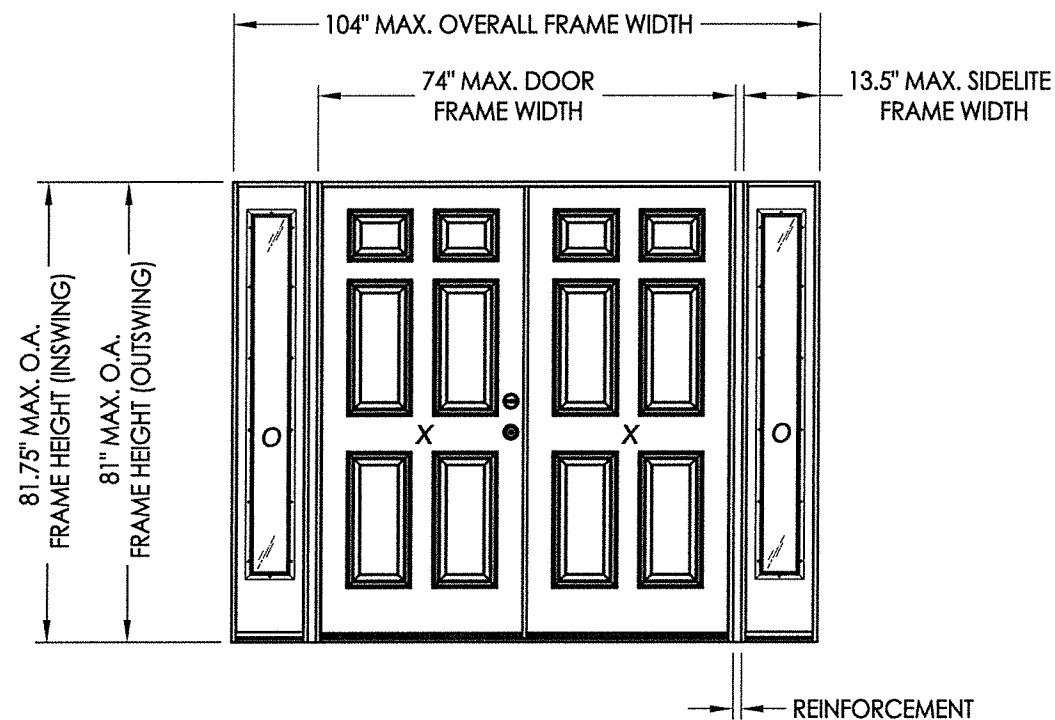
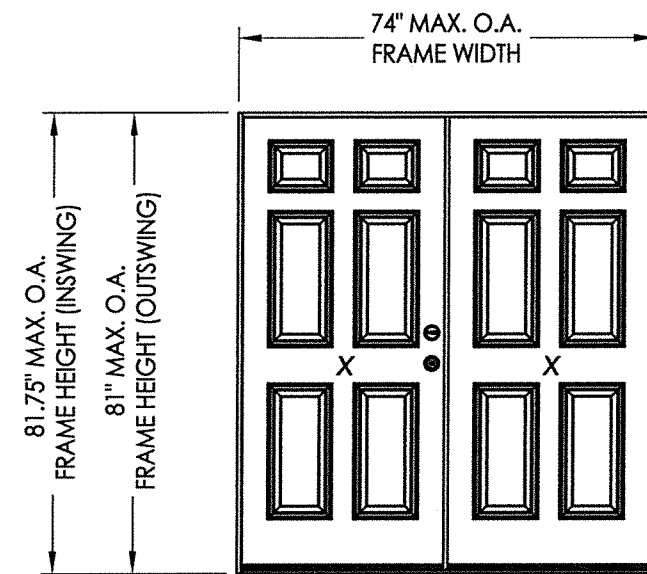


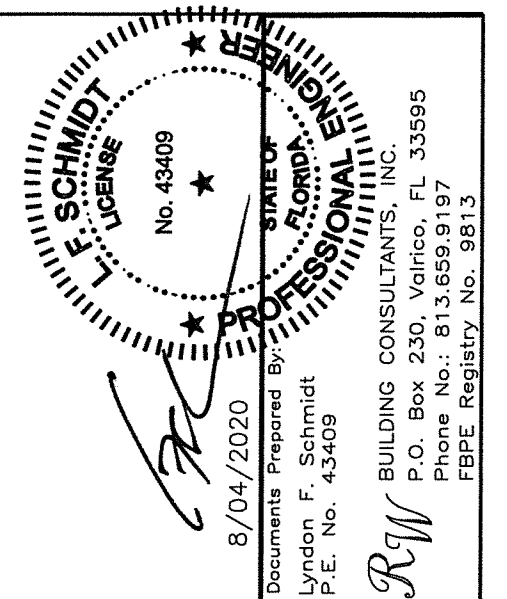
GENERAL NOTES

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.

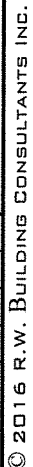
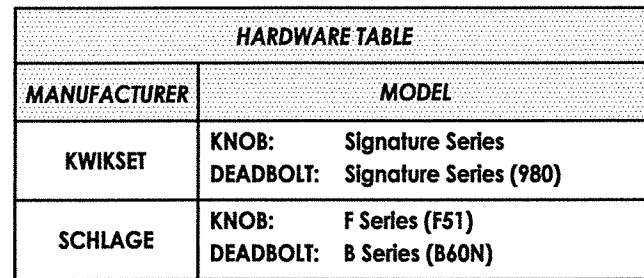
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Sidelite Panel Details
4	Elevations
5	Vertical & Horizontal Cross Sections (2X Buck)
6	Vertical & Horizontal Cross Sections (1X Buck)
7	Vertical & Horizontal Cross Sections (Direct to Masonry)
8	Vertical Cross Sections (Thresholds)
9	Buck Anchoring
10	Frame Anchoring & Hardware Details
11	Bill of Materials & Components



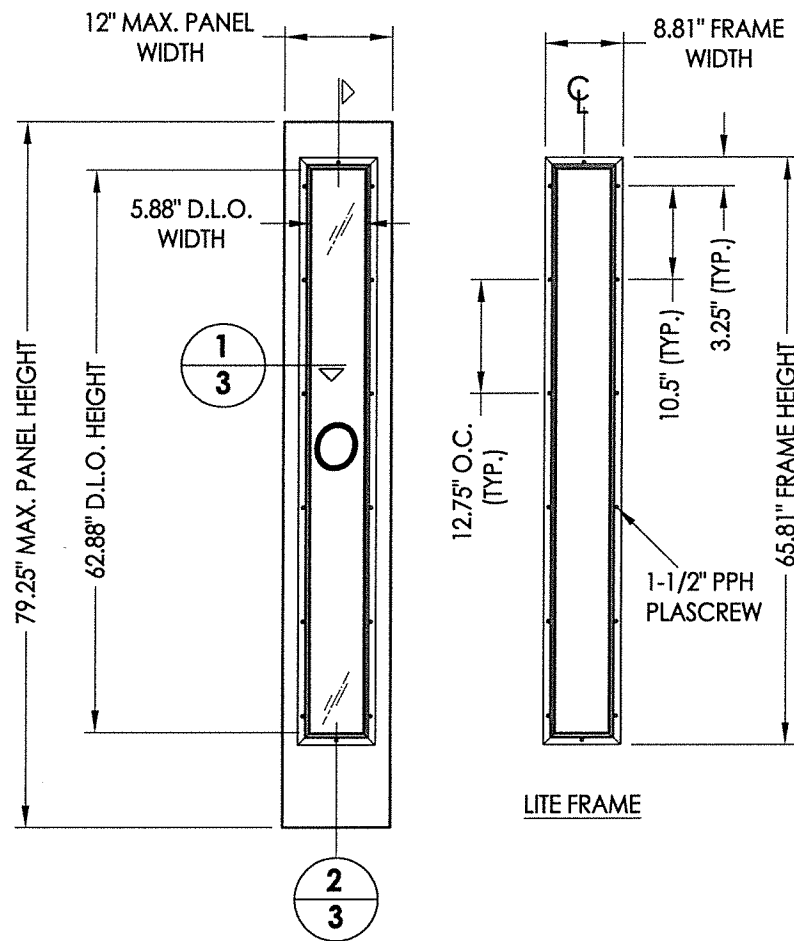
CONFIGURATION	MAX. FRAME DIMENSION	REINFORCEMENT	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 81.75"	N/A	+55.0	-55.0	+55.0	-55.0
OXXO	101.0" x 81.75"	NONE	+40.0	-40.0	+40.0	-40.0
OXXO	102.5" x 81.75"	1X	+55.0	-55.0	+55.0	-55.0
OXXO	104.0" x 81.75"	2X	+55.0	-55.0	+55.0	-55.0



DATE: 5/17/16		PRODUCT: SURE ROCK FIBERGLASS DOORS	
SCALE: N.T.S.		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20474.3			
SHEET 1 OF 11			
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	

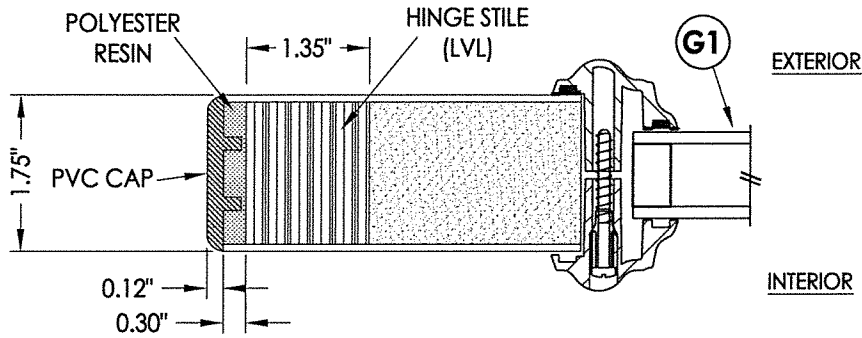


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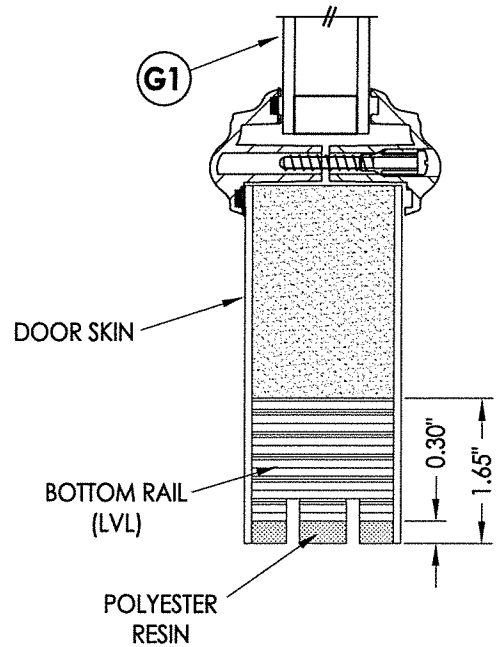
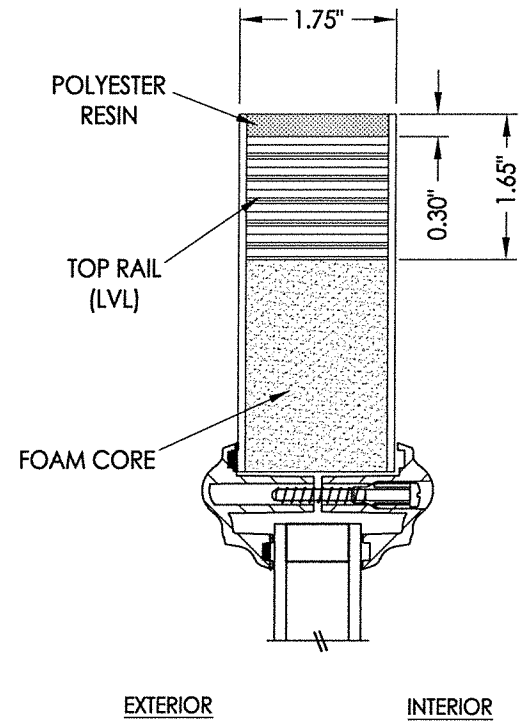
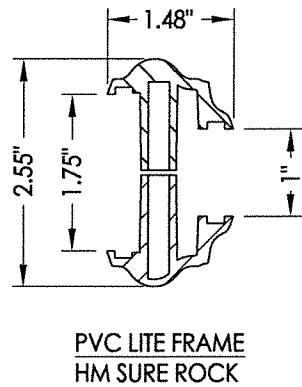
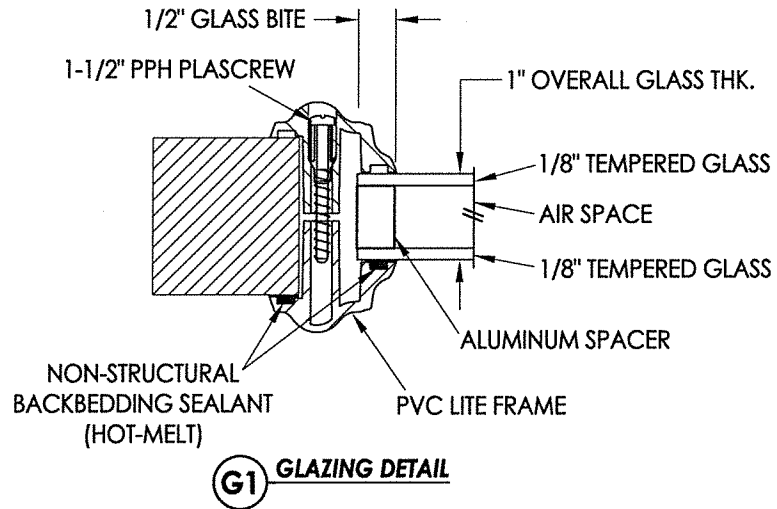


40 SIDELITE PANEL

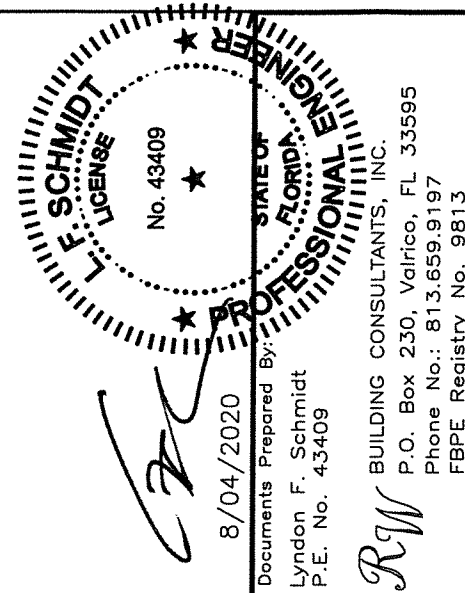
FIBERGLASS SIDELITE SKIN: MIN. 0.070" THK.
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)



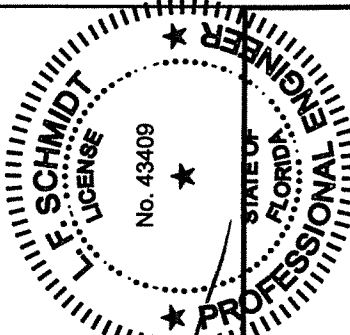
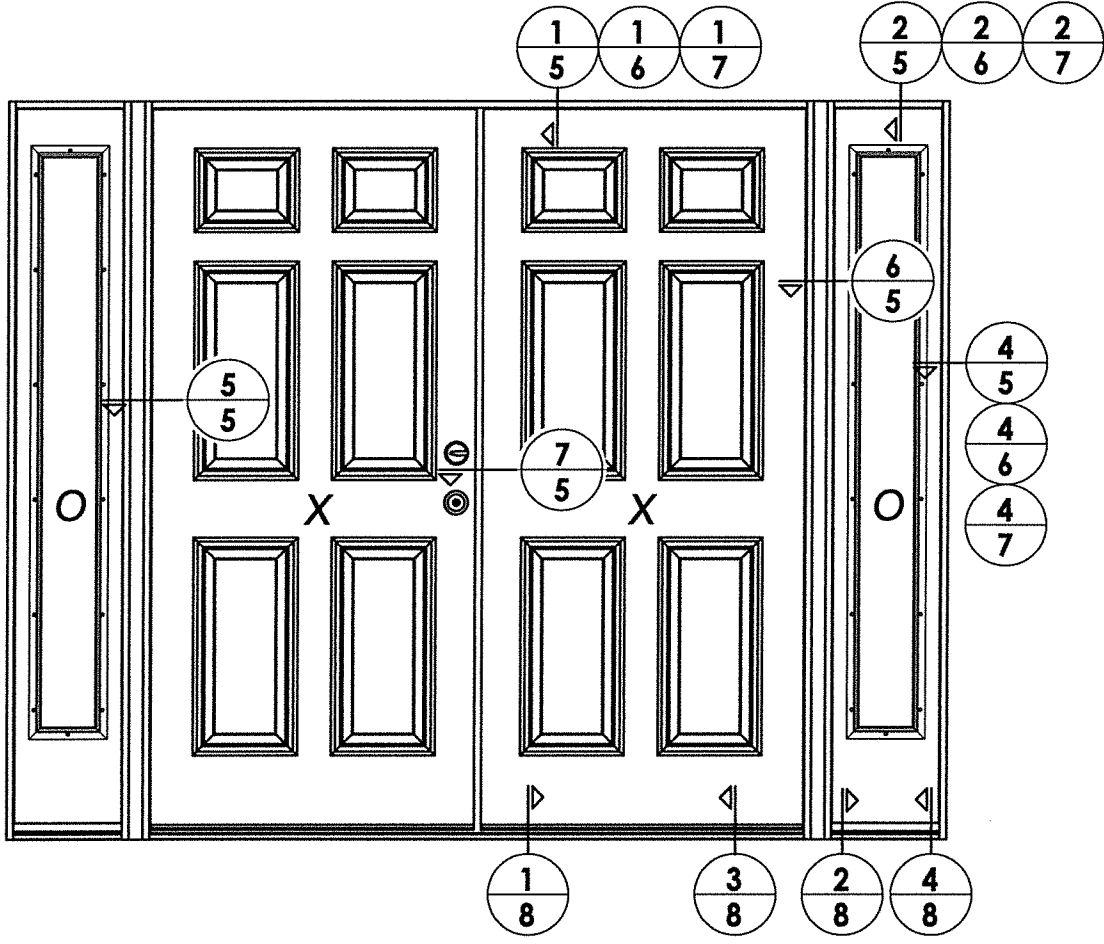
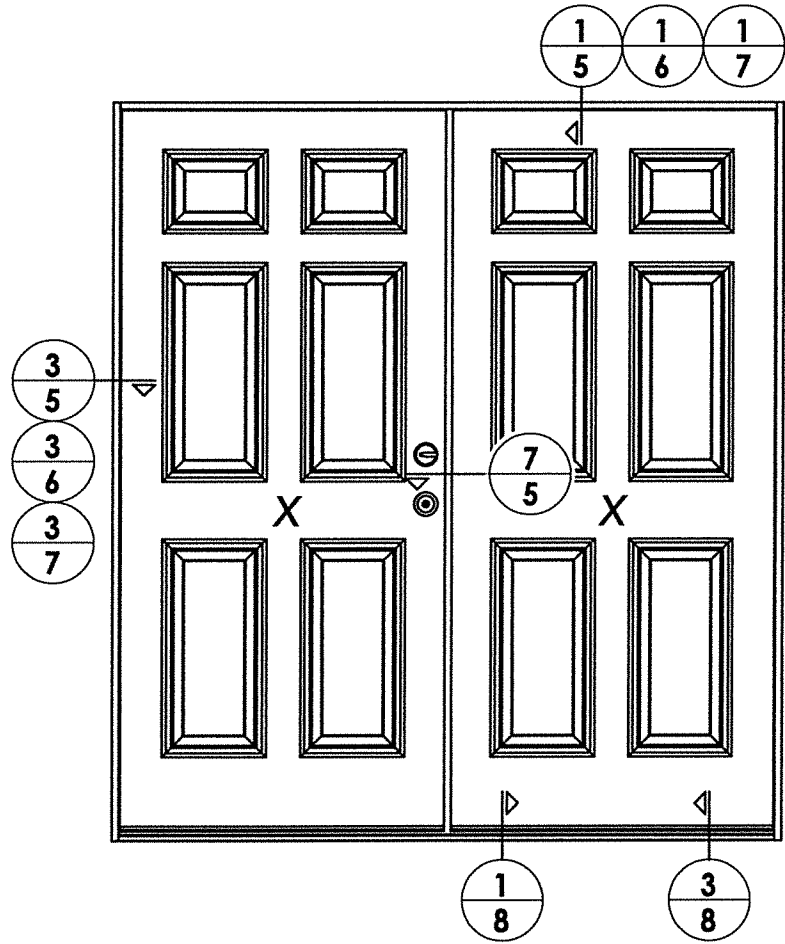
1 3 HORIZONTAL CROSS SECTION



2 3 VERTICAL CROSS SECTION



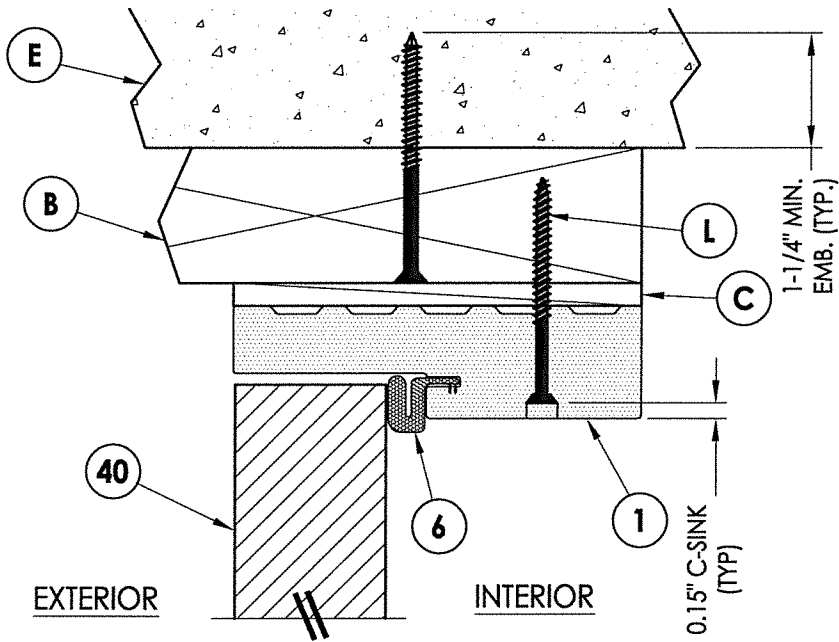
PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		SIDELITE PANEL DETAILS	
DATE:	5/17/16	NO.	DATE
SCALE:	N.T.S.	2	8/04/20
DWG. BY:	JK	1	8/03/17
CHK. BY:	LFS	1	8/03/17
DRAWING NO.:	FL-20474.3	1	8/03/17
SHEET	3 OF 11	1	8/03/17
REVISIONS			
2 8/04/20 UPDATE TO 7TH ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL			
1 8/03/17 UPDATE TO 6TH ED. (2017) FBC			
© 2016 R.W. BUILDING CONSULTANTS INC.			



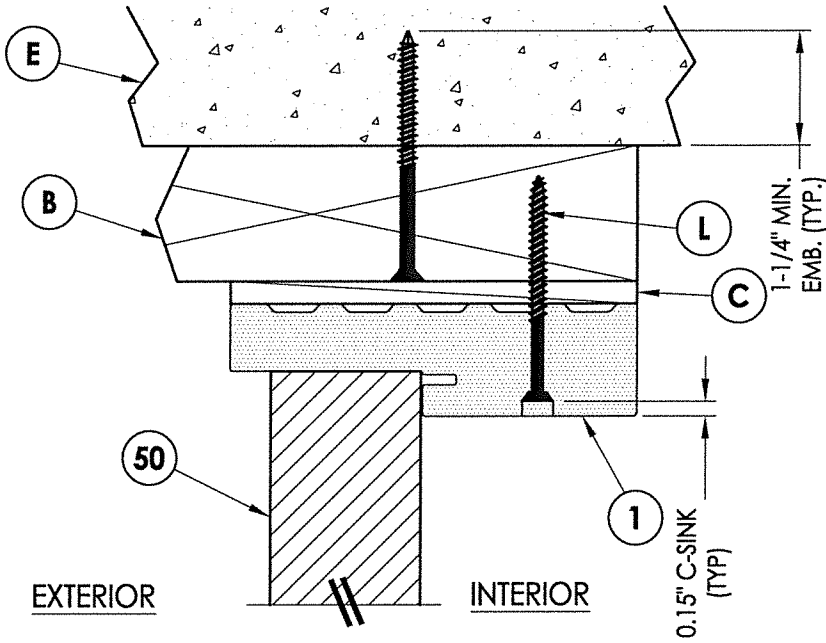
8/04/2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

DATE: 5/17/16										PRODUCT:		SURE ROCK FIBERGLASS DOORS			
SCALE: N.T.S.															
DWG. BY: JK															
CHK. BY: LFS															
DRAWING NO.: FL-20474.3															
SHEET 4 OF 11															

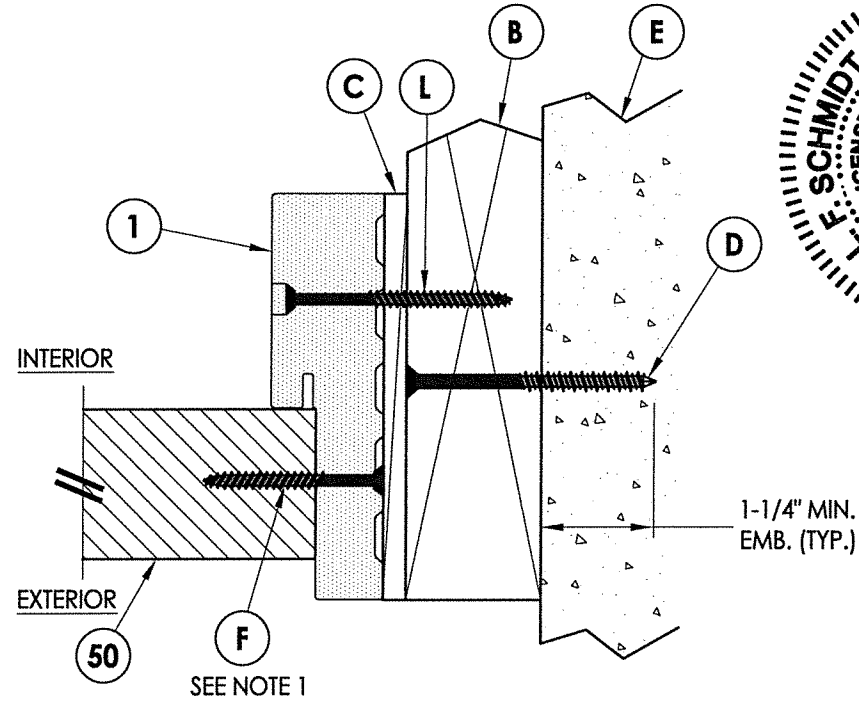
R:\Clients\HM Sure Rock Permanent\A - Florida Product Approvals\FL-20474\C - Drawings\FL-20474 (2020)\FL-20474.3.dwg, 5.3



1 VERTICAL CROSS SECTION
5 Outswing shown (Inswing similar)

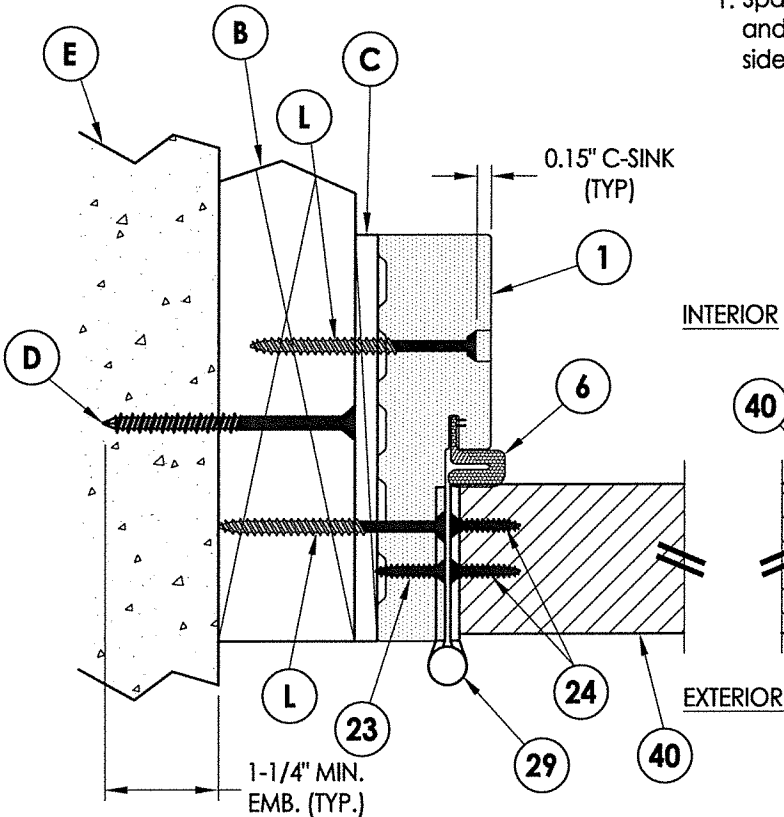


2 VERTICAL CROSS SECTION
5 Outswing shown (Inswing similar)

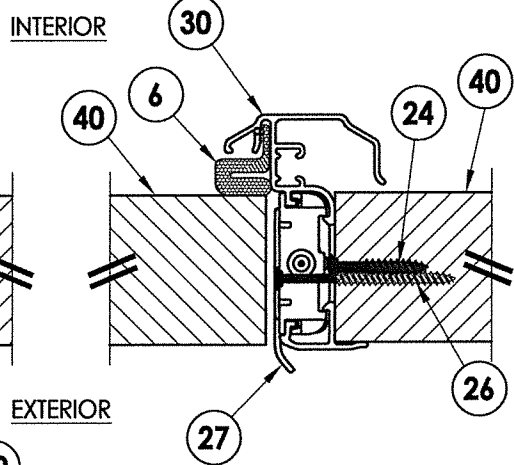


4 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)

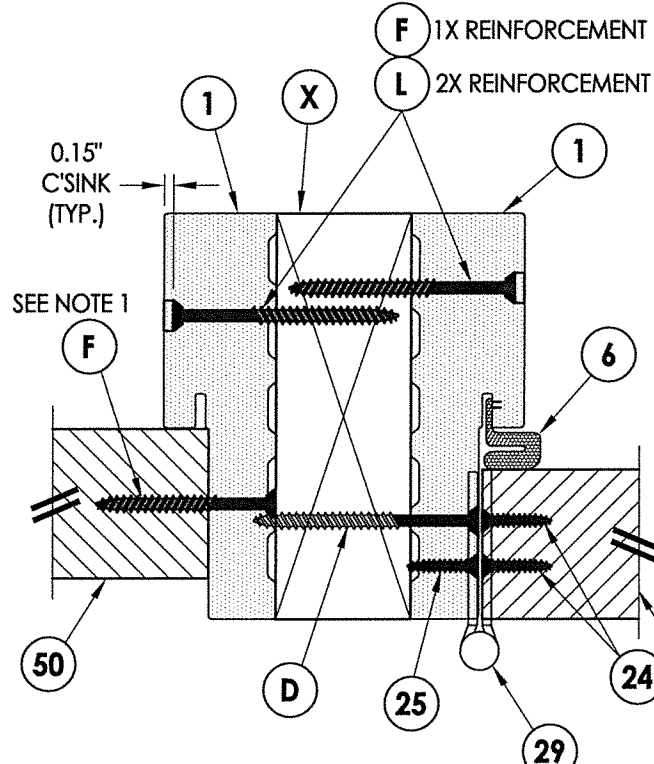
NOTE:
1. Spacing for item F: 6" from ends
and 4 more equally spaced along
sidelite (6 total).



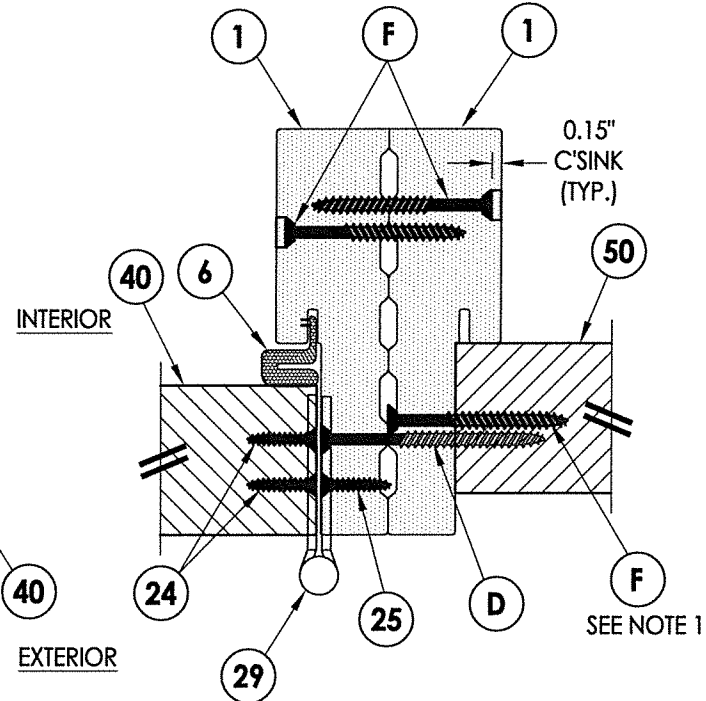
3 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)



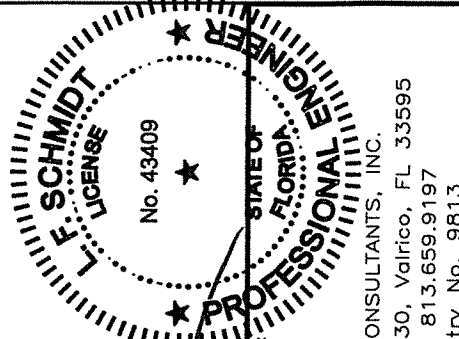
7 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)



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



8/04/2020
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P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
DATE:		2	8/04/20
SCALE:		1	8/03/17
DWG. BY:		LFS	BY
CHK. BY:		LFS	DATE
DRAWING NO.:		FL-20474.3	REVISIONS
SHEET		5	OF 11

[illegible]

Technical drawing of a cross-section of a wall assembly. The drawing shows a vertical wall section with various layers and components. Labels include:

- E**: Points to the outermost layer on the left.
- A**: Points to a vertical layer or joint.
- C**: Points to a vertical layer or joint.
- J**: Points to a horizontal layer or joint.
- G**: Points to a horizontal layer or joint.
- 1**: Points to a vertical layer or joint.
- 6**: Points to a horizontal layer or joint.
- 23**: Points to a vertical layer or joint.
- 24**: Points to a horizontal layer or joint.
- 29**: Points to a vertical layer or joint.
- 40**: Points to a horizontal layer or joint.

Dimensions and notes:

- 1-1/4" MIN. EMB. (TYP.)**: A dimension line indicates a minimum embedding depth of 1-1/4 inches for a typical component.

INTERIOR

EXTERIOR

Technical drawing of a wall assembly cross-section. The drawing shows a concrete wall (A) with insulation (E) on the exterior. A metal stud (C) is embedded in the wall. A metal plate (1) is attached to the stud. A metal fastener (J) is used to secure the plate. A metal plate (50) is attached to the stud. A metal fastener (F) is used to secure the plate. A dimension line indicates a minimum thickness of 1-1/4 inches for the insulation (EMB. (TYP.)).

8/04/2020

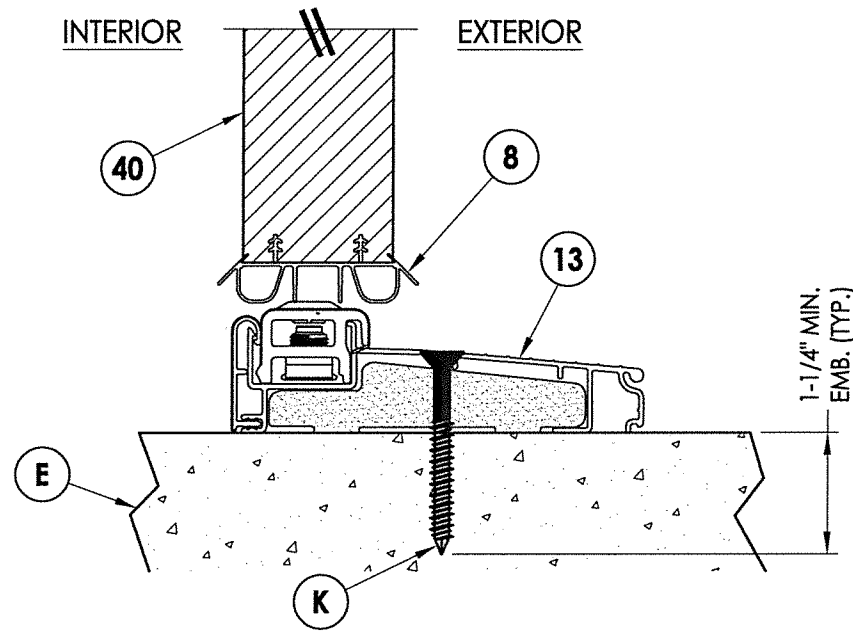
Documents Prepared By: Lyndon F. Schmidt
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P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

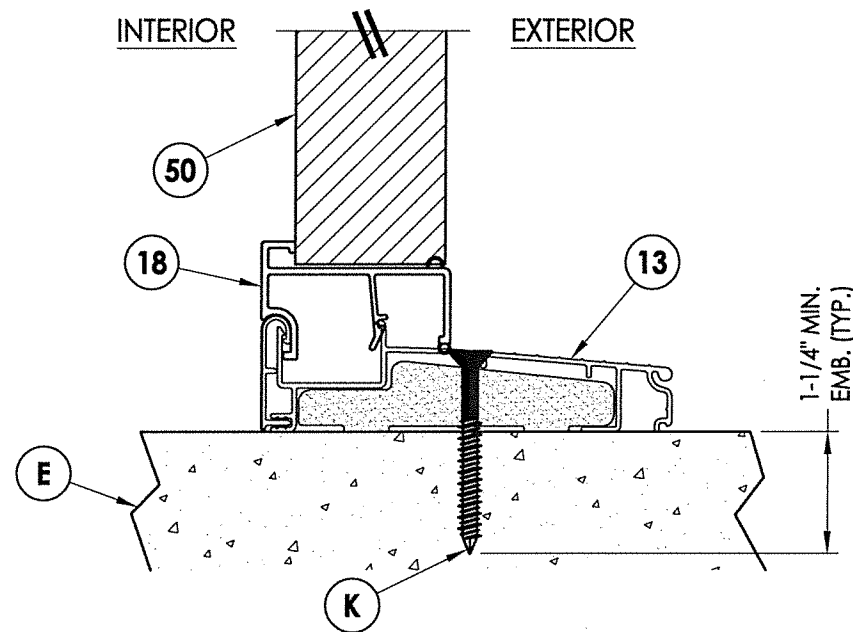
PRODUCT:
SURE ROCK
FIBERGLASS DOORS

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

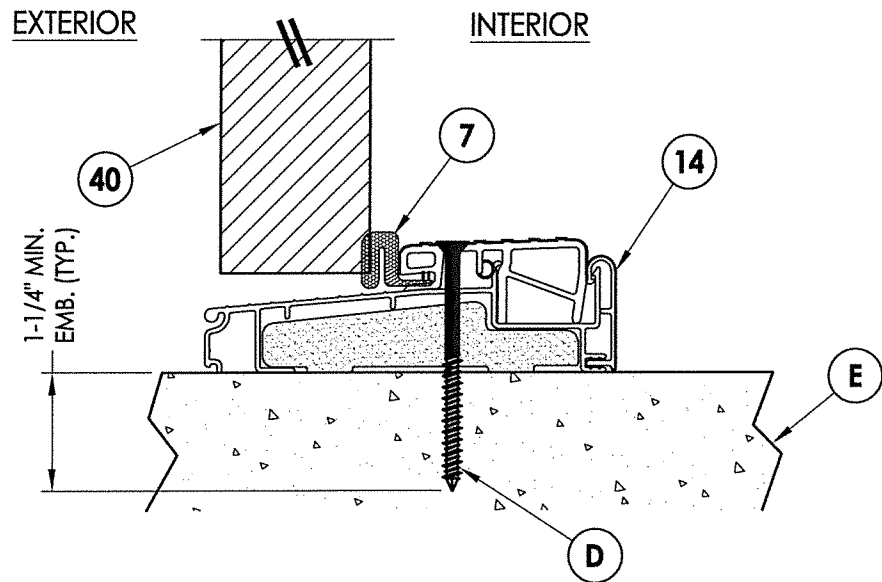
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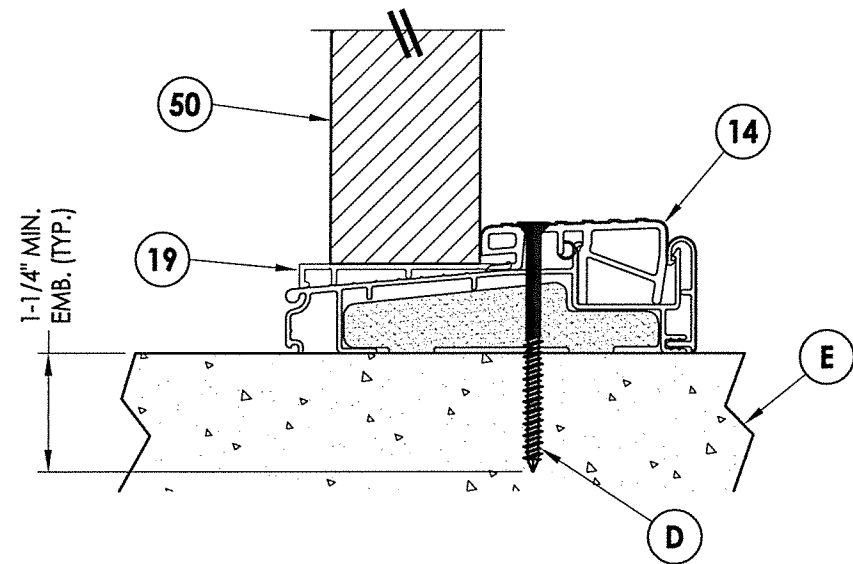
1 **VERTICAL CROSS SECTION**
8 Inswing Threshold



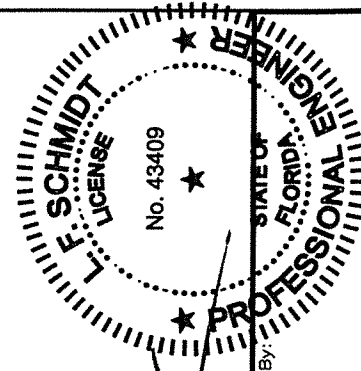
3 **VERTICAL CROSS SECTION**
8 Inswing Threshold



2 **VERTICAL CROSS SECTION**
8 Outswing Threshold



4 **VERTICAL CROSS SECTION**
8 Outswing Threshold



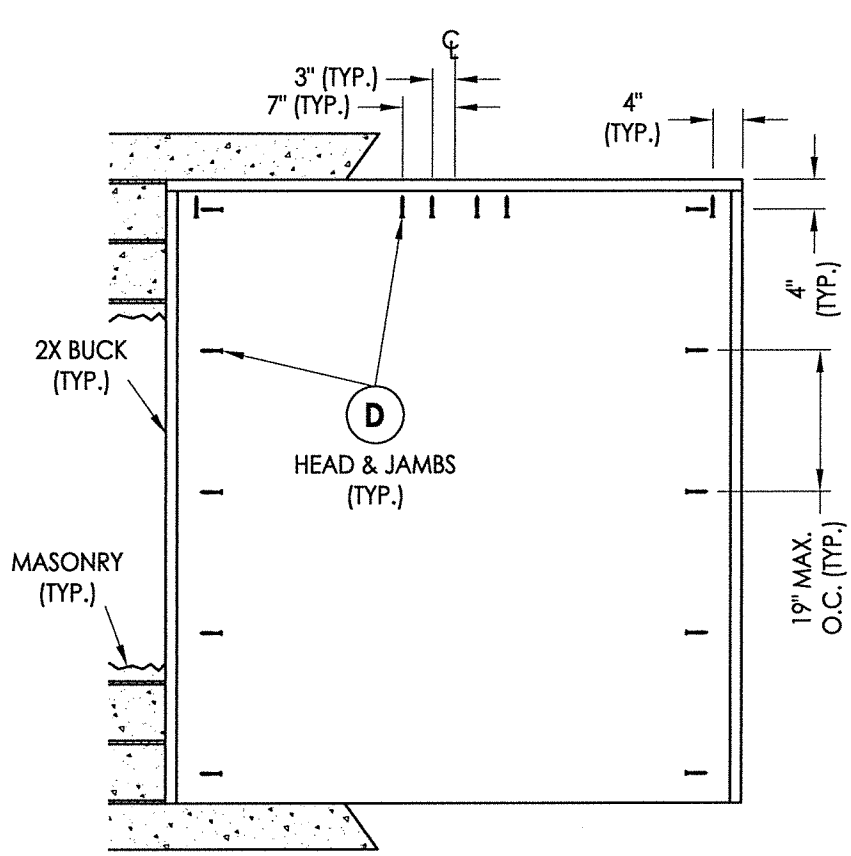
8/04/2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

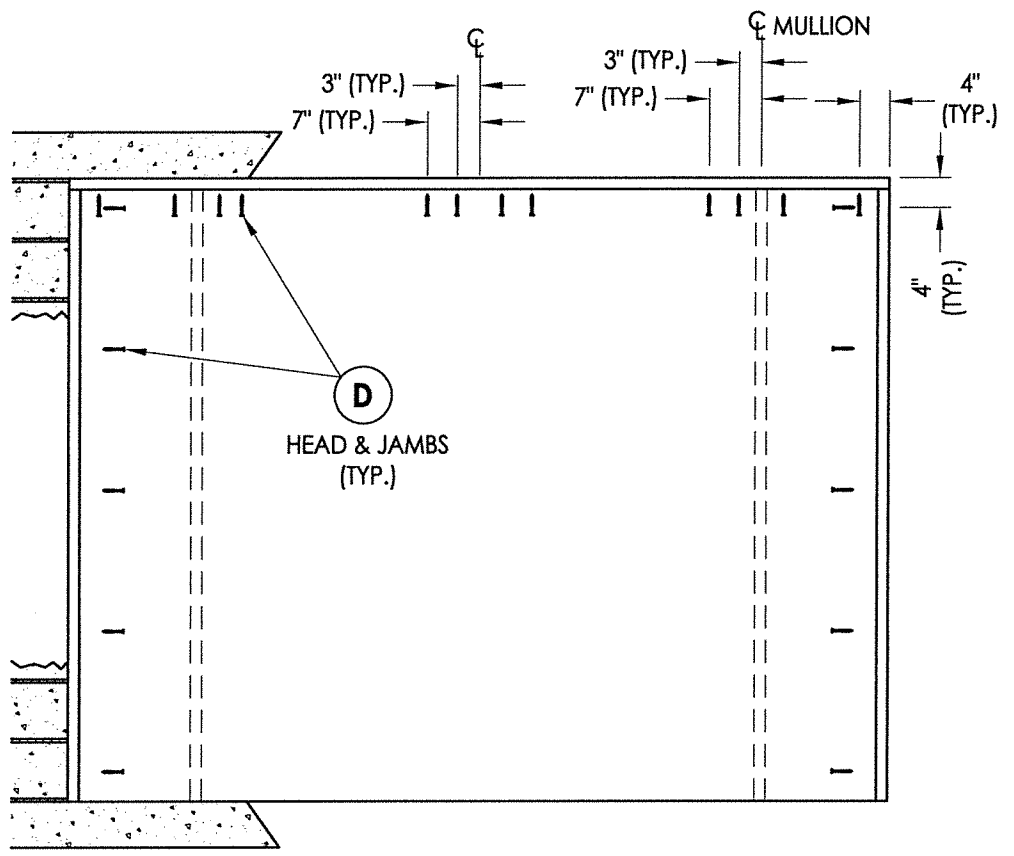
PRODUCT:	SURE ROCK FIBERGLASS DOORS	
	PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)	

NO.	DATE	REVISIONS	
		DATE	BY
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

DATE: 5/17/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-20474.3
SHEET 8 OF 11



XX



OXXO

2X BUCK ANCHORING

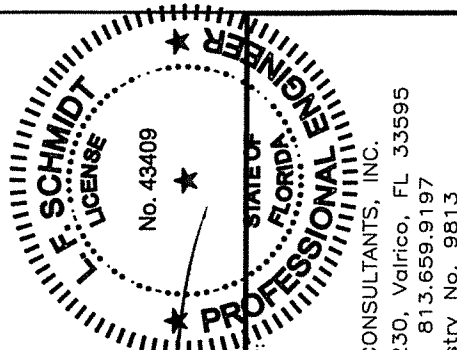
CONCRETE ANCHOR NOTES:

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 ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

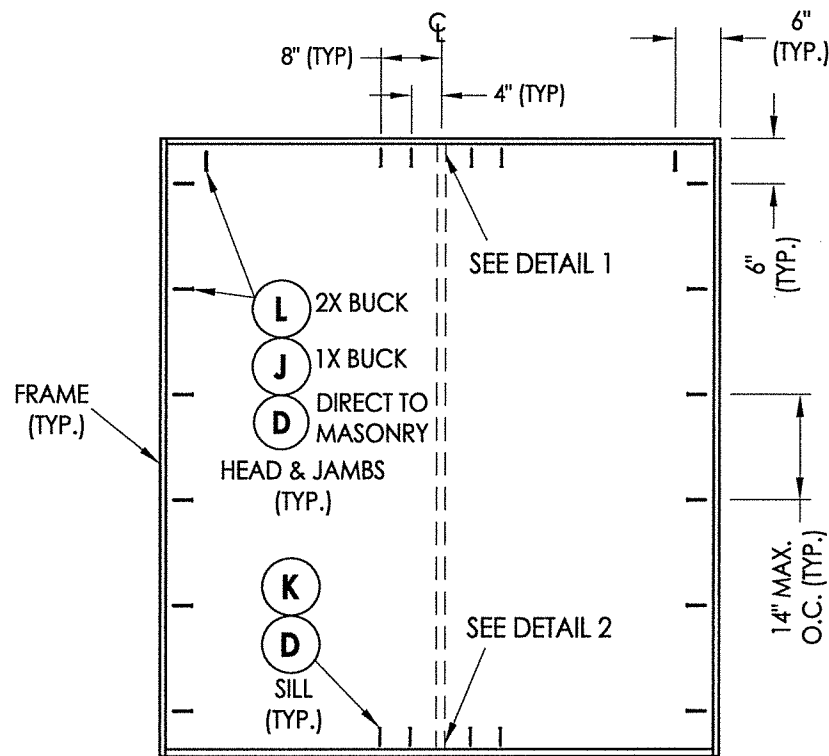
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



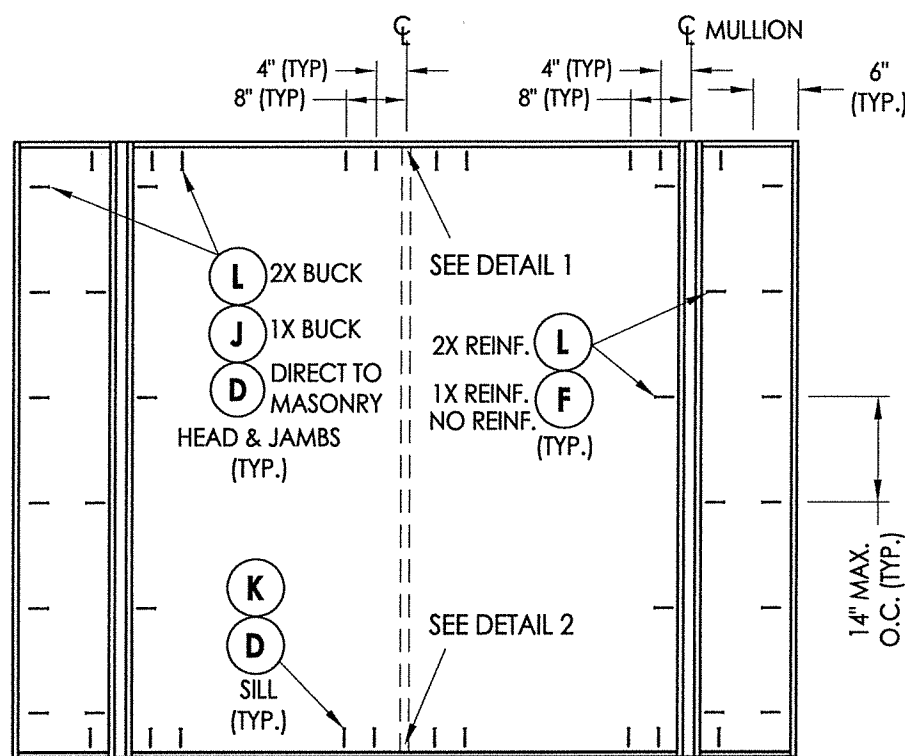
8/04/2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		BUCK ANCHORING	
2	8/04/20	UPDATE TO 7TH ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL	LFS
1	8/03/17	UPDATE TO 6TH ED. (2017) FBC	LFS
NO.	DATE		BY
		REVISIONS	
DATE: 5/17/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20474.3			
SHEET 9 OF 11			

R:\Clients\HM Sure Rock PERMANENT\A - Florida Product Approvals\FL-20474 (2020)\FL-20474.3.dwg, 10.3



XX



OXXO

FRAME ANCHORING

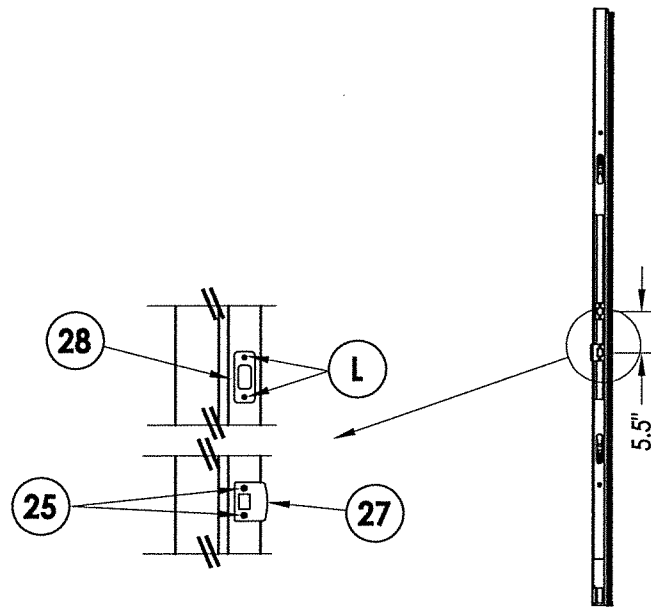
CONCRETE ANCHOR NOTES:

- 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"

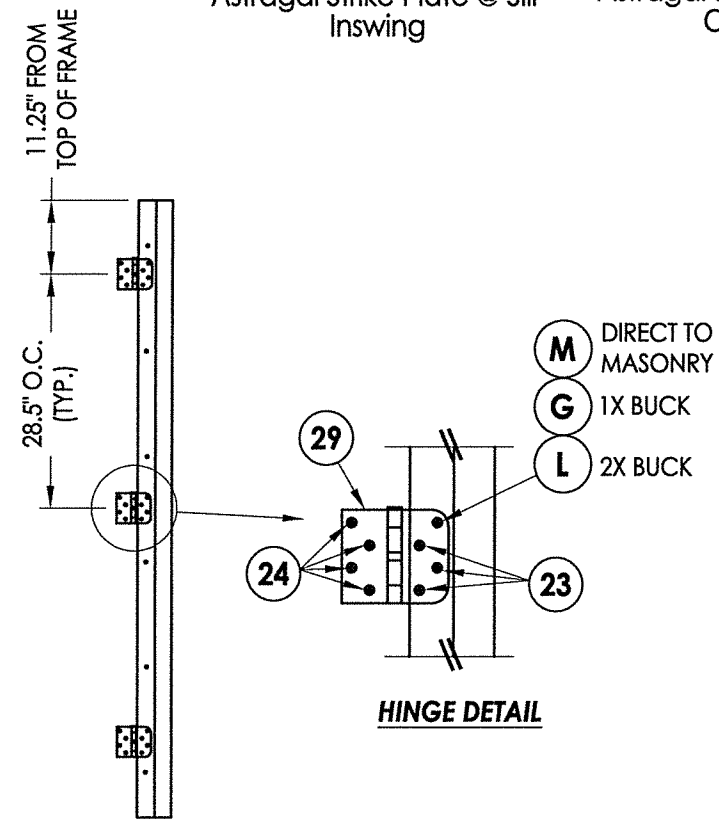
WOOD SCREW INSTALLATION NOTES:

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

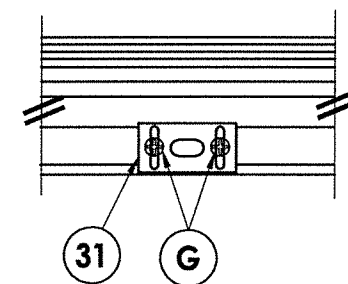


LATCH AND DEADBOLT STRIKE PLATE DETAILS

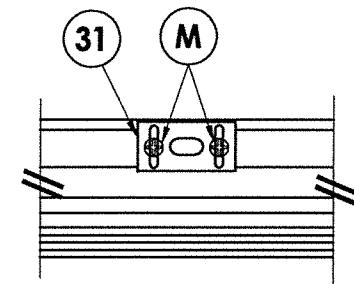
ASTRAGAL JAMB



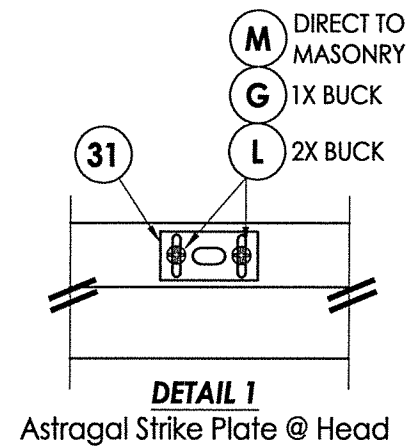
HINGE JAMB



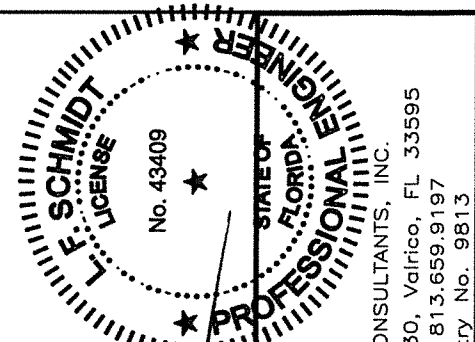
DETAIL 2
Astragal Strike Plate @ Sill
Inswing



DETAIL 2
Astragal Strike Plate @ Sill
Outswing



DETAIL 1
Astragal Strike Plate @ Head



8/04/2020

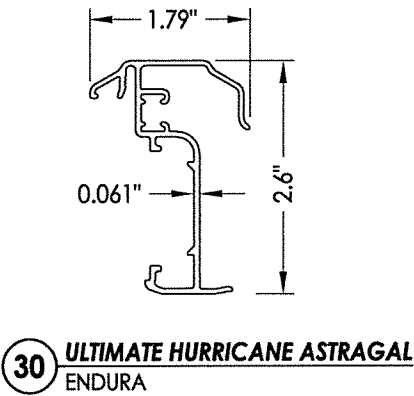
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

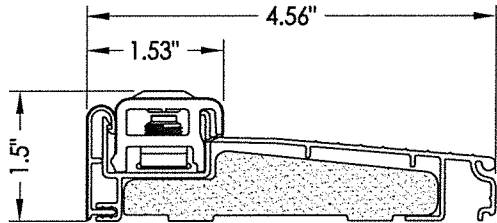
PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		FRAME ANCHORING	
REVISIONS			
NO.	DATE	DESCRIPTION	BY
2	8/04/20	UPDATE TO 7TH ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL	LFS
1	8/03/17	UPDATE TO 6TH ED. (2017) FBC	LFS
DATE: 5/17/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20474.3			
SHEET 10 OF 11			

R:\Clients\HM Sure Rock Permanent\A - Florida Product Approvals\FL-20474\C - Drawings\FL-20474 (2020)\FL-20474.3.dwg, 11.3

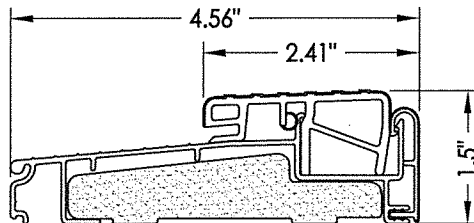
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" 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	-



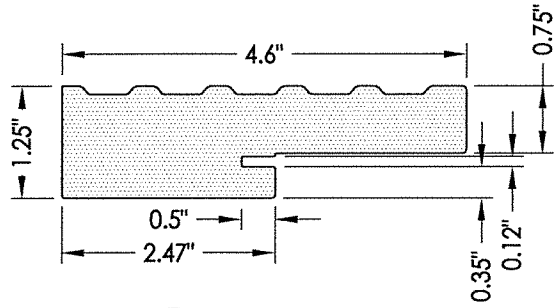
30 **ULTIMATE HURRICANE ASTRAGAL**
ENDURA



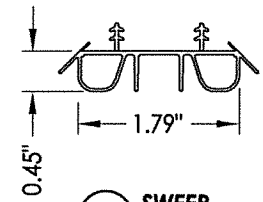
13 **INSWING THRESHOLD**
ENDURA (Z-SERIES)



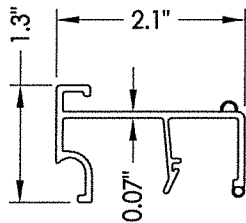
14 **OUTSWING THRESHOLD**
ENDURA (Z-SERIES)



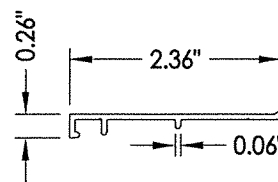
1 **FRAME**
SURE JAMB



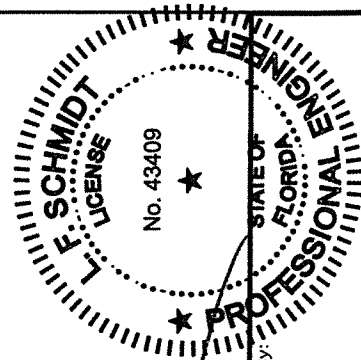
8 **SWEEP**



18 **INSWING SIDELITE SPACER**



19 **OUTSWING SIDELITE SPACER**



8/04/2020

Documents Prepared By:
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PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		BILL OF MATERIALS & COMPONENTS	
REVISIONS			
NO.	DATE	DESCRIPTION	BY
2	8/04/20	UPDATE TO 7TH ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL	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-20474.3			
SHEET 11 OF 11			