



SURE ROCK OPAQUE FIBERGLASS ENTRY DOORS

INSWING / OUTSWING "NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 6th Edition (2017) 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.

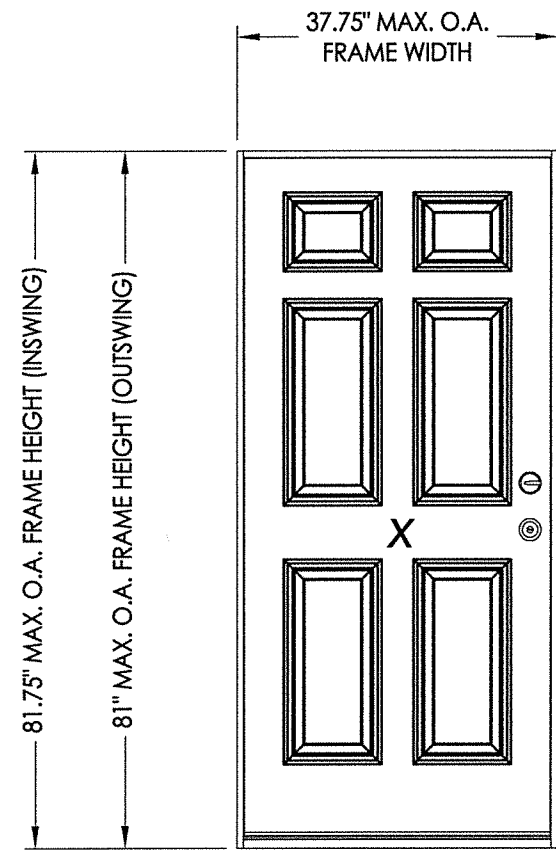
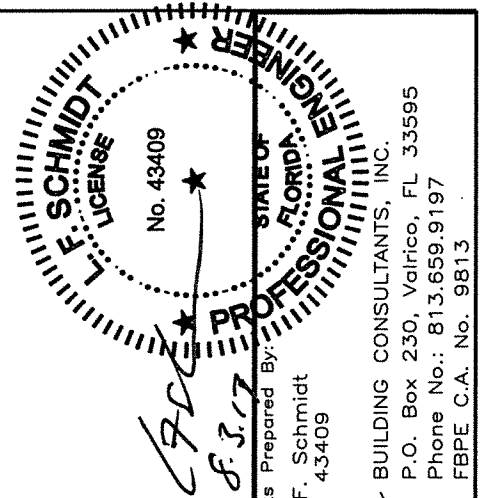


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CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.75" x 81.75"	+90.0	-90.0	+90.0	-90.0

See Sheet 2 for Hardware Design Pressure Limitations



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PRODUCT: SURE ROCK FIBERGLASS DOORS

PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

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

DATE: 5/17/16

SCALE: N.T.S.

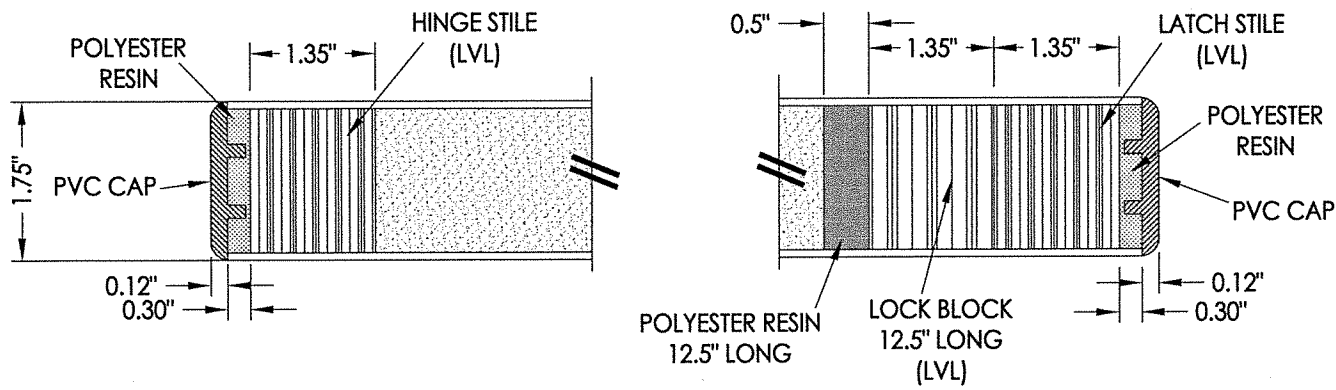
DWG. BY: JK

CHK. BY: LFS

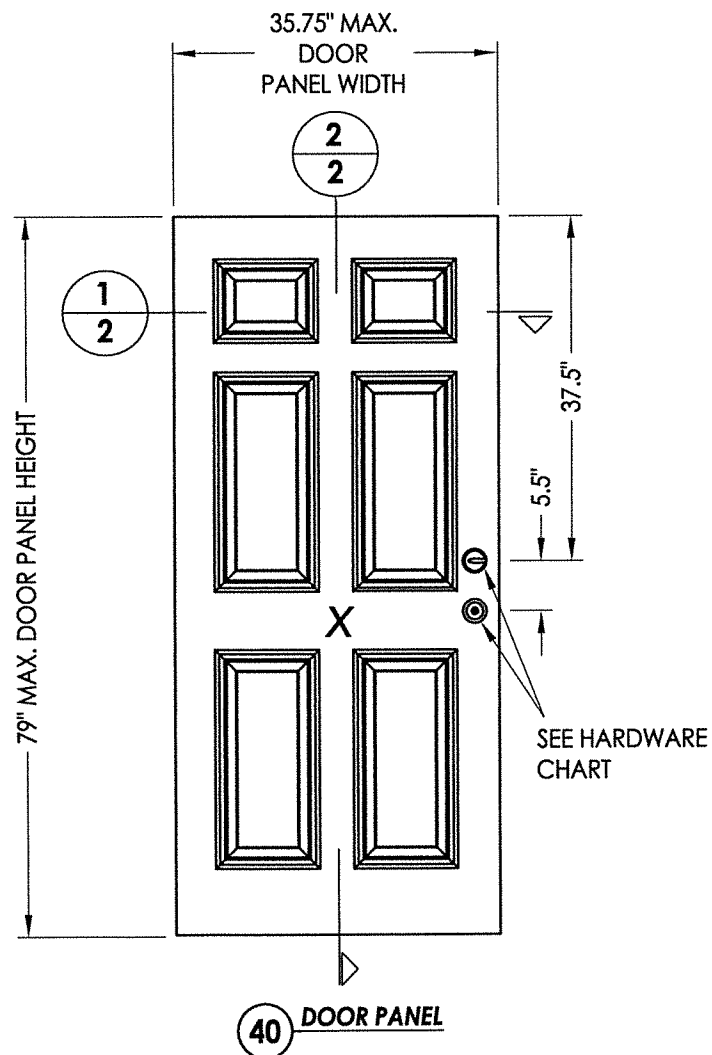
DRAWING NO.: FL-20474.1

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



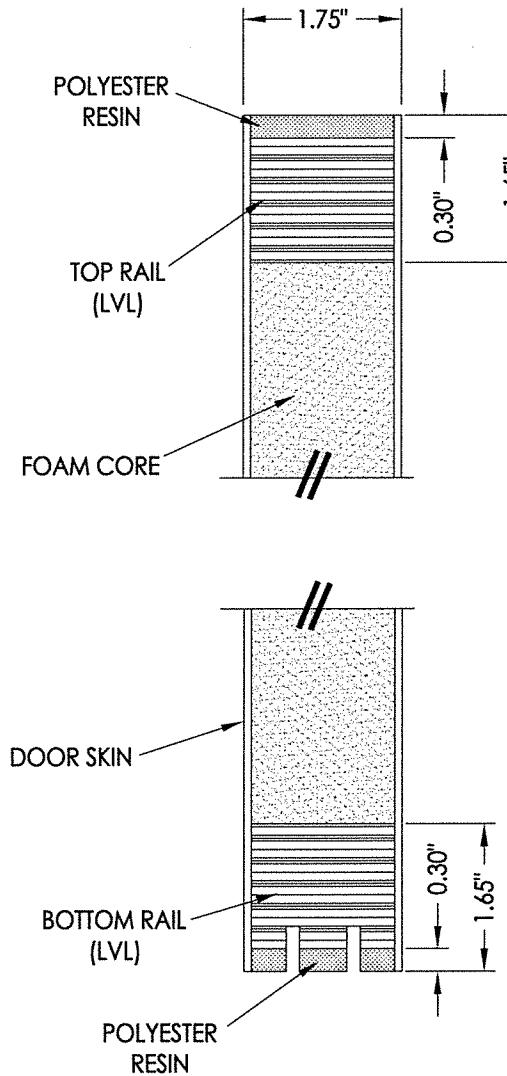
1 HORIZONTAL CROSS SECTION



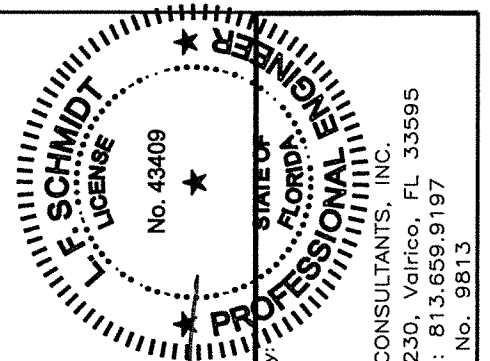
40 DOOR PANEL

HARDWARE TABLE			MAX. DESIGN PRESSURE
MANUFACTURER	MODEL		
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.)

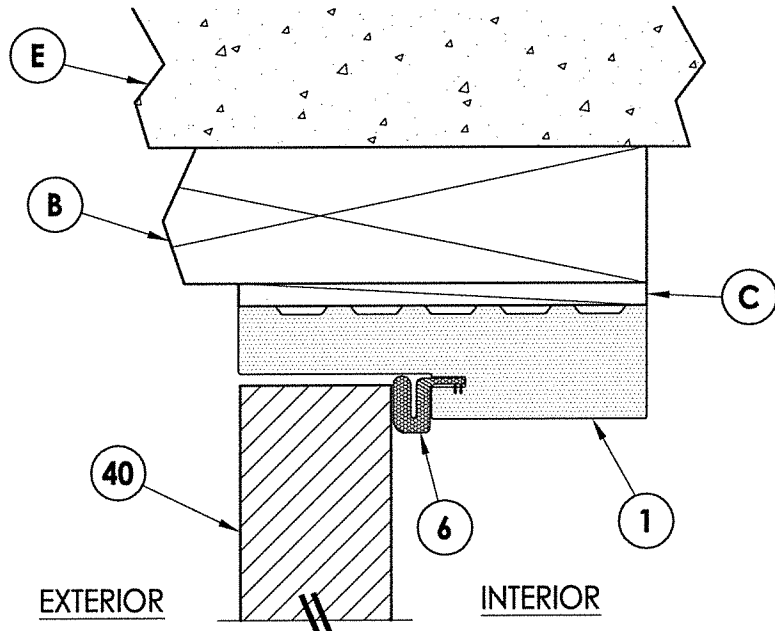
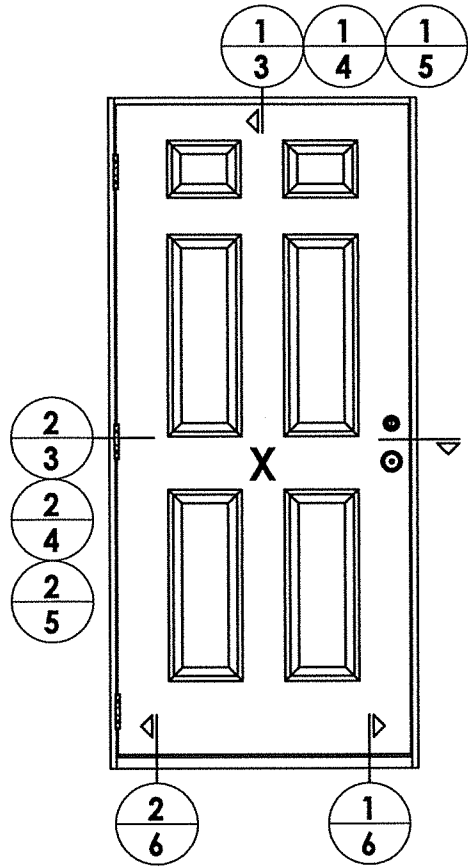


2 VERTICAL CROSS SECTION

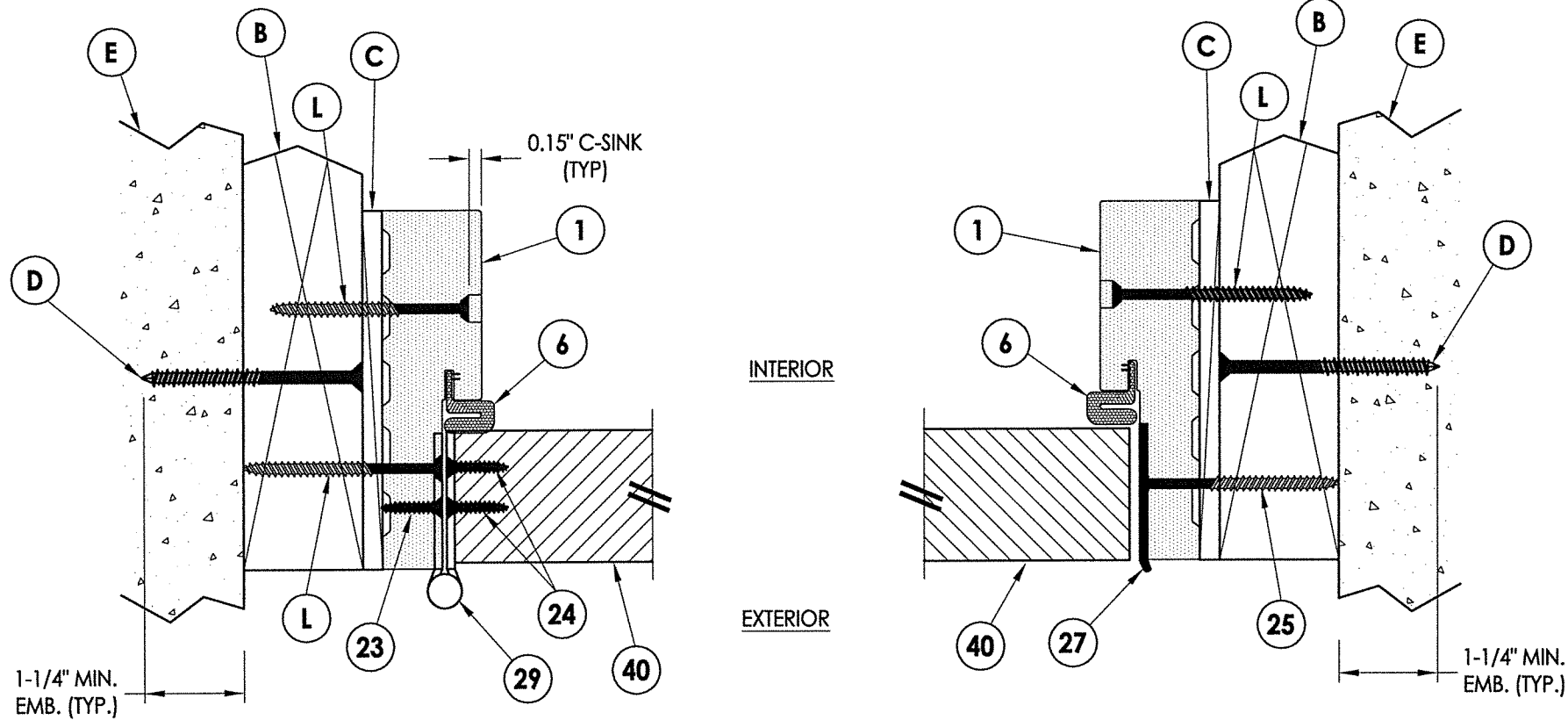


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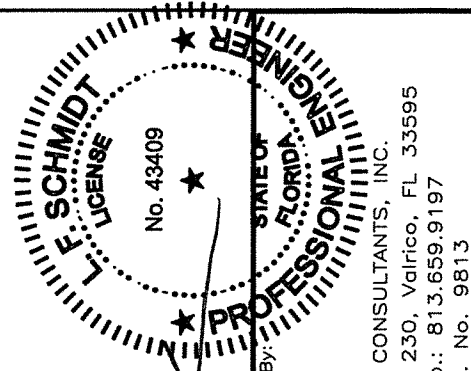
PRODUCT:	SURE ROCK FIBERGLASS DOORS
PART OR ASSEMBLY:	DOOR PANEL DETAILS
DATE:	5/17/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-20474.1
SHEET	2 of 8



1 VERTICAL CROSS SECTION
3 Outswing shown (Inswing similar)



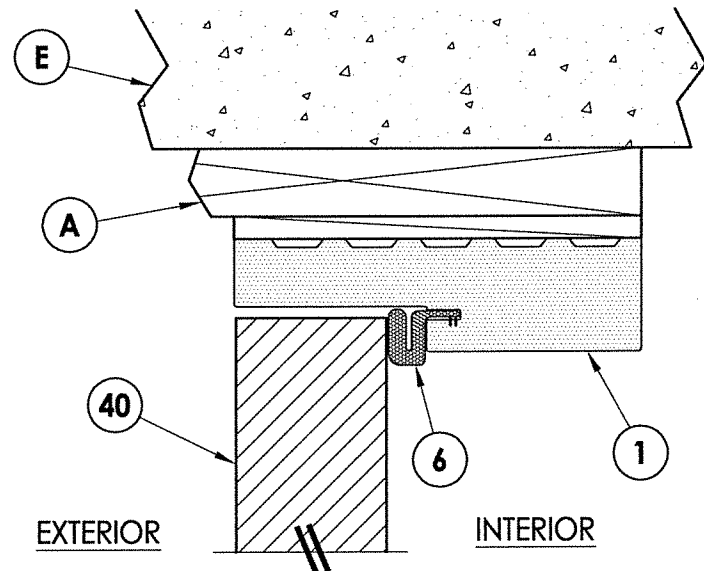
2 HORIZONTAL CROSS SECTION
3 Outswing shown (Inswing similar)



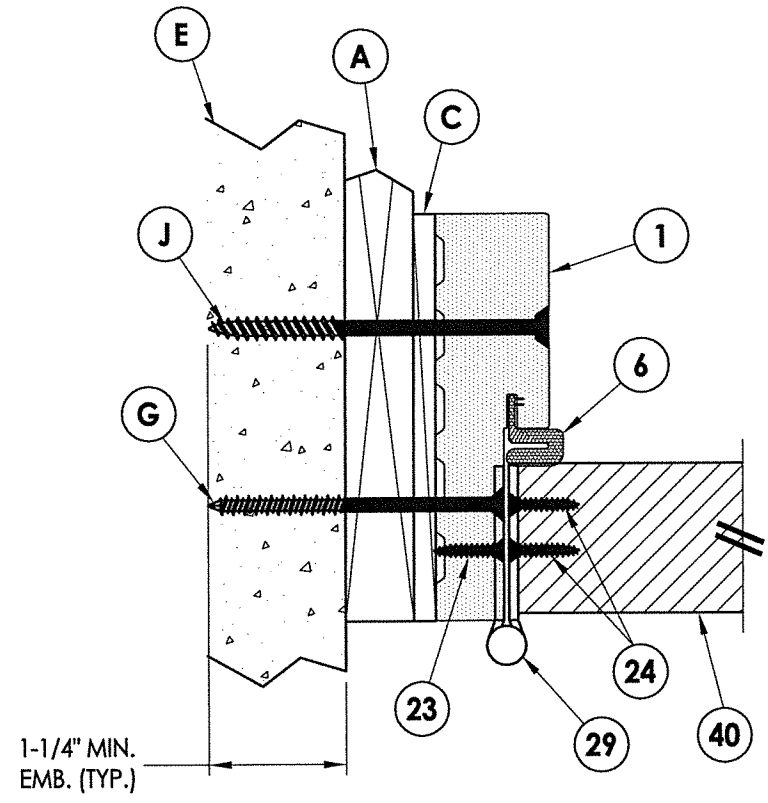
Documents Prepared By: *LFS*
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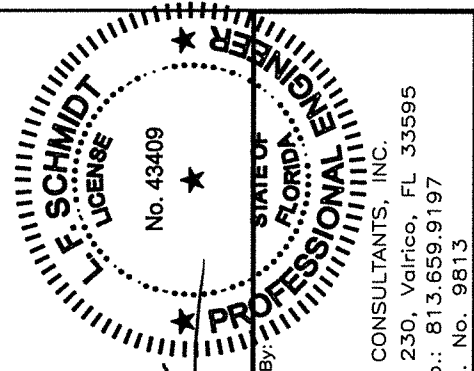
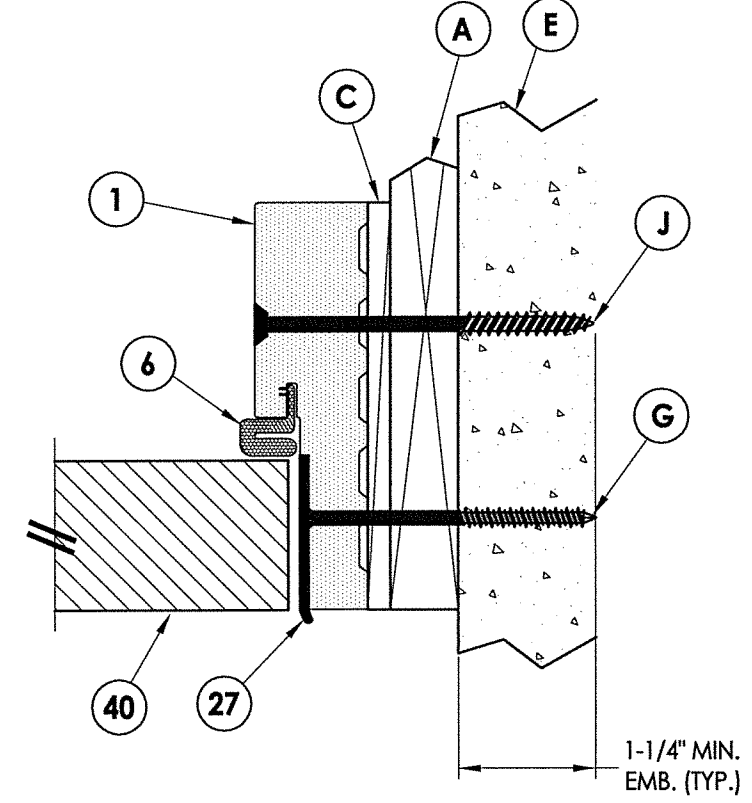
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PART OR ASSEMBLY:	HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
DATE:	5/17/16	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	FL-20474.1	
SHEET	3 OF 8	
NO.	DATE	BY
1	8/03/17	UPDATE TO 6TH ED. (2017) FBC
		LFS
		BY
		REVISIONS



1 VERTICAL CROSS SECTION
 4 Outswing shown (Inswing similar)



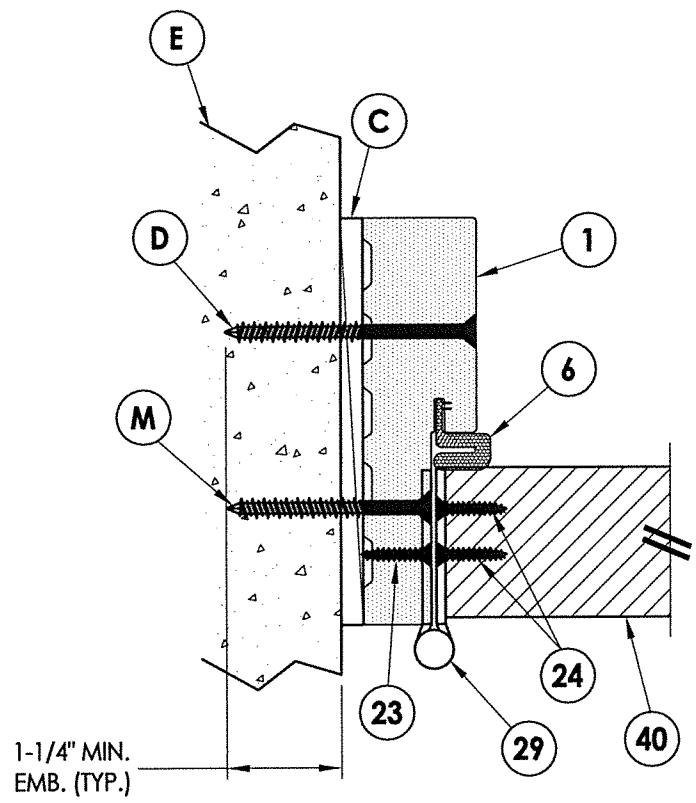
2 HORIZONTAL CROSS SECTION
 4 Outswing shown (Inswing similar)



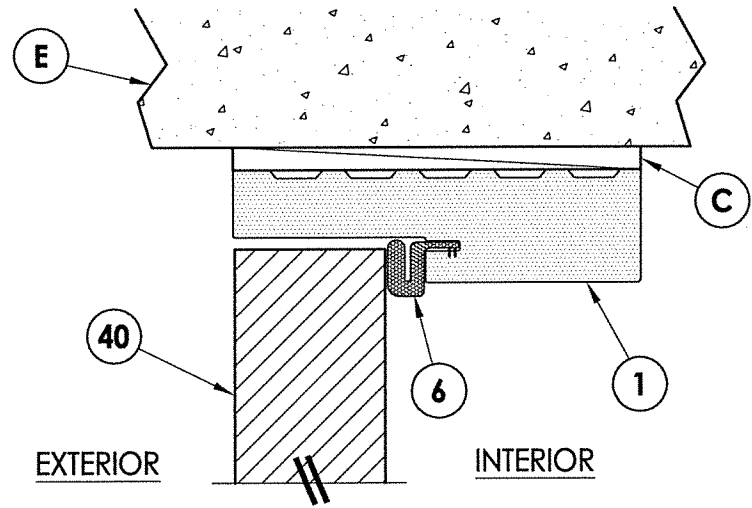
LFS
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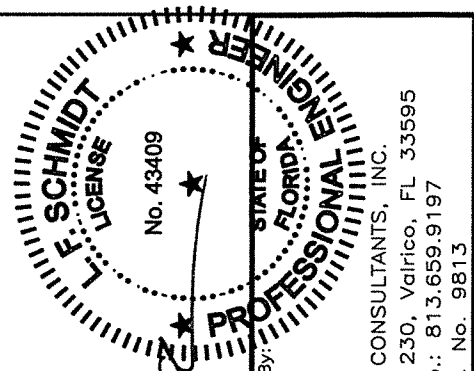
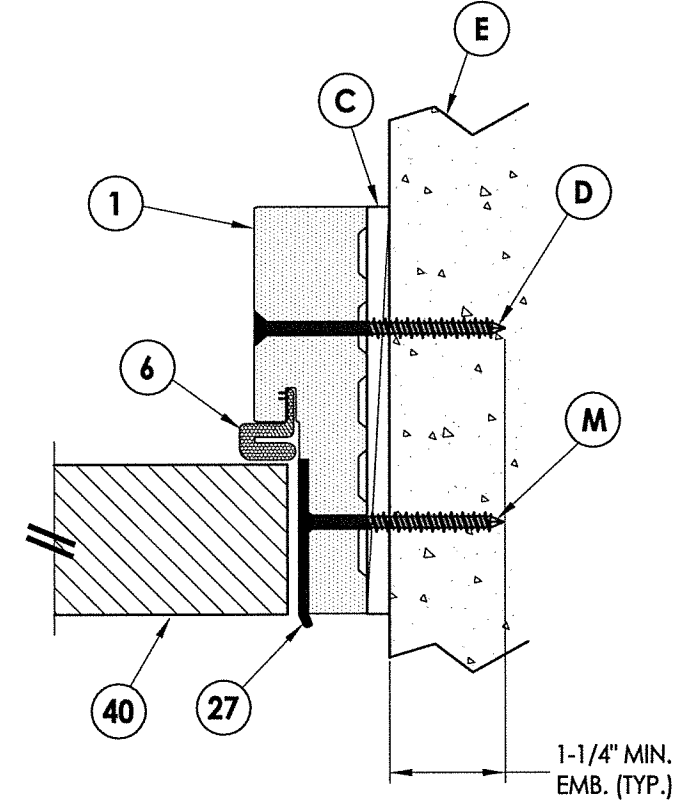
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PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
NO.	DATE	BY	REVISIONS
1	8/03/17	LFS	UPDATE TO 6TH ED. (2017)
		FBC	
		BY	
DATE:		5/17/16	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-20474.1	
SHEET		4 OF 8	



2 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)



1 VERTICAL CROSS SECTION
5 Outswing shown (Inswing similar)

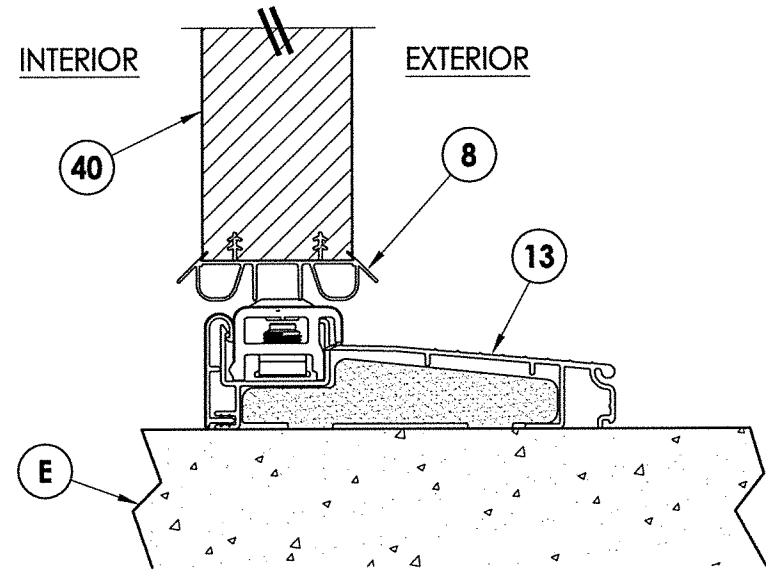


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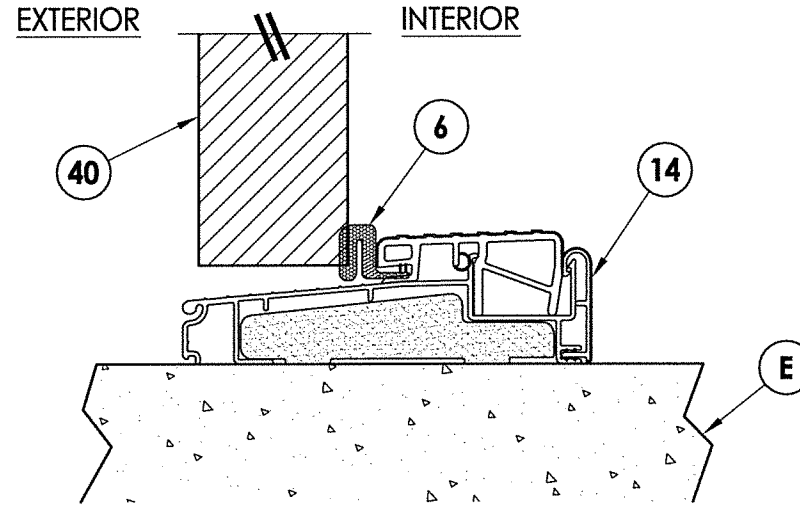
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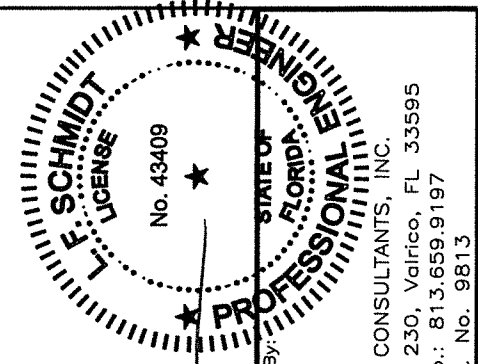
PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	
NO.	DATE	BY	REVISIONS
1	8/03/17	UPDATE TO 6TH ED. (2017) FBC	LFS
			BY
DATE:		5/17/16	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-20474.1	
SHEET		5 OF 8	



1 VERTICAL CROSS SECTION
6 Inswing Threshold



2 VERTICAL CROSS SECTION
6 Outswing Threshold



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PRODUCT:
 SURE ROCK
 FIBERGLASS DOORS

PART OR ASSEMBLY:
 VERTICAL CROSS
 SECTIONS (THRESHOLDS)

NO.	DATE	DESCRIPTION	BY
1	8/03/17	UPDATE TO 6TH ED. (2017) FBC	LFS

REVISIONS

DATE: 5/17/16

SCALE: N.T.S.

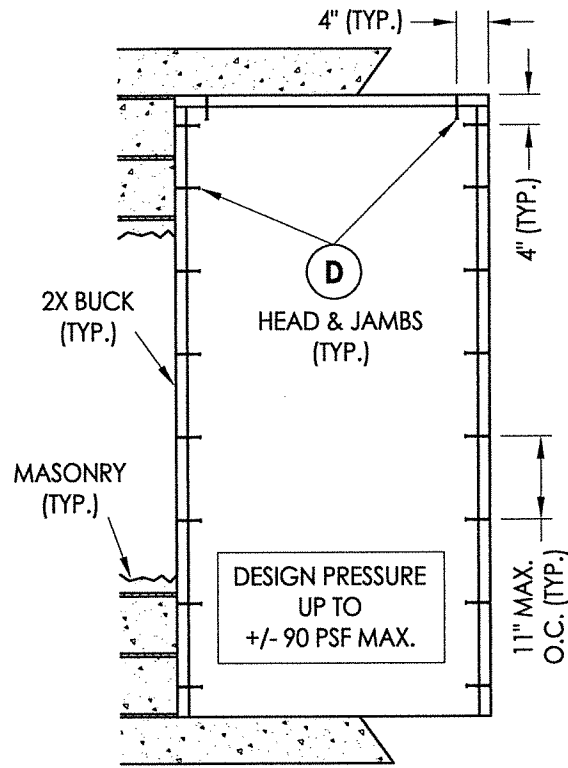
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CHK. BY: LFS

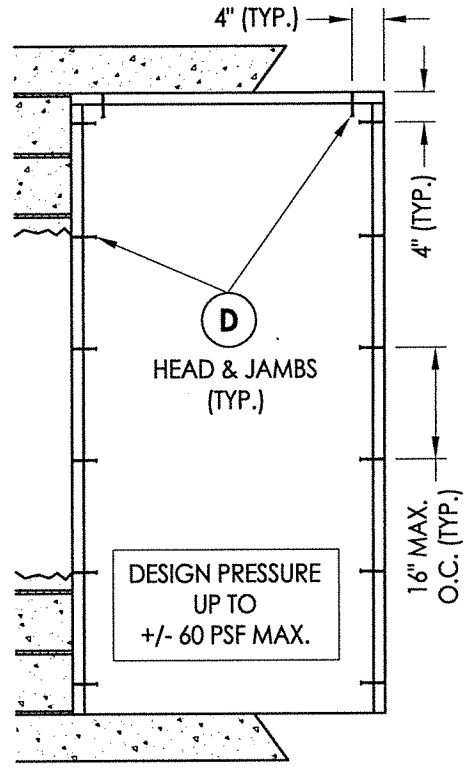
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FL-20474.1

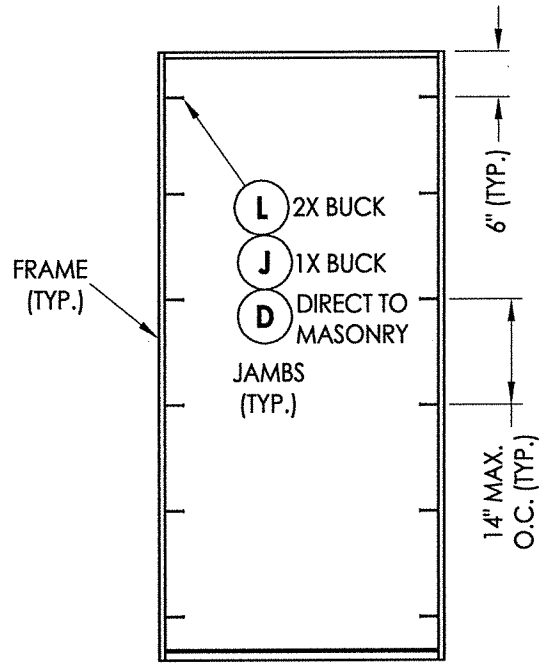
SHEET 6 OF 8



X
2X BUCK ANCHORING



X
2X BUCK ANCHORING



X
FRAME ANCHORING

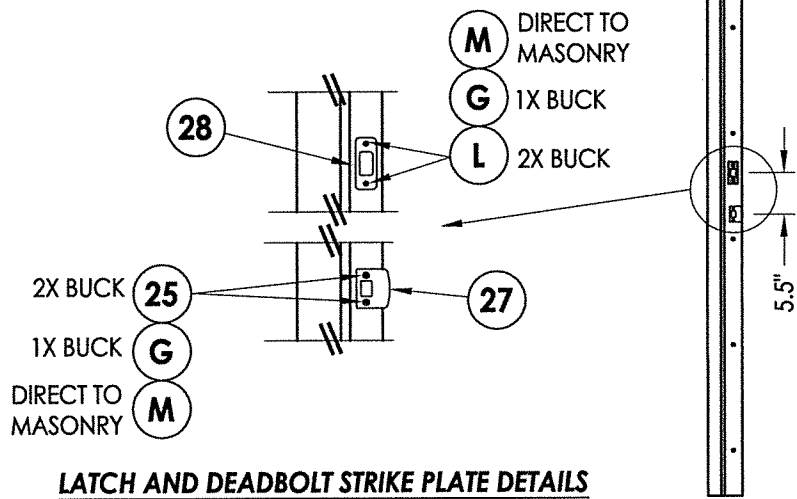
CONCRETE ANCHOR NOTES:

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

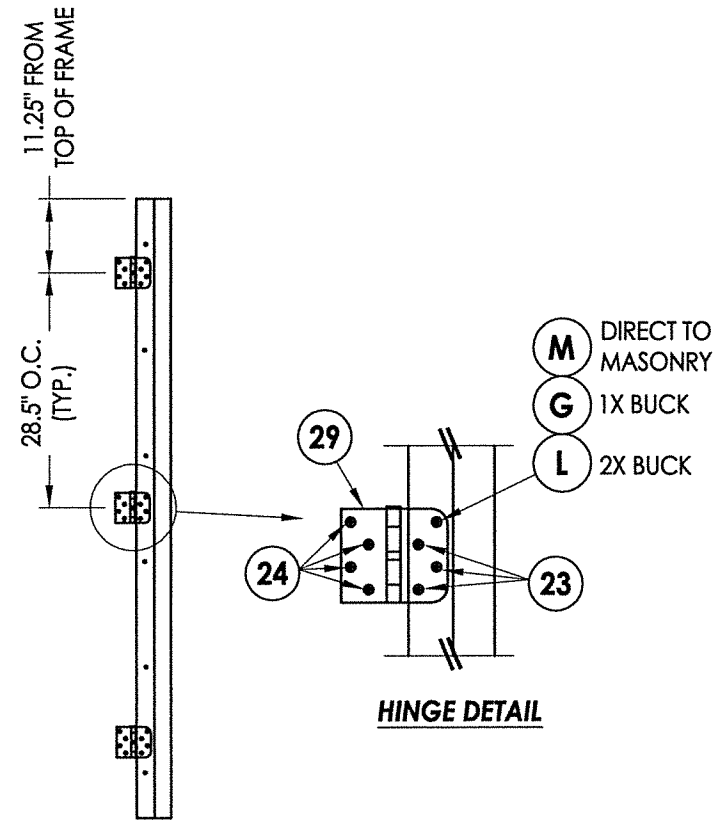
WOOD SCREW INSTALLATION NOTES:

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



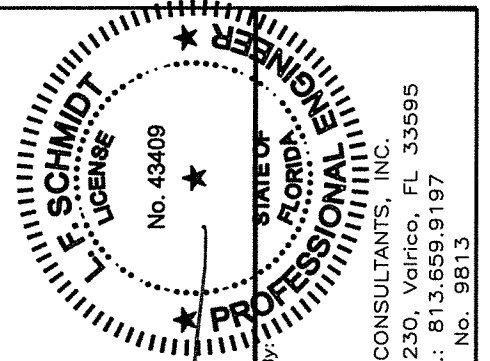
LATCH AND DEADBOLT STRIKE PLATE DETAILS

STRIKE JAMB



HINGE DETAIL

HINGE JAMB

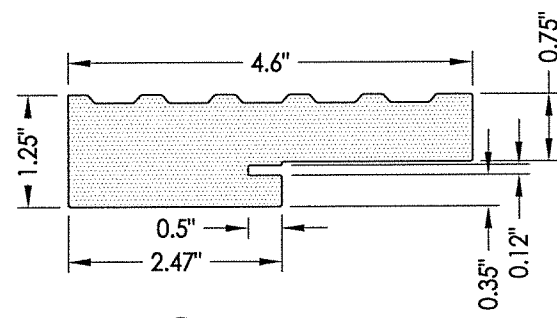


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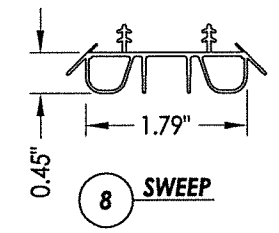
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PRODUCT:	SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:	BUCK & FRAME ANCHORING	
DATE:	5/17/16	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	FL-20474.1	
SHEET	7 OF 8	
NO.	DATE	BY
1	8/03/17	UPDATE TO 6TH ED. (2017) FBC
		LFS
		BY
		REVISIONS

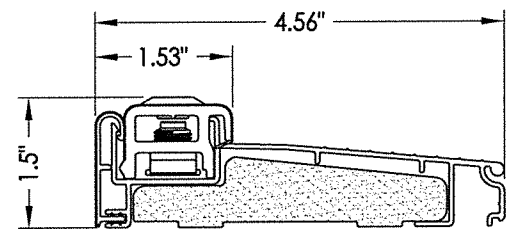
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" 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	-



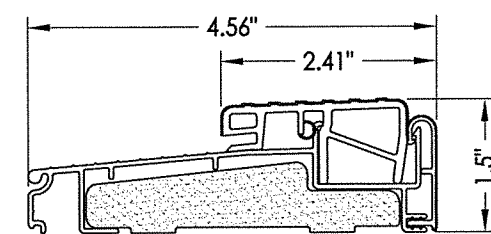
1 FRAME
Sure Jamb



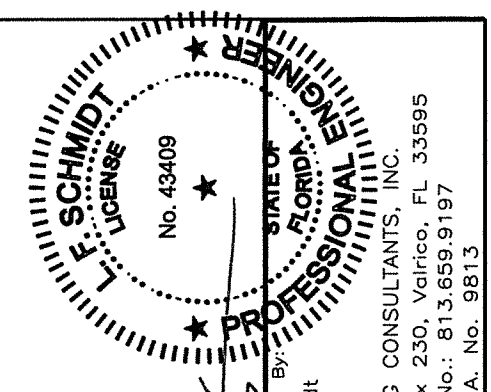
8 SWEEP



13 INSWING THRESHOLD
ENDURA (Z-SERIES)



14 OUTSWING THRESHOLD
ENDURA (Z-SERIES)



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

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

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