



SURE ROCK GLAZED FIBERGLASS ENTRY DOORS INSWING / OUTSWING "NON-IMPACT"

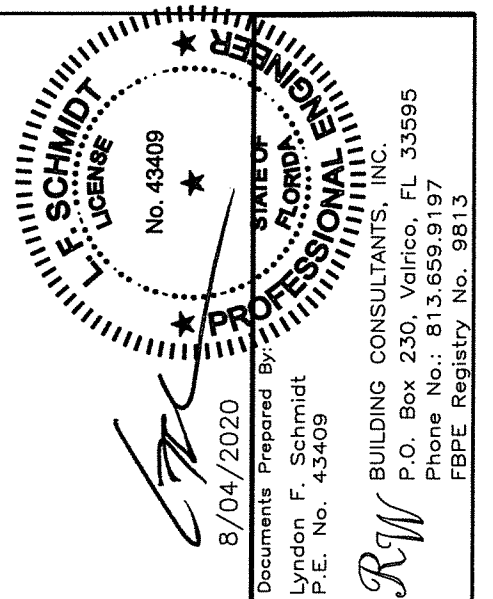
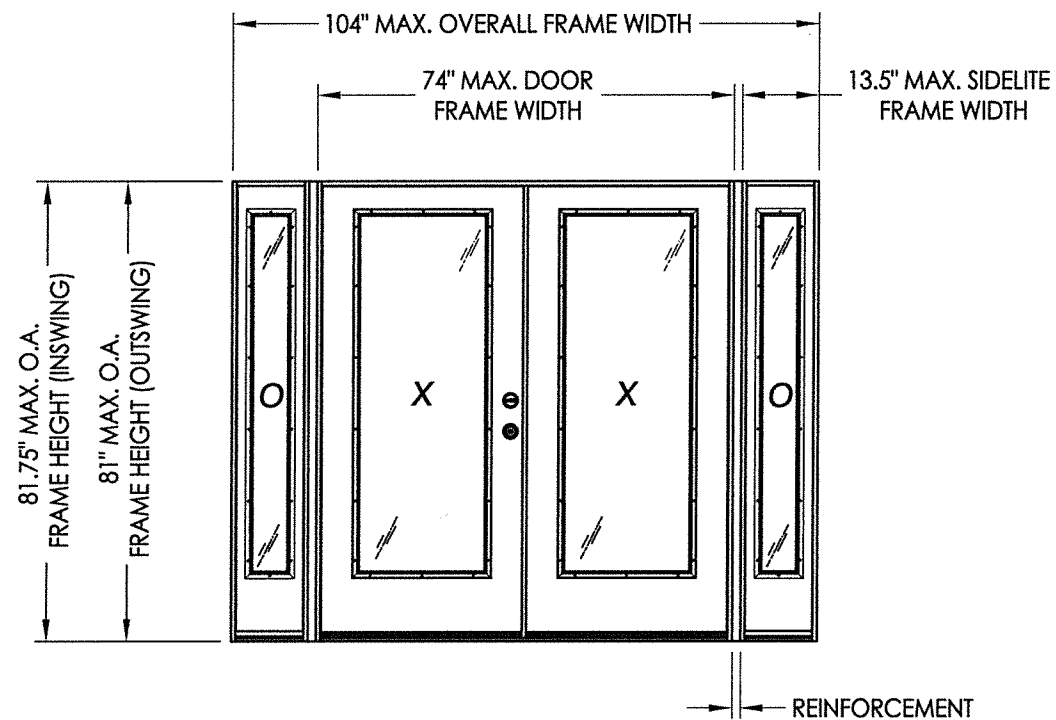
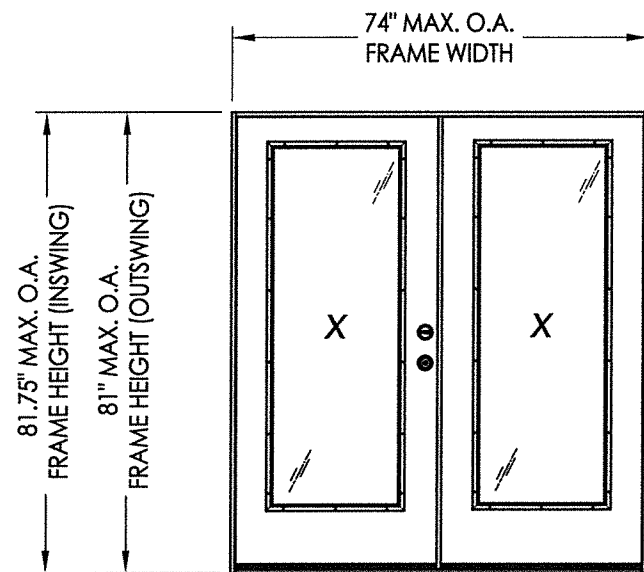
GENERAL NOTES

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.
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.

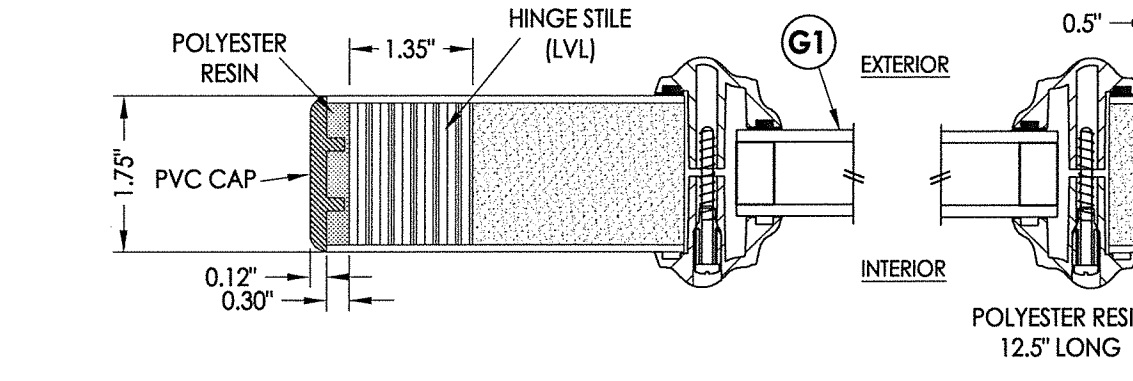
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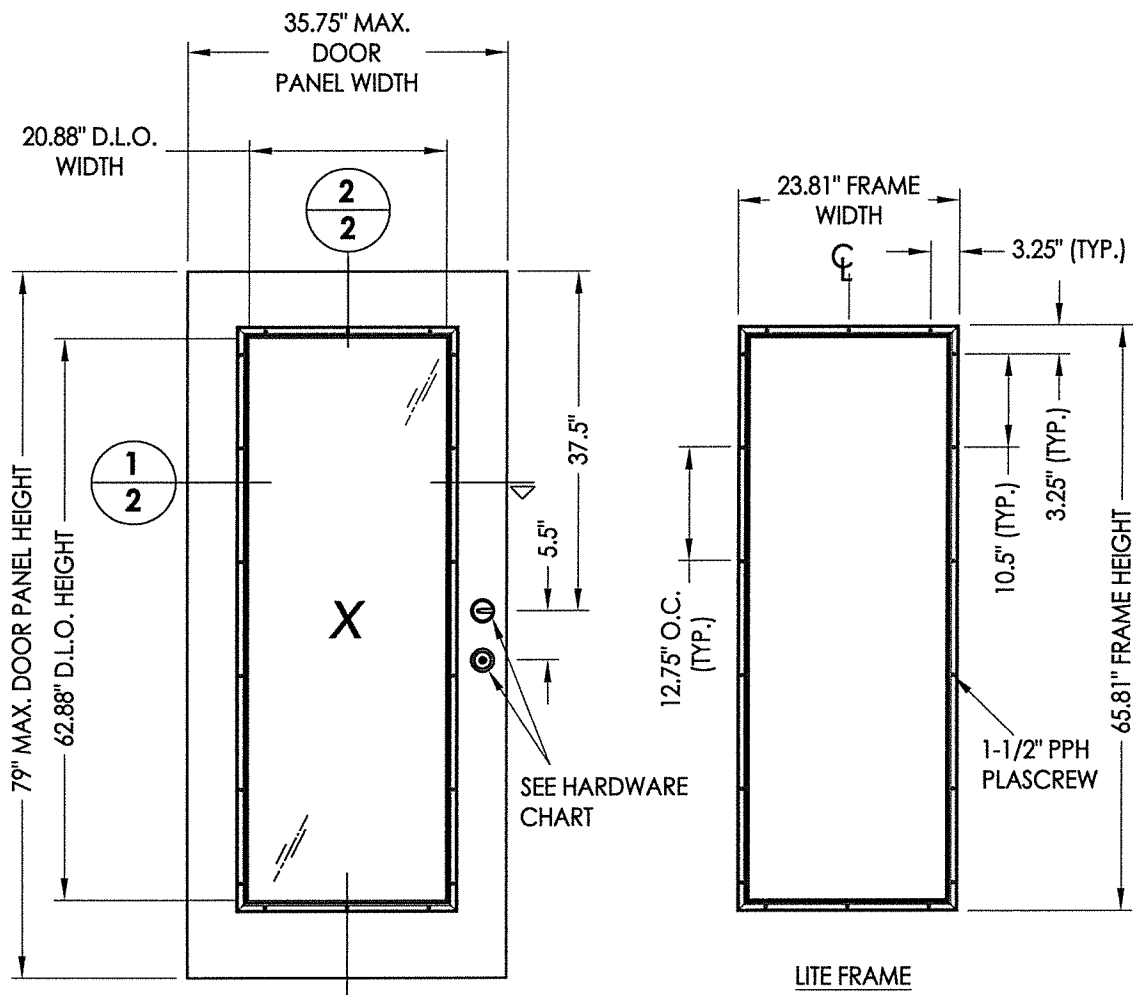
CONFIGURATION	MAX. FRAME DIMENSION	REINFORCEMENT	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 81.75"	N/A	+45.0	-45.0	+45.0	-45.0
OXXO	101.0" x 81.75"	NONE	+40.0	-40.0	+40.0	-40.0
OXXO	102.5" x 81.75"	1X	+45.0	-45.0	+45.0	-45.0
OXXO	104.0" x 81.75"	2X	+45.0	-45.0	+45.0	-45.0



PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
DATE	NO.	BY	REVISIONS
8/04/20	2	LFS	UPDATE TO 7TH ED. (2020) FBC
8/03/17	1	LFS	REVISE ENDURA ULT. ASTRAGAL
5/17/16	1	JK	DATE
DATE: 5/17/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20474.6			
SHEET 1 OF 11			

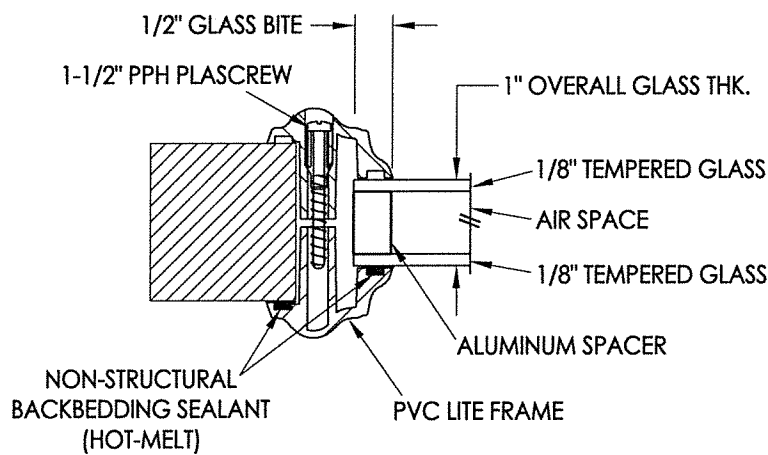


1
2 HORIZONTAL CROSS SECTION

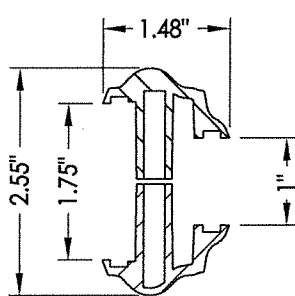


40 DOOR PANEL

FIBERGLASS DOOR SKIN: MIN. 0.080" THK.
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)

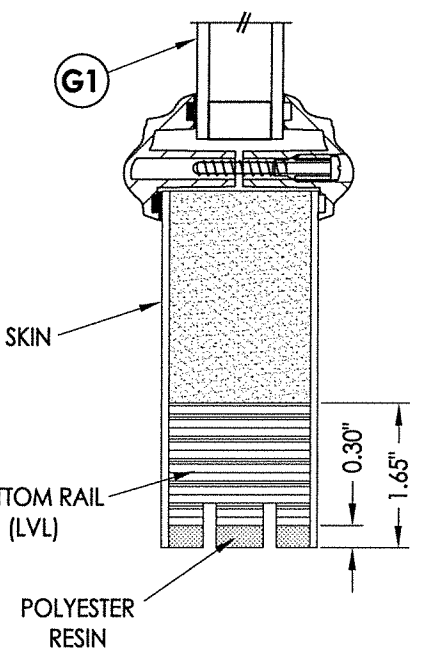
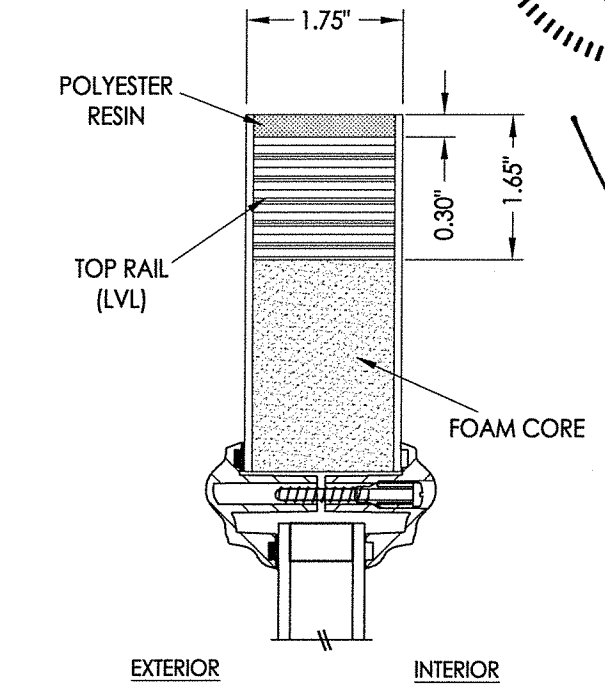


G1 GLAZING DETAIL

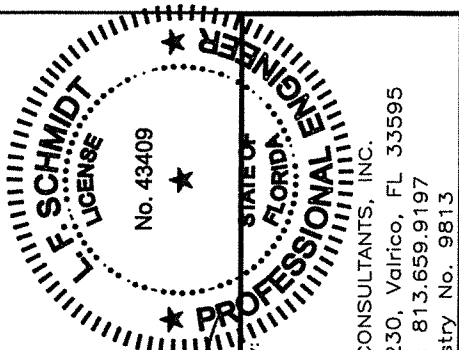


PVC LITE FRAME
HM SURE ROCK

HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: Signature Series
	DEADBOLT: Signature Series (980)
SCHLAGE	KNOB: F Series (F51)
	DEADBOLT: B Series (B60N)



2
2 VERTICAL CROSS SECTION

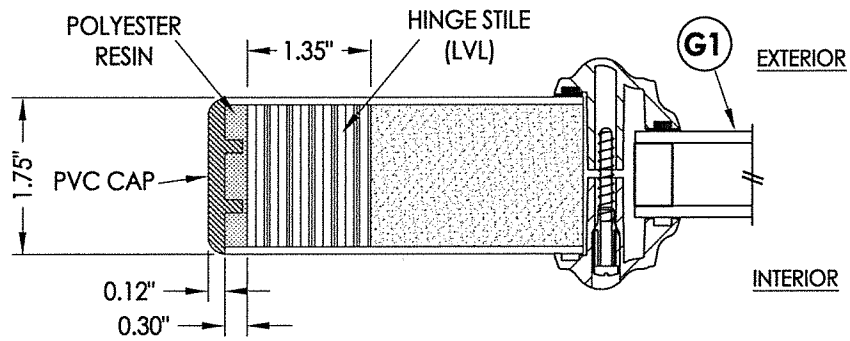


8/04/2020
Documents Prepared By:
Lyndon F. Schmidt
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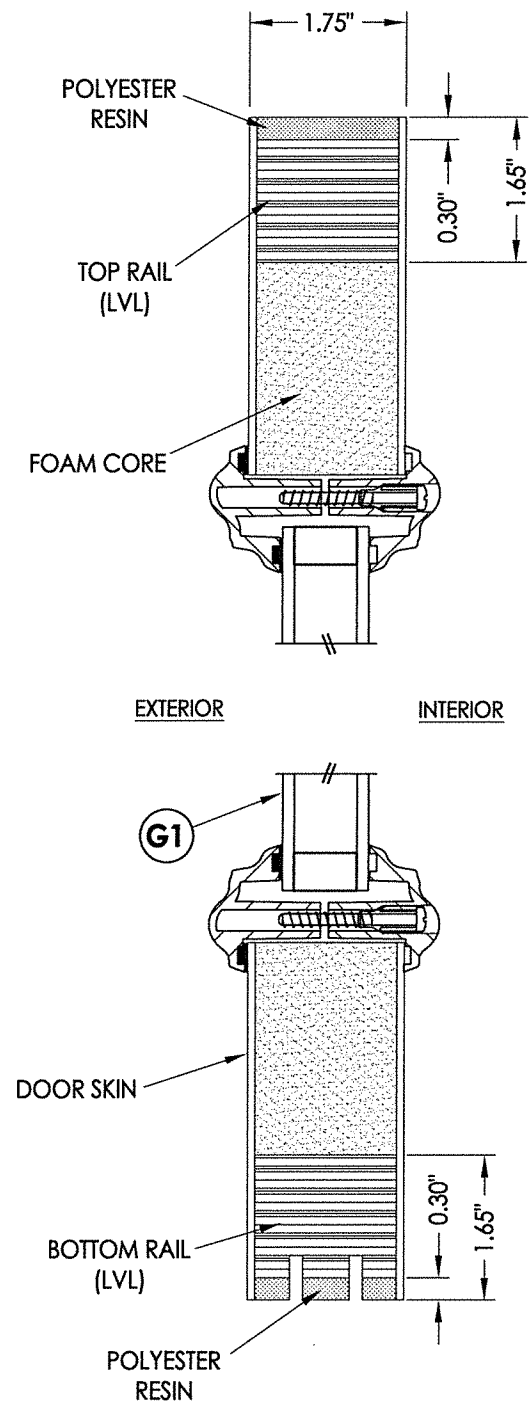
PRODUCT: FIBERGLASS DOORS
PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	REVISIONS
2	8/04/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	8/03/17	& REVISE ENDURA ULT. ASTRAGAL FBC LFS
1	8/03/17	UPDATE TO 6TH ED. (2017) FBC LFS

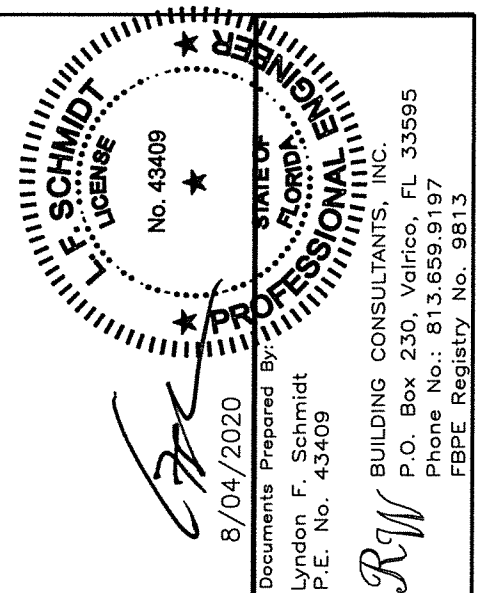
DATE: 5/17/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-20474.6
SHEET 2 OF 11



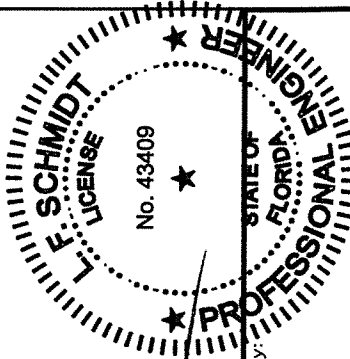
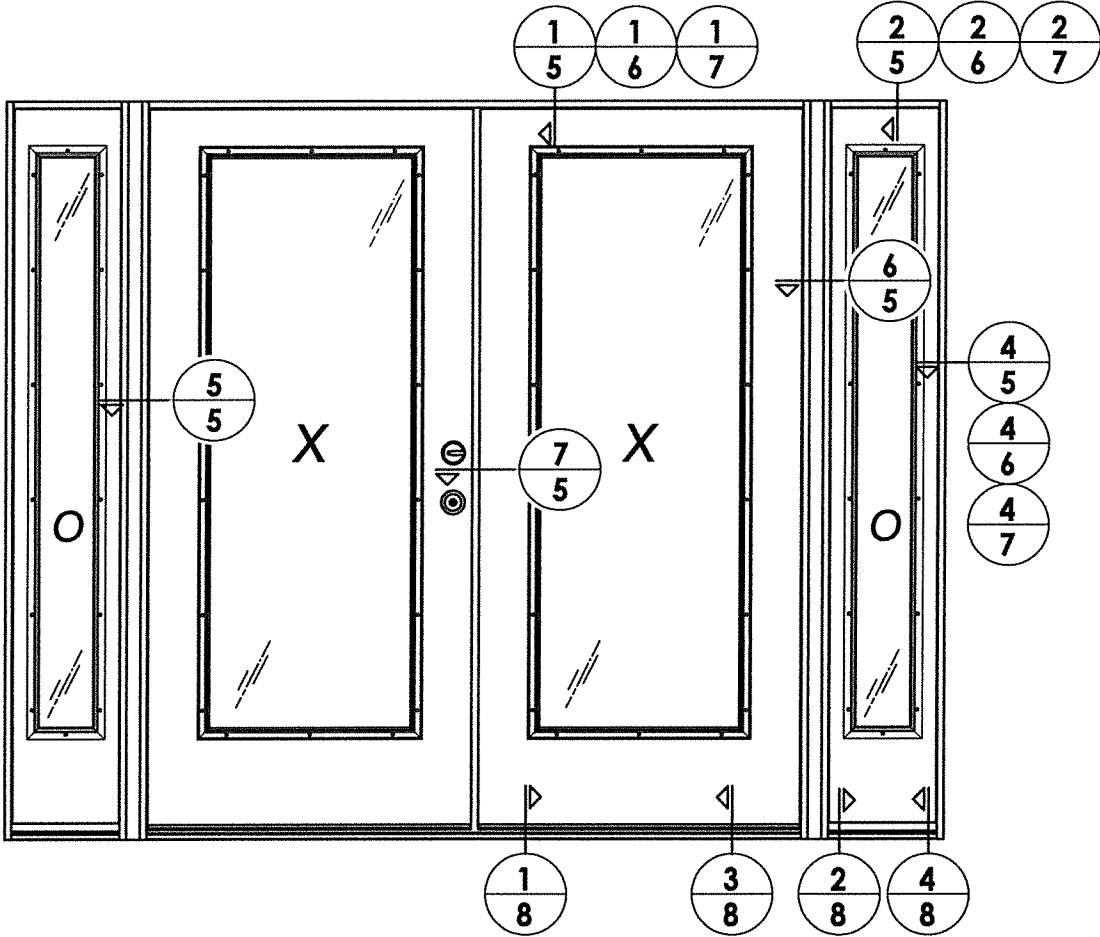
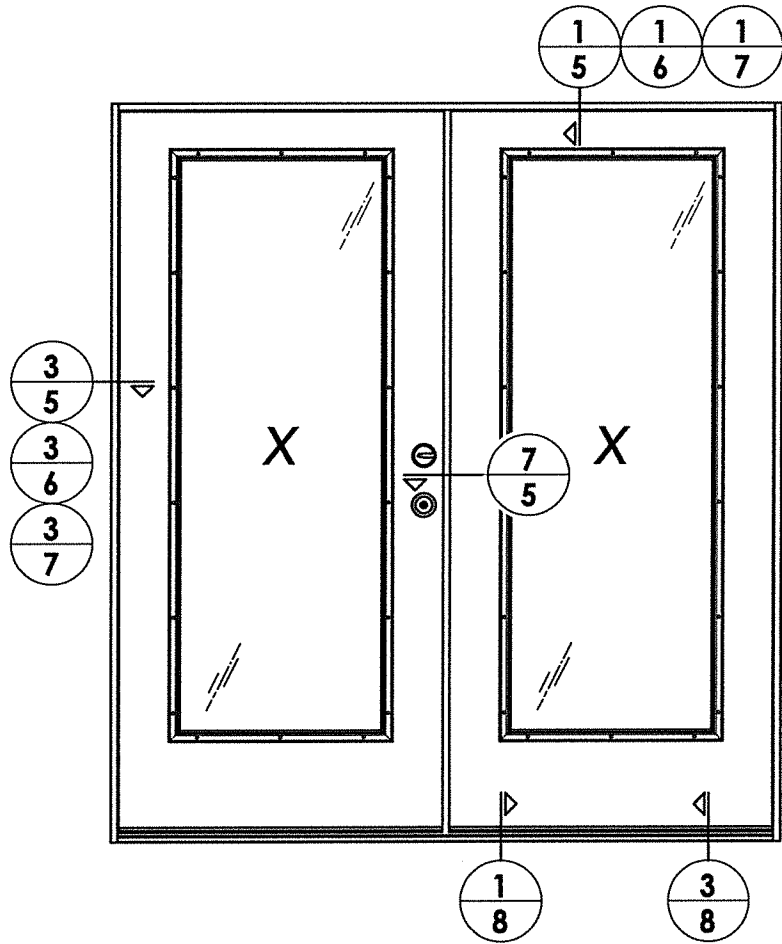
1 **HORIZONTAL CROSS SECTION**
3



2 VERTICAL CROSS SECTION



DATE: 5/17/16						
SCALE: N.T.S.						
DWG. BY: JK						
CHK. BY: LFS						
DRAWING NO.: FL-20474.6						
SHEET	<u>3</u>	OF	<u>11</u>			
2	8/04/20	UPDATE TO 7TH ED. (2020) FBC		LFS		
		& REVISE ENDURA ULT. ASTRAGAL				
1	8/03/17	UPDATE TO 6TH ED. (2017) FBC		LFS		
NO.	DATE			BY		
				REVISIONS		
PART OR ASSEMBLY: SIDELITE PANEL DETAILS						
PRODUCT: SURE ROCK FIBERGLASS DOORS						

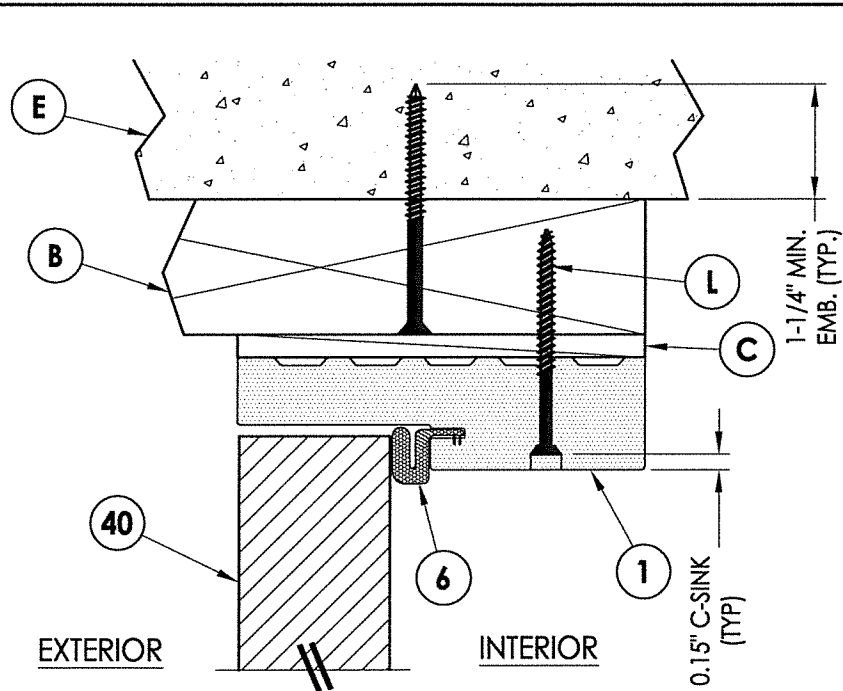


8/04/2020
[Signature]

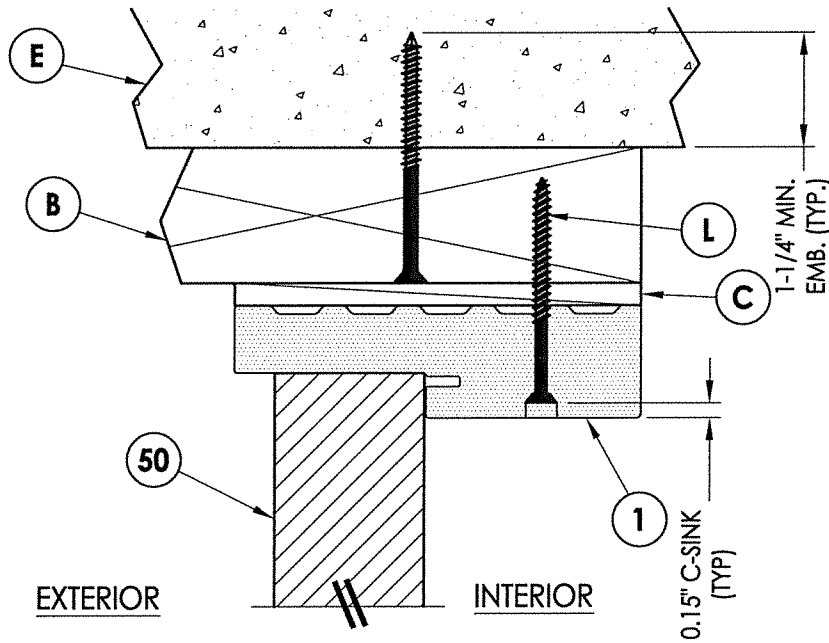
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		ELEVATIONS	
REVISIONS			
NO	DATE	BY	
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1	8/03/17	LFS	& REVISE ENDURA ULT. ASTRAGAL UPDATE TO 6TH ED. (2017) FBC

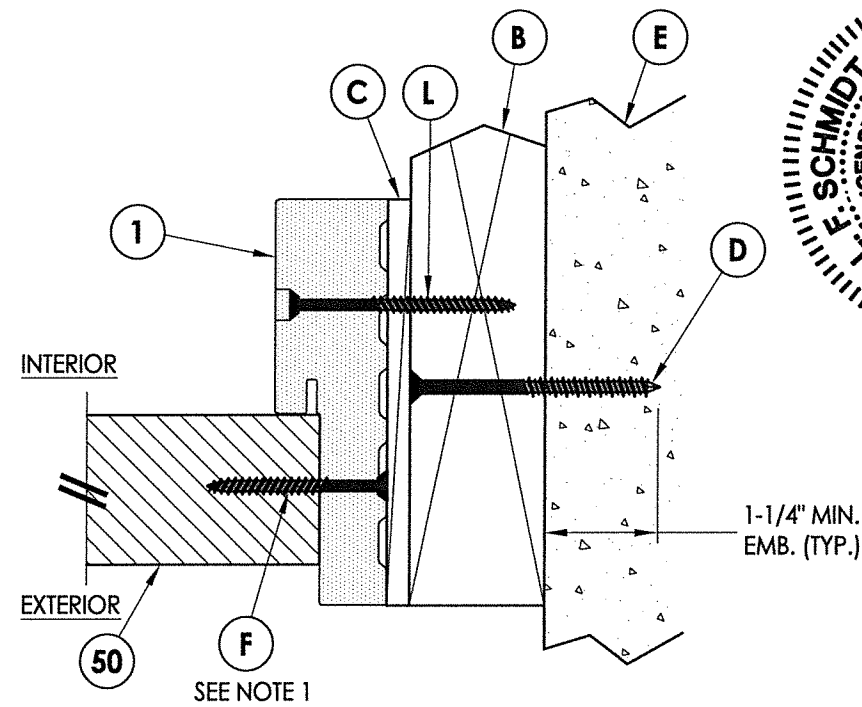
DATE: 5/17/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-20474.6
SHEET 4 OF 11



1 VERTICAL CROSS SECTION
5 Outswing shown (Inswing similar)

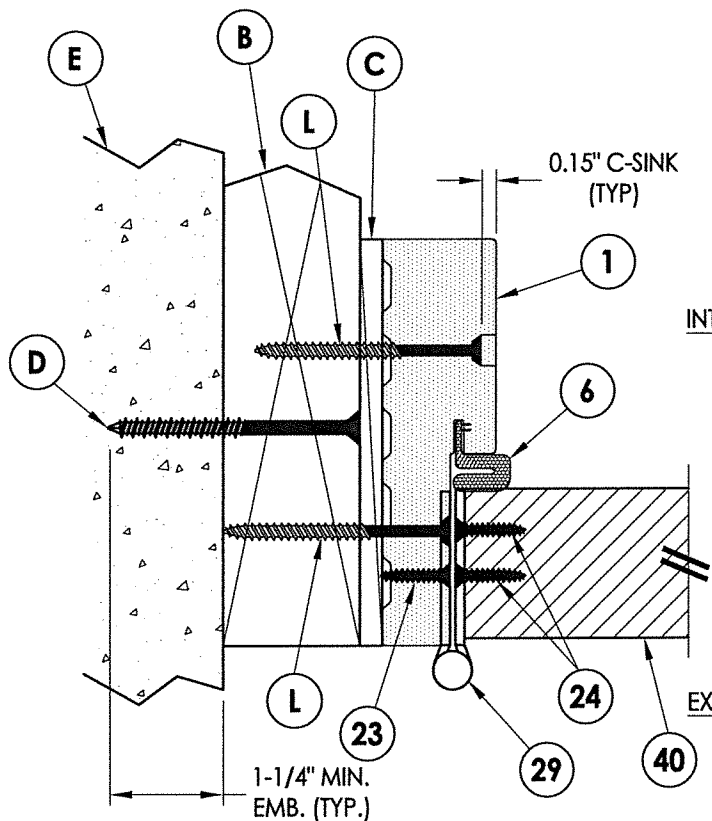


2 VERTICAL CROSS SECTION
5 Outswing shown (Inswing similar)

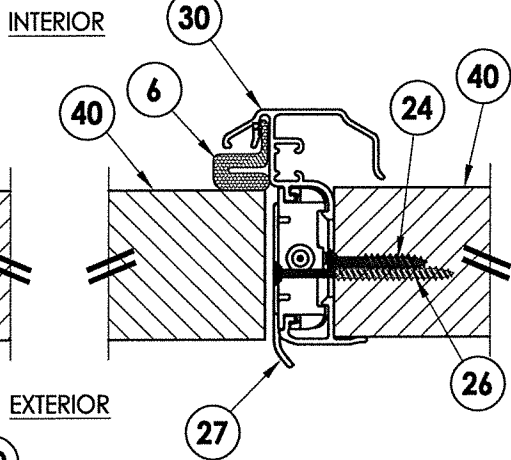


4 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)

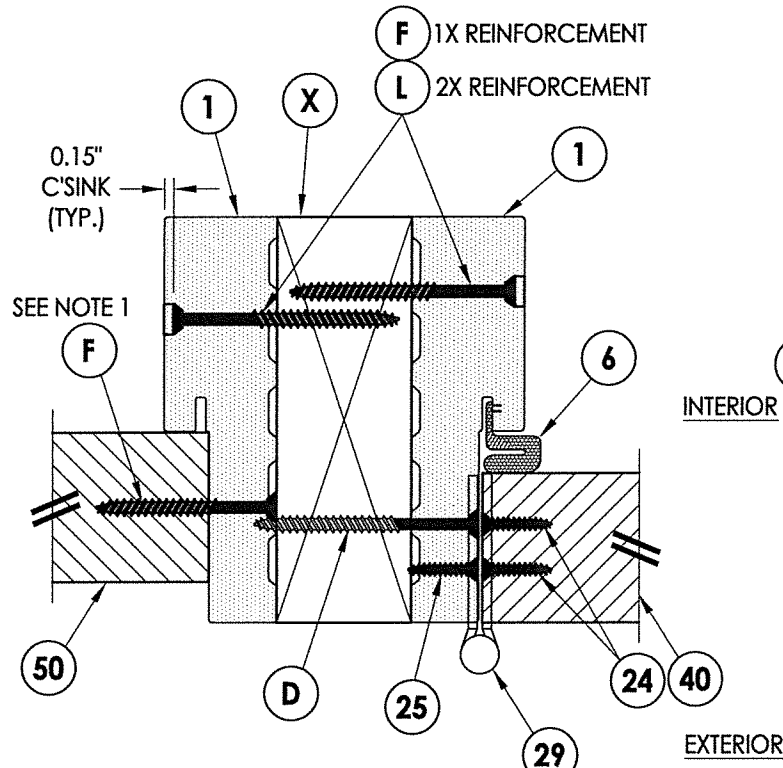
NOTE:
1. Spacing for item F: 6" from ends
and 4 more equally spaced along
sidelite (6 total).



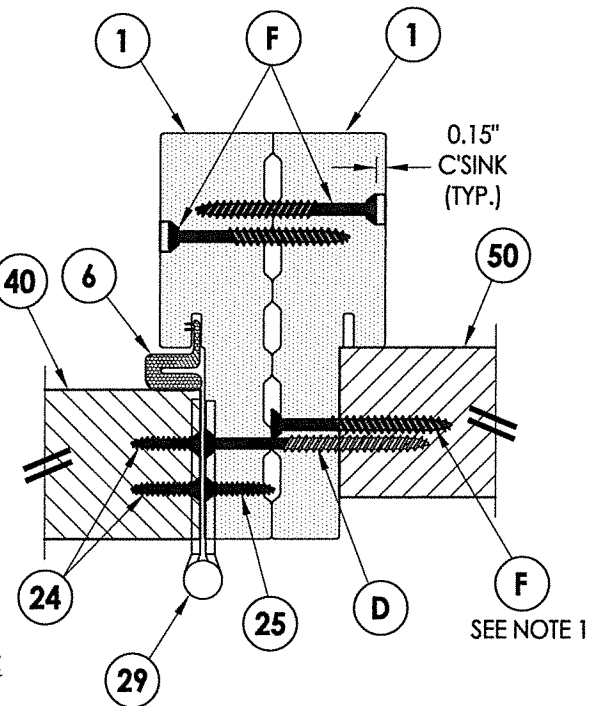
3 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)



7 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)



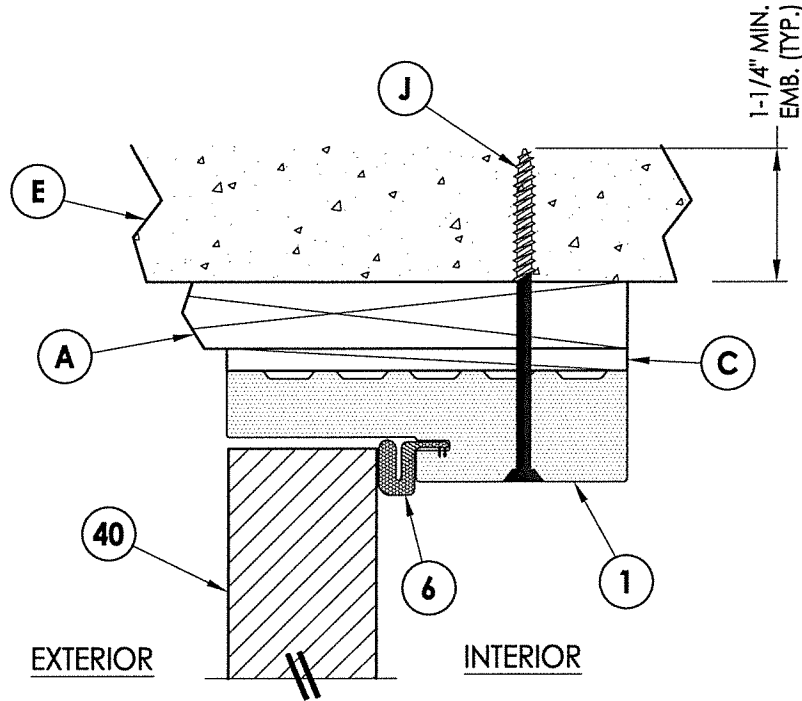
5 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)
Shown w/ 2X Reinforcement
(1X Reinforcement Similar)



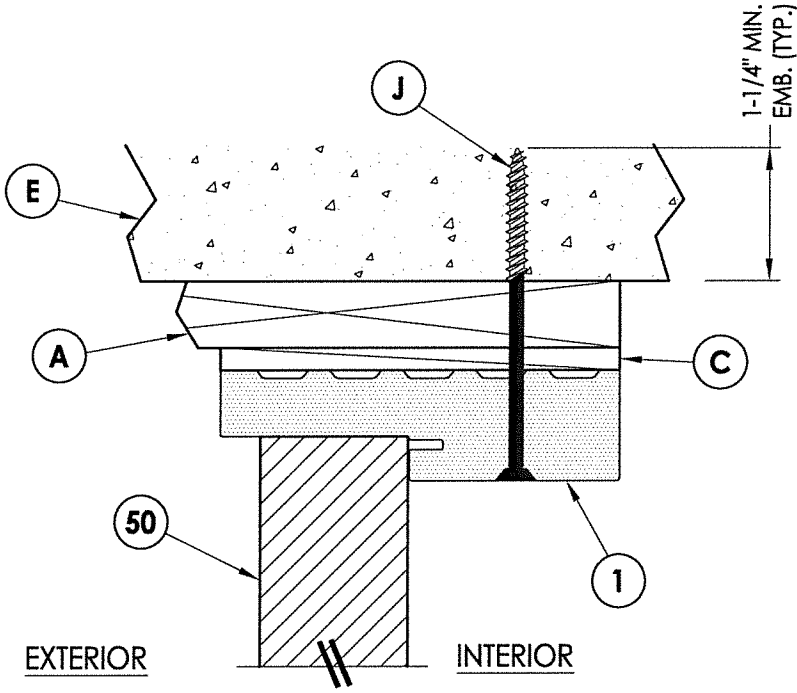
6 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)
Shown w/ No Reinforcement

FLORIDA
REGISTERED PROFESSIONAL ENGINEER
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8/04/2020
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
DATE:	5/17/16	SCALE:	N.T.S.
DWG. BY:	JK	CHK. BY:	LFS
DRAWING NO.:	FL-20474.6	SHEET 5 OF 11	
NO.	DATE	BY	REVISIONS
2	8/04/20	LFS	UPDATE TO 7TH ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL
1	8/03/17	LFS	UPDATE TO 6TH ED. (2017) FBC

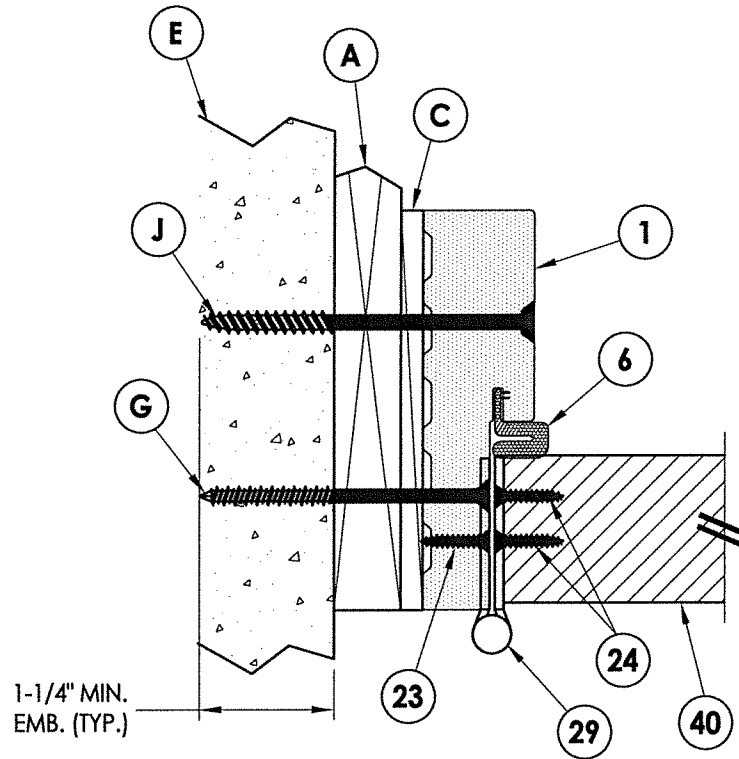


1
6 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)



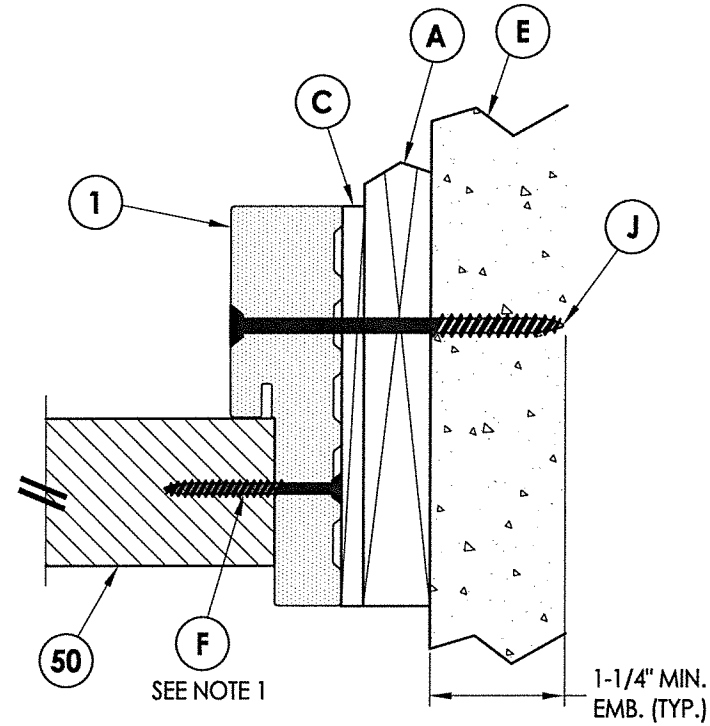
2
6 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)

NOTE:
1. Spacing for item F: 6" from ends
and 4 more equally spaced along
sidelite (6 total).

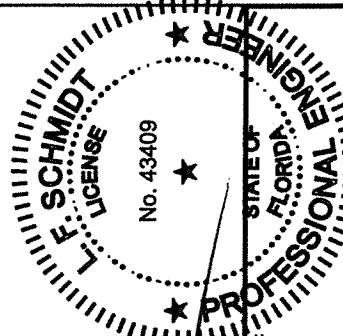


3
6 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

INTERIOR
EXTERIOR

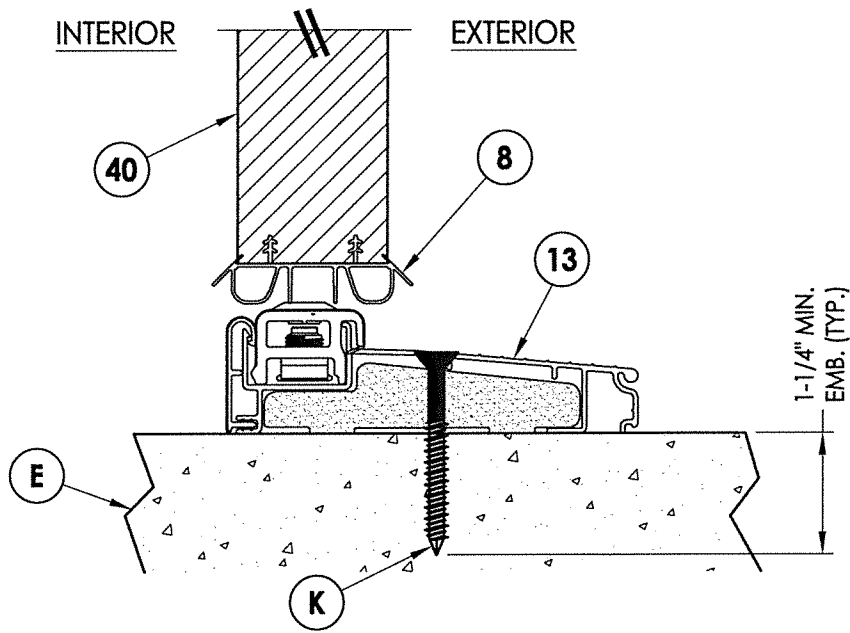


4
6 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

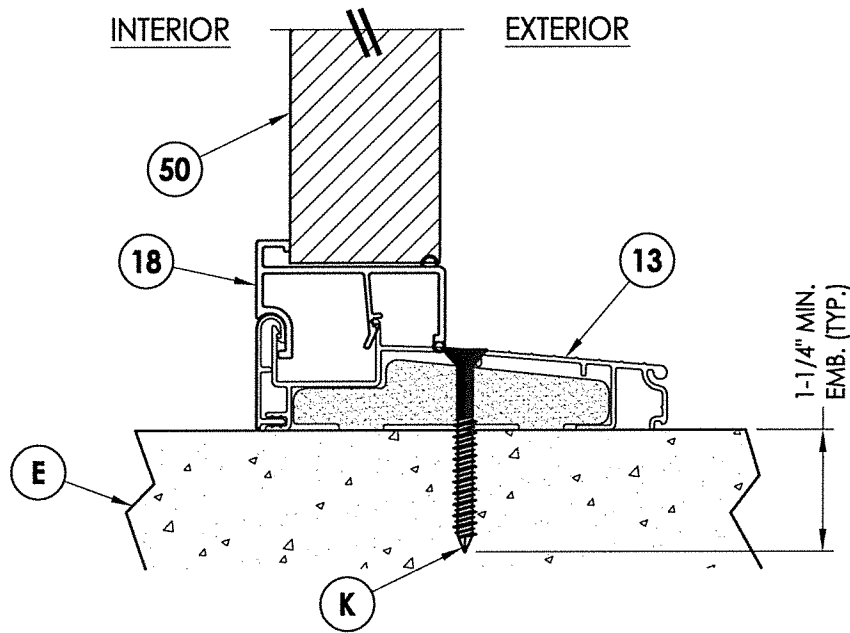
 8/04/2020 Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		PRODUCT: SURE ROCK FIBERGLASS DOORS		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
		DATE: 5/17/16		SCALE: N.T.S.	
2		8/04/20	UPDATE TO 7TH ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL	LFS	BY
1		8/03/17	UPDATE TO 6TH ED. (2017) FBC	LFS	BY
		NO.	DATE		
REVISIONS					
DRAWING NO.: FL-20474.6					
SHEET 6 OF 11					

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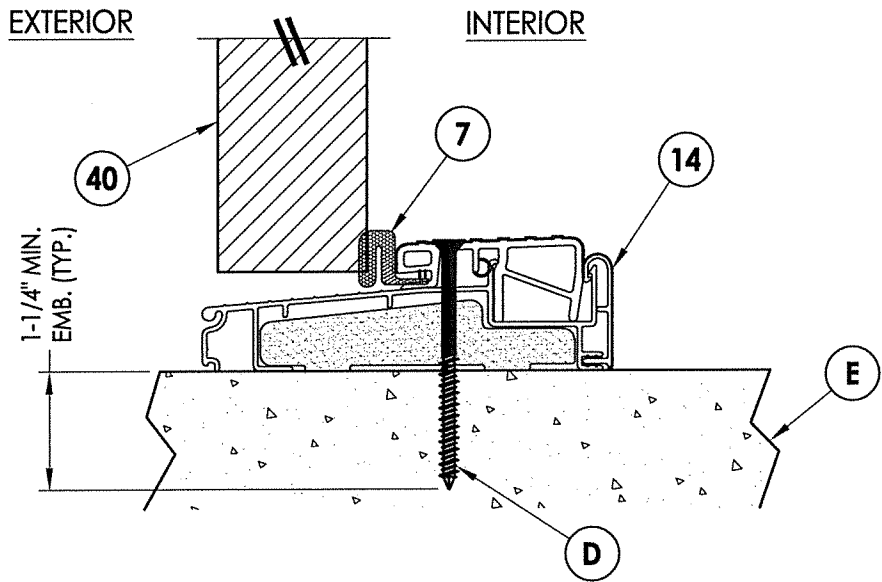
R:\Clients\HM Sure Rock PERMANENTVA - Florida Product Approvals\FL-20474\C - Drawings\FL-20474 (2020)\FL-20474.6.dwg, 8.3



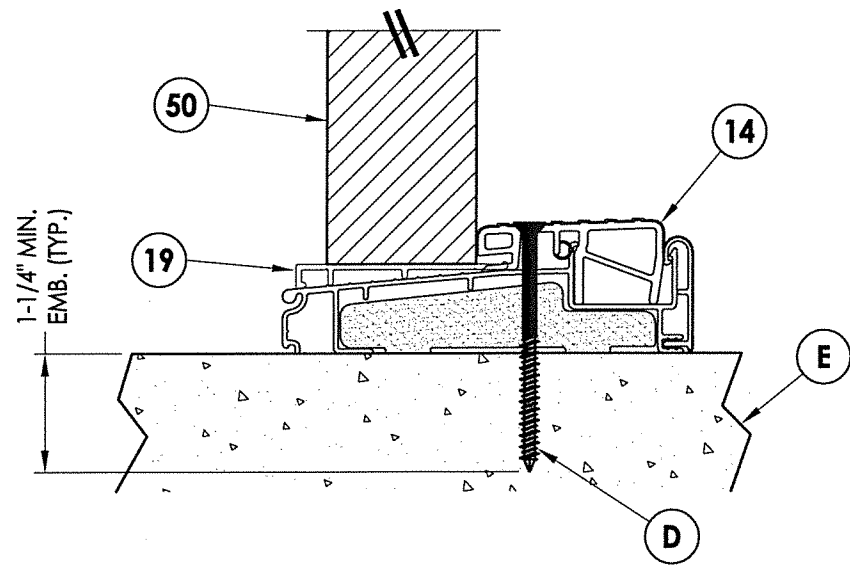
1 VERTICAL CROSS SECTION
8 Inswing Threshold



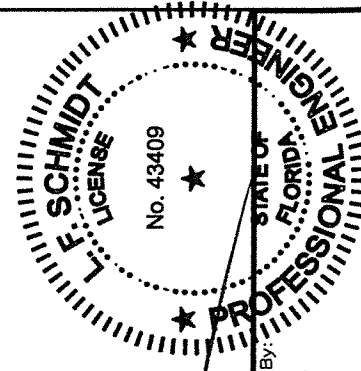
3 VERTICAL CROSS SECTION
8 Inswing Threshold



2 VERTICAL CROSS SECTION
8 Outswing Threshold



4 VERTICAL CROSS SECTION
8 Outswing Threshold

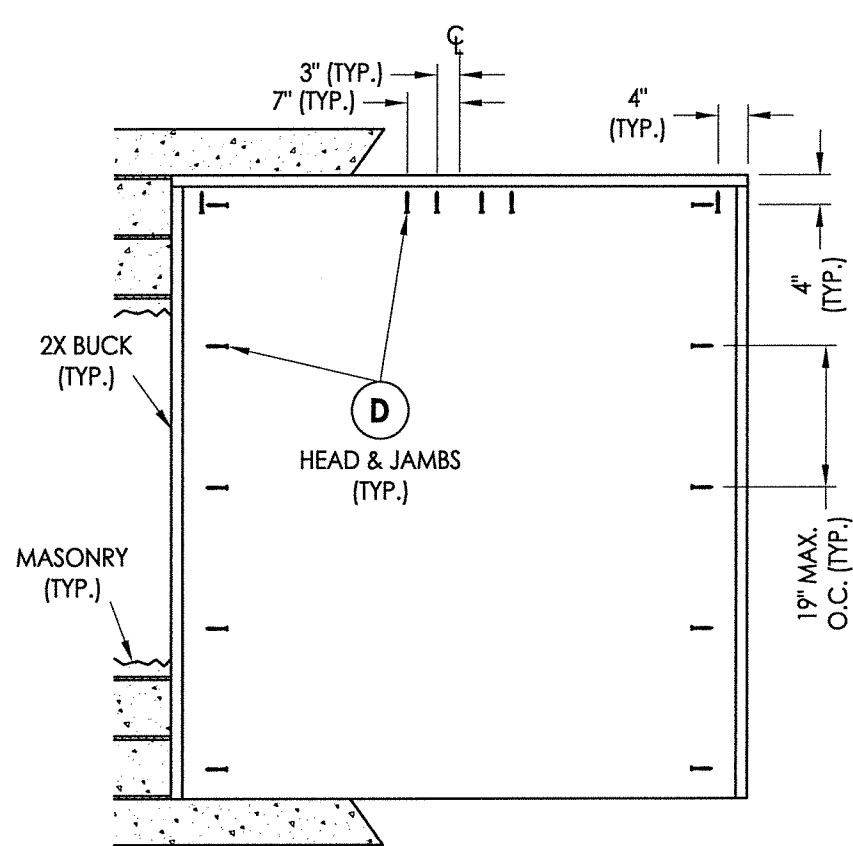


8/04/2020
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Phone No.: 813.659.9197
FBPE Registry No. 9813

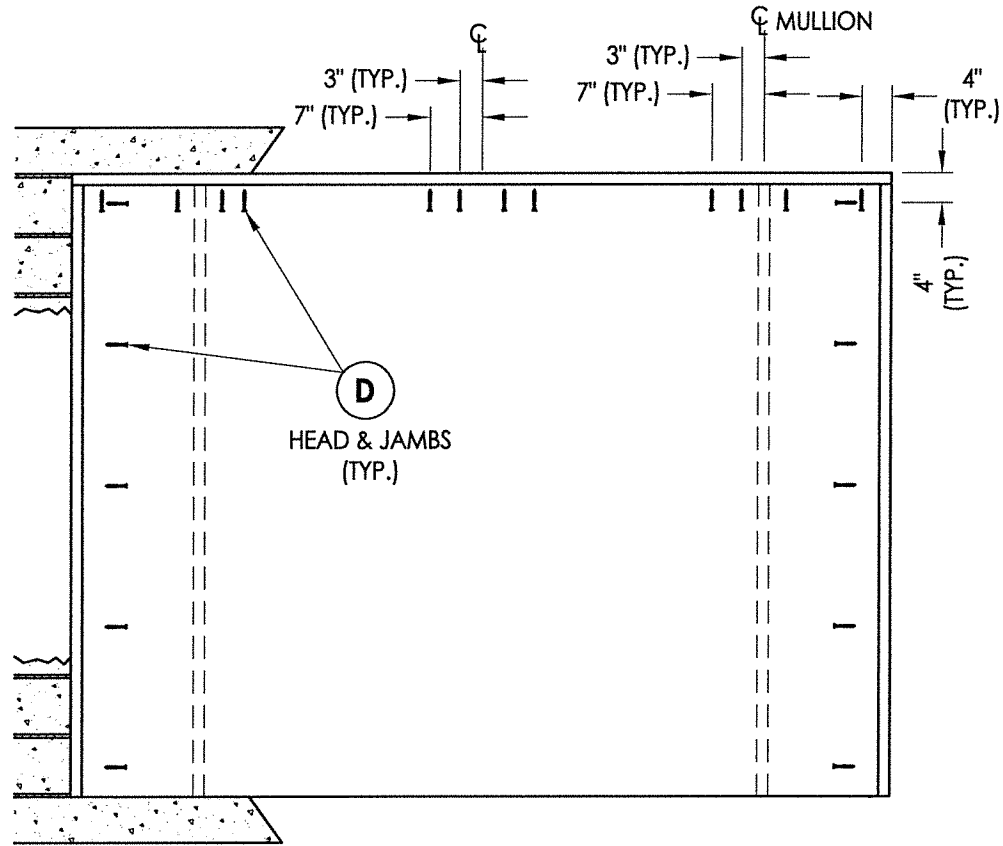
PRODUCT: SURE ROCK FIBERGLASS DOORS
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS
2	8/04/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	8/03/17	& REVISE ENDURA ULT. ASTRAGAL UPDATE TO 6TH ED. (2017) FBC LFS

DATE: 5/17/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-20474.6
SHEET 8 OF 11



XX



OXXO

2X BUCK ANCHORING

CONCRETE ANCHOR NOTES:

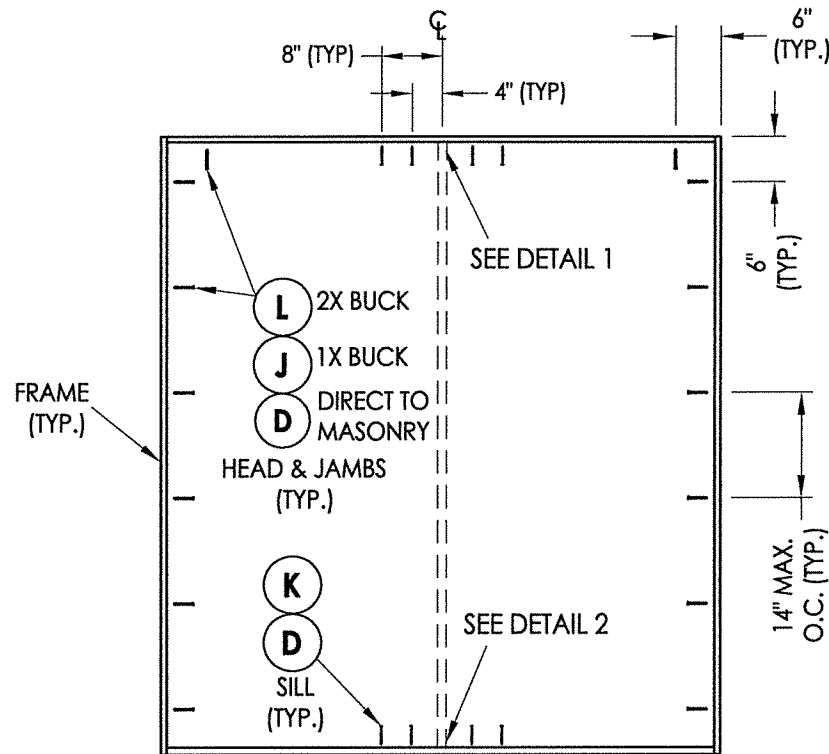
- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON 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 TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

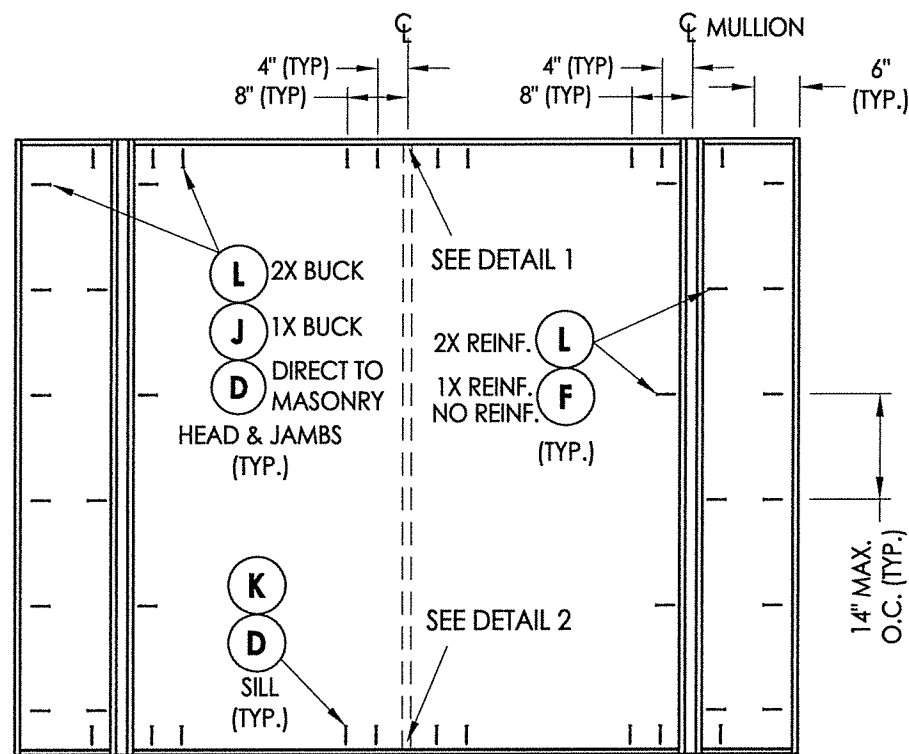
WOOD SCREW INSTALLATION NOTES:

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

		8/04/2020	
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: SURE ROCK FIBERGLASS DOORS		PART OR ASSEMBLY: BUCK ANCHORING	
DATE: 5/17/16		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-20474.6		SHEET 9 OF 11	
2 8/04/20 UPDATE TO 7TH ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL		1 8/03/17 UPDATE TO 6TH ED. (2017) FBC	
NO. DATE		BY	
REVISIONS			



XX



OXXO

FRAME ANCHORING

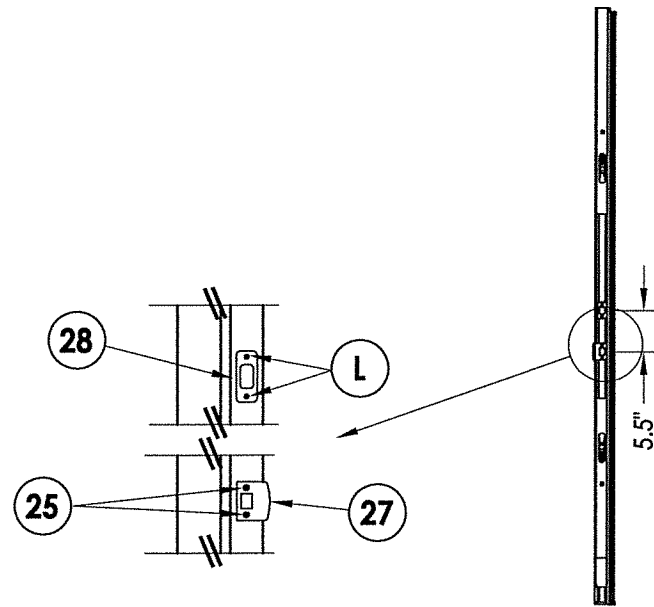
CONCRETE ANCHOR NOTES:

- 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 TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

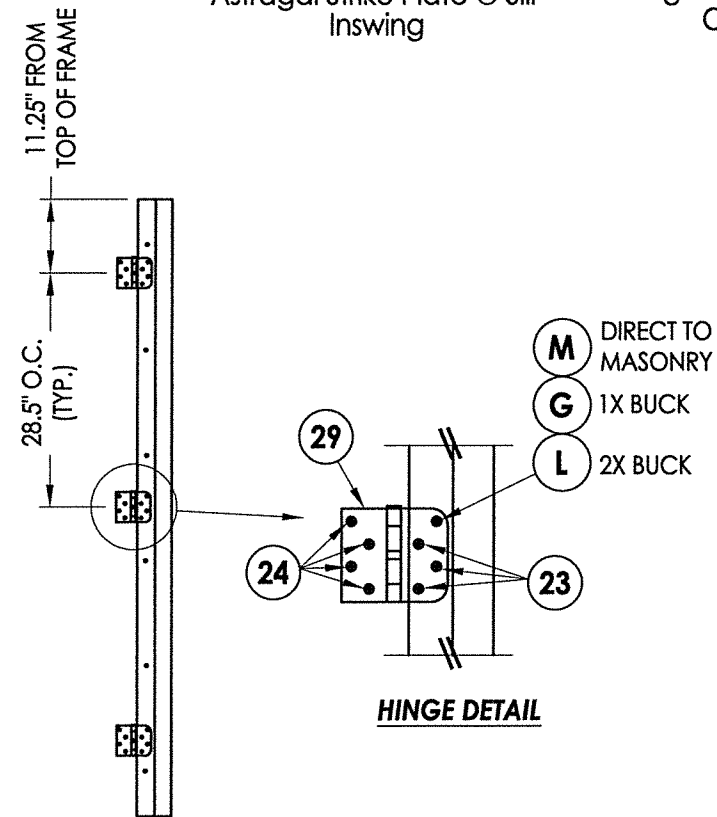
WOOD SCREW INSTALLATION NOTES:

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

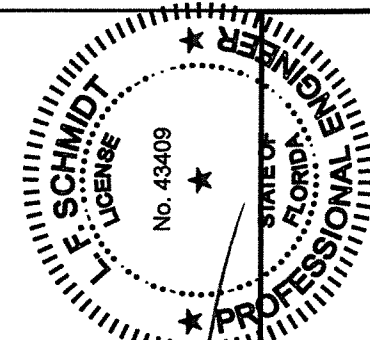
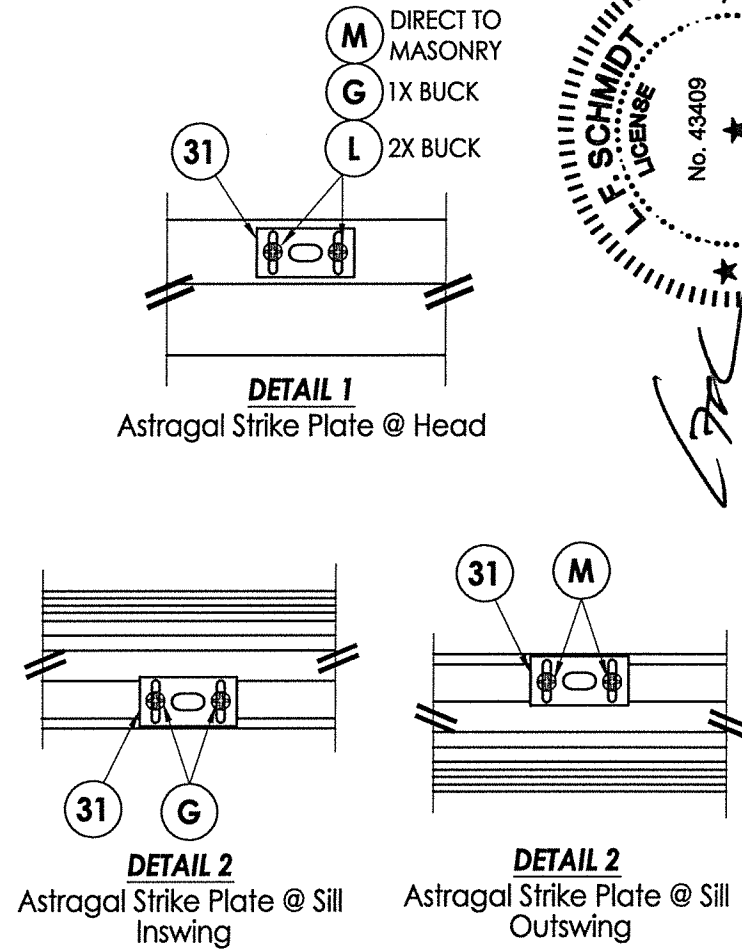


LATCH AND DEADBOLT STRIKE PLATE DETAILS

ASTRAGAL JAMB



HINGE JAMB



8/04/2020

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

PRODUCT:
SURE ROCK
FIBERGLASS DOORS

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
2	8/04/20	UPDATE TO 7TH ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL
1	8/03/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 5/17/16

SCALE: N.T.S.

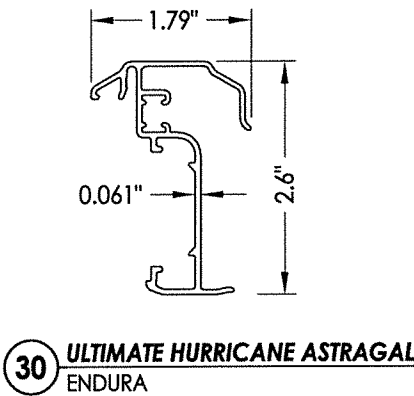
DWG. BY: JK

CHK. BY: LFS

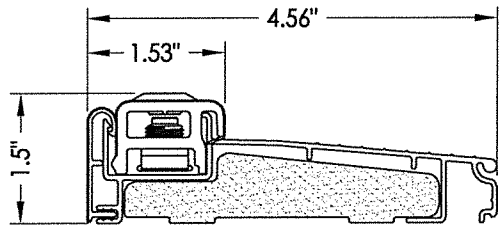
DRAWING NO.: FL-20474.6

SHEET 10 OF 11

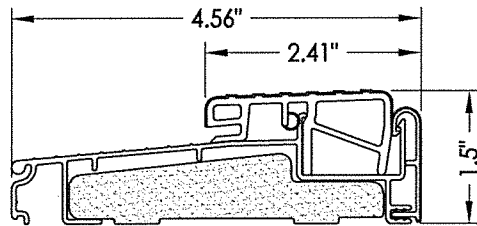
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PFH WOOD SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
X	1X OR 2X REINFORCEMENT (SG >= 0.55)	WOOD
1	FRAME (SURE JAMB)	COMP
6	WEATHERSTRIP (Q-LON)	FOAM
8	SWEEP	VINYL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
18	INSWING SIDELITE SPACER	PVC
19	OUTSWING SIDELITE SPACER	PVC
23	#10 x 3/4" PFH WOOD SCREW	STEEL
24	#10 x 1" PFH WOOD SCREW	STEEL
25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
30	ENDURA ULTIMATE HURRICANE ASTRAGAL	ALUM
31	ASTRAGAL SHOOTBOLT STRIKE PLATE	STEEL
40	DOOR PANEL	-



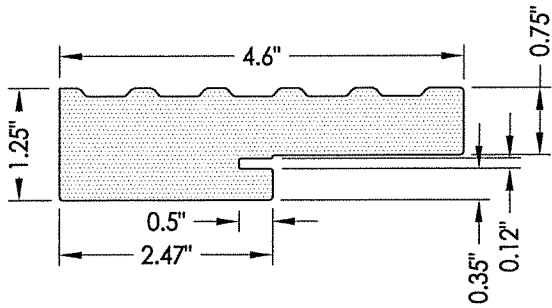
30 **ULTIMATE HURRICANE ASTRAGAL**
ENDURA



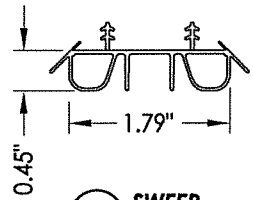
13 **INSWING THRESHOLD**
ENDURA (Z-SERIES)



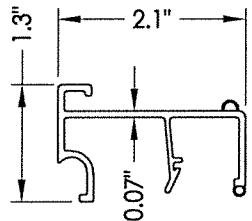
14 **OUTSWING THRESHOLD**
ENDURA (Z-SERIES)



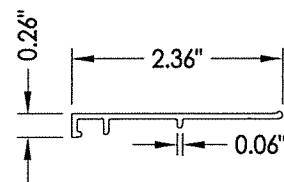
1 **FRAME**
SURE JAMB



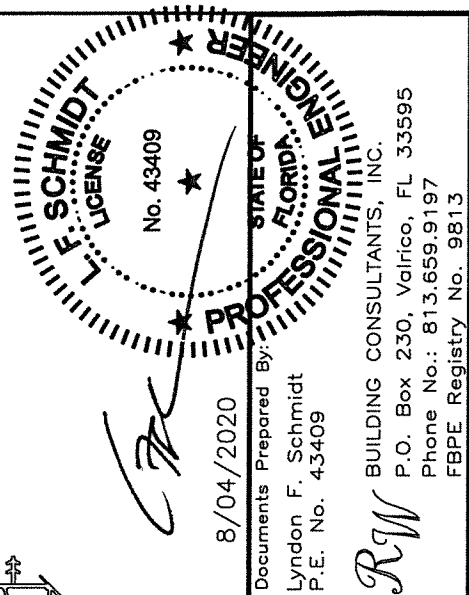
8 **SWEEP**



18 **INSWING SIDELITE SPACER**



19 **OUTSWING SIDELITE SPACER**



PRODUCT:		SURE ROCK FIBERGLASS DOORS			
PART OR ASSEMBLY:		BILL OF MATERIALS & COMPONENTS			
				LFS	