

THERMA-TRU® DOORS

Fiber-Classic® & Smooth-Star®

COMPOSITE EDGE GLAZED FIBERGLASS SINGLE DOOR w/ SIDELITE(S) INSWING/OUTSWING "NON-IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

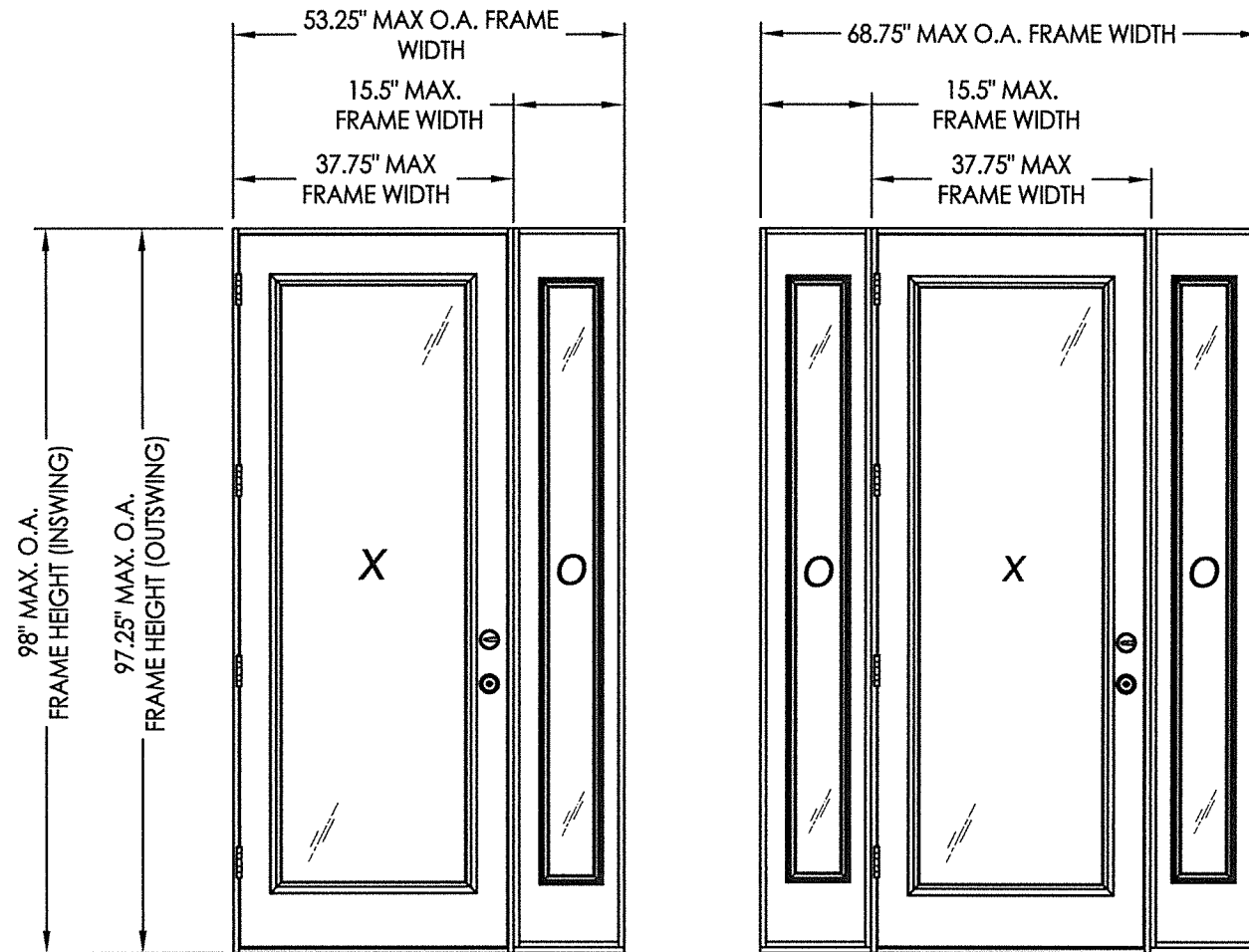
TDI DR-946

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.
5. Fiber-Classic and Smooth-Star Door and Sidelite panels require the use of "J" part numbers. These door and sidelite panels must be stained or painted within six months of installation.

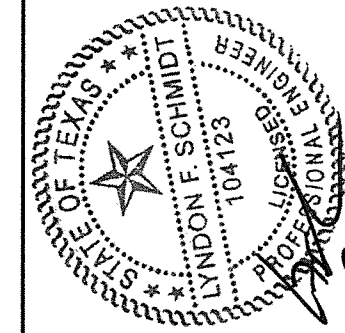
TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Door Panel Details
4	Door Panel Details
5	Sidelite Panel Details
6	Elevations
7	Horizontal & Vertical Cross Sections
8	Vertical Cross Sections (Thresholds)
9	Frame Anchoring
10	Hardware Details
11	Glazing Details
12	Components
13	Bill of Materials



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	+47.0	-47.0	+47.0	-47.0

See Sheet 6 for Hardware Specifications



Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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

CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

NO.	DATE	DESCRIPTION	BY
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DATE: 11/27/17

SCALE: N.T.S.

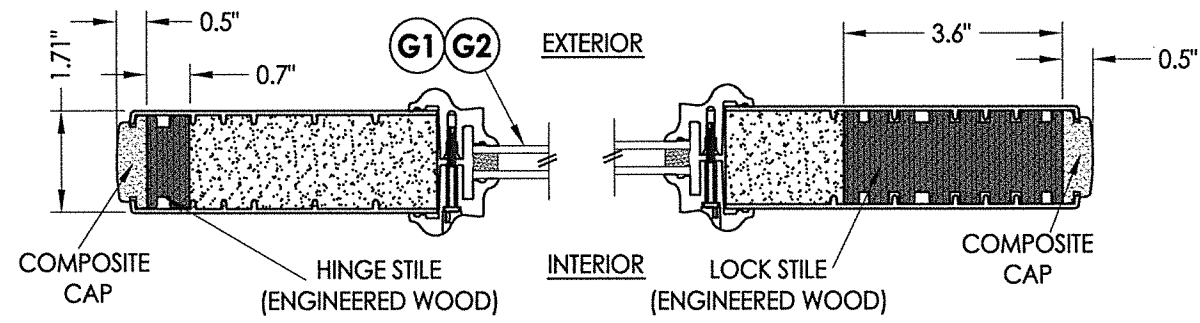
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CHK. BY: LFS

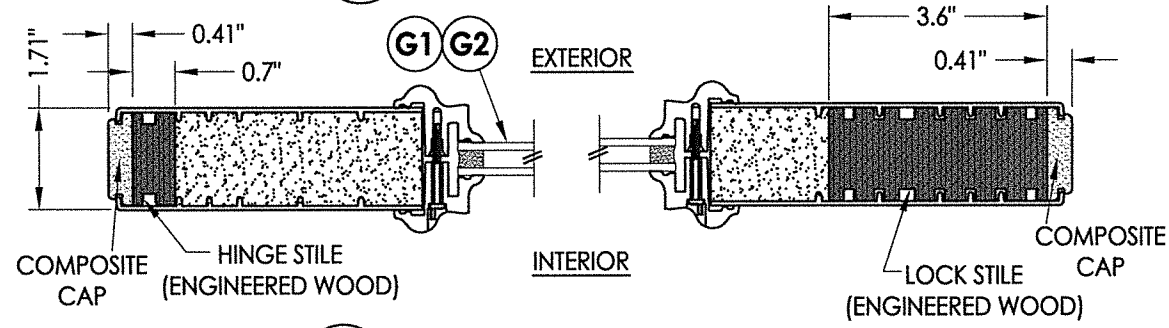
DRAWING NO.:
TX-4767

SHEET 1 OF 13

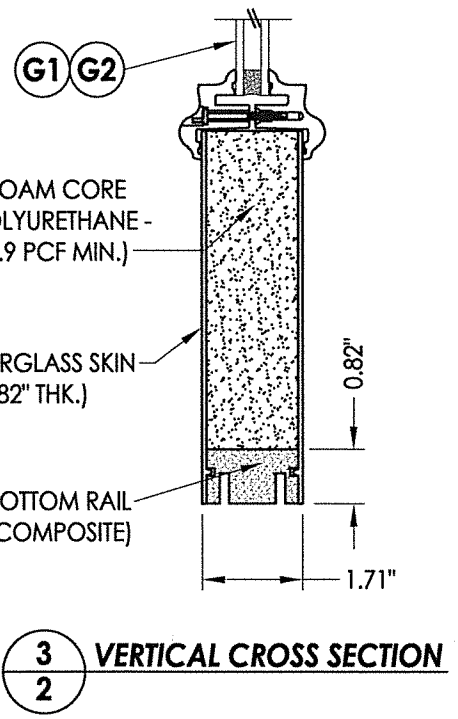
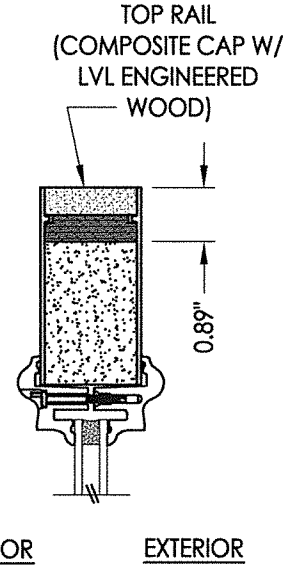
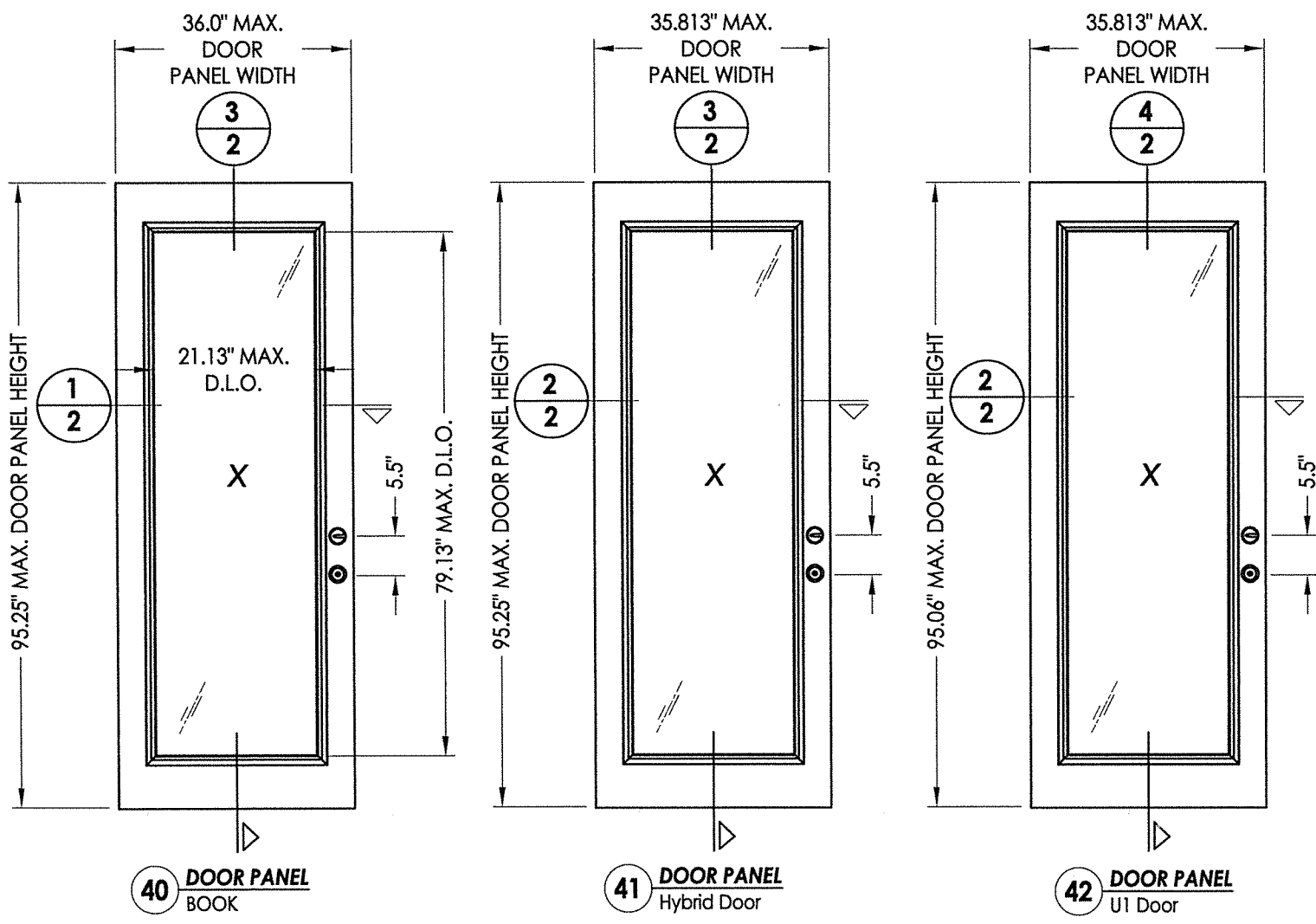
Z:\Clients\Therma Tru PERMANENT\B - Texas Dept of Ins\TDI - DR 946 - 6'8 & 8'0 Glazed Comp Edge Non-Impact (TX 4761 - 4770)\C - Drawings\TX-4766-68.dwg



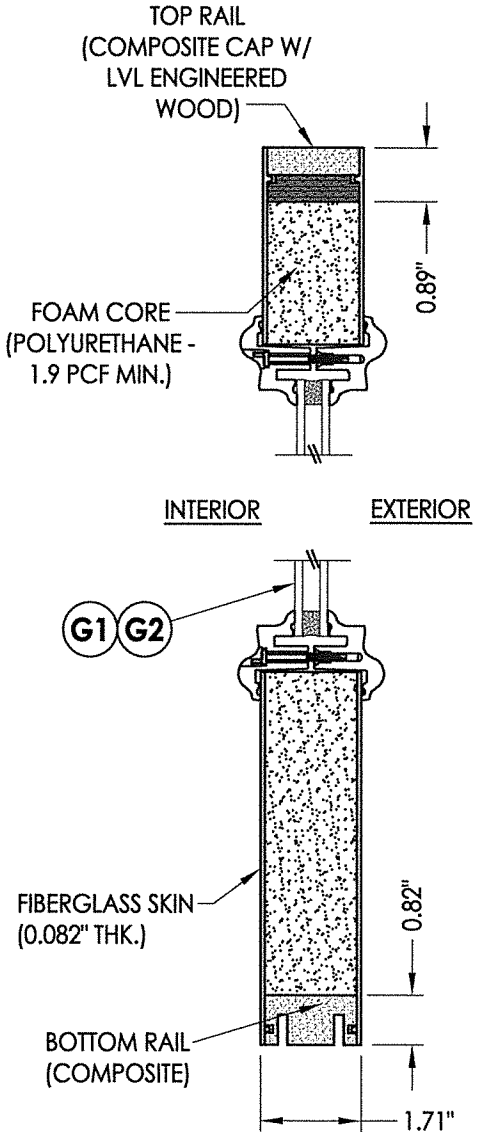
1 HORIZONTAL CROSS SECTION
2



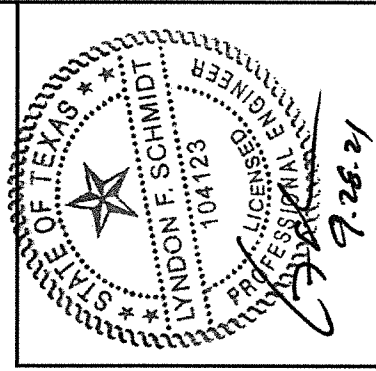
2 HORIZONTAL CROSS SECTION
2



3 VERTICAL CROSS SECTION
2



4 VERTICAL CROSS SECTION
2

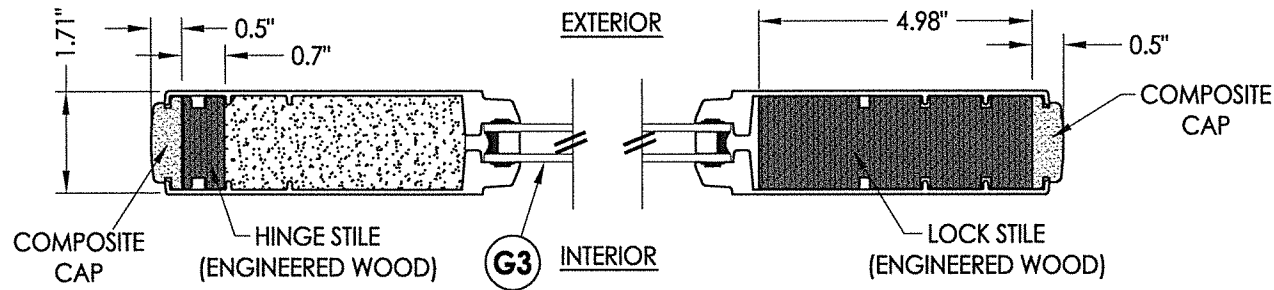


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RWB BUILDING CONSULTANTS, INC.
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CERTIFICATE OF REGISTRATION # F-11852

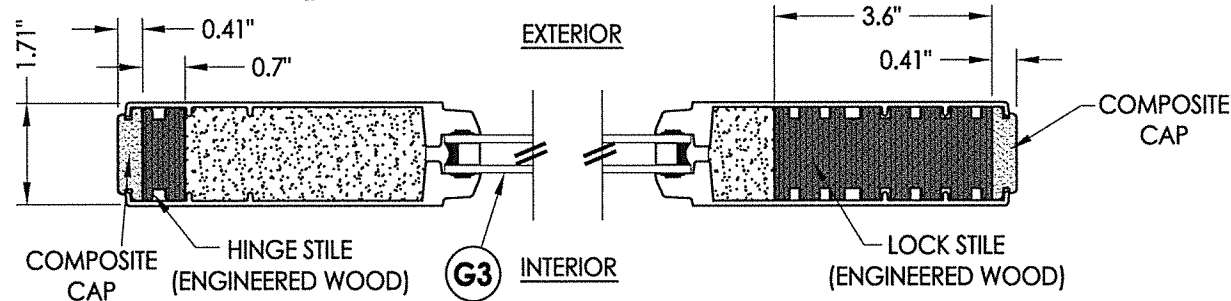
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PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	REVISIONS	BY
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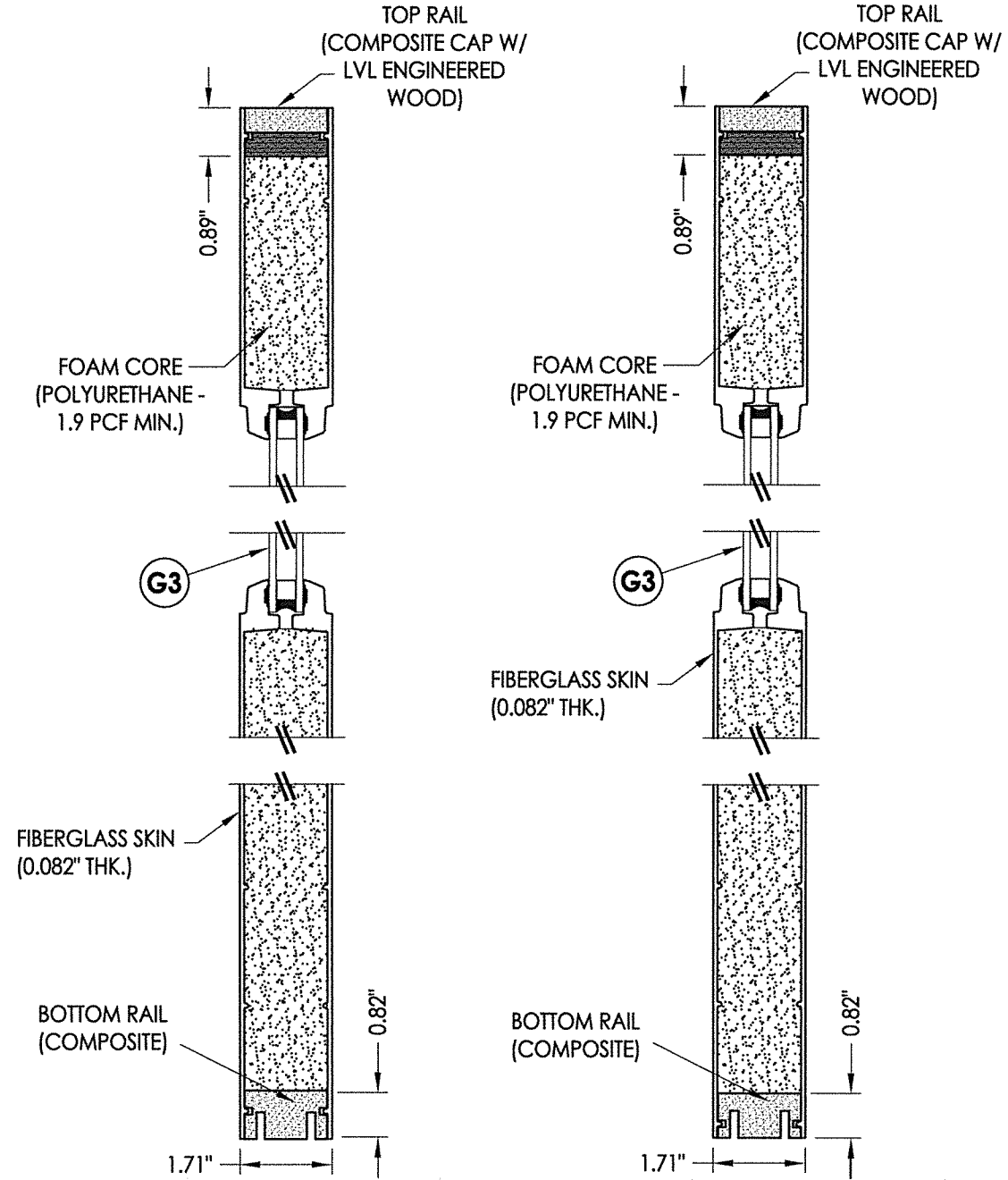
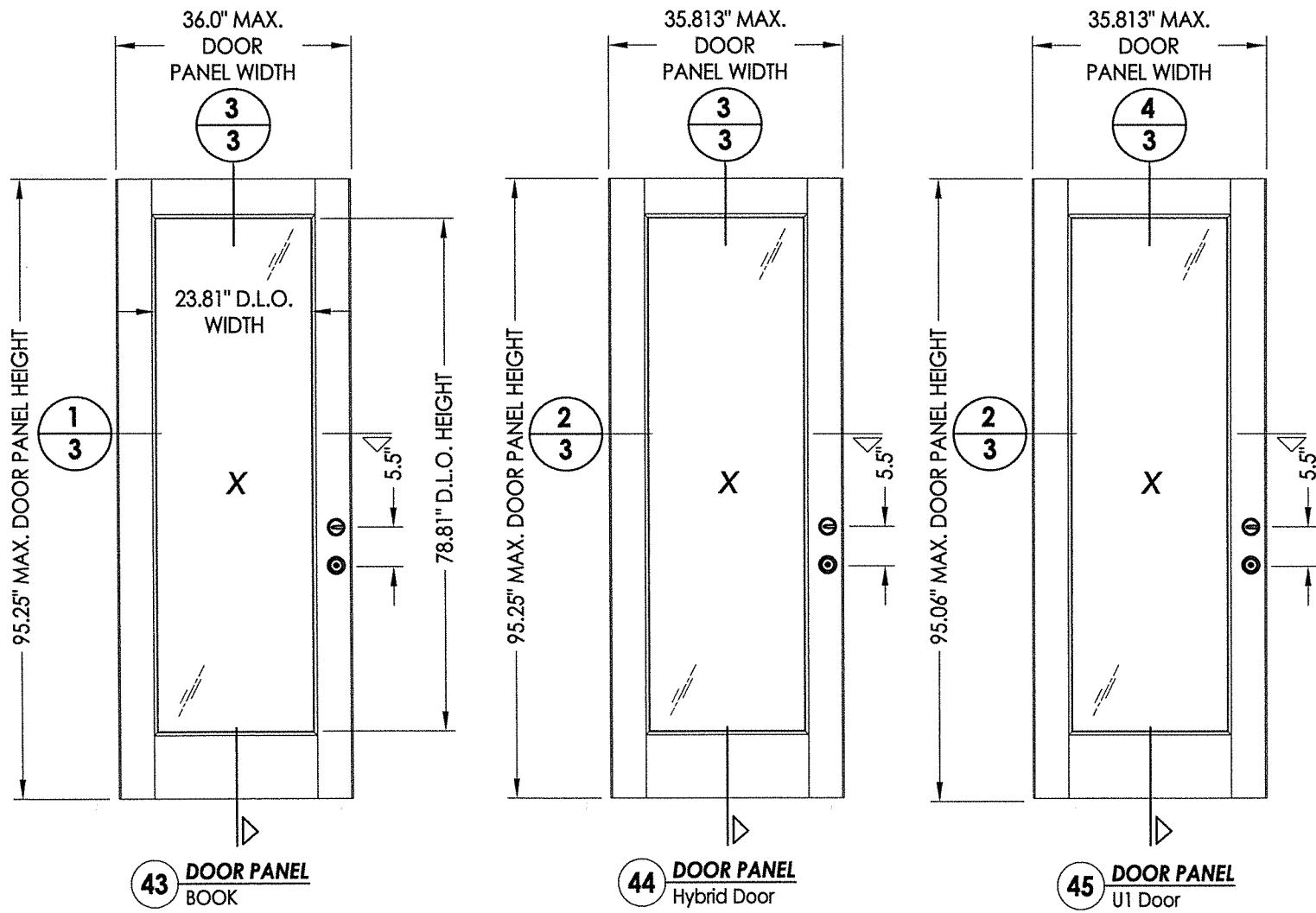
DATE: 11/27/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4767
SHEET 2 OF 13



1
3 HORIZONTAL CROSS SECTION

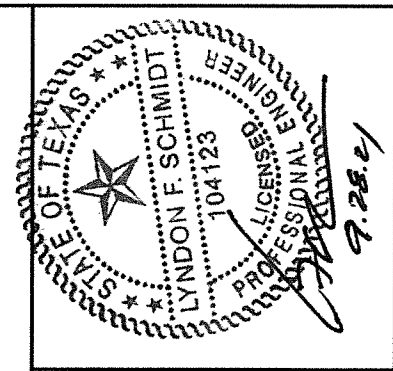


2
3 HORIZONTAL CROSS SECTION



3
3 VERTICAL CROSS SECTION

4
3 VERTICAL CROSS SECTION

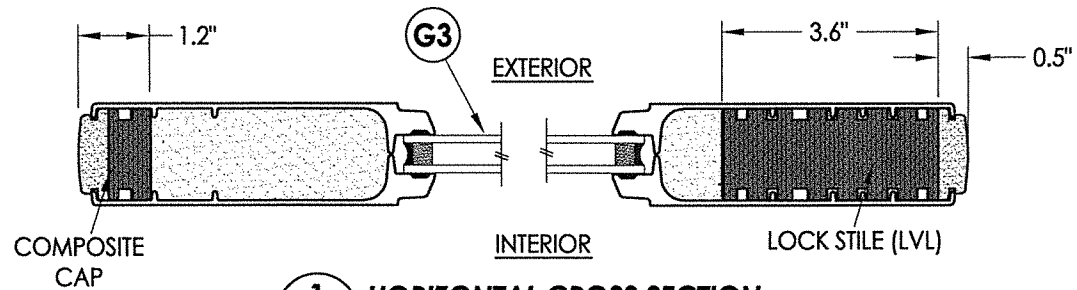


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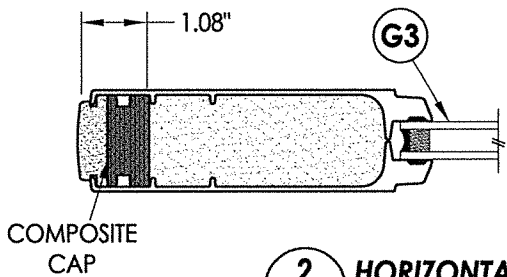
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL, 33595
Phone No.: 813.659.9197

CERTIFICATE OF REGISTRATION # F-11852

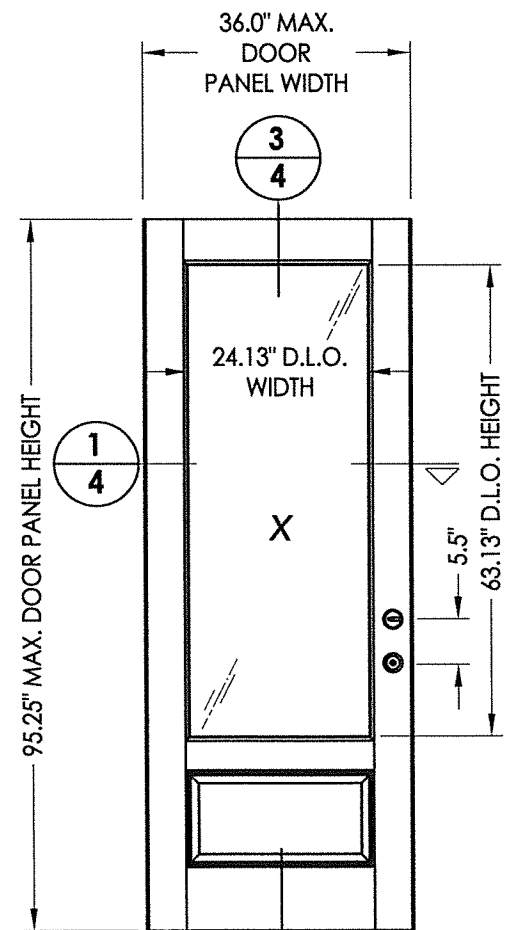
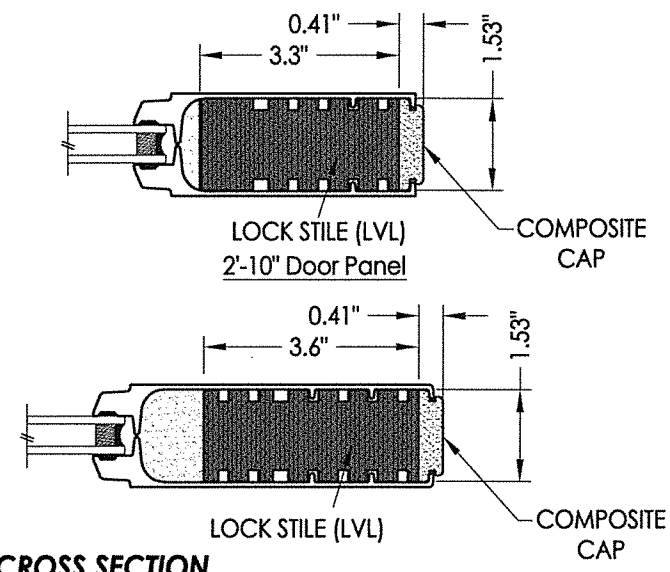
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REVISIONS			
DATE: 11/27/17			
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DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4767			
SHEET 3 OF 13			



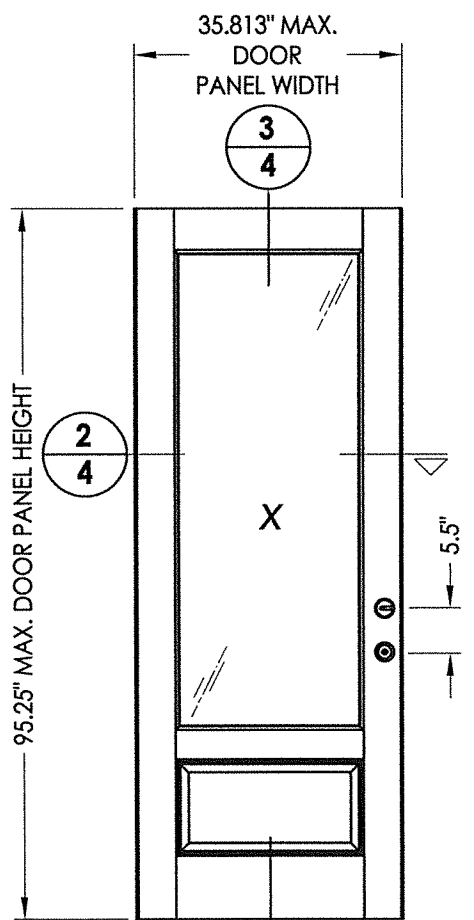
1
4 HORIZONTAL CROSS SECTION



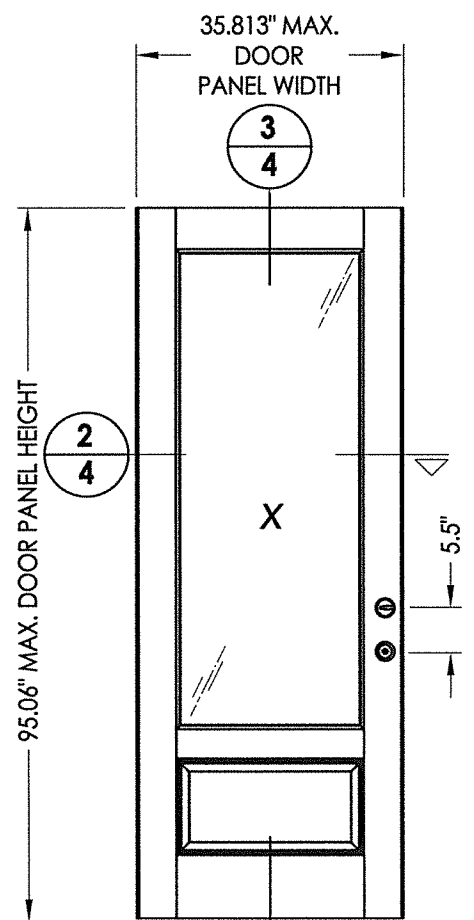
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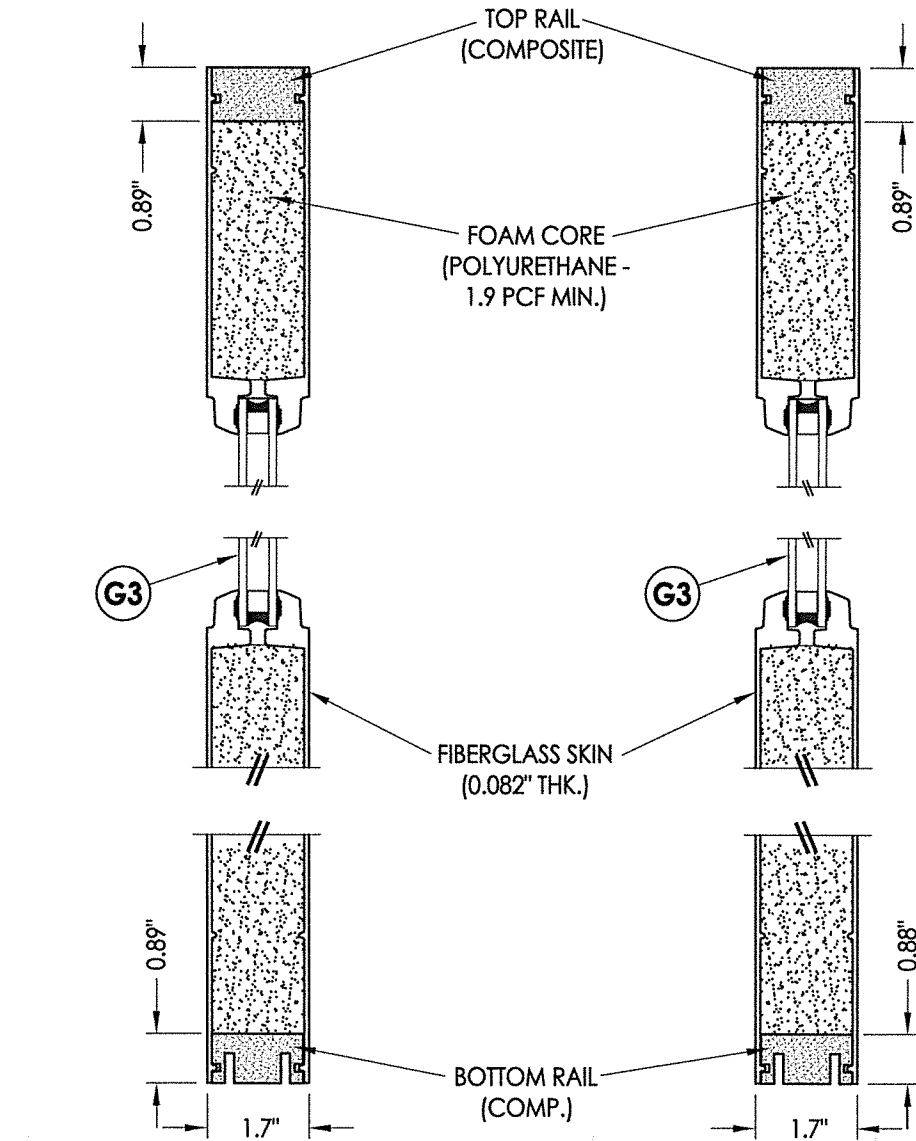
46 DOOR PANEL BOOK



47 DOOR PANEL Hybrid Door

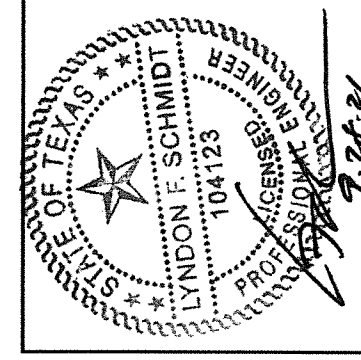


48 DOOR PANEL UI Door



3
4 VERTICAL CROSS SECTION

4
4 VERTICAL CROSS SECTION

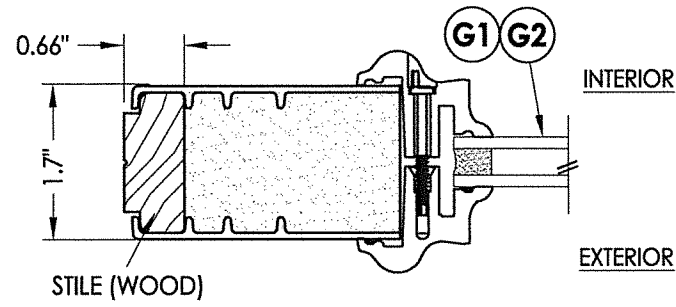


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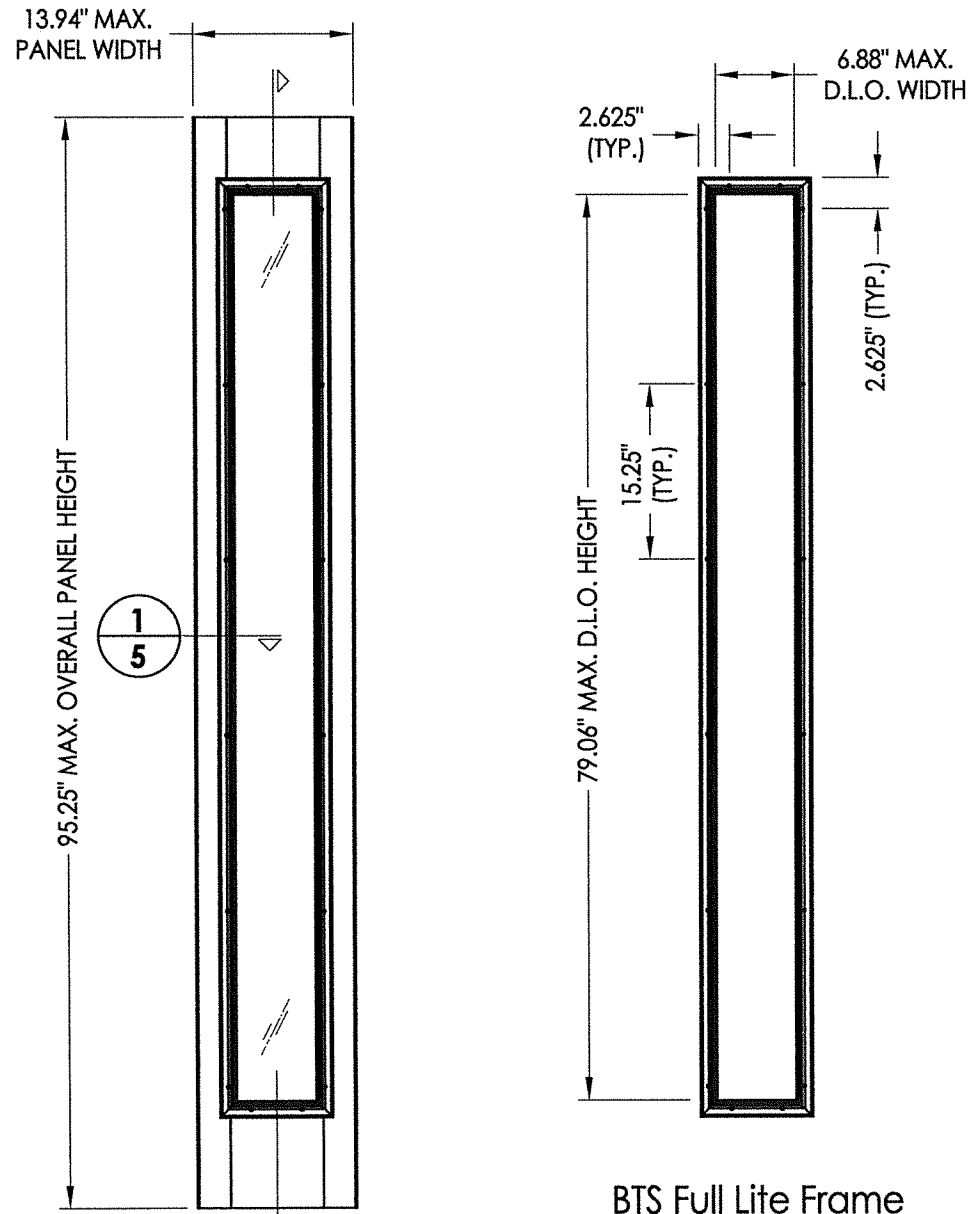
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY: DOOR PANEL DETAILS	
DATE: 11/27/17	SCALE: N.T.S.
DWG. BY: JK	CHK. BY: LFS
DRAWING NO.: TX-4767	
SHEET 4 OF 13	
REVISIONS	
NO.	DATE
1	9/27/21 UPDATE TO 2018 IBC/IRC CODE
	BY

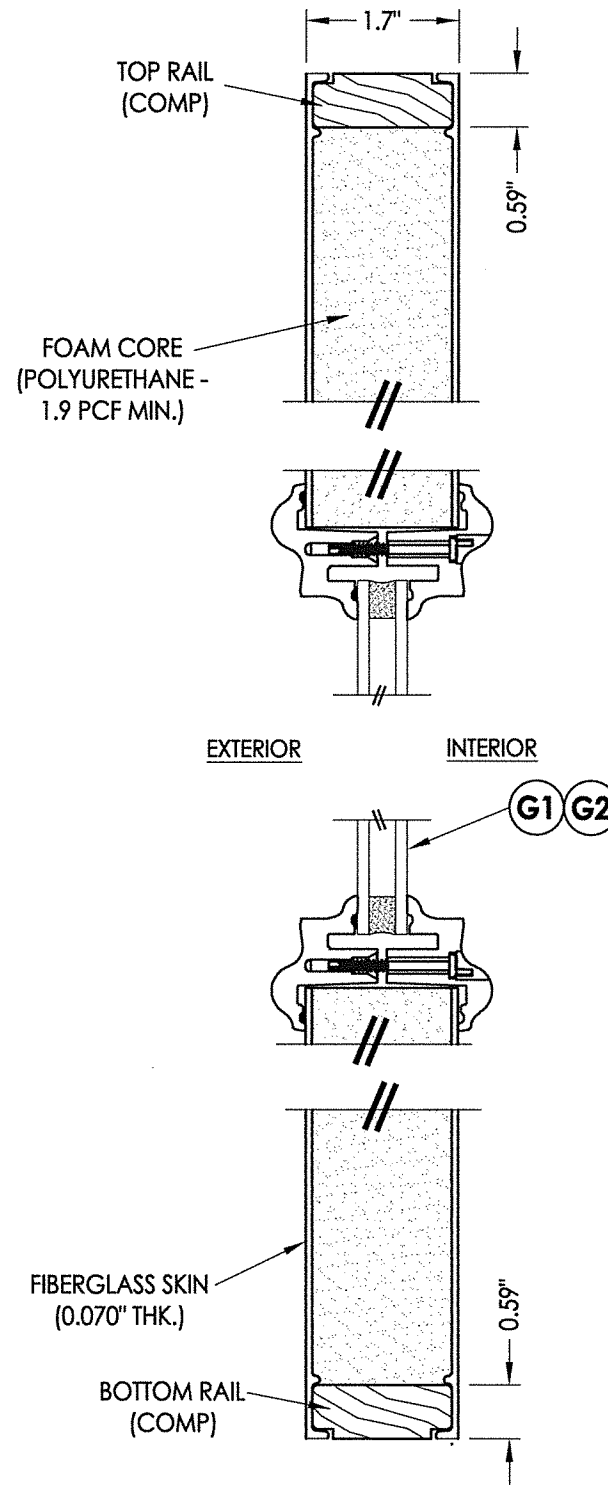


1 **HORIZONTAL CROSS SECTION**
5 Lip Lite Glazing

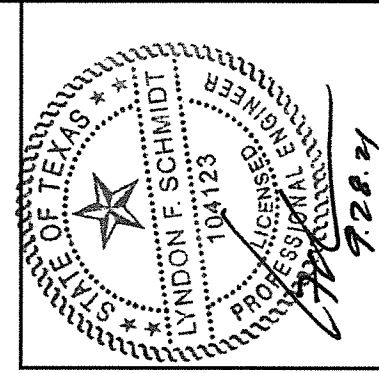


2 **VERTICAL CROSS SECTION**
5 Lip Lite Glazing

50 **SIDELITE PANEL**
 Full Lite
 Lip Lite



2 **VERTICAL CROSS SECTION**
5 Lip Lite Glazing

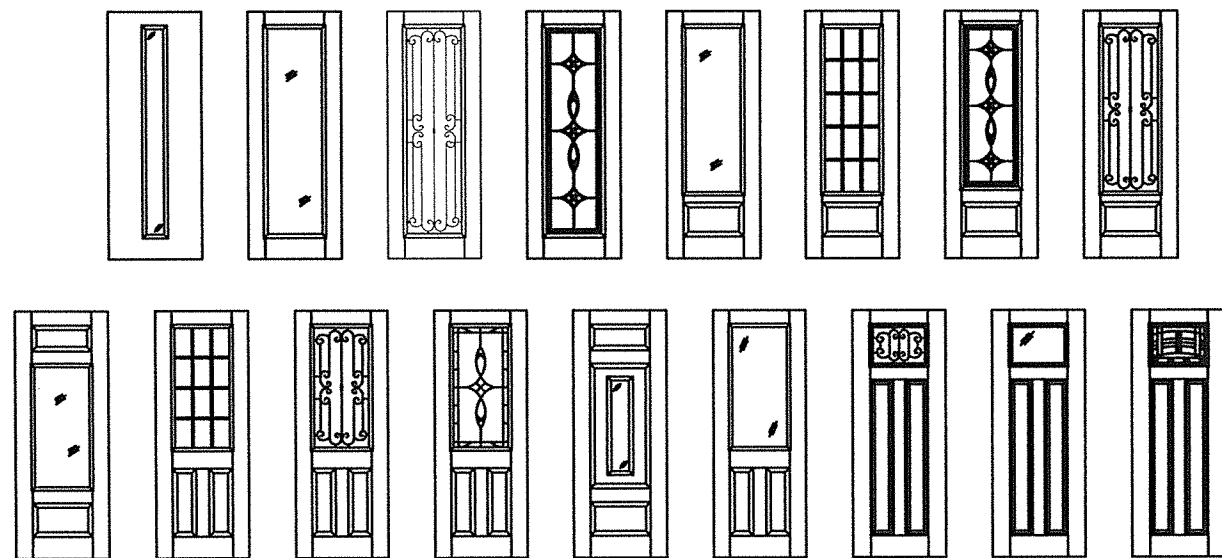
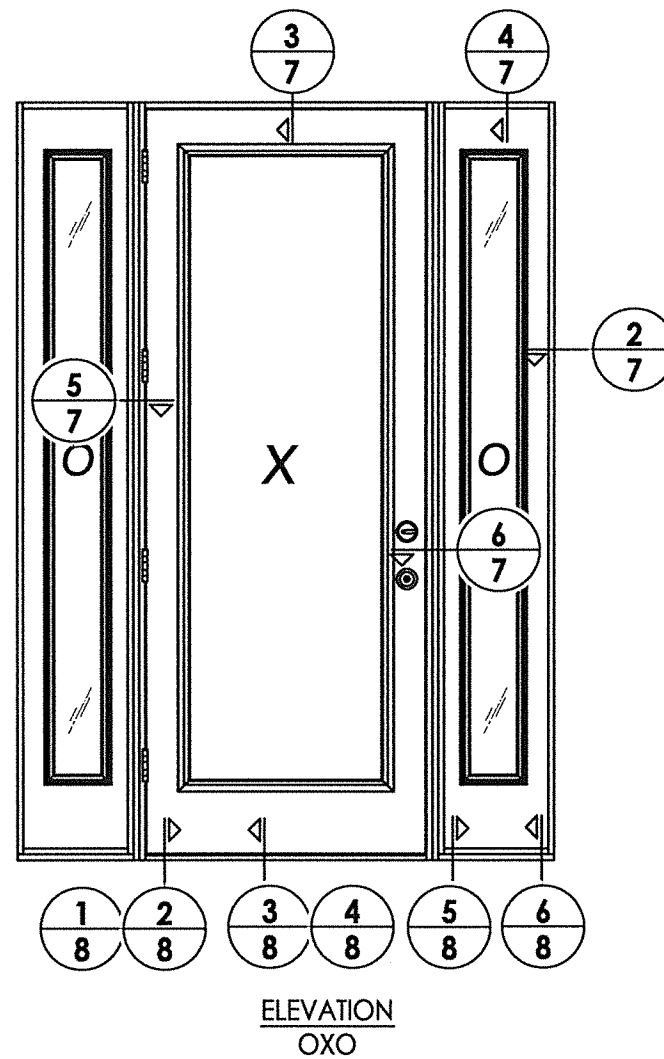
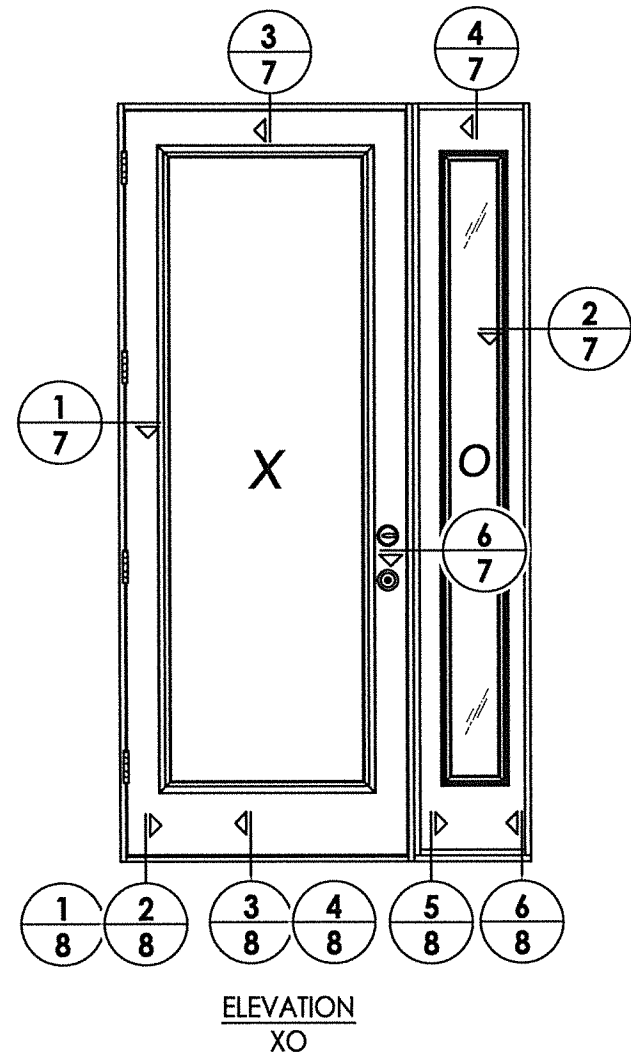


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RW BUILDING CONSULTANTS, INC.
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CERTIFICATE OF REGISTRATION # F-11852

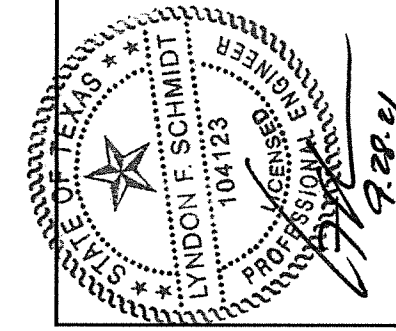
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NO.	DATE	DESCRIPTION	BY
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		REVISIONS	
DATE:		11/27/17	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		TX-4767	
SHEET		5 of 13	



Fiber-Classic/Smooth-Star Door Panel Options

Panel options shown are for illustration and are representative only
(similar glazed panel configurations are allowed)

HARDWARE TABLE	
MANUFACTURER	MODEL
SCHLAGE	KNOB: F51 DEADBOLT: B60
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)
HOPPE (THERMA-TRU)	MULTIPOINT : MPDGART (3 pt. Manual Tongue)



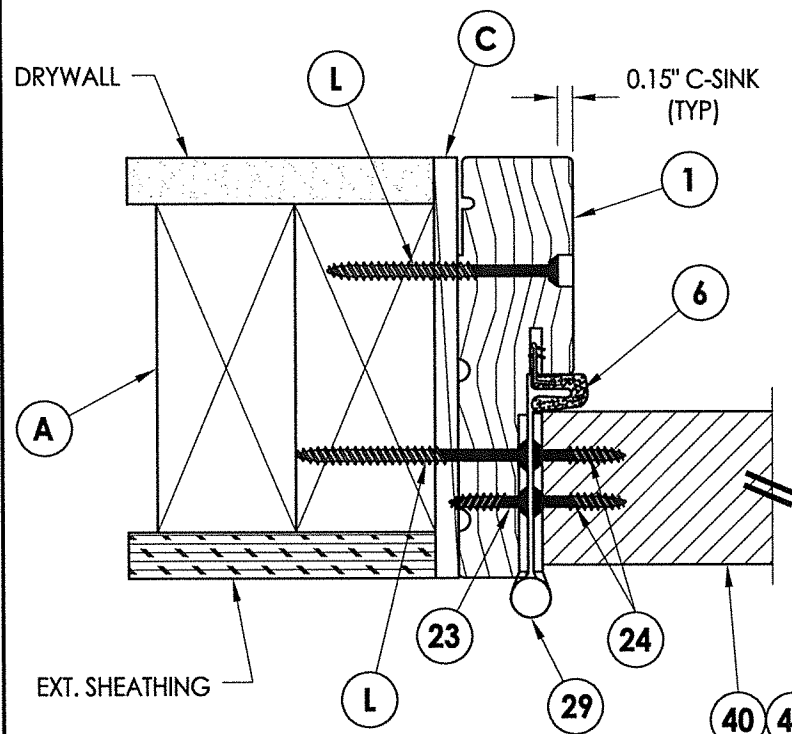
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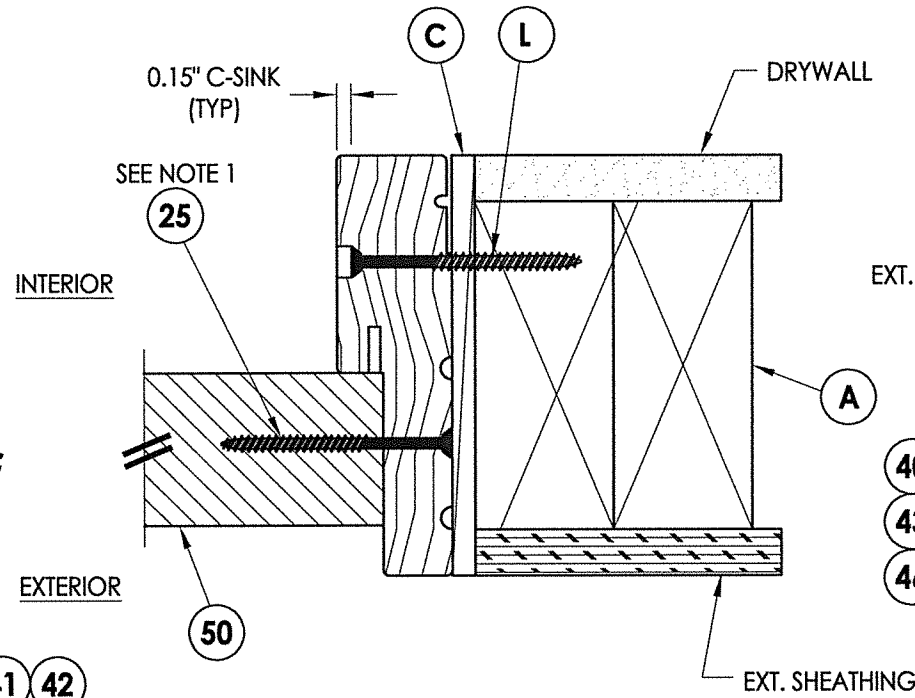
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PRODUCT:	THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:	ELEVATIONS	
DATE:	11/27/17	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4767	
SHEET	6 OF 13	
NO.	DATE	BY
1	9/27/21	LFS
UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		

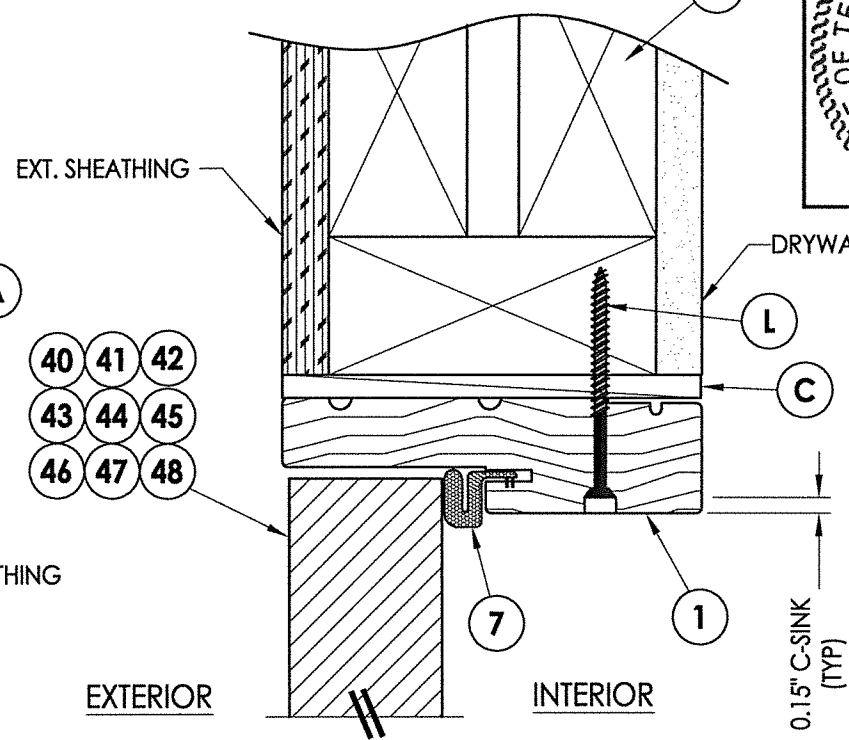
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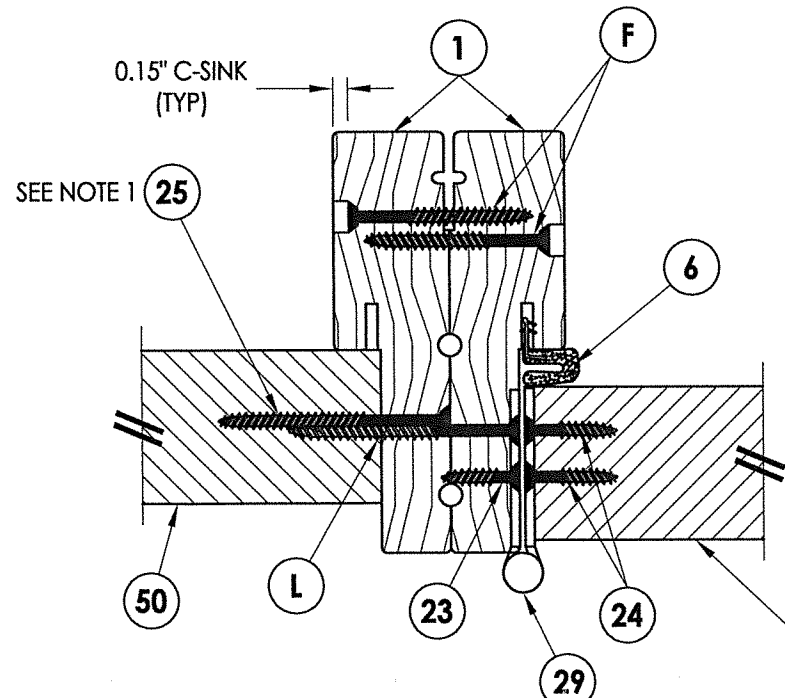
1 HORIZONTAL CROSS SECTION
7 Shown w/ 2X Buck
Outswing shown (Inswing similar)



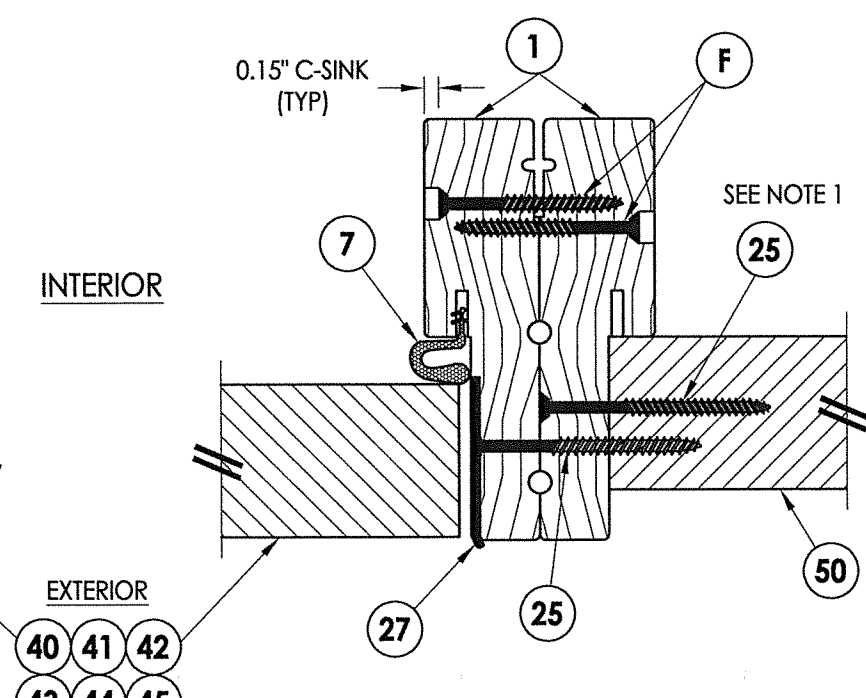
2 HORIZONTAL CROSS SECTION
7 Shown w/ 2X Buck
Outswing shown (Inswing similar)



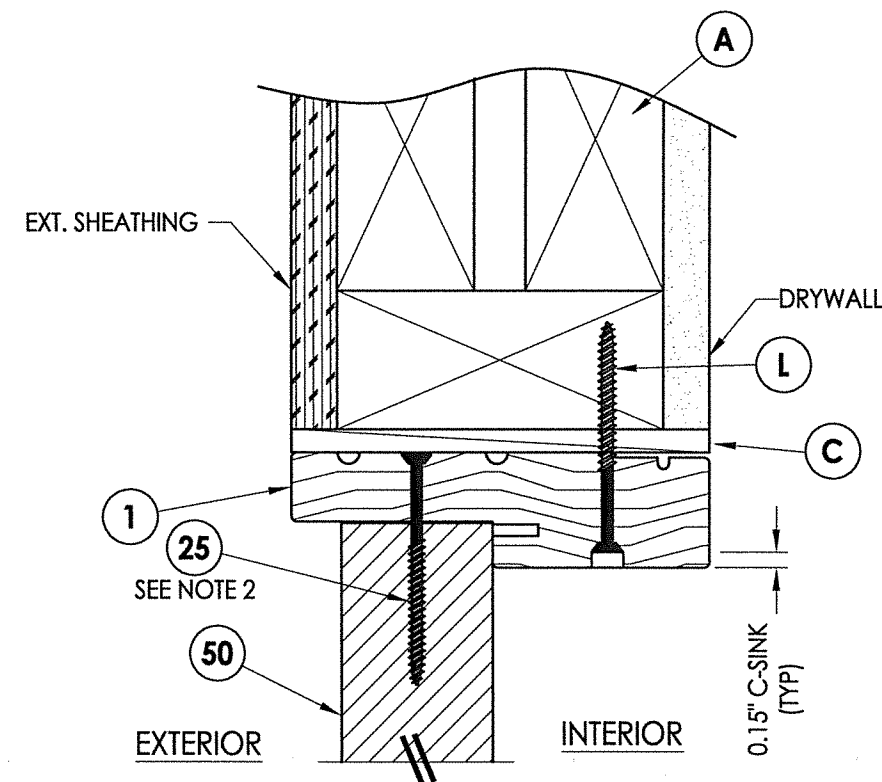
3 VERTICAL CROSS SECTION
7 Shown w/ 2X Buck
Outswing shown (Inswing similar)



5 HORIZONTAL CROSS SECTION
7 Outswing shown (Inswing similar)

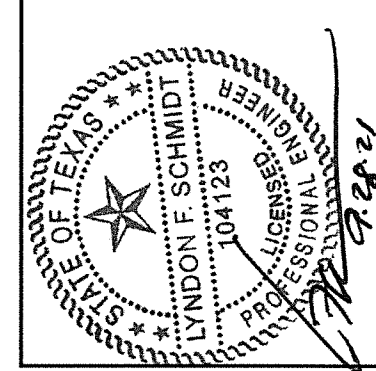


6 HORIZONTAL CROSS SECTION
7 Outswing shown (Inswing similar)



4 VERTICAL CROSS SECTION
7 Shown w/ 2X Buck
Outswing shown (Inswing similar)

Notes:
1. Sidelite assembly screws located 6" from each end and 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along head jamb).



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

PRODUCT:	Therma-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	HORIZONTAL & VERTICAL CROSS SECTIONS

NO.	DATE	DESCRIPTION	BY
1	9/27/21	UPDATE TO 2018 IBC/IRC CODE	LFS

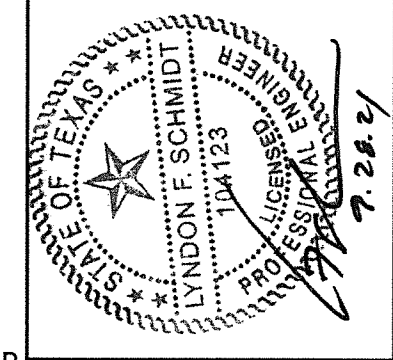
DATE:	11/27/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4767
SHEET	7 OF 13

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Z:\Clients\Therma Tru PERMANENT\B - Texas Dept of Ins\TDI - DR 946 - 6'8 & 8'0 Glazed Comp Edge Non-Impact (TX 4761 - 4770)\C - Drawings\TX-4766-68.dwg

Notes:

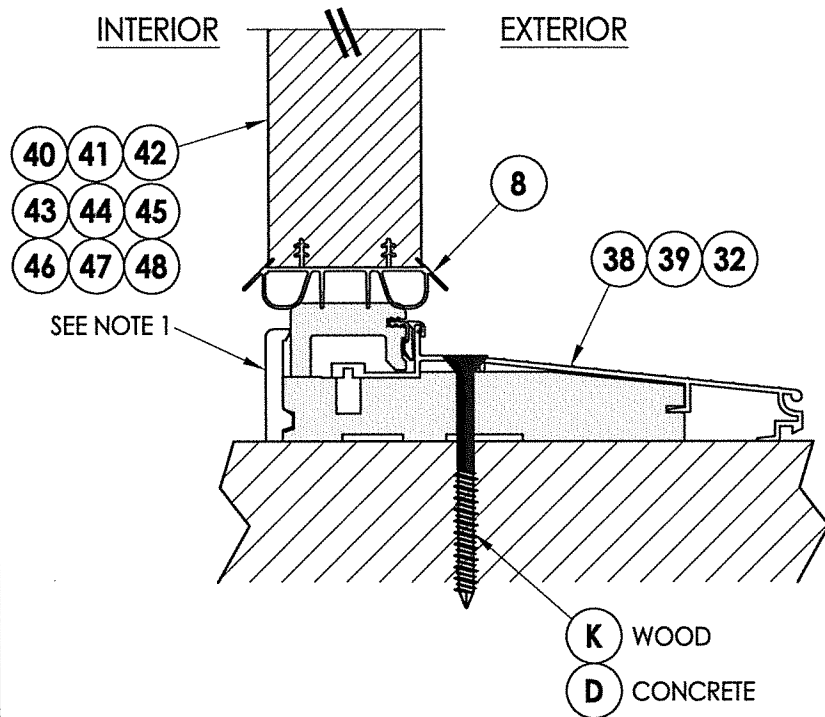
- Sill Item #'s 16, 32, 33, 34, 35, 36, 37, 38 & 39 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 17 & 18 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
Sill Item #15 is attached to jambs utilizing (2) #10 X 1-1/2" pph screws at each end.
- Sidelite assembly screws located 4" from each end (2 screws along sill).



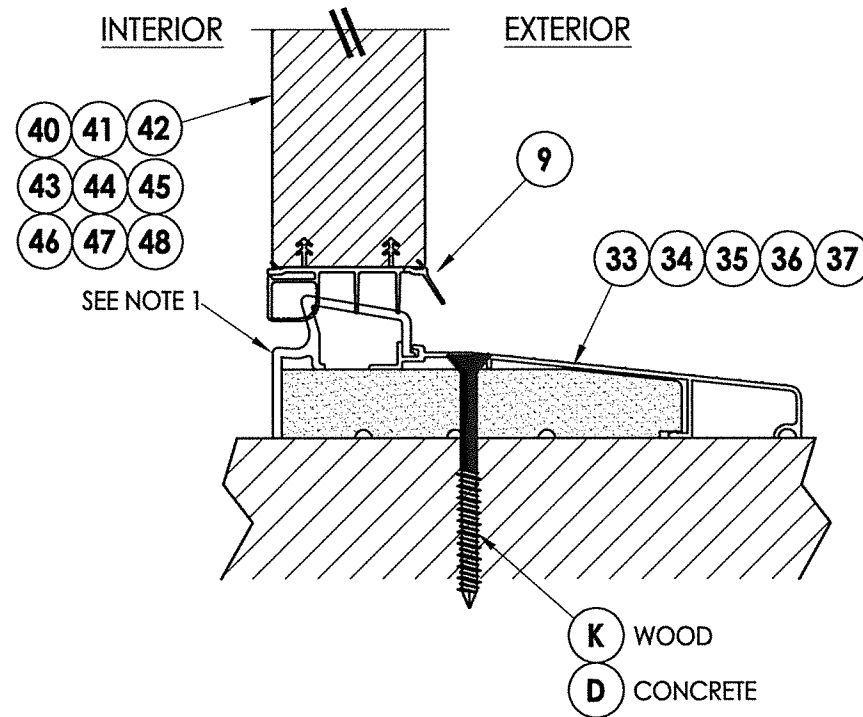
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P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

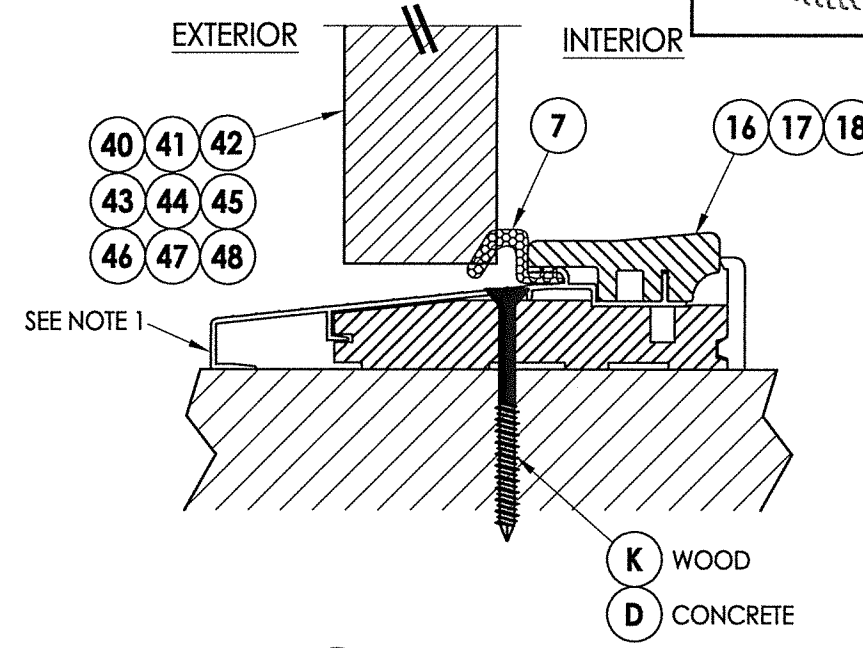
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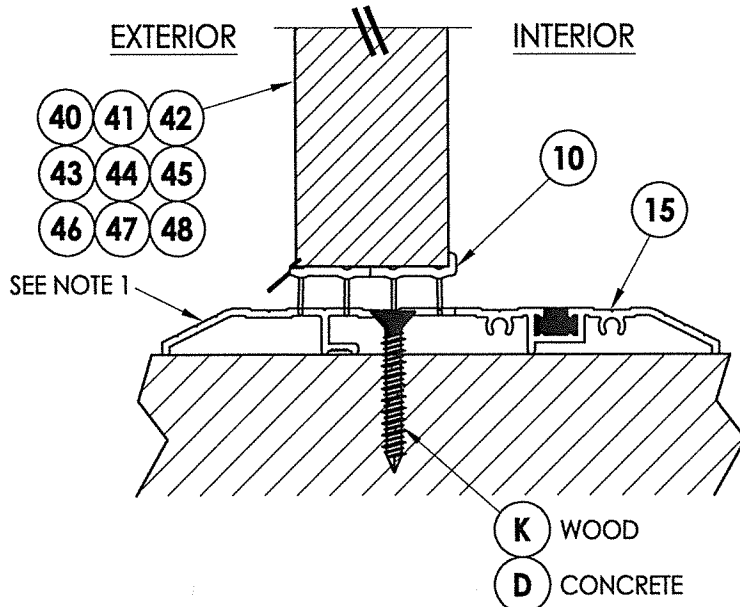
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8 Inswing Sill



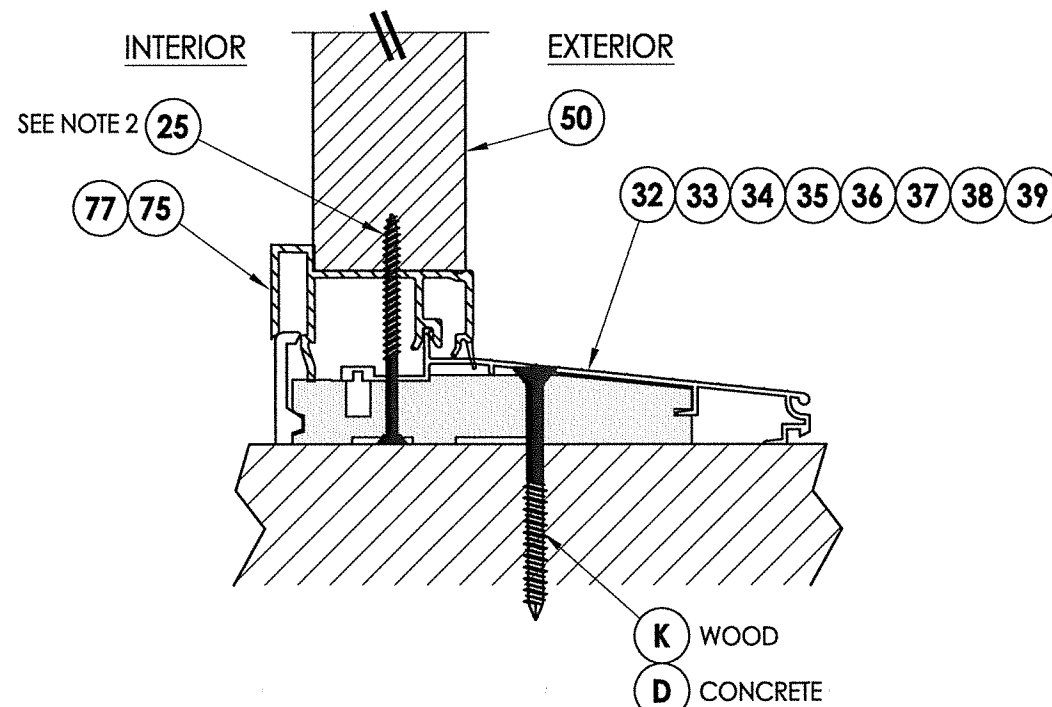
2 VERTICAL CROSS SECTION
8 Inswing Sill



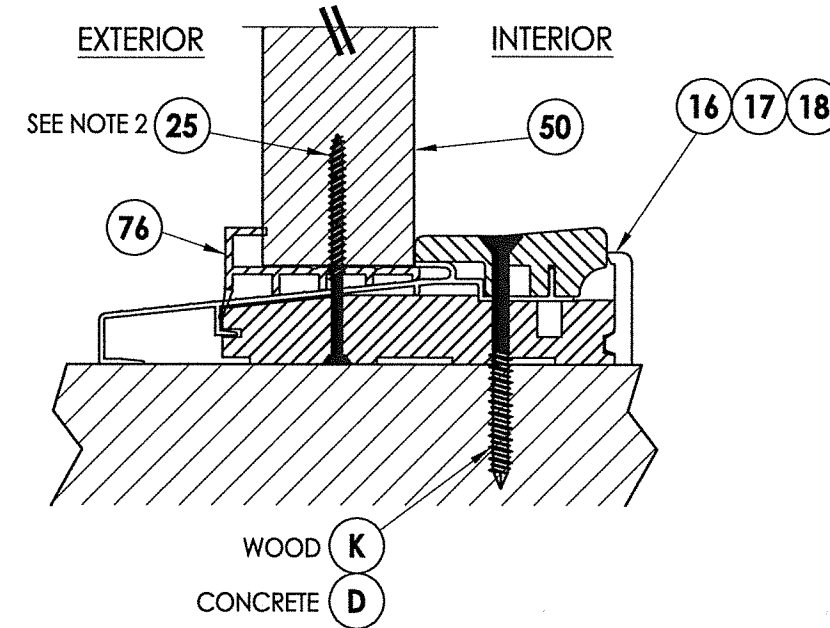
3 VERTICAL CROSS SECTION
8 Outswing Sill



4 VERTICAL CROSS SECTION
8 Public Access Sill

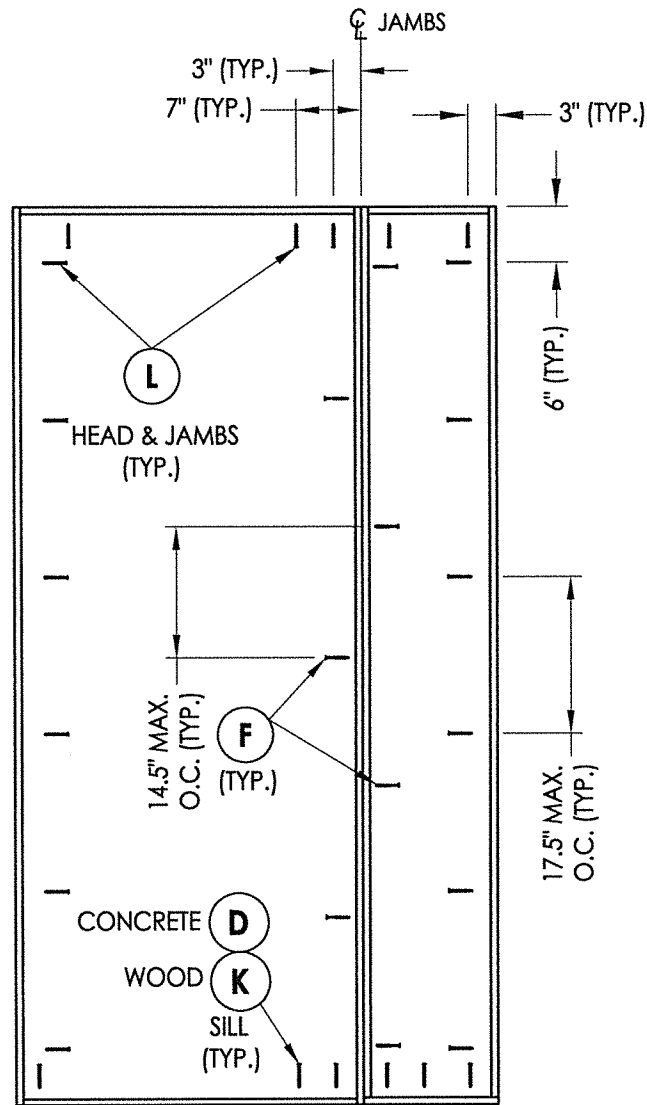
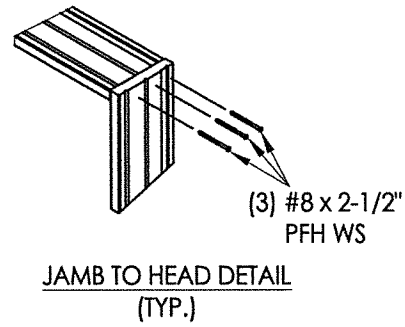


5 VERTICAL CROSS SECTION
8 Inswing Sill



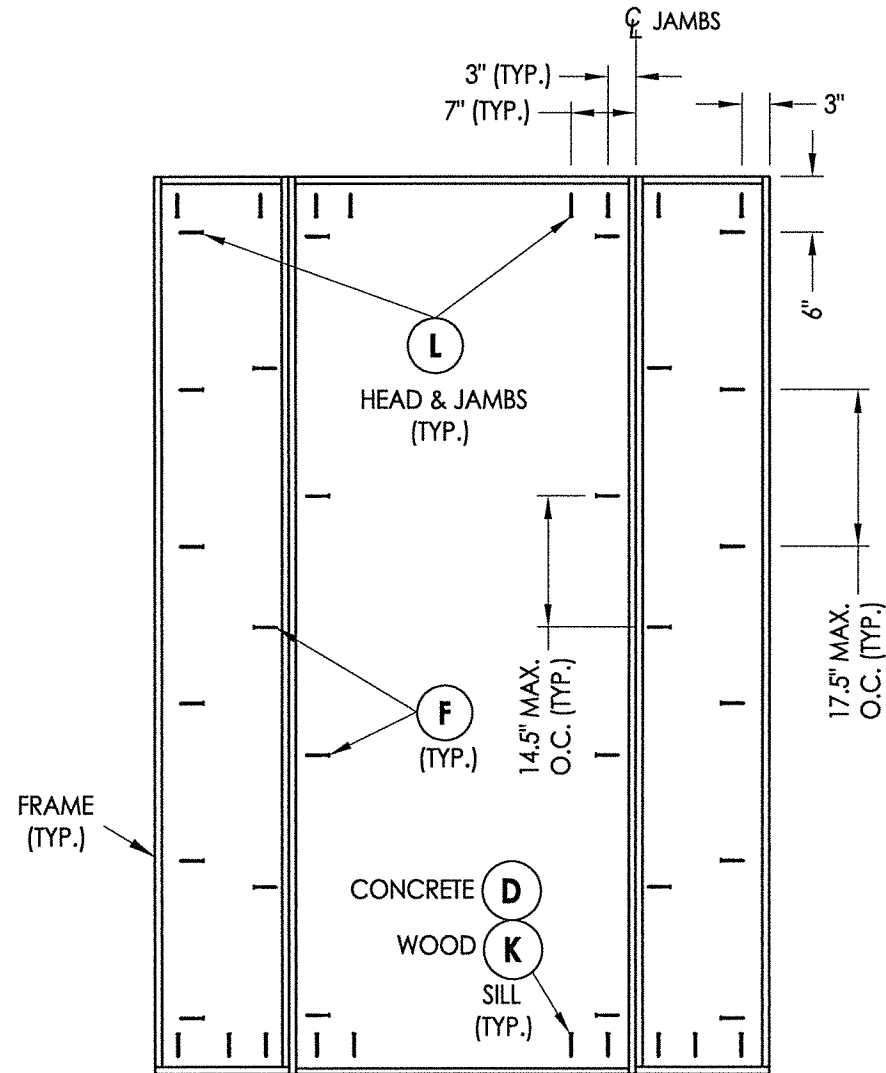
6 VERTICAL CROSS SECTION
8 Outswing Sill

PRODUCT:	Therma-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS (THRESHOLDS)	
NO.	DATE	BY
1	9/27/21	LFS
UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		
DATE:	11/27/17	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4767	
SHEET	8	OF 13

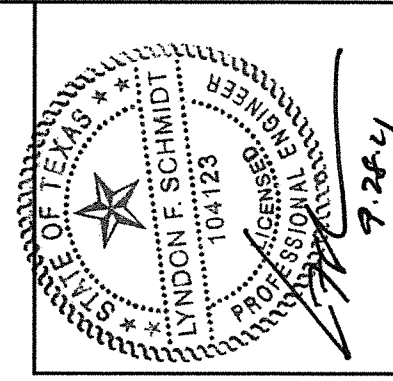


FRAME ANCHORING

FRAME ANCHORING



FRAME ANCHORING



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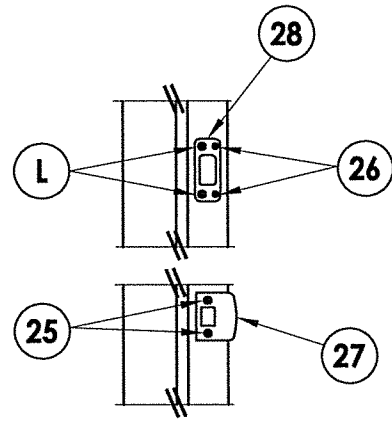
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Vairico FL, 33595
Phone No.: 813.659.9197

CERTIFICATE OF REGISTRATION # F-11852

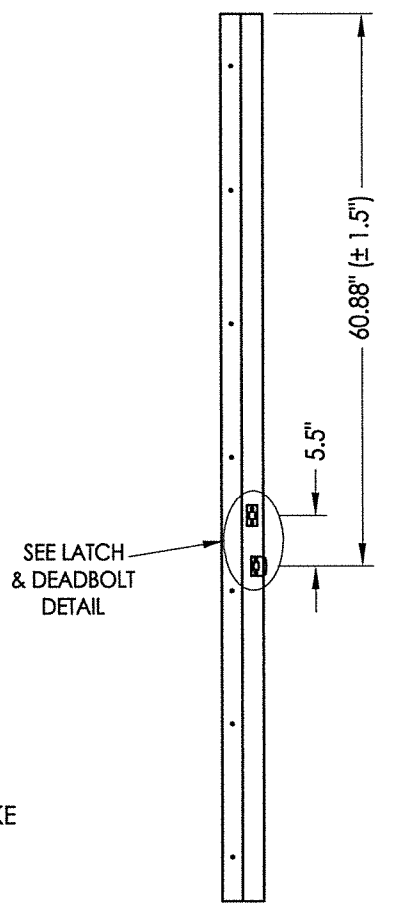
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PART OR ASSEMBLY:	FRAME ANCHORING

NO.	DATE	DESCRIPTION	BY
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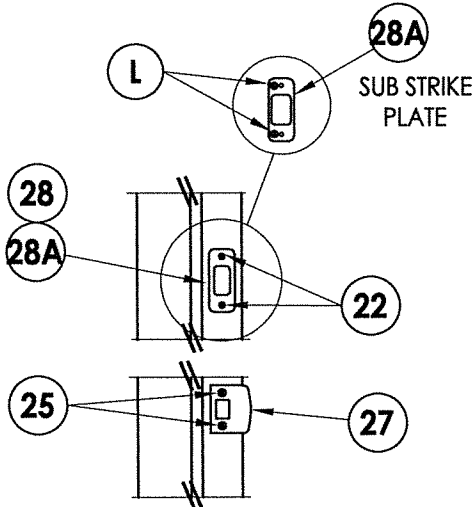
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DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4767
SHEET	9 OF 13



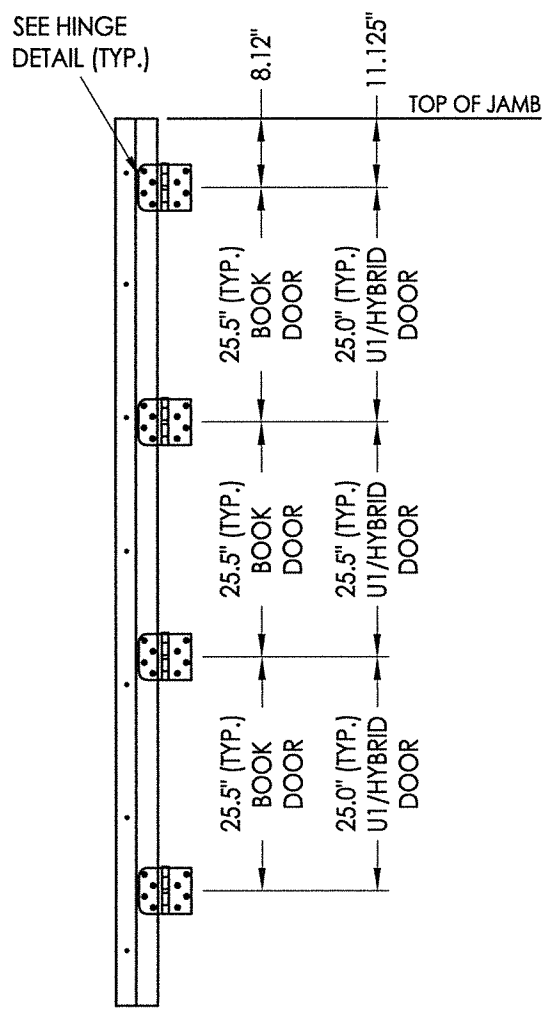
LATCH & DEADBOLT DETAIL
Kwikset



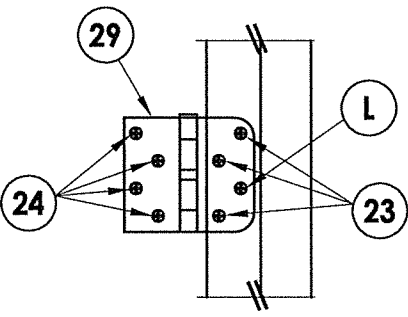
STRIKE JAMB
Latch and Deadbolt



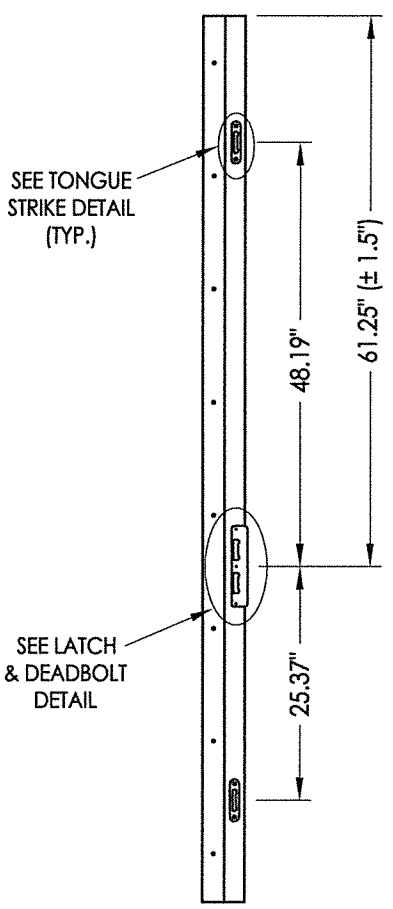
LATCH & DEADBOLT DETAIL
Schlage



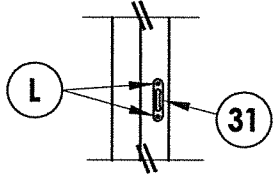
HINGE JAMB



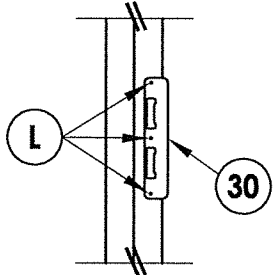
HINGE DETAIL



STRIKE JAMB
Multipoint Lock



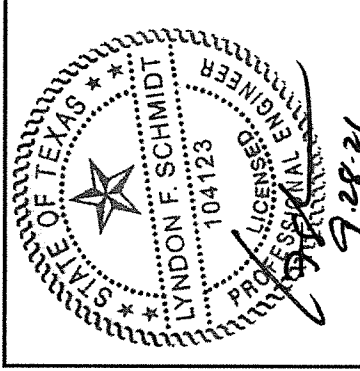
TONGUE STRIKE DETAIL
Multipoint Lock



LATCH & DEADBOLT DETAIL
Multipoint Lock

LATCH & DEADBOLT STRIKE DETAILS

MULTIPOINT LOCK STRIKE DETAILS



Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

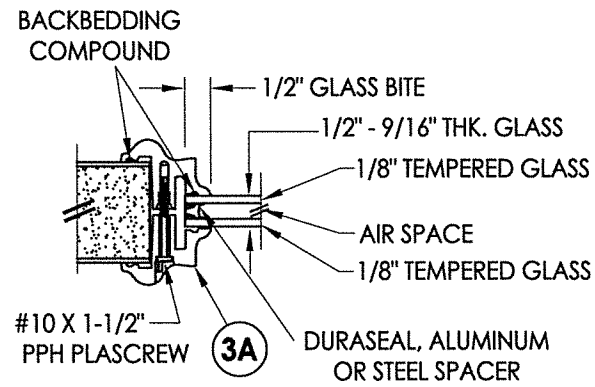
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Vairico FL 33595
Phone No.: 813.659.9197

CERTIFICATE OF REGISTRATION # F-11852

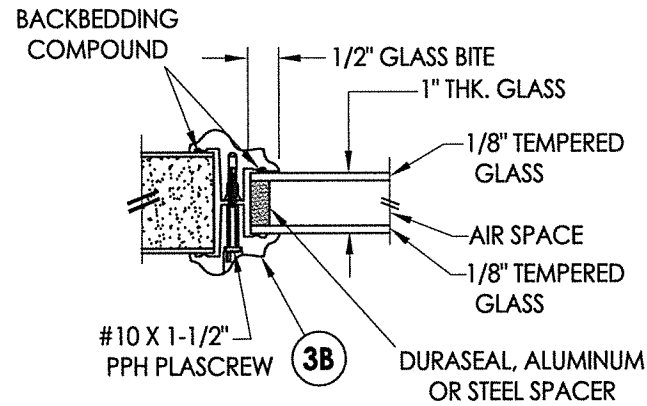
PRODUCT:	Therma-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	HARDWARE DETAILS

NO.	DATE	DESCRIPTION	LFS	BY
1	9/27/21	UPDATE TO 2018 IBC/IRC CODE	LFS	

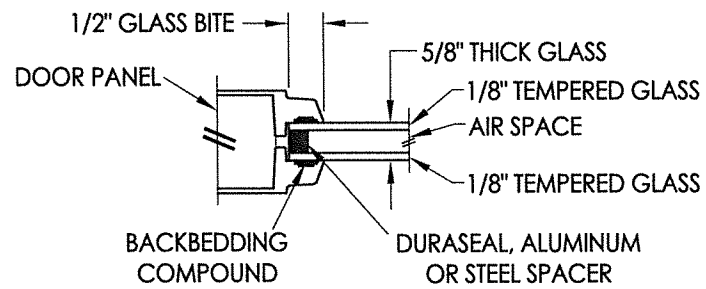
DATE:	11/27/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4767
SHEET	10 of 13



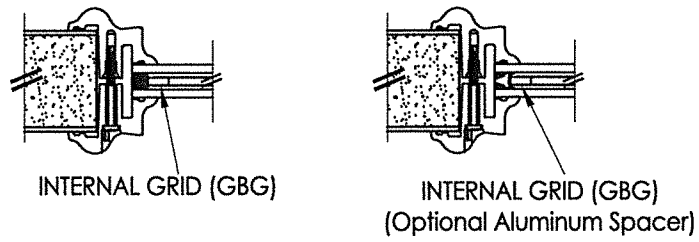
G1 GLAZING DETAIL
BTS Lite Frame
Door Panels & Sidelites



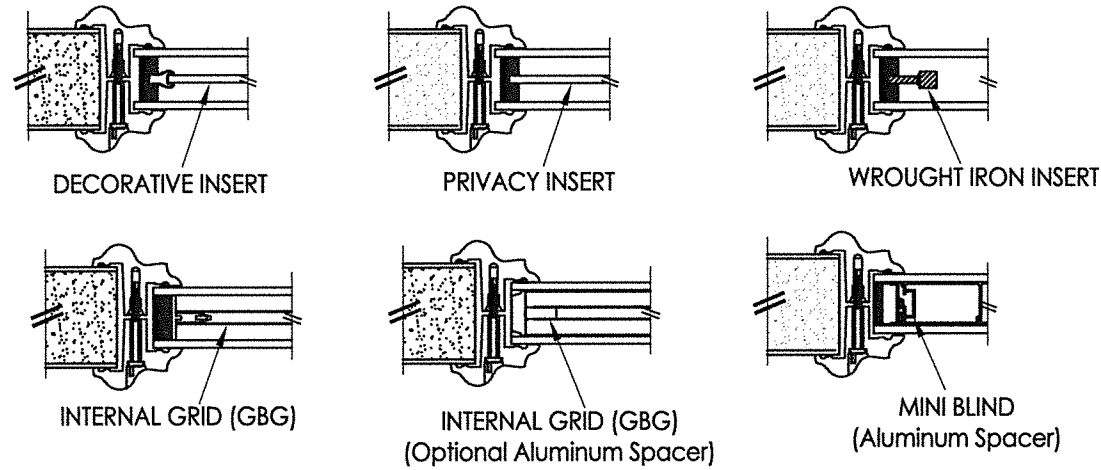
G2 GLAZING DETAIL
BTS Lite Frame
Door Panels & Sidelites



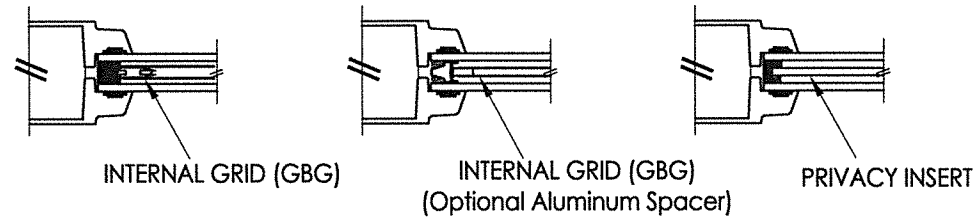
G3 GLAZING DETAIL
Flush Glazing
Door Panels



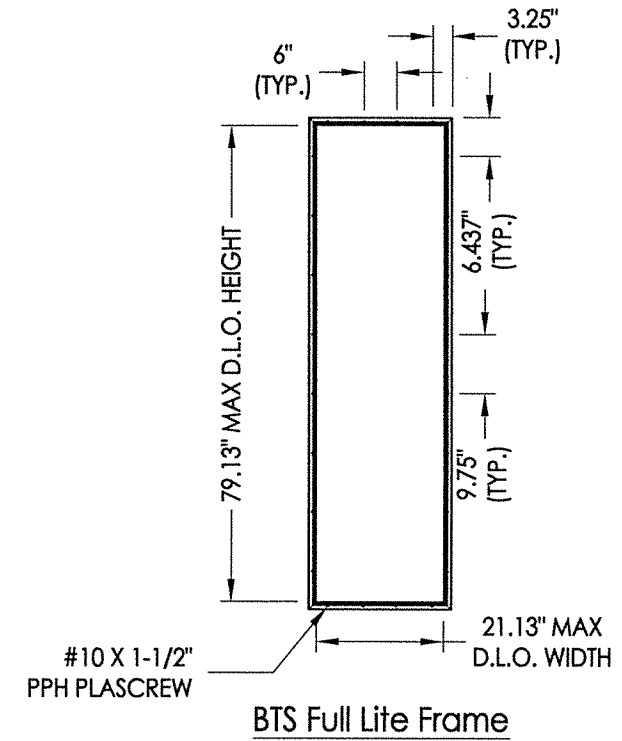
9/16" INSULATED GLASS INSERT OPTIONS



1" INSULATED GLASS INSERT OPTIONS

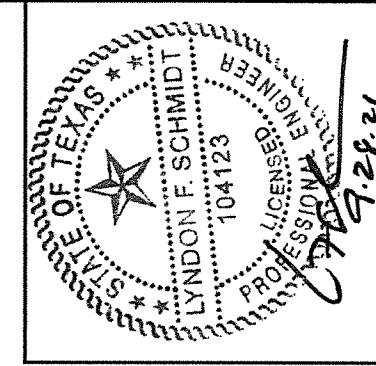


5/8" INSULATED GLASS INSERT OPTIONS



3A BTS LITE FRAME
1/2" & 9/16" Glazing

3B BTS LITE FRAME
1" Glazing



Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

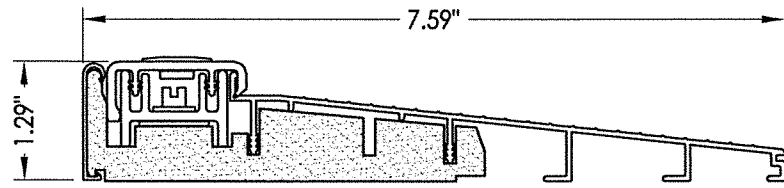
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

CERTIFICATE OF REGISTRATION # F-11852

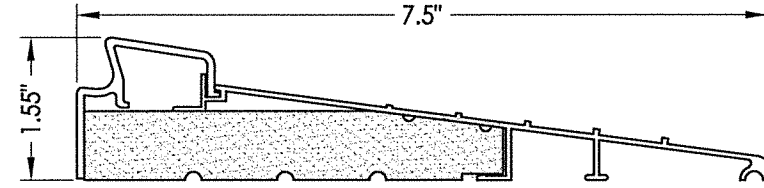
PRODUCT: THERMA-TRU
FIBERGLASS DOOR
PART OR ASSEMBLY:
GLAZING DETAILS

NO.	DATE	DESCRIPTION	BY
1	9/27/21	UPDATE TO 2018 IBC/IRC CODE	LFS

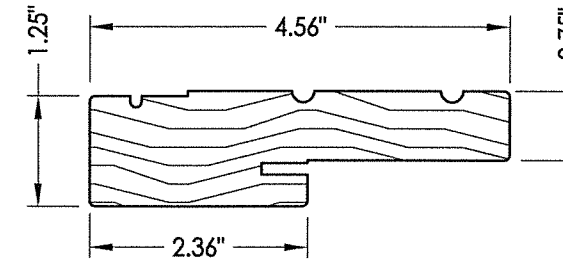
DATE: 11/27/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4767
SHEET 11 OF 13



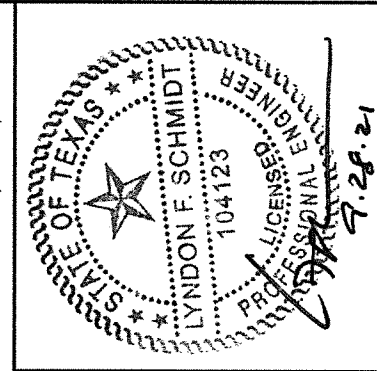
32 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill 7-1/2"



37 INSWING THRESHOLD
Inswing Basic Fixed 7-1/2" Sill



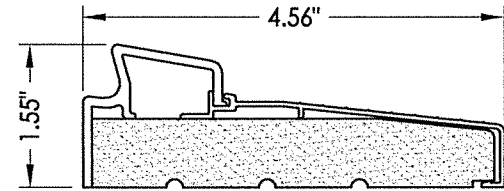
1 WOOD JAMB



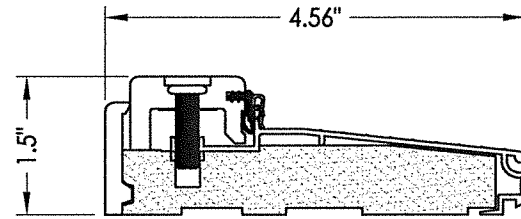
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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

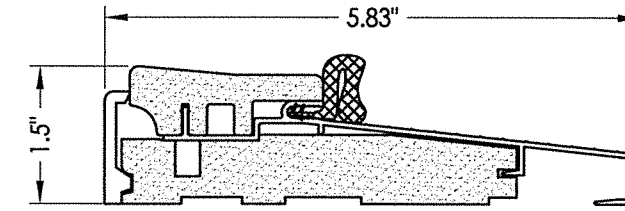
CERTIFICATE OF REGISTRATION # F-11852



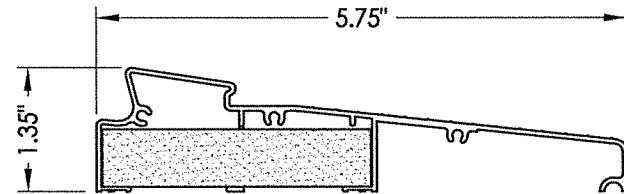
33 INSWING THRESHOLD
Inswing Basic Fixed Sill



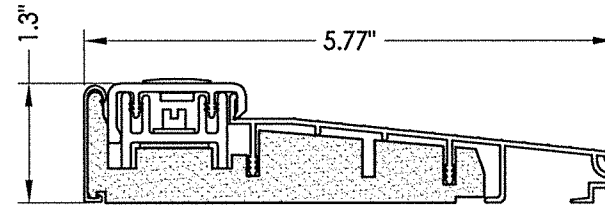
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



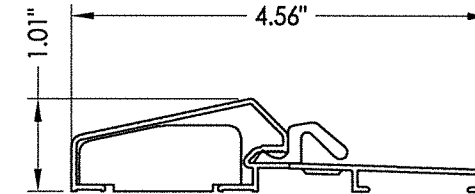
16 OUTSWING THRESHOLD
Composite Sill



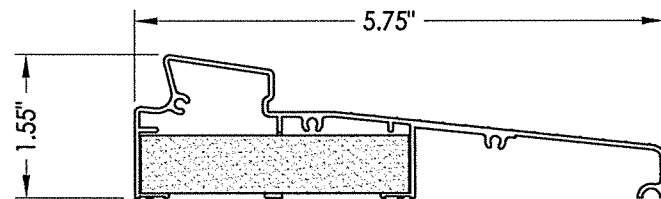
34 INSWING THRESHOLD
Inswing Moderate Climate Sill 1-3/8"



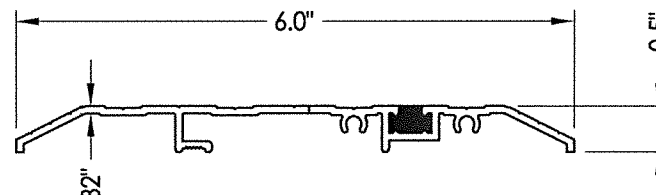
39 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill



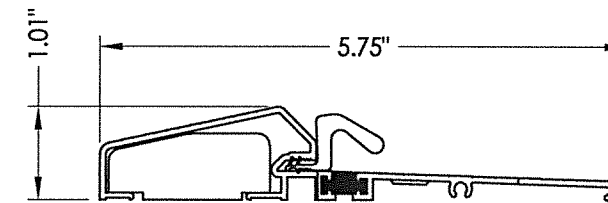
17 OUTSWING THRESHOLD
Composite / Aluminum Sill



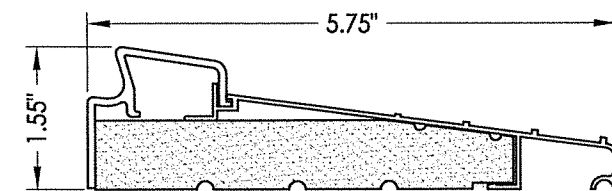
35 INSWING THRESHOLD
Inswing Moderate Climate Sill



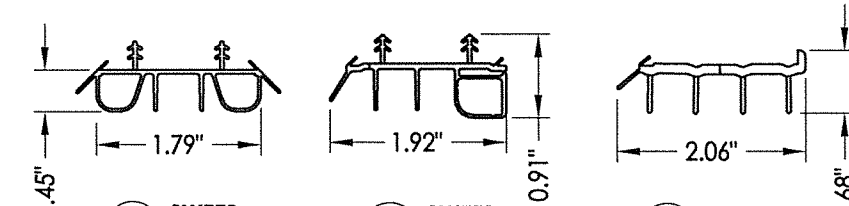
15 PUBLIC ACCESS THRESHOLD



18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



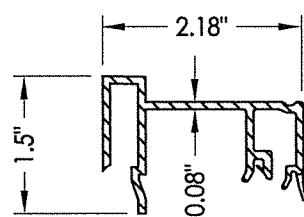
36 INSWING THRESHOLD
Inswing Basic Fixed 5-3/4" Sill



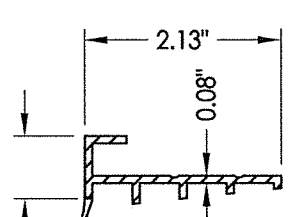
8 SWEEP

9 SWEEP

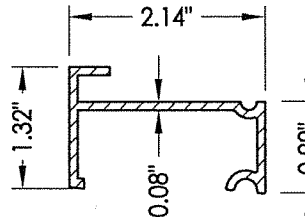
10 SWEEP



75 SIDELITE SPACER
Inswing



76 SIDELITE SPACER
Outswing



77 SIDELITE SPACER
Inswing
Moderate Climate Threshold

PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		COMPONENTS	
NO.	DATE	DESCRIPTION	BY
1	9/27/21	UPDATE TO 2018 IBC/IRC CODE	LFS
REVISIONS			
DATE: 11/27/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4767			
SHEET 12 OF 13			

