



SURE ROCK OPAQUE FIBERGLASS ENTRY DOORS

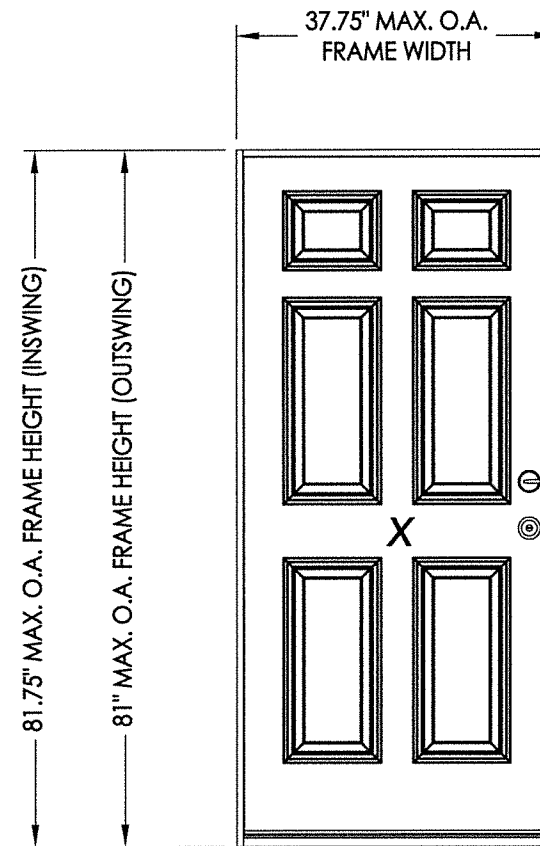
INSWING / OUTSWING "NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 5th Edition (2014) 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 Section 1609.1.2 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.

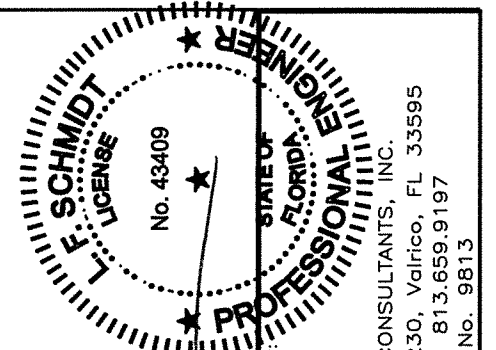
TABLE OF CONTENTS

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



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.75" x 81.75"	+90.0	-90.0	+90.0	-90.0

See Sheet 2 for Hardware Design Pressure Limitations



Documents Prepared By:
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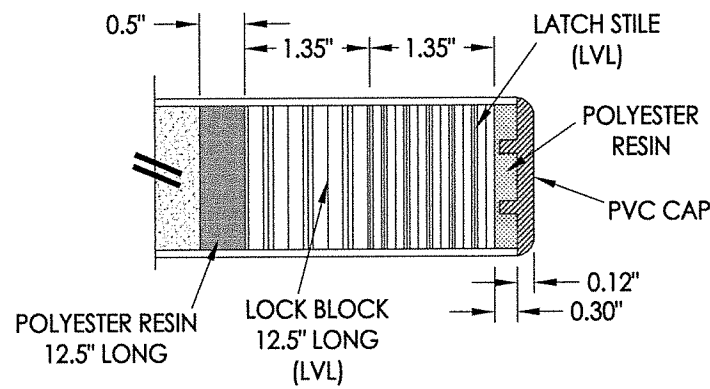
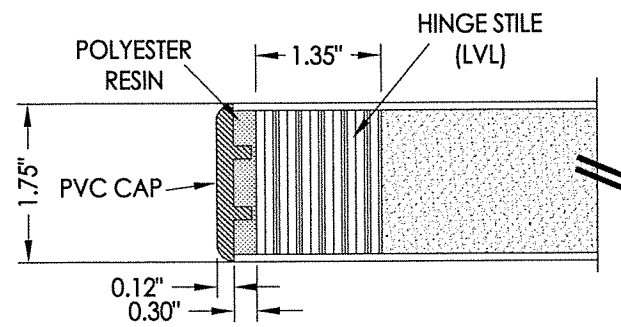
R.W.
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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FBPE C.A. No. 9813

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

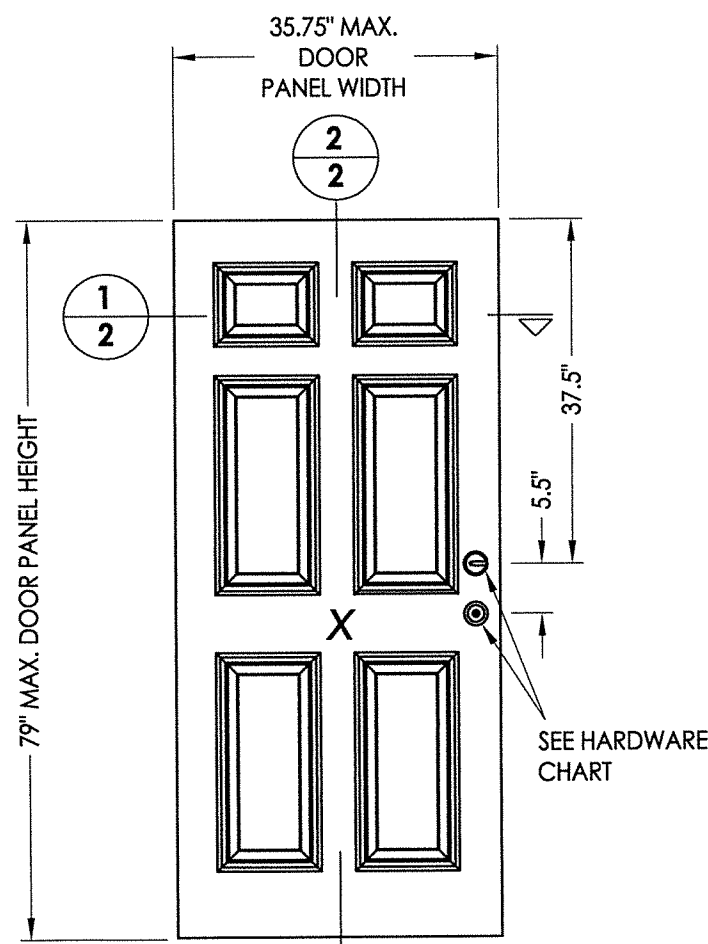
NO.	DATE	BY	REVISIONS

DATE: 5/17/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-20474.1
SHEET 1 OF 8

R:\Clients\HM Sure Rock PERMANENTVA - Florida Product Approvals\FL-20474\C - Drawings\FL-20474 (2014)\FL-20474.1-3.dwg, 2.1



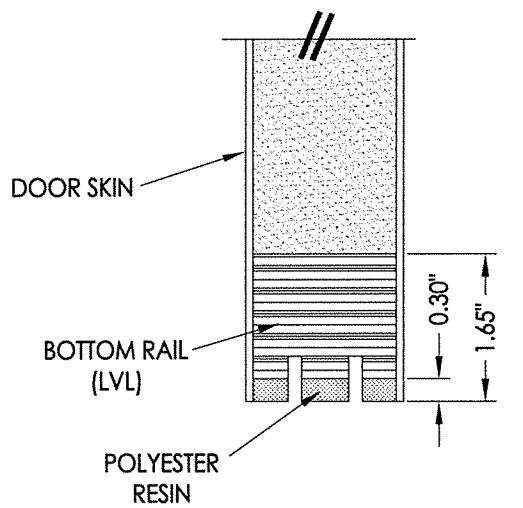
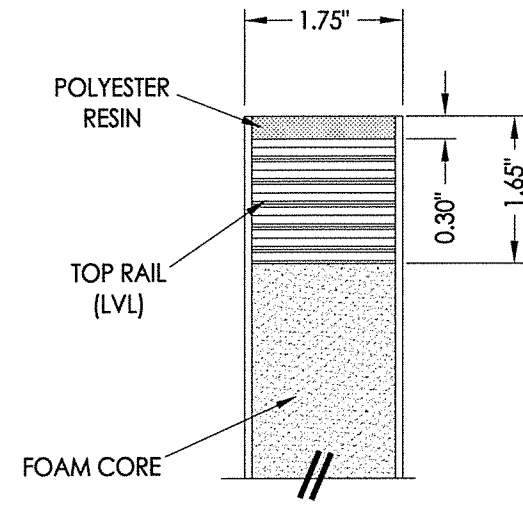
1
2 HORIZONTAL CROSS SECTION



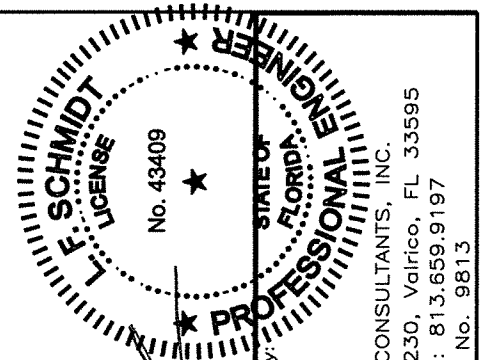
40 DOOR PANEL

HARDWARE TABLE			
MANUFACTURER	MODEL		MAX. DESIGN PRESSURE
KWIKSET	KNOB:	Signature Series	± 90 PSF
	DEADBOLT:	Signature Series (980)	
SCHLAGE	KNOB:	F Series (F51)	± 60 PSF
	DEADBOLT:	B Series (B60N)	

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



2
2 VERTICAL CROSS SECTION



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6-6-16

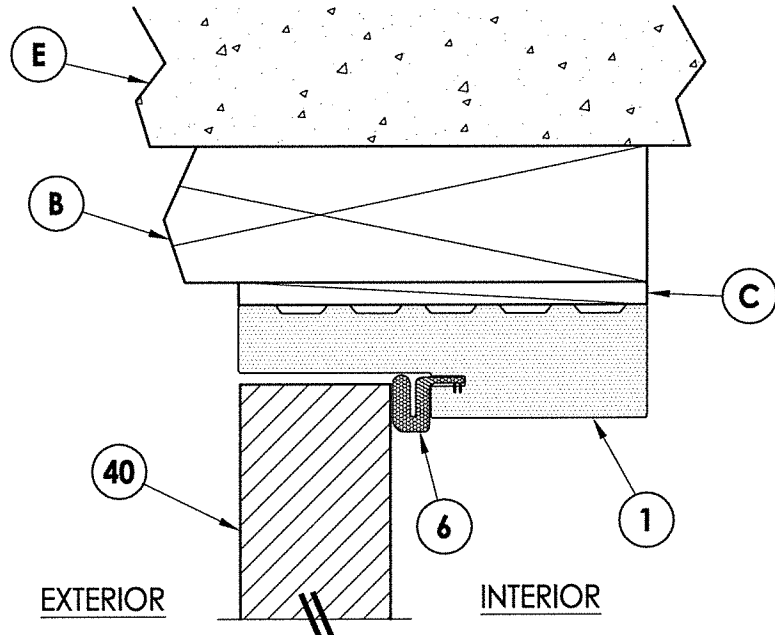
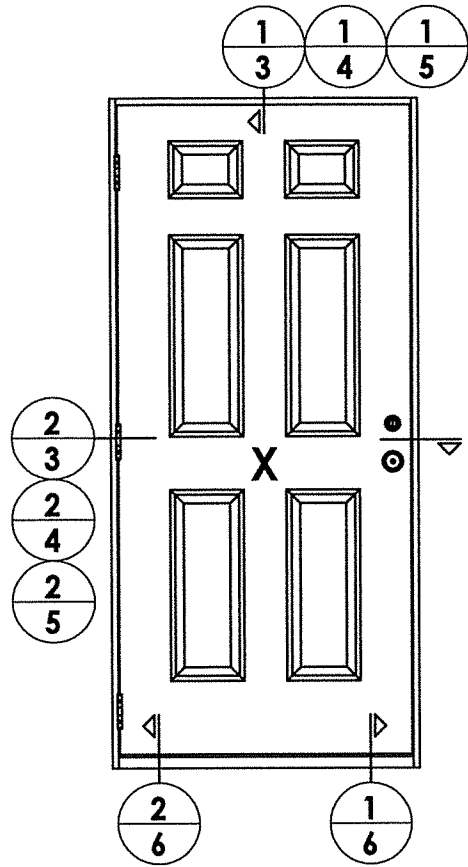
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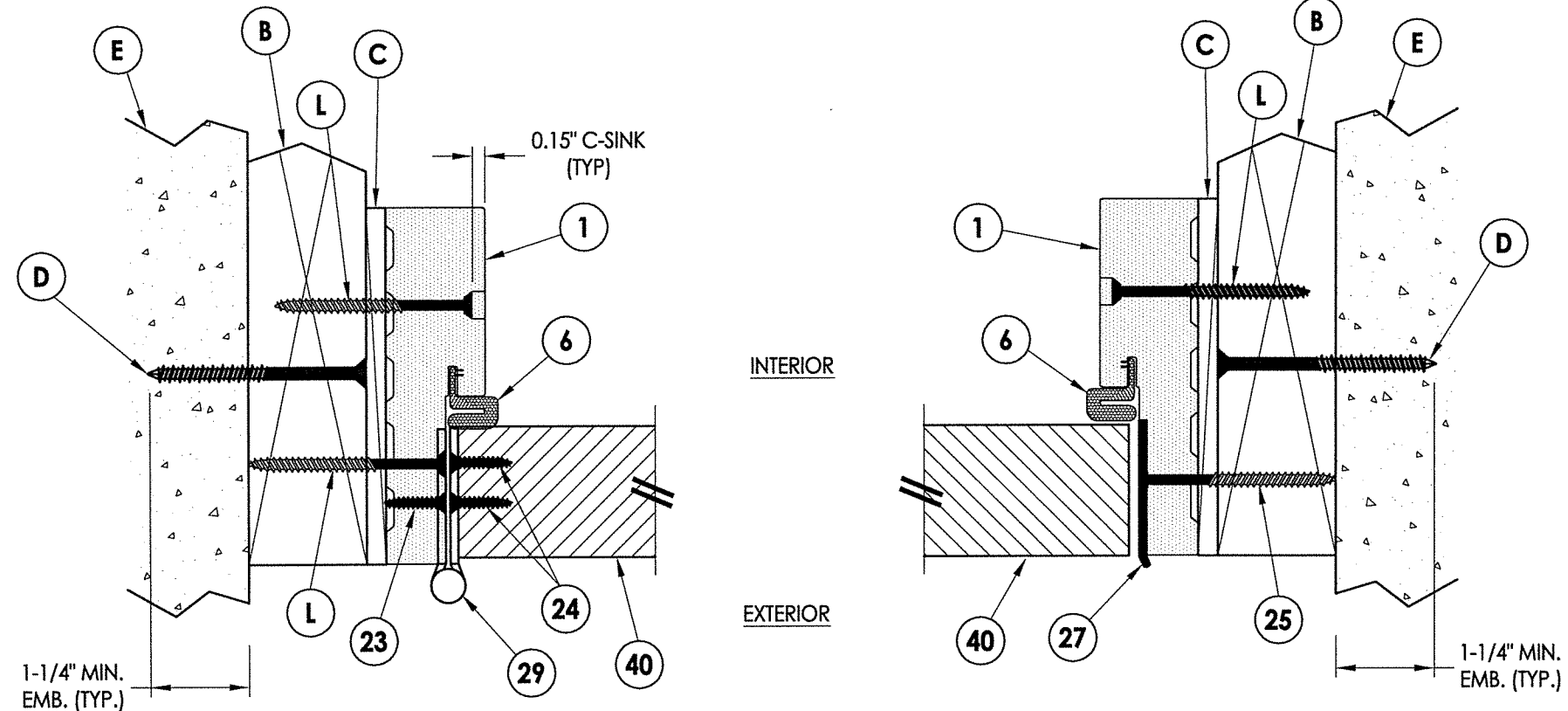
PRODUCT:	SURE ROCK FIBERGLASS DOORS
PART OR ASSEMBLY:	DOOR PANEL DETAILS

NO.	DATE	BY	REVISIONS

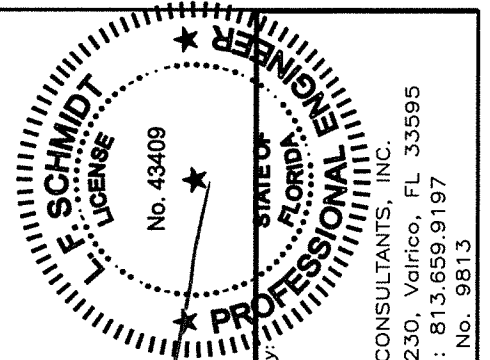
DATE:	5/17/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-20474.1
SHEET	2 OF 8



1 VERTICAL CROSS SECTION
 3 Outswing shown (Inswing similar)



2 HORIZONTAL CROSS SECTION
 3 Outswing shown (Inswing similar)



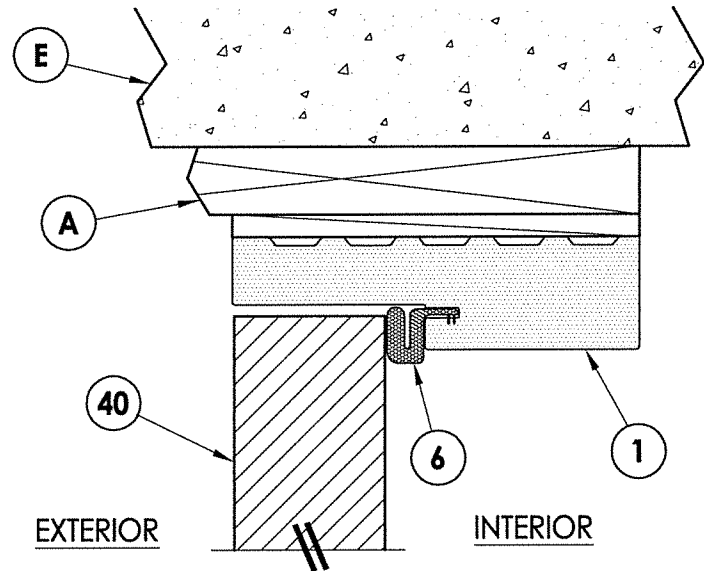
LFS
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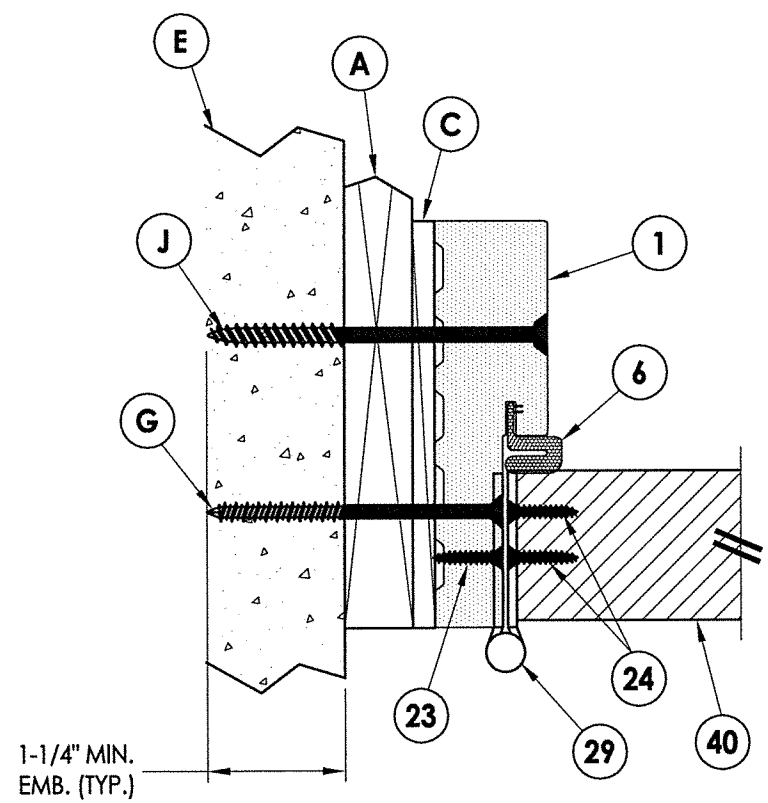
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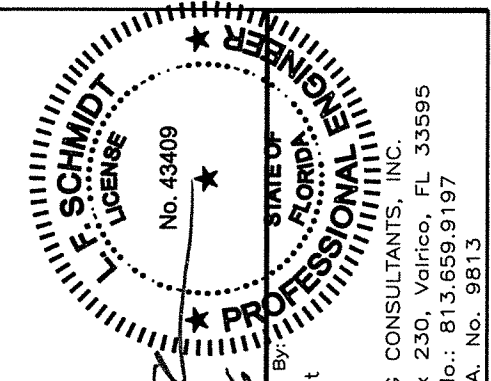
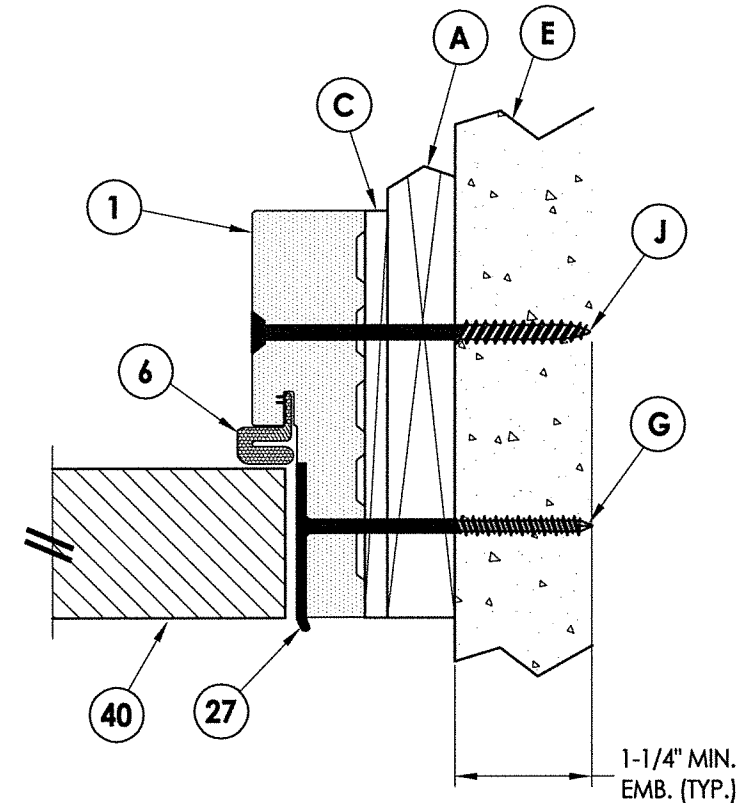
PRODUCT:	SURE ROCK FIBERGLASS DOORS		
PART OR ASSEMBLY:	HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)		
DATE:	5/17/16		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	FL-20474.1		
SHEET	3 OF 8		
NO.	DATE	BY	REVISIONS



1 VERTICAL CROSS SECTION
 4 Outswing shown (Inswing similar)



2 HORIZONTAL CROSS SECTION
 4 Outswing shown (Inswing similar)



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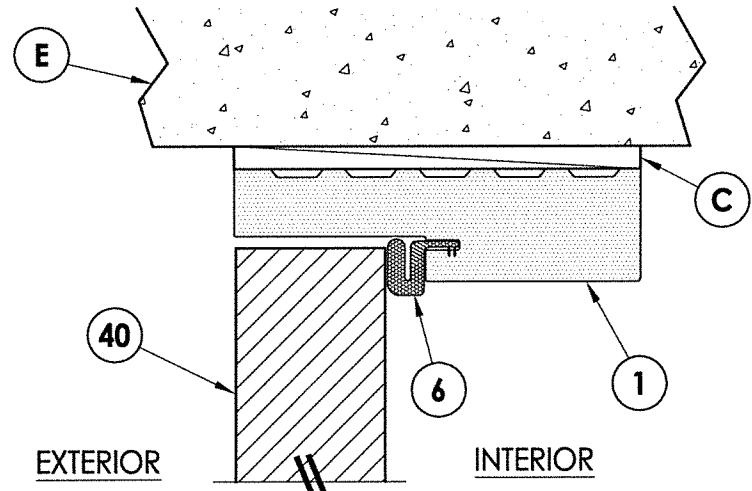
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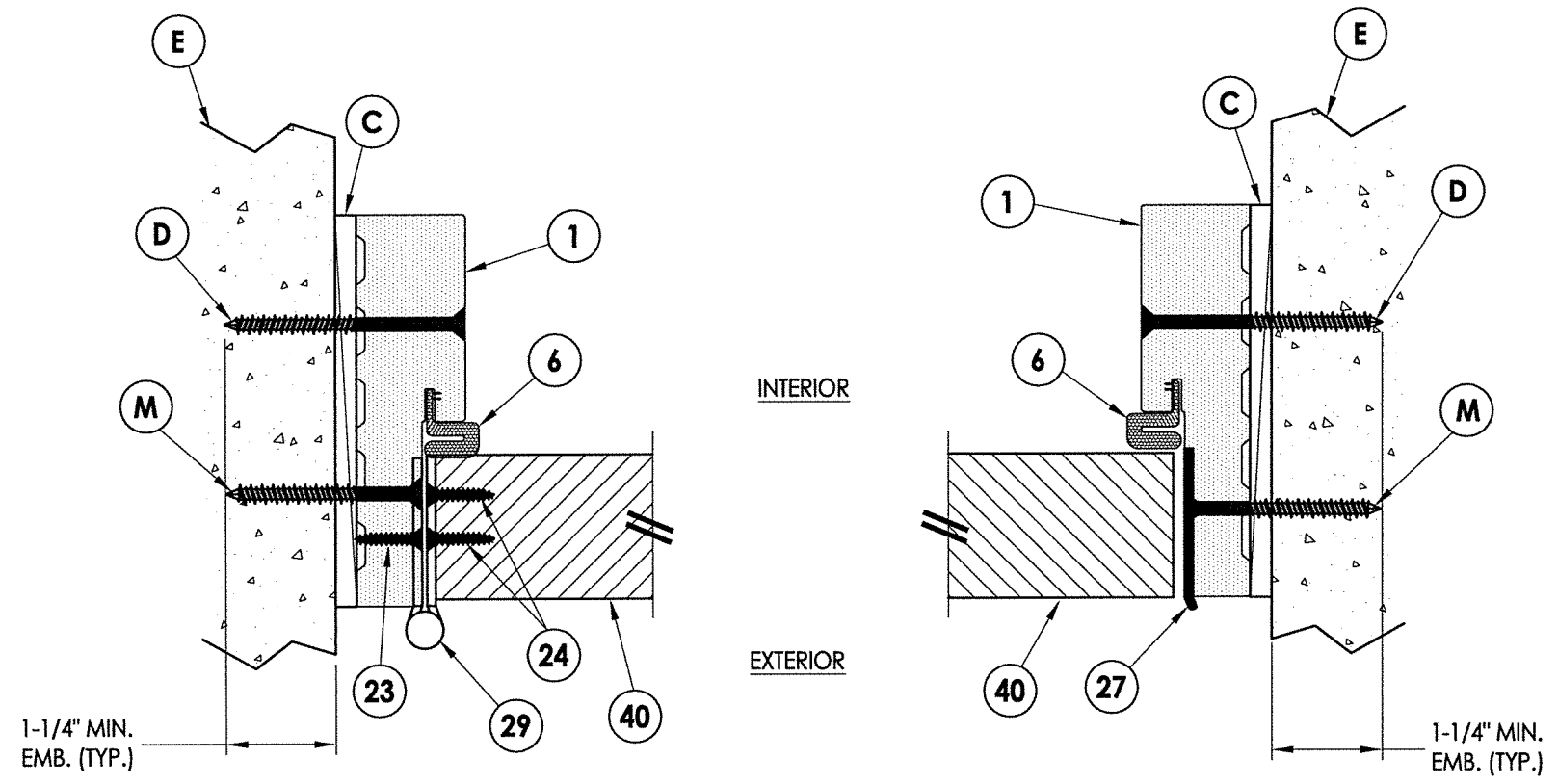
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

NO.	DATE	BY	REVISIONS

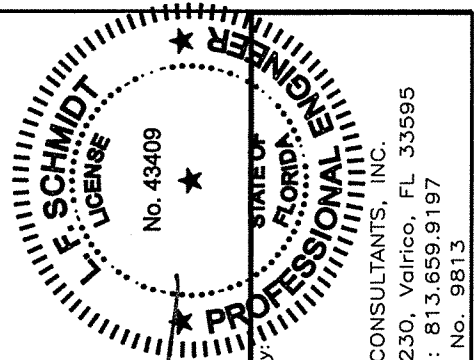
DATE: 5/17/16
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: FL-20474.1
 SHEET 4 OF 8



1 VERTICAL CROSS SECTION
5 Outswing shown (Inswing similar)



2 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)



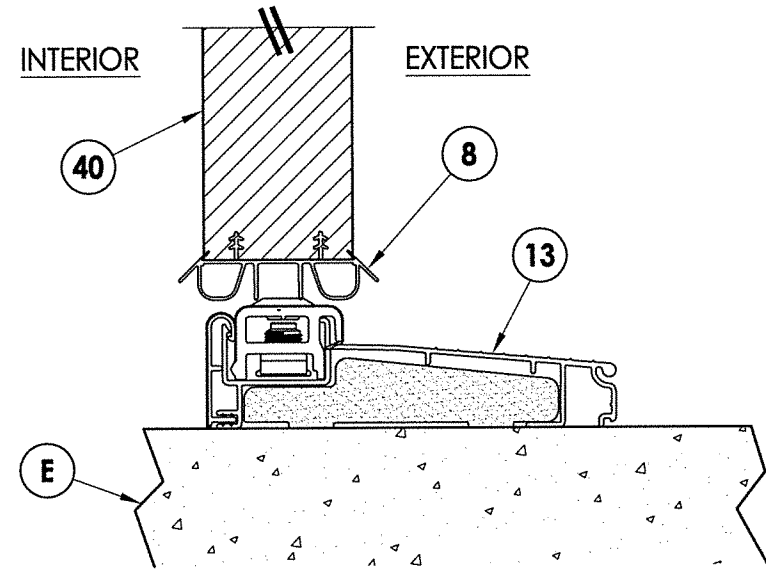
LFS
G.B.R.

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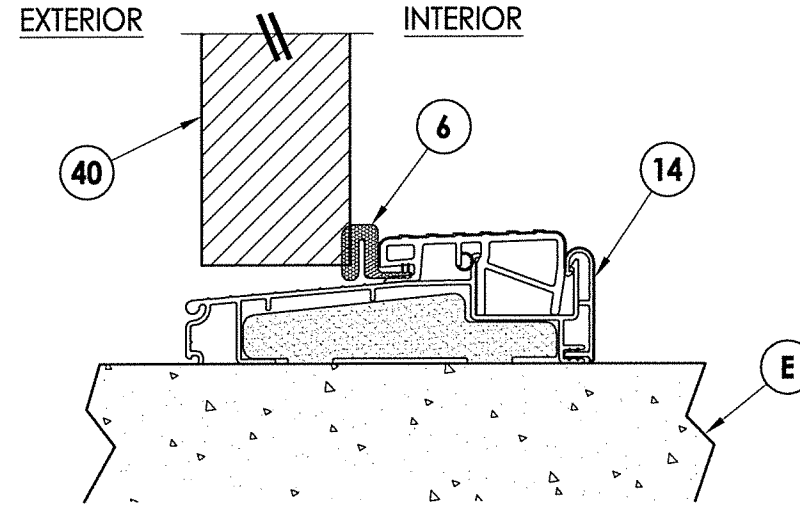
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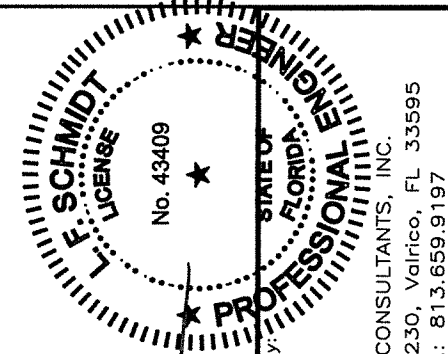
PRODUCT: SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	
NO.	DATE
BY	
REVISIONS	
DATE: 5/17/16	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-20474.1	
SHEET 5 OF 8	



1 VERTICAL CROSS SECTION
6 Inswing Threshold



2 VERTICAL CROSS SECTION
6 Outswing Threshold

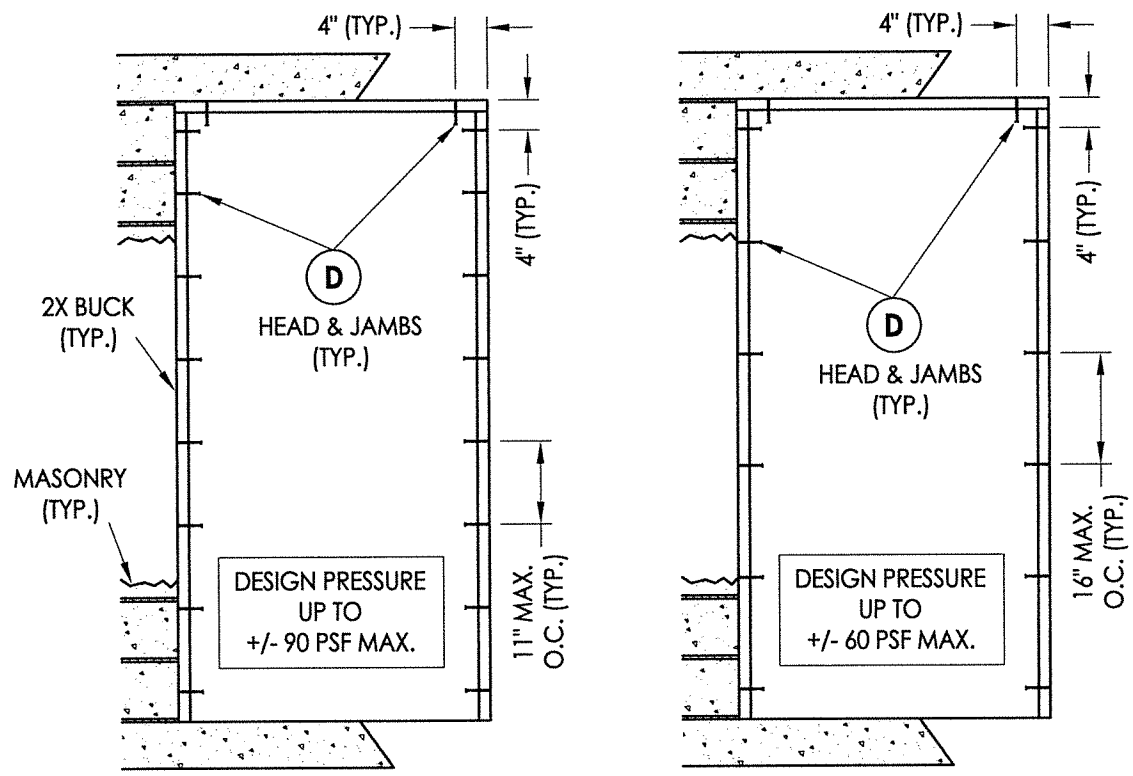


LFS
G.G.C.

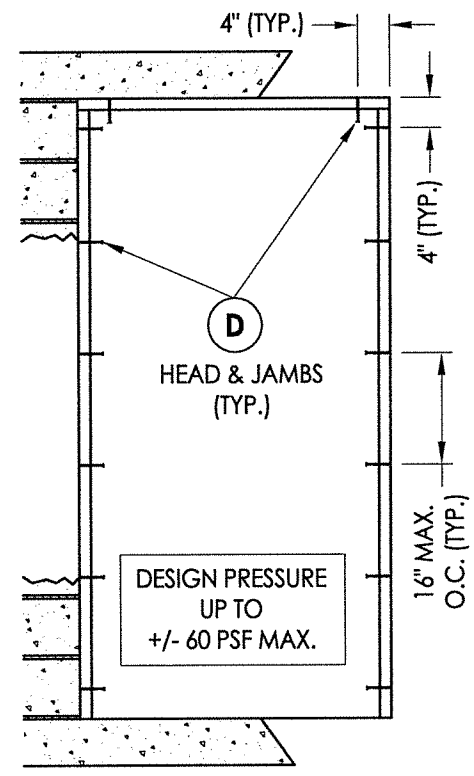
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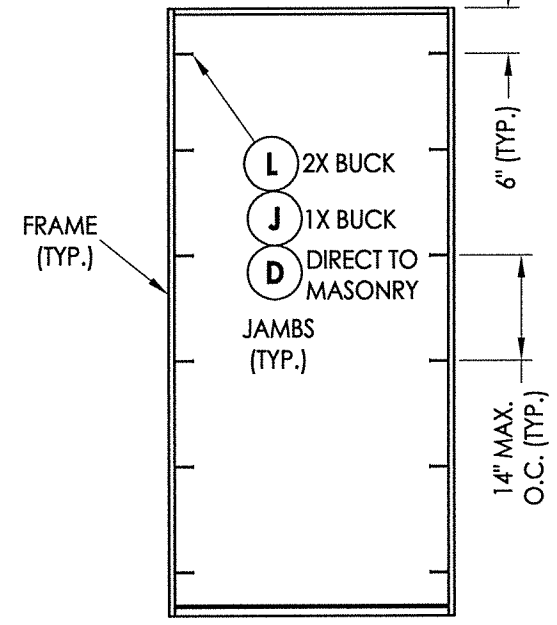
PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS (THRESHOLDS)	
NO.	DATE	BY	
REVISIONS			
DATE: 5/17/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20474.1			
SHEET 6 OF 8			



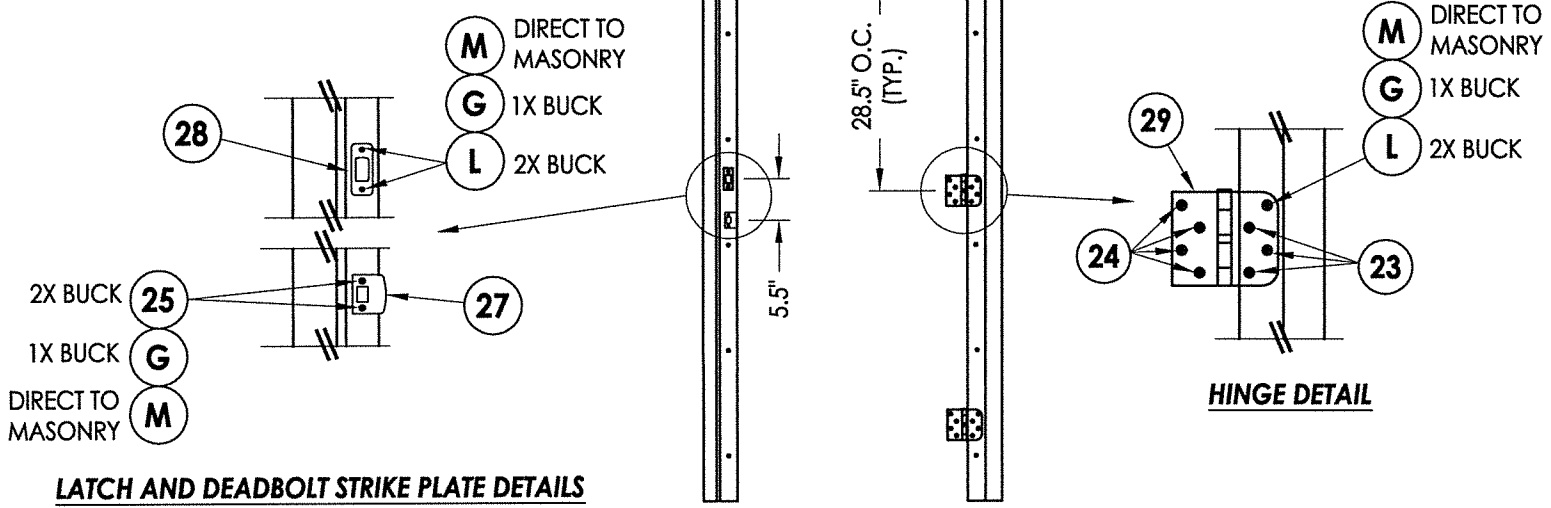
X
2X BUCK ANCHORING



X
2X BUCK ANCHORING



X
FRAME ANCHORING



LATCH AND DEADBOLT STRIKE PLATE DETAILS

STRIKE JAMB

HINGE JAMB

HINGE DETAIL

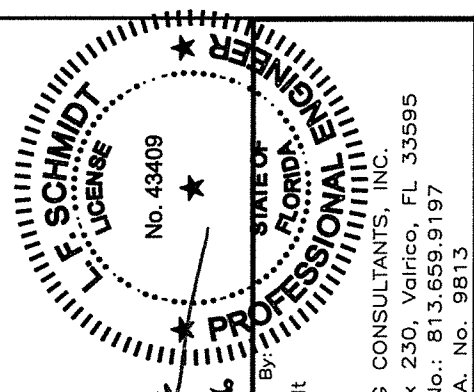
CONCRETE ANCHOR NOTES:

- 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"
ELCO 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.



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PRODUCT: SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY: BUCK & FRAME ANCHORING	
NO.	DATE

DATE: 5/17/16

SCALE: N.T.S.

DWG. BY: JK

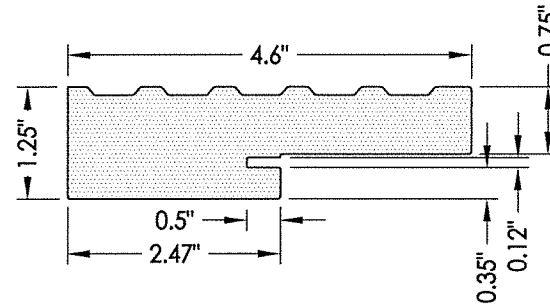
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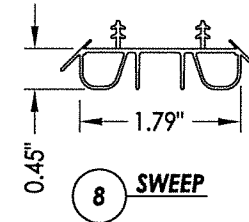
SHEET 7 OF 8

BILL OF MATERIALS

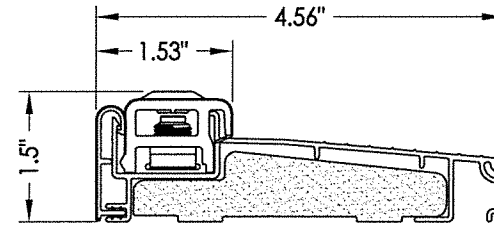
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ELCO 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
1	FRAME (SURE JAMB)	COMP
6	WEATHERSTRIP (Q-LON)	FOAM
8	SWEEP	VINYL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
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	-



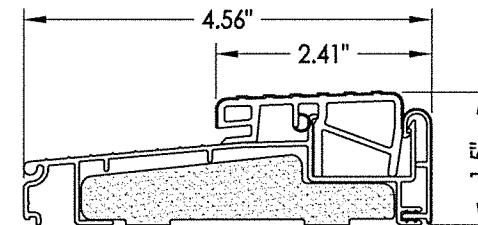
1 FRAME
Sure Jamb



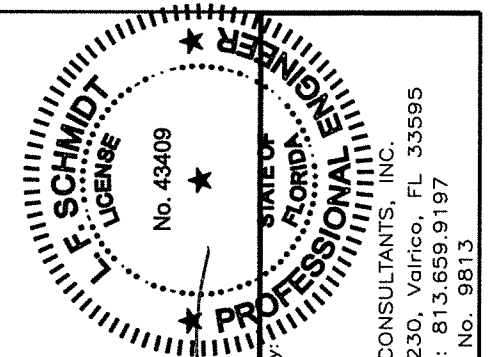
8 SWEEP



13 INSWING THRESHOLD
ENDURA (Z-SERIES)



14 OUTSWING THRESHOLD
ENDURA (Z-SERIES)



LFS
6.6.16

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

NO.	DATE	BY	REVISIONS

DATE: 5/17/16
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DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-20474.1
SHEET 8 OF 8