



AMERICA'S DOORMAKER
631 N. FIRST ST. WEST BRANCH, MI 48661

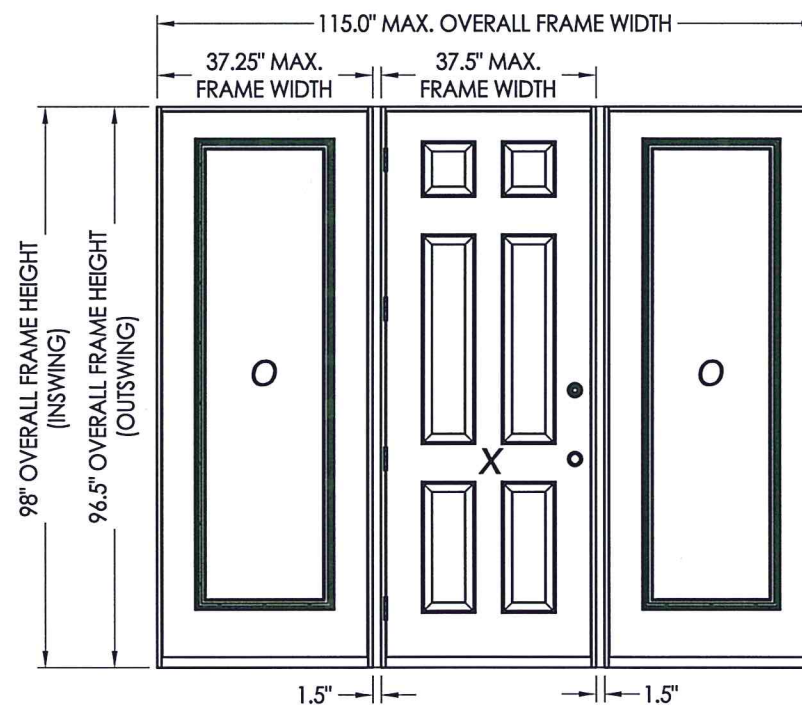
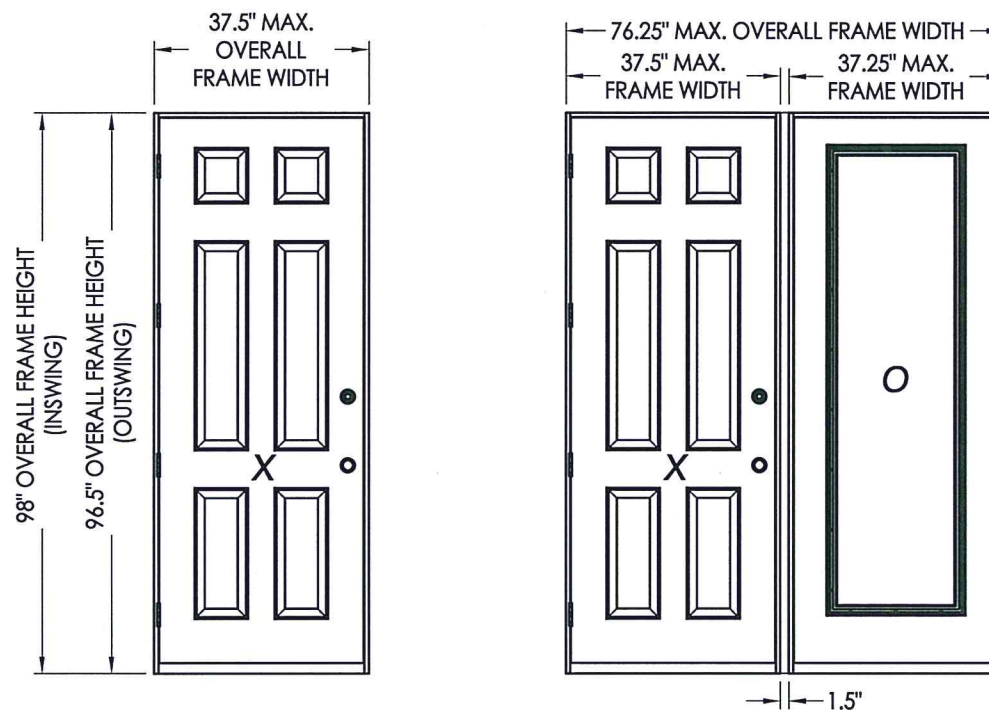
OPAQUE STEEL DOORS

SINGLES

w/ or w/o SIDELITES

INSWING / OUTSWING

"IMPACT"



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. This system has been tested and evaluated as a large missile impact protective system for installation in areas that require wind borne debris protection. This product meets missile level "D" as defined in ASTM E 1996.
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	Vertical cross sections
6	Horizontal cross sections
7	Frame anchoring & hardware details
8	Bill of materials and components

CONFIG.	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POS.	NEG.	POS.	NEG.
X	37.5" x 98.0"				
OX / XO	76.25" x 98.0"	+50.0	-50.0	+50.0	-50.0
OXO	115.0" x 98.0"				



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

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P.O. Box 230 Valrico FL 33595

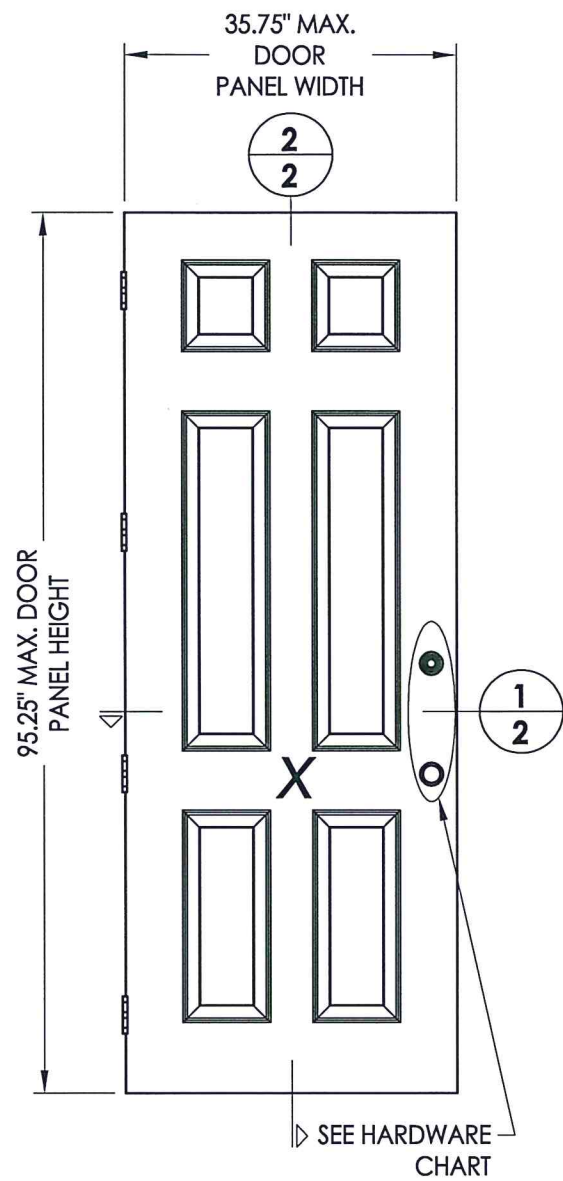
Phone No.: 813.659.9197

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

PRODUCT: TAYLOR DOOR STEEL DOOR
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	DESCRIPTION	BY
1	8/18/20	UPDATE TO 2018 IBC/IRC CODE	LFS

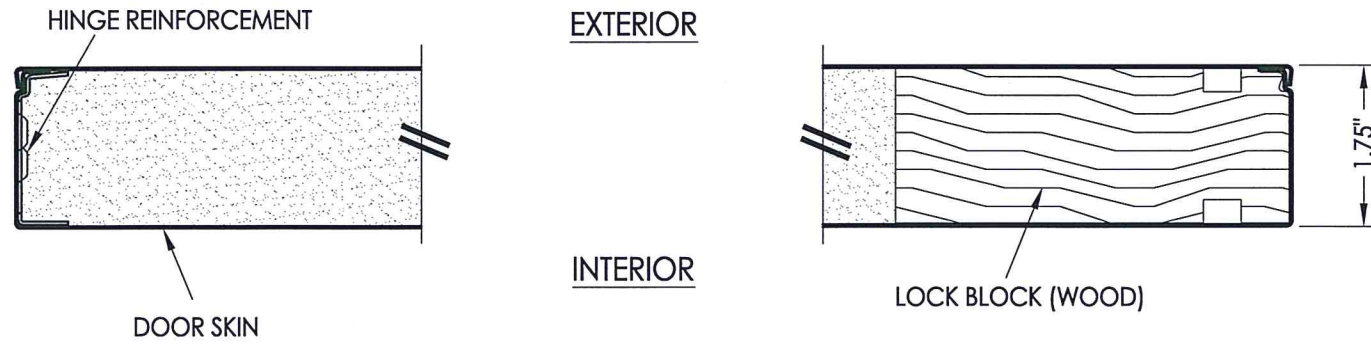
DATE: 11/3/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4510
SHEET 1 OF 8



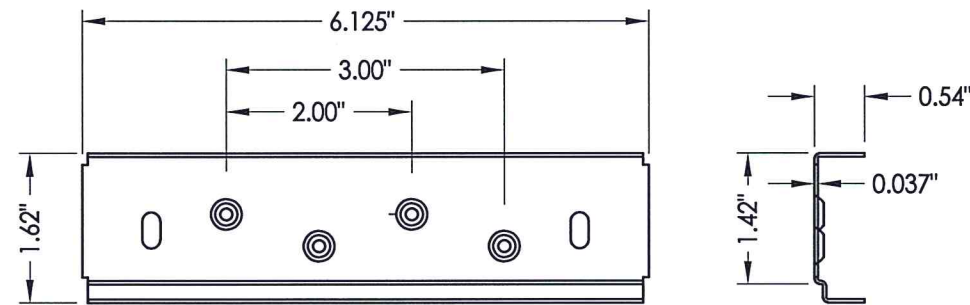
40 STEEL EDGE DOOR PANEL

DOOR SKIN: 0.022" MIN. THK. STEEL
CORE MATERIAL: POLYURETHANE FOAM

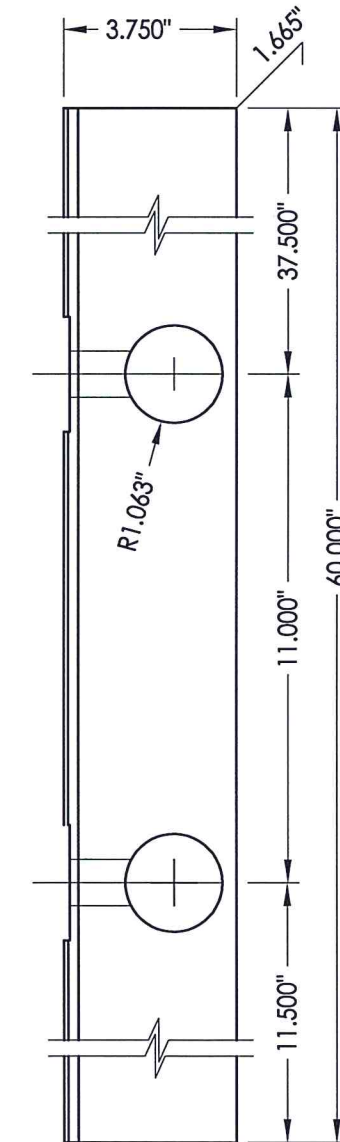
HARDWARE CHART	
MANUFACTURER	MODEL
YALE	KNOB: NEW TRADITIONS DEADBOLT: NEW TRADITIONS (800 SERIES)
SCHLAGE	KNOB/LEVER: "F" SERIES DEADBOLT: B60/62



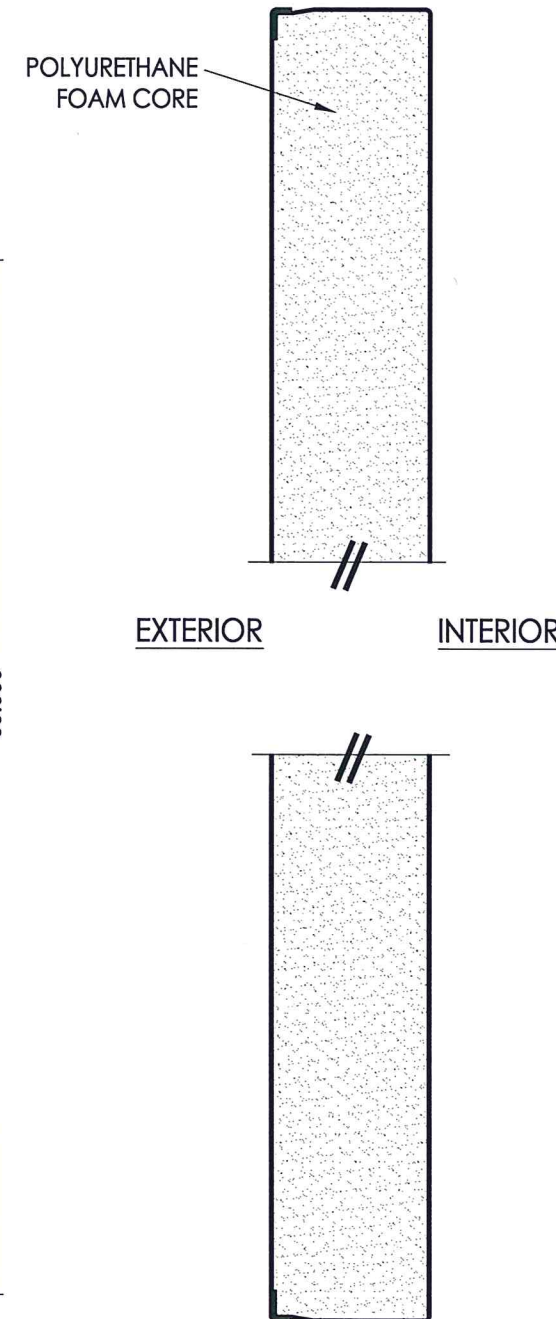
1 HORIZONTAL CROSS SECTION



3 HINGE REINFORCEMENT



4 LOCK BLOCK DETAIL



2 VERTICAL CROSS SECTION



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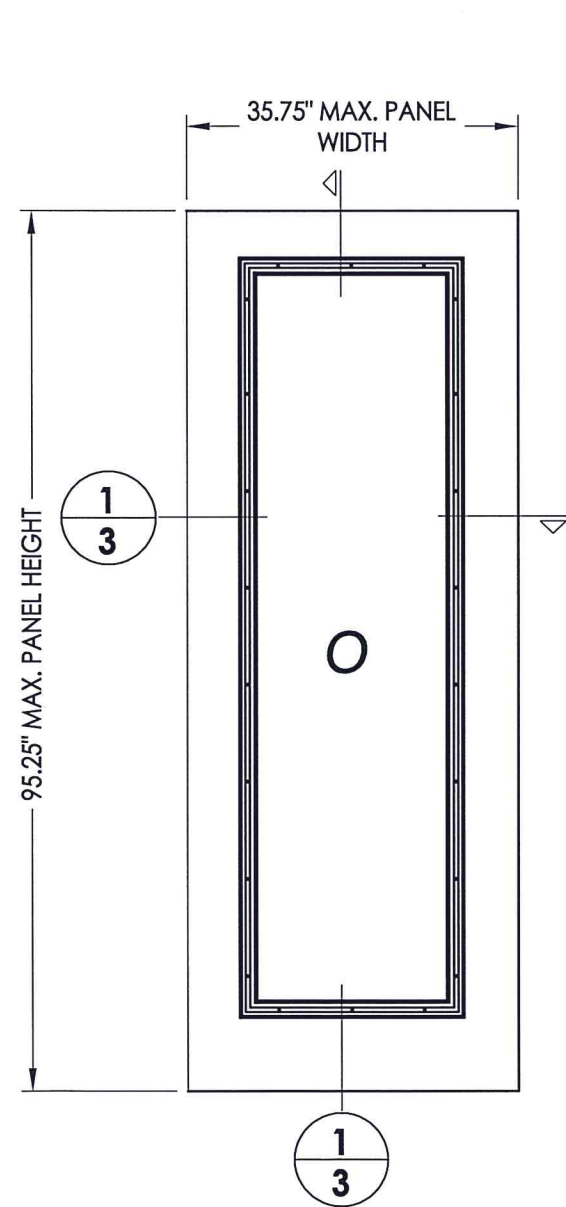
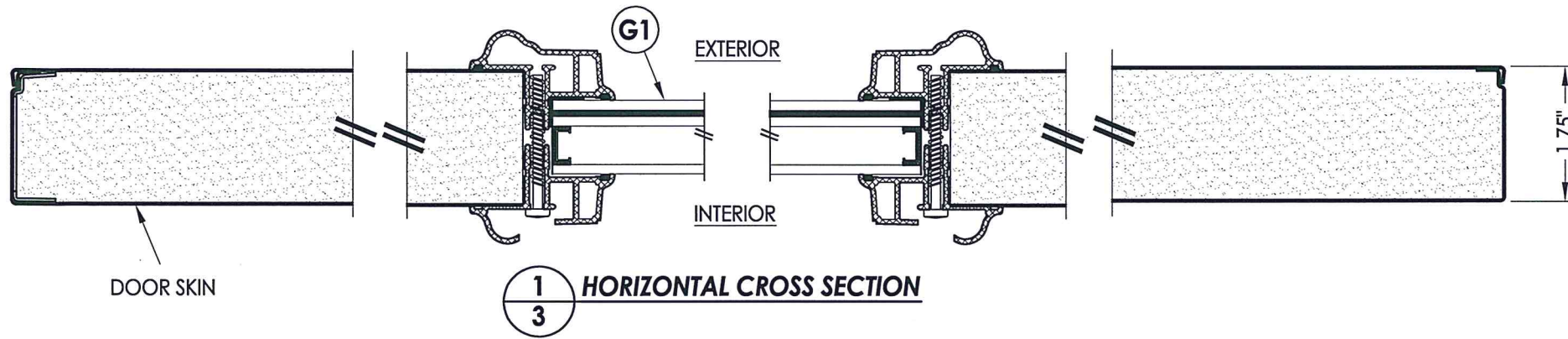
PRODUCT: TAYLOR DOOR
STEEL DOOR

PART OR ASSEMBLY:
DOOR
PANEL DETAILS

NO.	DATE	BY	REVISIONS
1	8/18/20	LFS	UPDATE TO 2018 IBC/IRC CODE

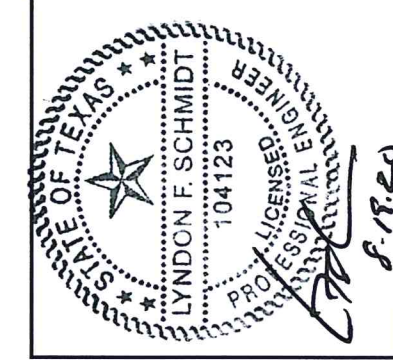
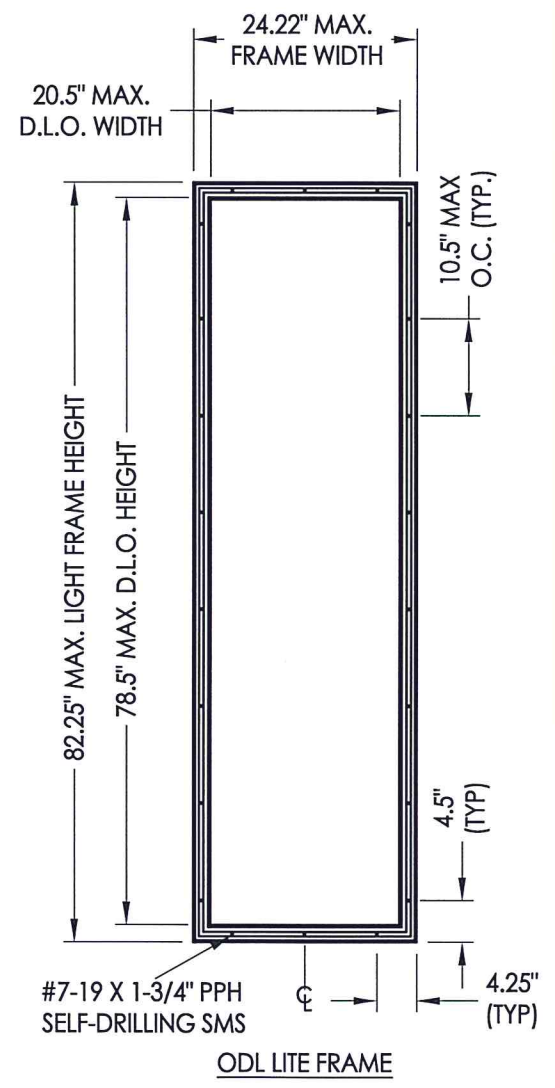
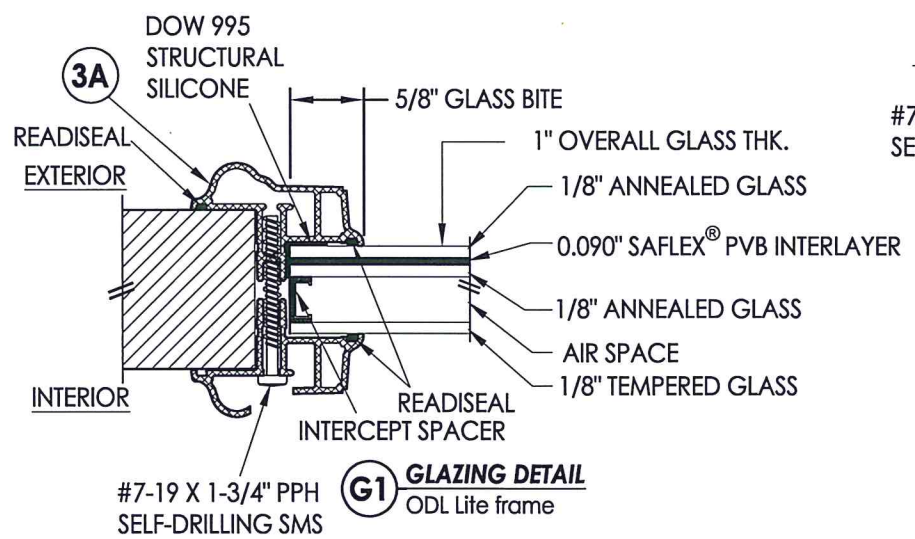
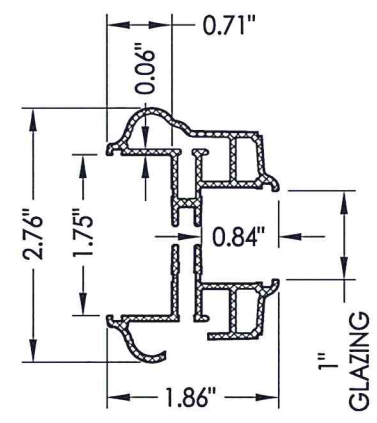
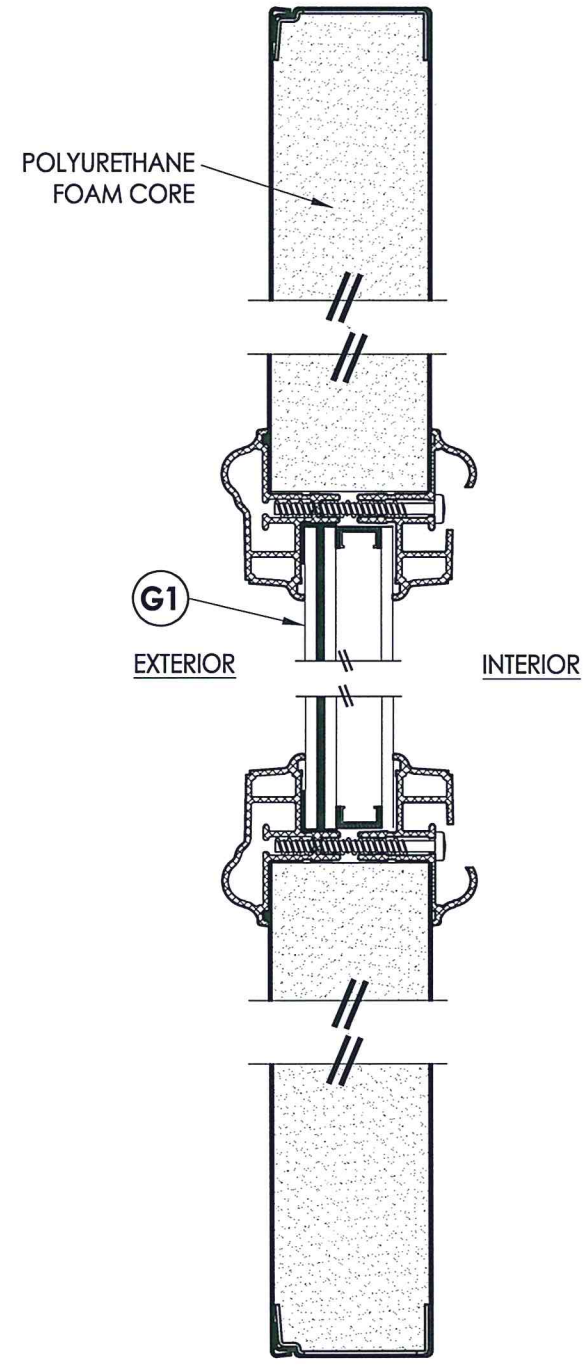
DATE: 11/3/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4510
SHEET 2 OF 8

R:\Clients\Taylor Permanent\B - Texas Dept of Ins\TDI - DR 735 6'8 & 8'0 Opaque Steel Doors Impact\Drawings\TX-4508-11.dwg, 3.3



50 TAYLOR SIDELITE PANEL

DOOR SKIN: 0.022" MIN. THK. STEEL
CORE MATERIAL: POLYURETHANE FOAM

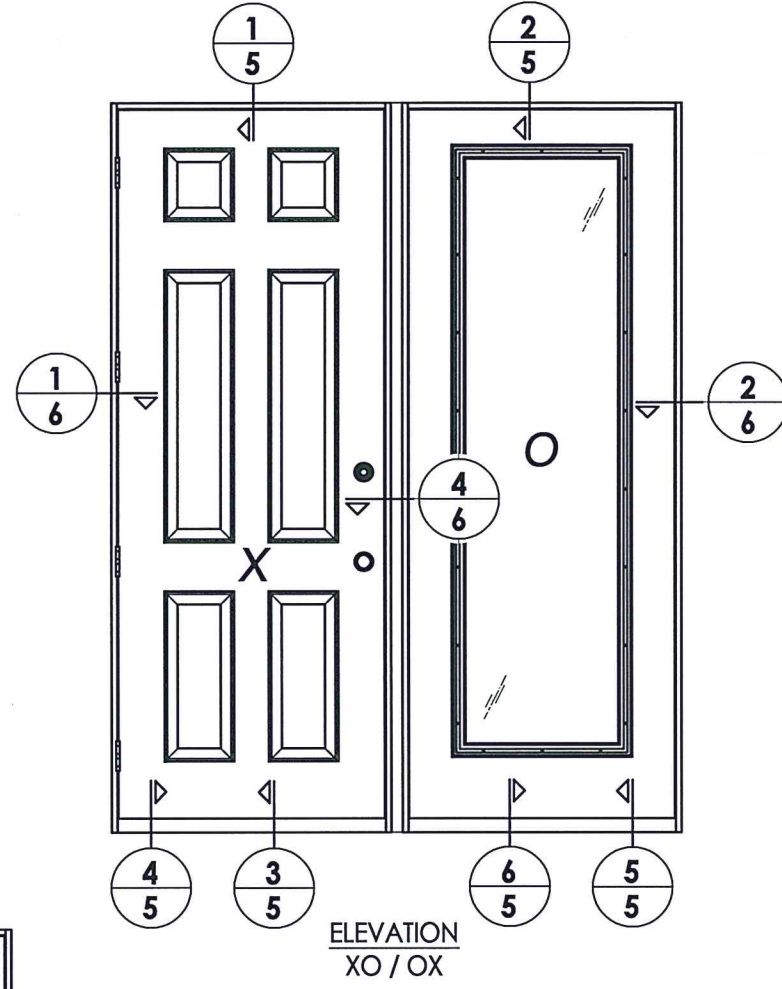
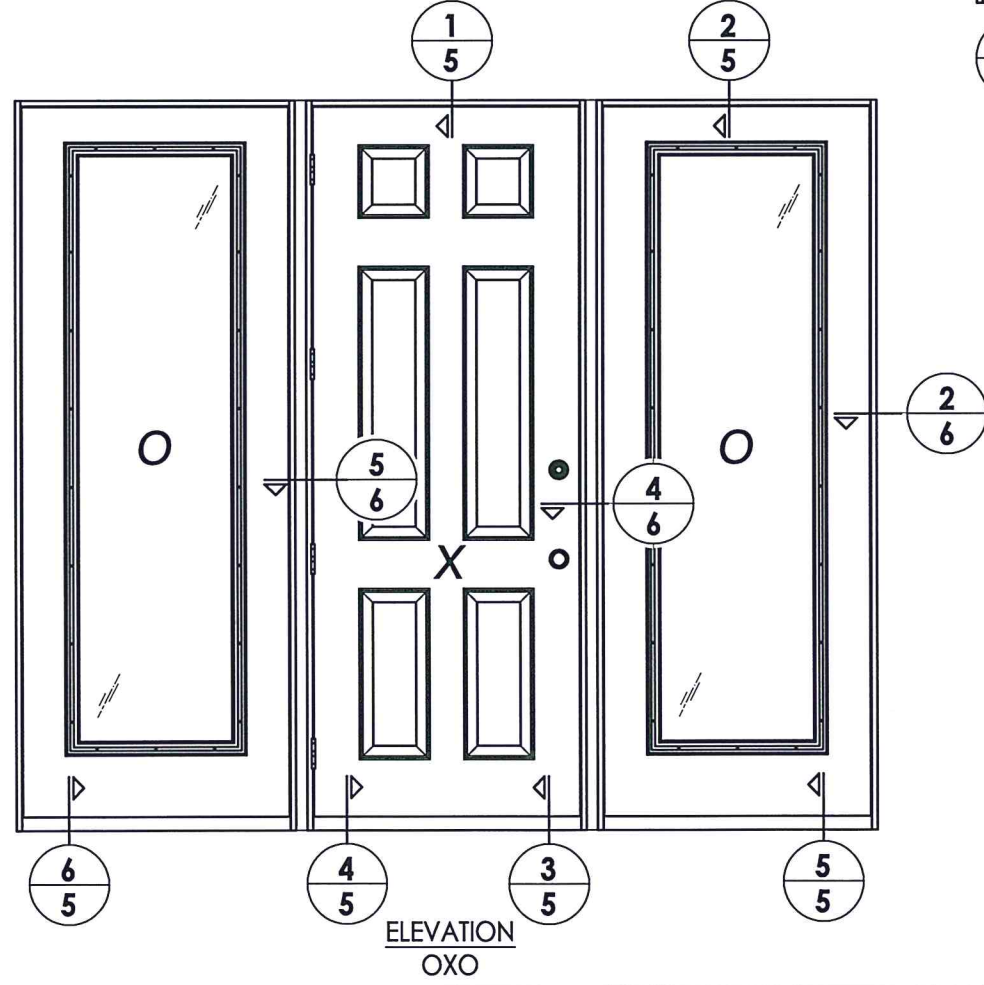
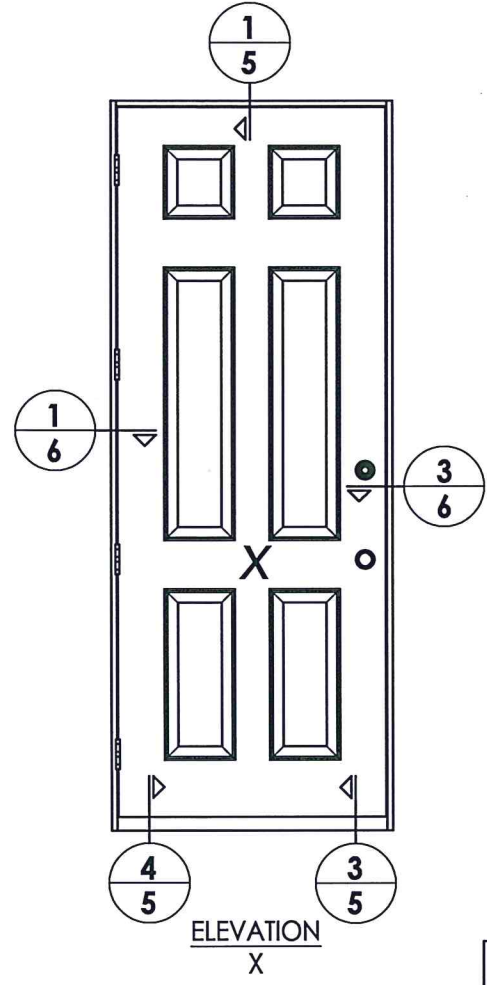


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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	TAYLOR DOOR STEEL DOOR	
PART OR ASSEMBLY:	SIDELITE PANEL DETAILS	
DATE:	11/3/14	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4510	
SHEET	3 OF 8	
NO.	DATE	REVISIONS
1	8/18/20	UPDATE TO 2018 IBC/IRC CODE
		LFS
		BY



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

PRODUCT: TAYLOR DOOR
STEEL DOOR

PART OR ASSEMBLY:
ELEVATIONS

NO.	DATE	DESCRIPTION	BY
1	8/18/20	UPDATE TO 2018 IBC/IRC CODE	LFS

DATE: 11/3/14

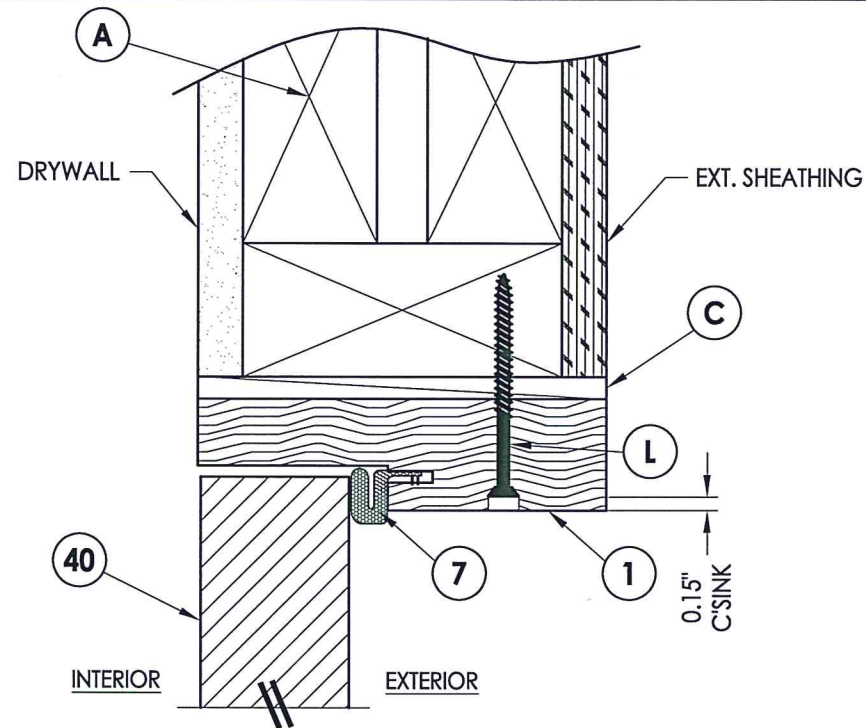
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DWG. BY: JK

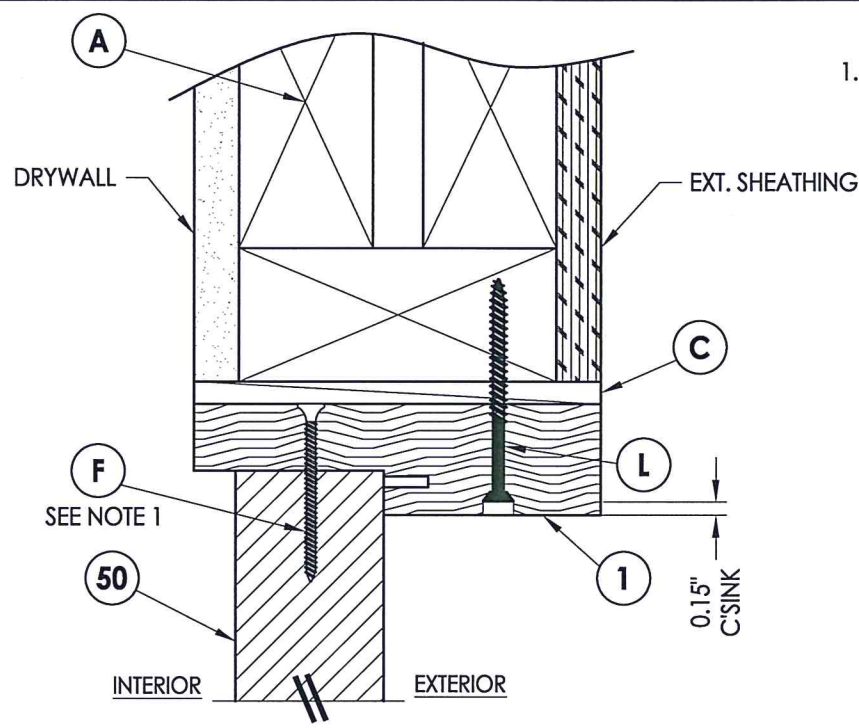
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DRAWING NO.:
TX-4510

SHEET 4 OF 8

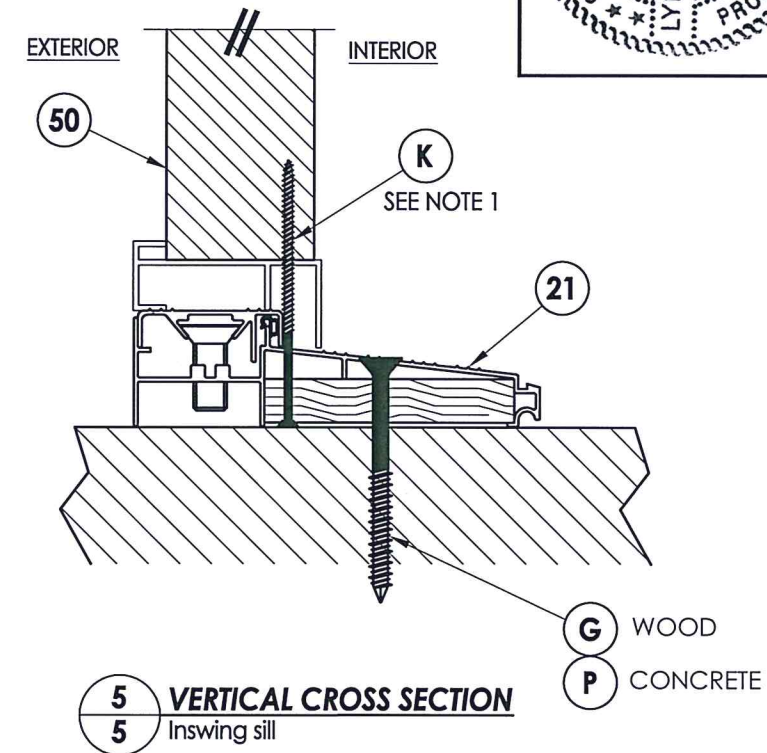


1 VERTICAL CROSS SECTION
5 Inswing shown (Outswing similar)

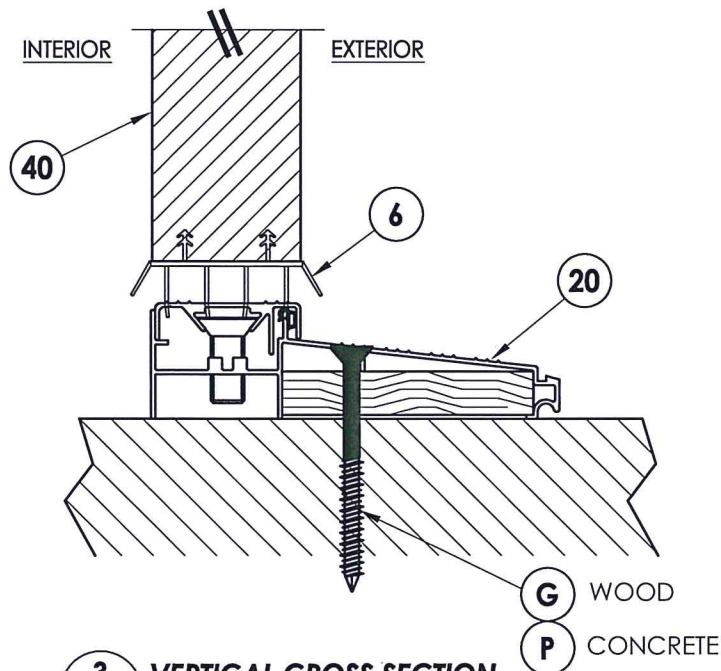


2 VERTICAL CROSS SECTION
5 Inswing shown (Outswing similar)

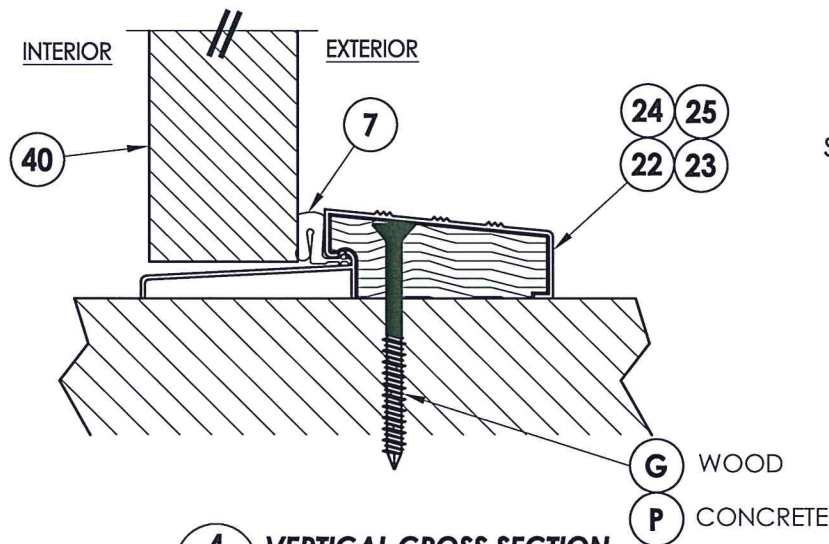
NOTE:
 1. Spacing for item F or K @ head & sill: 6" from each end plus 1 @ centerline (3 total).



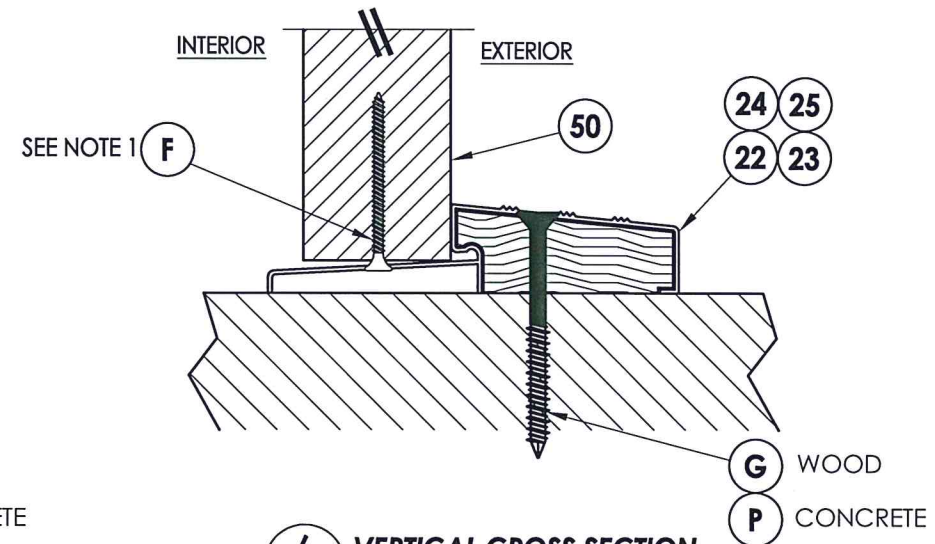
5 VERTICAL CROSS SECTION
5 Inswing sill



3 VERTICAL CROSS SECTION
5 Inswing sill



4 VERTICAL CROSS SECTION
5 Outswing sill



6 VERTICAL CROSS SECTION
5 Outswing sill



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

PRODUCT: TAYLOR DOOR STEEL DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	DESCRIPTION	LFS	BY
1	8/18/20	UPDATE TO 2018 IBC/IRC CODE		

DATE: 11/3/14

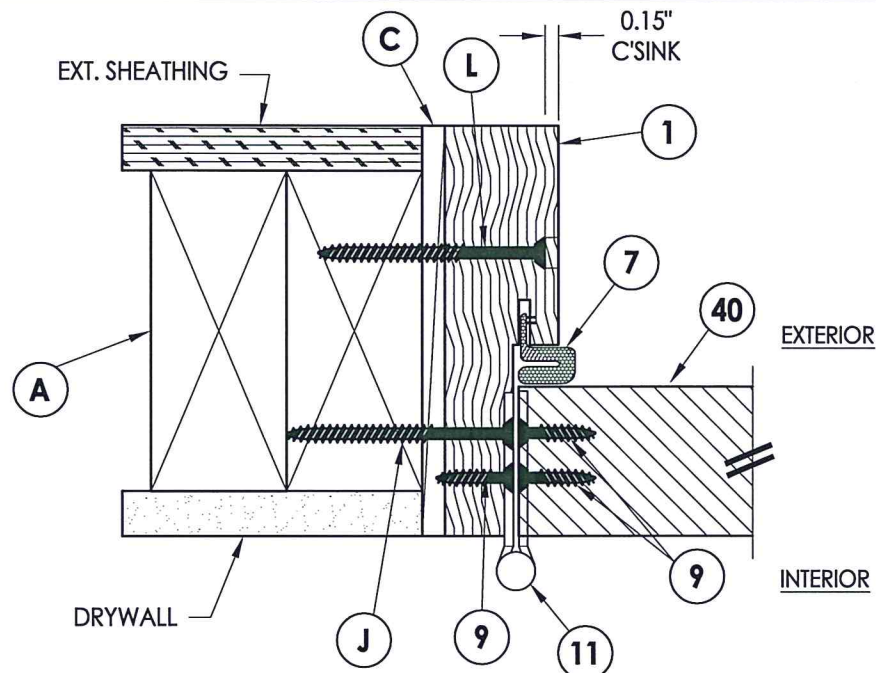
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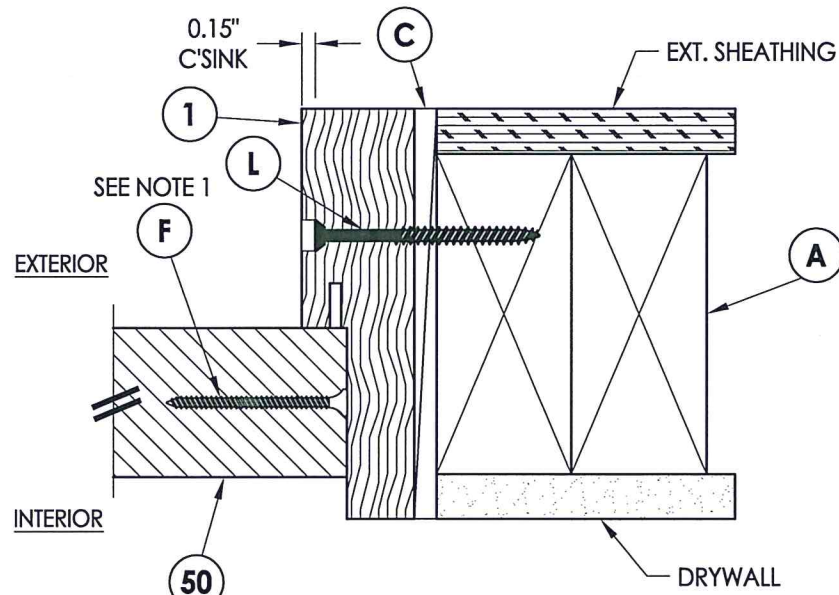
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DRAWING NO.: TX-4510

SHEET 5 OF 8

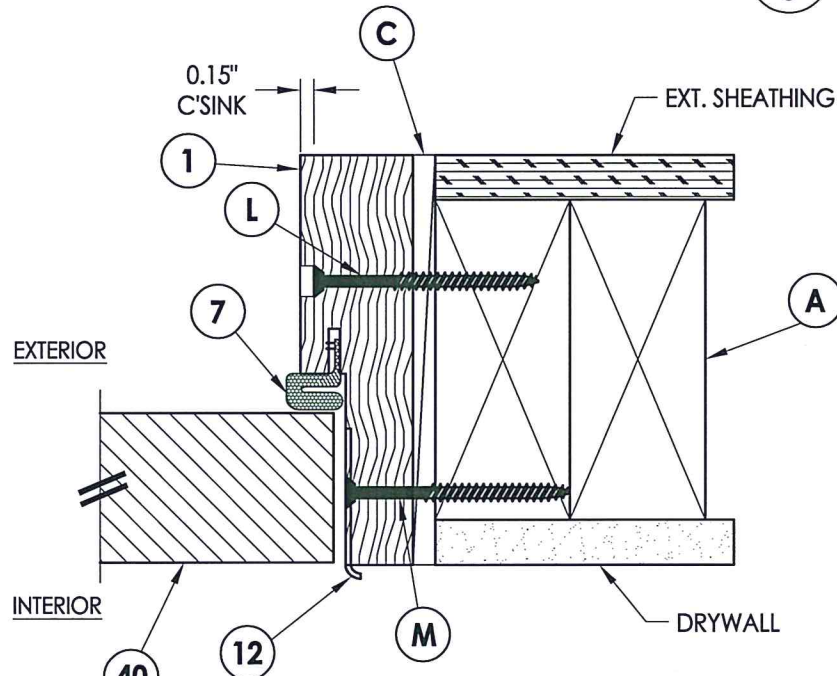


1
6 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)

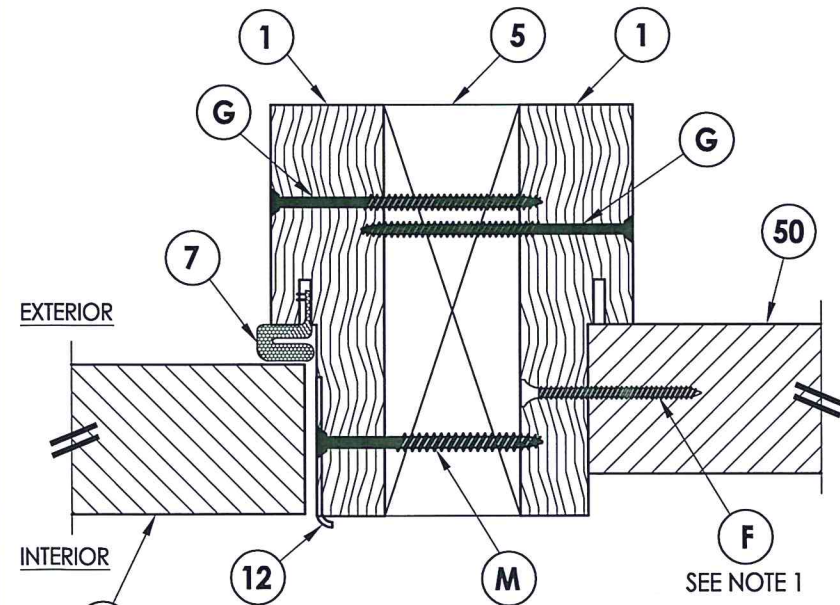


2
6 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)

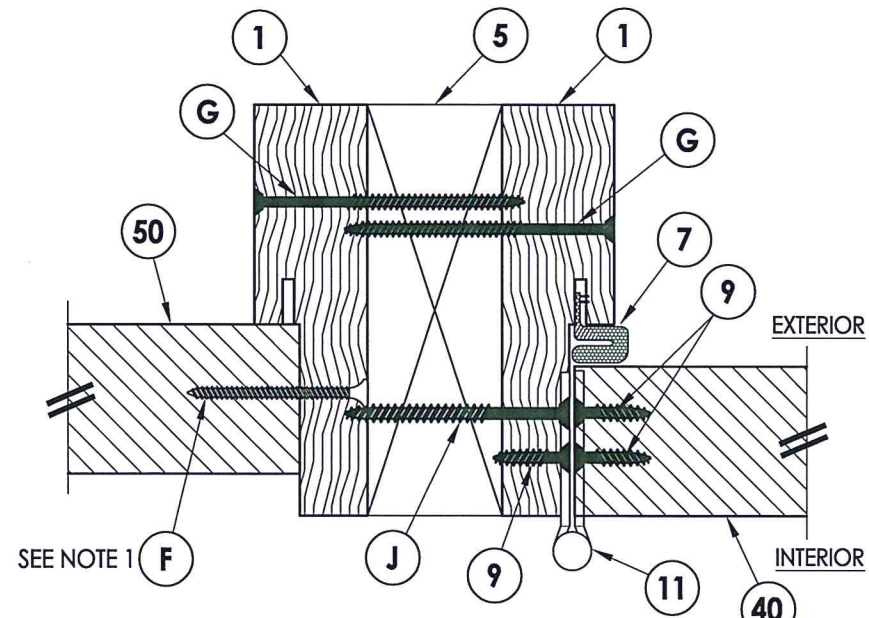
NOTE:
1. Spacing for item F: 6" from each end and 6 more equally spaced along sidelite jamb (8 total).



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



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



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



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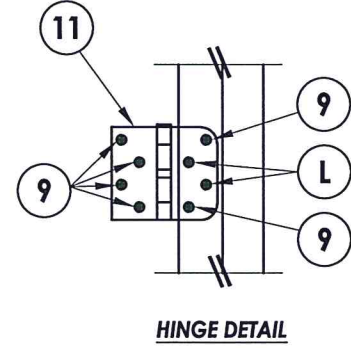
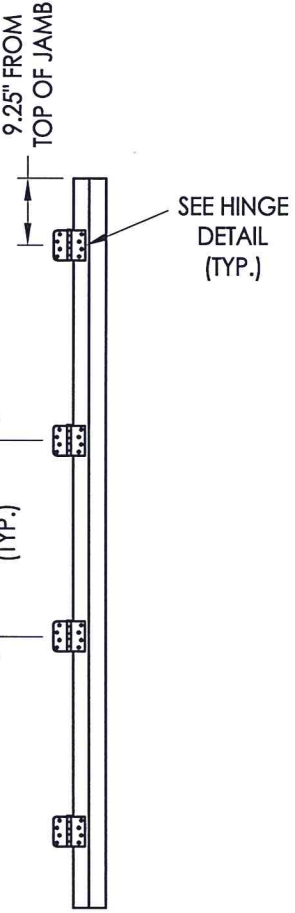
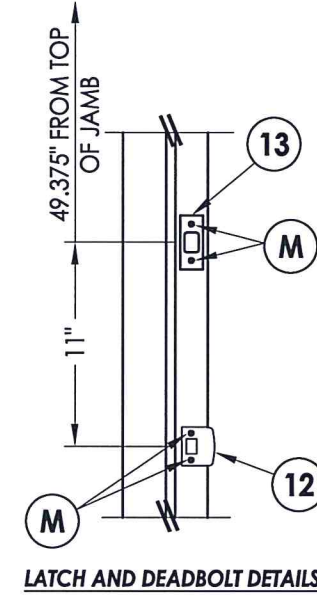
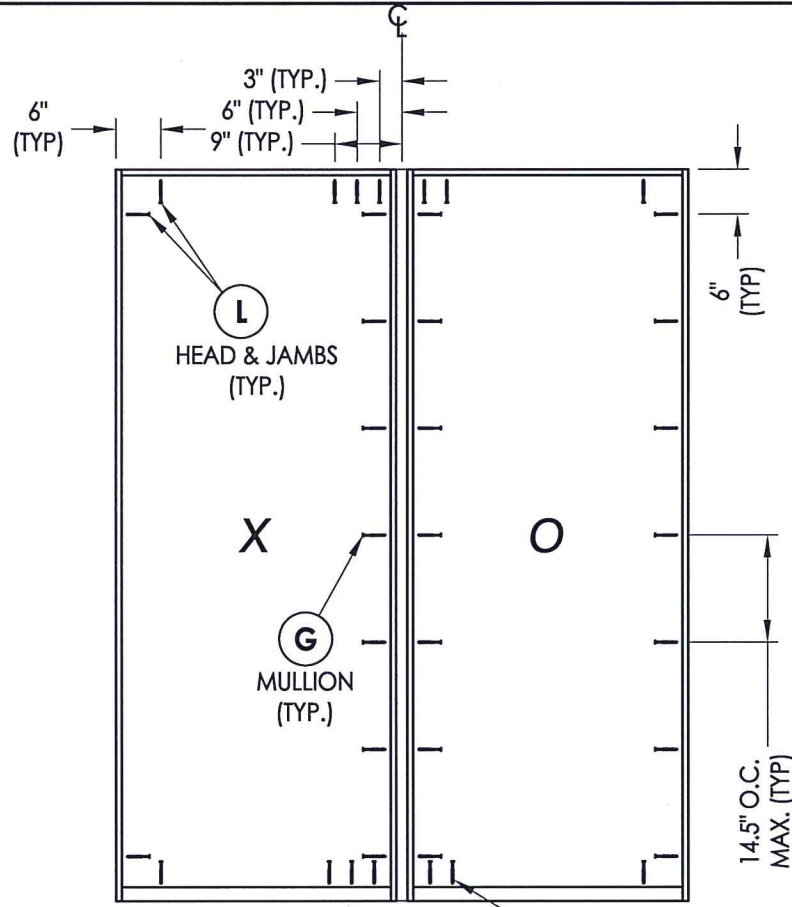
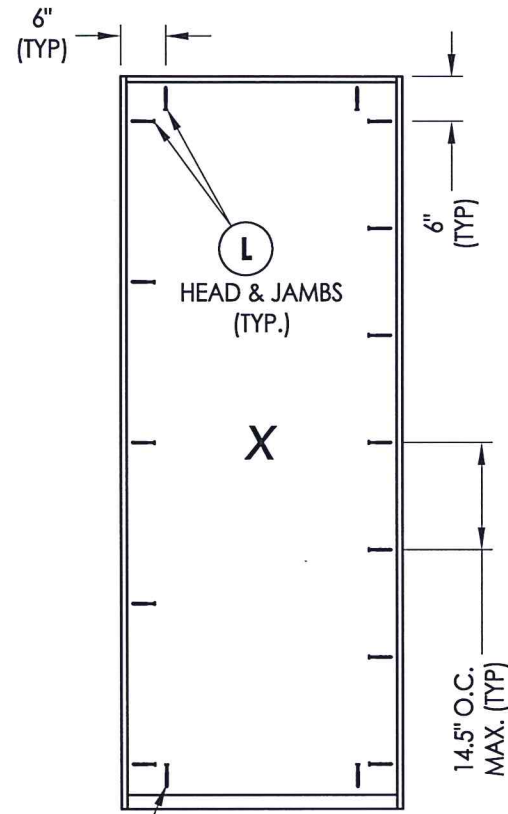
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P.O. Box 230 Valrico FL, 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: TAYLOR DOOR
STEEL DOOR

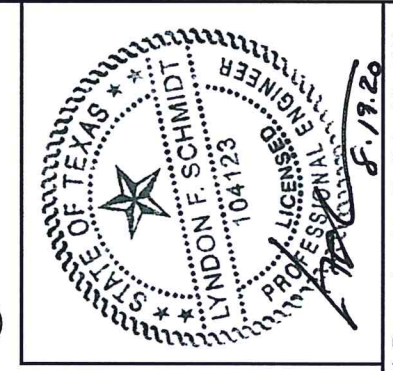
PART OR ASSEMBLY:
HORIZONTAL CROSS
SECTIONS

NO.	DATE	DESCRIPTION	LFS	BY
1	8/18/20	UPDATE TO 2018 IBC/IRC CODE		

DATE: 11/3/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4510
SHEET 6 OF 8



FRAME ANCHORING
2X stud framing
w/ wood/concrete substrate



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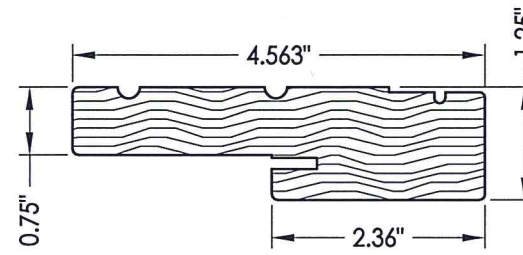
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

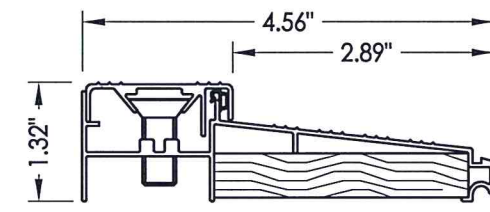
PRODUCT:		TAYLOR DOOR STEEL DOOR	
PART OR ASSEMBLY:		FRAME ANCHORING & HARDWARE DETAILS	
NO.	DATE	BY	REVISIONS
1	8/18/20	LFS	UPDATE TO 2018 IBC/IRC CODE
DATE: 11/3/14			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4510			
SHEET 7 OF 8			

BILL OF MATERIALS

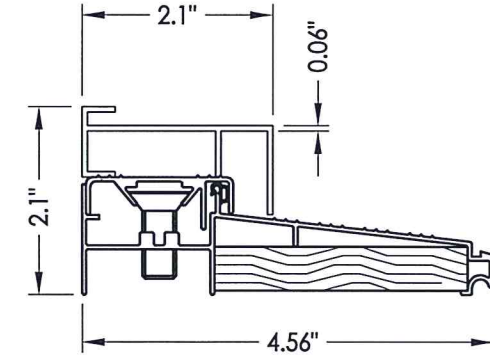
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#7 X 2" PFH DRYWALL SCREW	STEEL
G	#10 X 3" PFH WOOD SCREW (1-1/2" MIN. EMB.)	STEEL
J	#10 X 2-1/2" PFH WOOD SCREW	STEEL
K	#6 X 3" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	#8 X 2-1/2" PFH SMS	STEEL
P	1/4" PFH CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
1	WOOD JAMB (FINGER-JOINT PINE)	WOOD
5	2X MULLION (SG >= 0.55)	WOOD
6	SWEEP	PVC
7	WEATHERSTRIP	FOAM
9	#10 x 3/4" PFH WOOD SCREW	STEEL
11	4" X 4" HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
20	INSWING THRESHOLD	ALUM/WOOD
21	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/WOOD
22	OUTSWING THRESHOLD	ALUM/WOOD
23	OUTSWING THRESHOLD	ALUM/WOOD
24	OUTSWING THRESHOLD	ALUM/WOOD
25	OUTSWING THRESHOLD	ALUM
40	DOOR PANEL	-
50	SIDELITE PANEL	-



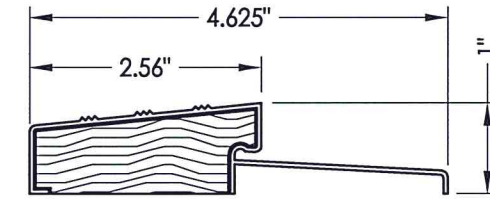
1 WOOD JAMB



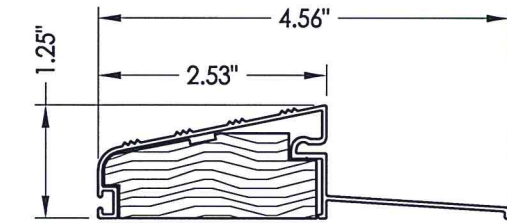
20 INSWING THRESHOLD DLP



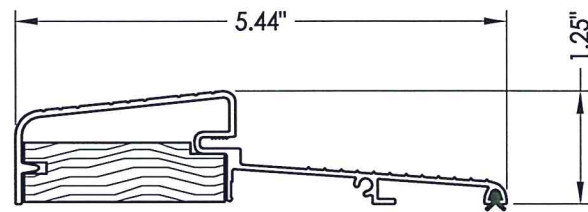
21 INSWING THRESHOLD w/ SIDELITE ADAPTER DLP



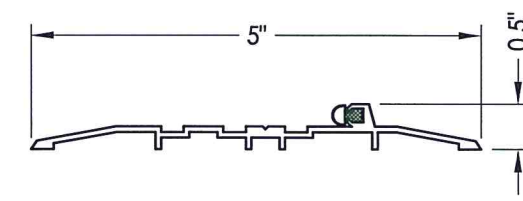
22 OUTSWING THRESHOLD DLP (QOS)



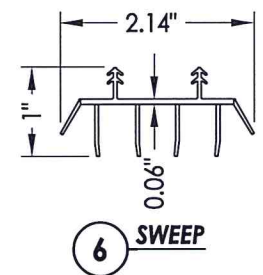
23 OUTSWING THRESHOLD DLP (QOSH)



24 OUTSWING THRESHOLD Combo



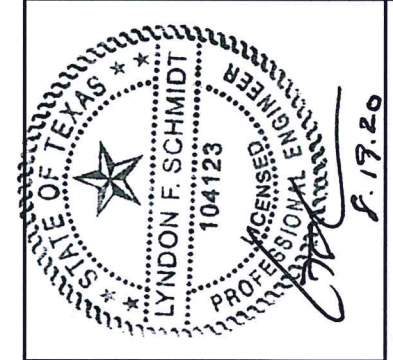
25 OUTSWING THRESHOLD DLP (OSHC)



6 SWEEP

- 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"
DeWALT ULTRACON®	1/4"	1-3/4"	1"	4"



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Phone No.: 813.659.9197

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

PRODUCT: TAYLOR DOOR STEEL DOOR

PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	DESCRIPTION	BY
1	8/18/20	UPDATE TO 2018 IBC/IRC CODE	LFS

DATE: 11/3/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4510
SHEET 8 OF 8