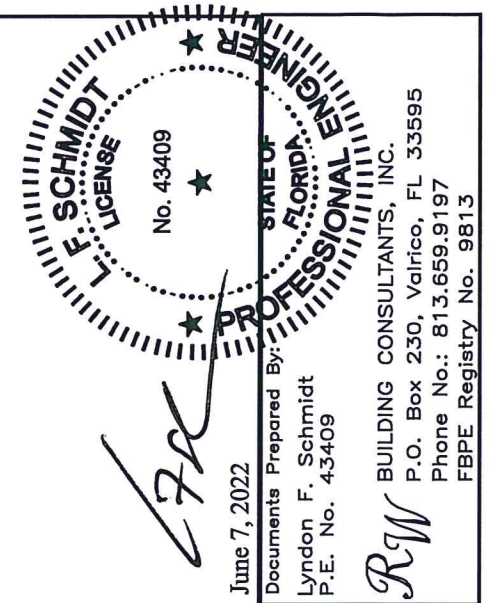


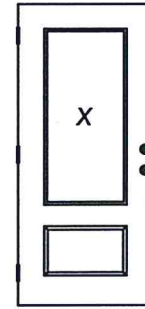
STEVE'S AND SONS

203 Humble Ave.
San Antonio, TX 78225

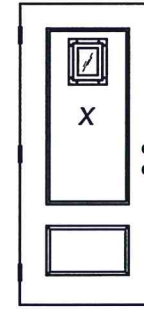


OPAQUE FIBERGLASS DOOR DOUBLE

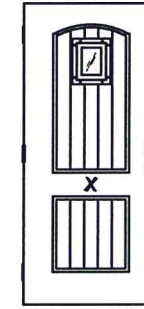
INSWING/OUTSWING
"NON-IMPACT"



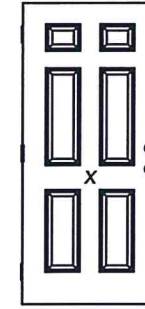
2 PANEL



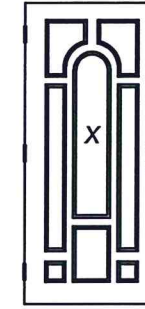
2 PANEL OXFORD
w/ SPEAKEASY



2 PANEL ARCH TOP
PLANK CAVALIER
w/ SPEAKEASY

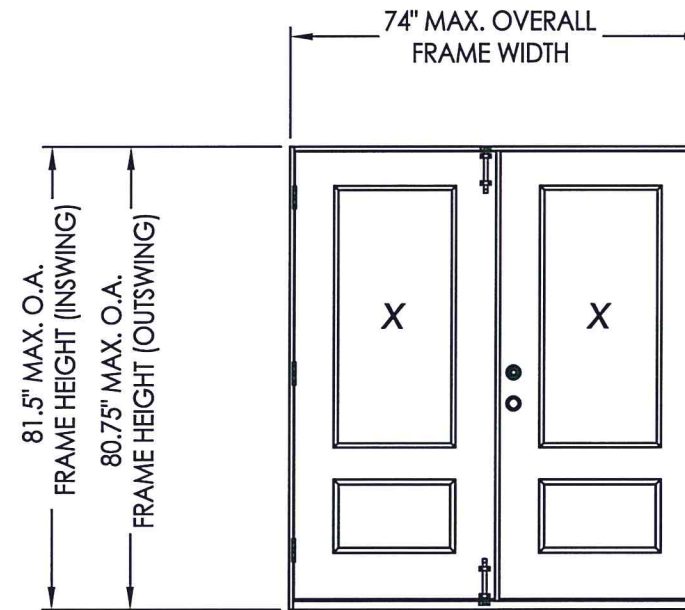


6 PANEL



8 PANEL

REGENCY PANEL COLLECTION



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.

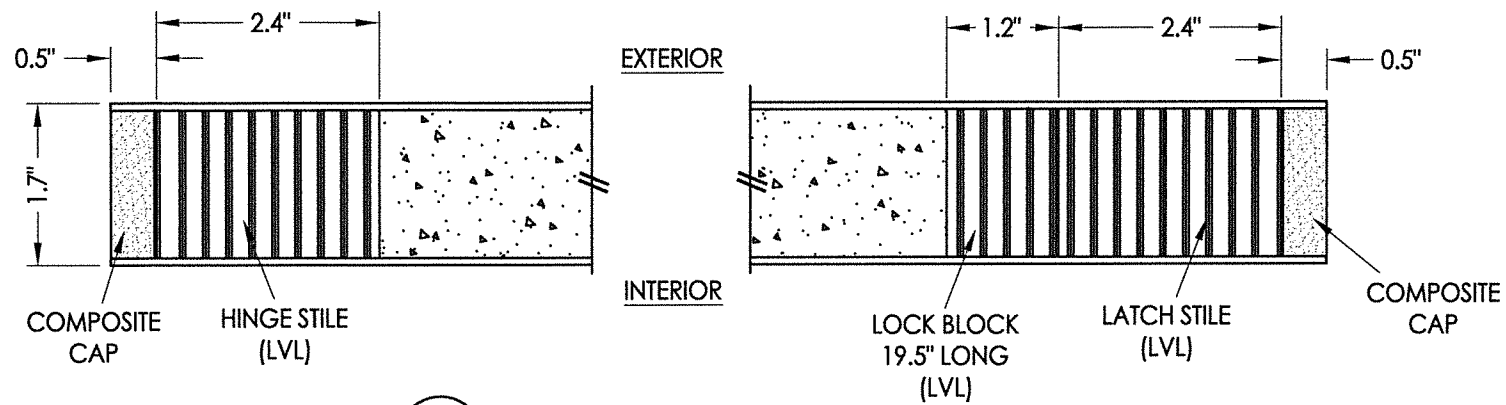
TABLE OF CONTENTS

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	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

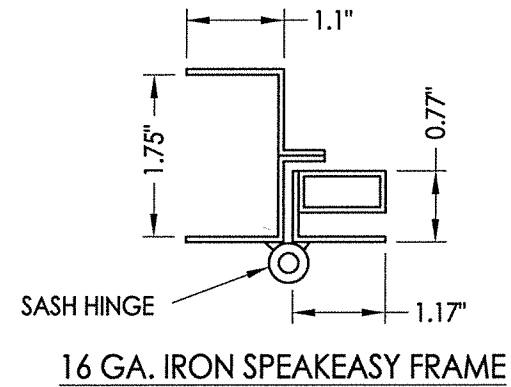
CONFIGURATION	MAX. FRAME DIMENSION	SURFACE BOLTS REQUIRED	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 81.5"	NO	+20.0	-25.0	+20.0	-25.0
		YES	+40.0	-45.0	+40.0	-45.0

PRODUCT: STEVE'S & SONS FIBERGLASS DOOR	
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE
REVISIONS	
DATE: 3/10/22	
SCALE: N.T.S.	
DWG. BY: RW	
CHK. BY: LFS	
DRAWING NO.: FL-41467.4	
SHEET 1 OF 10	

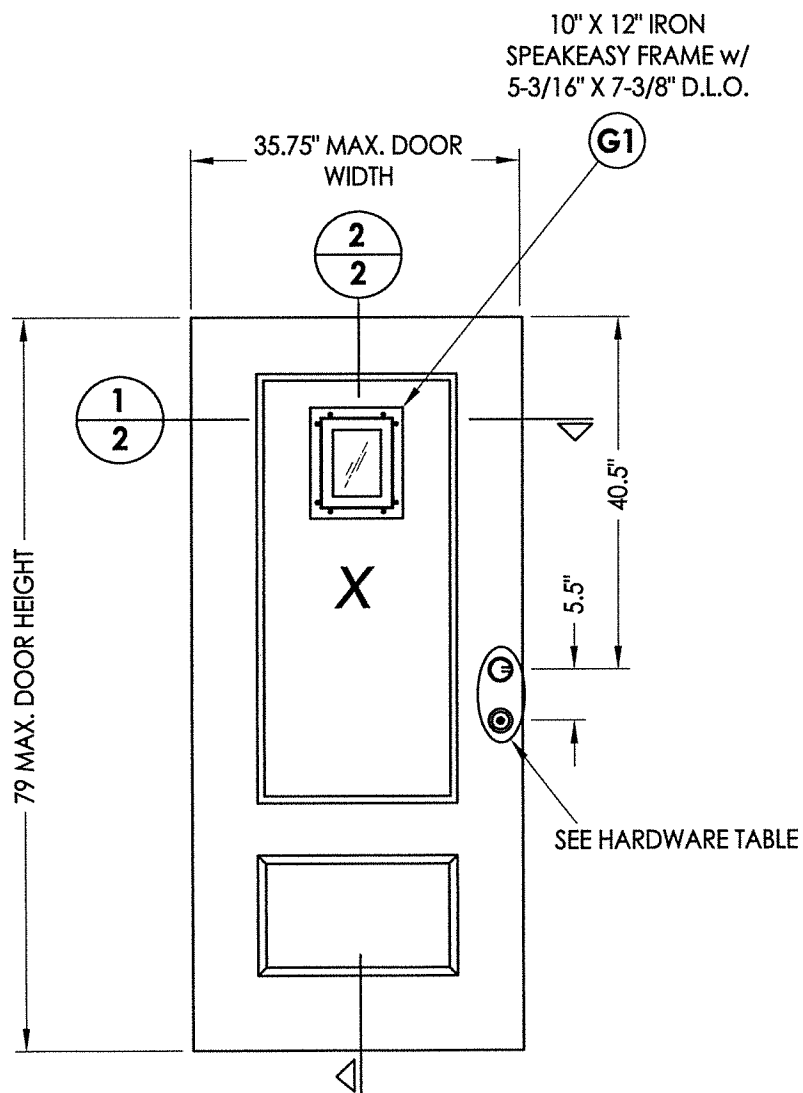
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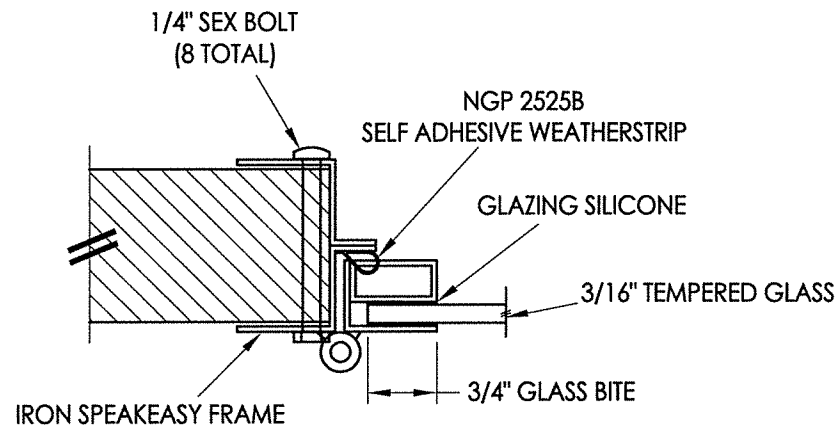
1
2 HORIZONTAL CROSS SECTION



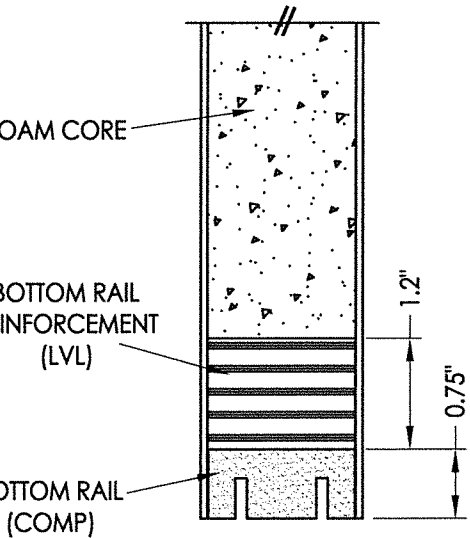
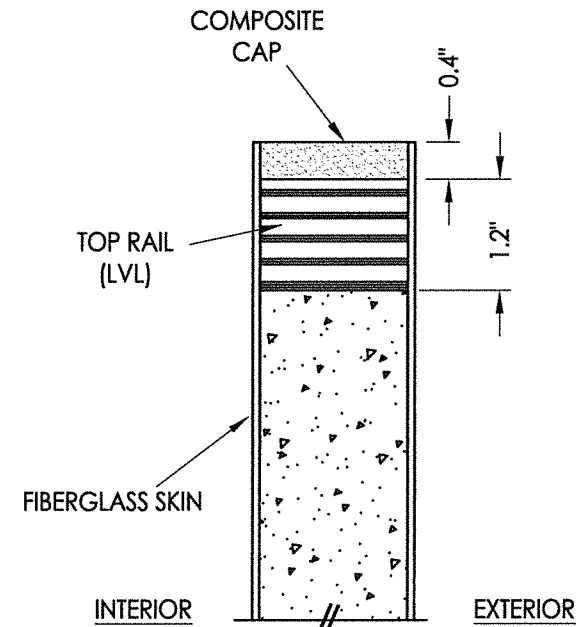
16 GA. IRON SPEAKEASY FRAME



40 FIBERGLASS DOOR PANEL



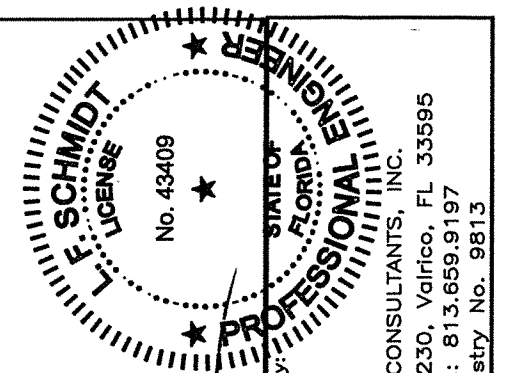
G1 GLAZING DETAIL
SPEAKEASY (OPTIONAL)



2
2 VERTICAL CROSS SECTION

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

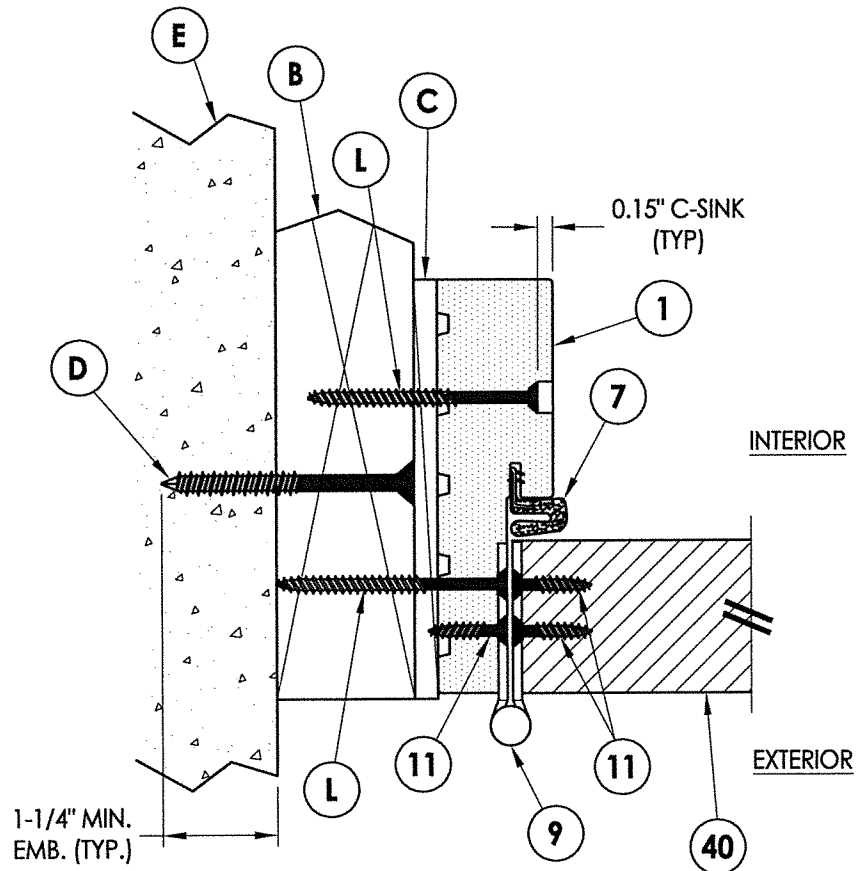
FIBERGLASS SKIN: 0.08" MIN. THK.
FOAM CORE: POLYURETHANE - 1.9 PCF MIN.)



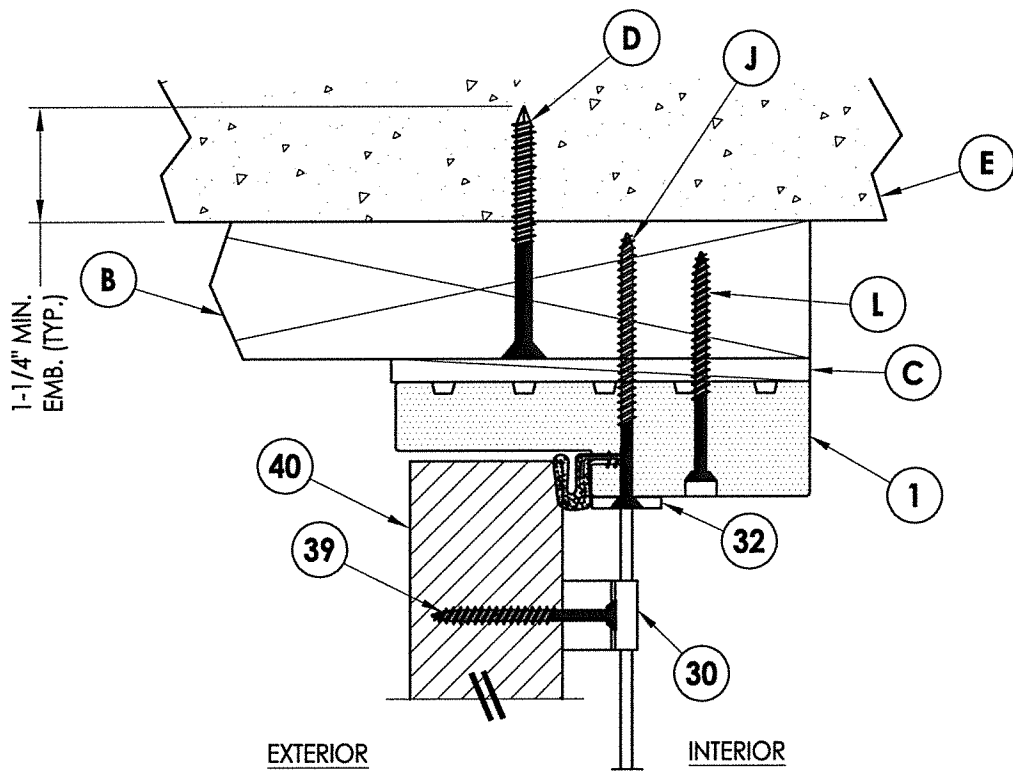
June 7, 2022
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409
 RW BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT:	STEVE'S & SONS FIBERGLASS DOOR
PART OR ASSEMBLY:	DOOR PANEL DETAILS
NO.	DATE
BY	REVISIONS
DATE:	3/10/22
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-41467.4
SHEET	2 OF 10

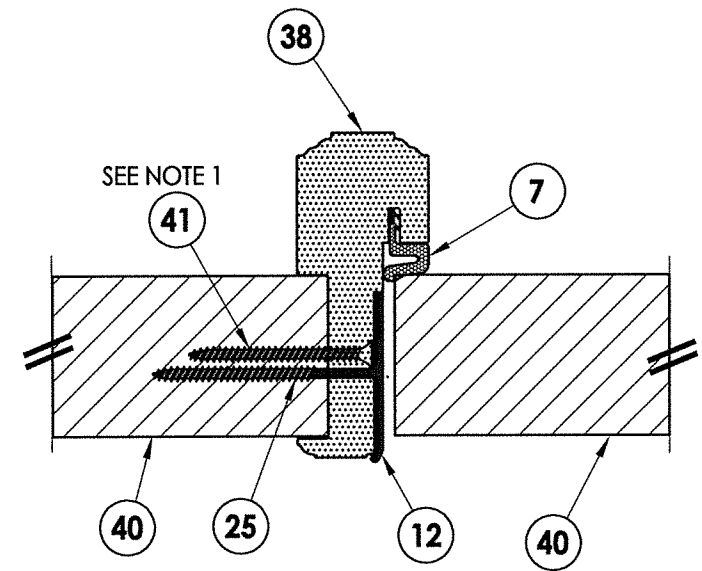
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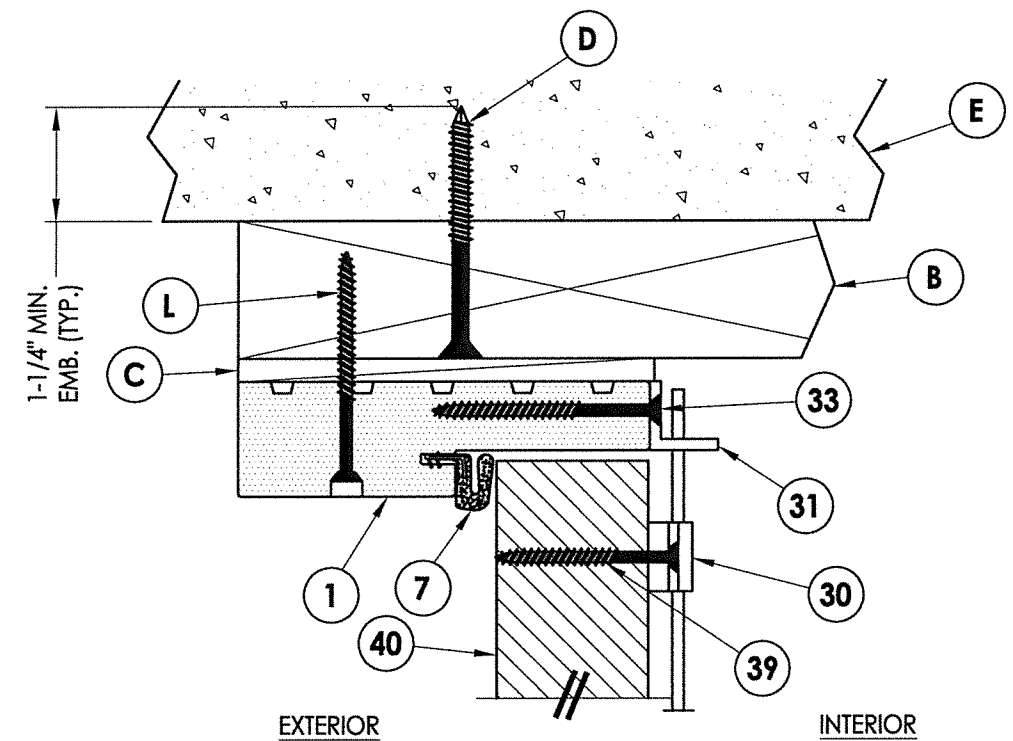
1 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
 Outswing shown (Inswing similar)



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").

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 L. F. SCHMIDT
 LICENSE No. 43409

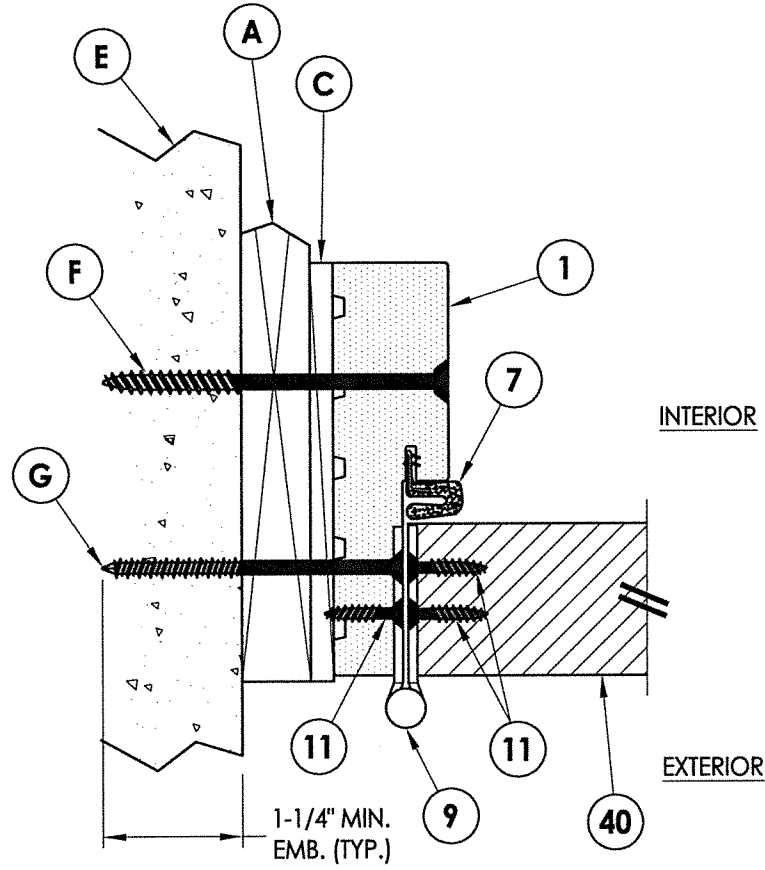
STATE OF FLORIDA
 PROFESSIONAL ENGINEER

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

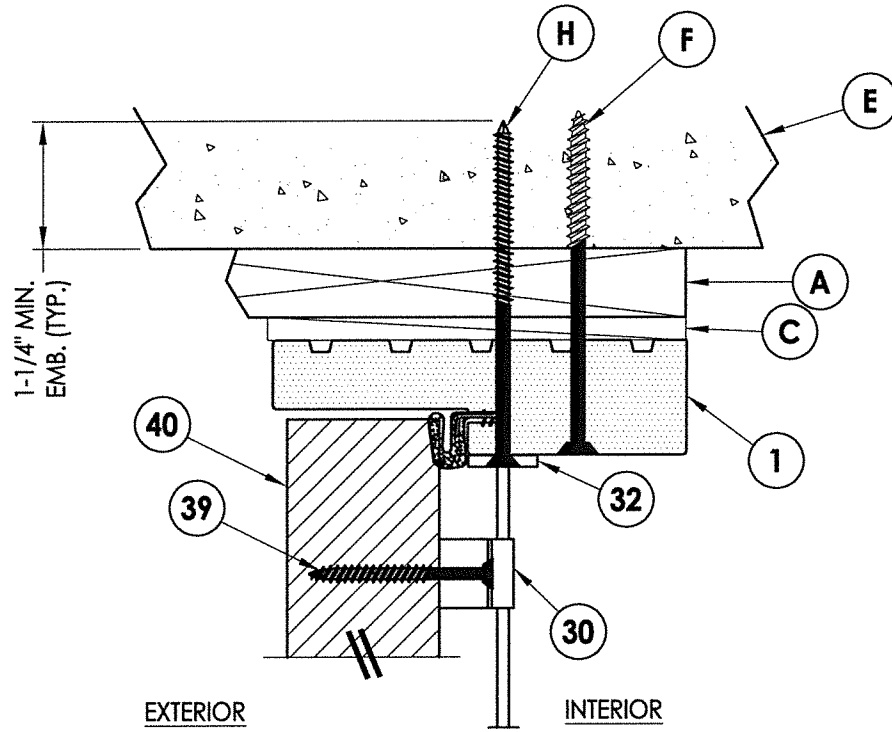
R.W.
 BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT:	STEVES & 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-41467.4
SHEET	5 OF 10
NO.	DATE
BY	
REVISIONS	

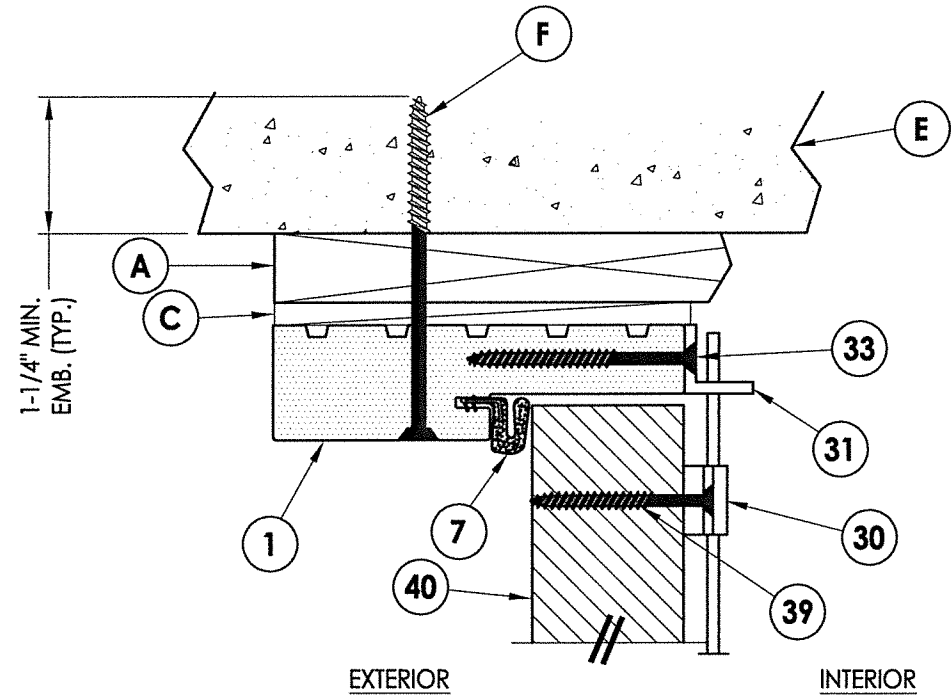
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1 HORIZONTAL CROSS SECTION
 6 Shown w/ 1X Buck
 Outswing shown (Inswing similar)



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



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

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

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

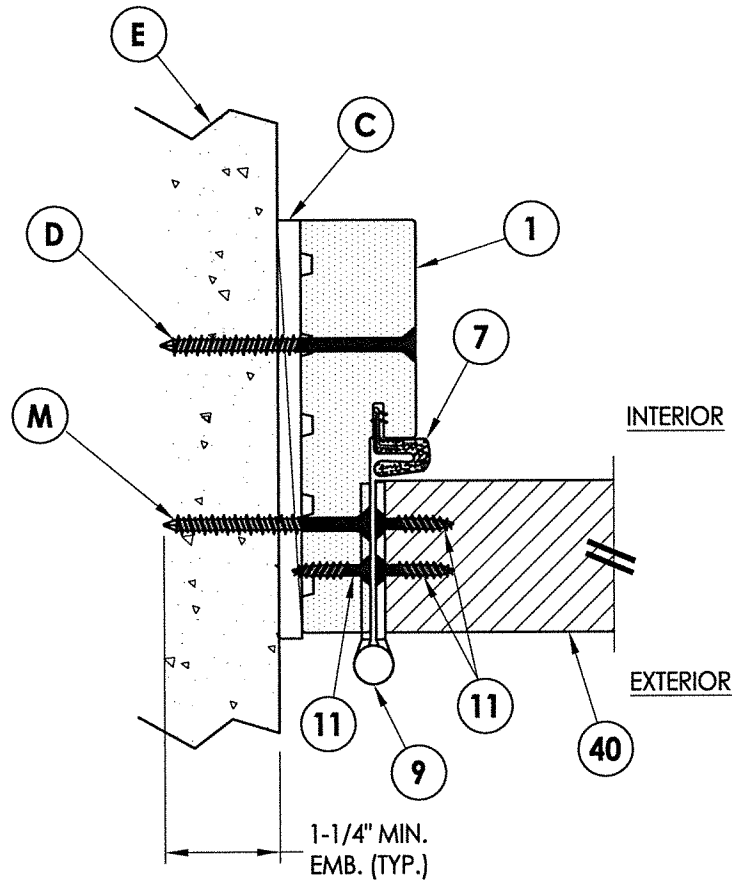
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 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT:
 STEVES & SONS
 FIBERGLASS DOOR

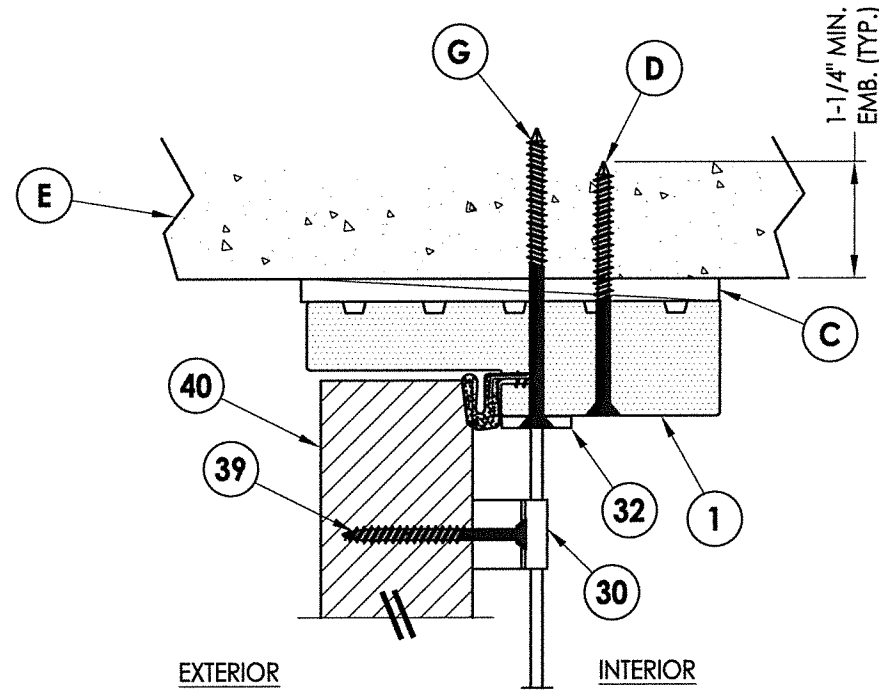
PART OR ASSEMBLY:
 HORIZONTAL & VERTICAL
 CROSS SECTIONS (1X BUCK)

NO.	DATE	BY	REVISIONS

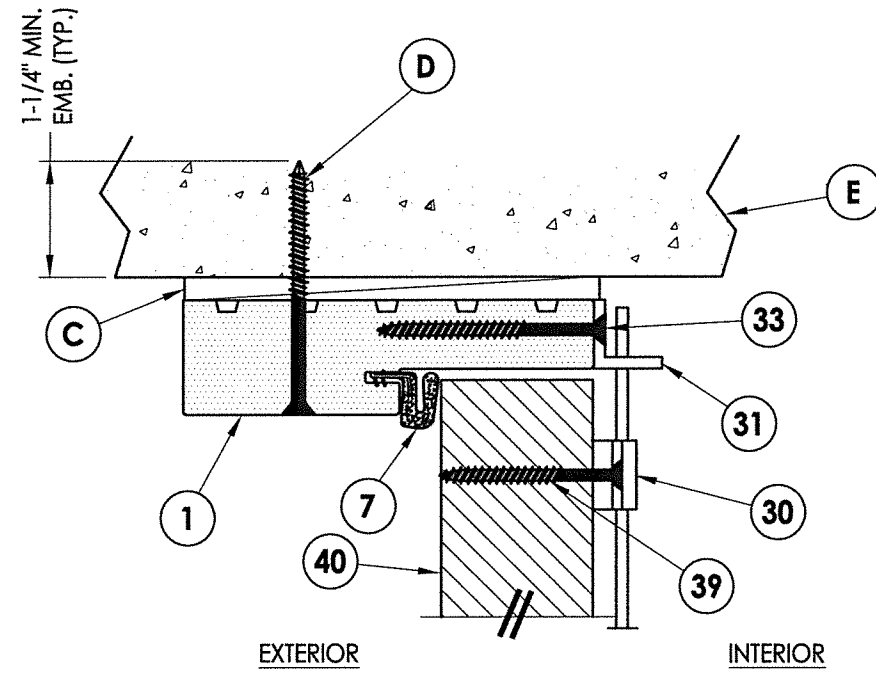
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 SCALE: N.T.S.
 DWG. BY: RW
 CHK. BY: LFS
 DRAWING NO.: FL-41467.4
 SHEET 6 OF 10



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



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



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

FLORIDA PROFESSIONAL ENGINEER

F. SCHMIDT

LICENSE No. 43409

June 7, 2022

Documents Prepared By: *LFS*

Lyndon F. Schmidt
P.E. No. 43409

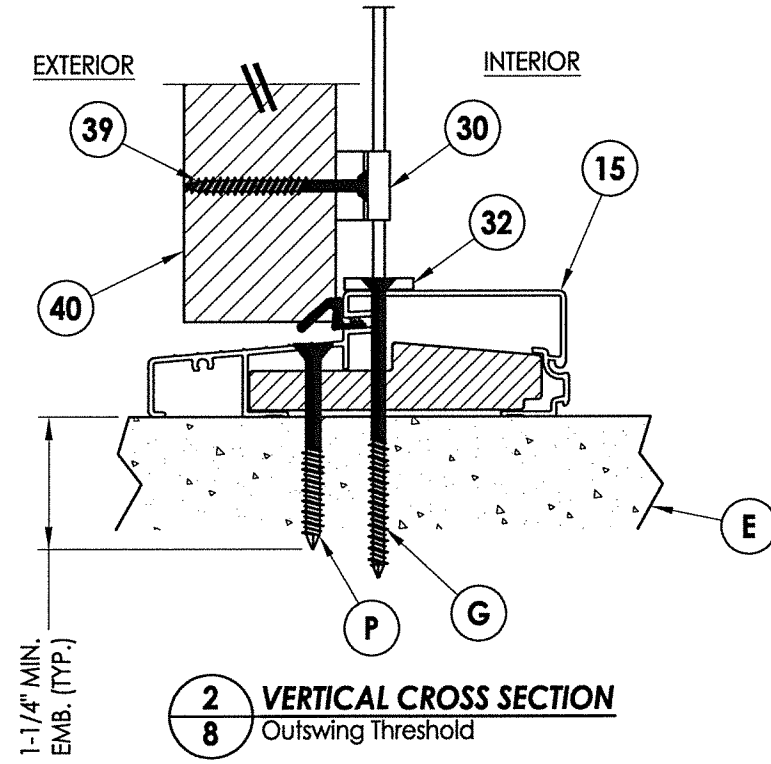
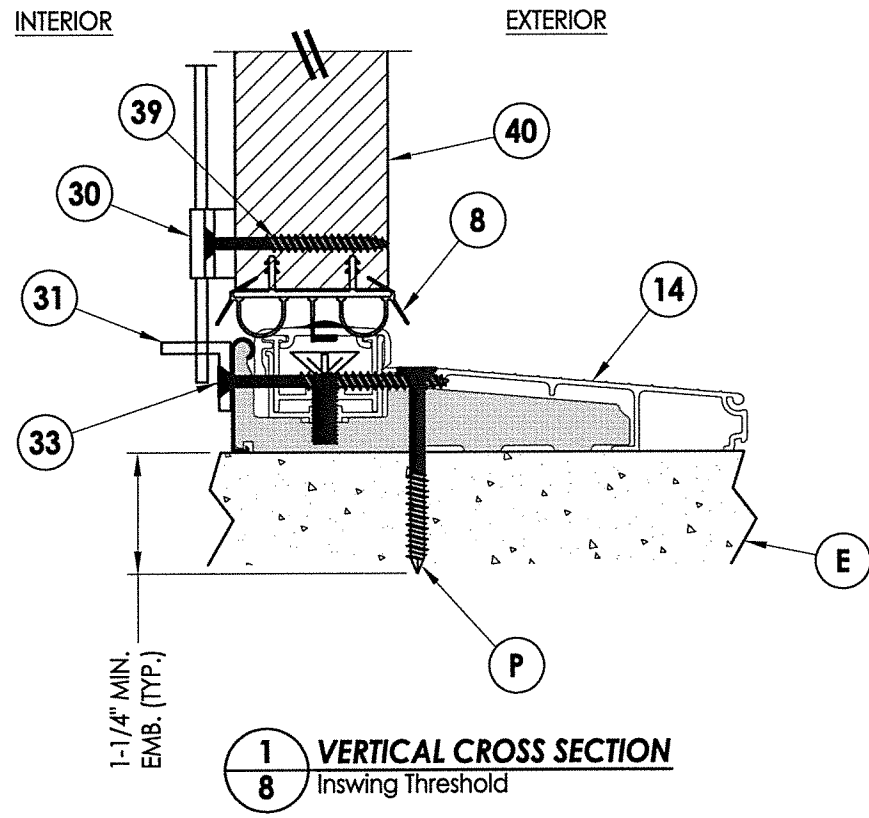
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
STEVES & SONS
FIBERGLASS DOOR

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

REVISIONS	
NO.	DATE

DATE: 3/10/22
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-41467.4
SHEET 7 OF 10



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

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

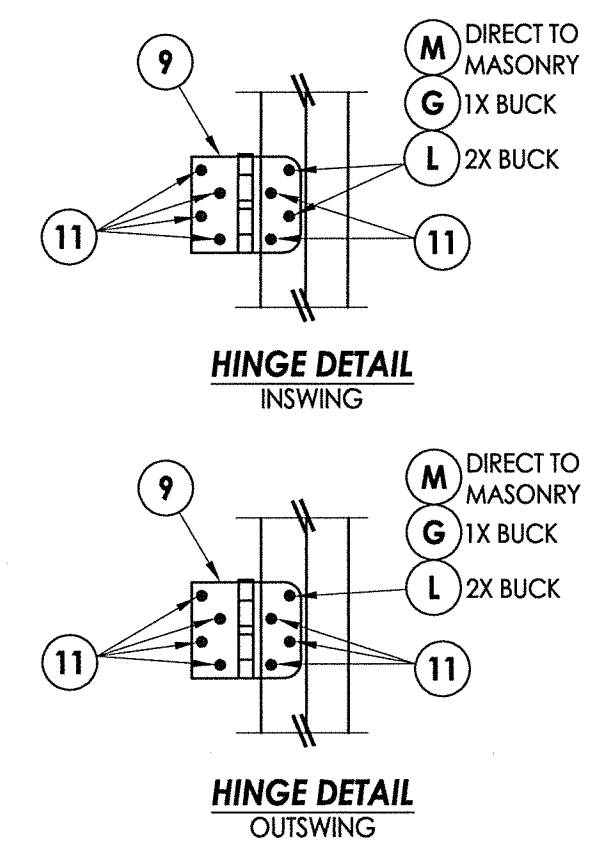
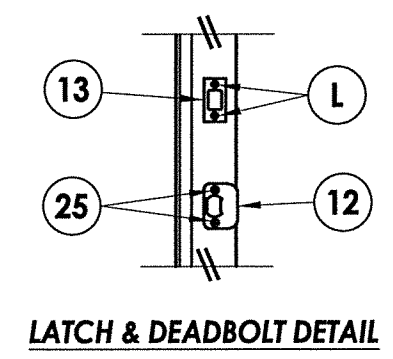
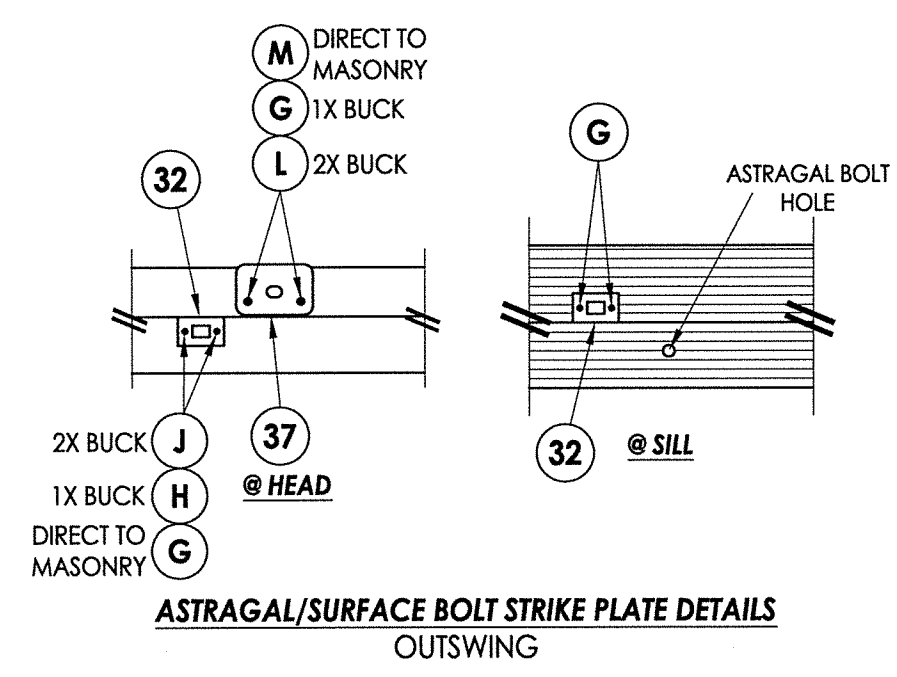
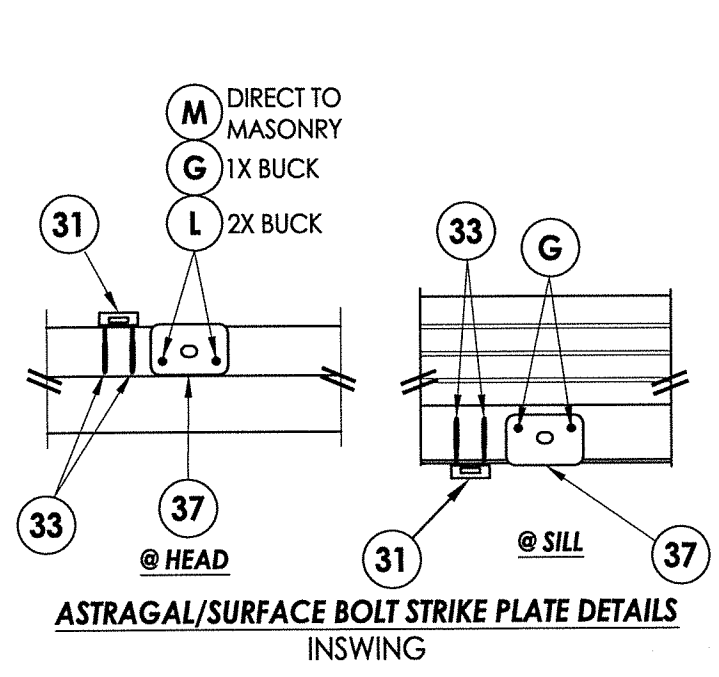
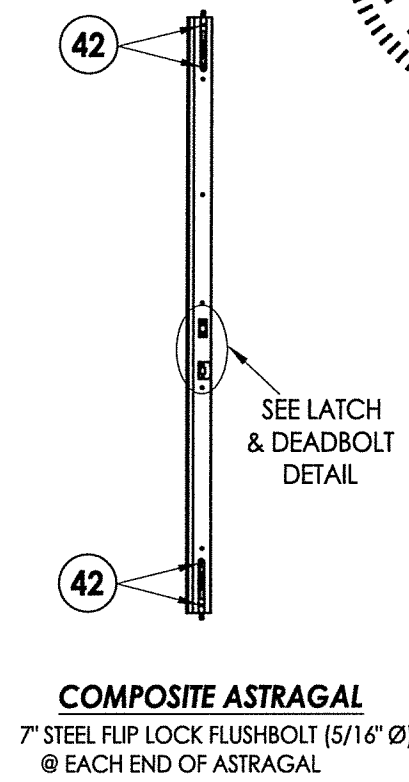
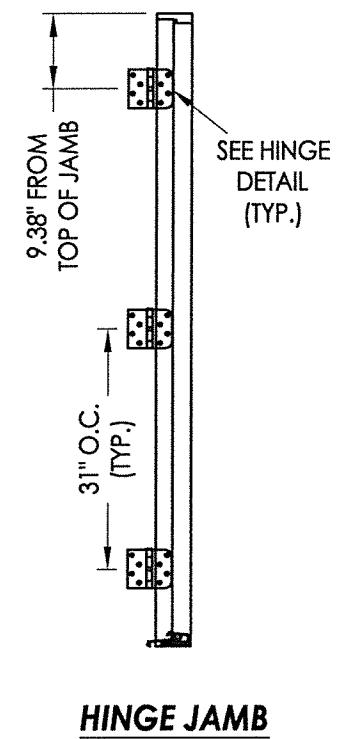
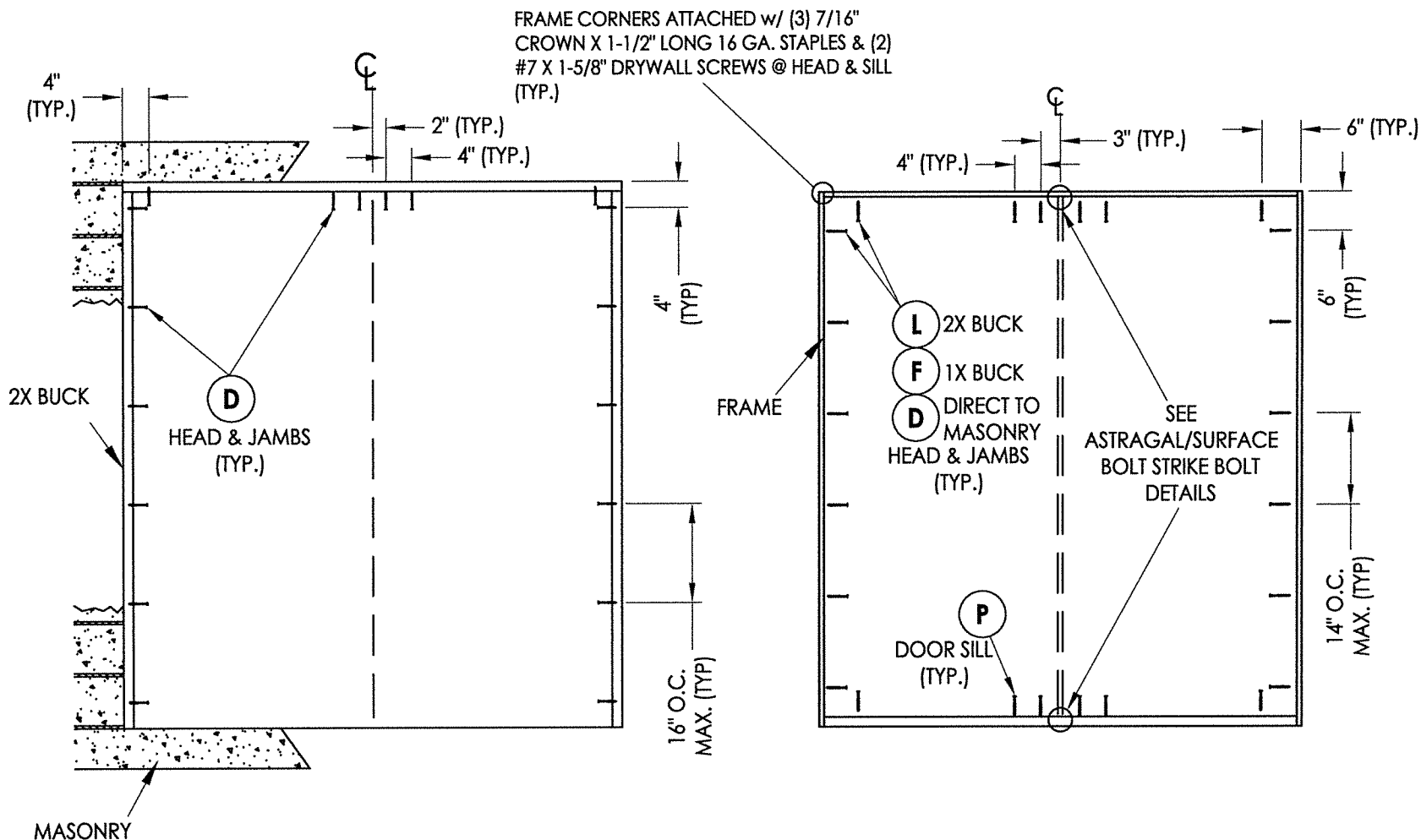
PRODUCT:	STEVES & SONS FIBERGLASS DOOR
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS
NO. DATE	BY

DATE: 3/10/22
 SCALE: N.T.S.
 DWG. BY: RW
 CHK. BY: LFS
 DRAWING NO.:
 FL-41467.4
 SHEET 8 OF 10

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June 7, 2022
 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



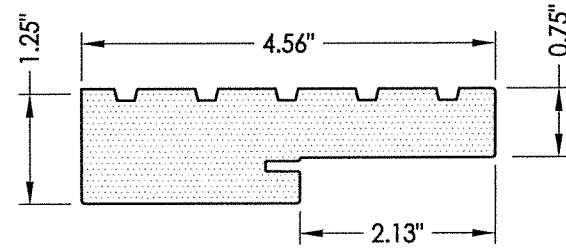
HARDWARE DETAILS

PRODUCT:	STEVES & SONS FIBERGLASS DOOR	
PART OR ASSEMBLY:	BUCK & FRAME ANCHORING & HARDWARE DETAILS	
NO.	DATE	BY
		REVISIONS
DATE:	3/10/22	
SCALE:	N.T.S.	
DWG. BY:	RW	
CHK. BY:	LFS	
DRAWING NO.:	FL-41467.4	
SHEET	9	OF 10

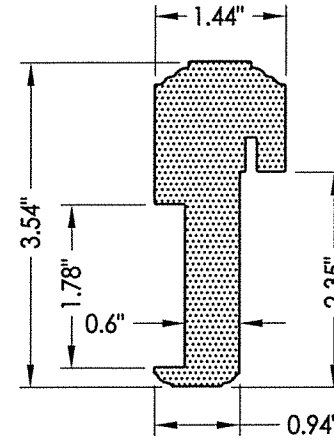
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BILL OF MATERIALS

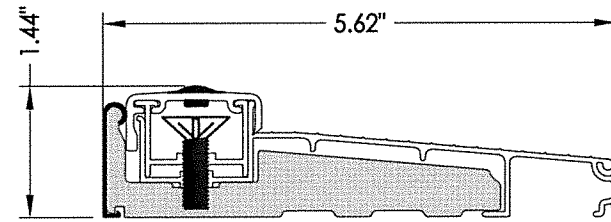
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" PFH DeWALT OR ITW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



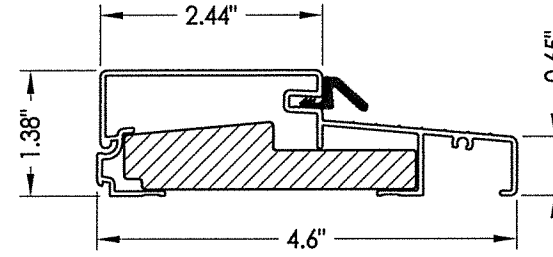
1 COMPOSITE JAMB
WORLDWIDE "4EVER"



38 COMPOSITE ASTRAGAL



14 INSWING THRESHOLD
Columbia



15 OUTSWING THRESHOLD
Columbia

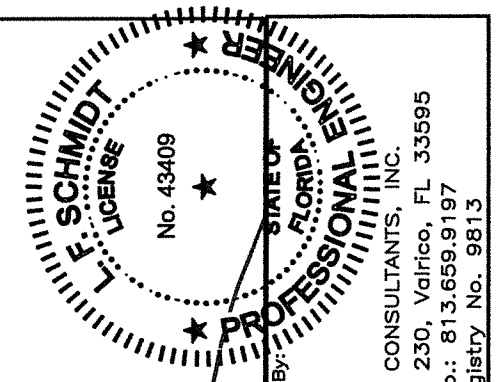
CONCRETE ANCHOR NOTES:

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.



June 7, 2022
Documents Prepared By:
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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: BILL OF MATERIALS & COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 3/10/22
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-41467.4
SHEET 10 of 10