



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

OPAQUE STEEL DOORS SINGLES w/ or w/o SIDELITES INSWING / OUTSWING "NON-IMPACT"

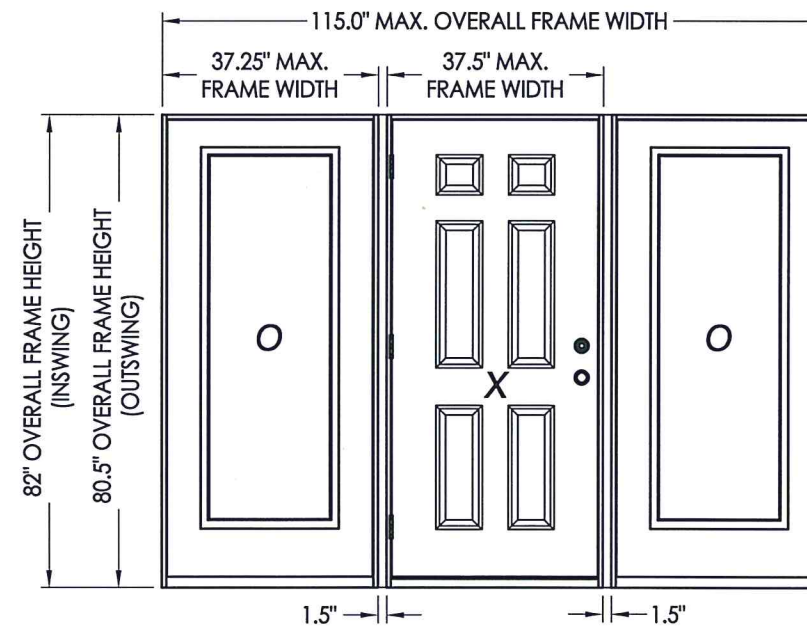
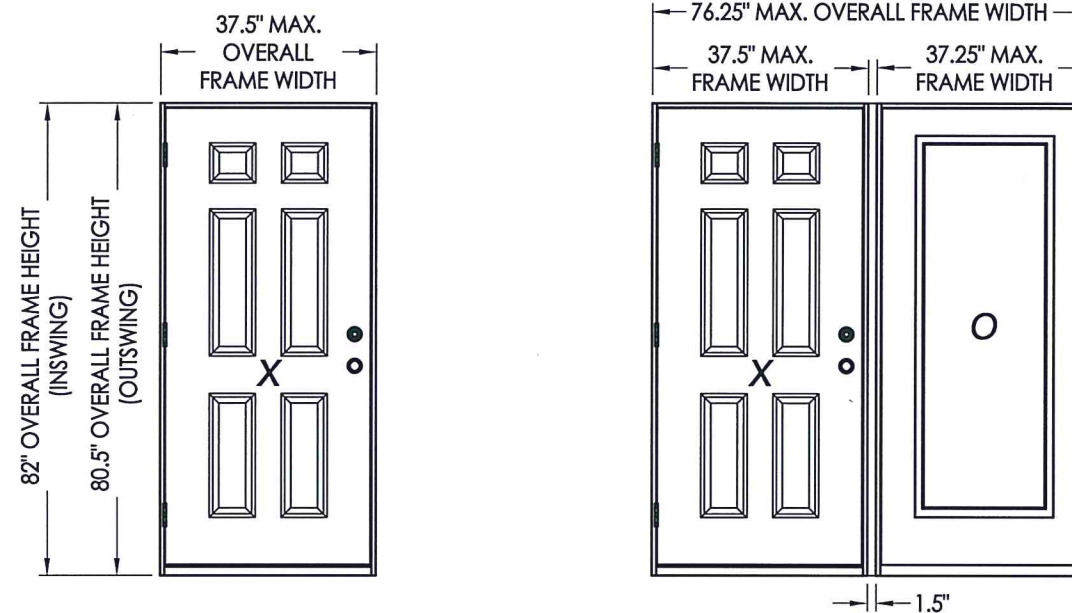
EVALUATED FOR USE IN THE STATE OF TEXAS

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:

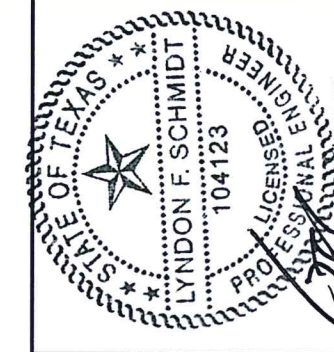
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. When used in areas requiring wind-borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 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	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 82.0"				
OX / XO	76.25" x 82.0"	+40.0	-40.0	+40.0	-40.0
OXO	115.0" x 82.0"				



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

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

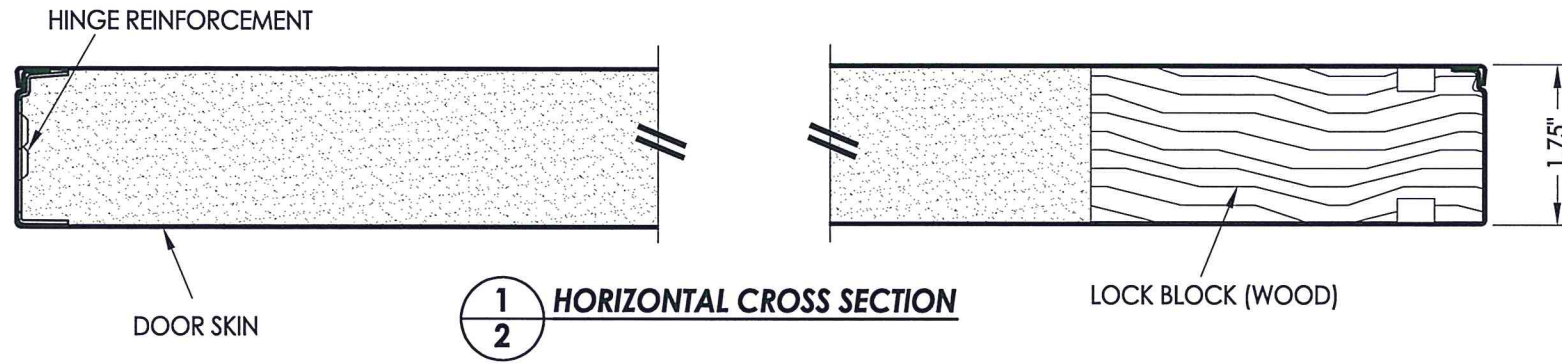
PRODUCT: TAYLOR DOOR STEEL DOOR
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS	BY
1	8/19/20	UPDATE TO 2018 IBC/IRC CODE	LFS

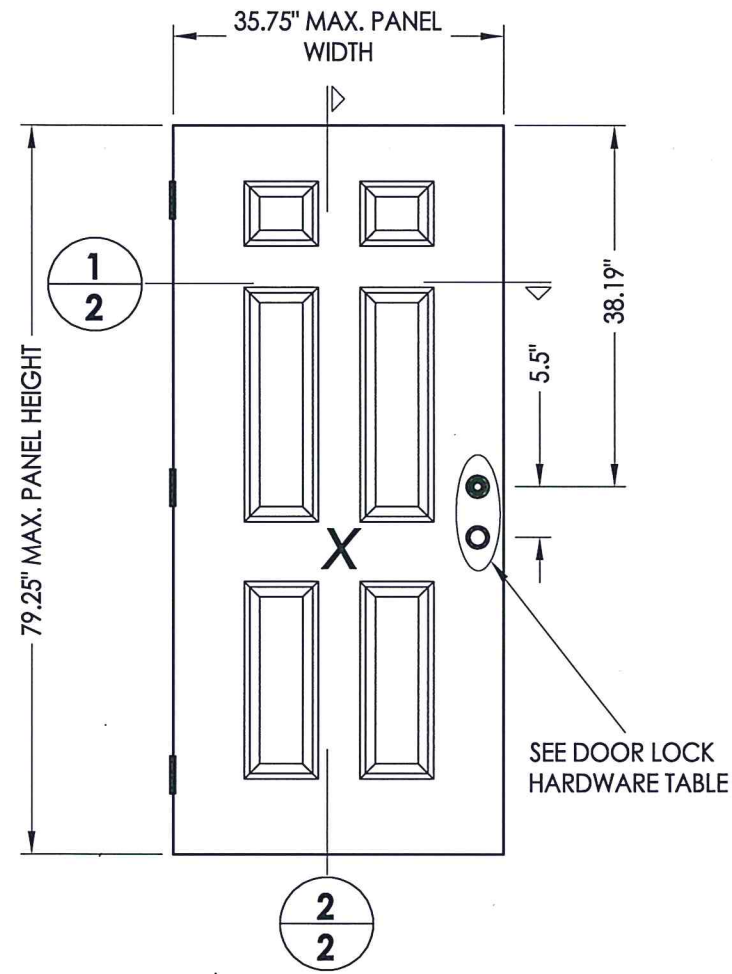
DATE: 11/3/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4499

SHEET 1 OF 8

R:\Clients\Taylor Permanent\B - Texas Dept of Ins\TDI - DR 739 6'8 & 8'0 Opaque Steel Doors Non Impact\Drawings\TX-4499-4502.dwg, 2.1



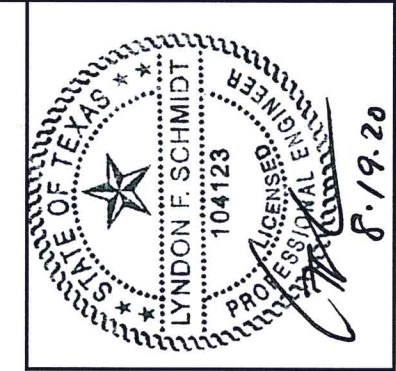
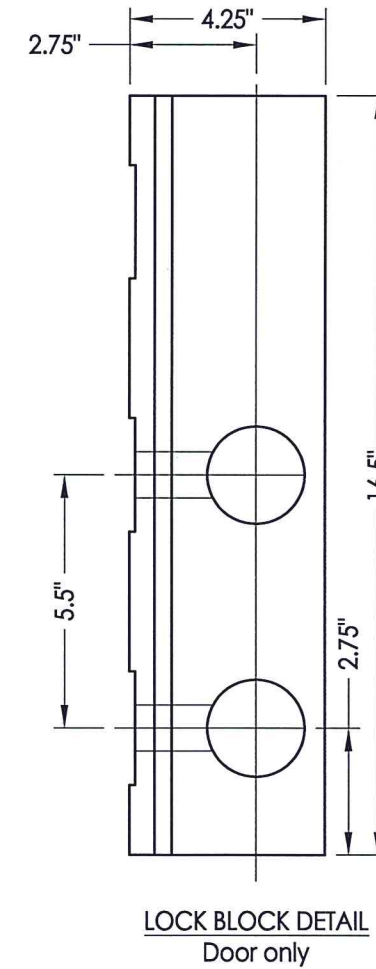
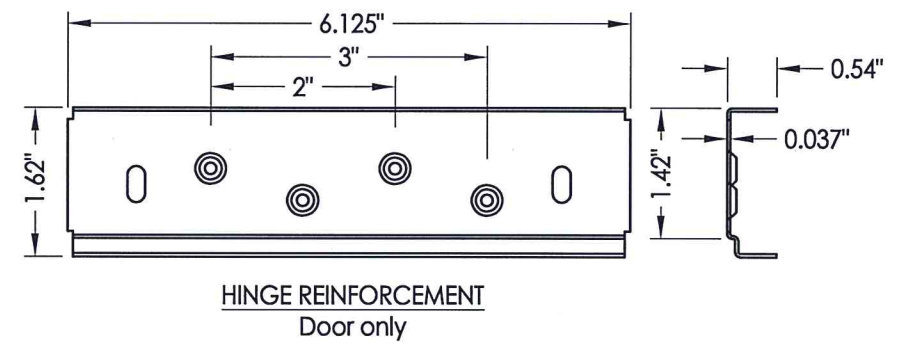
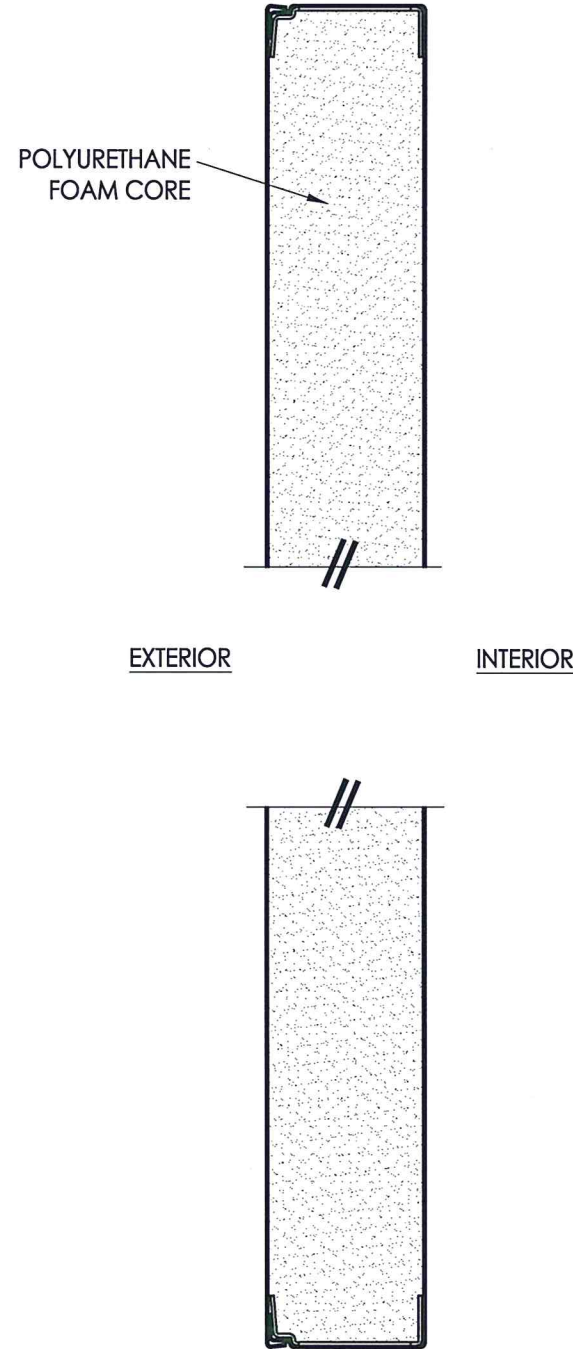
1
2 HORIZONTAL CROSS SECTION



40 TAYLOR 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



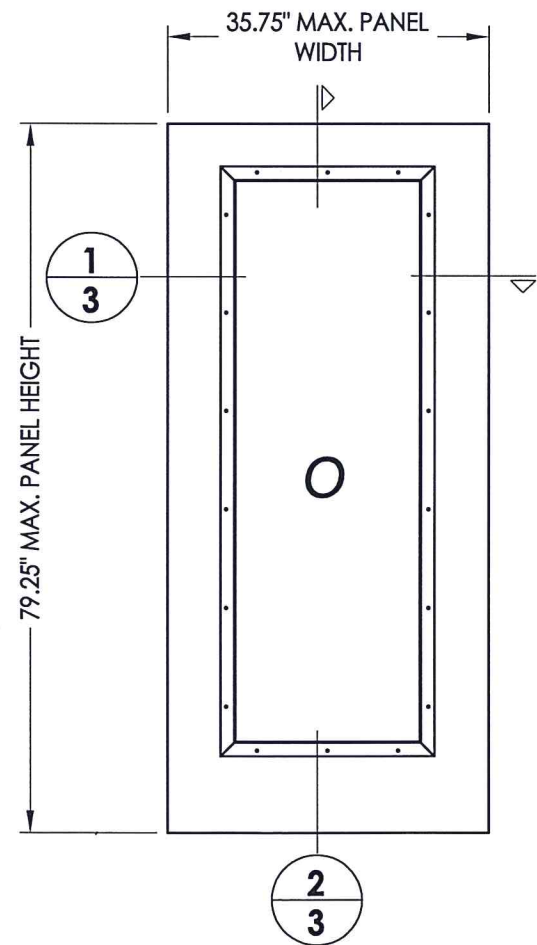
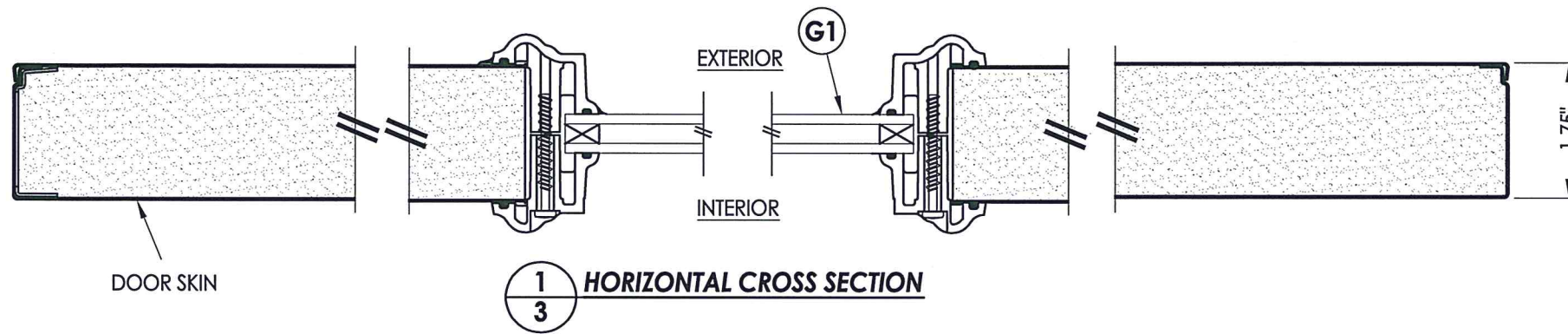
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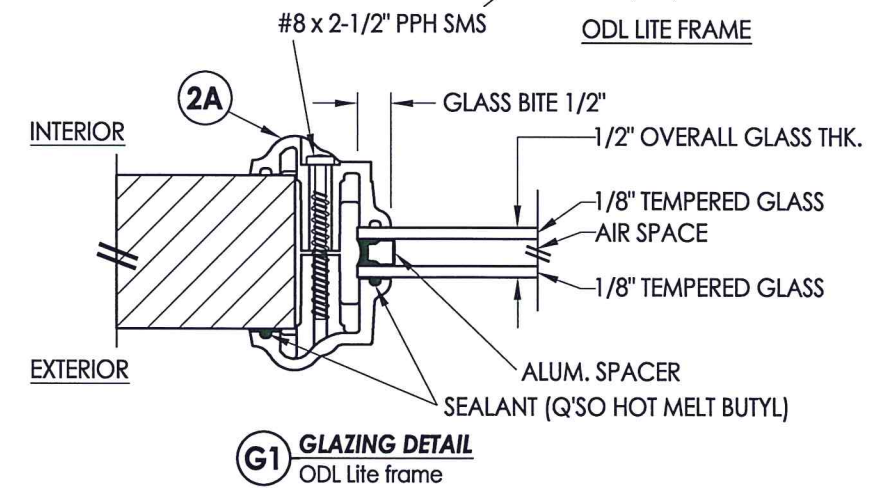
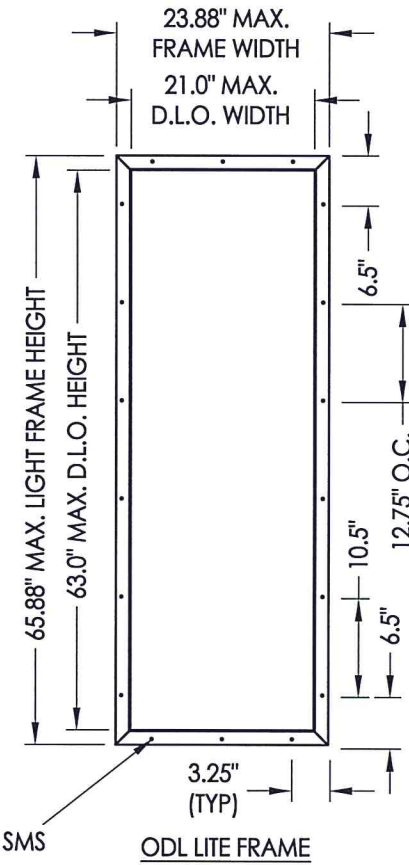
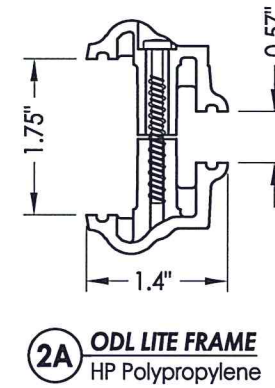
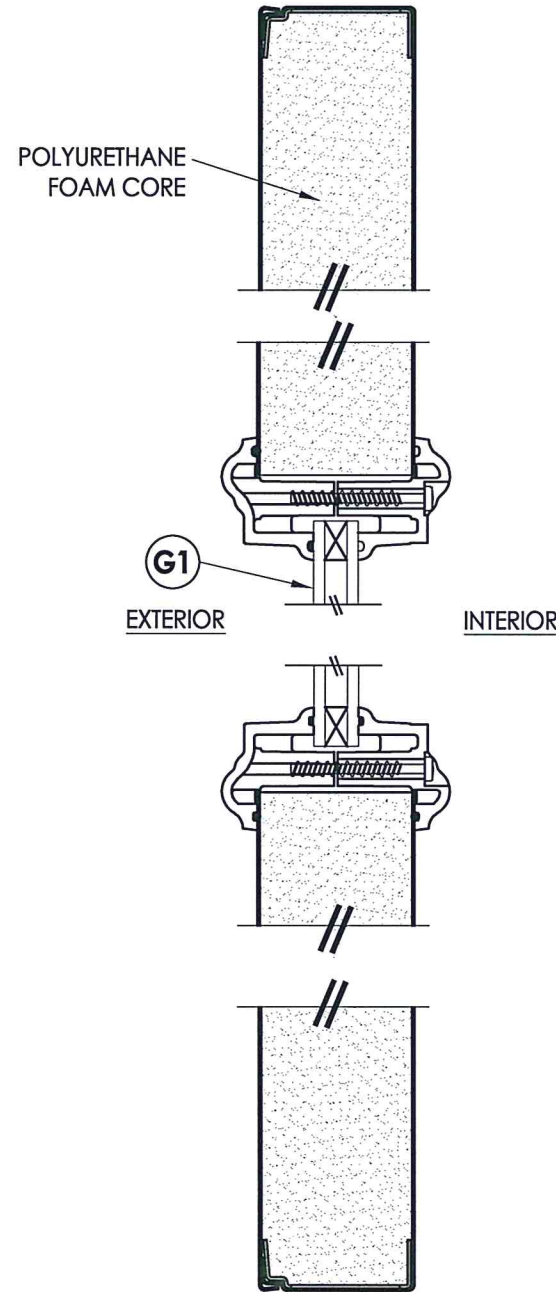
PRODUCT: TAYLOR DOOR
STEEL DOOR
PART OR ASSEMBLY: DOOR
PANEL DETAILS

NO.	DATE	REVISIONS	BY
1	8/19/20	UPDATE TO 2018 IBC/IRC CODE	LFS

DATE: 11/3/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4499
SHEET 2 OF 8



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

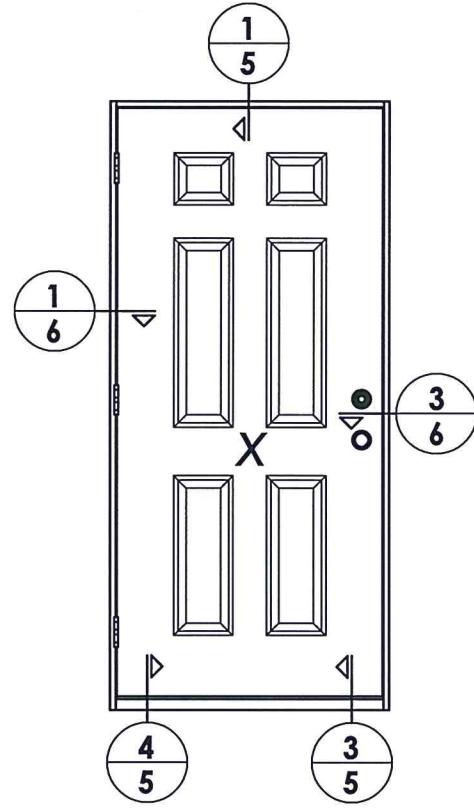


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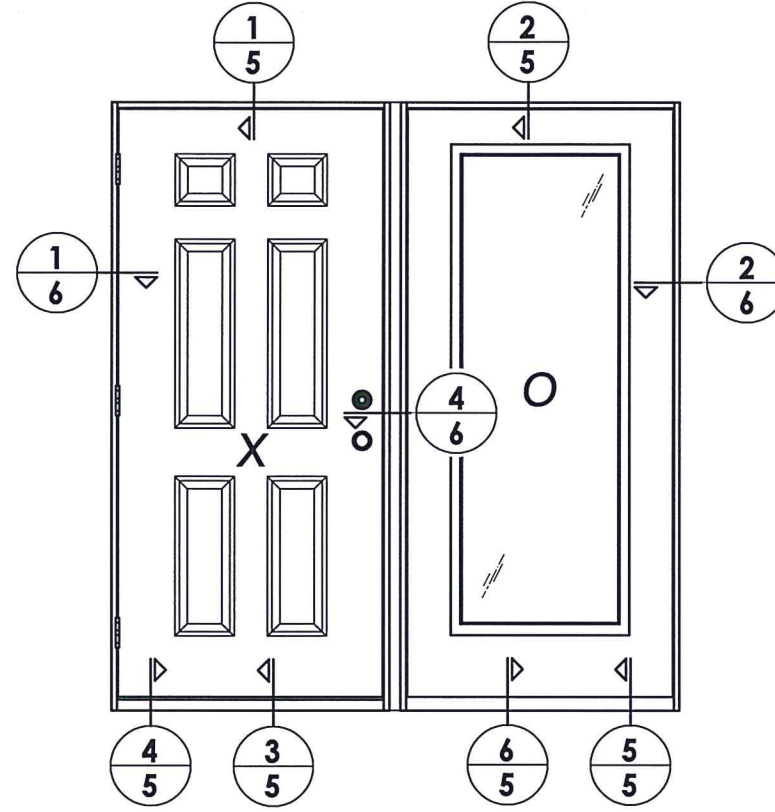
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CERTIFICATE OF REGISTRATION # F-11852

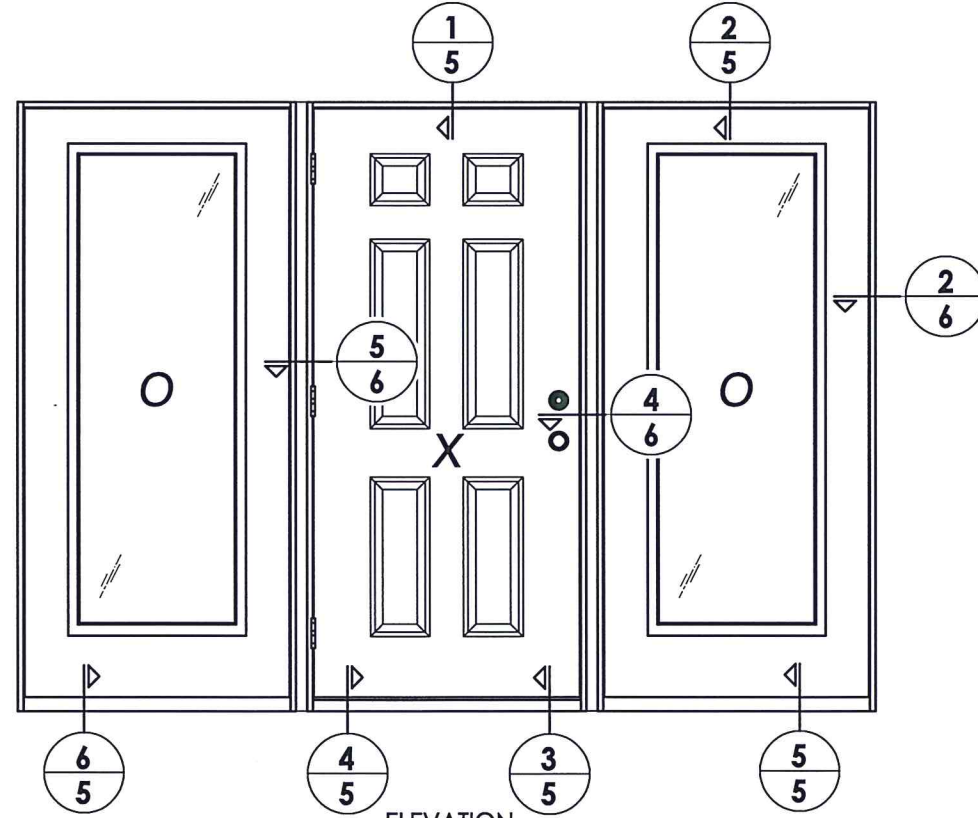
PRODUCT: TAYLOR DOOR STEEL DOOR	
PART OR ASSEMBLY: SIDELITE PANEL DETAILS	
NO.	DATE
1	8/19/20
UPDATE TO 2018 IBC/IRC CODE	
LFS	BY
REVISIONS	
DATE: 11/3/14	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: TX-4499	
SHEET 3 OF 8	



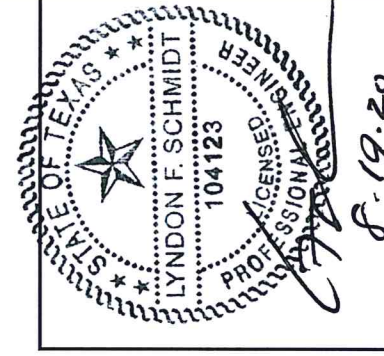
ELEVATION
X



ELEVATION
XO / OX



ELEVATION
OXO



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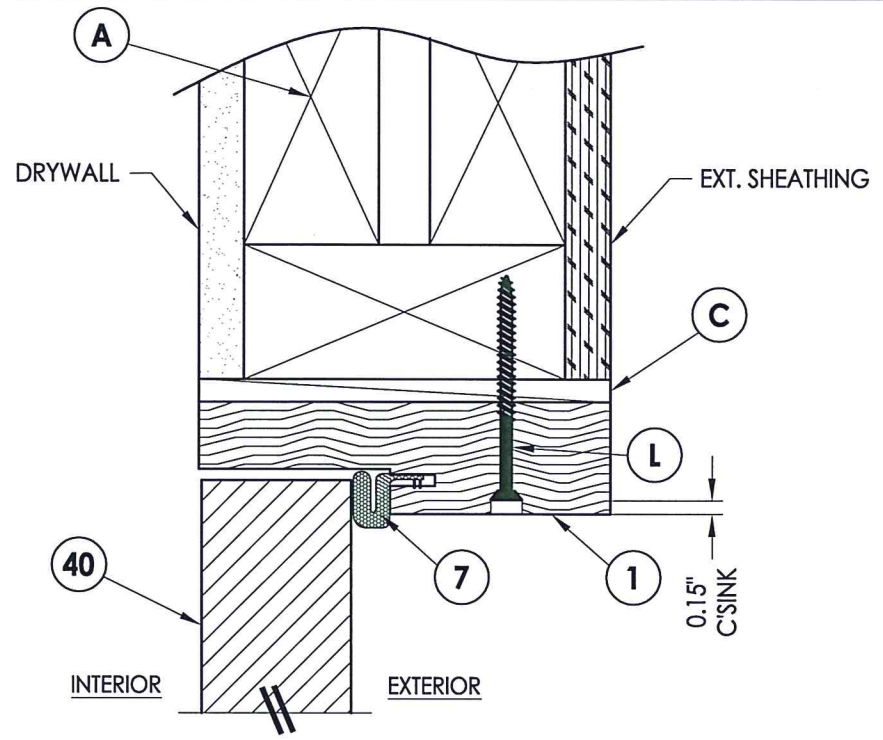
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: TAYLOR DOOR
STEEL DOOR

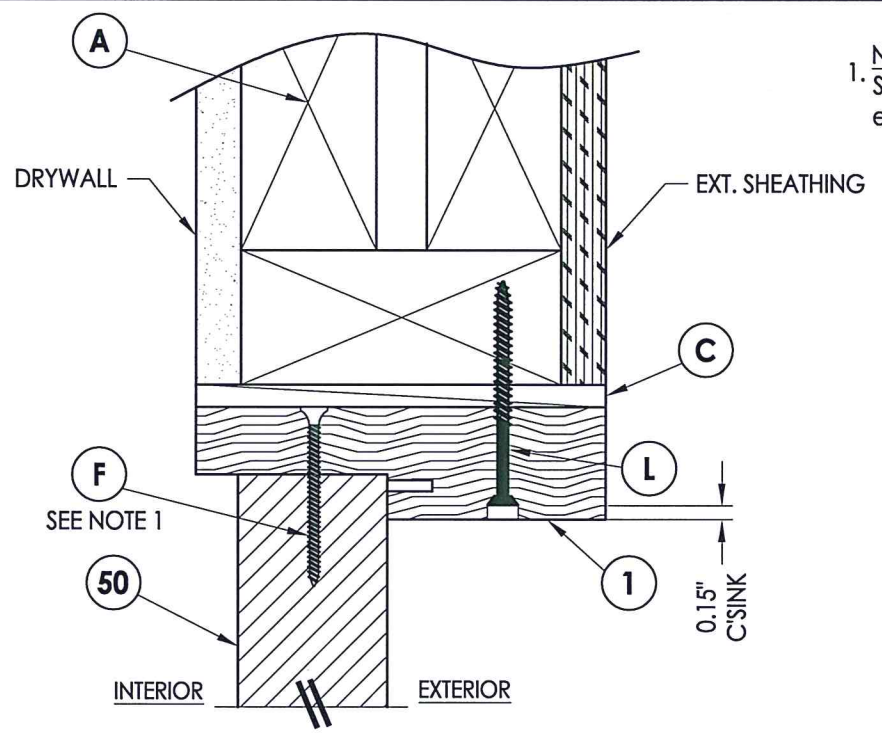
PART OR ASSEMBLY:
ELEVATIONS

NO.	DATE	DESCRIPTION	BY
1	8/19/20	UPDATE TO 2018 IBC/IRC CODE	LFS

DATE: 11/3/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4499
SHEET 4 OF 8

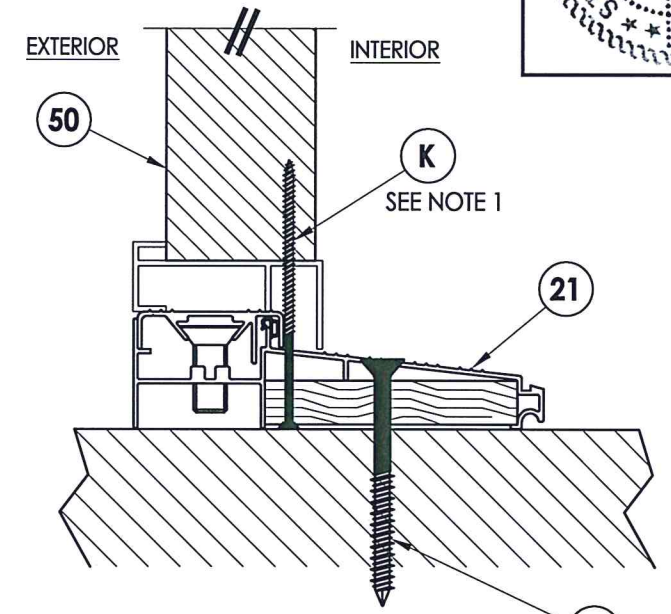


1 VERTICAL CROSS SECTION
5 Inswing shown (Outswing similar)



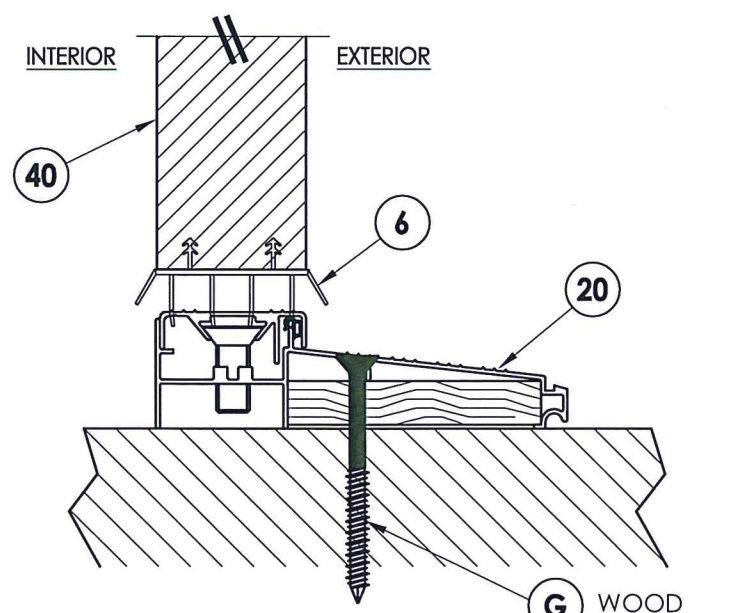
2 VERTICAL CROSS SECTION
5 Inswing shown (Outswing similar)

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

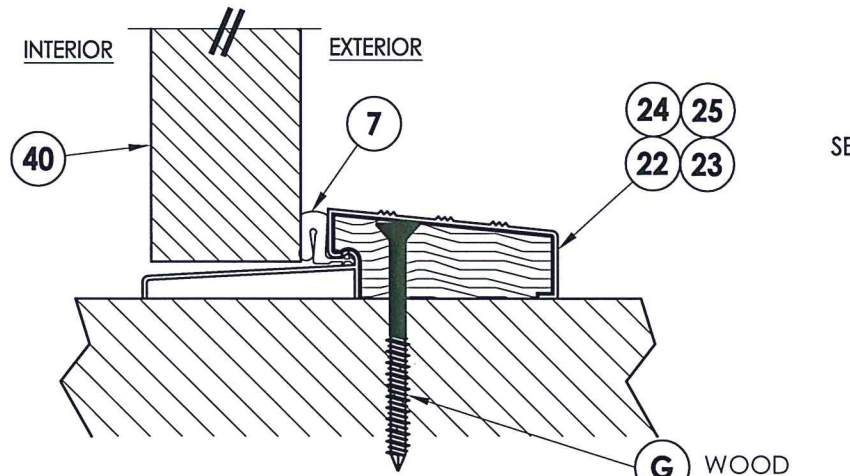


5 VERTICAL CROSS SECTION
5 Inswing sill

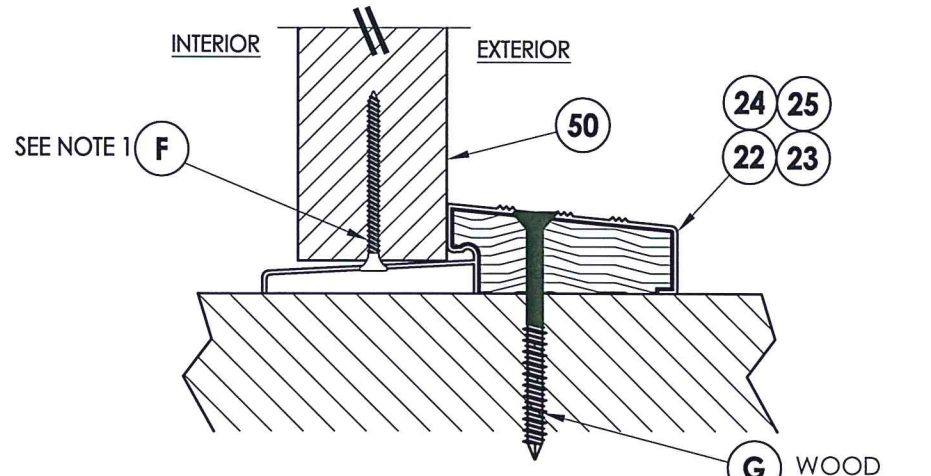
G WOOD
P CONCRETE



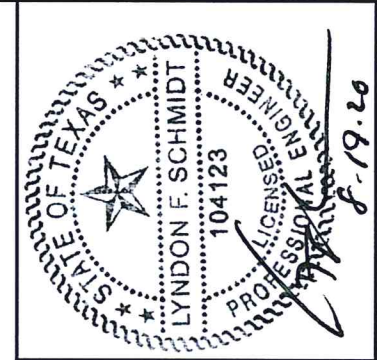
3 VERTICAL CROSS SECTION
5 Inswing sill



4 VERTICAL CROSS SECTION
5 Outswing sill



6 VERTICAL CROSS SECTION
5 Outswing sill



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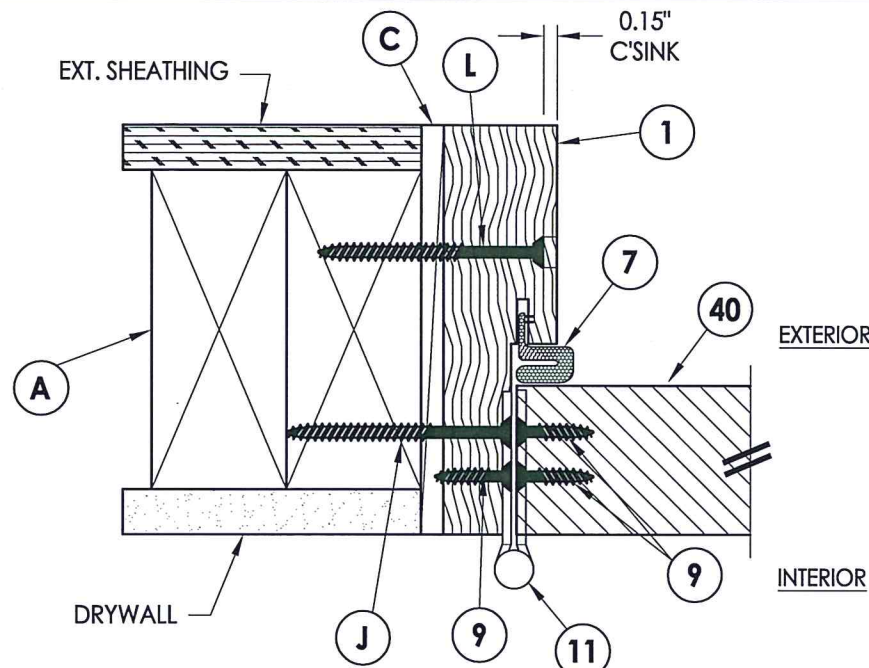
RW BUILDING CONSULTANTS, INC.
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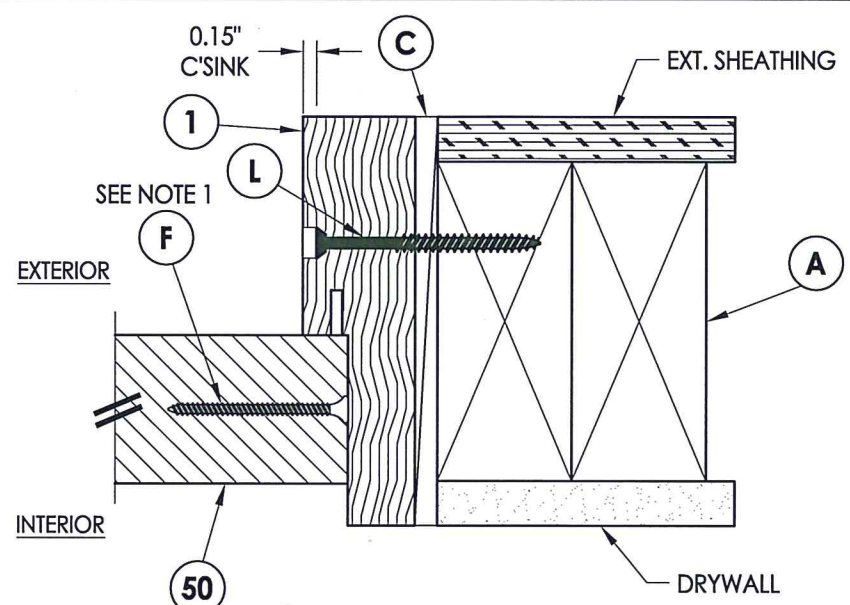
PRODUCT: TAYLOR DOOR STEEL DOOR
 PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	DESCRIPTION	BY
1	8/19/20	UPDATE TO 2018 IBC/IRC CODE	LFS

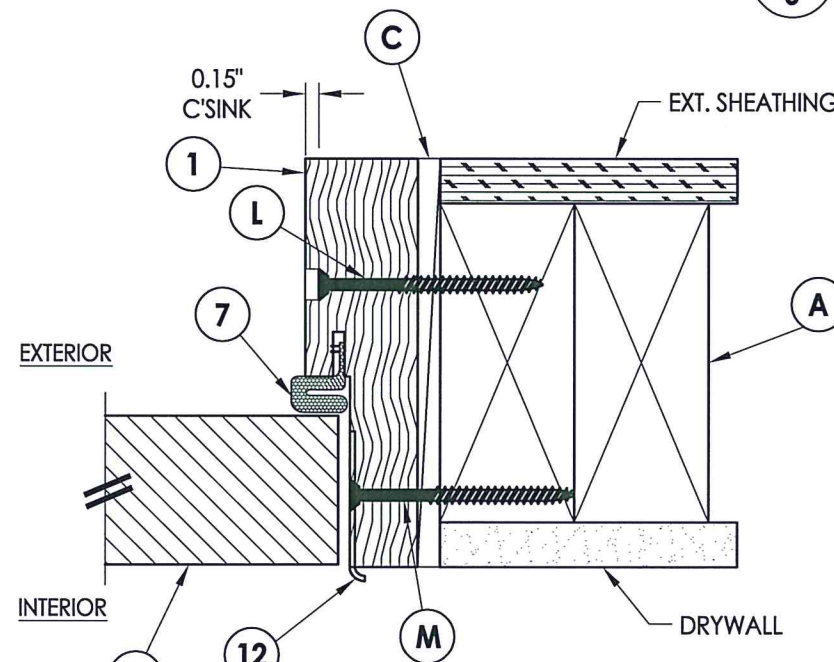
DATE: 11/3/14
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 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4499
 SHEET 5 OF 8



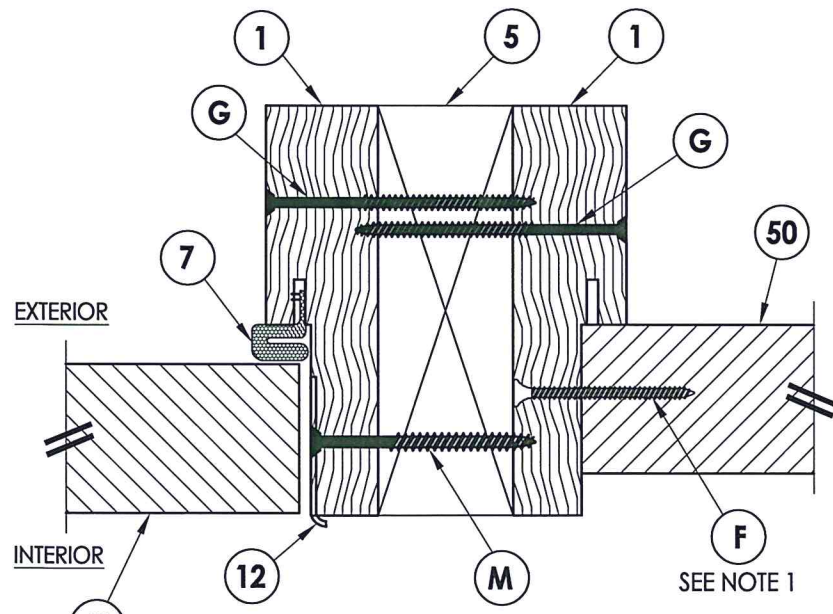
1 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)



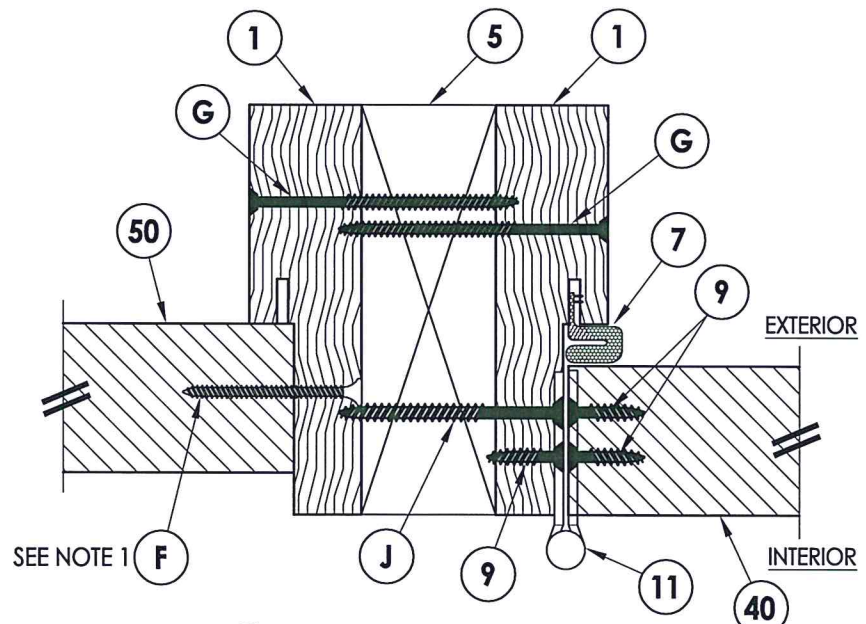
2 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)



3 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)



4 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)



5 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)

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

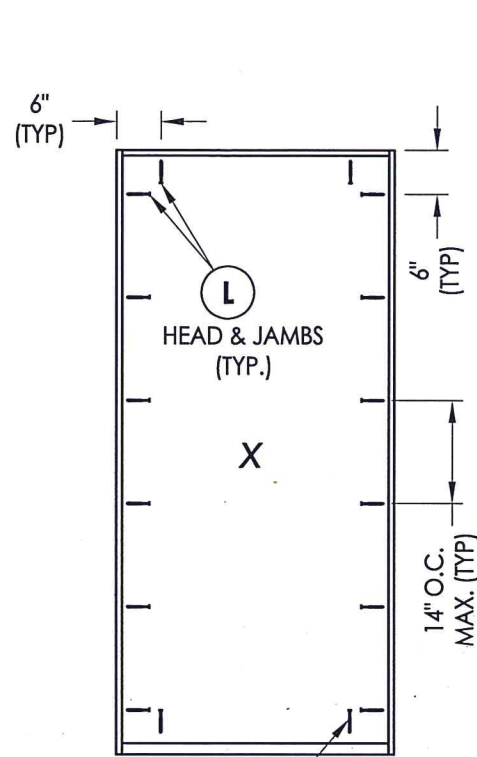


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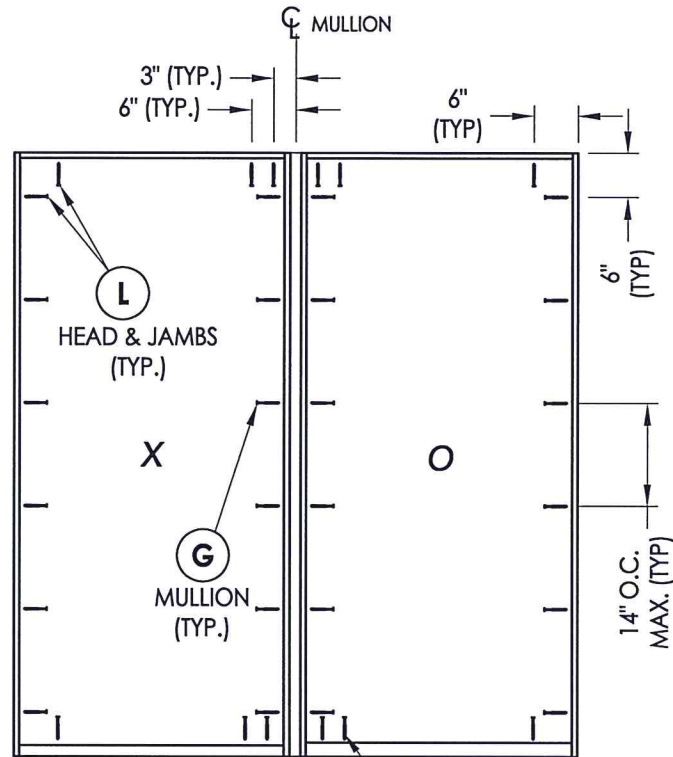
PRODUCT: TAYLOR DOOR STEEL DOOR
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	DESCRIPTION	BY
1	8/19/20	UPDATE TO 2018 IBC/IRC CODE	LFS

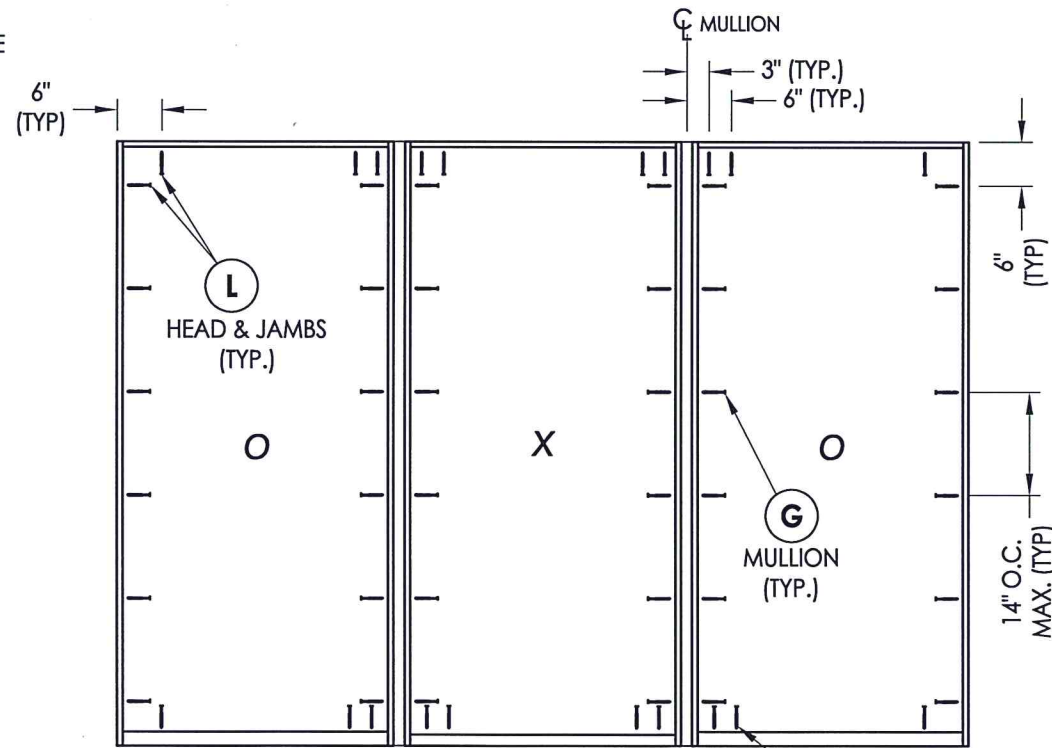
DATE: 11/3/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4499
SHEET 6 OF 8



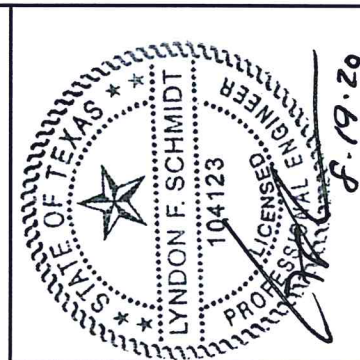
(G) WOOD
(P) CONCRETE
SILL (TYP.)



(G) WOOD
(P) CONCRETE
SILL (TYP.)



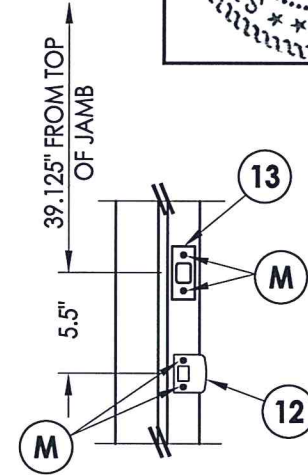
(G) WOOD
(P) CONCRETE
SILL (TYP.)



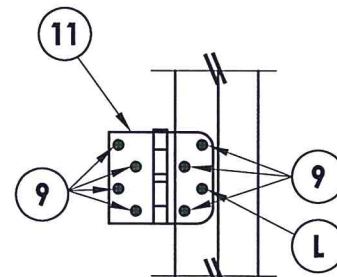
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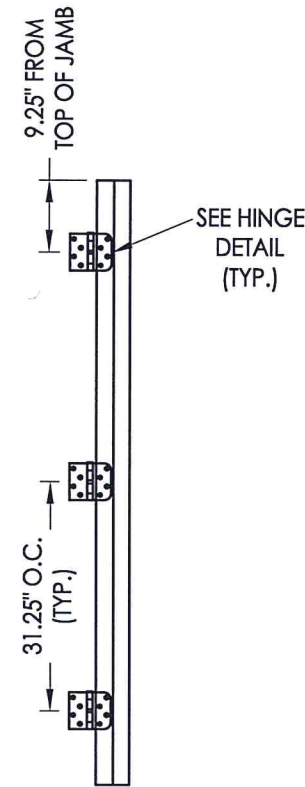
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LATCH AND DEADBOLT DETAILS



HINGE DETAIL



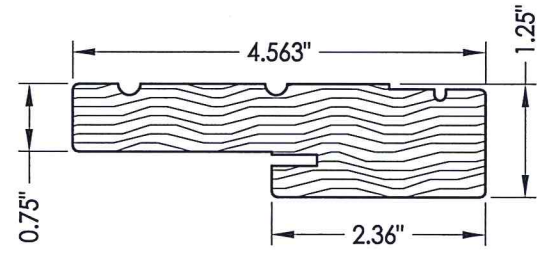
HINGE JAMB

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

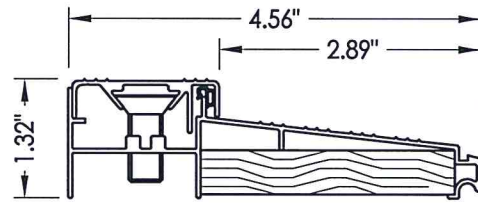
PRODUCT:	TAYLOR DOOR STEEL DOOR	
PART OR ASSEMBLY:	FRAME ANCHORING & HARDWARE DETAILS	
NO.	DATE	BY
1	8/19/20	LFS
UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		
DATE:	11/3/14	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4499	
SHEET	7	OF 8

BILL OF MATERIALS

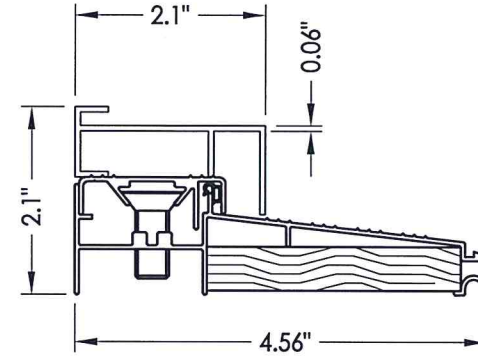
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#7 X 2" PFH DRYWALL SCREW	STEEL
G	#10 X 3" PFH WOOD SCREW (1-1/2" MIN. EMB.)	STEEL
J	#10 X 2-1/2" PFH WOOD SCREW	STEEL
K	#6 X 3" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	#8 X 2-1/2" 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	-



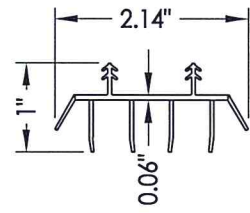
1 WOOD JAMB



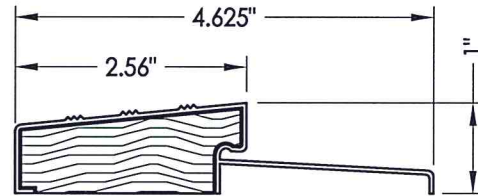
20 INSWING THRESHOLD DLP



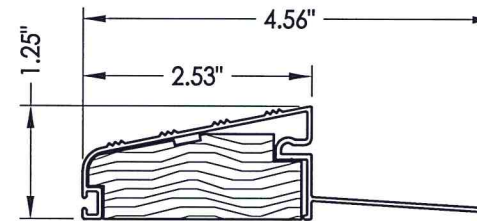
21 INSWING THRESHOLD w/ SIDELITE ADAPTER DLP



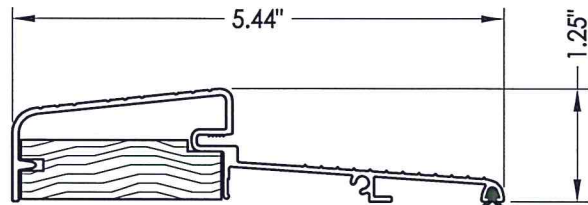
6 SWEEP



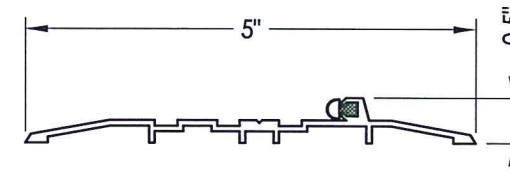
22 OUTSWING THRESHOLD DLP (QOS)



23 OUTSWING THRESHOLD DLP (QOSH)



24 OUTSWING THRESHOLD Combo



25 OUTSWING THRESHOLD DLP (OSHC)

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"	1-1/2"	4"
DeWALT ULTRACON®	1/4"	1-3/4"	1"	4"



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PRODUCT: TAYLOR DOOR STEEL DOOR
PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	DESCRIPTION	LFS	BY
1	8/19/20	UPDATE TO 2018 IBC/IRC CODE		

DATE: 11/3/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4499
SHEET 8 OF 8