

THERMA TRU®

THERMA TRU DOORS

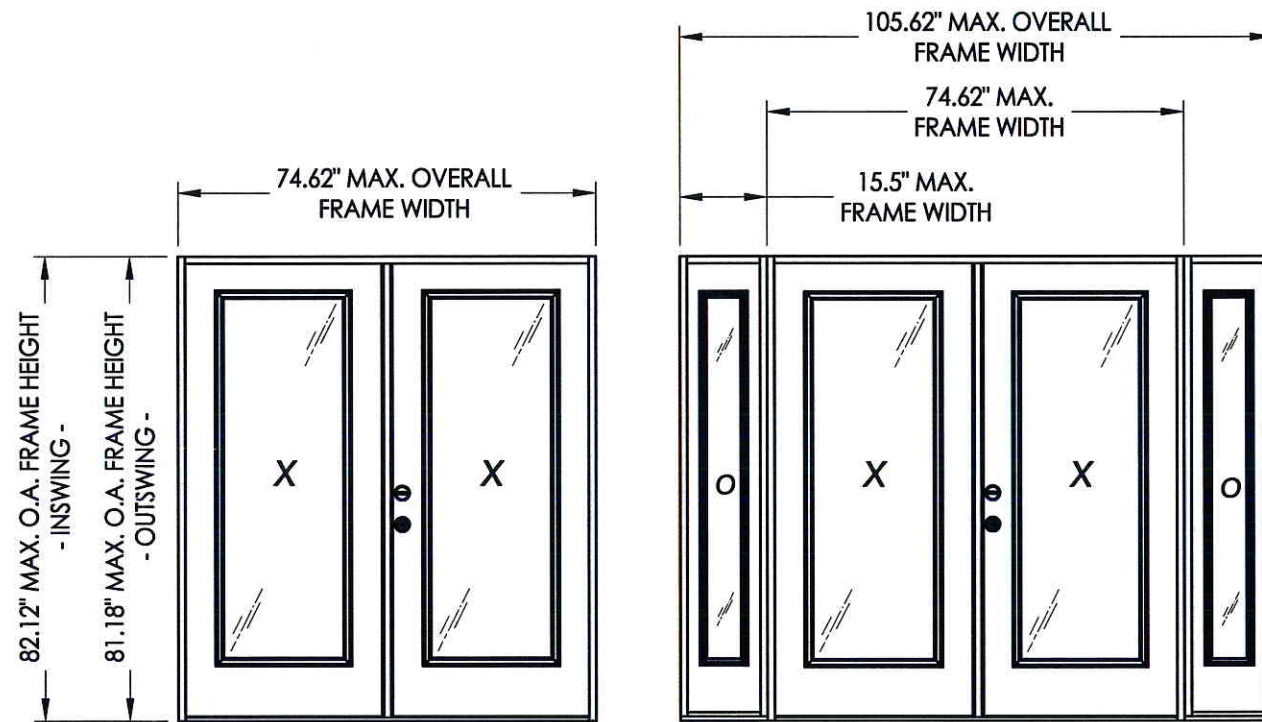
118 INDUSTRIAL DR., EDGERTON, OH 43517

"Profiles" Series Glazed Steel Door w/ or w/o Sidelites "Non-Impact" IN SWING / OUT SWING

EVALUATED FOR USE IN THE STATE OF TEXAS

The Therma-Tru STEEL 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 assembly 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.



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

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

PRODUCT: THERMA-TRU STEEL DOOR

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

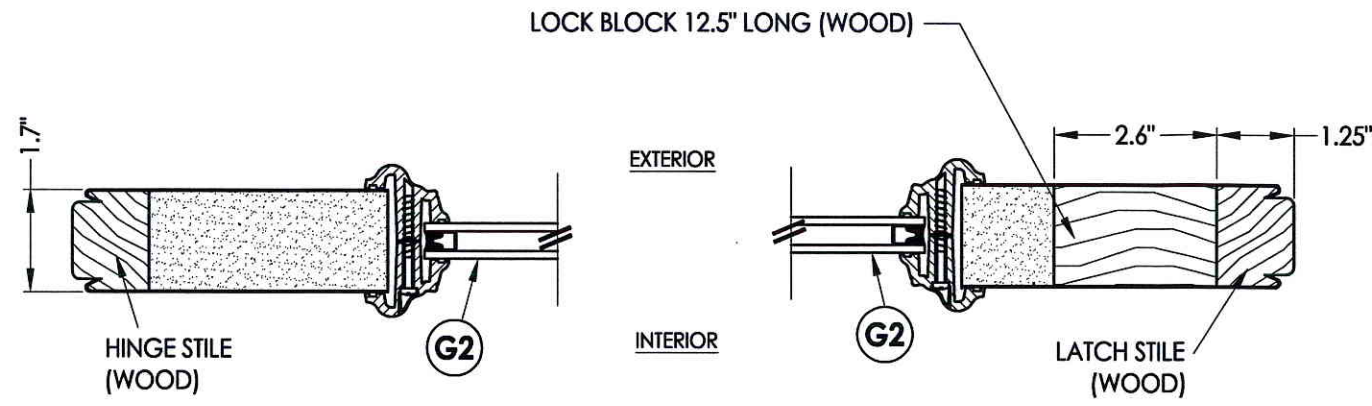
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Sidelite panel details and glazing detail
4	Elevations
5	Horizontal cross section
6	Vertical cross sections
7	Vertical cross sections
8	Frame anchoring
9	Astragal details
10	Bill of materials and components

CONFIGURATION	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	SWING	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
XX	74.62" x 82.12"	21.12" x 63.12"	IN SWING	+35.0	-40.0
	74.62" x 81.18"		OUT SWING	+40.0	-40.0
OXXO	105.62" x 82.12"	21.12" x 63.12"	IN SWING	+35.0	-40.0
	105.62" x 81.18"		OUT SWING	+40.0	-40.0

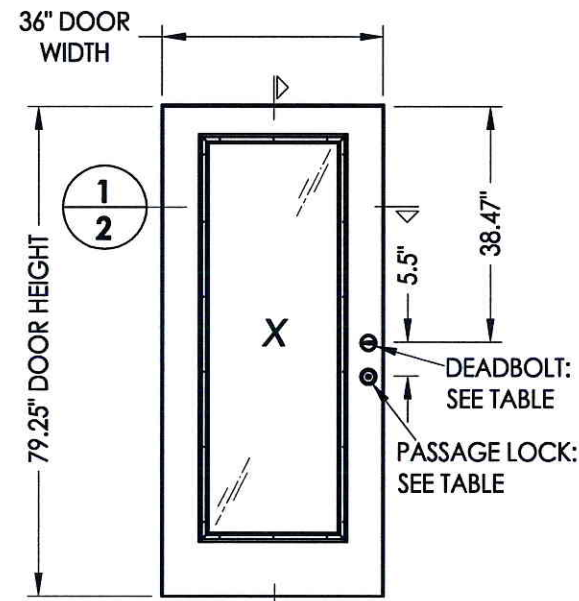
NO.	DATE	BY	REVISIONS

DATE: 08/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4231
SHEET 1 OF 10

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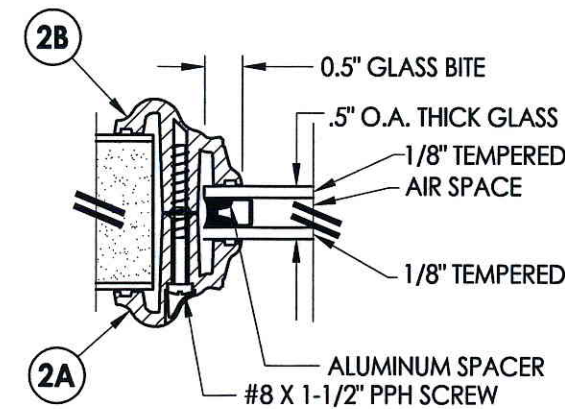
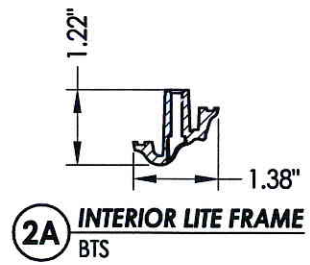
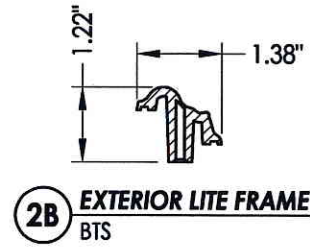
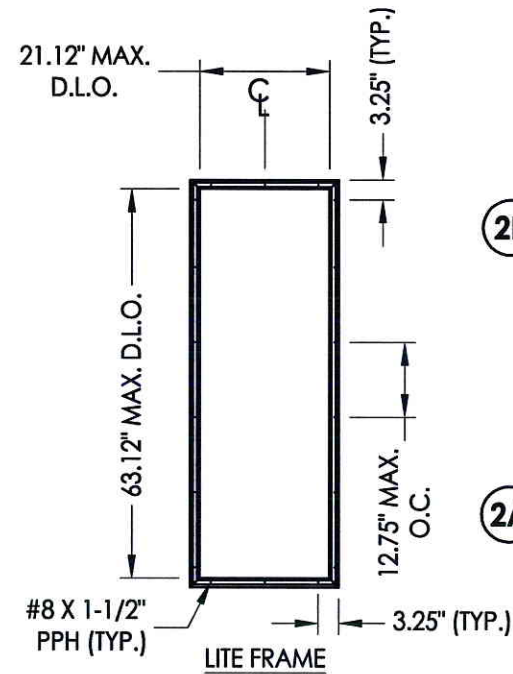


1 HORIZONTAL CROSS SECTION
2

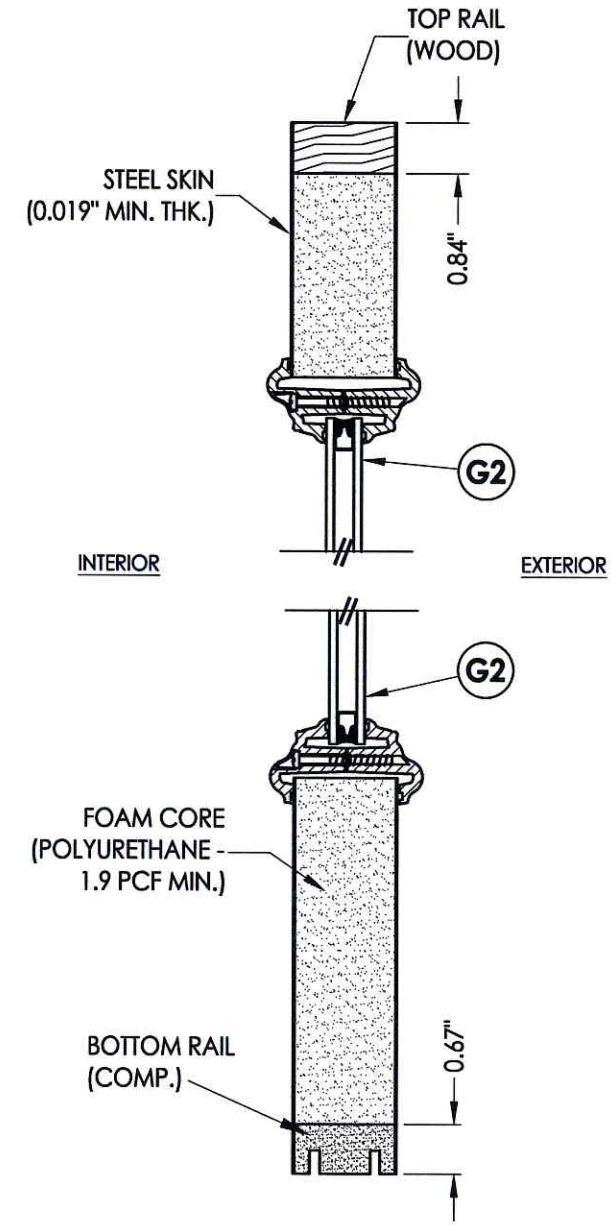


2 DOOR PANEL
2 "Profiles" Series
40

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



G2 GLAZING DETAIL
Plastic Lip Lite Frame (BTS)



2 VERTICAL CROSS SECTION
2



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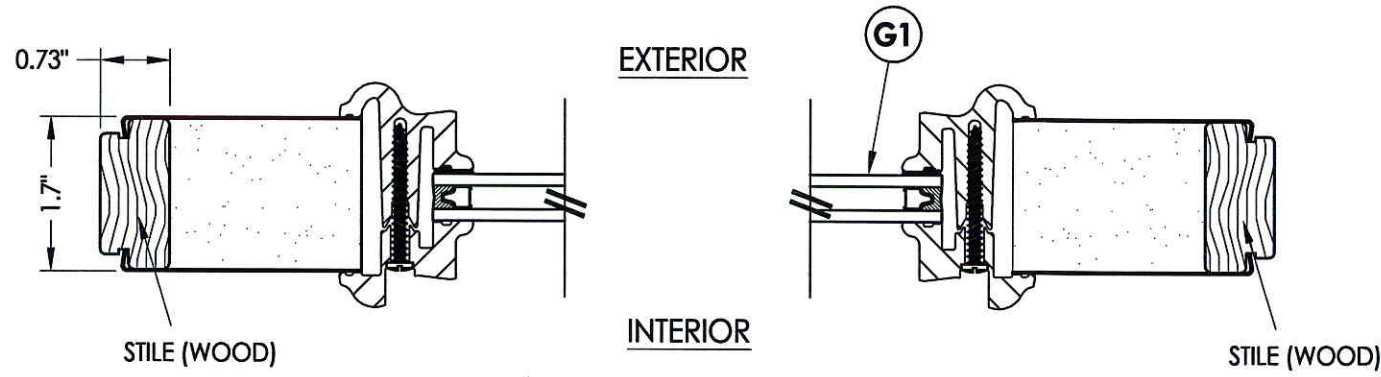
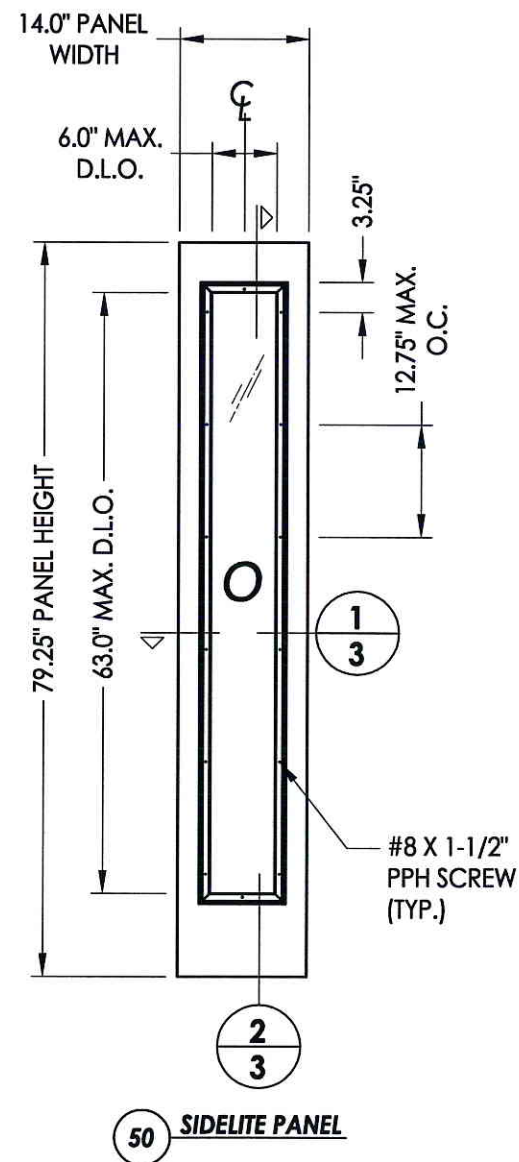
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Phone No.: 813.659.9197

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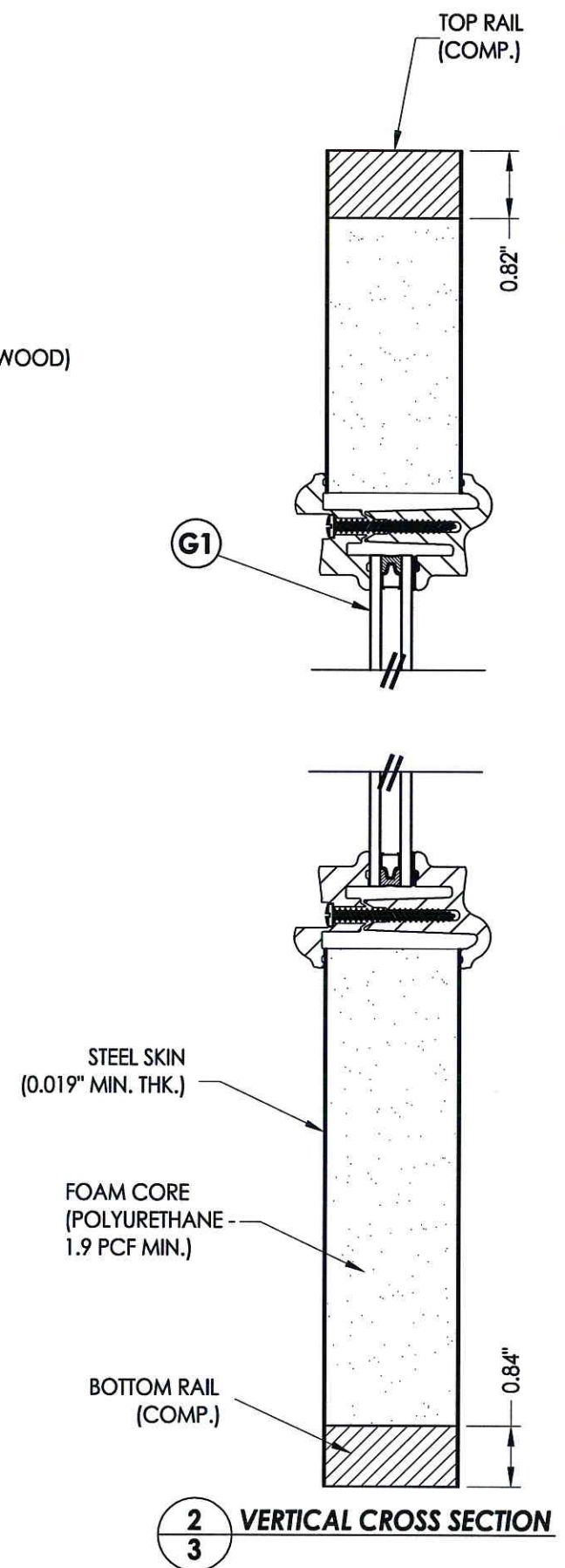
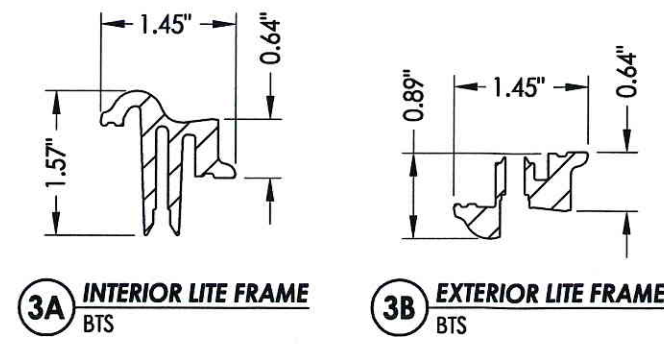
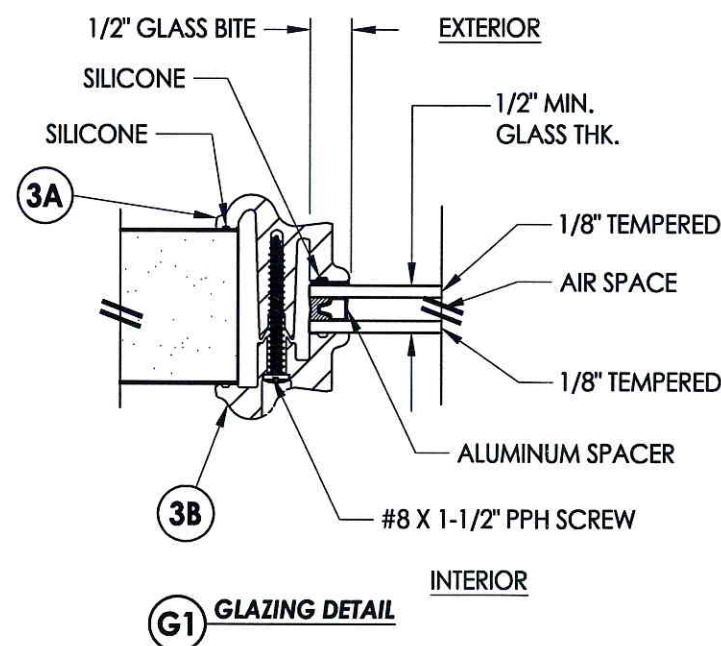
PRODUCT:	THERMA-TRU STEEL DOOR
PART OR ASSEMBLY:	DOOR PANEL DETAILS

NO.	DATE	BY

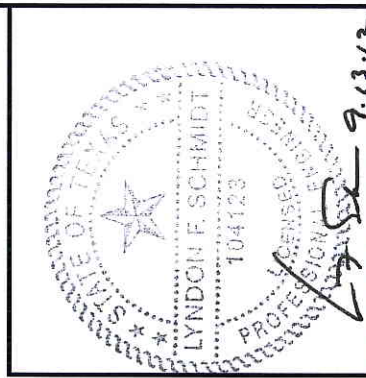
DATE:	08/16/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4231
SHEET	2 OF 10



1 HORIZONTAL CROSS SECTION



2 VERTICAL CROSS SECTION



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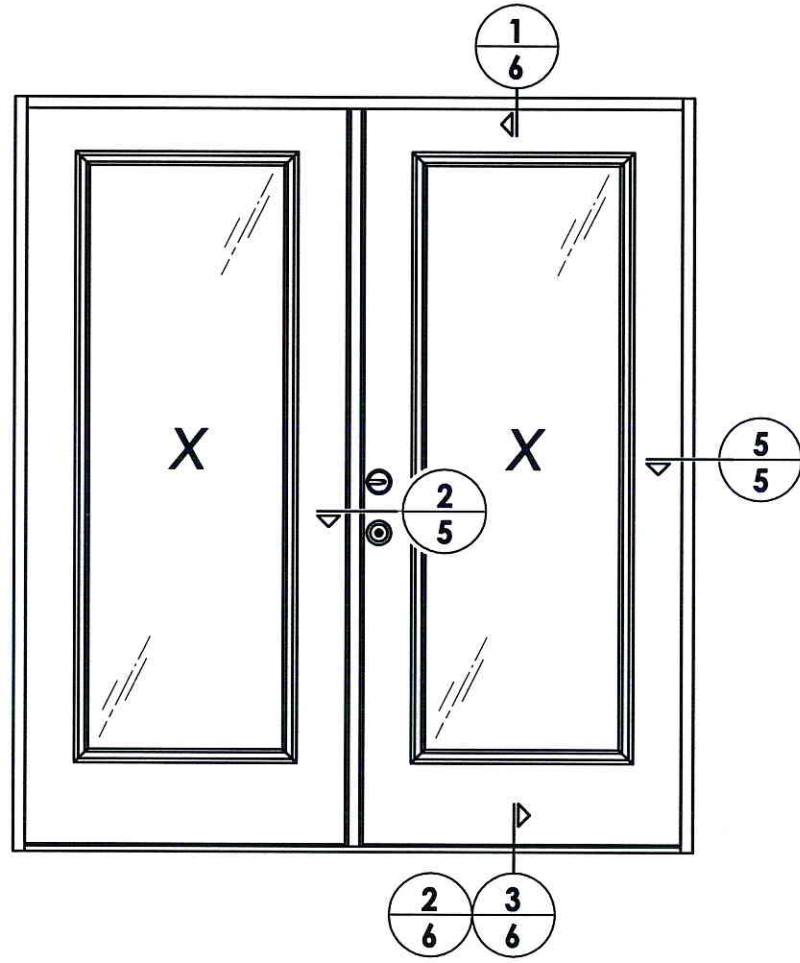
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PRODUCT: THERMA-TRU STEEL DOOR

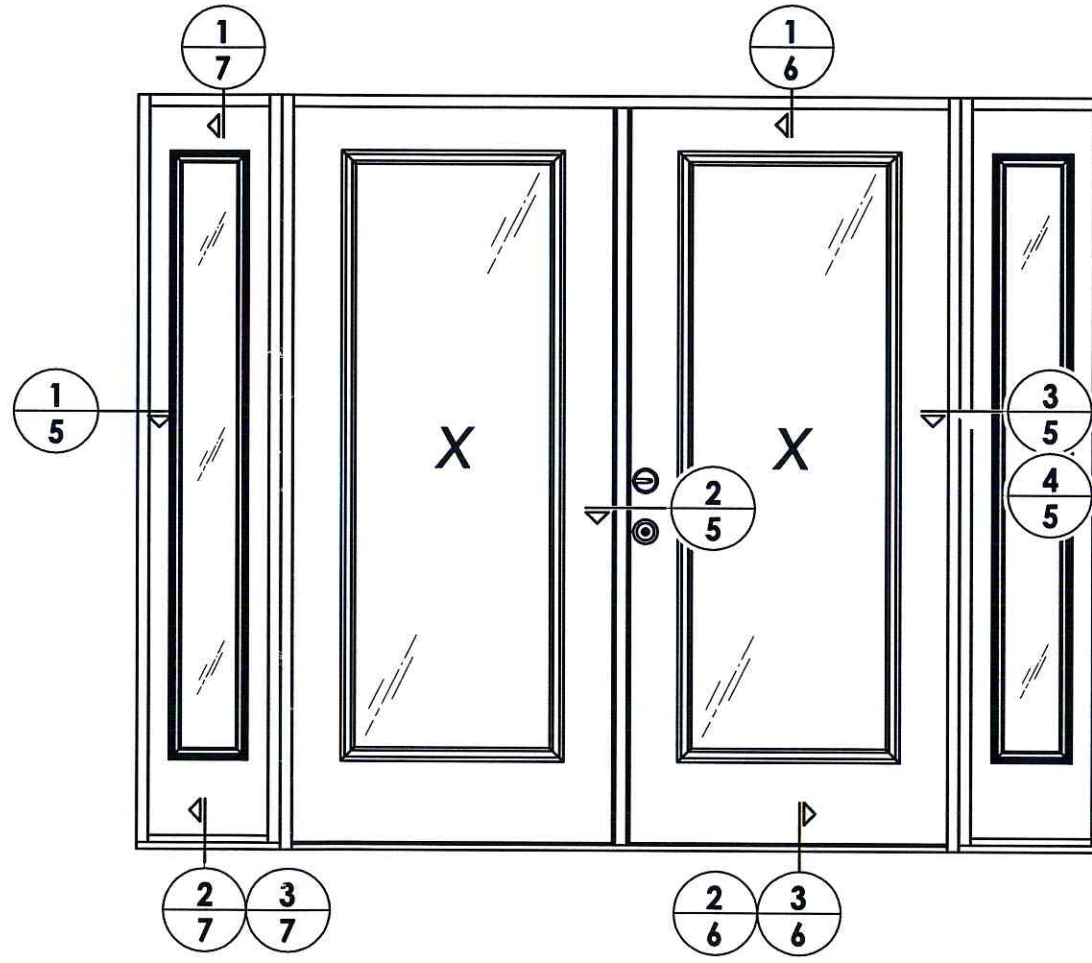
PART OR ASSEMBLY: SIDELITE PANEL DETAILS AND GLAZING DETAIL

NO.	DATE	BY	REVISIONS

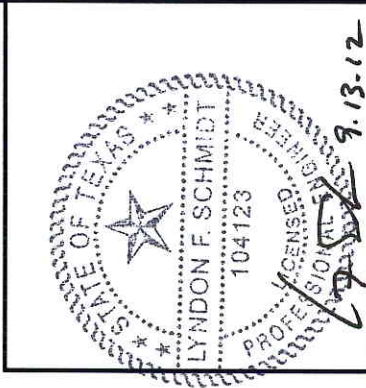
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 SHEET 3 OF 10



ELEVATION (XX)



ELEVATION (OXXO)



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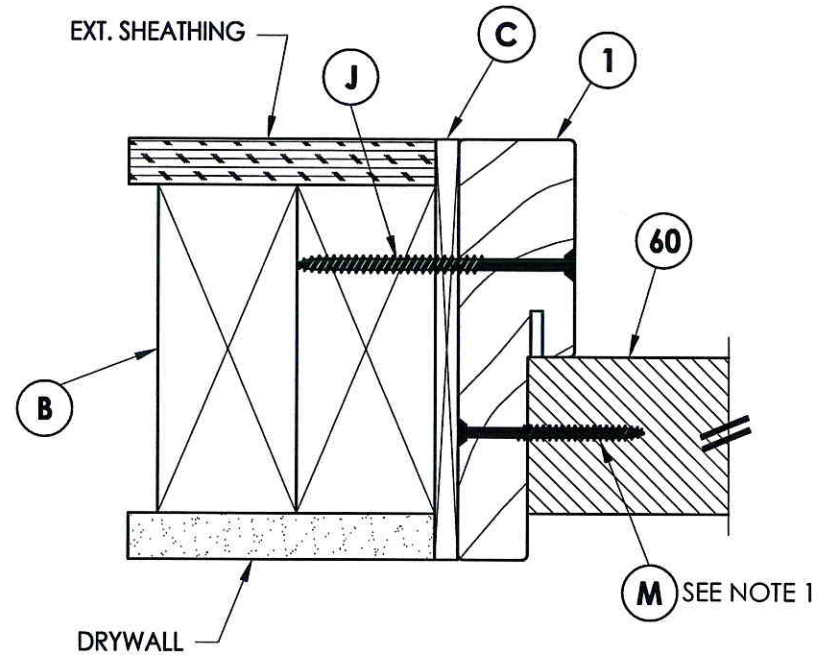
PRODUCT: THERMA-TRU
 STEEL DOOR

PART OR ASSEMBLY:
 ELEVATIONS

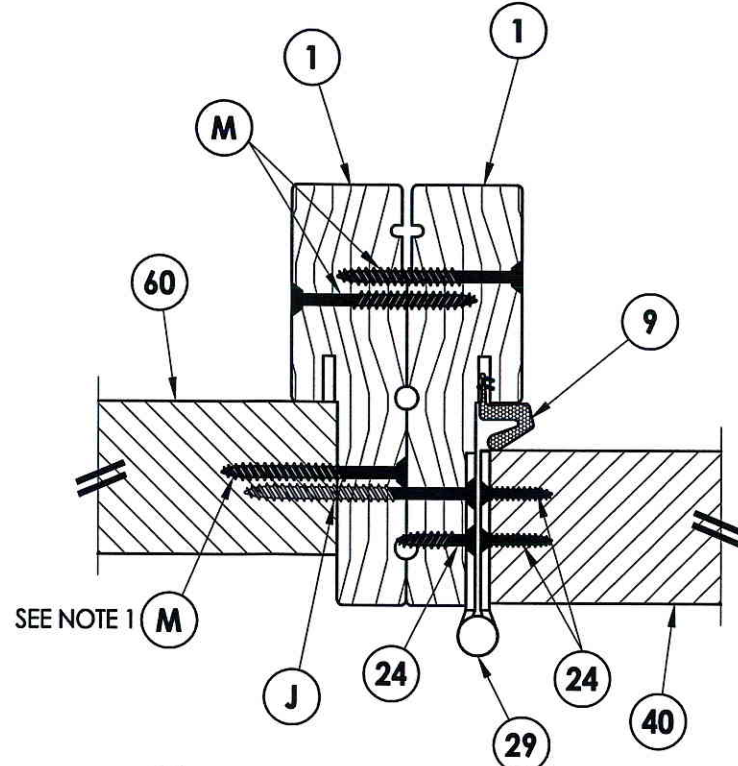
NO.	DATE	BY

DATE: 08/16/12
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4231
 SHEET 4 of 10

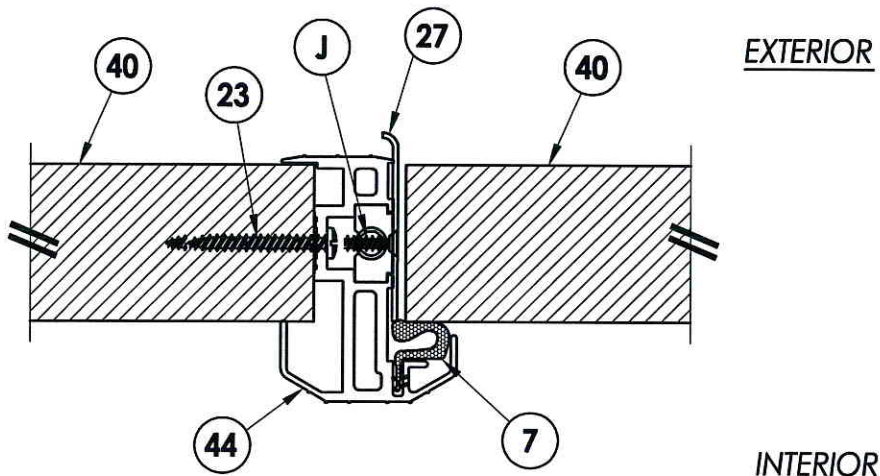
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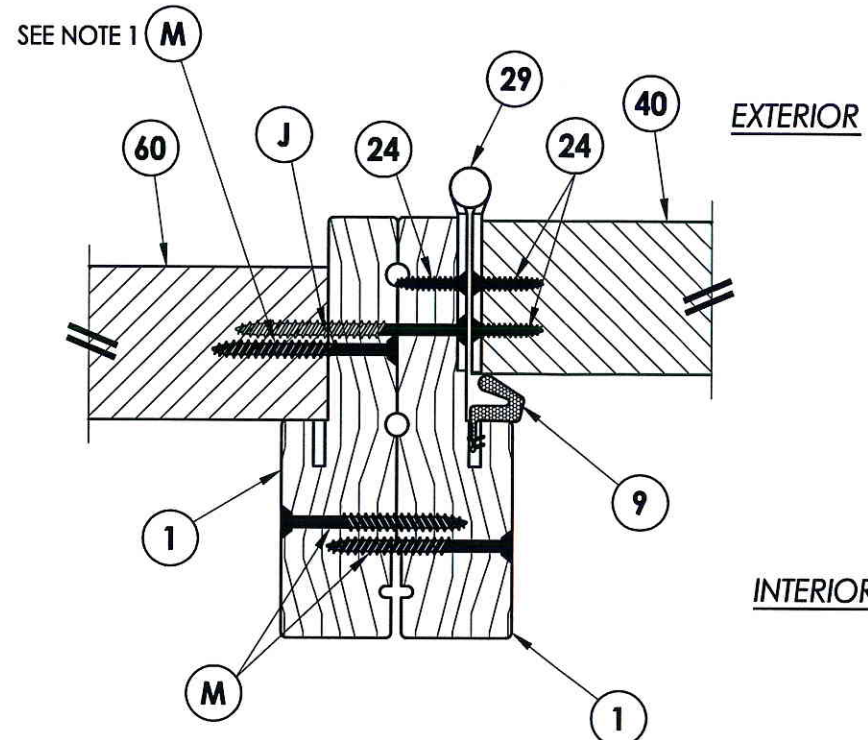
1 HORIZONTAL CROSS SECTION
5 Inswing shown - Outswing also approved



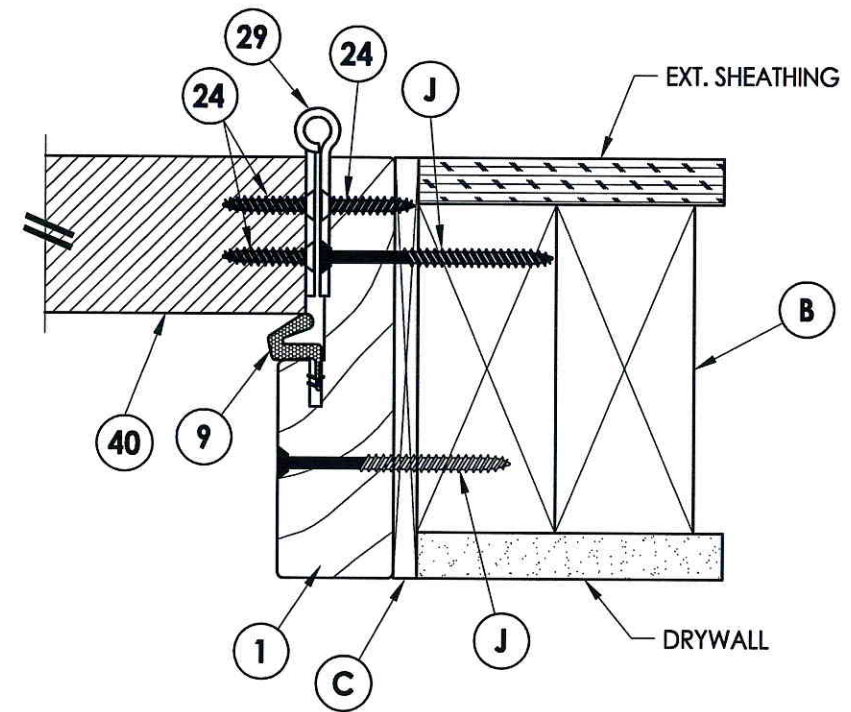
3 HORIZONTAL CROSS SECTION
5 Inswing shown



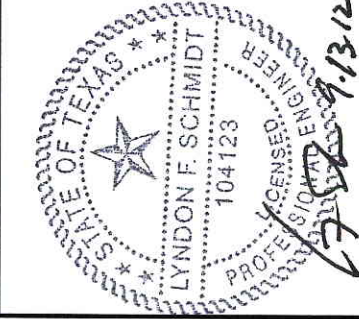
2 HORIZONTAL CROSS SECTION
5 Outswing shown - Inswing also approved



4 HORIZONTAL CROSS SECTION
5 Outswing shown



5 HORIZONTAL CROSS SECTION
5 Outswing shown - Inswing also approved



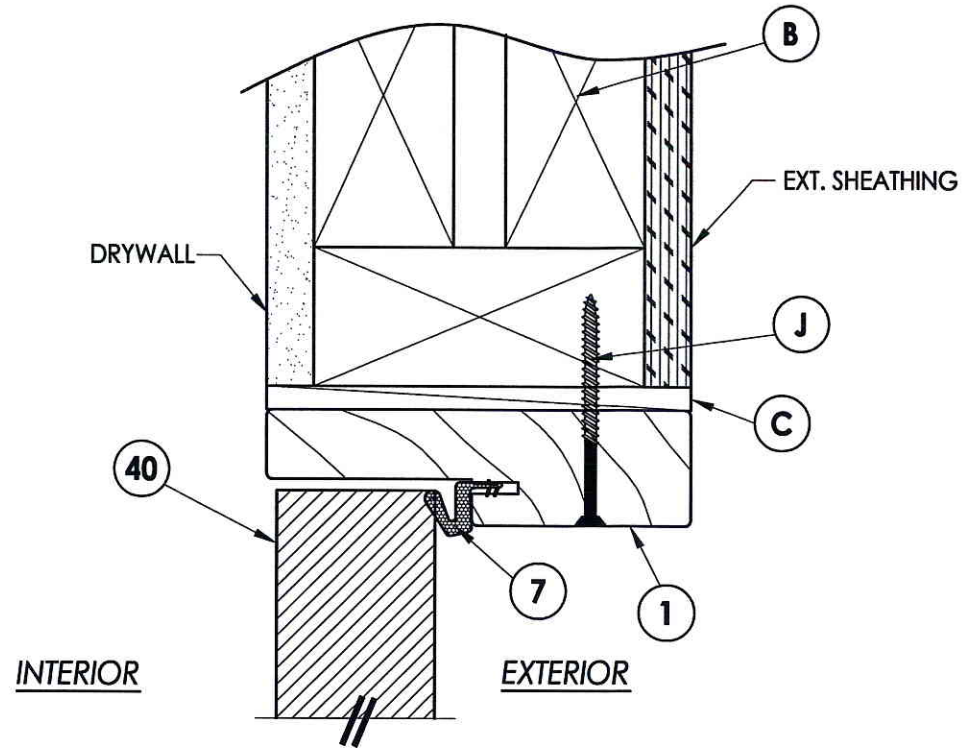
Note:
1. Sidelite assembly screws located 6" from each end plus 4 more equally spaced (6 total).

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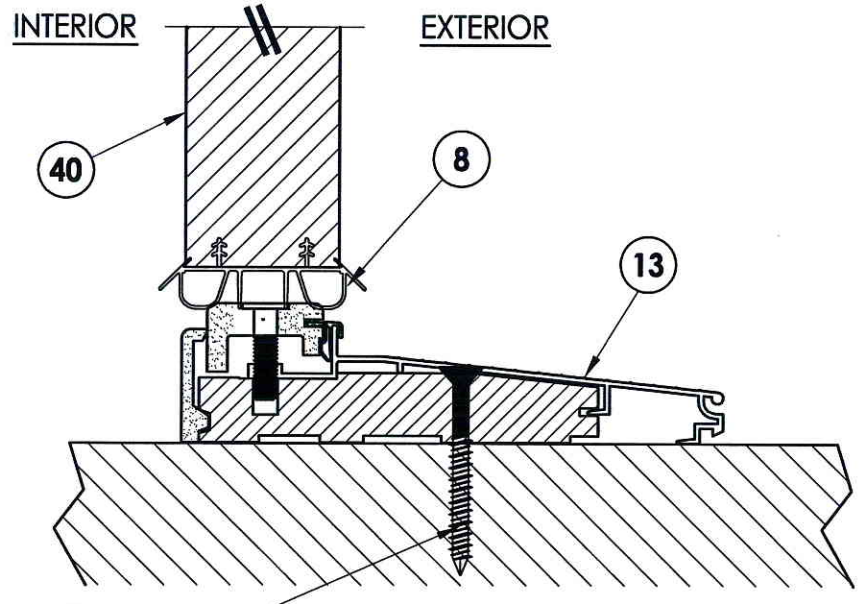
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: THERMA-TRU STEEL DOOR	
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
NO.	DATE
BY	REVISIONS
DATE: 08/16/12	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: TX-4231	
SHEET 5 OF 10	

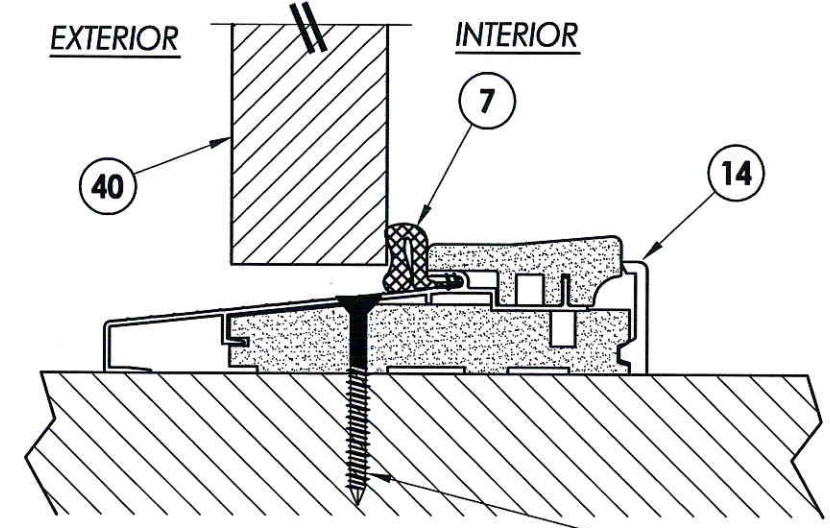
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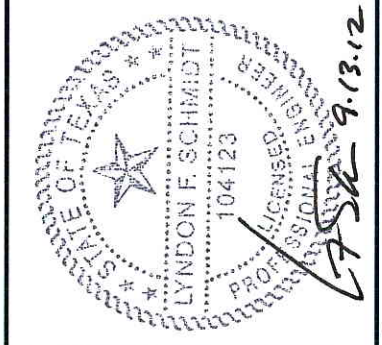
1
6 **VERTICAL CROSS SECTION**
Inswing shown - Outswing also approved



2
6 **VERTICAL CROSS SECTION**
Inswing configuration



3
6 **VERTICAL CROSS SECTION**
Outswing configuration (X Only)



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PRODUCT: THERMA-TRU STEEL DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 08/16/12

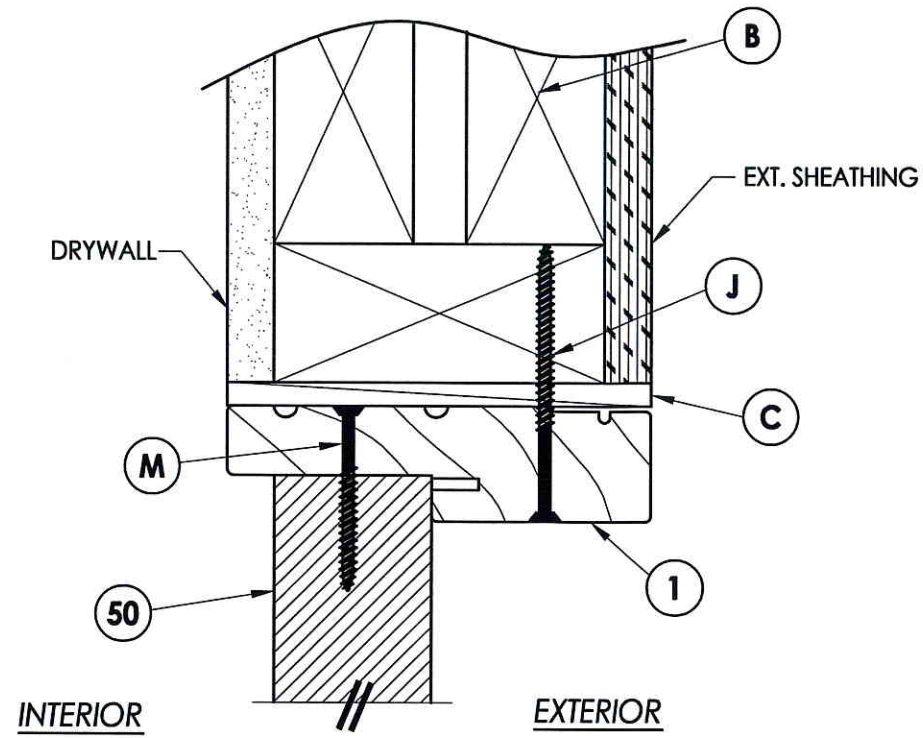
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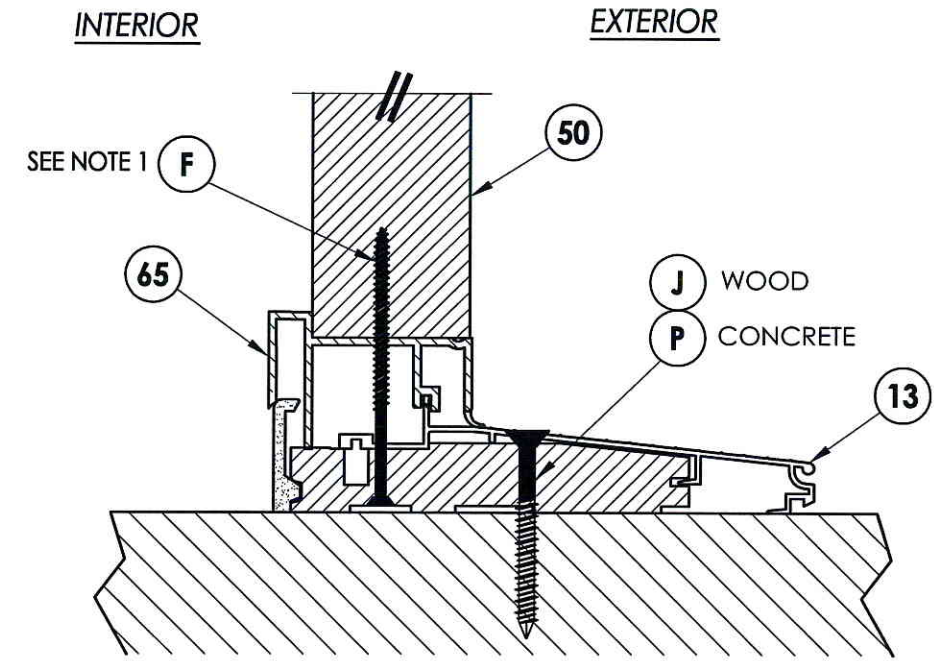
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DRAWING NO.: TX-4231

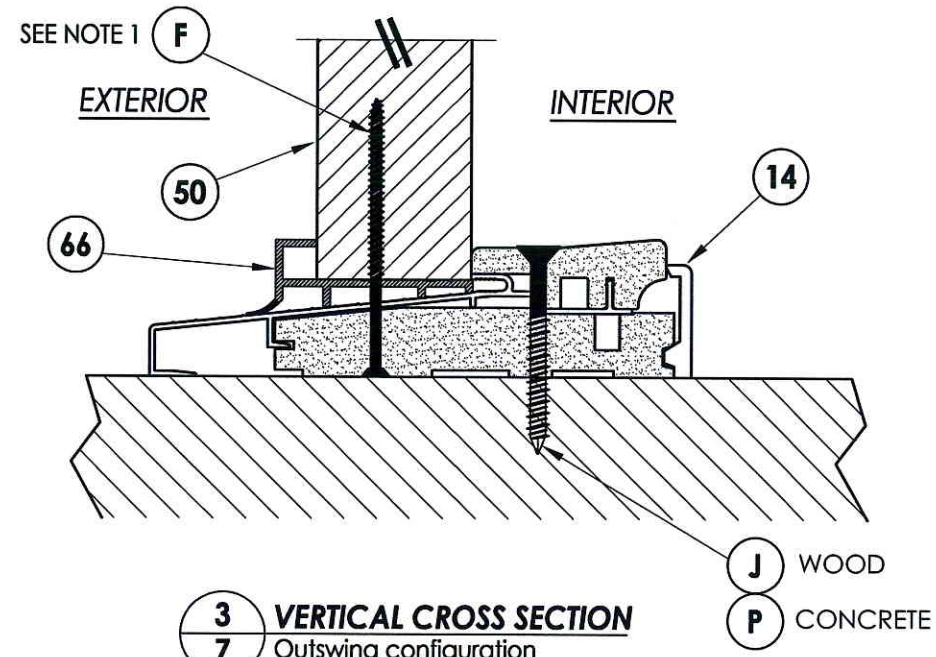
SHEET 6 OF 10



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



2 **VERTICAL CROSS SECTION**
7 Inswing configuration



3 **VERTICAL CROSS SECTION**
7 Outswing configuration

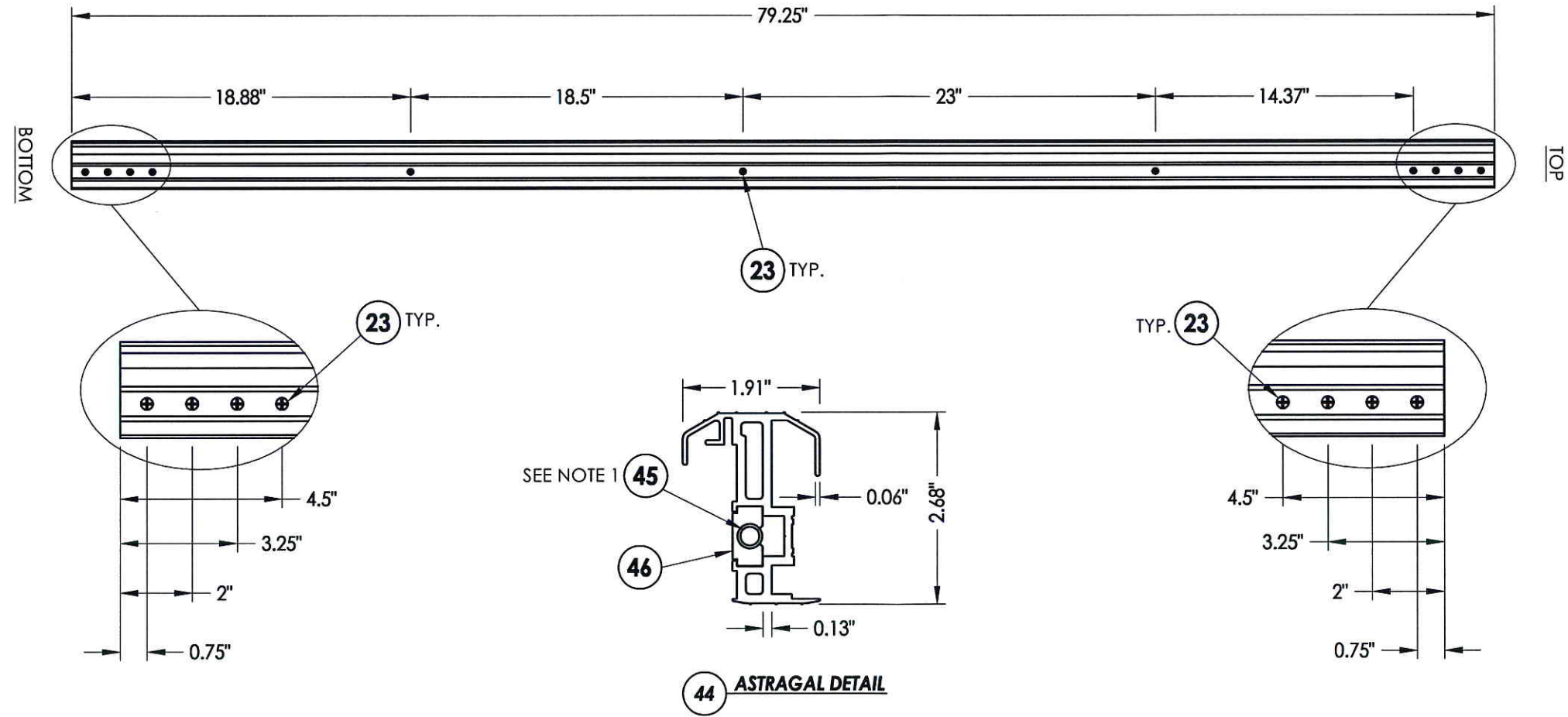
Note:
1. Sidelite assembly screws located 3" from each end (2 total).



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PRODUCT:		THERMA-TRU STEEL DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
DATE:		08/16/12	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		TX-4231	
SHEET		7 of 10	
NO.	DATE	BY	
		REVISIONS	



NOTE:

1. THE ASTRAGAL BOLT HAS A 3" THROW AT THE TOP AND AT THE BOTTOM.



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PRODUCT:	THERMA-TRU STEEL DOOR
PART OR ASSEMBLY:	ASTRAGAL DETAILS

REVISIONS	
NO.	DATE

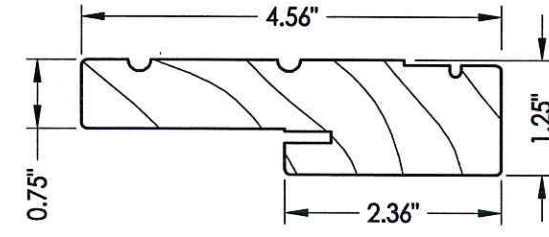
DATE: 08/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4231
SHEET 9 OF 10

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
23	#10 X 1-1/2" PANHEAD SMS	STEEL
24	#10 x 1" PFH WOOD SCREW	STEEL
26	ASTRAGAL STRIKE PLATE	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
40	DOOR PANEL	-
44	HURRICANE ASTRAGAL	-
45	ASTRAGAL FLUSH BOLT	-
46	ASTRAGAL FLUSH BOLT RETAINER	-
50	SIDELITE PANEL	-
65	INSWING SIDELITE ADAPTER	PVC
66	OUTSWING SIDELITE ADAPTER	PVC

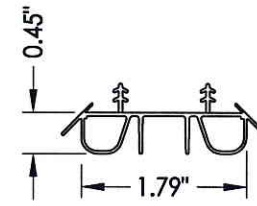
CONCRETE ANCHOR NOTES:

- 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:

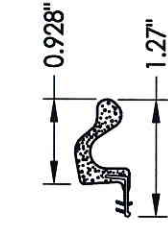
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-3/4"	2-1/2"	3"
ELCO ULTRACON®	1/4"	1-3/4"	1"	3"



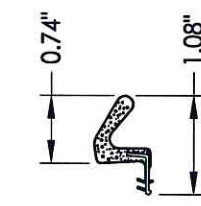
1 WOOD JAMB



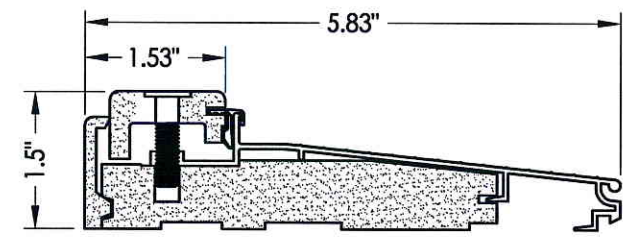
8 SWEEP



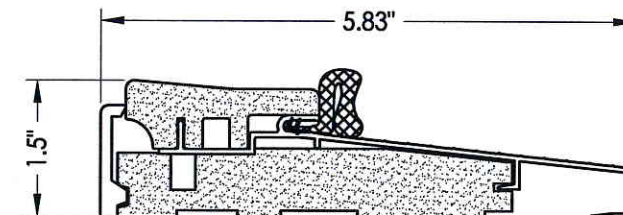
7 WEATHERSTRIP Long Reach



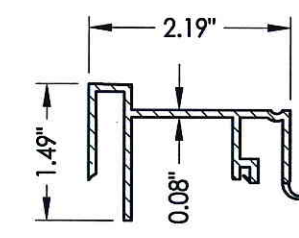
9 WEATHERSTRIP Medium Reach



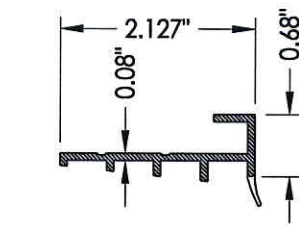
13 INSWING THRESHOLD



14 OUTSWING THRESHOLD



65 INSWING SIDELITE ADAPTER



66 OUTSWING SIDELITE ADAPTER



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PRODUCT: THERMA-TRU STEEL DOOR

PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 08/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4231
SHEET 10 OF 10