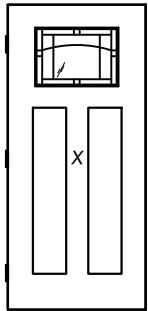


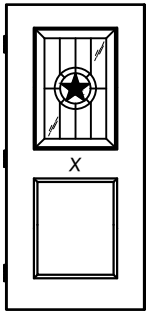


STEVE'S AND SONS

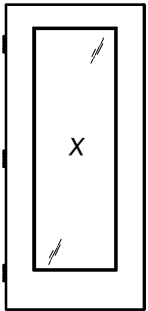
203 Humble Ave.
San Antonio, TX 78225



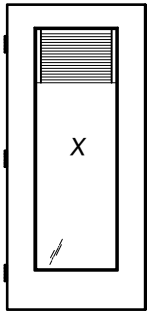
1/4 LITE



1/2 LITE



FULL LITE



FULL LITE
w/ MICROBLINDS

LEGACY DECORATIVE & MICROBLIND COLLECTION

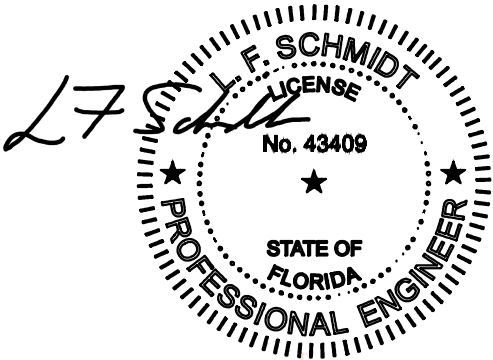
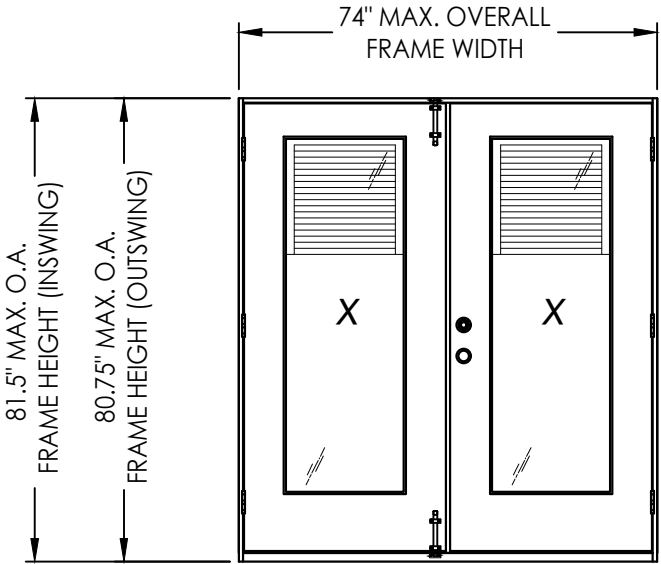
DIRECT GLAZED FIBERGLASS DOOR
DOUBLE

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	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



Digitally signed by Lyndon F Schmidt
Date: 2023.08.02 15:12:34 -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

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

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: 4/20/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-41479.5

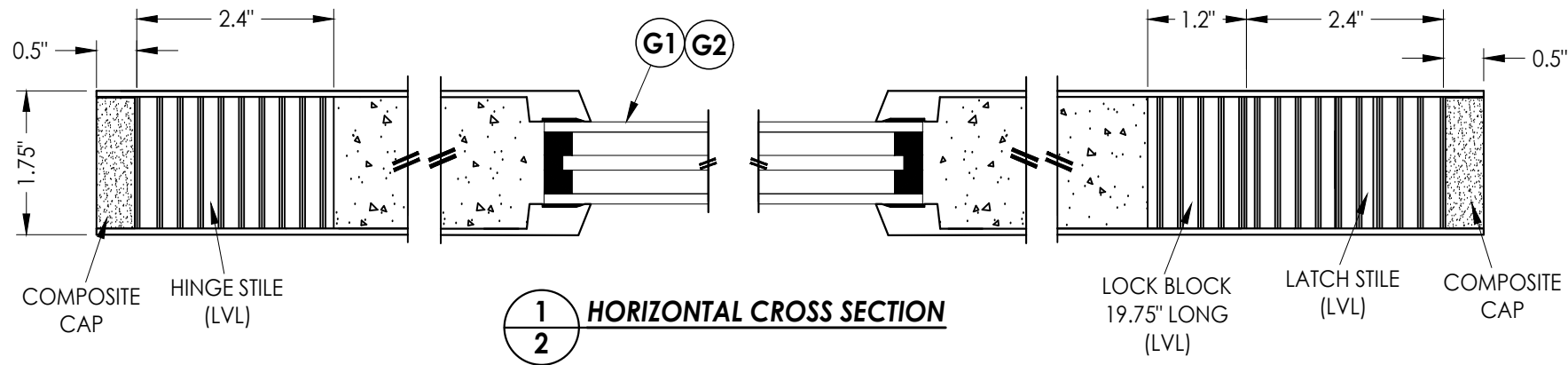
SHEET 1 OF 10

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

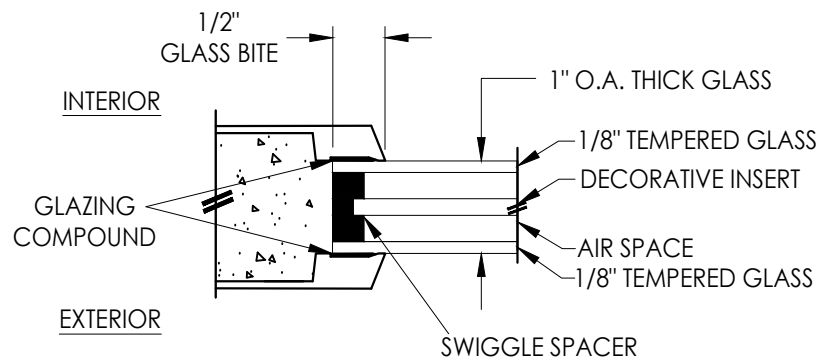
REVISIONS

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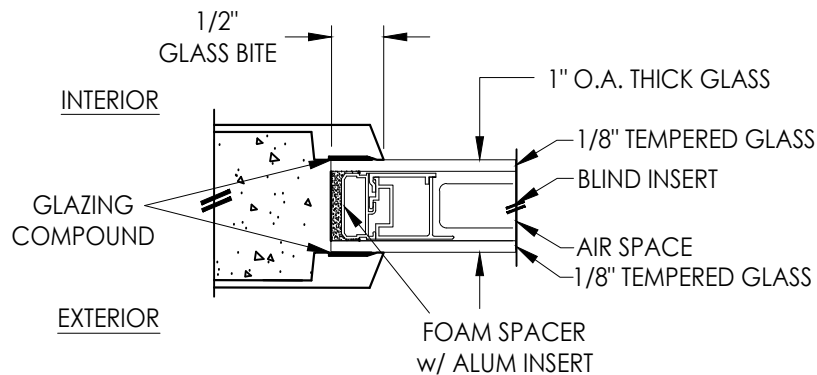
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1
2 HORIZONTAL CROSS SECTION

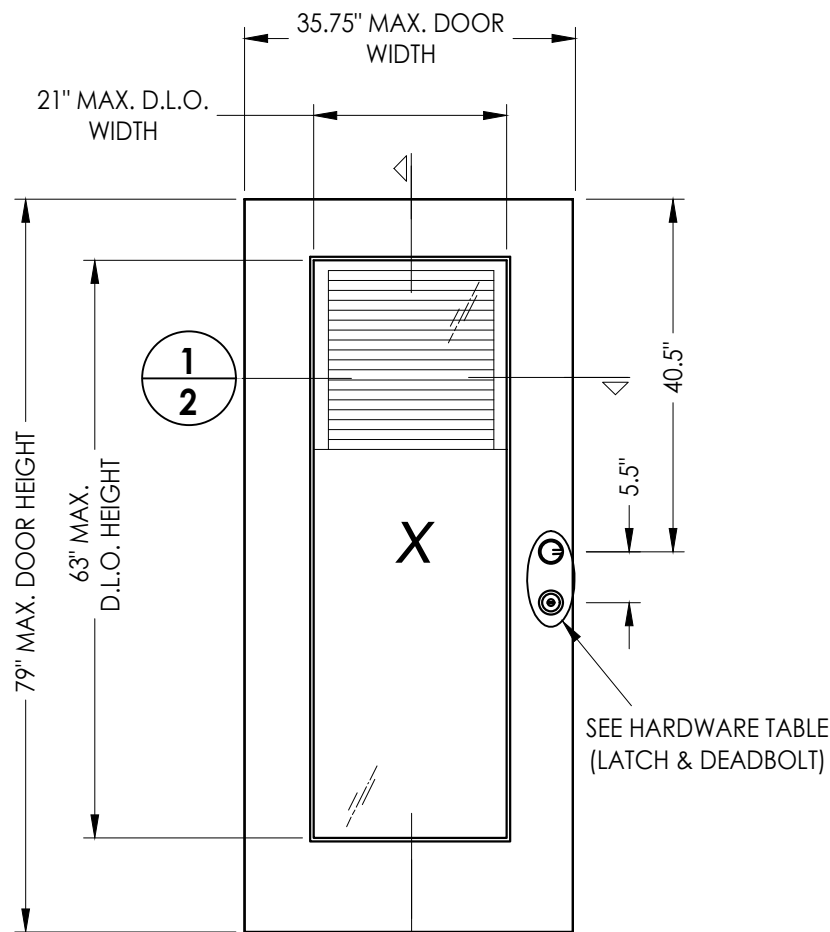


G1 GLAZING DETAIL
DECORATIVE GLASS



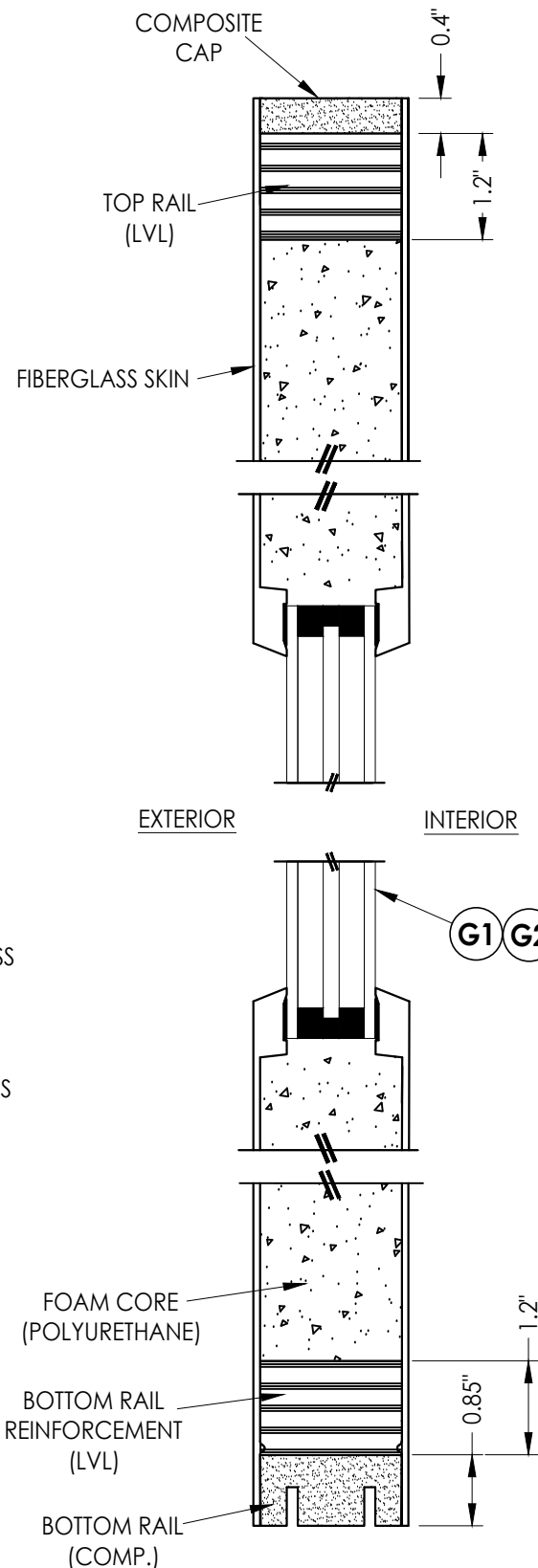
G2 GLAZING DETAIL
w/ MICROBLINDS

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



40 FIBERGLASS DOOR PANEL

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



2
2 VERTICAL CROSS SECTION

Documents Prepared By:
Lyndon F. Schmidt
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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:
DOOR
PANEL DETAILS

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

DATE: 4/20/22

SCALE: N.T.S.

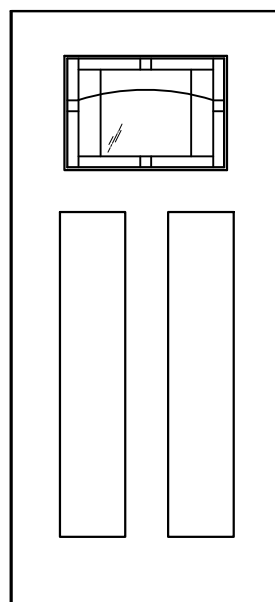
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CHK. BY: LFS

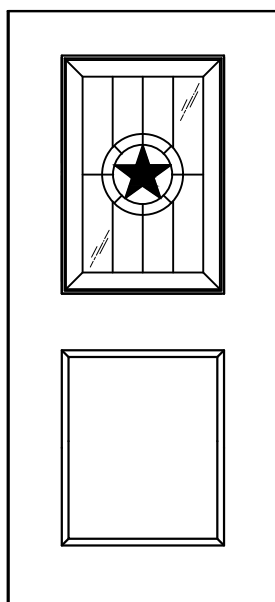
DRAWING NO.:

FL-41479.5

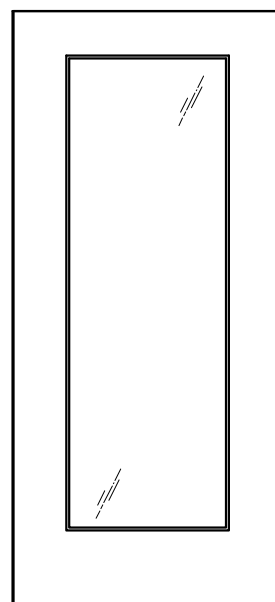
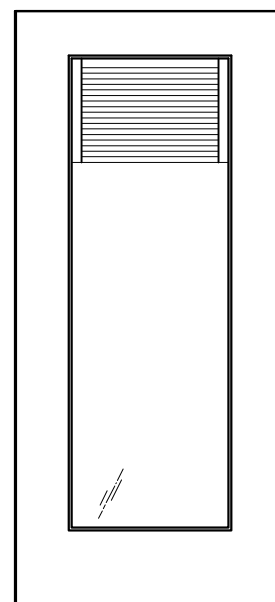
SHEET 2 OF 10



1/4 LITE



1/2 LITE

**FULL LITE**

**FULL LITE
w/
MICROBLINDS**

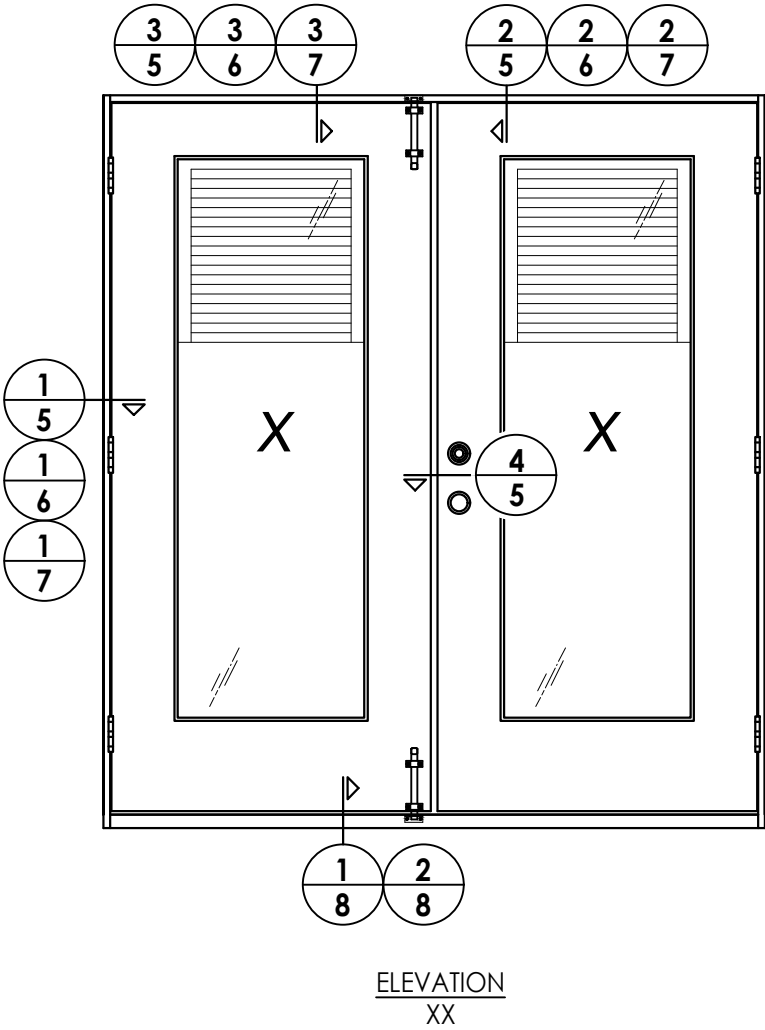
LEGACY DECORATIVE & MICROBLIND COLLECTION

[illegible]

PRODUCT:	STEVES & SONS FIBERGLASS DOOR
PART OR ASSEMBLY:	PANEL OPTIONS

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

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DATE: 4/20/22
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-41479.5
SHEET 4 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: ELEVATIONS

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Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
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Technical drawing of a window assembly cross-section, showing the exterior and interior components. The drawing includes callouts A through L, indicating specific parts and dimensions.

- A:** Dimension line indicating a minimum depth of 1-1/4" MIN. EMB. (TYP.) for the exterior concrete.
- B:** Exterior concrete wall.
- C:** Interior concrete wall.
- D:** Exterior concrete reinforcement bar (rebar).
- E:** Exterior concrete wall surface.
- F:** Window frame or sash.
- G:** Window pane or glass.
- H:** Interior concrete wall.
- I:** Interior concrete wall surface.
- J:** Interior concrete reinforcement bar (rebar).
- K:** Interior concrete wall.
- L:** Interior concrete reinforcement bar (rebar).
- 1:** Window frame or sash.
- 7:** Window pane or glass.
- 30:** Interior concrete wall.
- 31:** Interior concrete wall.
- 33:** Interior concrete wall.
- 39:** Interior concrete wall.
- 40:** Interior concrete wall.

The drawing is labeled "EXTERIOR" on the left and "INTERIOR" on the right. A break symbol (two parallel diagonal lines) is shown at the bottom right, indicating the section continues.

Technical drawing of a door threshold cross-section. The drawing is divided into two horizontal sections: the top section is labeled "INTERIOR" and the bottom section is labeled "EXTERIOR". The threshold is shown as a cross-section of a door frame. The interior side (top) features a large, textured rectangular component labeled 38, which is mounted on a base labeled 7. A small, L-shaped component labeled 41 is visible on the interior side. The exterior side (bottom) features a large, textured rectangular component labeled 40, which is mounted on a base labeled 12. A small, L-shaped component labeled 25 is visible on the exterior side. The threshold is shown as a cross-section of a door frame. The interior side (top) features a large, textured rectangular component labeled 38, which is mounted on a base labeled 7. A small, L-shaped component labeled 41 is visible on the interior side. The exterior side (bottom) features a large, textured rectangular component labeled 40, which is mounted on a base labeled 12. A small, L-shaped component labeled 25 is visible on the exterior side.

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

A

C

F

E

1

7

40

30

31

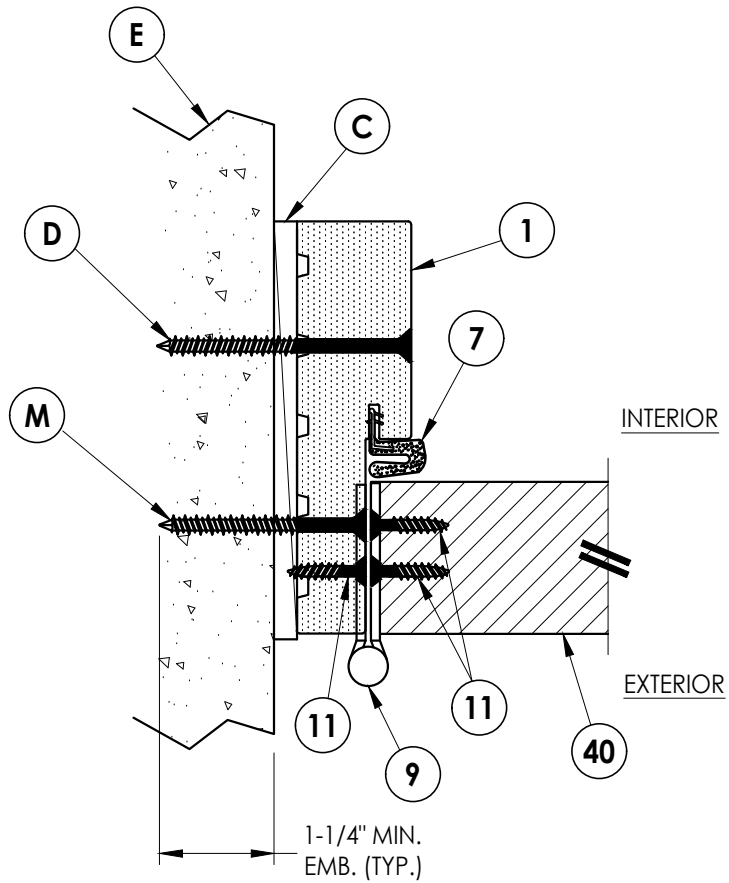
33

39

EXTERIOR

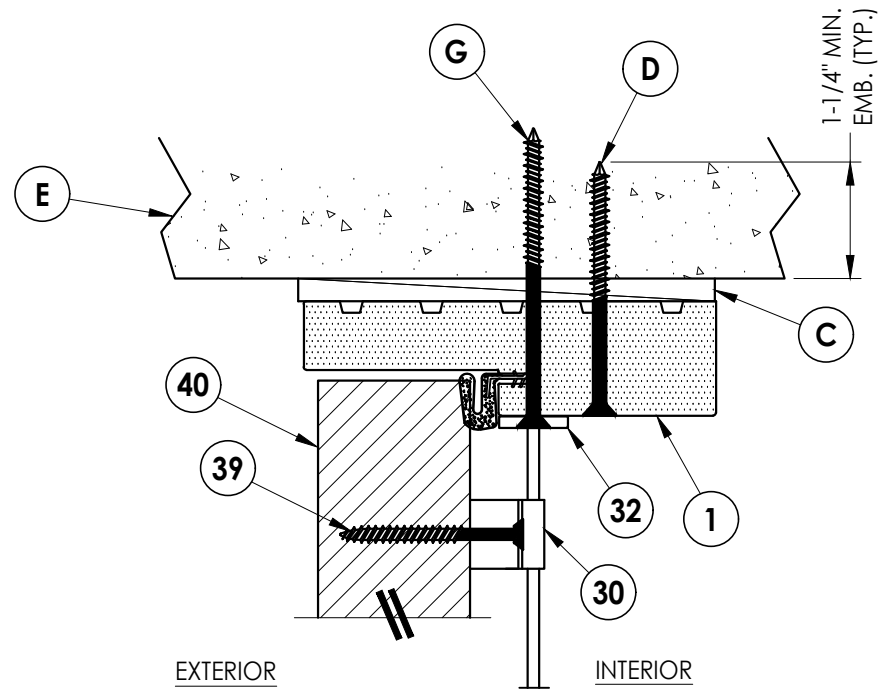
INTERIOR

[illegible]

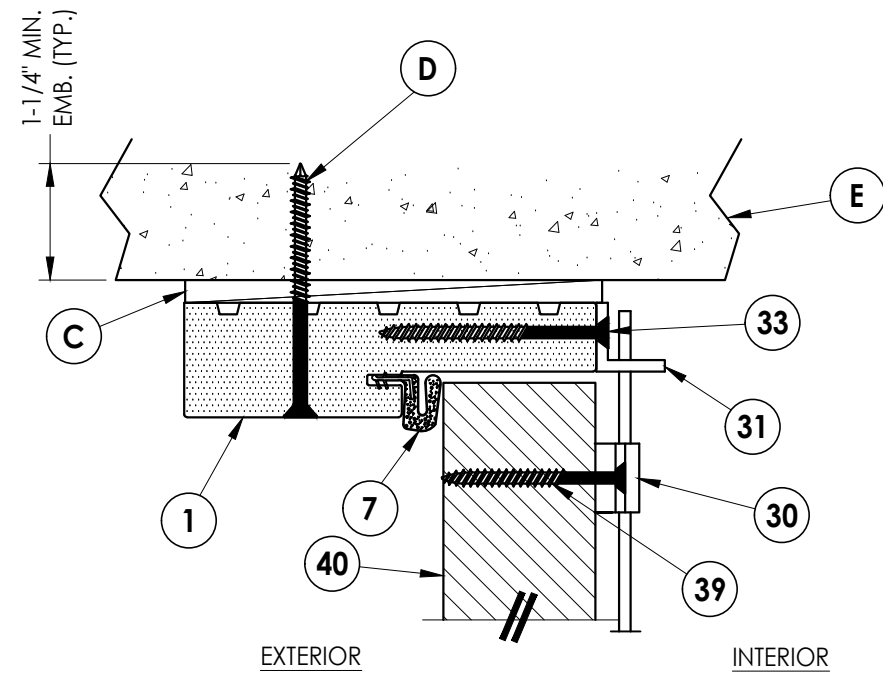


1 7 **HORIZONTAL CROSS SECTION**

Shown Direct to Masonry
Outswing shown (Inswing similar)



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



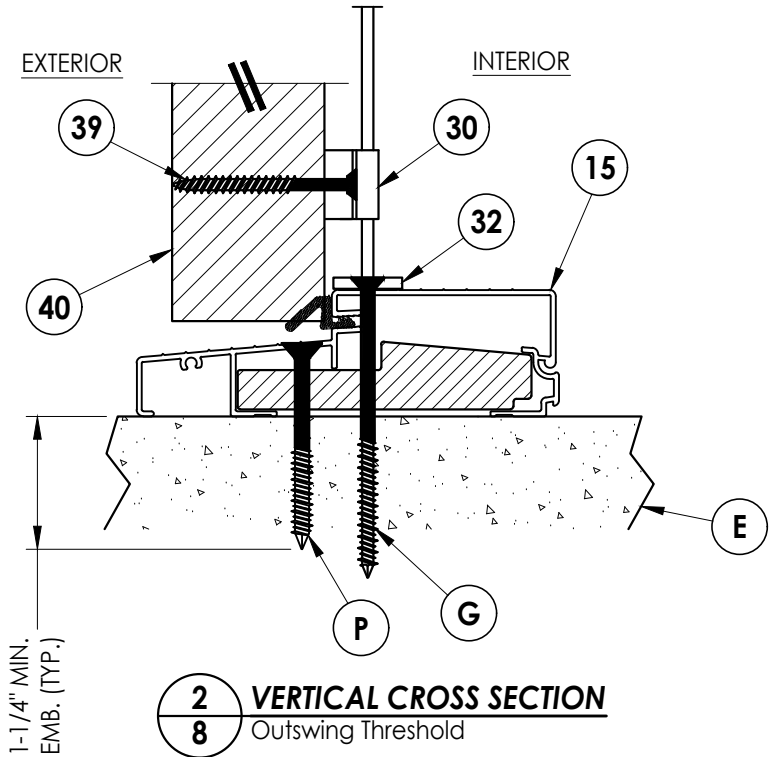
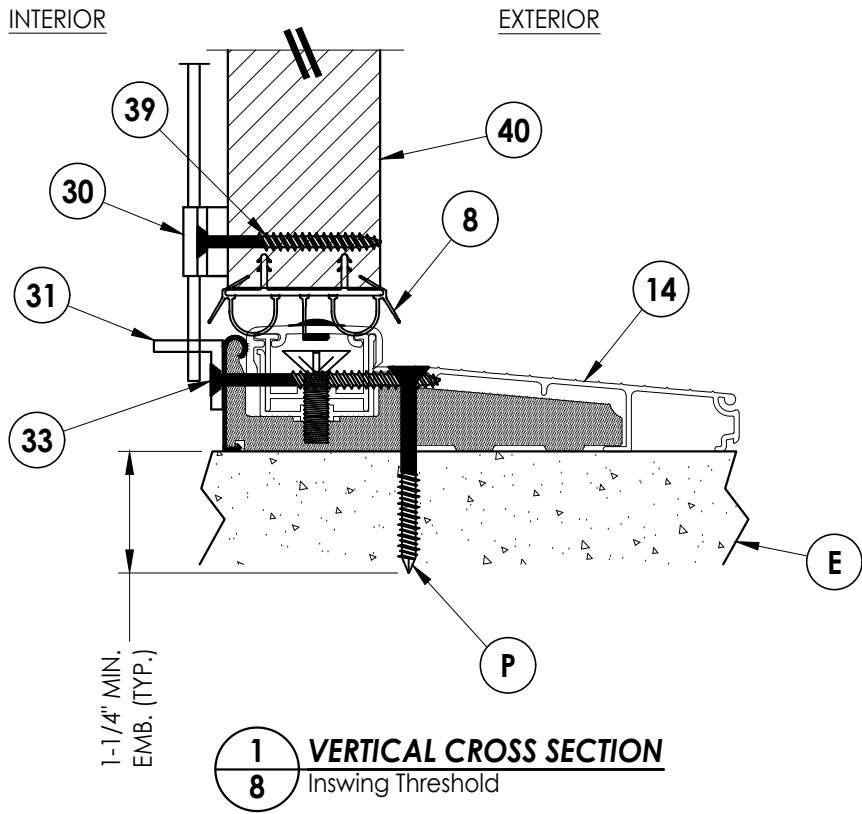
3 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
 Inswing shown

[illegible]

Documents Prepared By:
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P.E. No. 43409

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DATE: 4/20/22

SCALE: N.T.S.

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DRAWING NO.: FL-41479.5

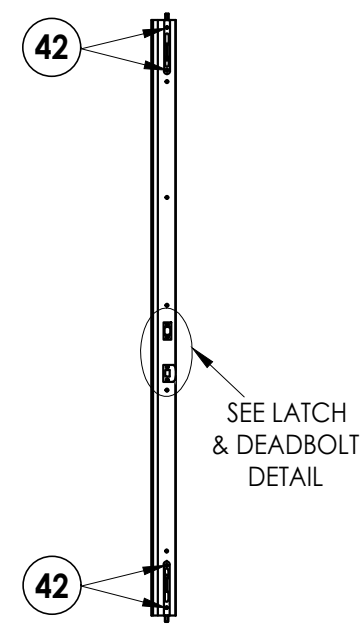
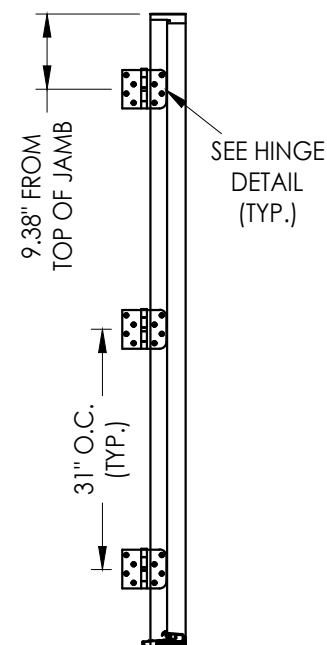
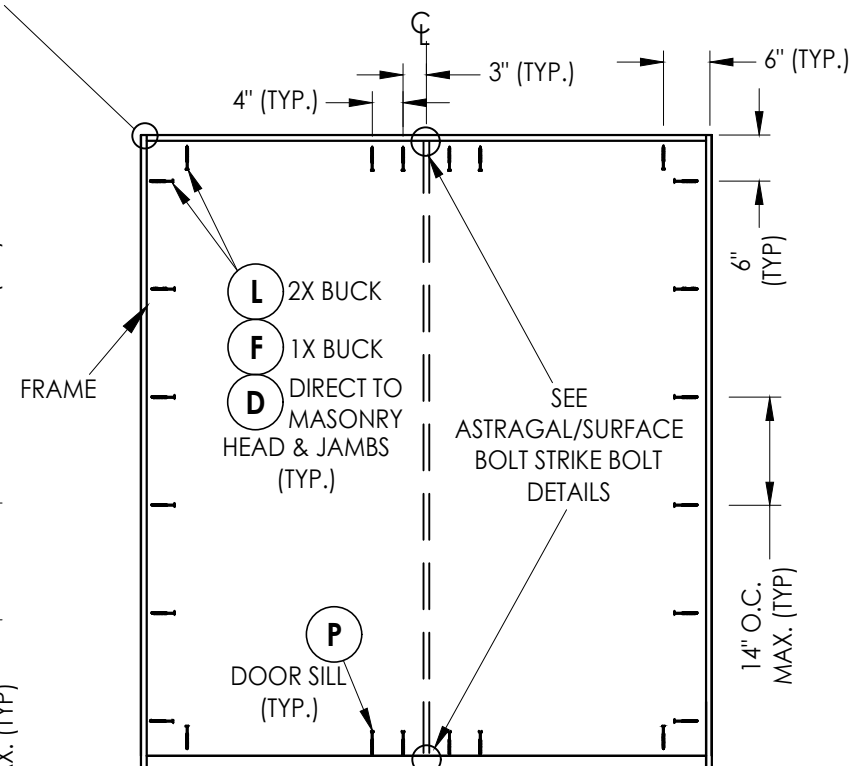
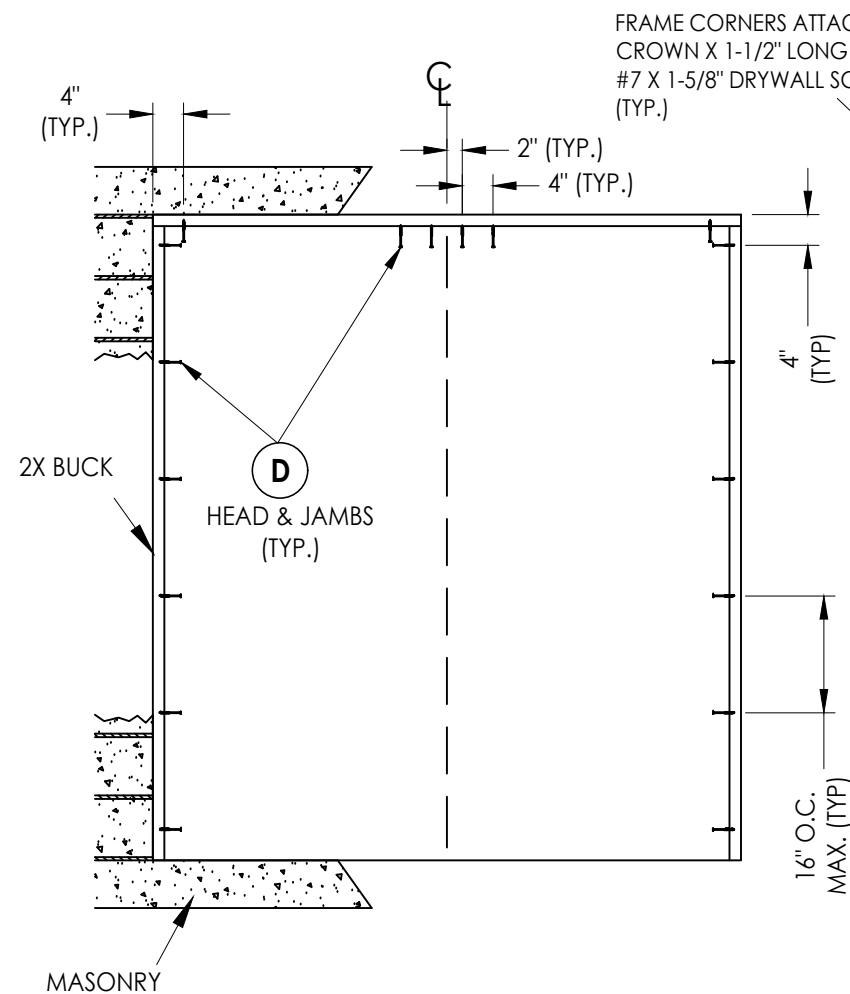
SHEET 8 OF 10

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

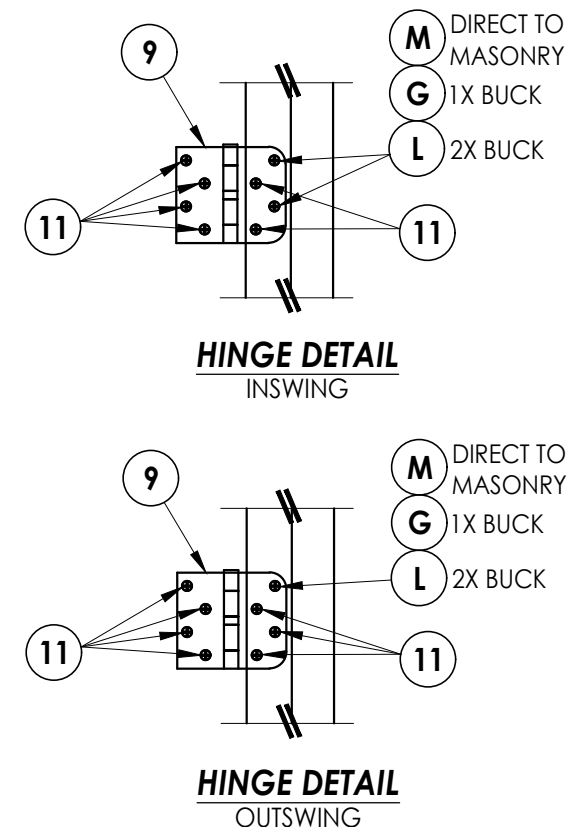
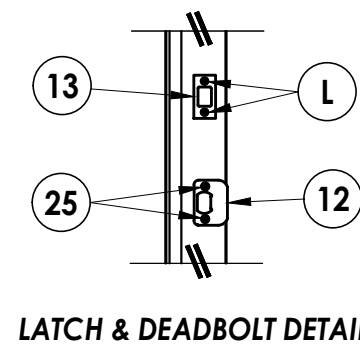
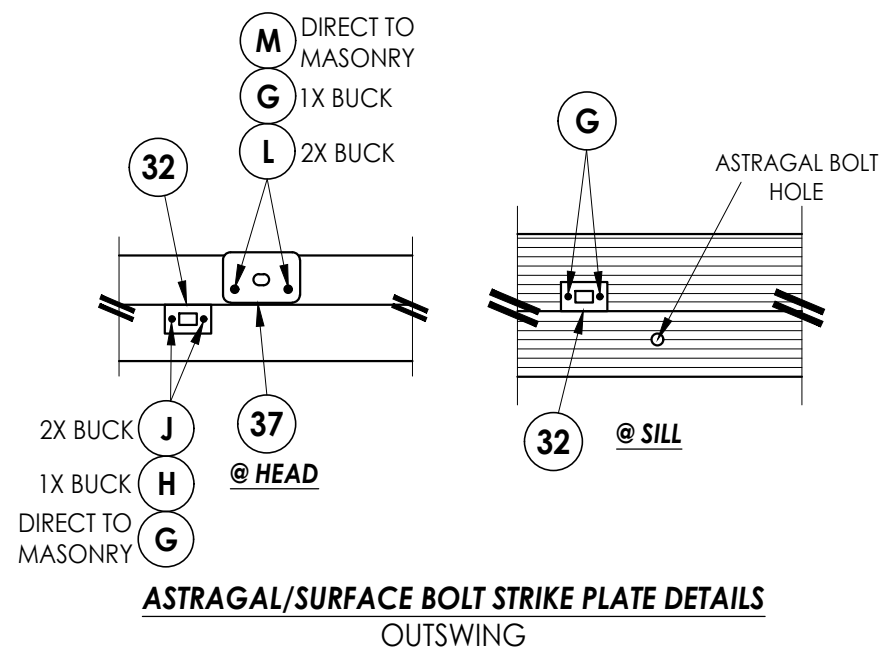
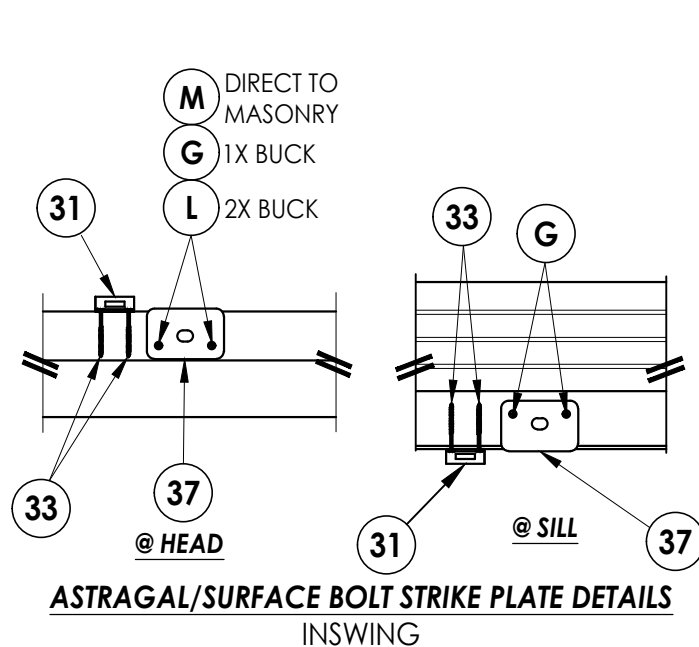
PRODUCT:	STEVES & SONS FIBERGLASS DOOR
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

Documents Prepared By:
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



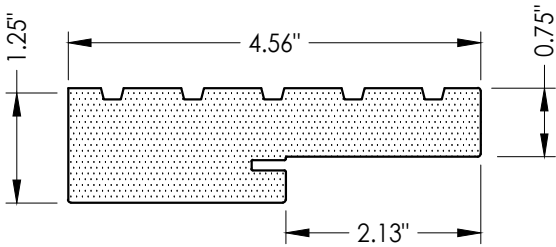
COMPOSITE ASTRAGAL
7" STEEL FLIP LOCK FLUSHBOLT (5/16" Ø)
@ EACH END OF ASTRAGAL

[illegible]

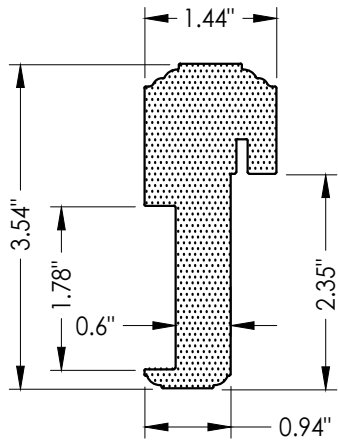
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

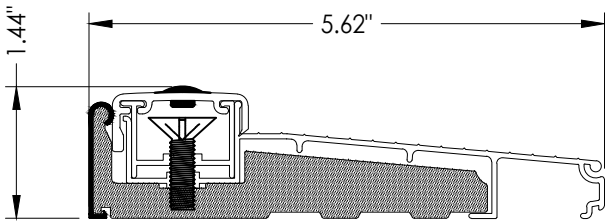
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4"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



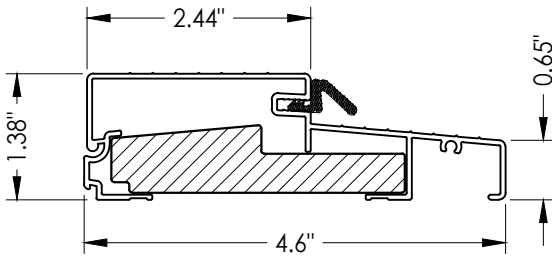
1 COMPOSITE JAMB
WORLDWIDE "4EVER"



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.

[illegible]