

R:\Clients\HM Sure Rock PERMANENT\A - Florida Product Approvals\FL-20474\A - Drawings\FL-20474 (2020)\FL-20474.1-3.dwg, FL-20474.2



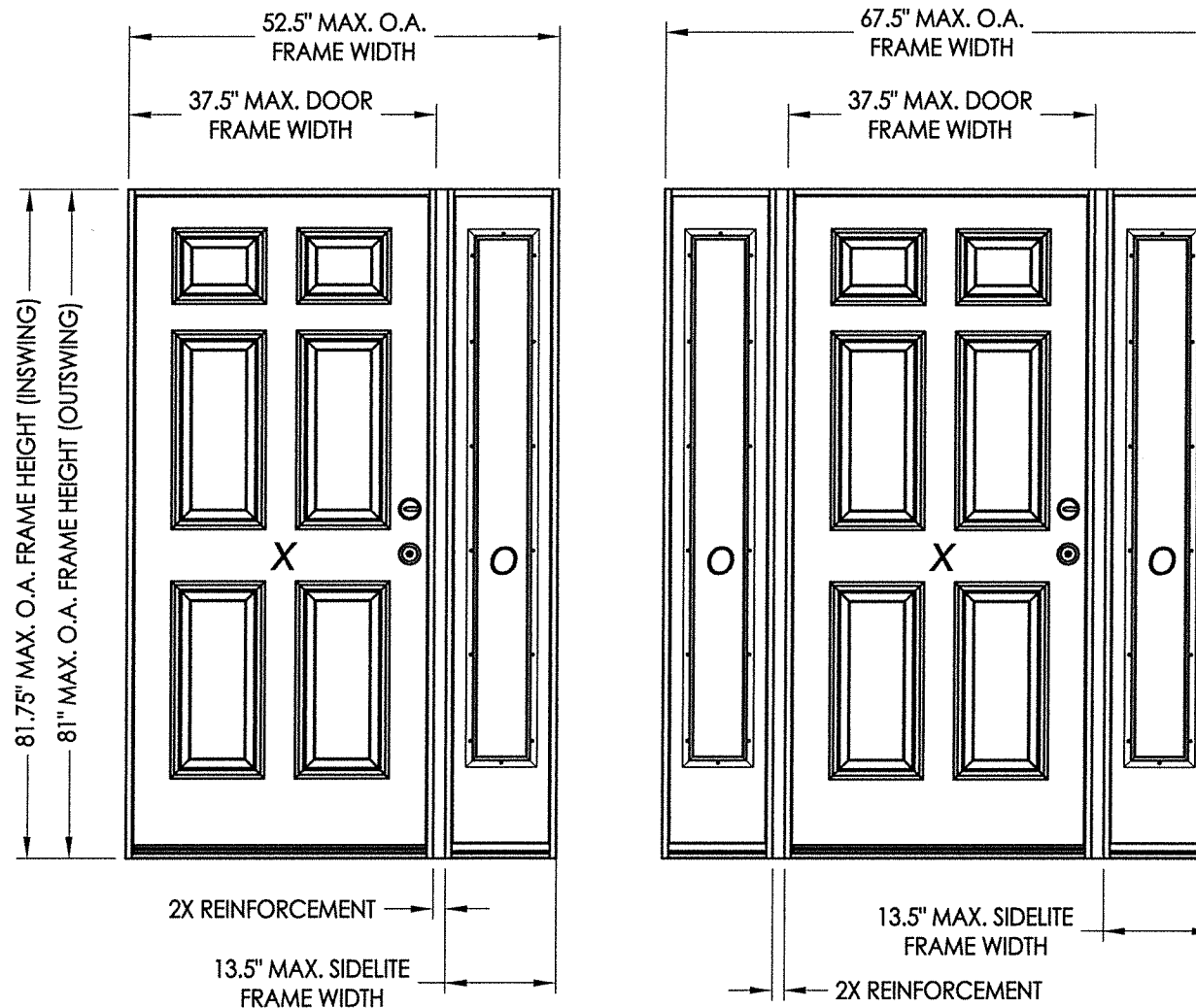
SURE ROCK OPAQUE FIBERGLASS ENTRY DOORS INSWING / OUTSWING "NON-IMPACT"

GENERAL NOTES

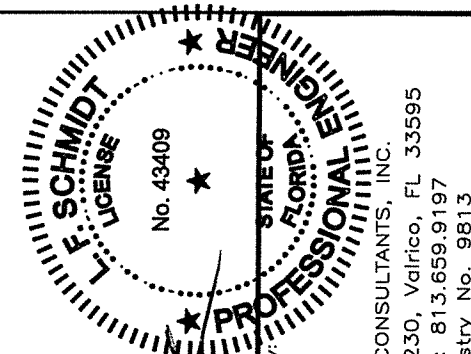
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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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10	Frame Anchoring
11	Bill of Materials & Components



CONFIGURATION	MAX. FRAME DIMENSION	REINFORCEMENT	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO/OX	52.5" x 81.75"	2X	+45.0	-55.0	+45.0	-45.0
OXO	67.5" x 81.75"	2X	+45.0	-55.0	+45.0	-45.0



8/04/2020

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: SURE ROCK FIBERGLASS DOORS
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

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

DATE: 5/17/16

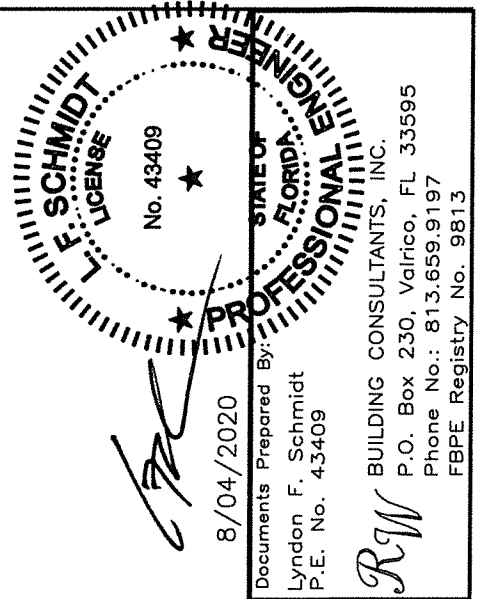
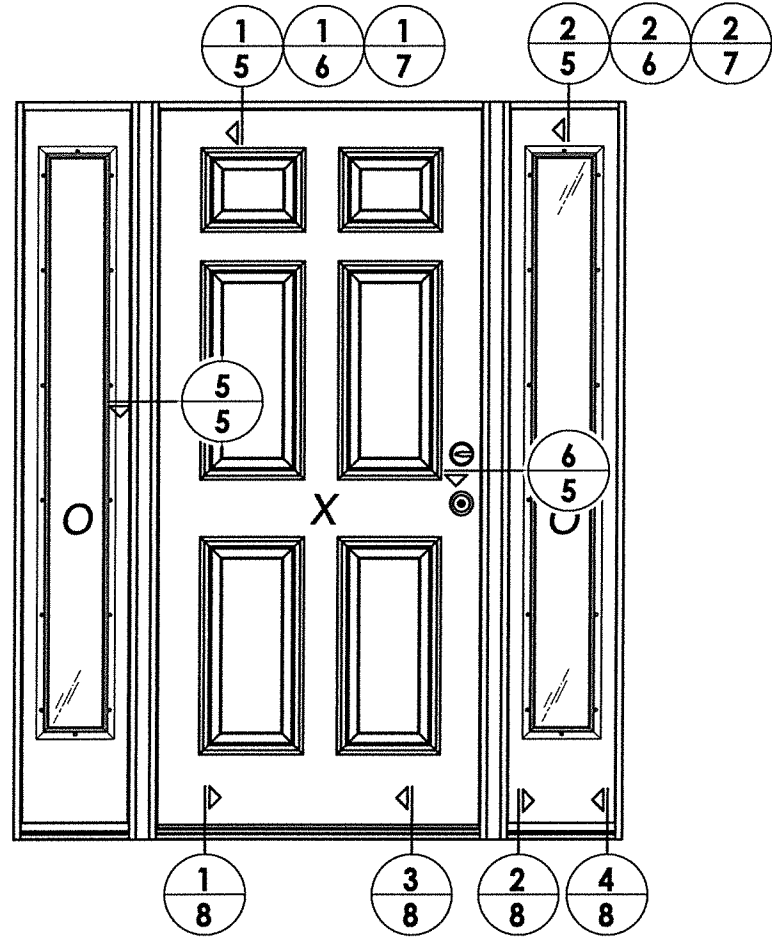
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

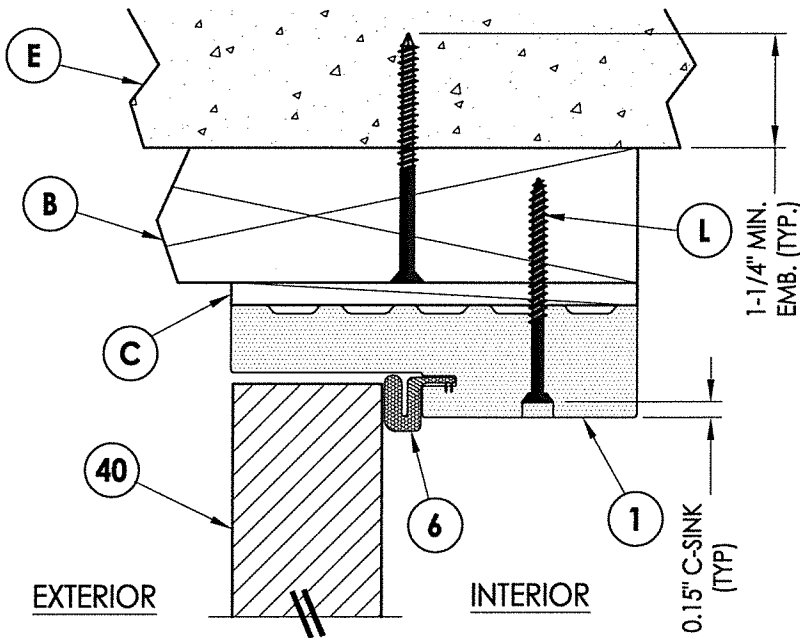
DRAWING NO.:
FL-20474.2

SHEET 1 OF 11

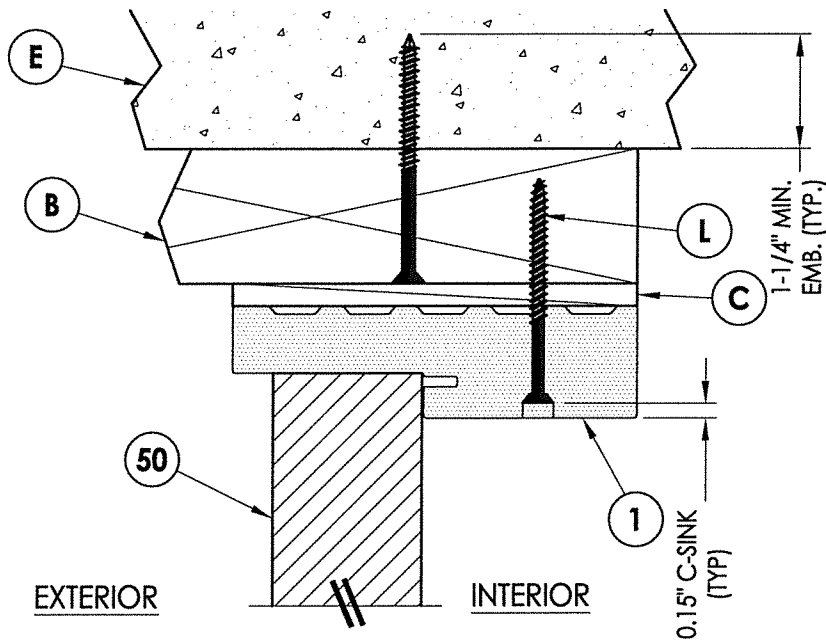


DATE: 5/17/16		PRODUCT: SURE ROCK FIBERGLASS DOORS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20474.2			
SHEET 4 OF 11			
NO. DATE 2 8/04/20 UPDATE TO 7TH ED. (2020) FBC LFS 1 8/03/17 UPDATE TO 6TH ED. (2017) FBC LFS BY		PART OR ASSEMBLY: ELEVATIONS	
REVISIONS			

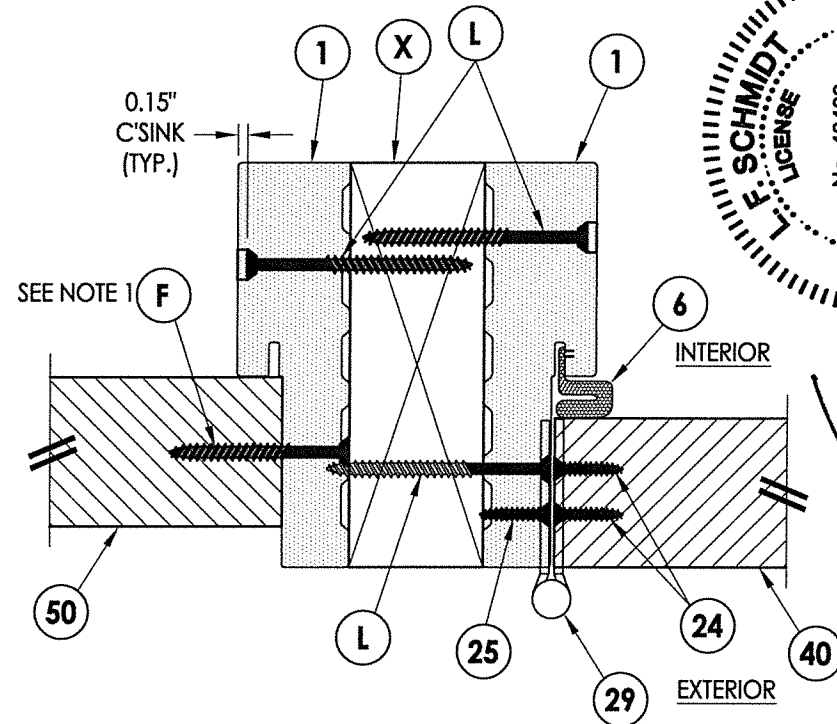
R:\Clients\HM Sure Rock Permanent\A - Florida Product Approvals\FL-20474\C - Drawings\FL-20474\1-3.dwg, 5.2



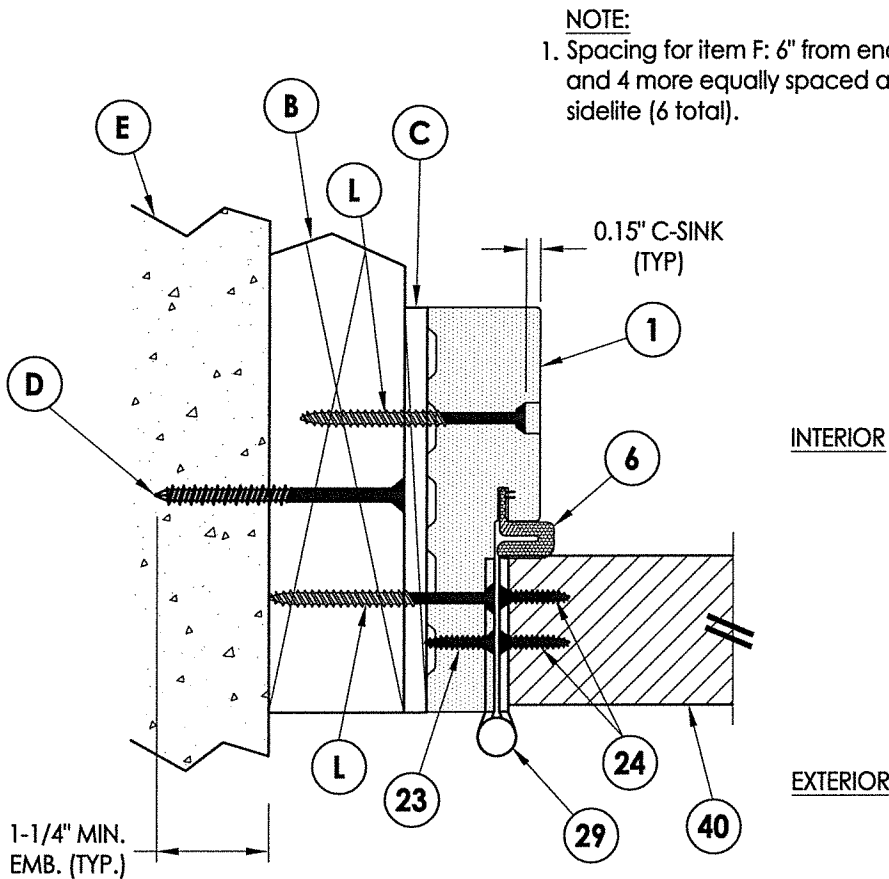
1 VERTICAL CROSS SECTION
5 Outswing shown (Inswing similar)



2 VERTICAL CROSS SECTION
5 Outswing shown (Inswing similar)

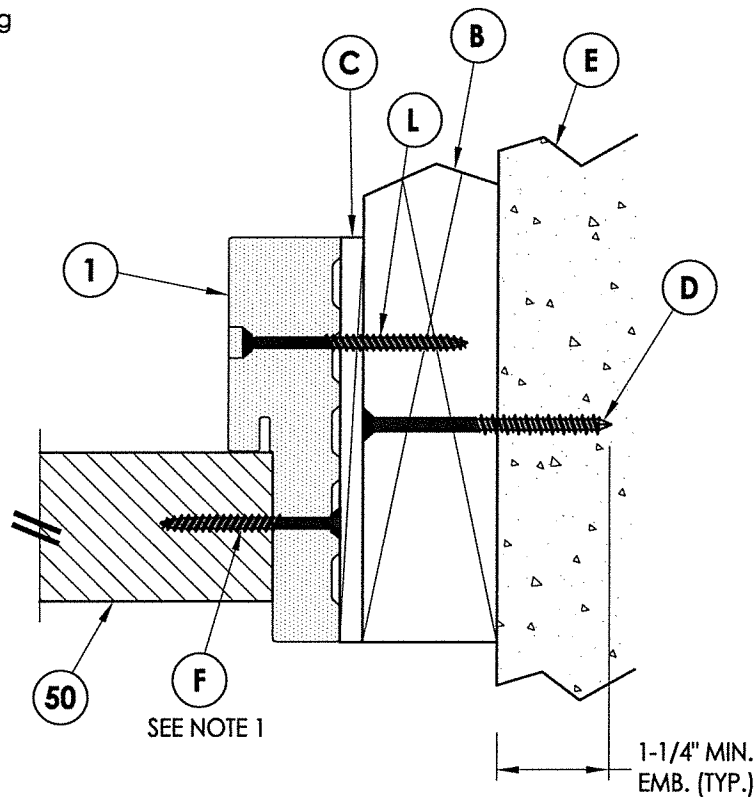


5 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)

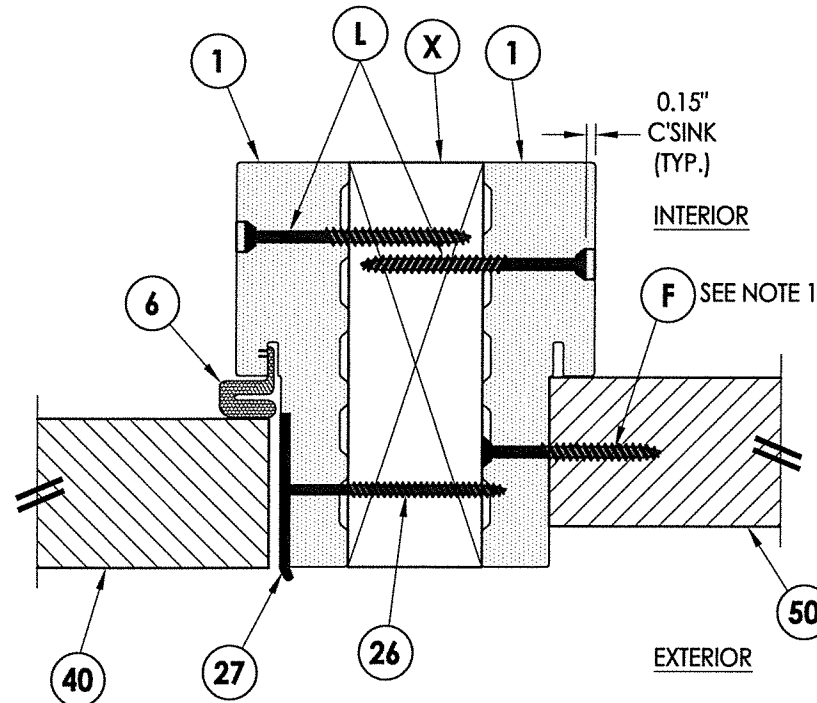


3 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)

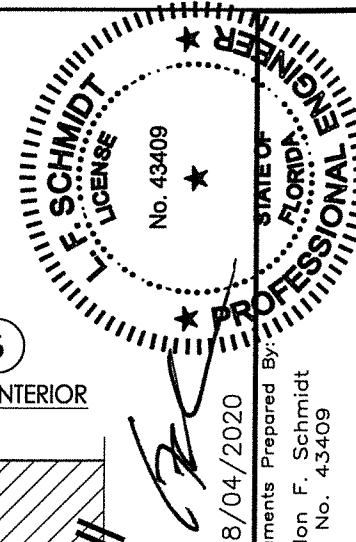
NOTE:
1. Spacing for item F: 6" from ends
and 4 more equally spaced along
sidelite (6 total).



4 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)



6 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)



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PRODUCT: SURE ROCK
FIBERGLASS DOORS
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

NO.	DATE	REVISIONS
2	8/04/20	UPDATE TO 7TH ED. (2020) 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-20474.2

SHEET 5 OF 11

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

INTERIOR

EXTERIOR

4 HORIZONTAL CROSS SECTION
6 Outswing shown (Inswing similar)



Technical drawing of a wall assembly cross-section. The drawing shows a vertical wall section with various layers and fasteners. Key components and fasteners are labeled with circled letters and numbers:

- E**: Points to the exterior surface of the wall.
- C**: Points to the vertical edge of the wall assembly.
- D**: Points to a horizontal fastener (screw) passing through the wall.
- M**: Points to a horizontal fastener (screw) passing through the wall.
- 1**: Points to a vertical component, likely a stud or partition.
- 6**: Points to a horizontal component, likely a track or channel.
- 23**: Points to a vertical fastener (screw) passing through the wall.
- 24**: Points to a horizontal fastener (screw) passing through the wall.
- 29**: Points to a vertical fastener (screw) passing through the wall.
- 40**: Points to a horizontal fastener (screw) passing through the wall.

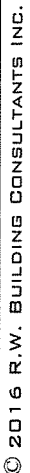
Dimensional callouts at the bottom left indicate:

- 1-1/4" MIN.**: Minimum thickness of the wall assembly.
- EMB. (TYP.)**: Typical embedding of the fastener into the wall.

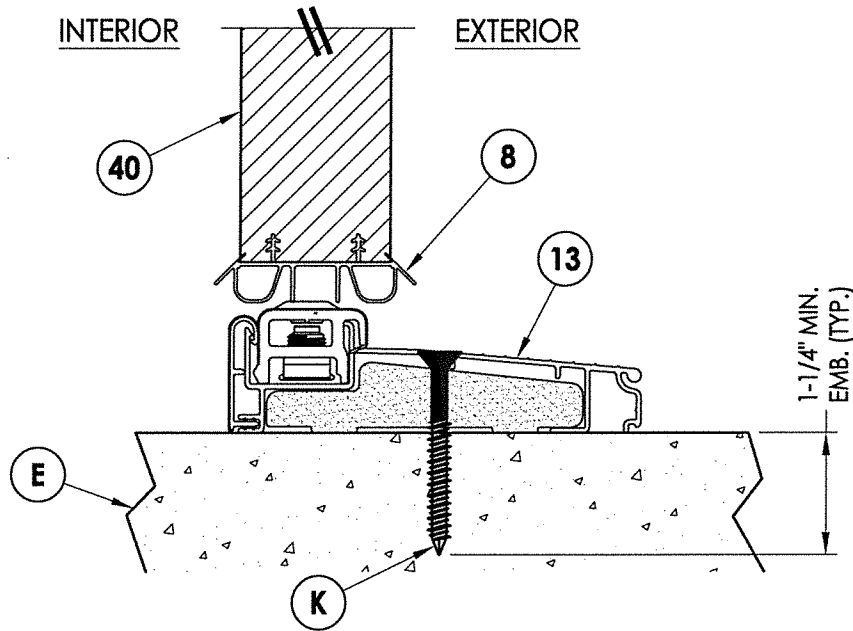
INTERIOR

EXTERIOR

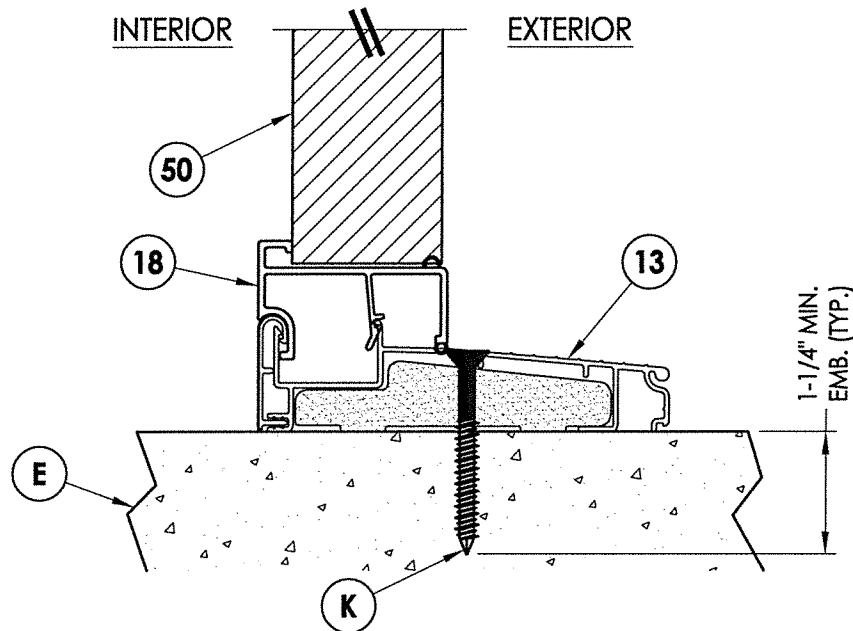
4 **HORIZONTAL CROSS SECTION**
7 Outswing shown (Inswing similar)



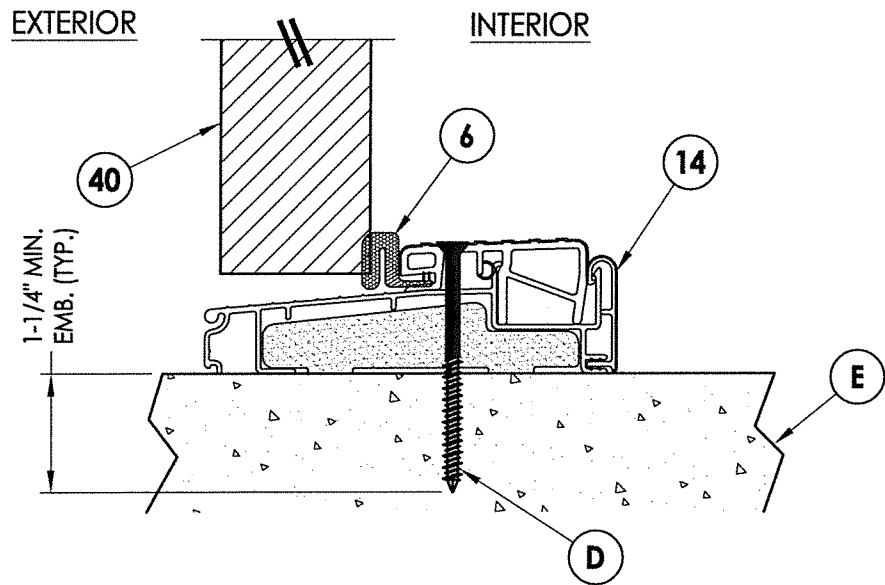
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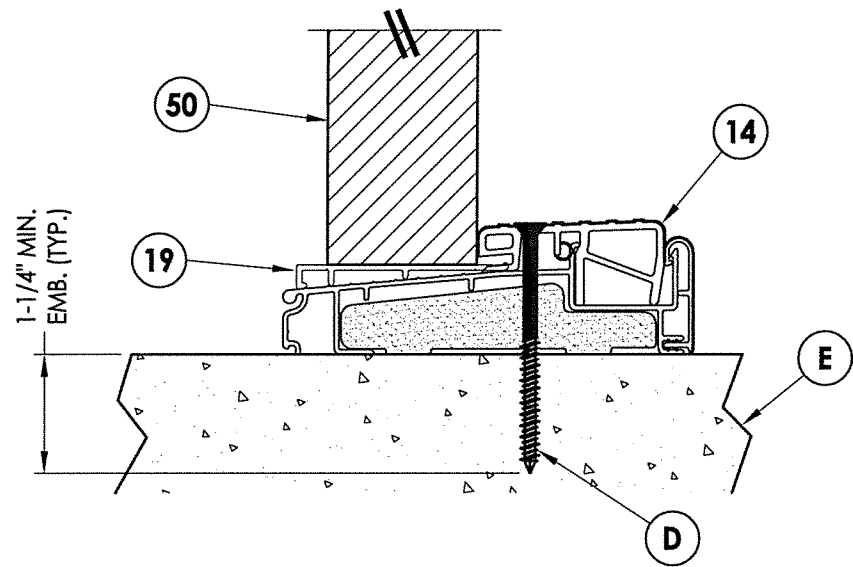
1 VERTICAL CROSS SECTION
8 Inswing Threshold



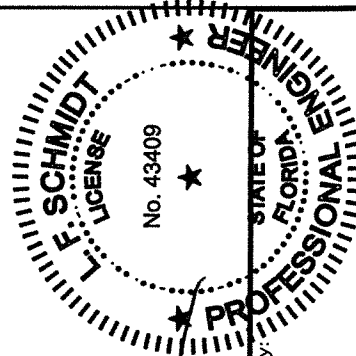
3 VERTICAL CROSS SECTION
8 Inswing Threshold



2 VERTICAL CROSS SECTION
8 Outswing Threshold



4 VERTICAL CROSS SECTION
8 Outswing Threshold



8/04/2020

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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
1	8/03/17	UPDATE TO 6TH ED. (2017) FBC
		BY

DATE: 5/17/16

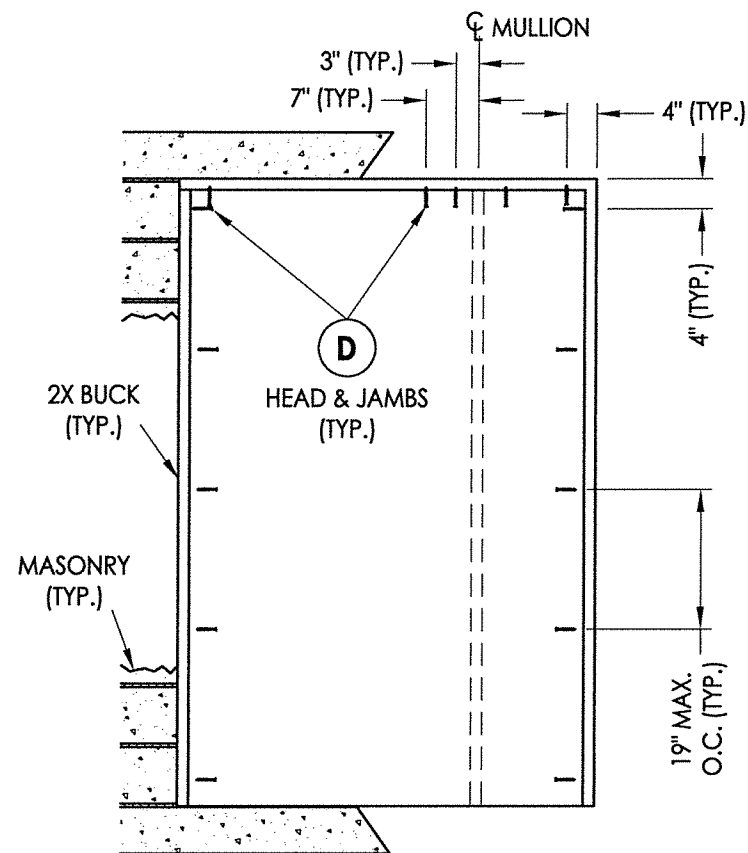
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DWG. BY: JK

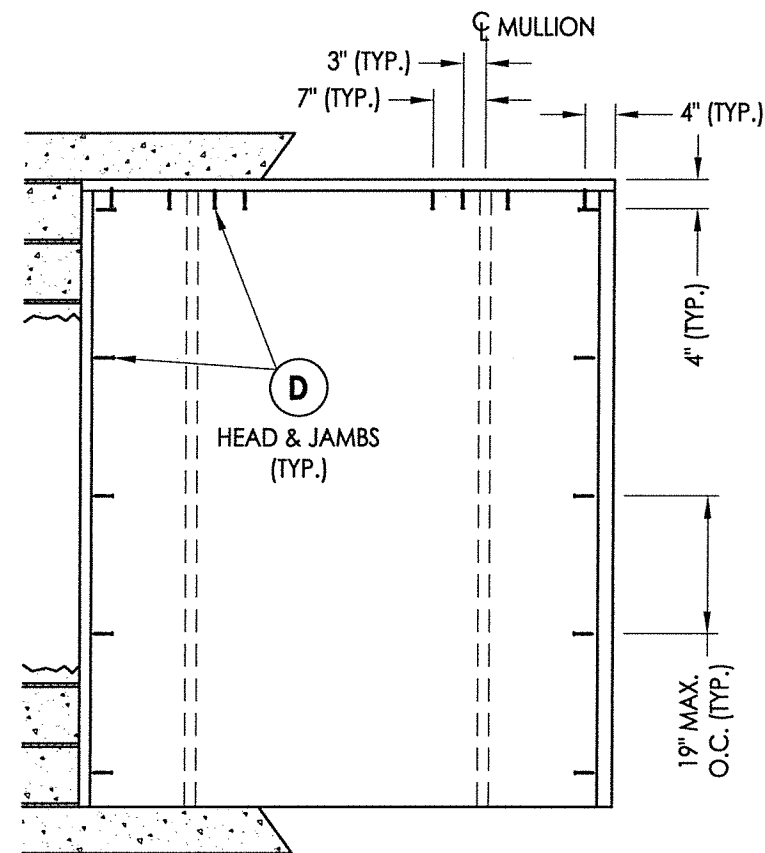
CHK. BY: LFS

DRAWING NO.:
FL-20474.2

SHEET 8 OF 11



XO/OX

OXO

2X BUCK ANCHORING

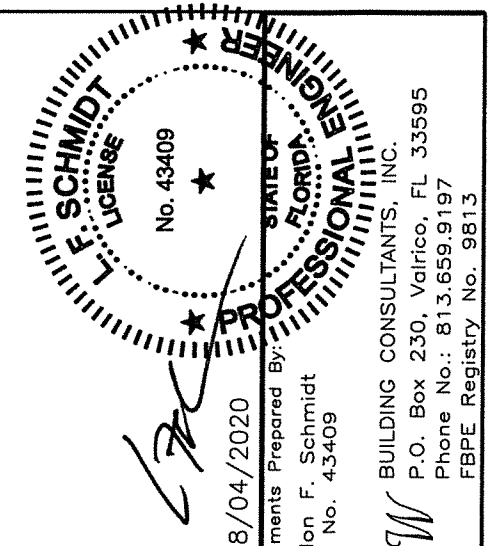
CONCRETE ANCHOR NOTES:

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 TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	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.



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FBPE Registry No. 9813

DATE: 5/17/16		PRODUCT: SURE ROCK FIBERGLASS DOORS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20474.2			
SHEET 9 OF 11		PART OR ASSEMBLY: BUCK ANCHORING	
		LFS	
		LFS	
		BY	
		REVISIONS	
		2 8/04/20 UPDATE TO 7TH ED. (2020) FBC	
		1 8/03/17 UPDATE TO 6TH ED. (2017) FBC	
		NO. DATE	

4" (TYP) →

8" (TYP) →

⊥ MULLION

6" (TYP)

14" MAX. O.C. (TYP)

L 2X BUCK

J 1X BUCK

D DIRECT TO MASONRY

HEAD & JAMBS (TYP.)

L 2X REINFORCEMENT (TYP.)

D SILL (TYP.)

K

OXO

CH AND DEADBOLT STRIKE PLATE DETAILS

11.25" FROM TOP OF FRAME

28.5" O.C. (TYP.)

M DIRECT TO MASONRY

G 1X BUCK

L 2X BUCK

29

24

23

25

HINGE DETAIL

CR

8/04/2020

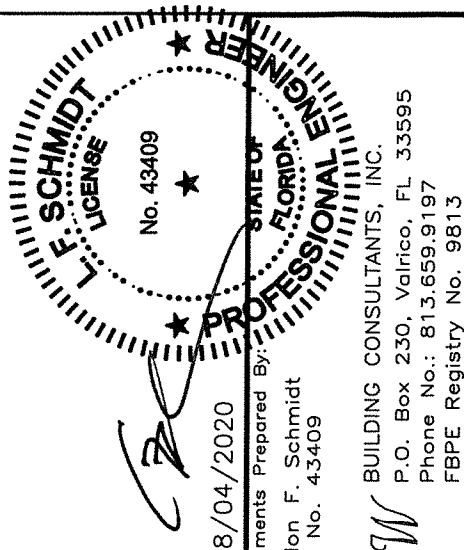
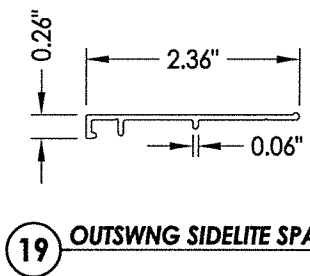
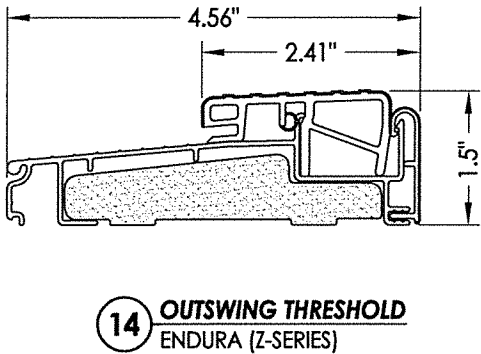
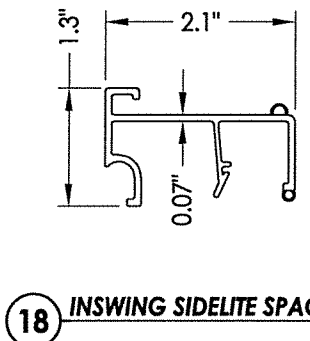
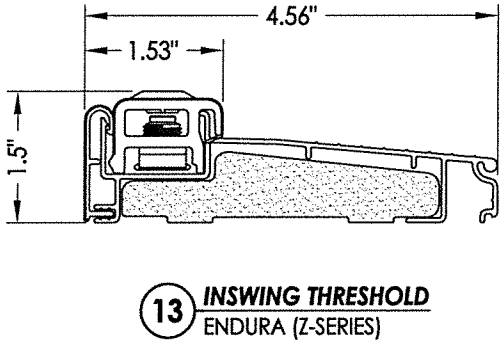
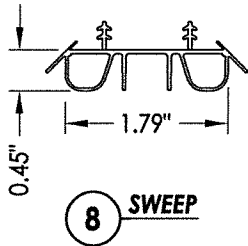
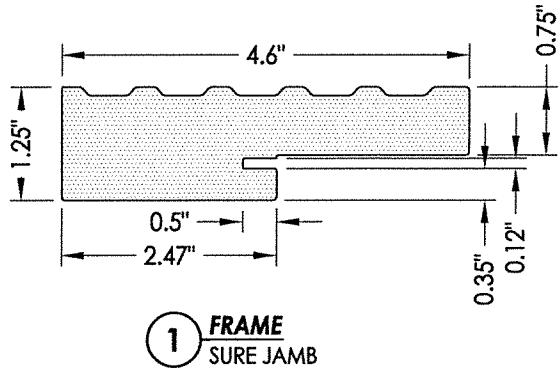
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW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



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

NO.		DATE		REVISIONS	
2	8/04/20	UPDATE TO 7TH ED. (2020)	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-20474.2
SHEET	11 OF 11