



# SURE ROCK OPAQUE FIBERGLASS ENTRY DOORS

## INSWING / OUTSWING "NON-IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

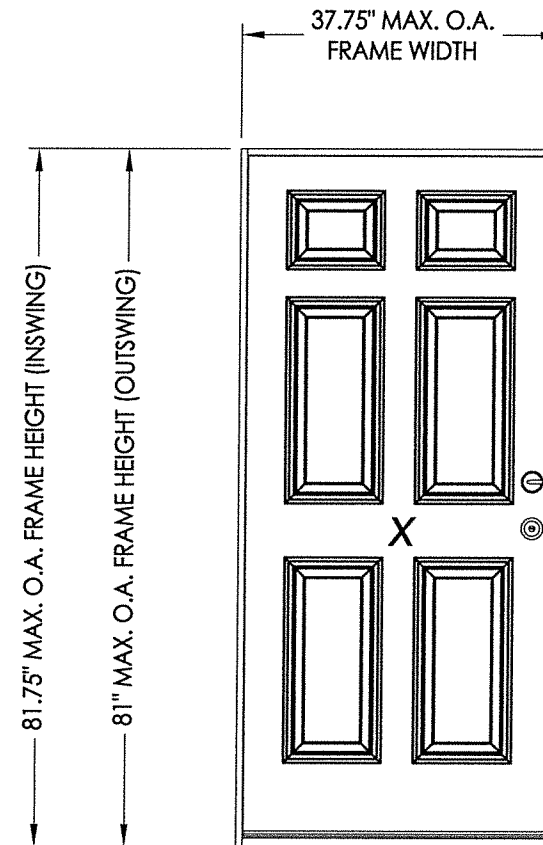
**TDI DR-835**

The Fiberglass Door system described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. 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 R301.2.1.2 of the IRC and Section 1609.1.2 of the IBC.
3. Allowable design pressure requirements must be equal to or less than the design pressure rating shown in the design pressure chart, sheet 1 of this drawing.
4. Conditions not covered by this drawing are subject to further engineering analysis.

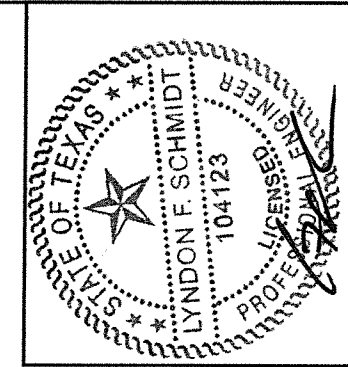
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CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.75" x 81.75"	+90.0	-90.0	+90.0	-90.0

See Sheet 2 for Hardware Design Pressure Limitations



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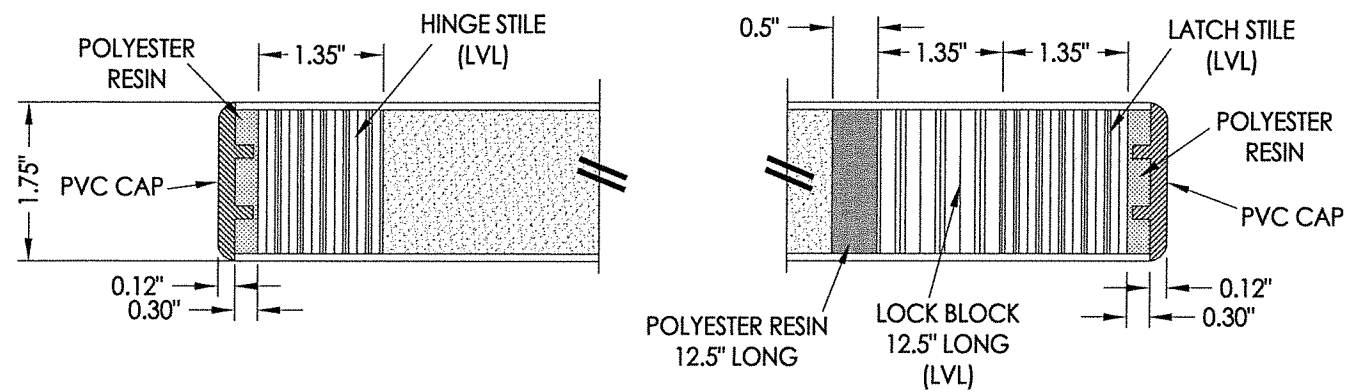
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL 33595  
Phone No.: 813.659.9197  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

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

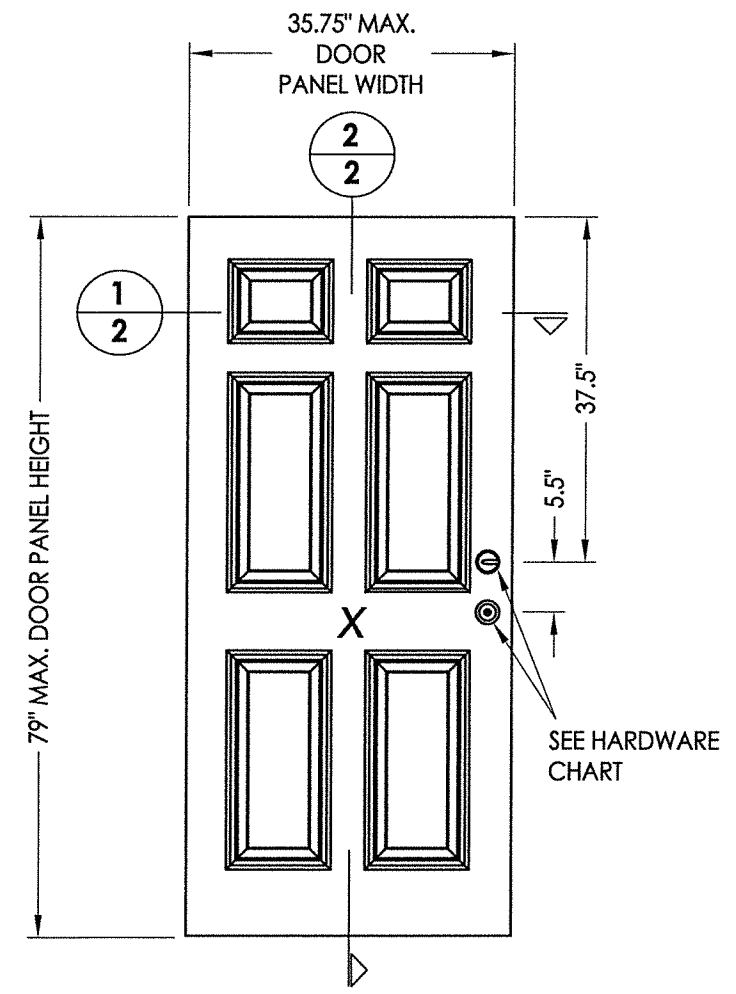
NO.	DATE	REVISIONS
1	7/09/20	UPDATE TO 2018 IBC/IRC CODE

DATE: 1/09/17  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4818  
SHEET 1 OF 6

R:\Clients\HM Sure Rock PERMANENT\B - Texas Dept of Ins\DR-835 - 6'8 Fiberglass Non-Impact Door - Opaque\C - Drawings\TX-4818-20.dwg, 2.1

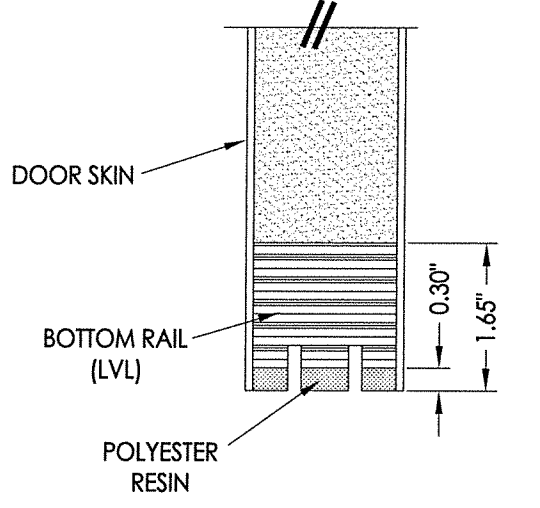
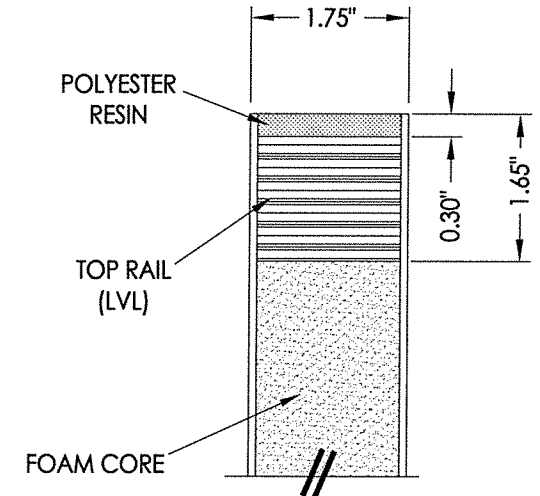


1 HORIZONTAL CROSS SECTION  
2

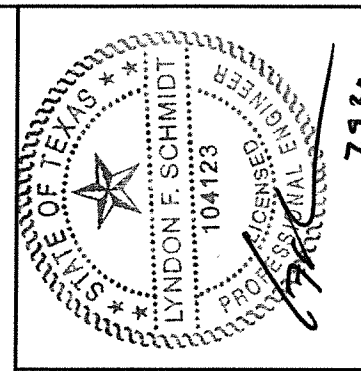


40 DOOR PANEL

HARDWARE TABLE		
MANUFACTURER	MODEL	MAX. DESIGN PRESSURE
KWIKSET	KNOB: Signature Series	± 90 PSF
	DEADBOLT: Signature Series (980)	
SCHLAGE	KNOB: F Series (F51)	± 55 PSF
	DEADBOLT: B Series (B60N)	



2 VERTICAL CROSS SECTION  
2



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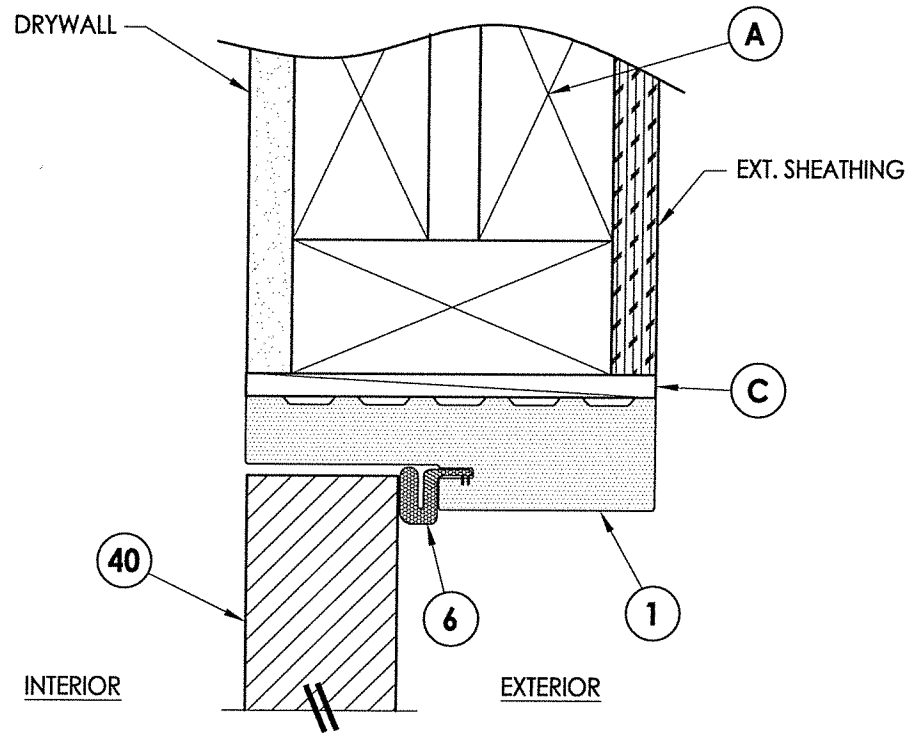
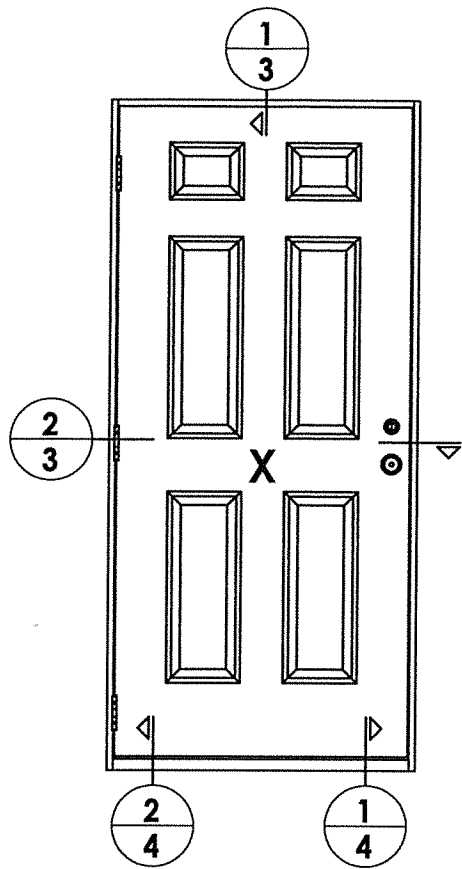
PRODUCT: SURE ROCK FIBERGLASS DOORS

PART OR ASSEMBLY: DOOR PANEL DETAILS

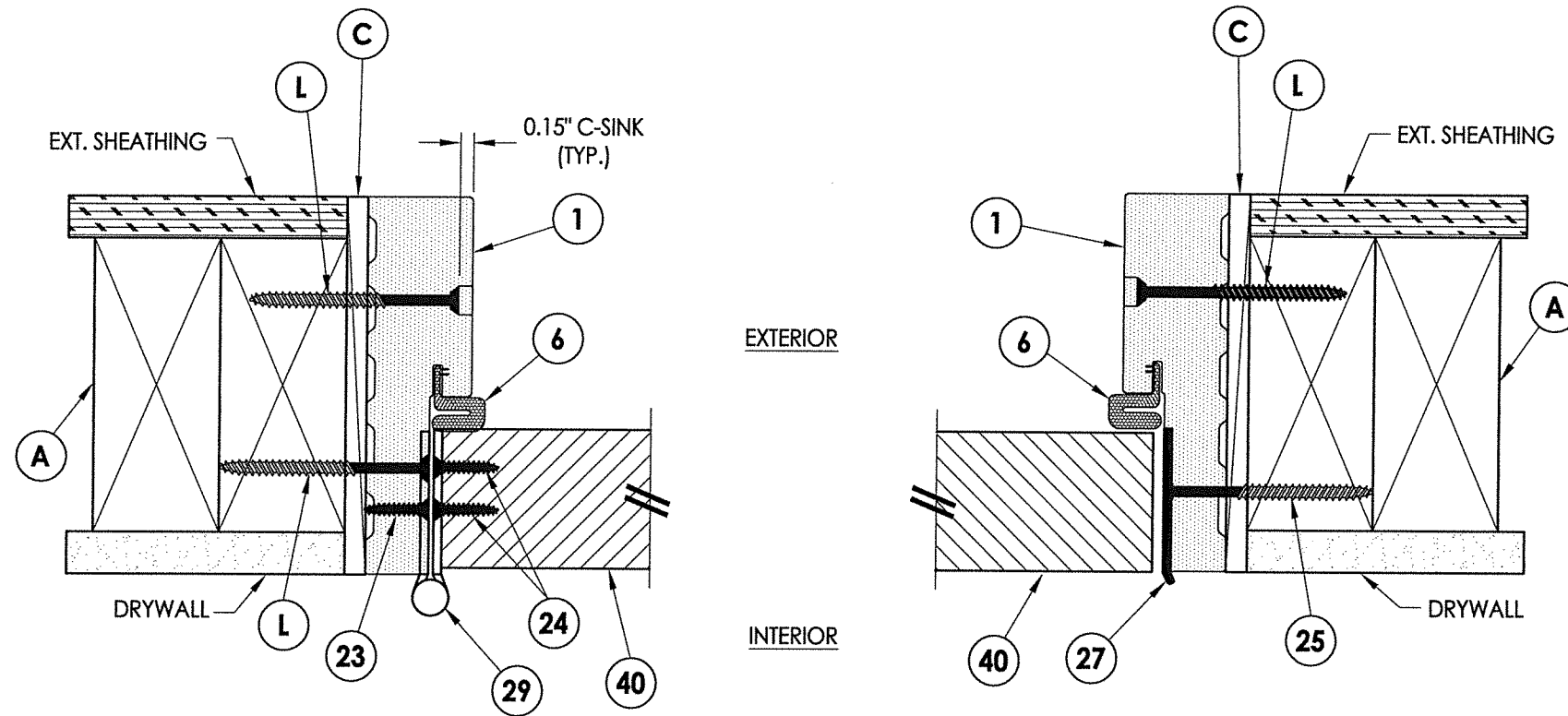
NO.	DATE	DESCRIPTION	BY
1	7/09/20	UPDATE TO 2018 IBC/IRC CODE	LFS
REVISIONS			

DATE: 1/09/17  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4818  
SHEET 2 OF 6

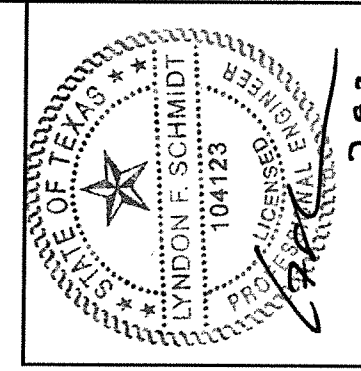
FIBERGLASS DOOR SKIN: MIN. 0.080" THK.  
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)



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



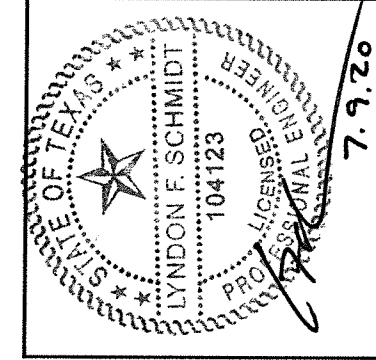
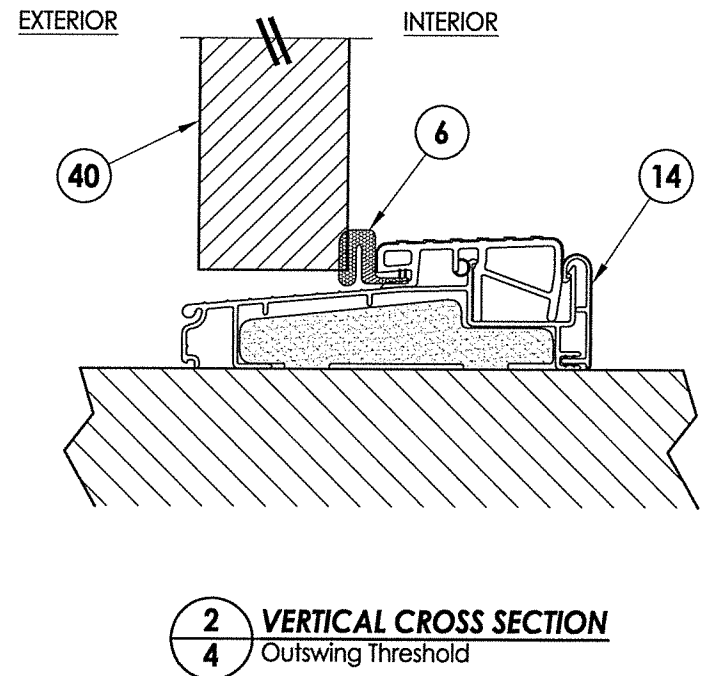
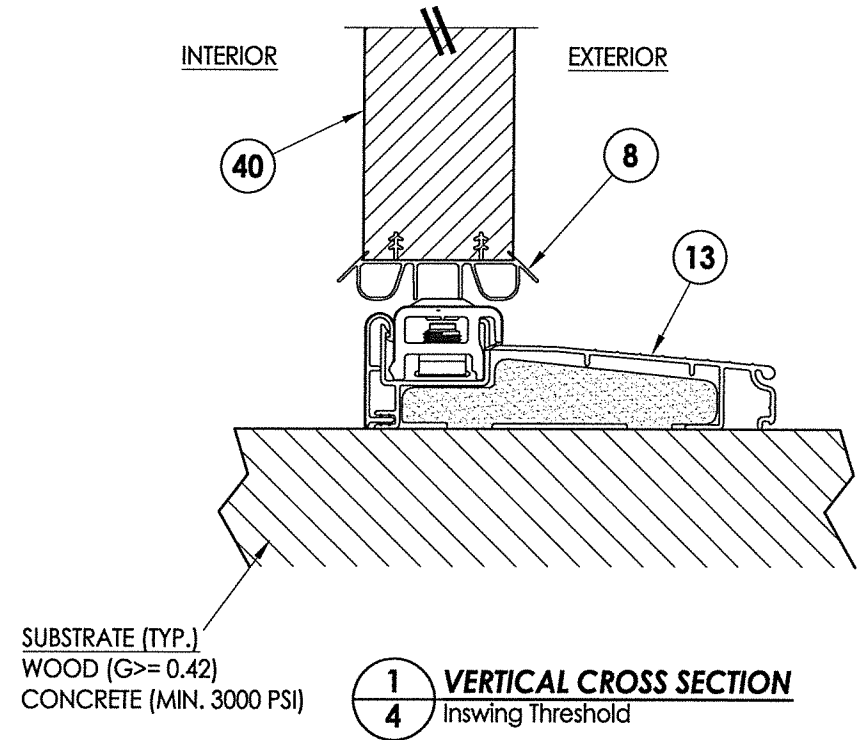
**2** HORIZONTAL CROSS SECTION  
**3** Inswing shown (Outswing similar)



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PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS	
NO.	DATE	UPDATE TO 2018 IBC/IRC CODE	REVISIONS
1	7/09/20	LFS	BY
DATE: 1/09/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4818			
SHEET 3 of 6			

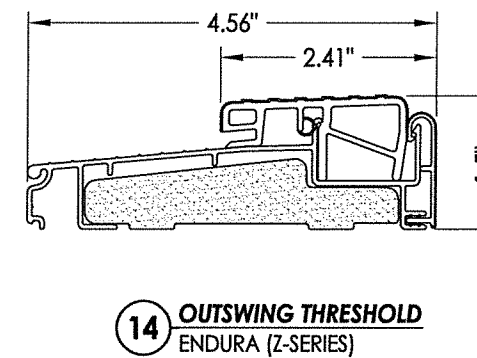
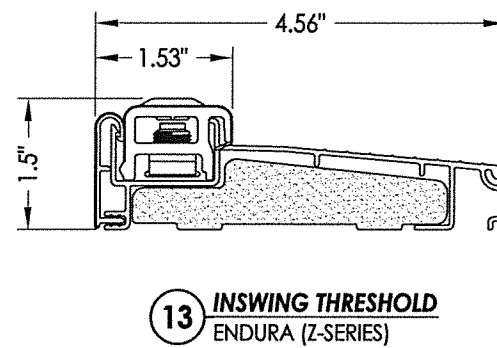
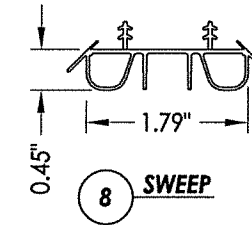
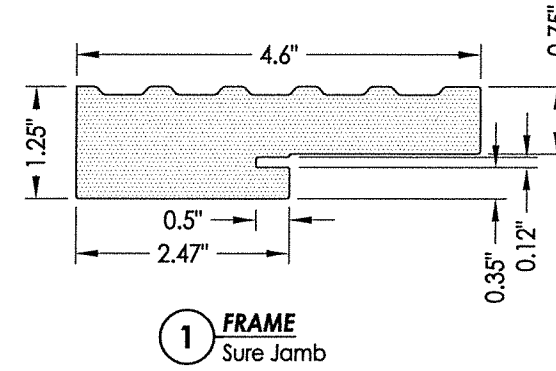


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PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.	DATE	UPDATE TO 2018 IBC/IRC CODE	BY
1	7/09/20	LFS	LFS
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SCALE: N.T.S.			
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CHK. BY: LFS			
DRAWING NO.: TX-4818			
SHEET 4 OF 6			



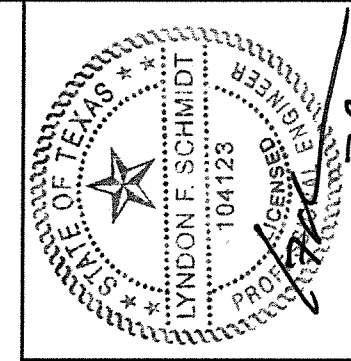
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
1	FRAME (SURE JAMB)	COMP
6	WEATHERSTRIP (Q-LON)	FOAM
8	SWEEP	VINYL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
23	#10 x 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	-



**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"	1-3/4"	2"	4"
ELCO ULTRACON®	1/4"	1-3/4"	1"	4"



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PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	DESCRIPTION	LFS	BY
1	7/09/20	UPDATE TO 2018 IBC/IRC CODE	LFS	BY

DATE: 1/09/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: TX-4818

SHEET 6 OF 6