

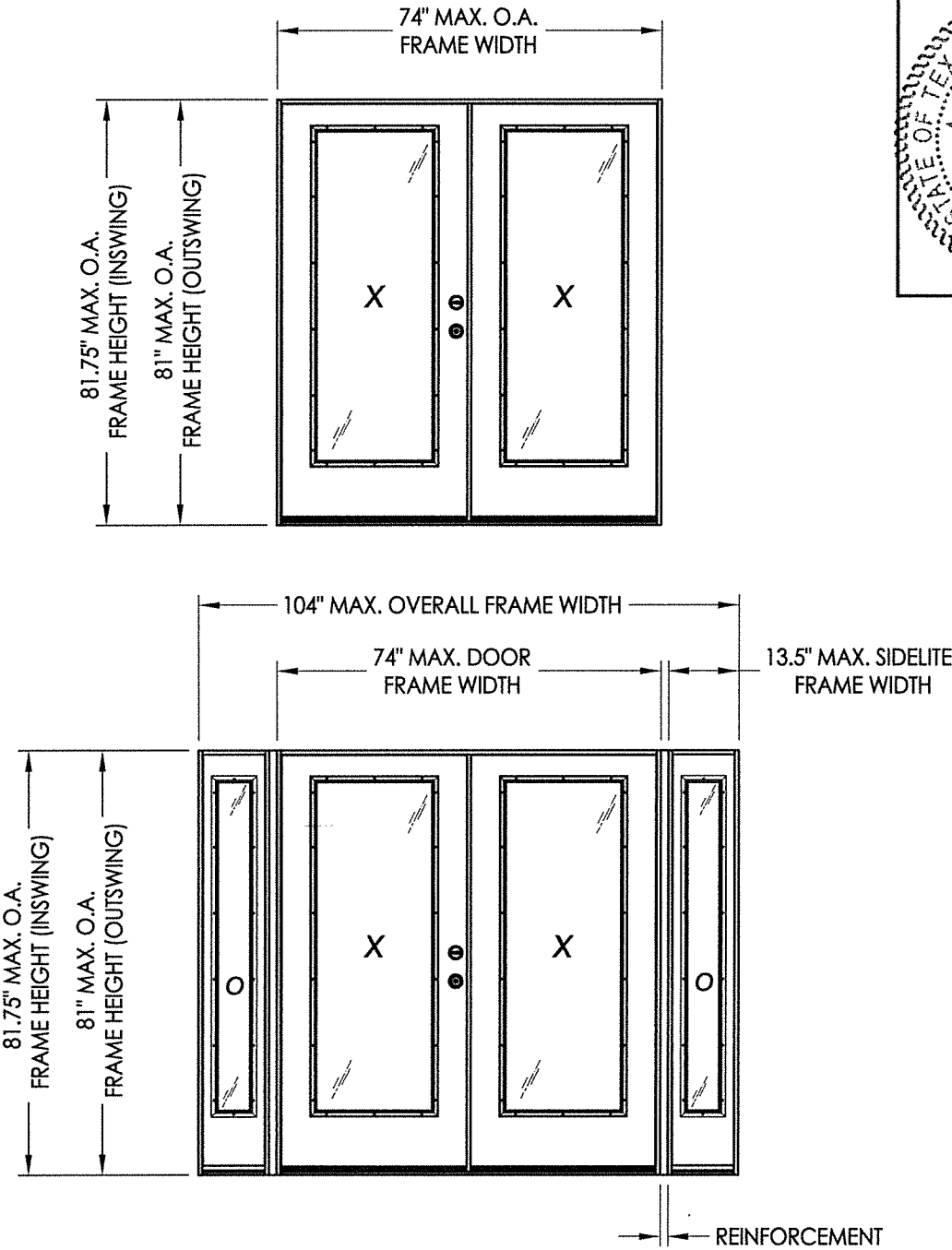
R:\Clients\HM Sure Rock PERMANENT\B - Texas Dept of Ins\New - 618 Fiberglass Non-Impact Door - Glazed\C - Drawings\TX-4821-23.dwg, TX-4823



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

- EVALUATED FOR USE IN THE STATE OF TEXAS
- The Fiberglass Door described herein complies with the 2006 International Residential Code (IRC), Sections R301 & R613 and the 2006 International Building Code (IBC), Sections 1405.12, 1609, 1714.5, 2403 and 2404 (including Texas revisions) 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.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Sidelite Panel Details
4	Elevations
5	Horizontal & Vertical Cross Sections
6	Vertical Cross Sections
7	Frame Anchoring & Hardware Details
8	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	+45.0	-45.0	+45.0	-45.0
OXXO	101.0" x 81.75"	NONE	+40.0	-40.0	+40.0	-40.0
OXXO	102.5" x 81.75"	1X	+45.0	-45.0	+45.0	-45.0
OXXO	104.0" x 81.75"	2X	+45.0	-45.0	+45.0	-45.0

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER

7/25/16

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RWBUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:
SURE ROCK
FIBERGLASS DOORS

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

REVISIONS

DATE: 7/25/16

SCALE: N.T.S.

DWG. BY: JK

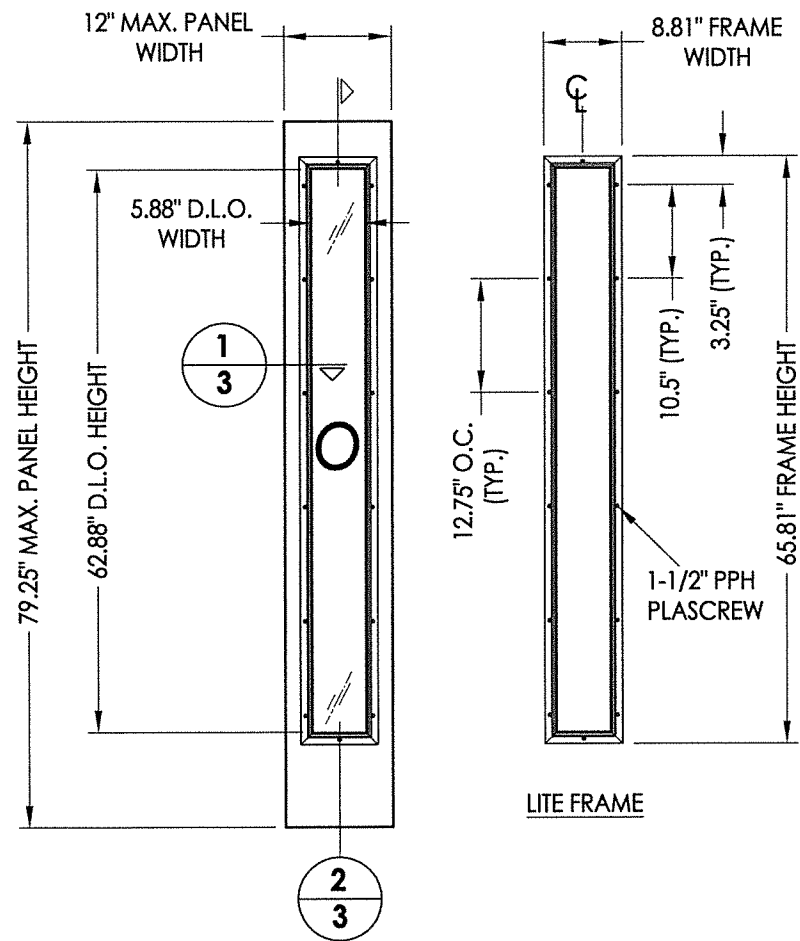
CHK. BY: LFS

DRAWING NO.: TX-4823

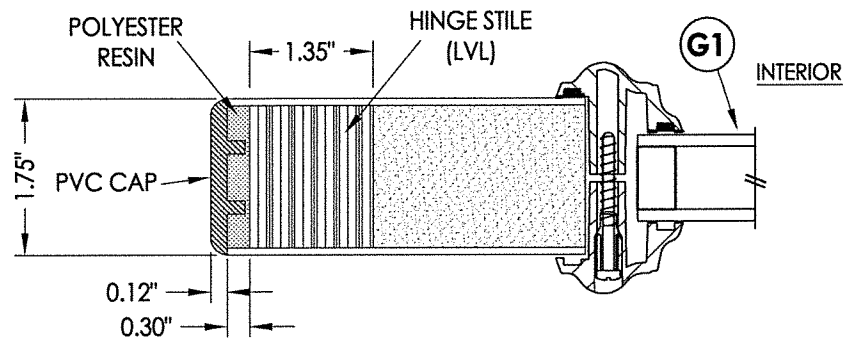
SHEET 1 OF 8

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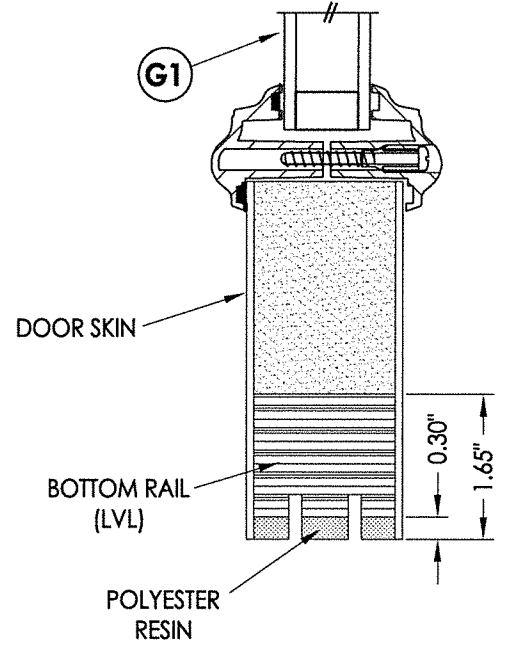
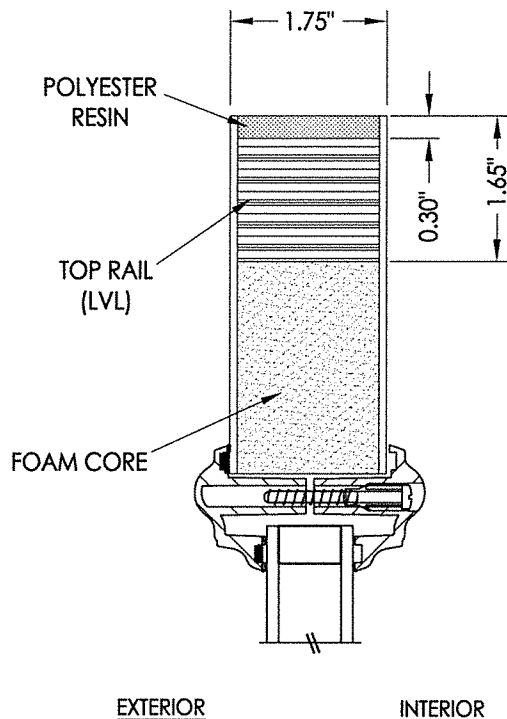
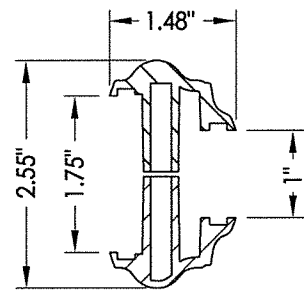
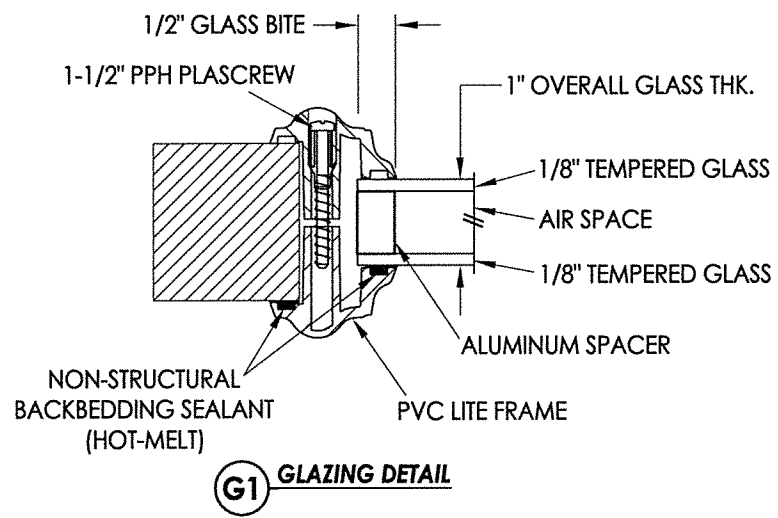
R:\Clients\HM Sure Rock PERMANENT\B - Texas Dept of Ins\New - 6'8 Fiberglass Non-Impact Door - Glazed\C - Drawings\TX-4821-23.dwg, 3.3



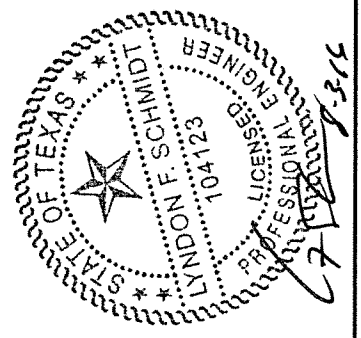
40 SIDELITE PANEL



1 HORIZONTAL CROSS SECTION



2 VERTICAL CROSS SECTION

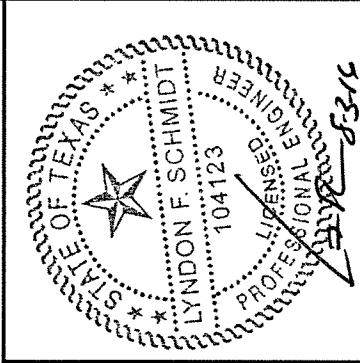
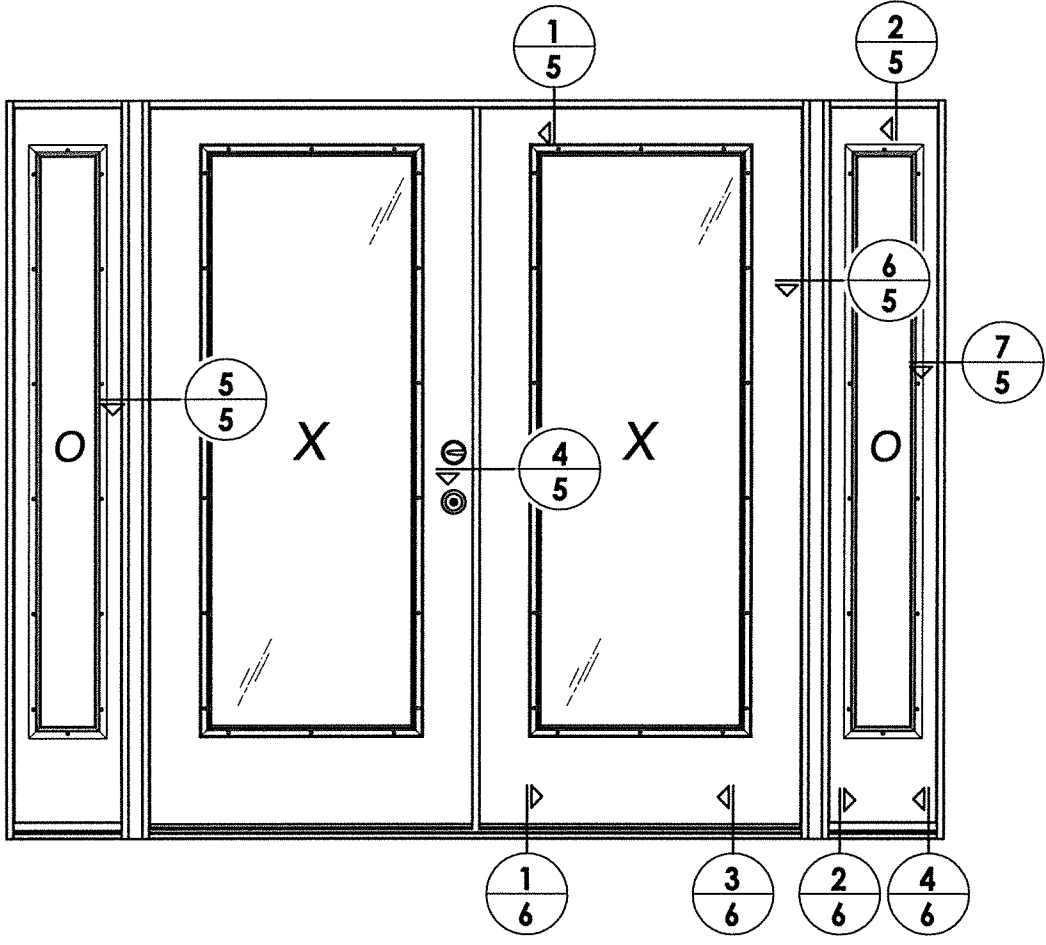
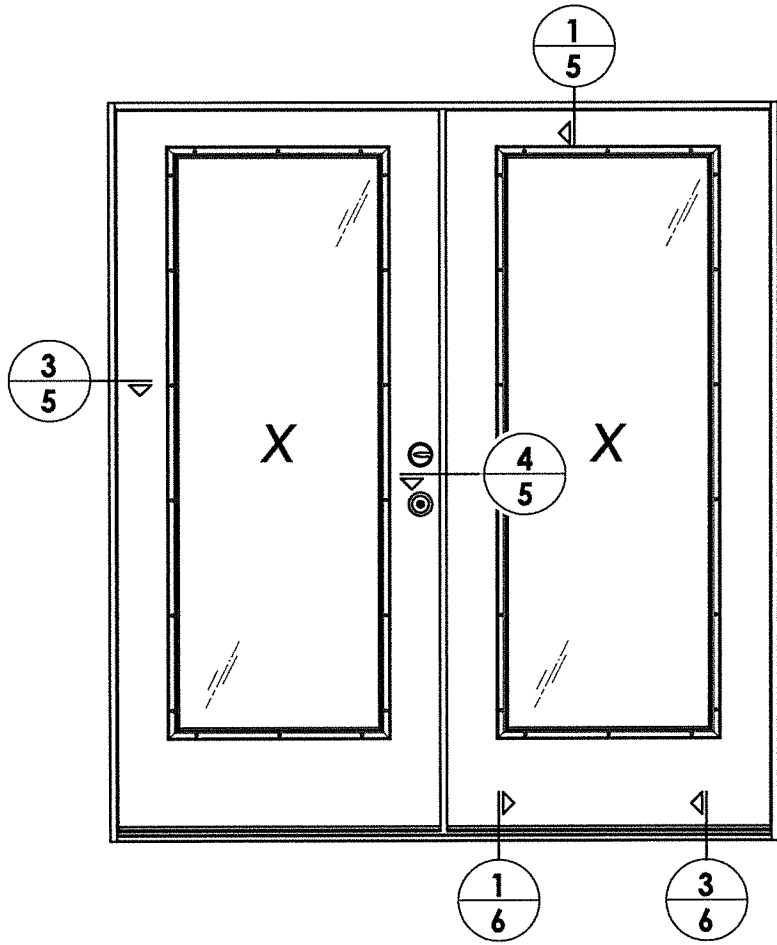


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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		SIDELITE PANEL DETAILS	
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DATE: 7/25/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4823
SHEET 3 OF 8

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



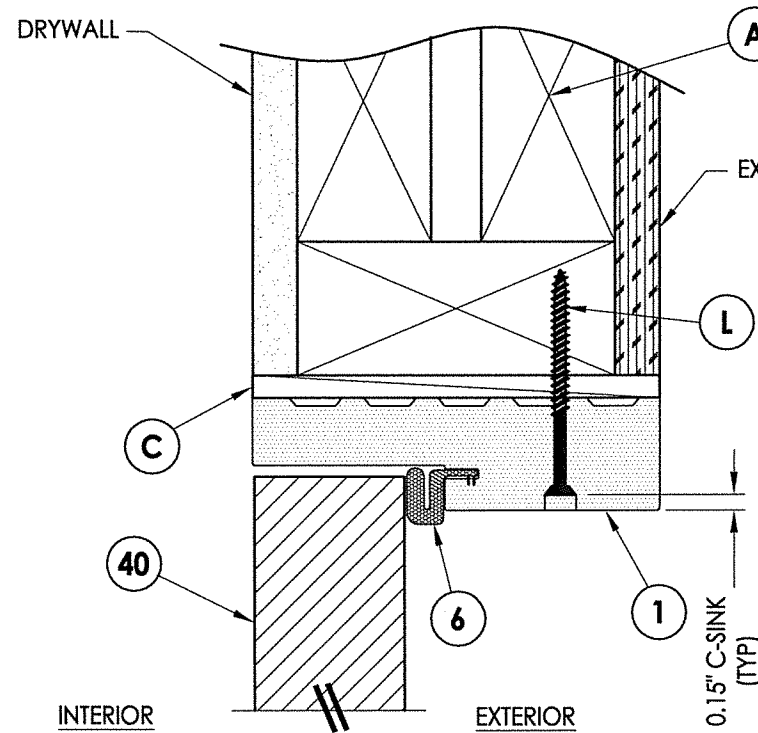
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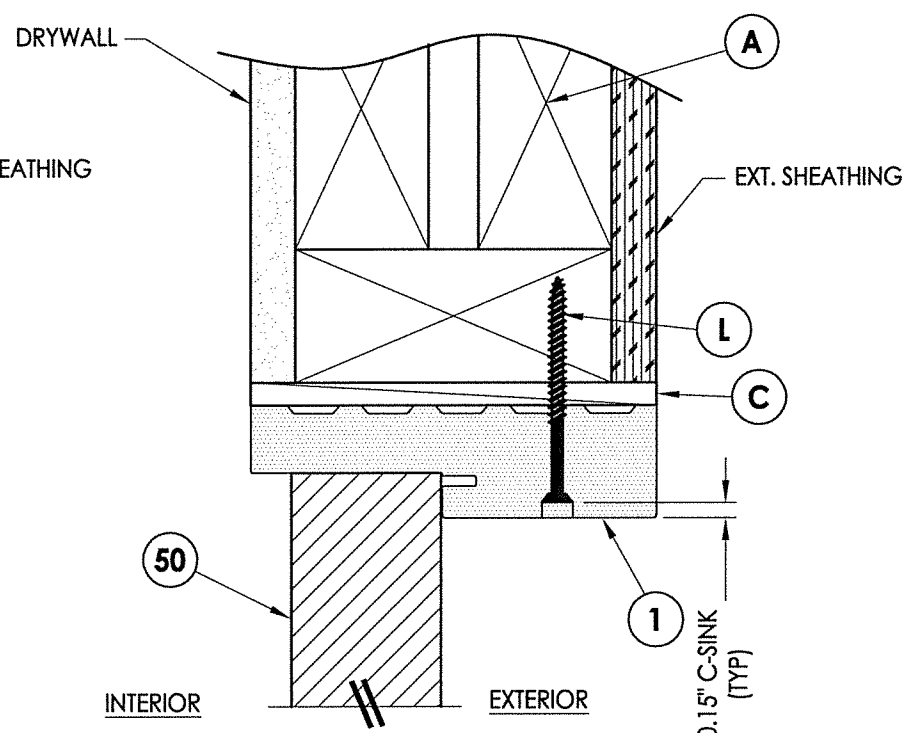
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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		ELEVATIONS	
NO.		DATE	
BY		REVISIONS	
DATE: 7/25/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4823			
SHEET 4 OF 8			

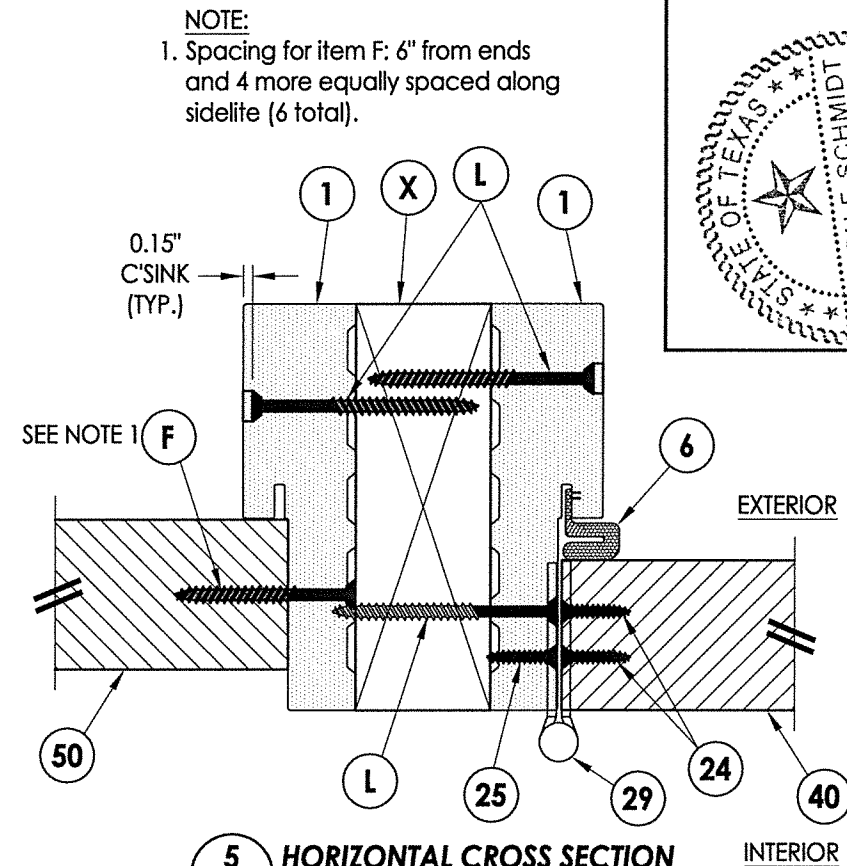
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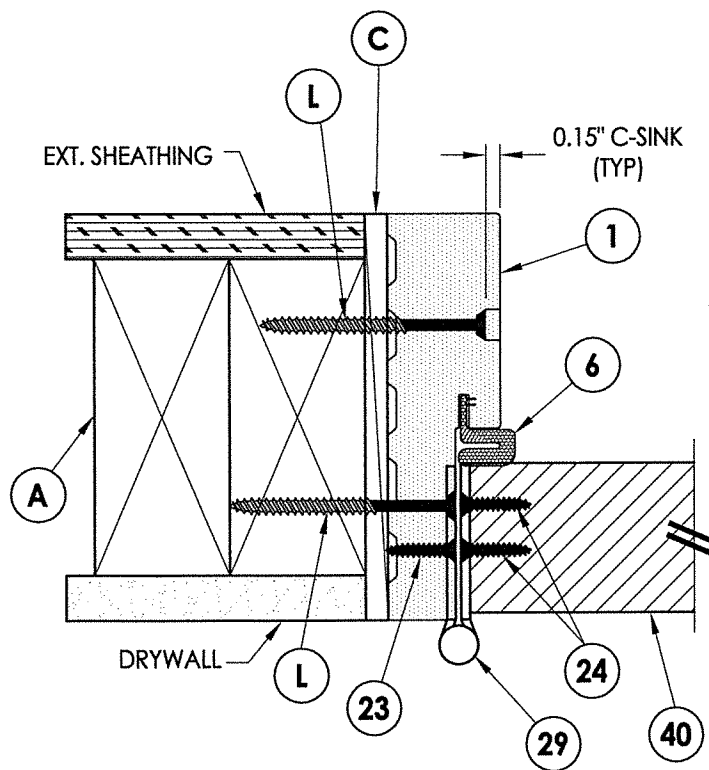
1
5 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)



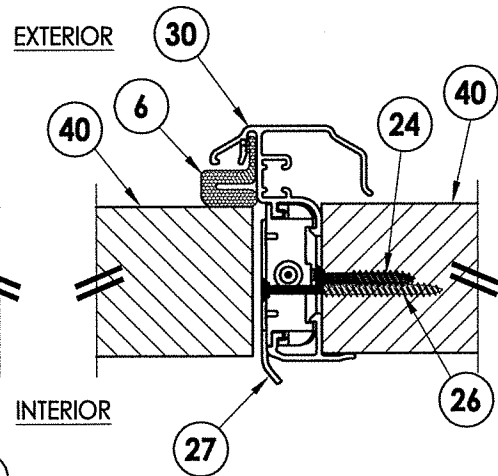
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5 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)



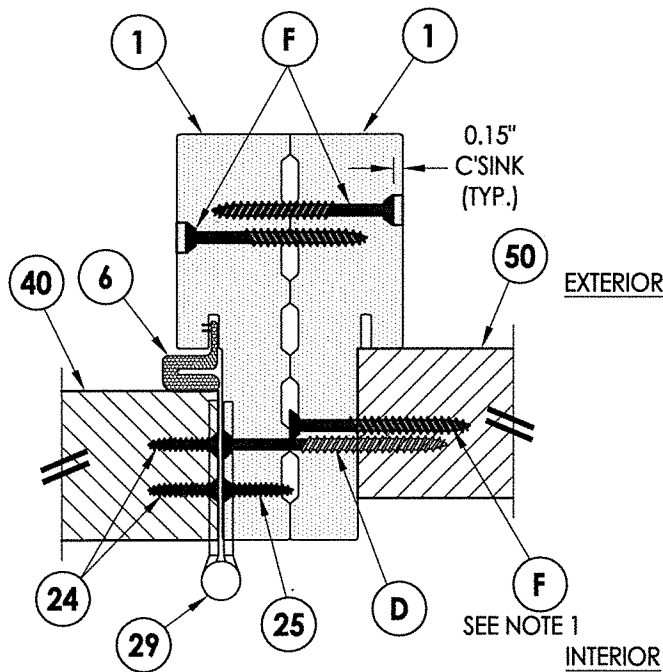
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5 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
Shown w/ 2X Reinforcement
(1X Reinforcement Similar)



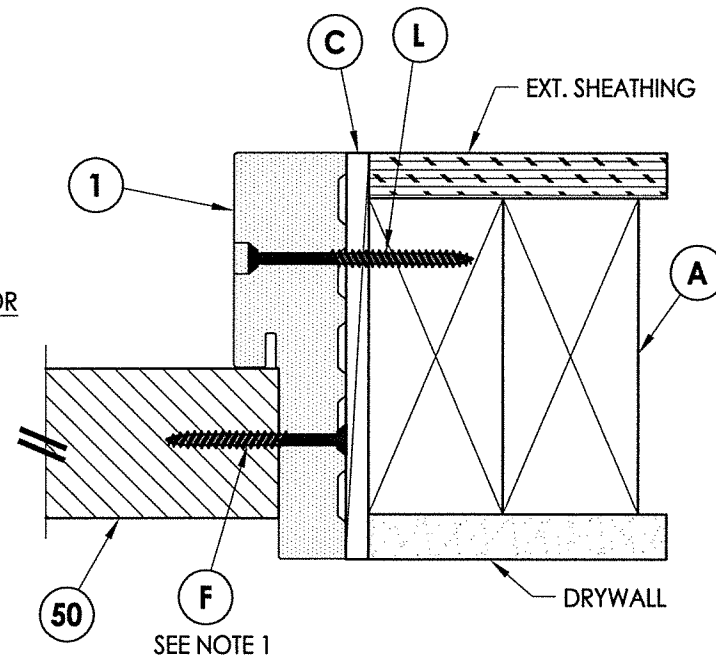
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5 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)



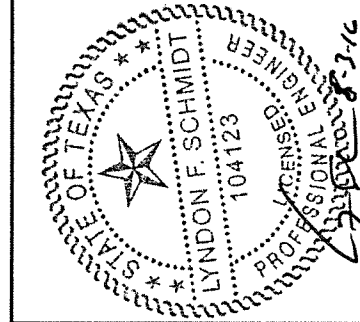
4
5 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)



6
5 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
Shown w/ No Reinforcement



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



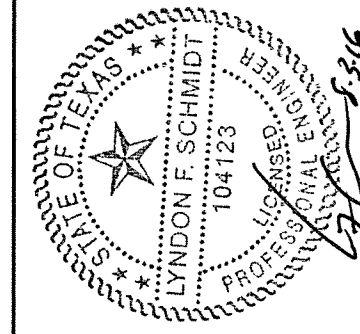
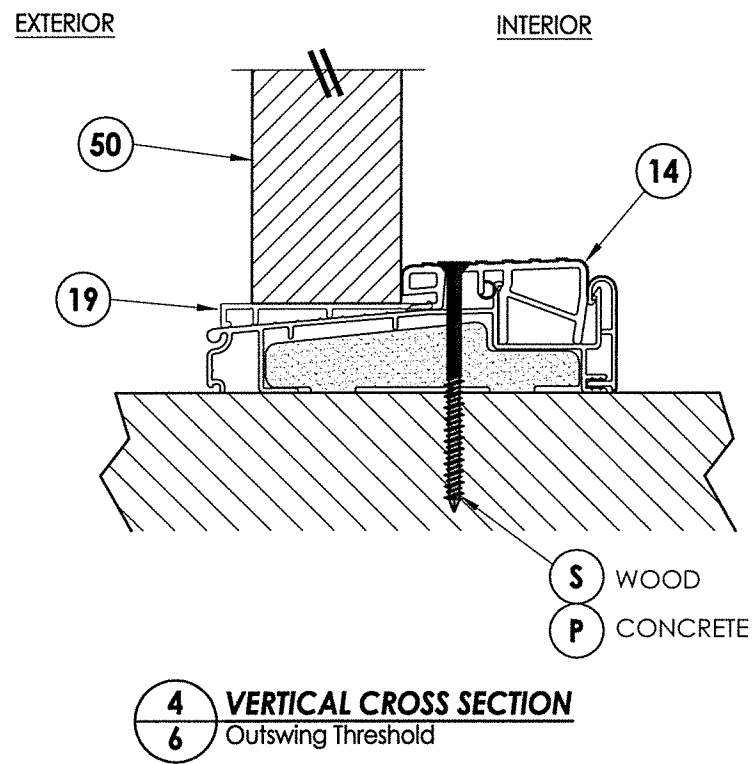
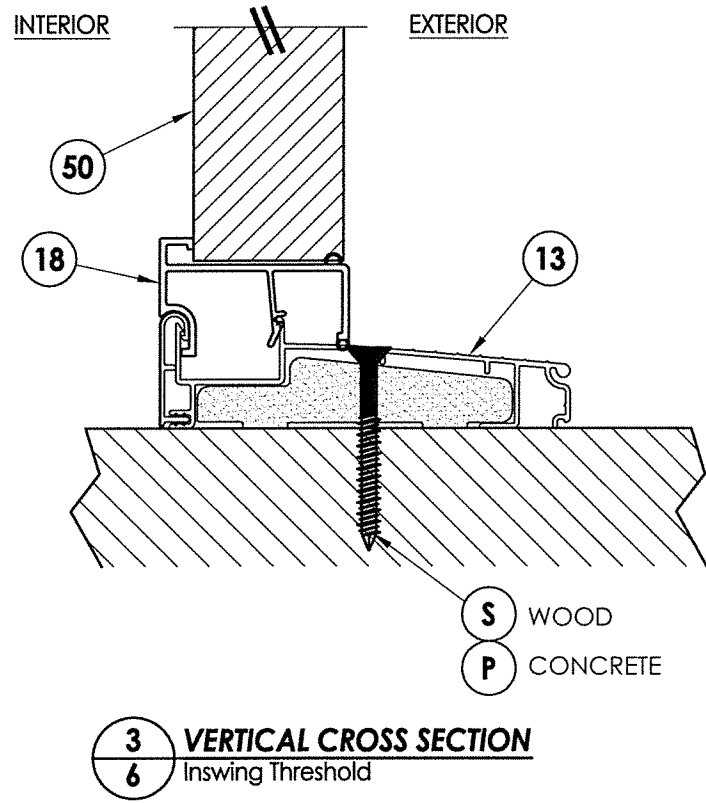
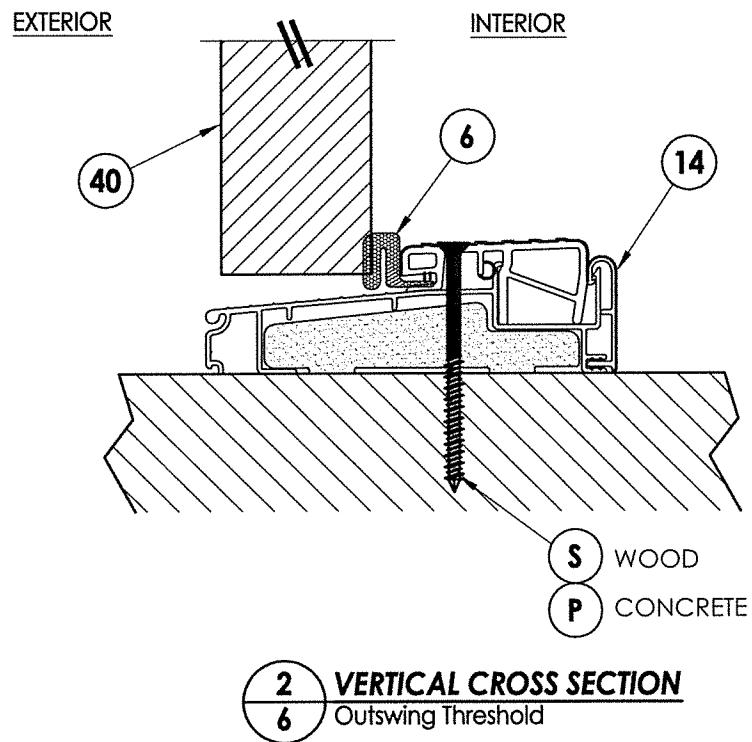
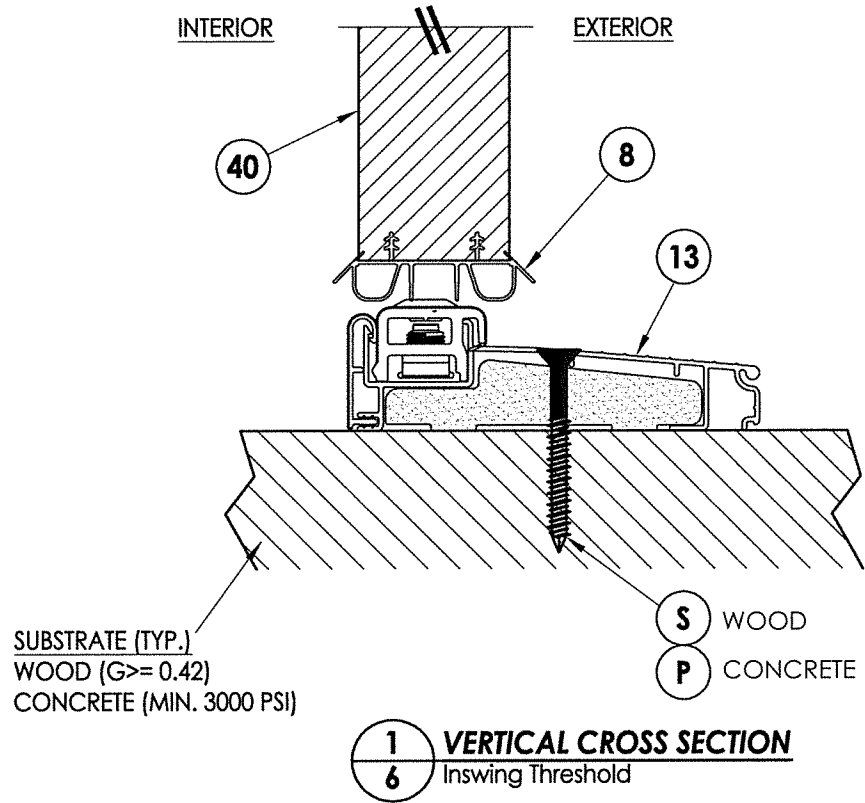
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		SURE ROCK FIBERGLASS DOORS	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS	
BY			
NO.		DATE	
		REVISIONS	
DATE:		7/25/16	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		TX-4823	
SHEET		5 OF 8	

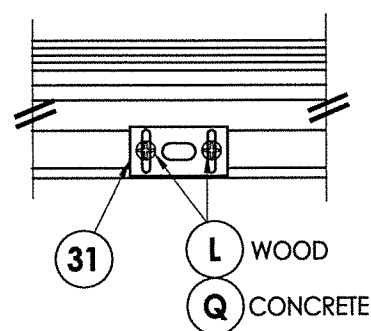
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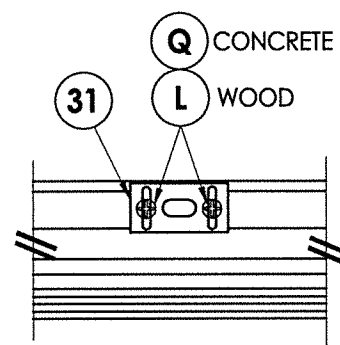
Documents Prepared By: Lyndon F. Schmidt, P.E. TEXAS P.E. #104123		RWBUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.659.9197		TEXAS BOARD OF PROFESSIONAL ENGINEERS CERTIFICATE OF REGISTRATION # F-11852	
PRODUCT: SURE ROCK FIBERGLASS DOORS		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS			
				NO.	DATE
				BY	
REVISIONS					
DATE: 7/25/16					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: TX-4823					
SHEET 6 OF 8					

WOOD **S**
CONCRETE **P**
SILL (TYP.)

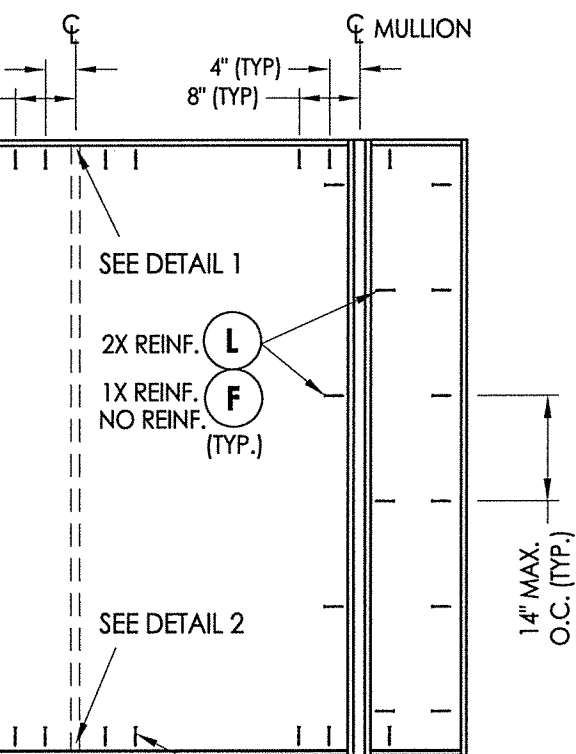
DETAIL 1
Astragal Strike Plate @ Head



DETAIL 2
Astragal Strike Plate @ Sill
Inswing



DETAIL 2
Astragal Strike Plate @ Sill
Outswing



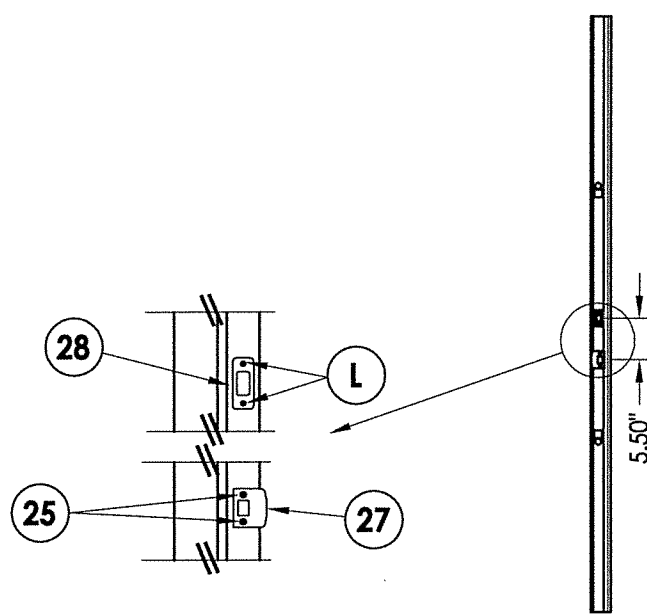
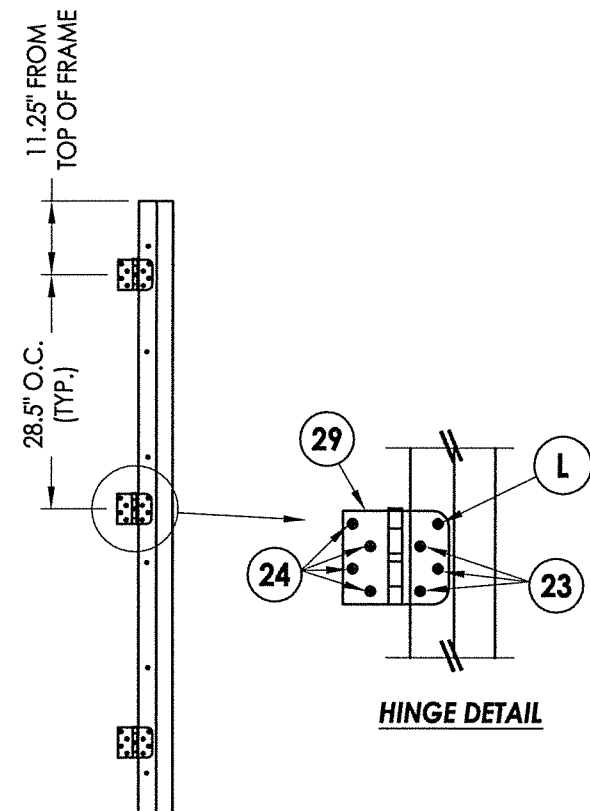
OXO

S WOOD

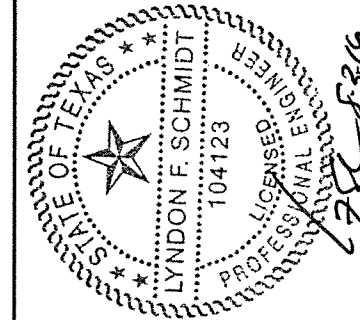
P CONCRETE

SILL (TYP.)

LATCH AND DEADBOLT STRIKE PLATE DETAILS

**ASTRAGAL JAMB**

HINGE JAMB



Documents Prepared By: Lyndon F. Schmidt, P.E.
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Parsons BUILDING CONSULTANTS, INC.

P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197

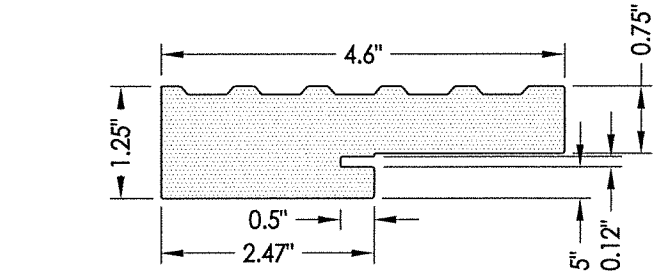
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: SURE ROCK
FIBERGLASS DOORS

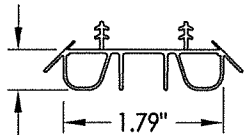
PART OR ASSEMBLY:
FRAME ANCHORING

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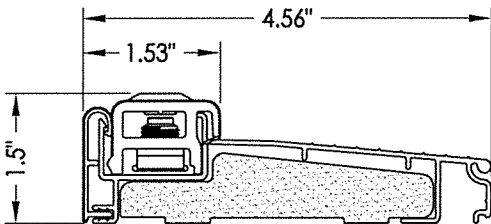
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#10 X 2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
P	1/4" PFH CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
Q	3/16" PFH CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
S	#10 X 3" PFH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
X	1X OR 2X REINFORCEMENT (G >= 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	-



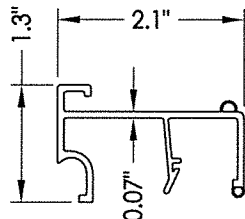
1 FRAME
SURE JAMB



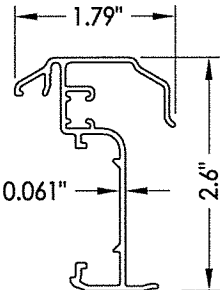
8 SWEEP



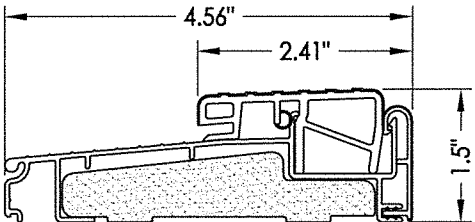
13 INSWING THRESHOLD
ENDURA (Z-SERIES)



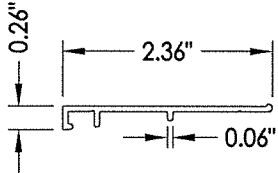
18 INSWING SIDELITE SPACER



30 ULTIMATE HURRICANE ASTRAGAL
ENDURA



14 OUTSWING THRESHOLD
ENDURA (Z-SERIES)

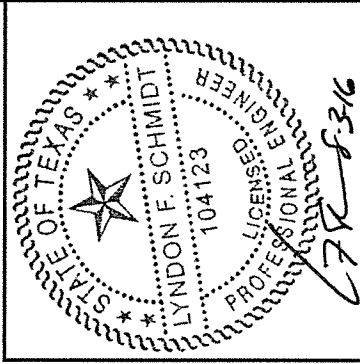


19 OUTSWING SIDELITE SPACER

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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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: SURE ROCK
FIBERGLASS DOORS

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 7/25/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: TX-4823

SHEET 8 OF 8