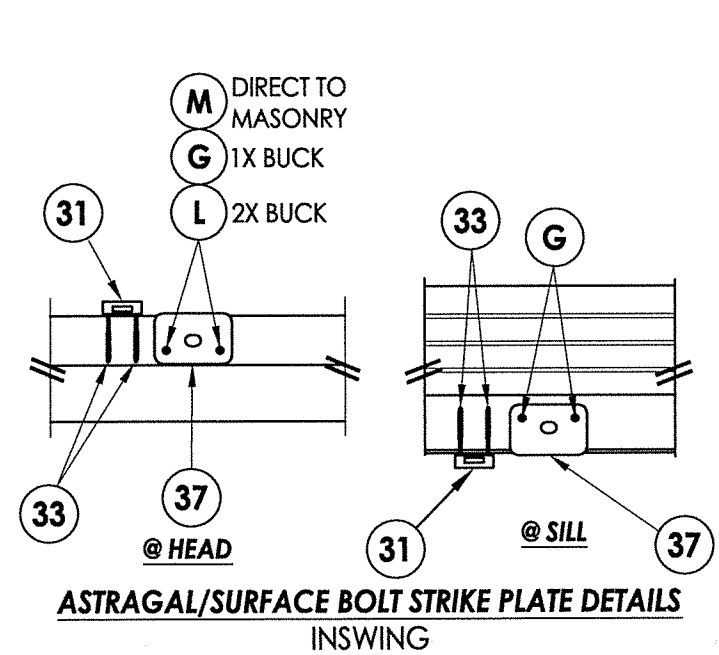
FRAME ANCHORING



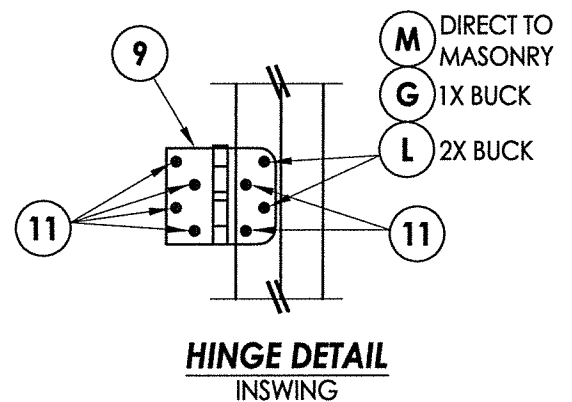
HINGE JAMB



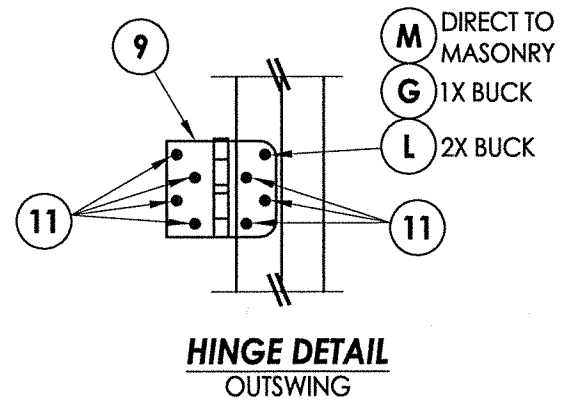
COMPOSITE ASTRAGAL
7" STEEL FLIP LOCK FLUSHBOLT (5/16" Ø)
@ EACH END OF ASTRAGAL



LATCH & DEADBOLT DETAIL



HINGE DETAIL INSWING



HINGE DETAIL OUTSWING

HARDWARE DETAILS

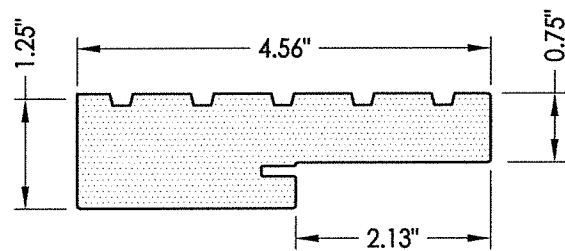
June 7, 2022
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409
 RW BUILDING CONSULTANTS, INC.
 P.O. Box 230, Vairico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT:	STEVES & SONS FIBERGLASS DOOR	
PART OR ASSEMBLY:	BUCK & FRAME ANCHORING & HARDWARE DETAILS	
NO.	DATE	BY
REVISIONS		
DATE:	4/20/22	
SCALE:	N.T.S.	
DWG. BY:	RW	
CHK. BY:	LFS	
DRAWING NO.:	FL-41479.2	
SHEET	9	OF 10

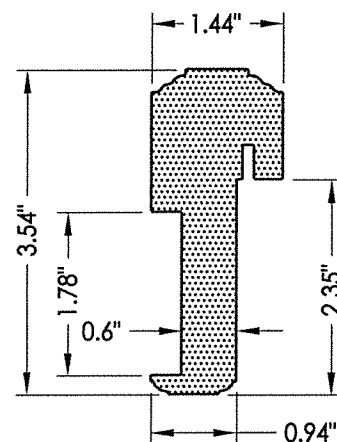
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BILL OF MATERIALS

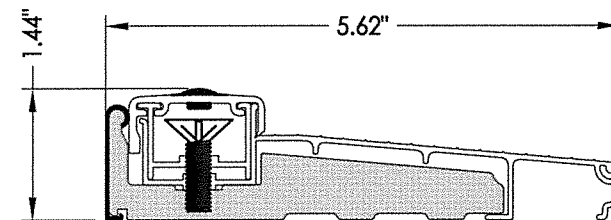
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
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
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 SCREW	STEEL
42	#8 X 2-1/2" FH SMS	STEEL



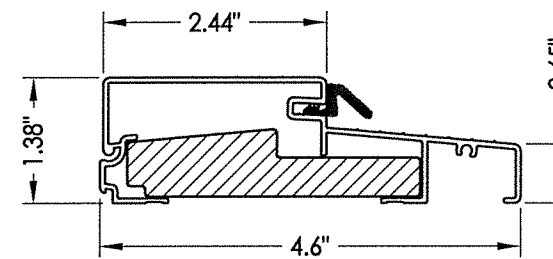
1 COMPOSITE JAMB
WORLDWIDE "4EVER"



38 COMPOSITE ASTRAGAL



14 INSWING THRESHOLD
Columbia



15 OUTSWING THRESHOLD
Columbia

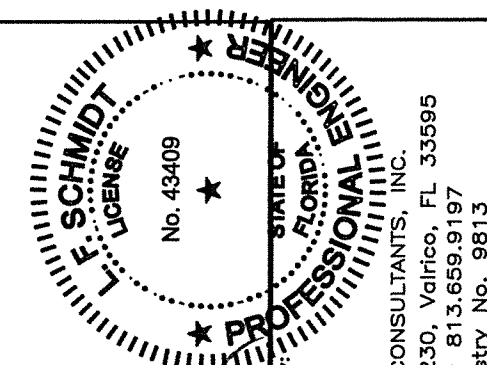
CONCRETE ANCHOR NOTES:

- 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.



June 7, 2022
 Documents Prepared By:
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 FBPE Registry No. 9813

PRODUCT:	STEVE'S & SONS FIBERGLASS DOOR	
PART OR ASSEMBLY:	BILL OF MATERIALS & COMPONENTS	
NO.	DATE	BY
DATE:	4/20/22	
SCALE:	N.T.S.	
DWG. BY:	RW	
CHK. BY:	LFS	
DRAWING NO.:	FL-41479.2	
SHEET	10 OF 10	