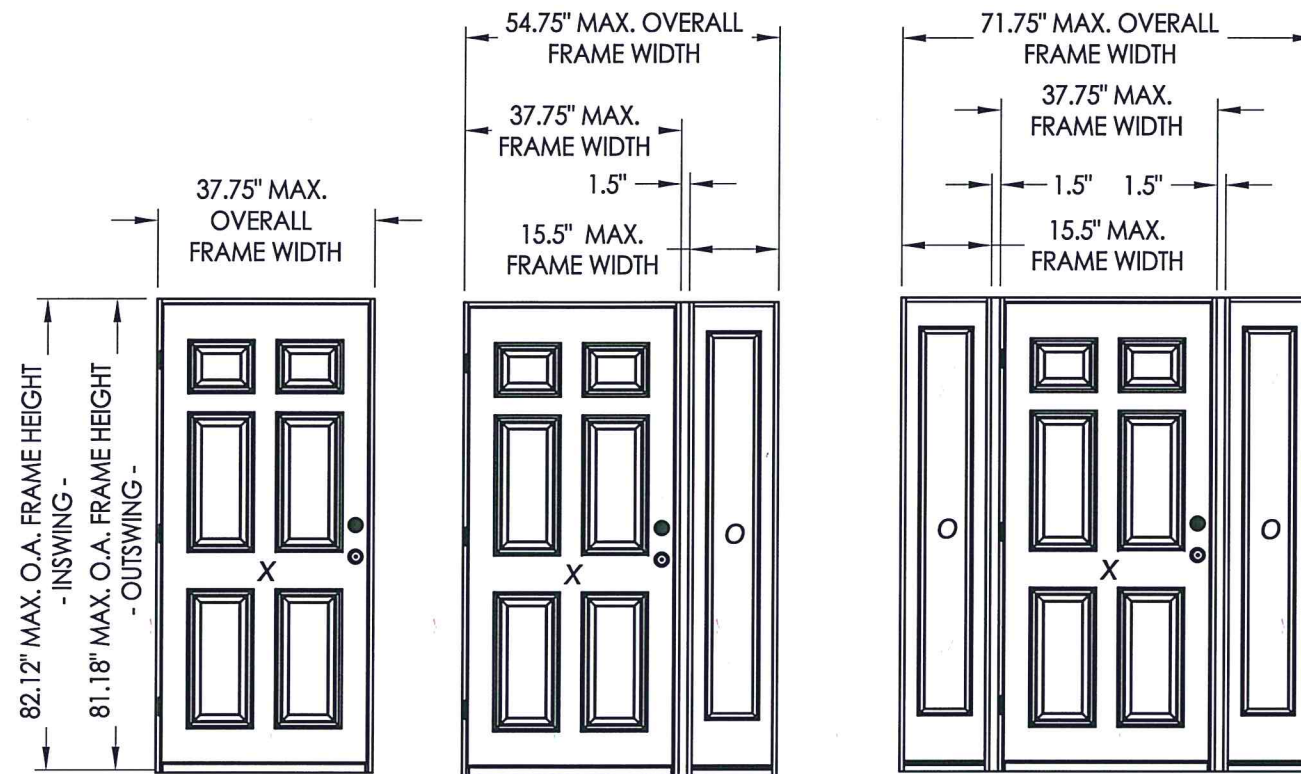


### "Traditions" Series

## Opaque "Impact" Steel Door w/ or w/o "Non-Impact" Sidelites

### INSWING / OUTSWING



#### EVALUATED FOR USE IN THE STATE OF TEXAS

The Steel 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, the opaque door does not require impact protection while the sidelites are required to be protected with an impact resistant covering that complies with Section R301.2.1.2 of the IRC and Section 1609.2 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 and glazing detail
4	Elevations
5	Horizontal cross section
6	Vertical cross sections
7	Vertical cross sections
8	Frame anchoring
9	Frame anchoring
10	Bill of materials and components

CONFIGURATION	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	SWING	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
X	37.75" x 82.12"	N/A	INSWING	+55.0	-60.0
	37.75" x 81.18"		OUTSWING	+55.0	-55.0
OX or XO	54.75" x 82.12"	6.0" x 63.0"	INSWING	+55.0	-60.0
	54.75" x 81.18"		OUTSWING	+55.0	-55.0
OXO	71.75" x 82.12"	6.0" x 63.0"	INSWING	+55.0	-60.0
	71.75" x 81.18"		OUTSWING	+55.0	-55.0

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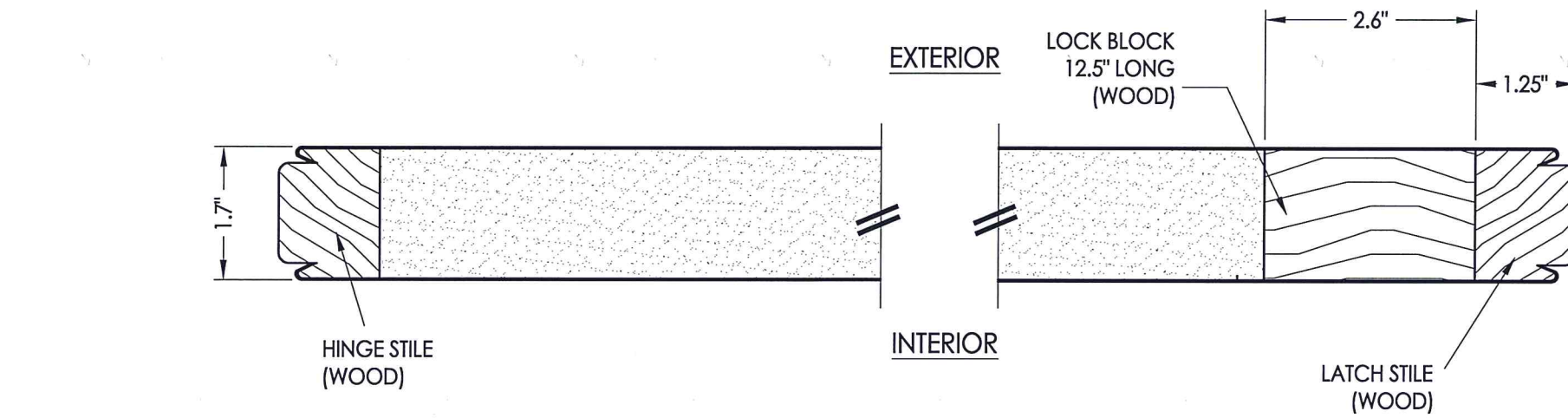
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: THERMA-TRU STEEL DOOR

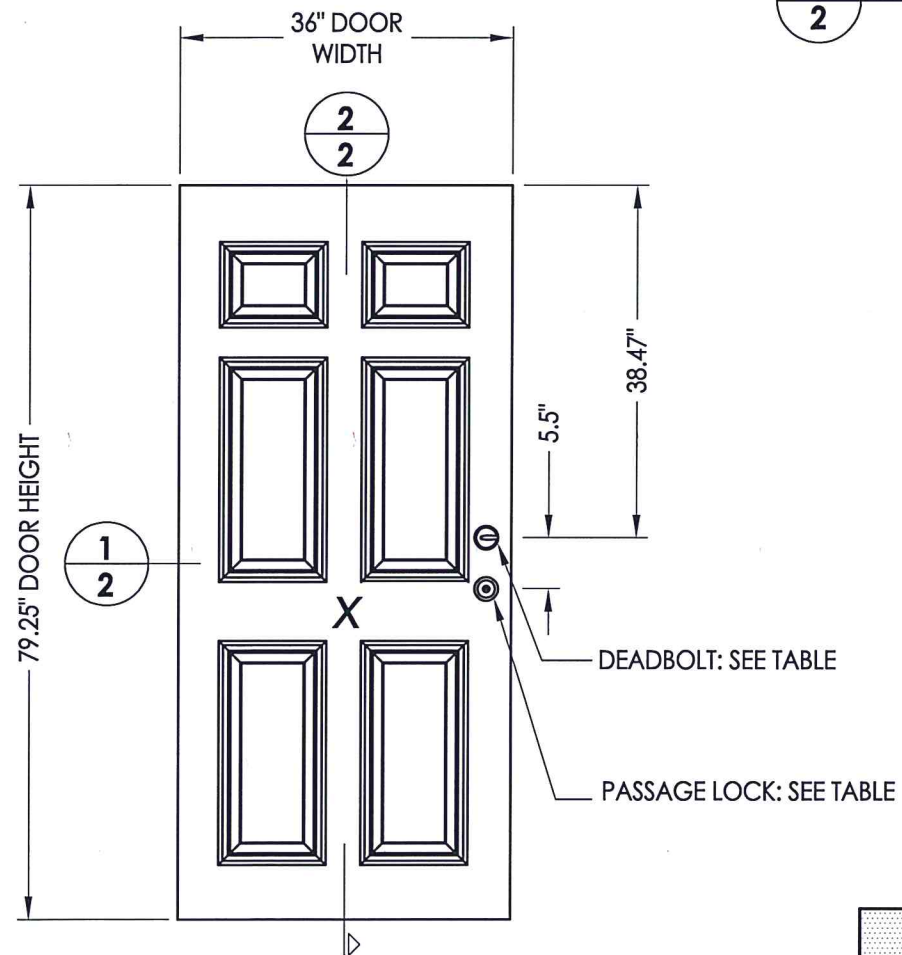
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	DESCRIPTION	BY
1	4/28/20	UPDATE TO 2018 IBC/IRC CODE	LFS

DATE: 01/23/13  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4302  
SHEET 1 OF 10

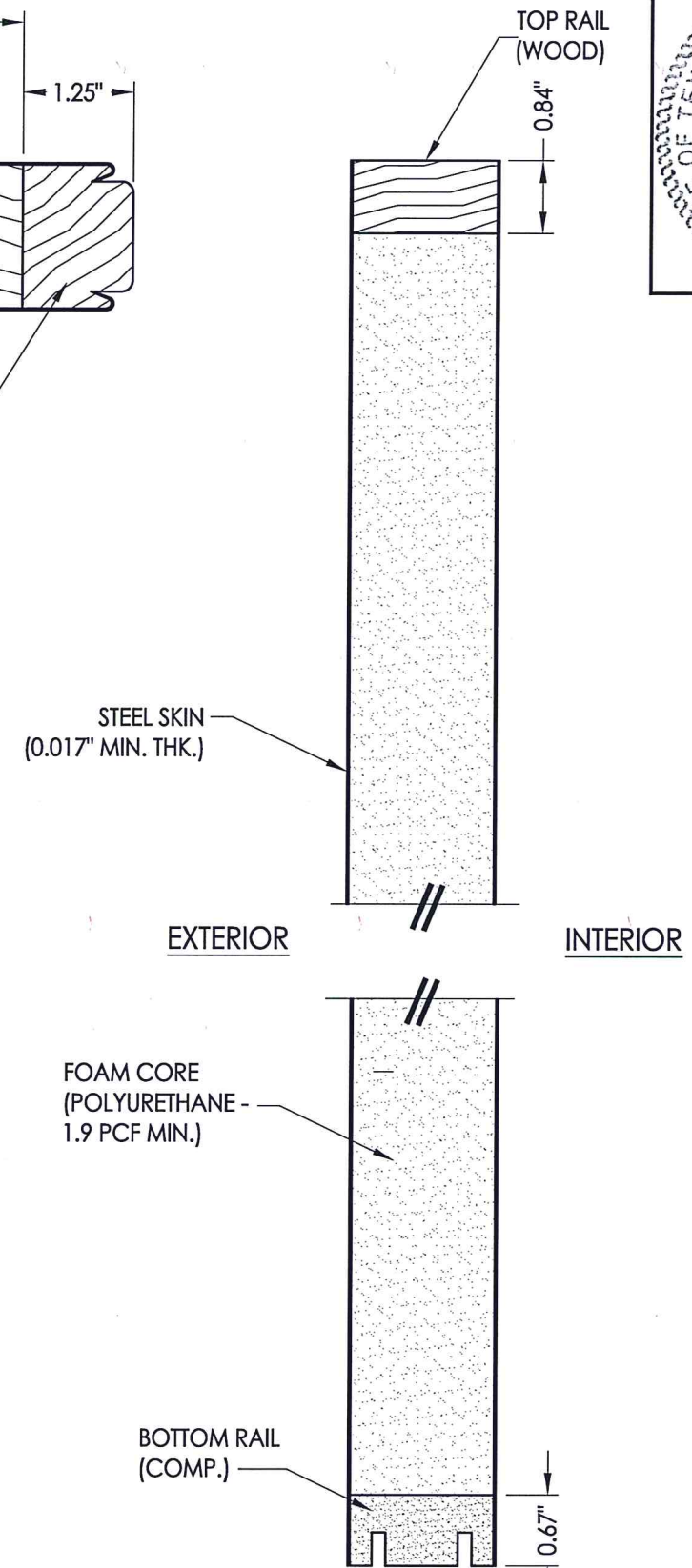


1  
2 HORIZONTAL CROSS SECTION

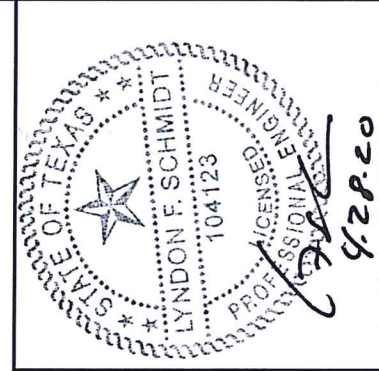


40 DOOR PANEL  
"Traditions" Series

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (780)
SCHLAGE	KNOB:	"F" SERIES (F10)
	DEADBOLT:	"B" SERIES (B60/62)



2  
2 VERTICAL CROSS SECTION



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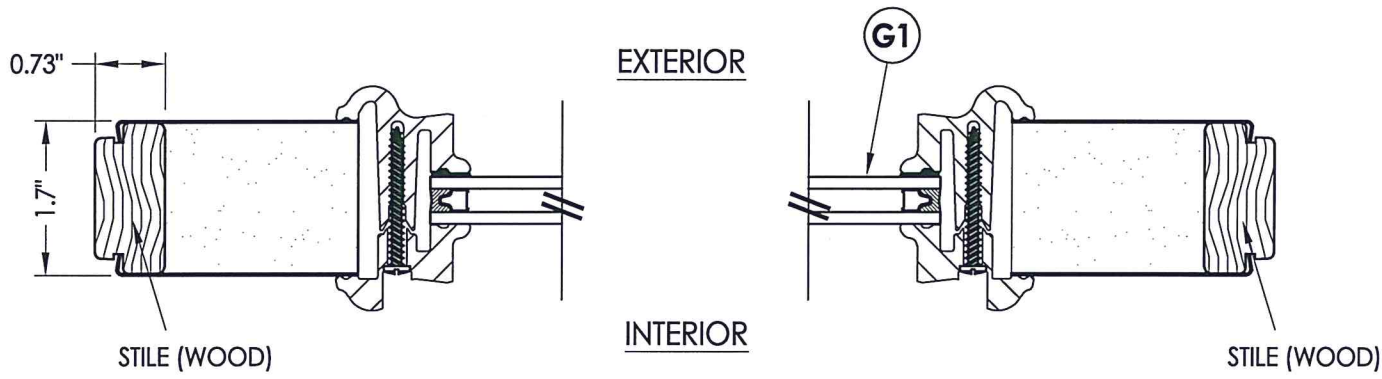
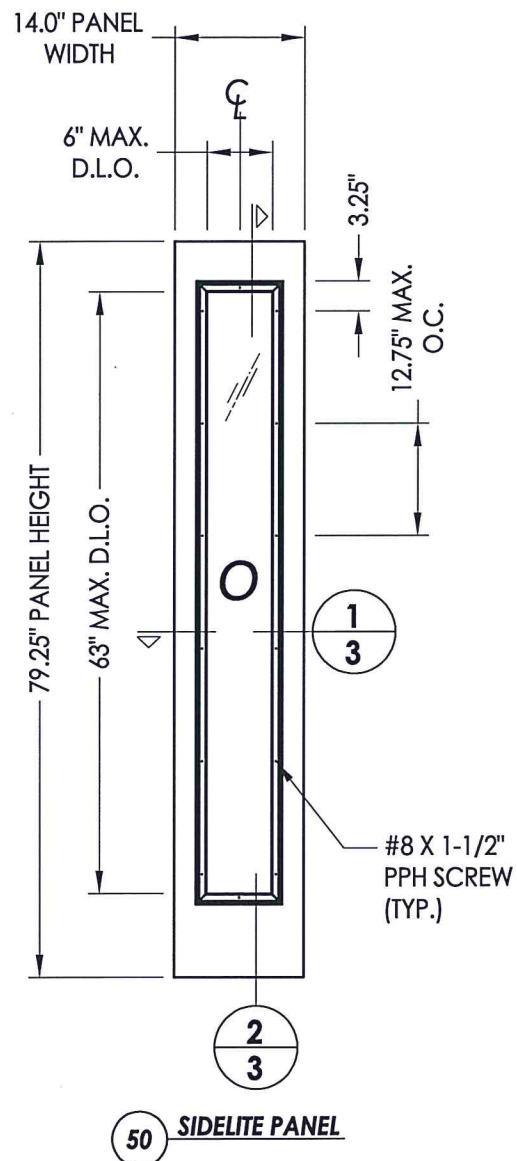
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TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	Therma-TRU STEEL DOOR
PART OR ASSEMBLY:	DOOR PANEL DETAILS

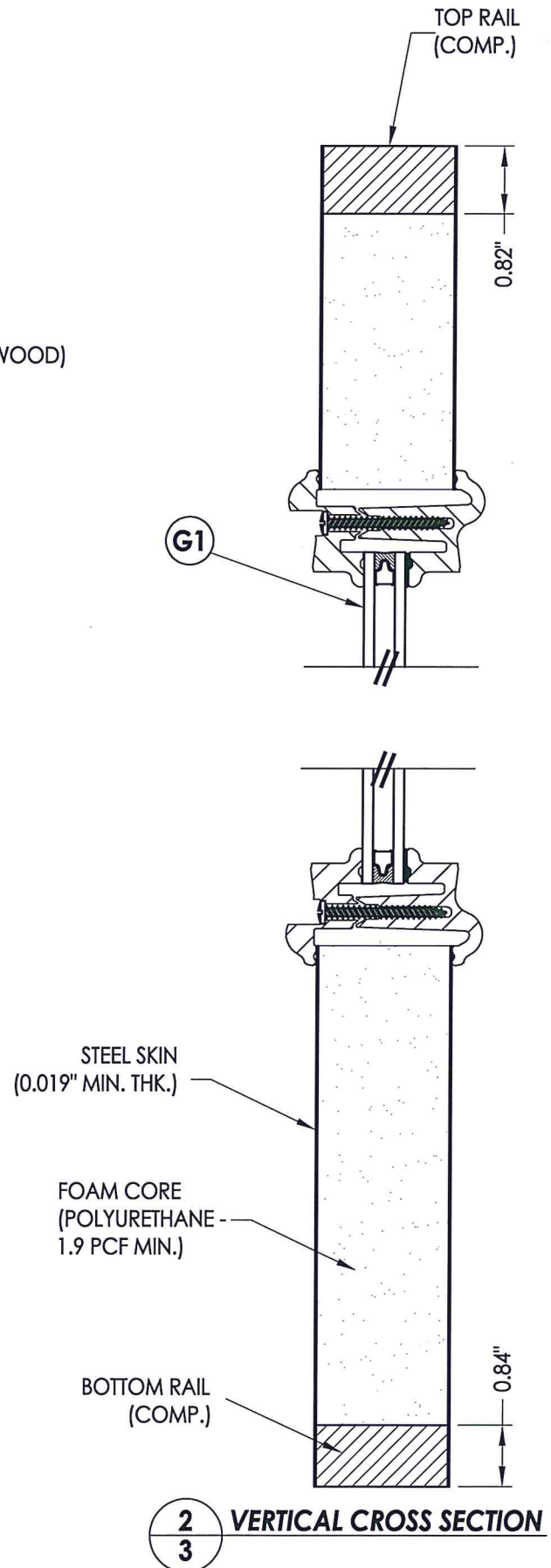
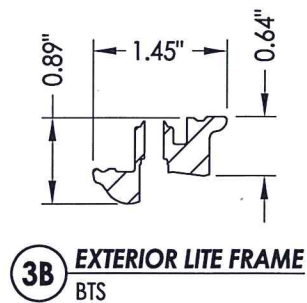
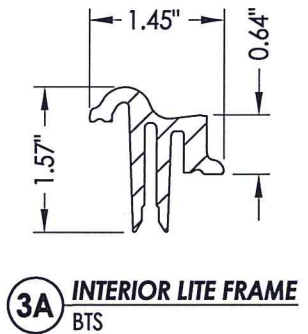
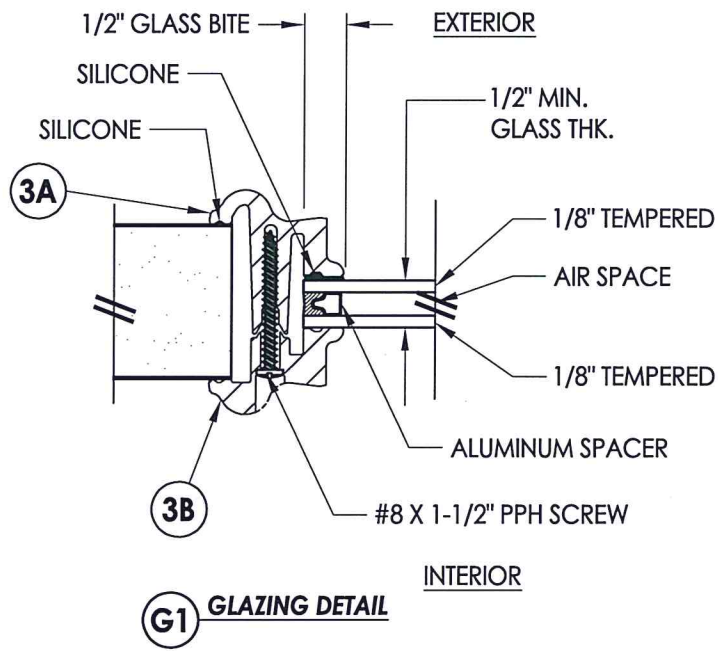
REVISIONS	
NO.	DATE
1	4/28/20
	UPDATE TO 2018 IBC/IRC CODE
	LFS
	BY

DATE:	01/23/13
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4302
SHEET	2 OF 10

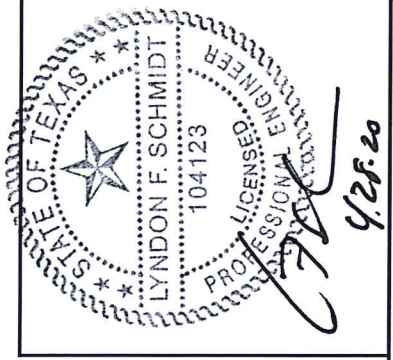
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1 HORIZONTAL CROSS SECTION



2 VERTICAL CROSS SECTION



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PRODUCT: THERMA-TRU STEEL DOOR

PART OR ASSEMBLY: SIDELITE PANEL DETAILS AND GLAZING DETAIL

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DATE: 01/23/13

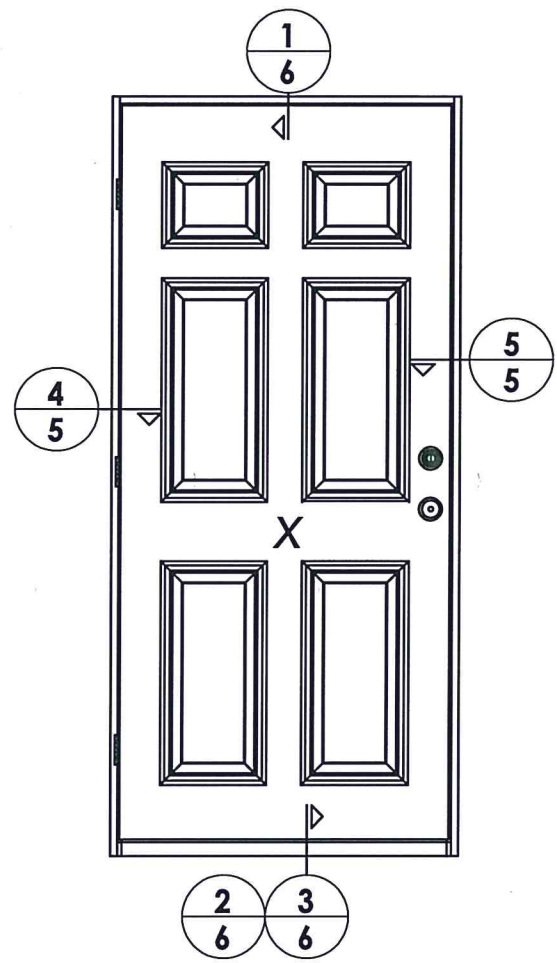
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DWG. BY: JK

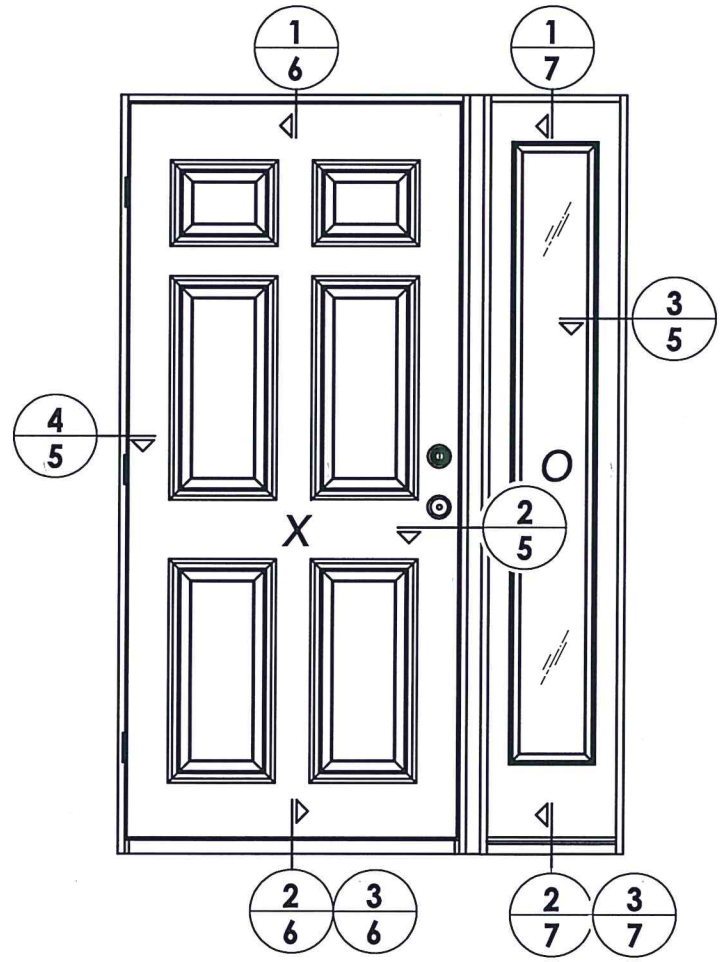
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DRAWING NO.: TX-4302

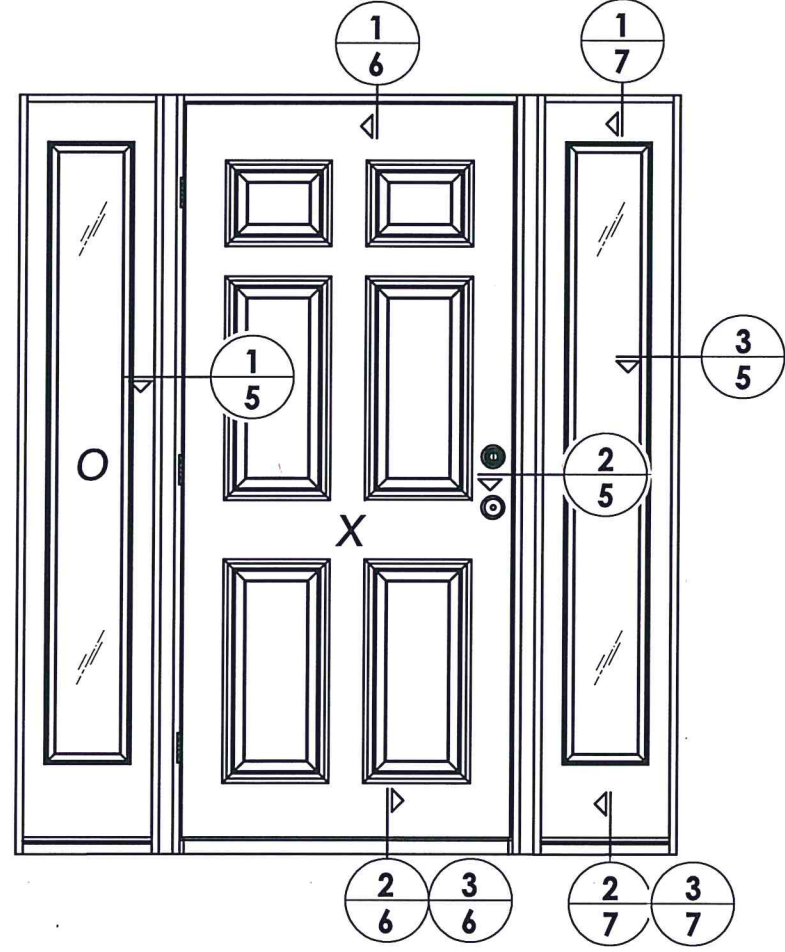
SHEET 3 OF 10



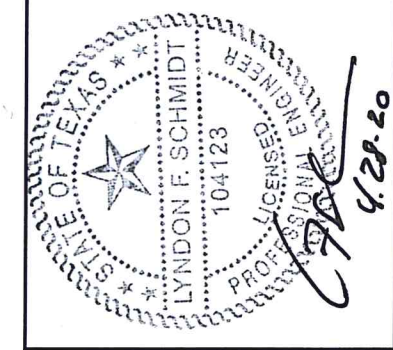
ELEVATION (X)



ELEVATION (OX / XO)



ELEVATION (OXO)



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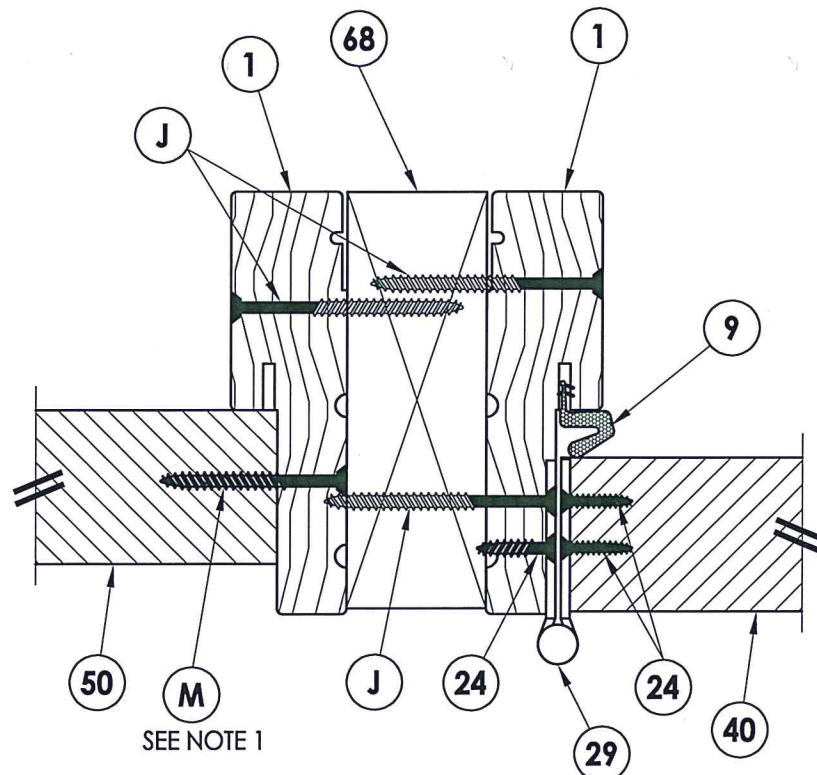
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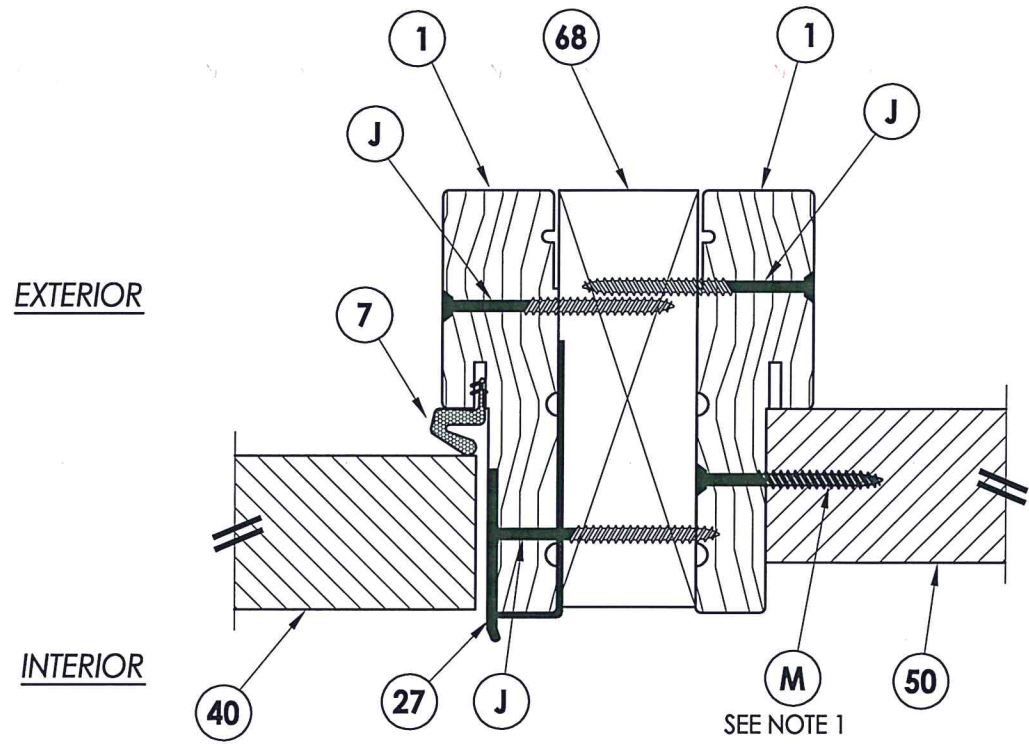
PRODUCT: THERMA-TRU STEEL DOOR  
PART OR ASSEMBLY: ELEVATIONS

NO.	DATE	REVISIONS	LFS	BY
1	4/28/20	UPDATE TO 2018 IBC/IRC CODE	LFS	

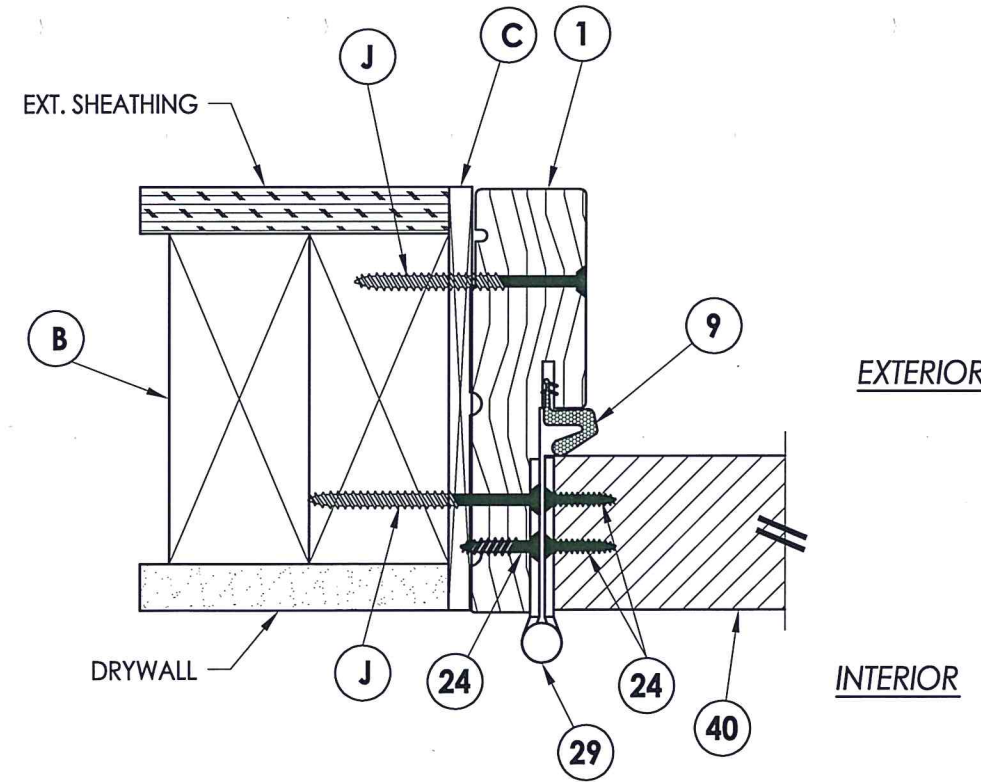
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CHK. BY: LFS  
DRAWING NO.: TX-4302  
SHEET 4 OF 10



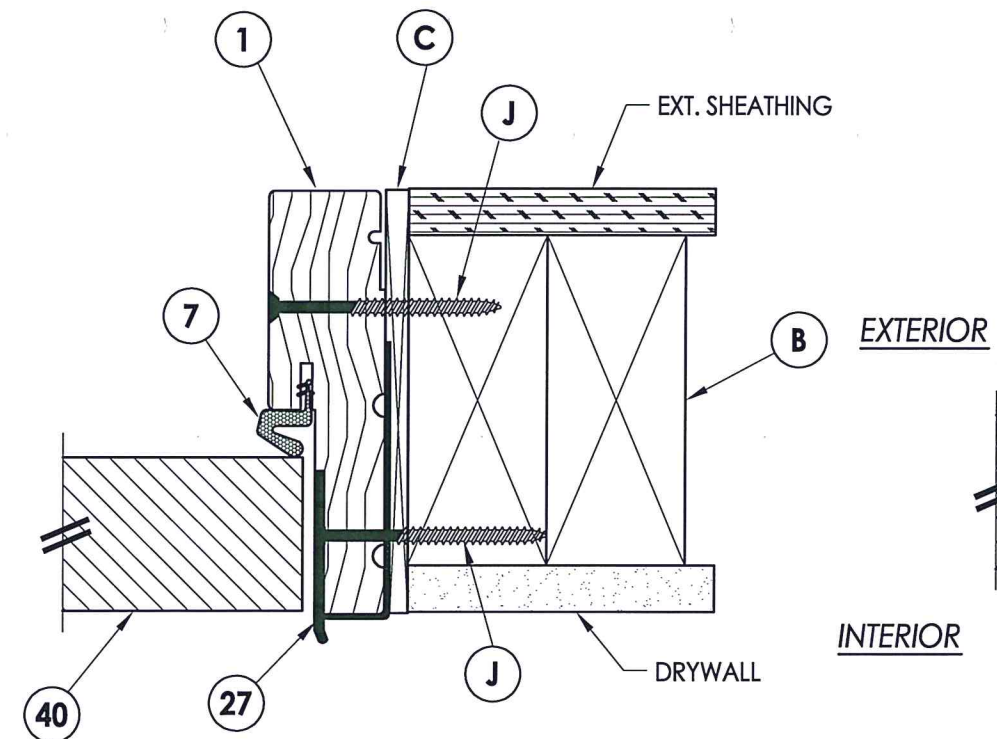
**1 HORIZONTAL CROSS SECTION**  
**5** Inswing shown - Outswing also approved



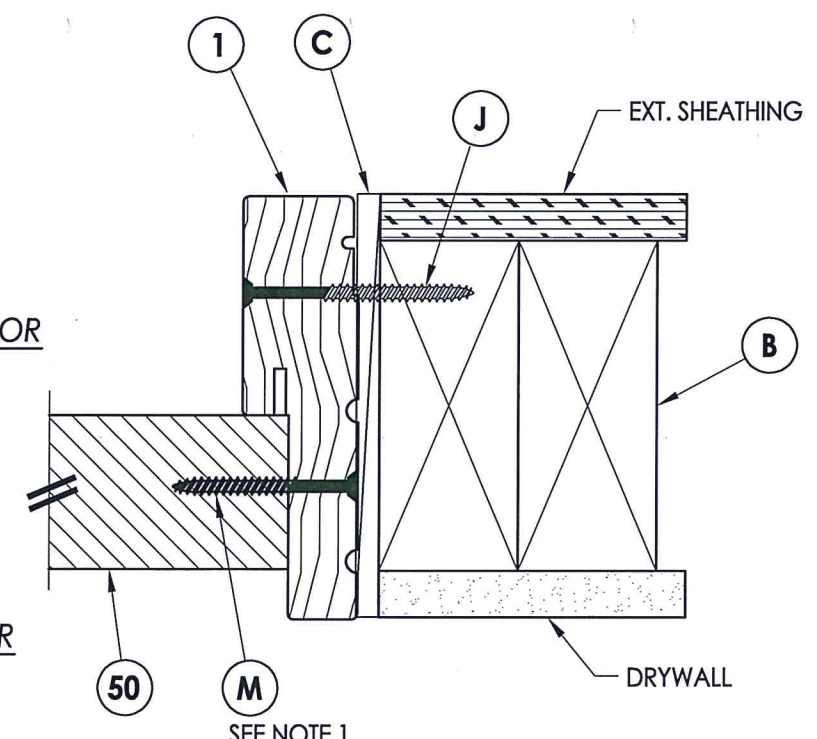
**2 HORIZONTAL CROSS SECTION**  
**5** Inswing shown - Outswing also approved



**4 HORIZONTAL CROSS SECTION**  
**5** Inswing shown - Outswing also approved



**5 HORIZONTAL CROSS SECTION**  
**5** Inswing shown - Outswing also approved



**3 HORIZONTAL CROSS SECTION**  
**5** Inswing shown - Outswing also approved

Note:  
 1. Sidelite assembly screws located 6" from each end plus 4 more equally spaced (6 total).



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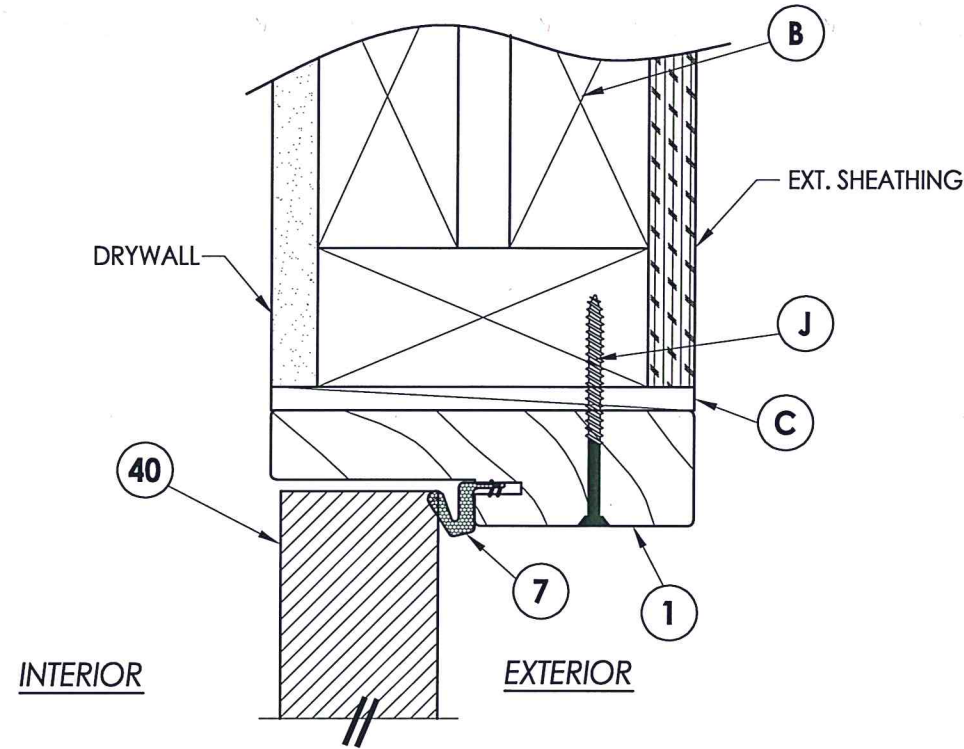
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 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: THERMA-TRU STEEL DOOR  
 PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

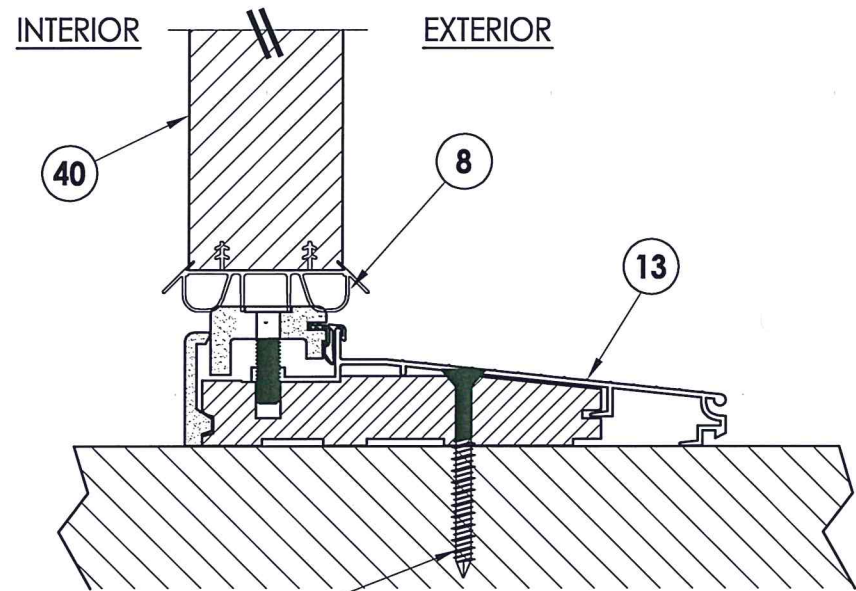
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1	4/28/20	UPDATE TO 2018 IBC/IRC CODE		

REVISIONS

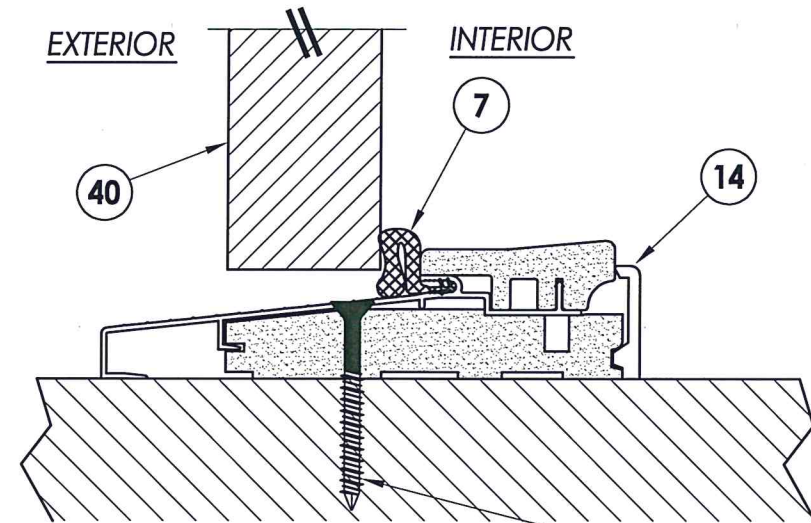
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 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: TX-4302  
 SHEET 5 of 10



**1** VERTICAL CROSS SECTION  
**6** Inswing shown - Outswing also approved



**2** VERTICAL CROSS SECTION  
**6** Inswing configuration



**3** VERTICAL CROSS SECTION  
**6** Outswing configuration



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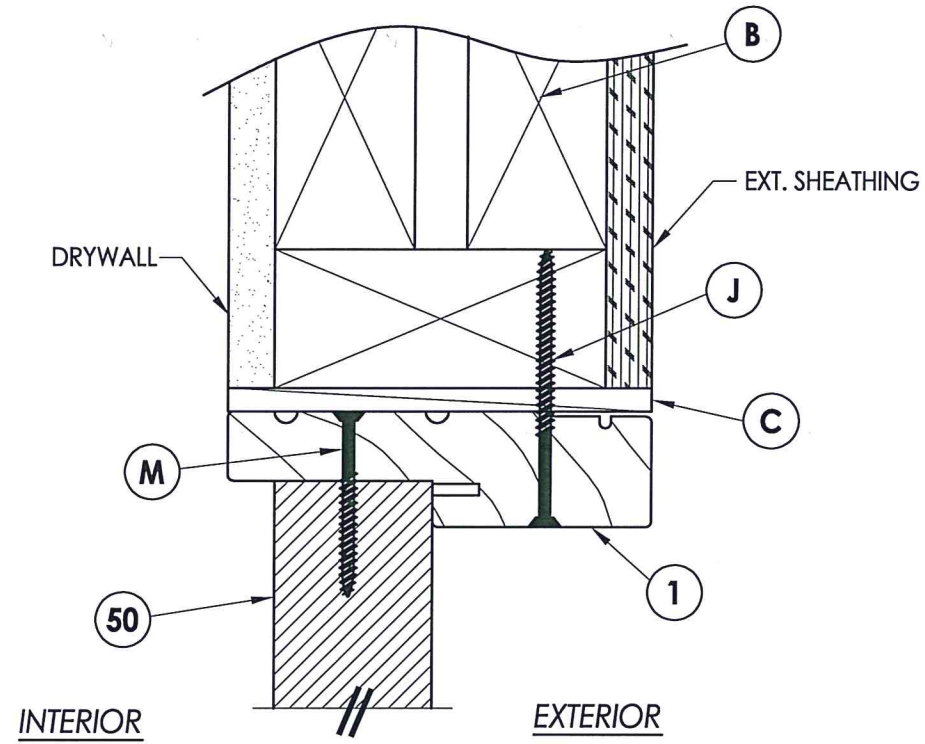
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 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: THERMA-TRU STEEL DOOR  
 PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

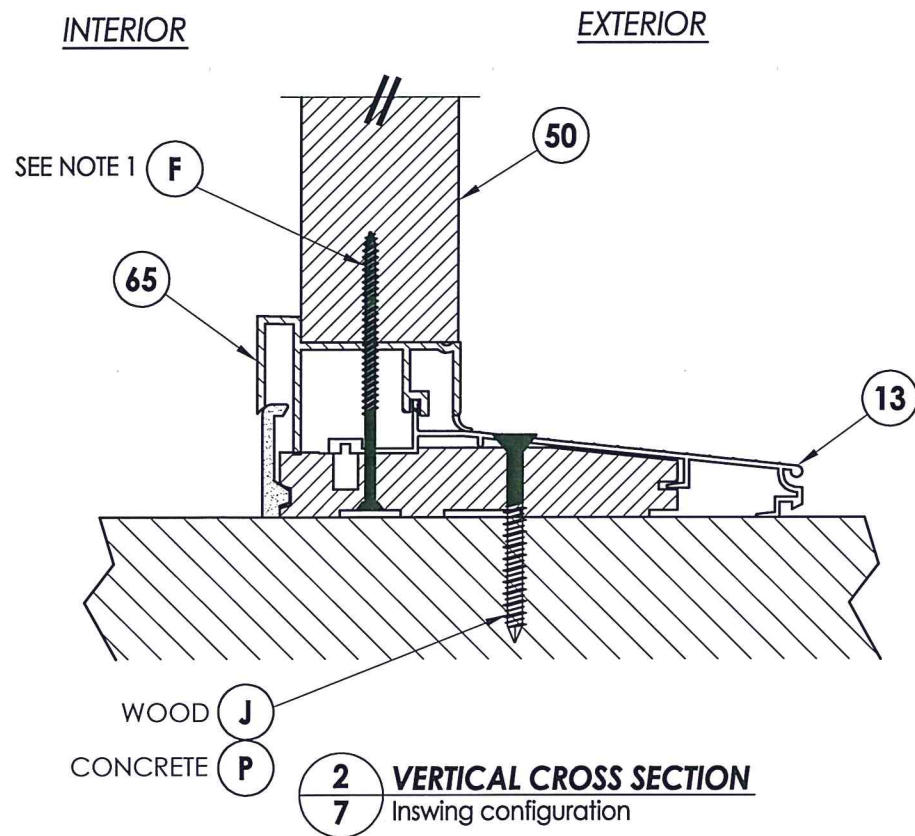
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DATE: 01/23/13  
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 CHK. BY: LFS  
 DRAWING NO.: TX-4302  
 SHEET 6 OF 10

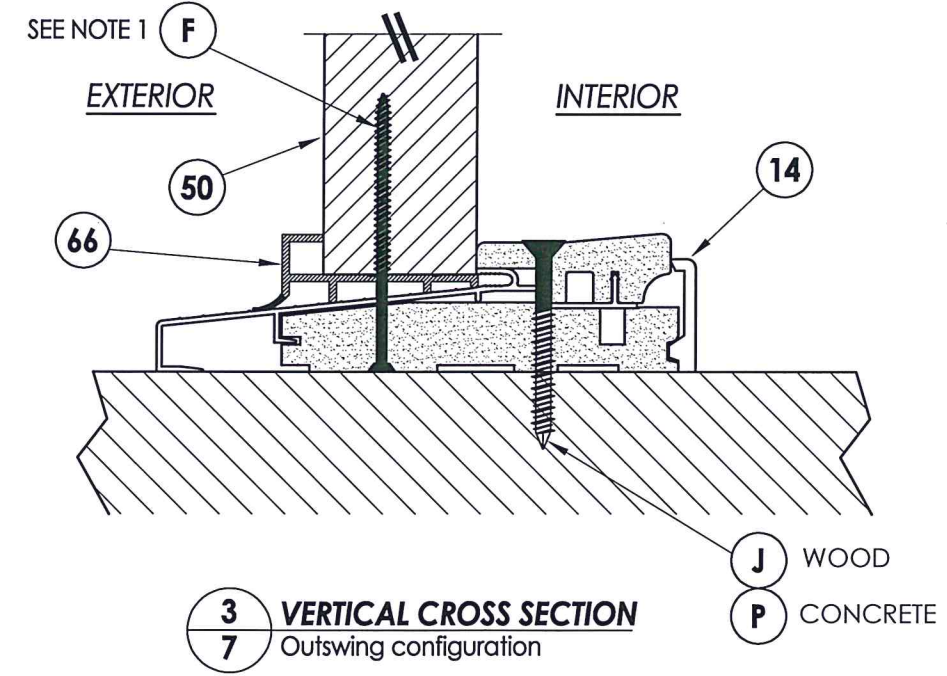
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**1 VERTICAL CROSS SECTION**  
 7 Inswing shown - Outswing also approved



**2 VERTICAL CROSS SECTION**  
 7 Inswing configuration



**3 VERTICAL CROSS SECTION**  
 7 Outswing configuration

Note:  
 1. Sidelite assembly screws located 3" from each end (2 total).

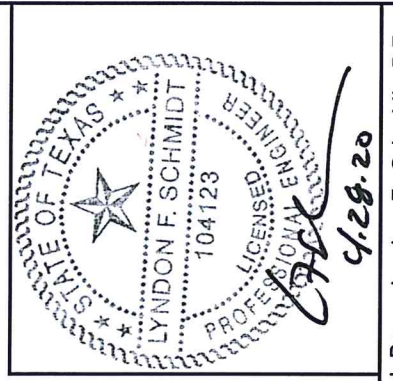
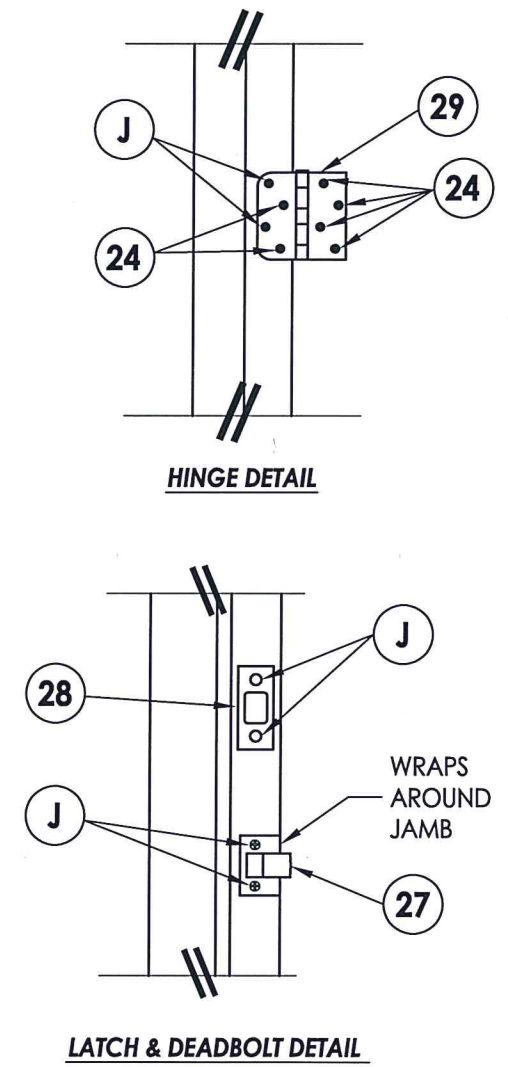
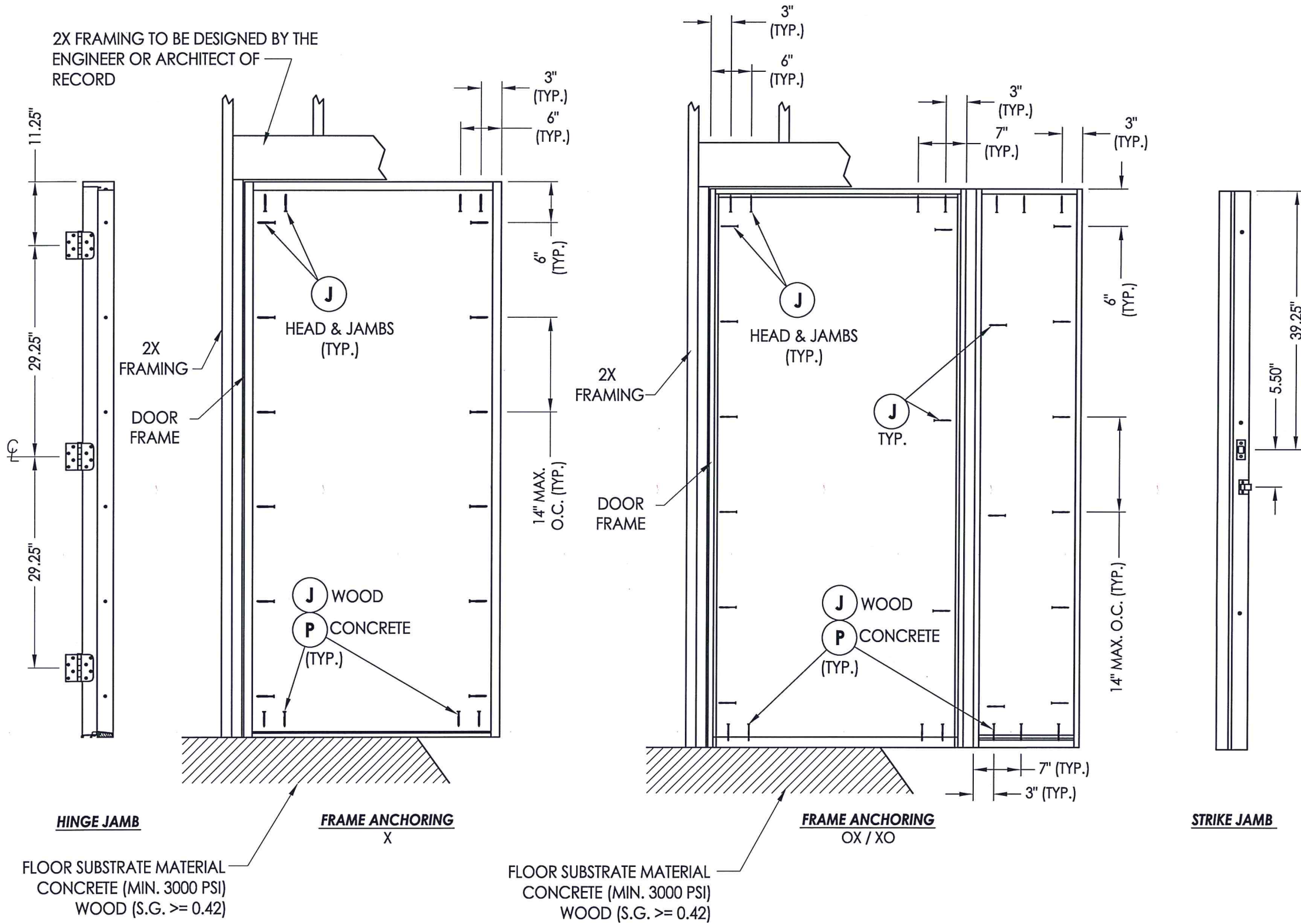
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PRODUCT:	THERMA-TRU STEEL DOOR	
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS	
DATE:	01/23/13	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4302	
SHEET	7 of 10	
NO.	DATE	REVISIONS
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		LFS BY

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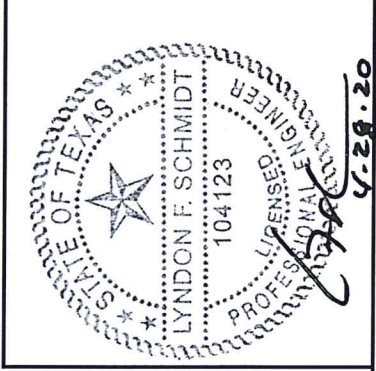
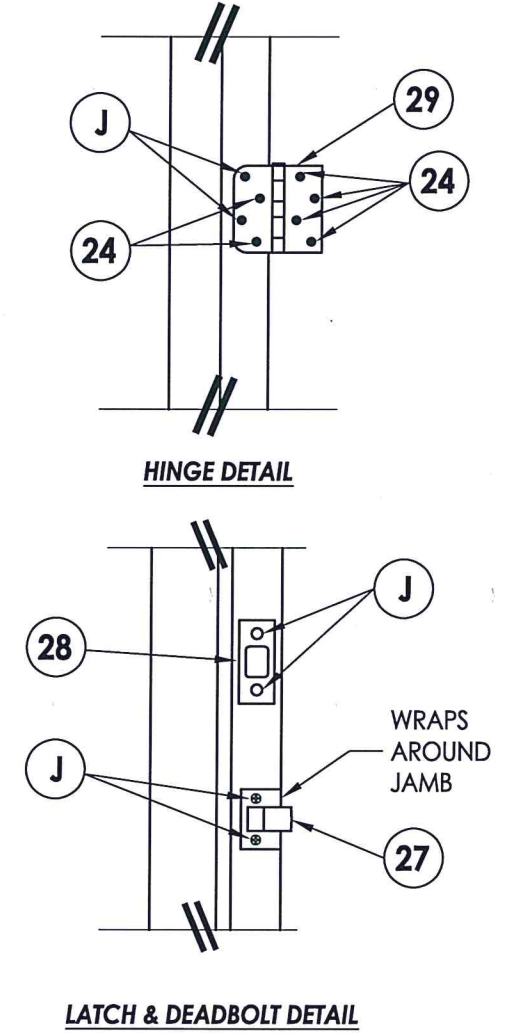
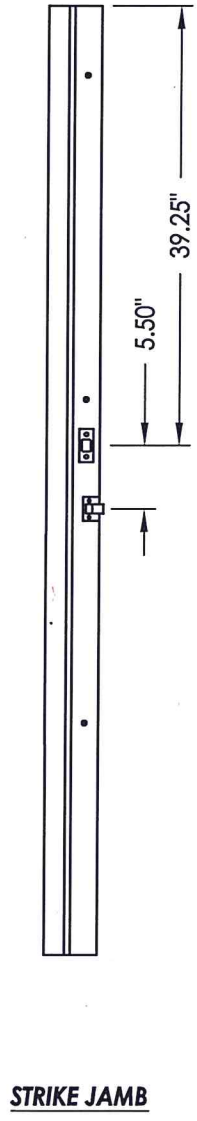
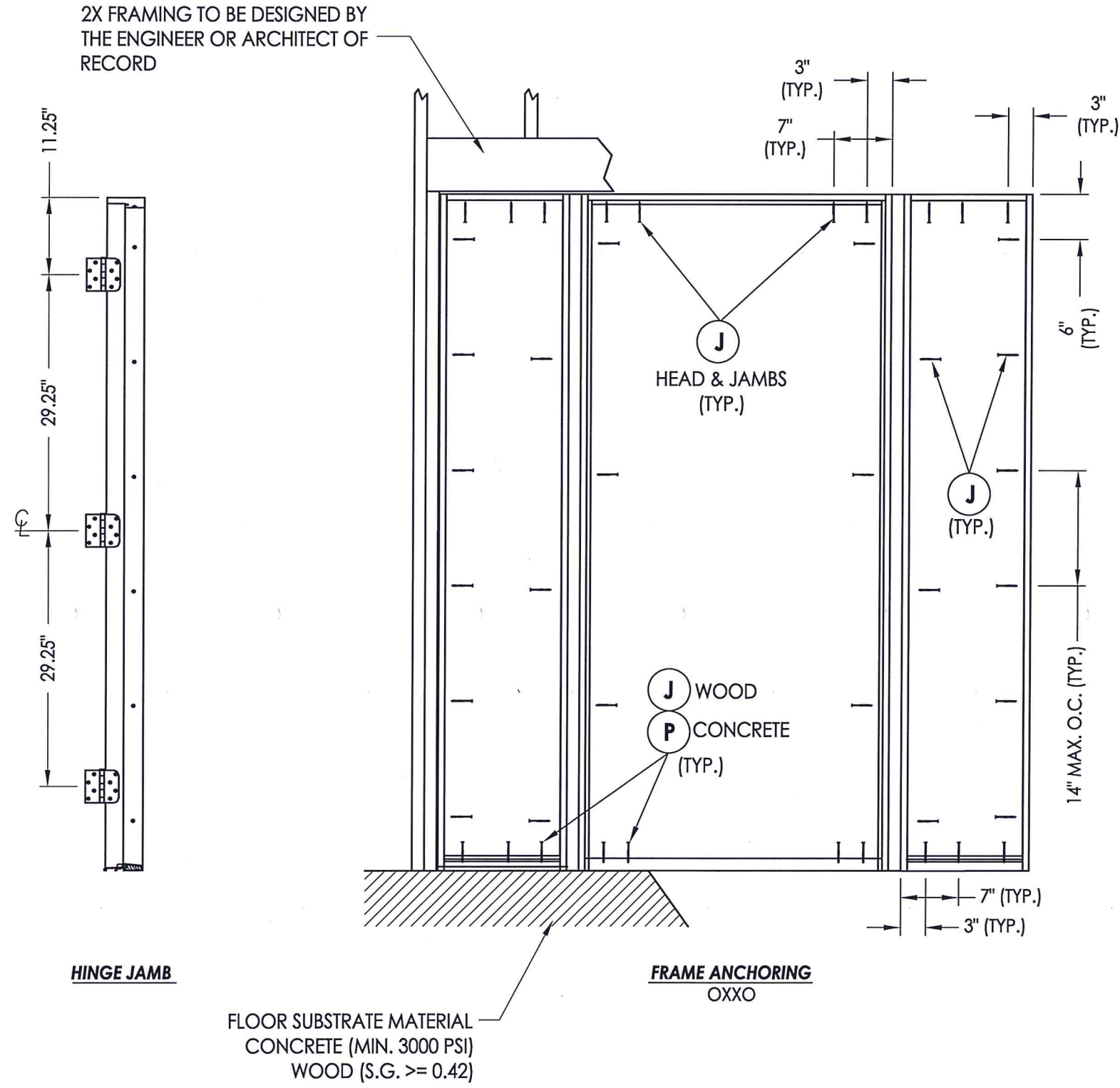
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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		THERMA-TRU STEEL DOOR	
PART OR ASSEMBLY:		FRAME ANCHORING	
NO.	DATE	DESCRIPTION	BY
1	4/28/20	UPDATE TO 2018 IBC/IRC CODE	LFS
REVISIONS			
DATE: 01/23/13			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4302			
SHEET 8 of 10			

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: THERMA-TRU STEEL DOOR

PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	DESCRIPTION	BY
1	4/28/20	UPDATE TO 2018 IBC/IRC CODE	LFS

DATE: 01/23/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

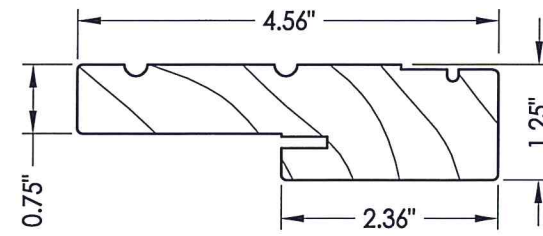
DRAWING NO.: TX-4302

SHEET 9 of 10

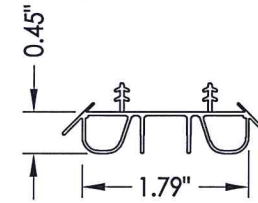
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**BILL OF MATERIALS**

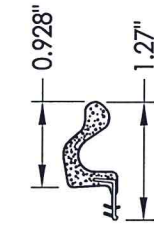
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#10 X 3" PFH WOOD SCREW	STEEL
J	#10 X 2-1/2" PFH WOOD SCREW	STEEL
M	#10 X 2" PFH WOOD SCREW	STEEL
P	1/4" PFH ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
1	JAMB - FINGER JOINTED PINE	WOOD
7	WEATHERSTRIP (Long Reach by Therma-Tru)	FOAM
8	SWEEP	VINYL
9	WEATHERSTRIP (Medium Reach by Therma-Tru)	FOAM
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
24	#10 x 1" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-
65	INSWING SIDELITE ADAPTER	PVC
66	OUTSWING SIDELITE ADAPTER	PVC
68	2X MULLION (SG >= 0.55)	WOOD



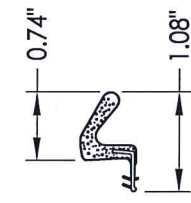
**1 WOOD JAMB**



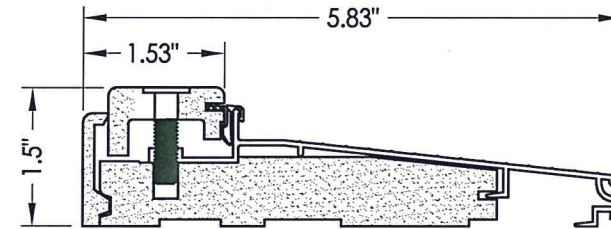
**8 SWEEP**



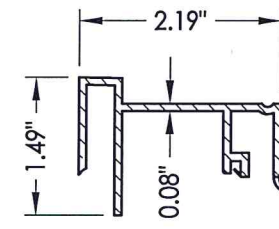
**7 WEATHERSTRIP**  
Long Reach



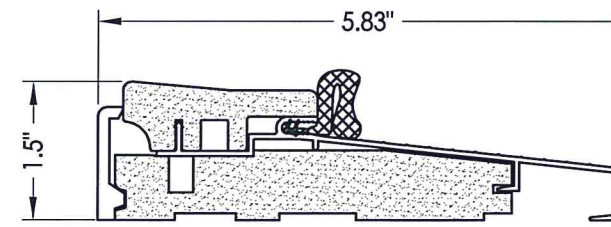
**9 WEATHERSTRIP**  
Medium Reach



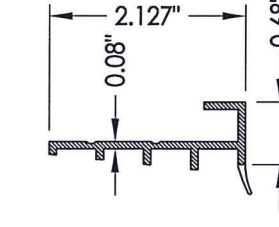
**13 INSWING THRESHOLD**



**65 INSWING SIDELITE**  
ADAPTER



**14 OUTSWING THRESHOLD**



**66 OUTSWING SIDELITE**  
ADAPTER

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



Documents Prepared By: Lyndon F. Schmidt, P.E.  
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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: THERMA-TRU STEEL DOOR  
PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	REVISIONS
1	4/28/20	UPDATE TO 2018 IBC/IRC CODE
LFS	BY	

DATE: 01/23/13  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4302  
SHEET 10 OF 10