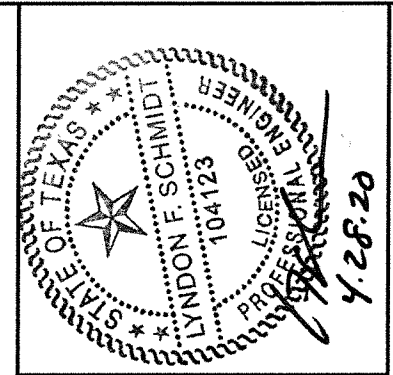
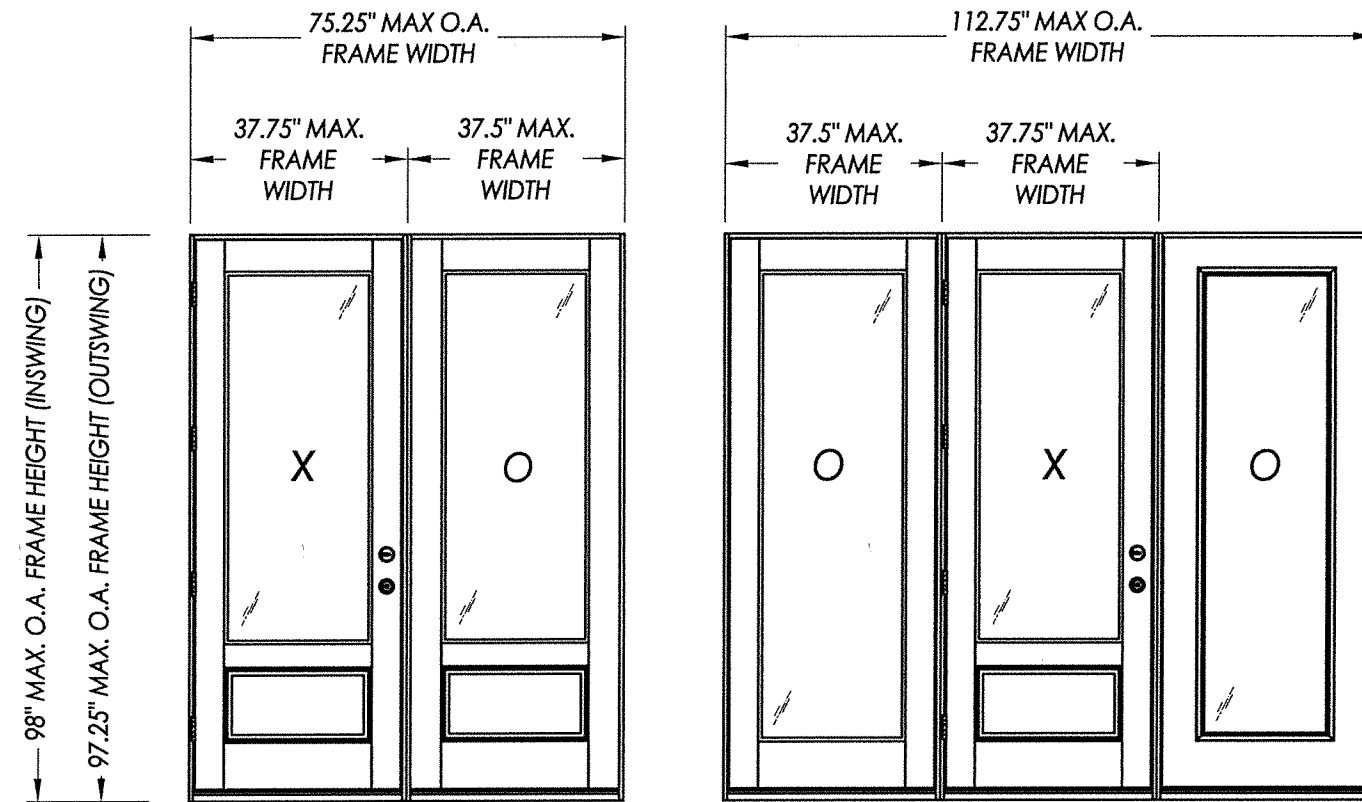


THERMA-TRU® DOORS

Fiber-Classic® & Smooth-Star®



FLUSH GLAZED FIBERGLASS DOOR IN SWING/OUT SWING "NON-IMPACT"



EVALUATED FOR USE IN THE STATE OF TEXAS

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 system is 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	Table of contents, design pressure and general notes
2	Door/Sidelite panel & glazing details
3	Sidelite panel & glazing details
4	Elevations
5	Horizontal cross sections
6	Vertical cross sections
7	Frame anchoring & hardware details
8	Bill of materials and components

CONFIGURATION	MAX FRAME DIMENSION	DESIGN PRESSURE (PSF) IN SWING		DESIGN PRESSURE (PSF) OUT SWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX/XO	75.25" X 98.0"	+30.0	-40.0	+30.0	-30.0
OXO	112.75" X 98.0"	+30.0	-40.0	+30.0	-30.0

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: THERMA-TRU
FLUSH GLAZED DOOR

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

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

DATE: 7/28/15

SCALE: N.T.S.

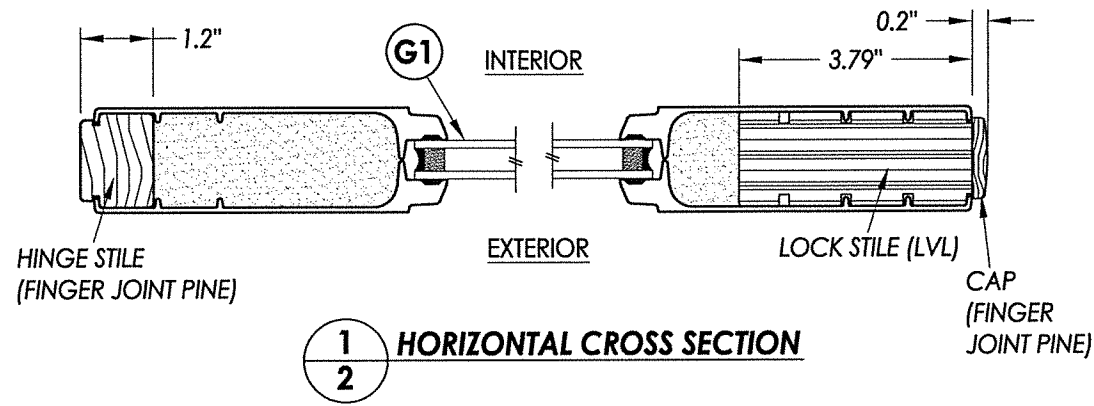
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CHK. BY: LFS

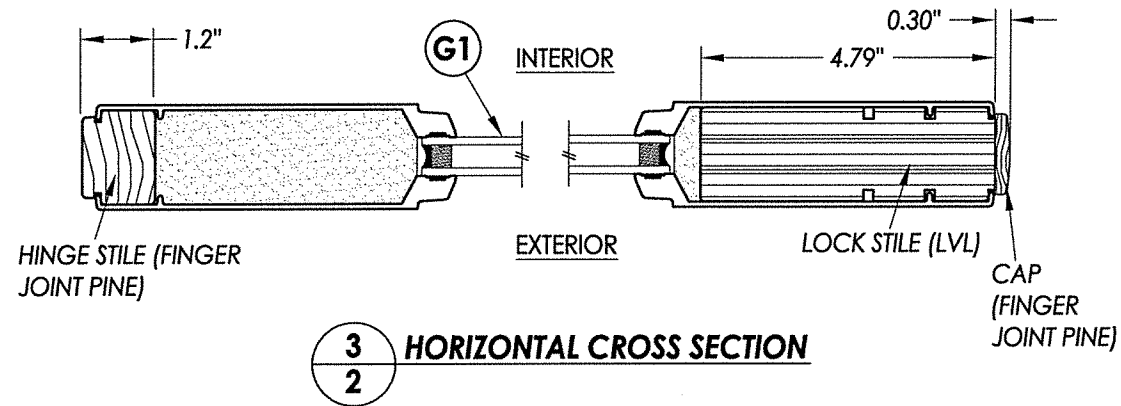
DRAWING NO.:

TX-4558

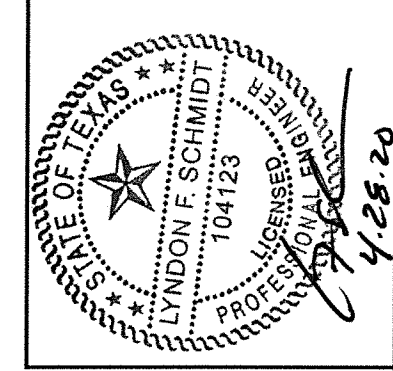
SHEET 1 OF 8



1
2 **HORIZONTAL CROSS SECTION**



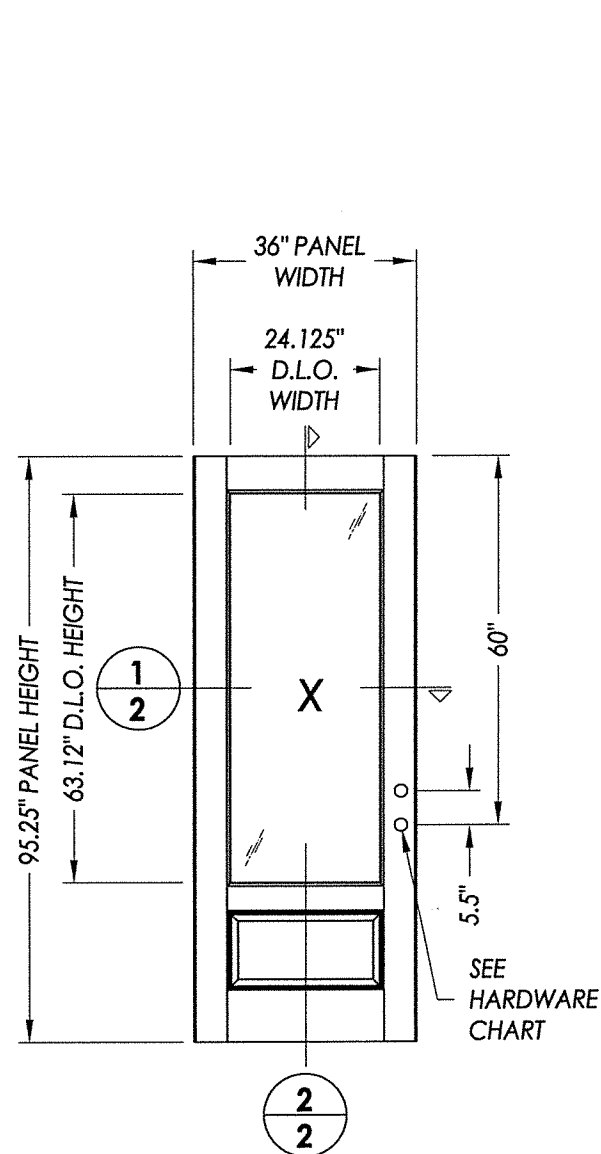
3
2 **HORIZONTAL CROSS SECTION**



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

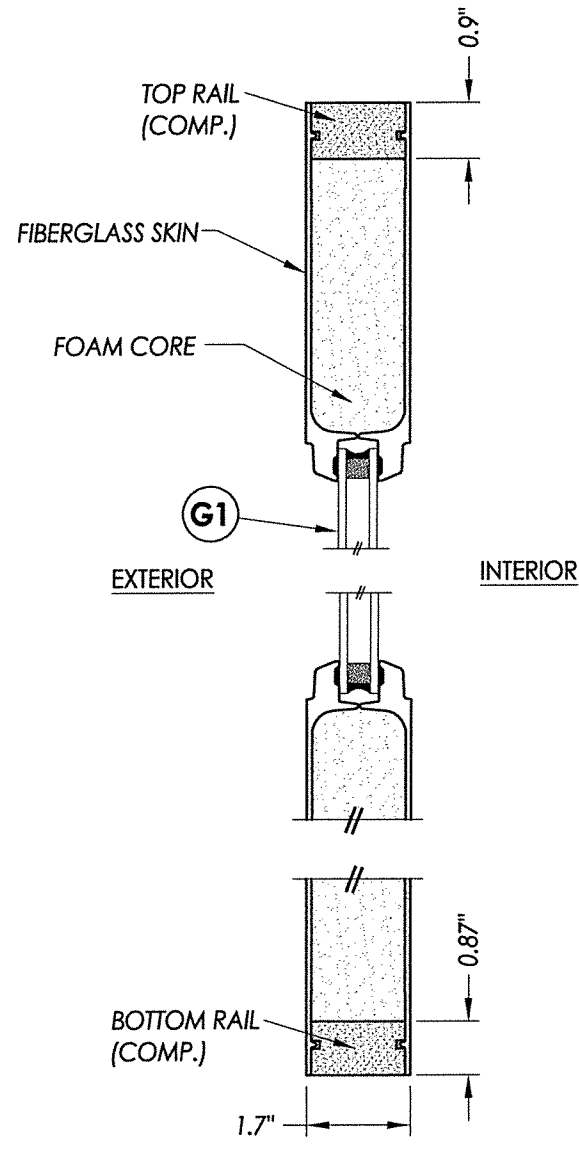
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

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

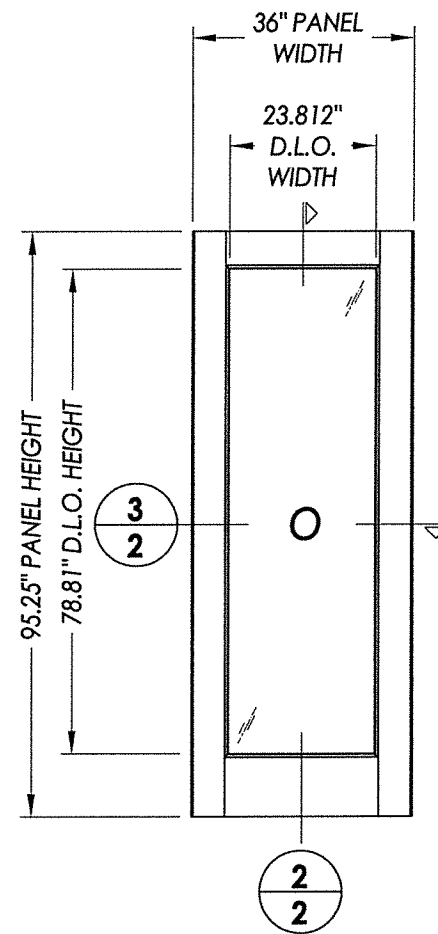


40 **3'-0\"/>**

FIBERGLASS SKIN: 0.077\"/>

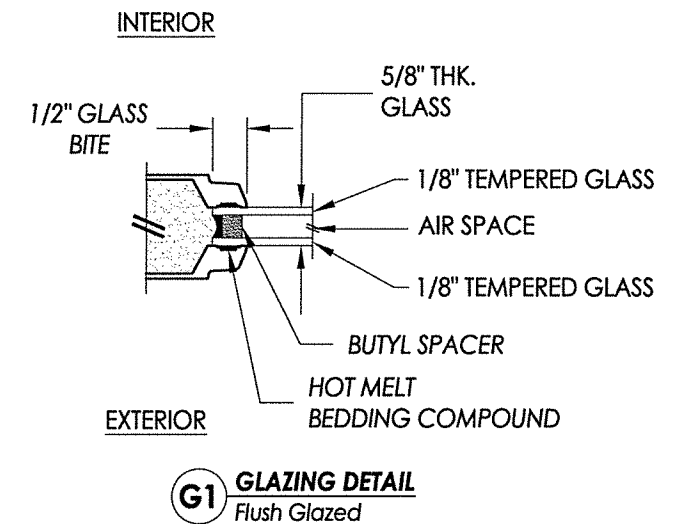


2
2 **VERTICAL CROSS SECTION**



50 **3'-0\"/>**

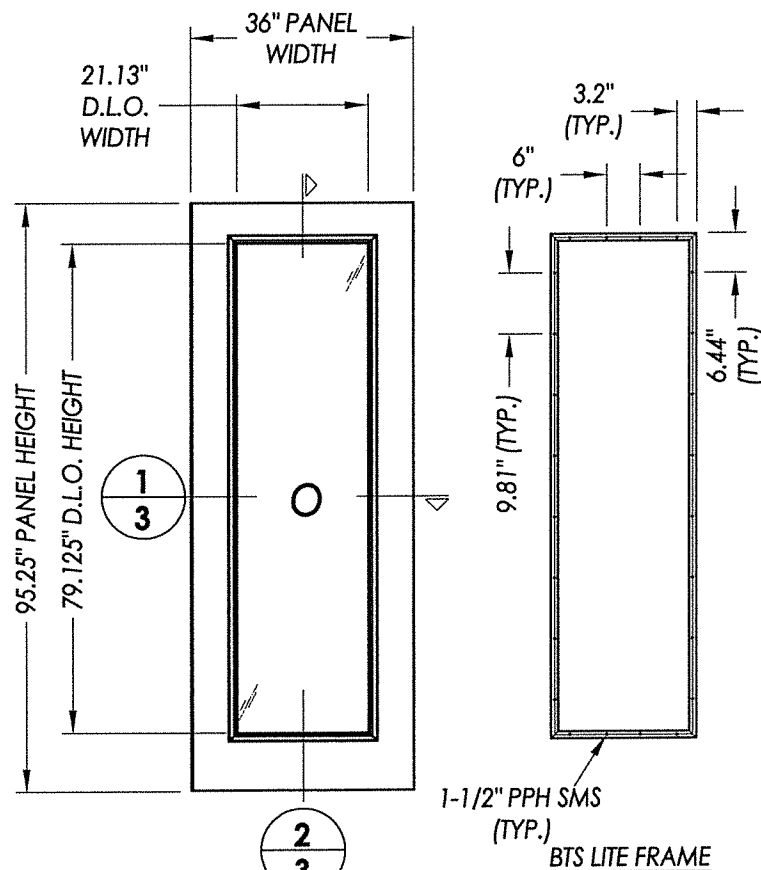
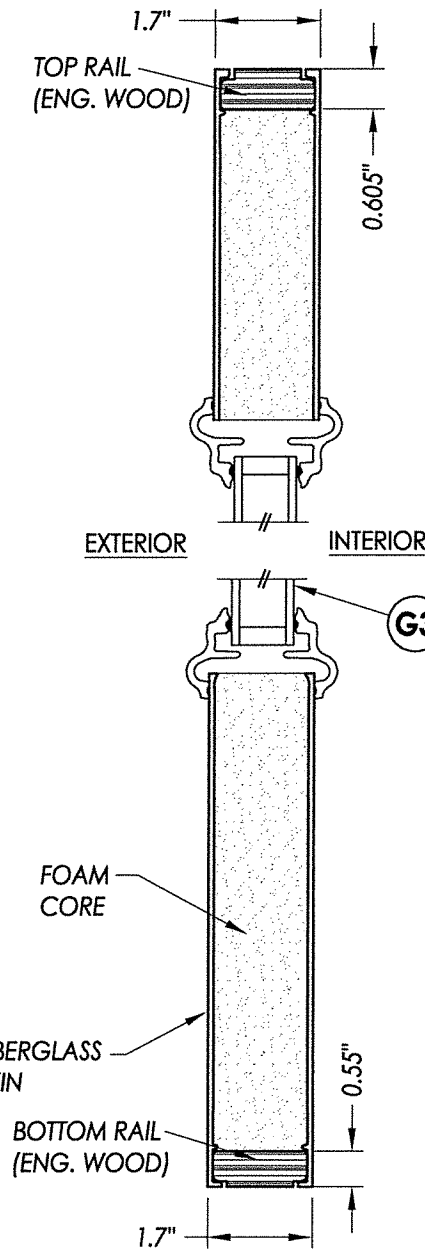
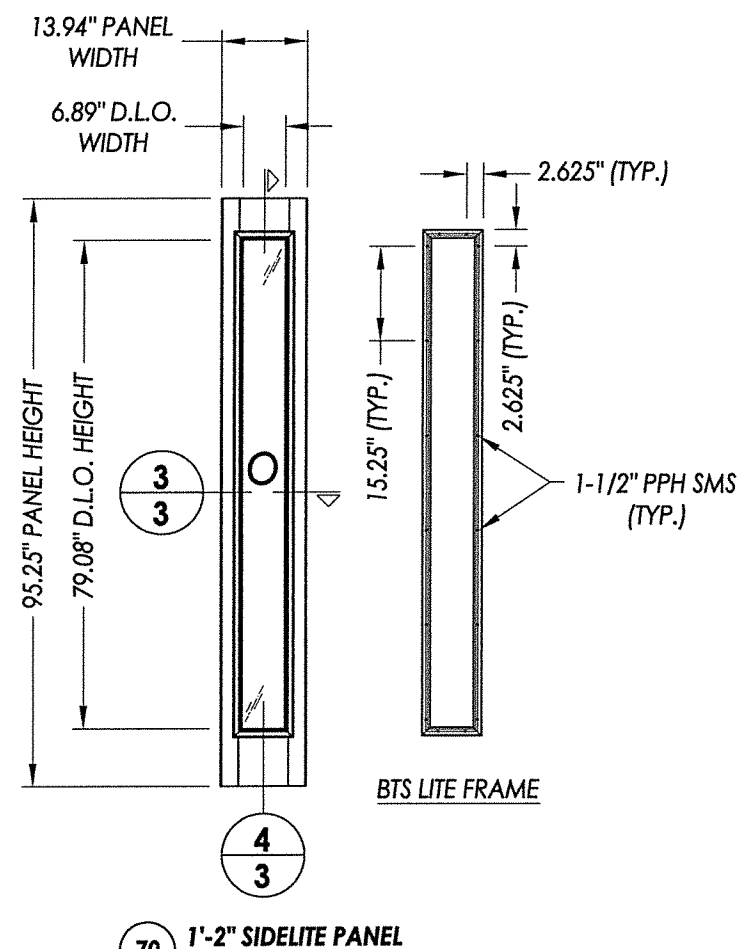
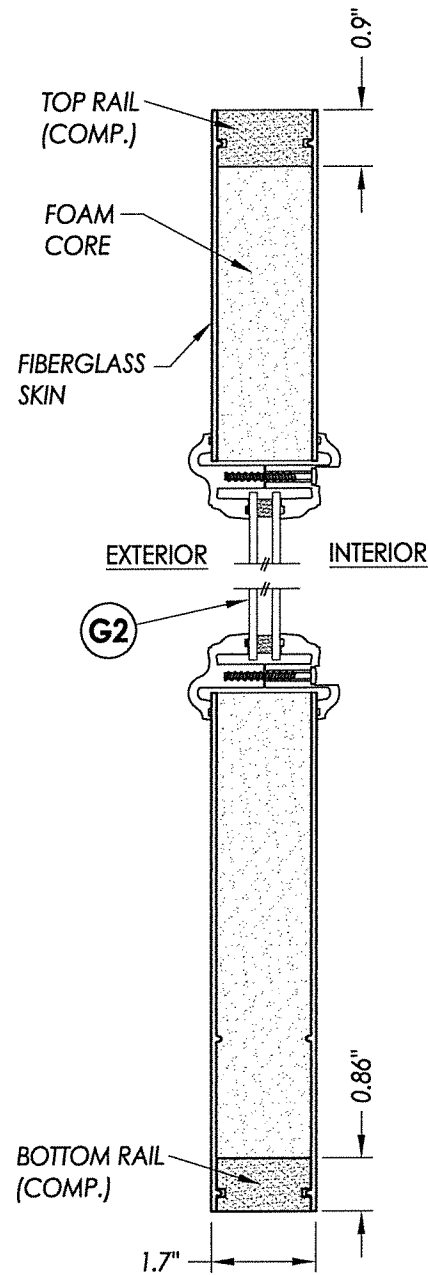
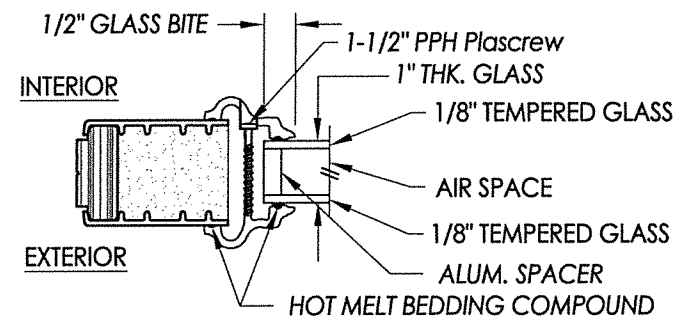
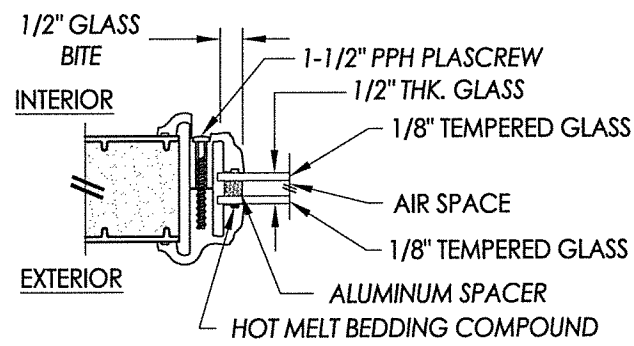
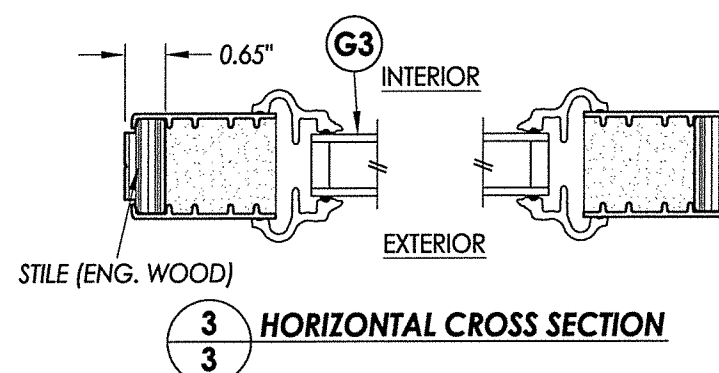
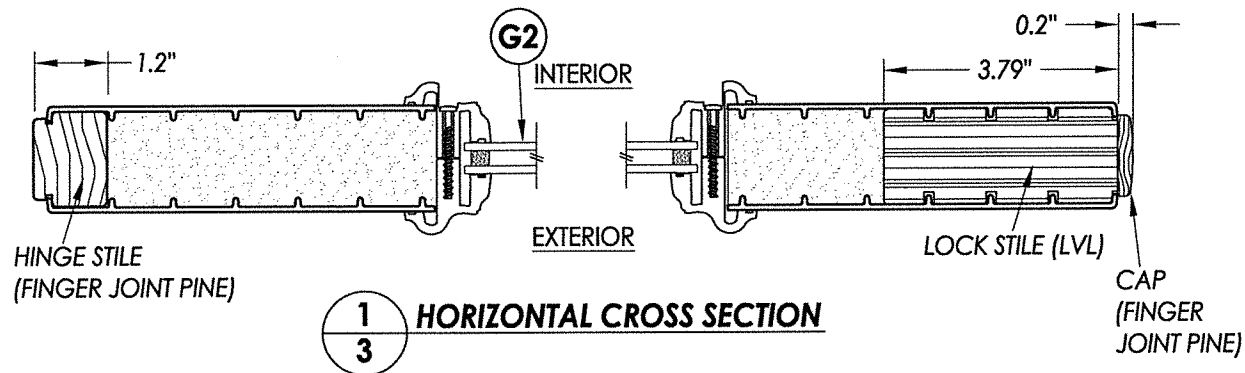
FIBERGLASS SKIN: 0.077\"/>



G1 **GLAZING DETAIL**
Flush Glazed

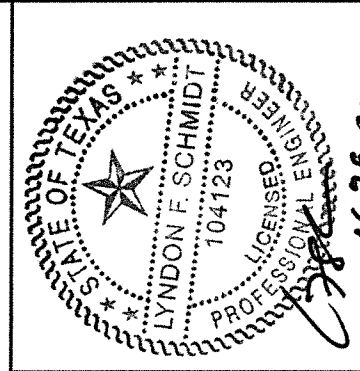
HARDWARE TABLE	
MANUFACTURER	MODEL
WESLOCK	KNOB: 600 SERIES
	DEADBOLT: 671
SCHLAGE	KNOB: F51
	DEADBOLT: B60N
PAMEX	KNOB: FTF630
	DEADBOLT: FD761

PRODUCT:	Therma-TRU FLUSH GLAZED DOOR
PART OR ASSEMBLY:	DOOR/SIDELITE PANEL & GLAZING DETAILS
NO.	1
DATE	4/28/20
UPDATE TO	2018 IBC/IRC CODE
LFS	BY
REVISIONS	
DATE:	7/28/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4558
SHEET	2 OF 8



60 3'-0" SIDELITE PANEL
 Full Lite (BTS Lite Frame)
 FIBERGLASS SKIN: 0.07" THICKNESS
 FOAM CORE: POLYURETHANE

70 1'-2" SIDELITE PANEL
 Full Lite (BTS Lite Frame)
 FIBERGLASS SKIN: 0.07" THICKNESS
 FOAM CORE: POLYURETHANE

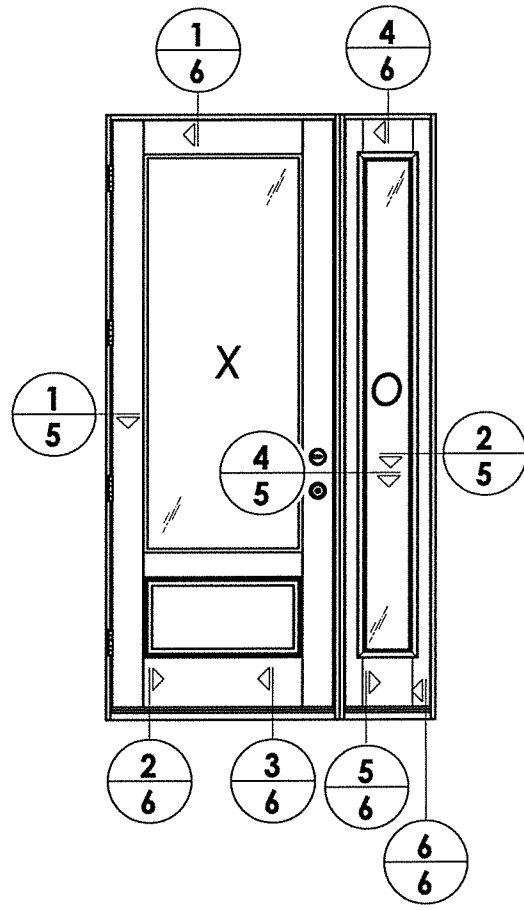


Documents Prepared By: Lyndon F. Schmidt, P.E.
 TEXAS P.E. #104123

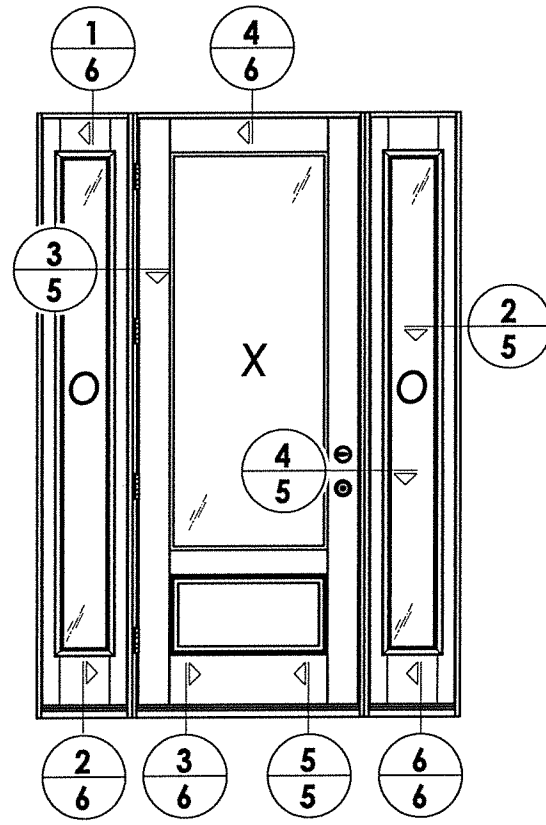
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Vainico FL 33595
 Phone No.: 813.659.9197

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

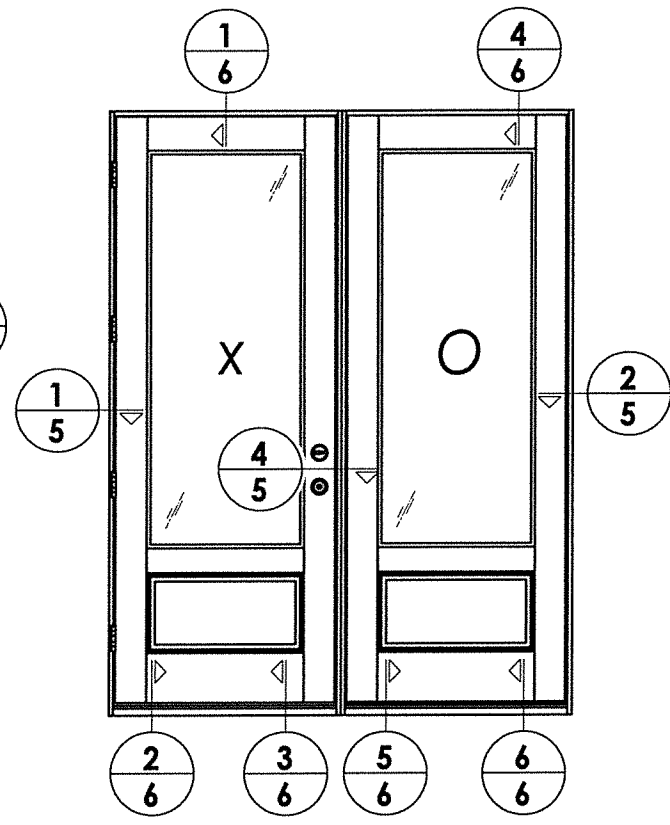
PRODUCT:		THERMA-TRU FLUSH GLAZED DOOR	
PART OR ASSEMBLY:		SIDELITE PANEL & GLAZING DETAILS	
NO.	DATE	DESCRIPTION	BY
1	4/28/20	UPDATE TO 2018 IBC/IRC CODE	LFS
REVISIONS			
DATE:		7/28/15	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		TX-4558	
SHEET		3 OF 8	



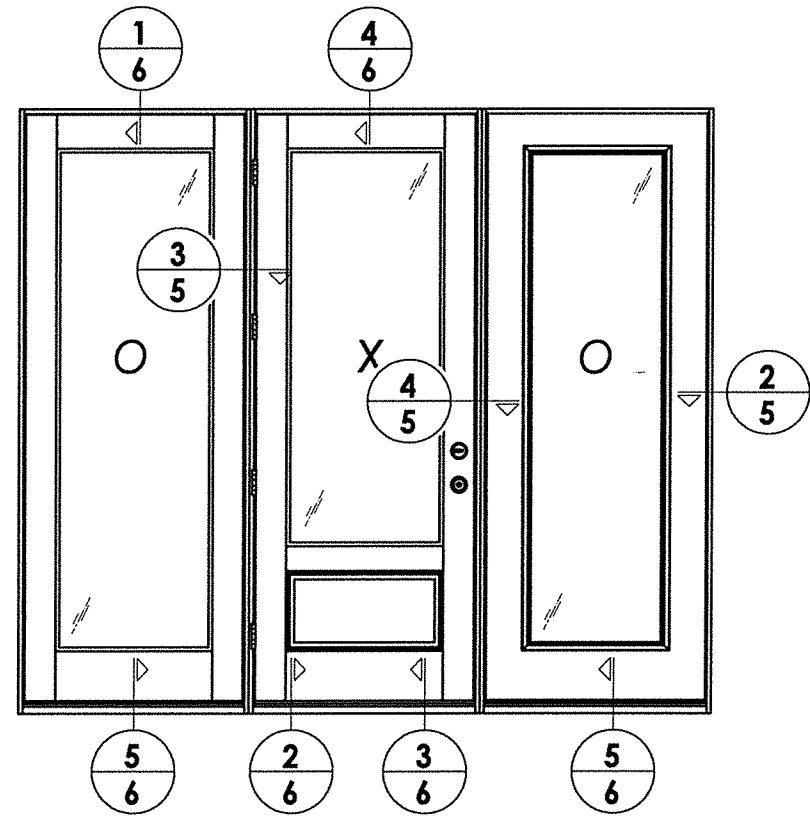
3'-0" Door Panel w/ 14" Sidelite



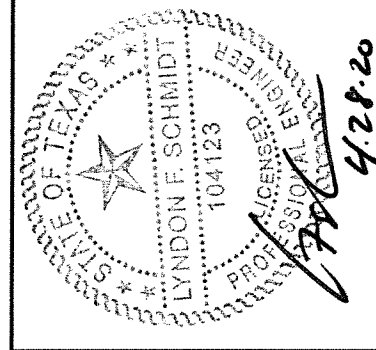
3'-0" Door Panel w/ 14" Sidelites



3'-0" Door Panel w/ 36" Sidelite



3'-0" Door Panel w/ 36" Sidelites



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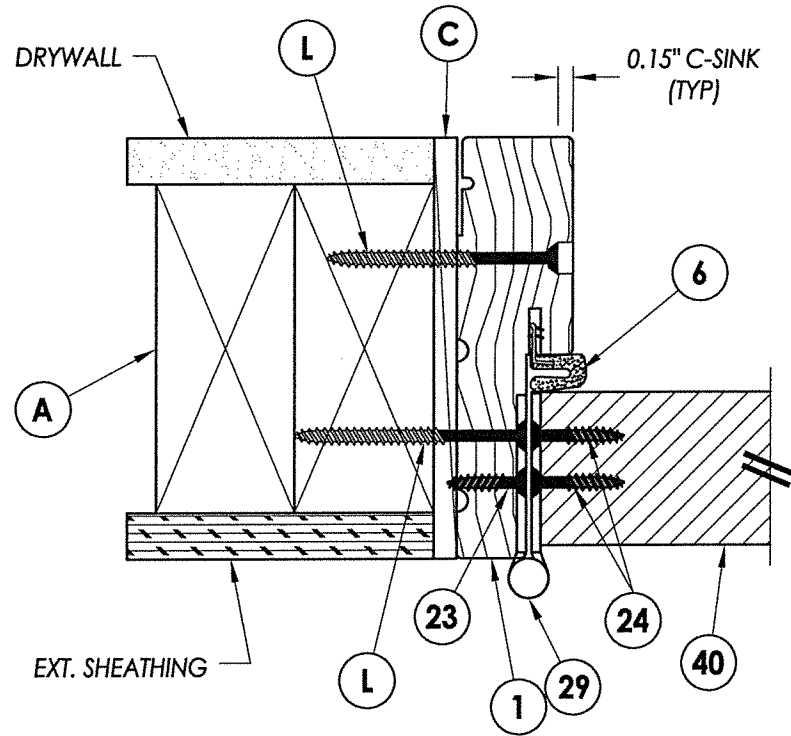
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: THERMA-TRU
FLUSH GLAZED DOOR
PART OR ASSEMBLY:
SIDELITE PANEL DETAILS &
GLAZING DETAIL

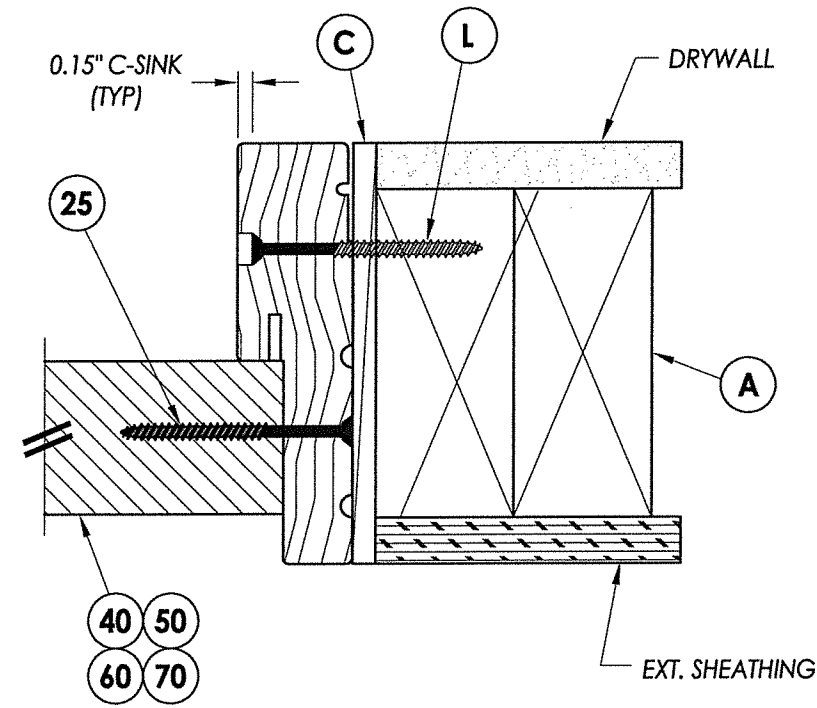
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1	4/28/20	UPDATE TO 2018 IBC/IRC CODE		

DATE: 7/28/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4558
SHEET 4 OF 8

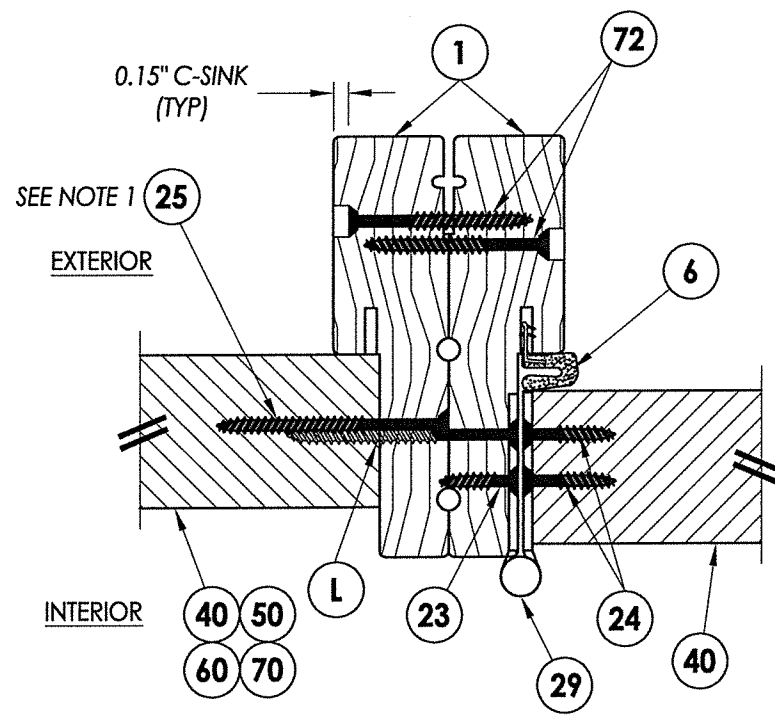
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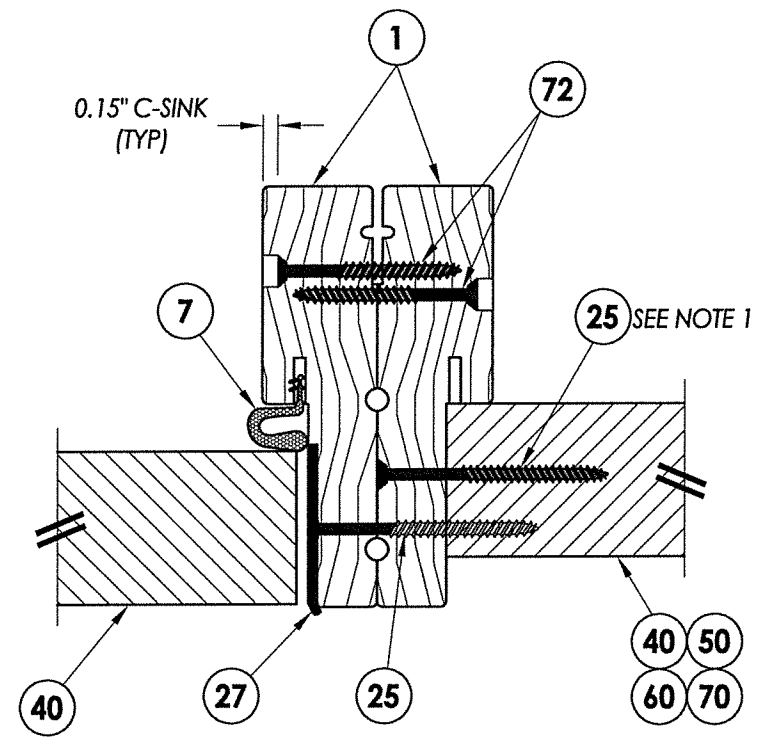
1 HORIZONTAL CROSS SECTION
5 Outswing Shown (Inswing similar)



2 HORIZONTAL CROSS SECTION
5 Outswing Shown (Inswing similar)

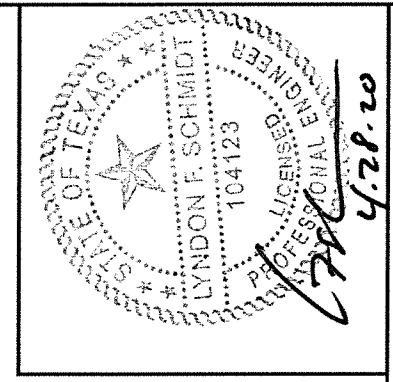


3 HORIZONTAL CROSS SECTION
5 Outswing Shown (Inswing similar)



4 HORIZONTAL CROSS SECTION
5 Outswing Shown (Inswing similar)

Note:
1. Sidelite assembly screws located 8" from each end then 2 more equally spaced (4 total).



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

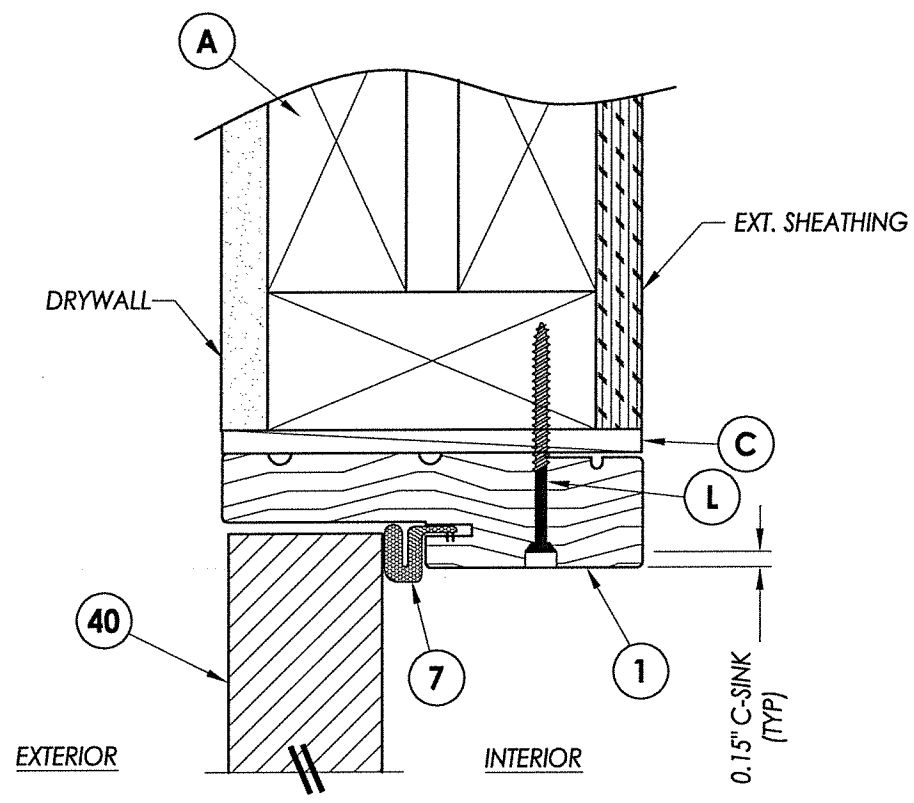
PRODUCT: THERMA-TRU
FLUSH GLAZED DOOR

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

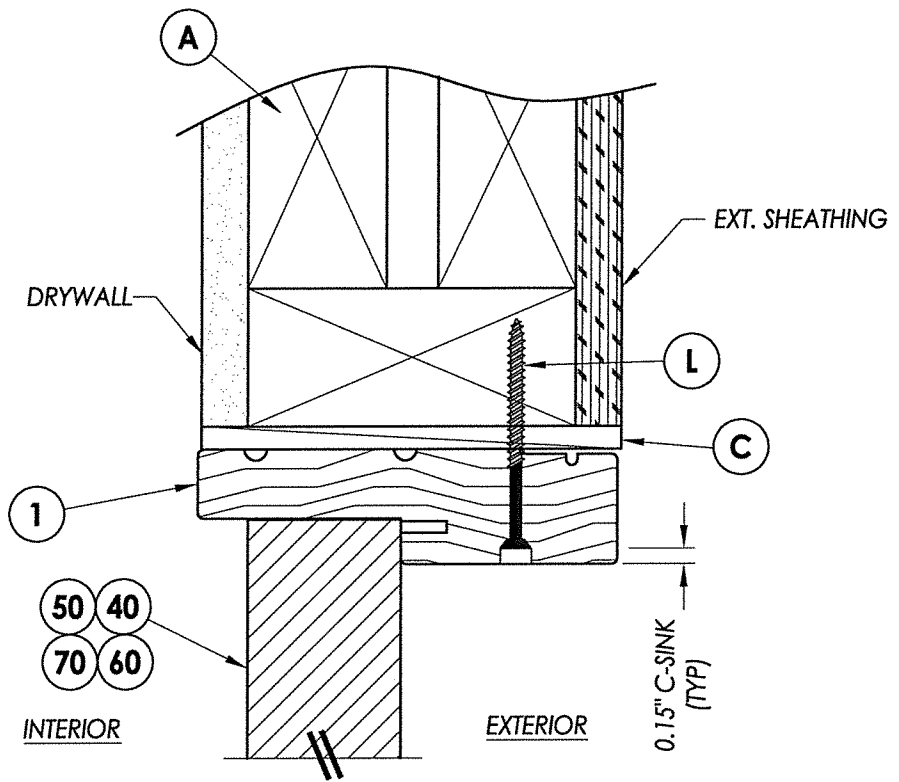
NO.	DATE	REVISIONS
1	4/28/20	UPDATE TO 2018 IBC/IRC CODE
		LFS
		BY

DATE: 7/28/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4558
SHEET 5 of 8

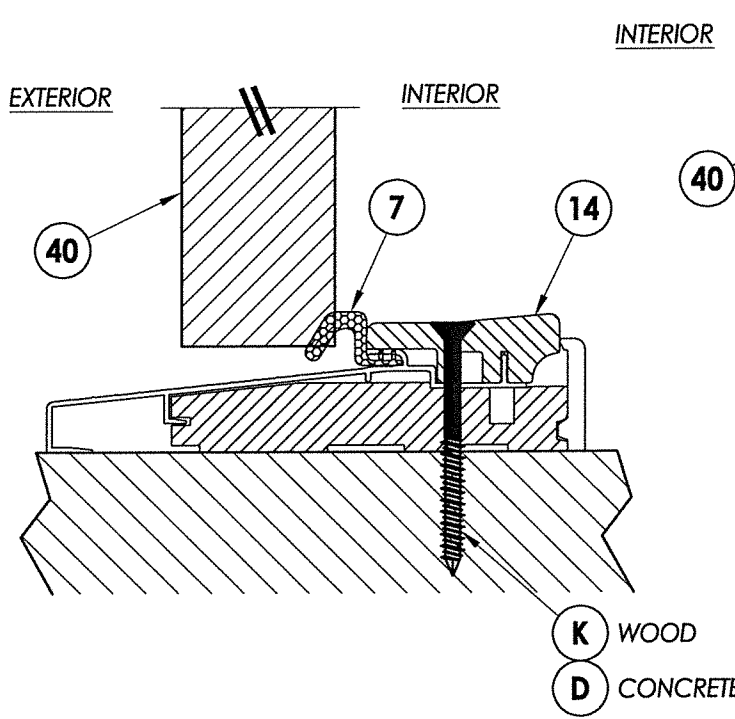
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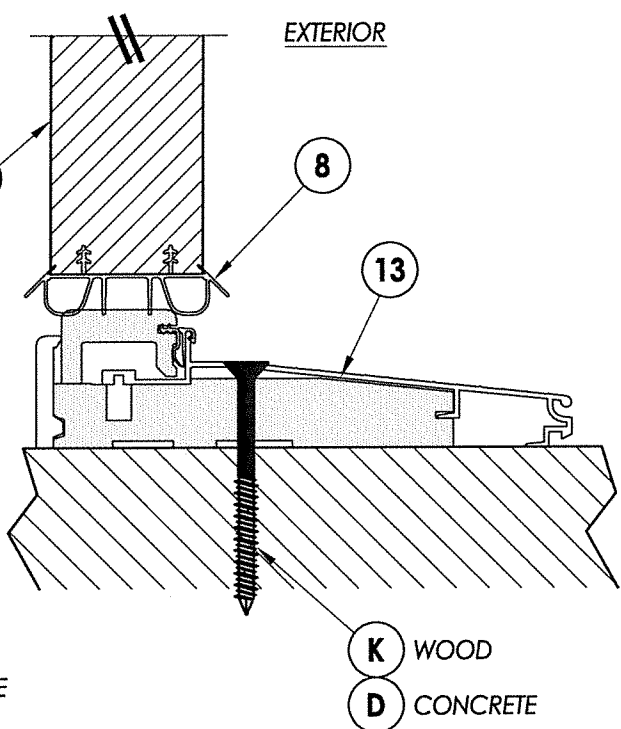
1 VERTICAL CROSS SECTION
6 Outswing Shown (Inswing similar)



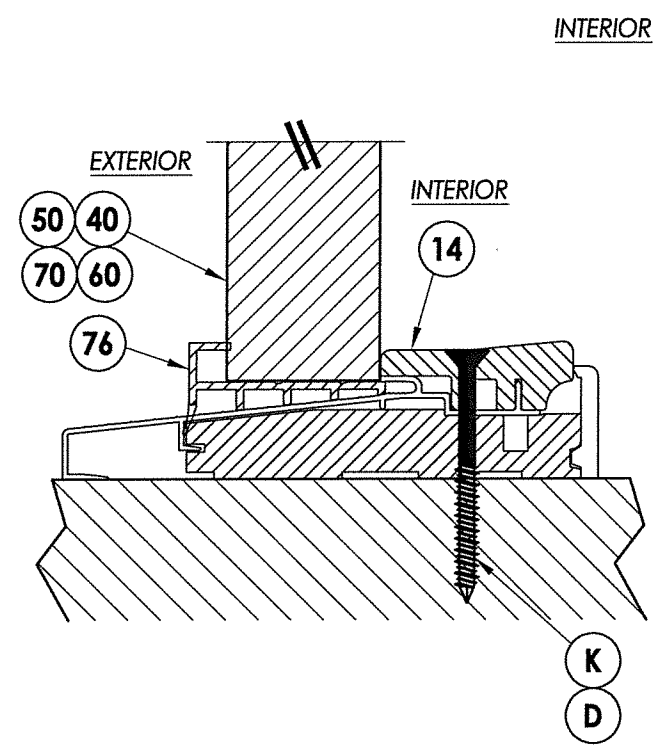
4 VERTICAL CROSS SECTION
6 Outswing Shown (Inswing similar)



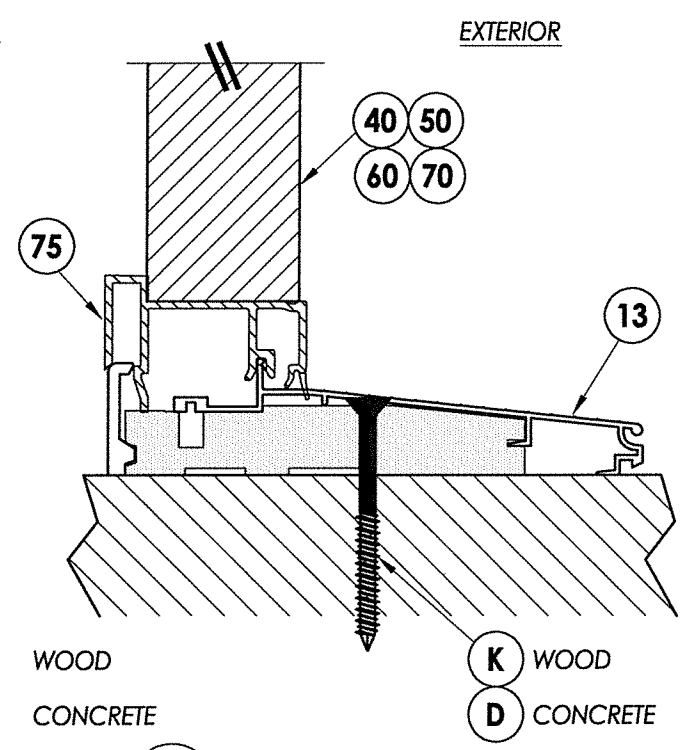
2 VERTICAL CROSS SECTION
6 Outswing Sill



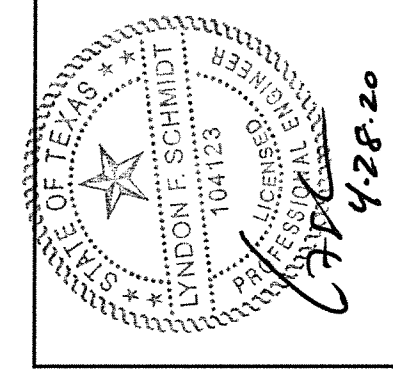
3 VERTICAL CROSS SECTION
6 Inswing Sill



5 VERTICAL CROSS SECTION
6 Outswing Sill



6 VERTICAL CROSS SECTION
6 Inswing Sill



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

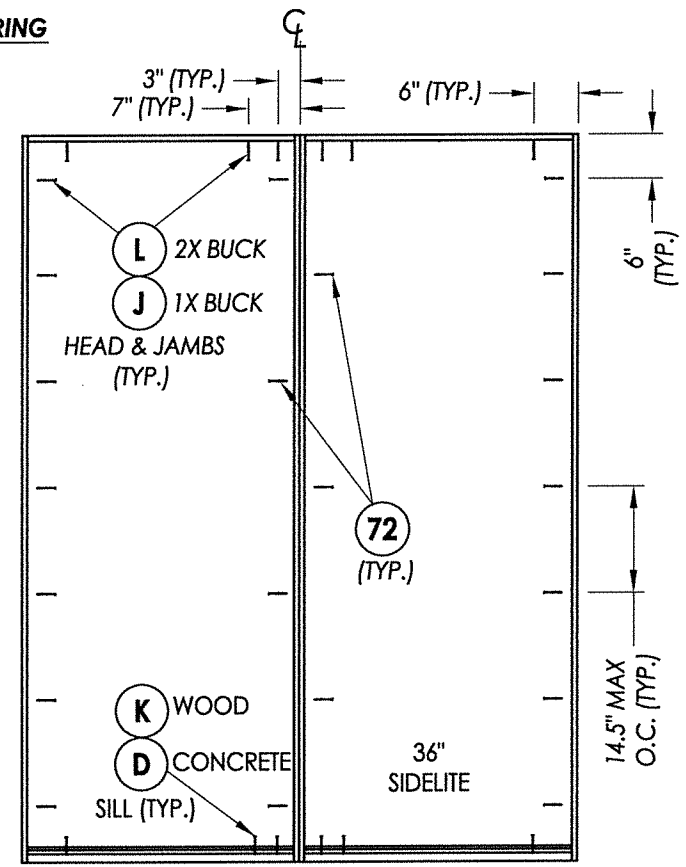
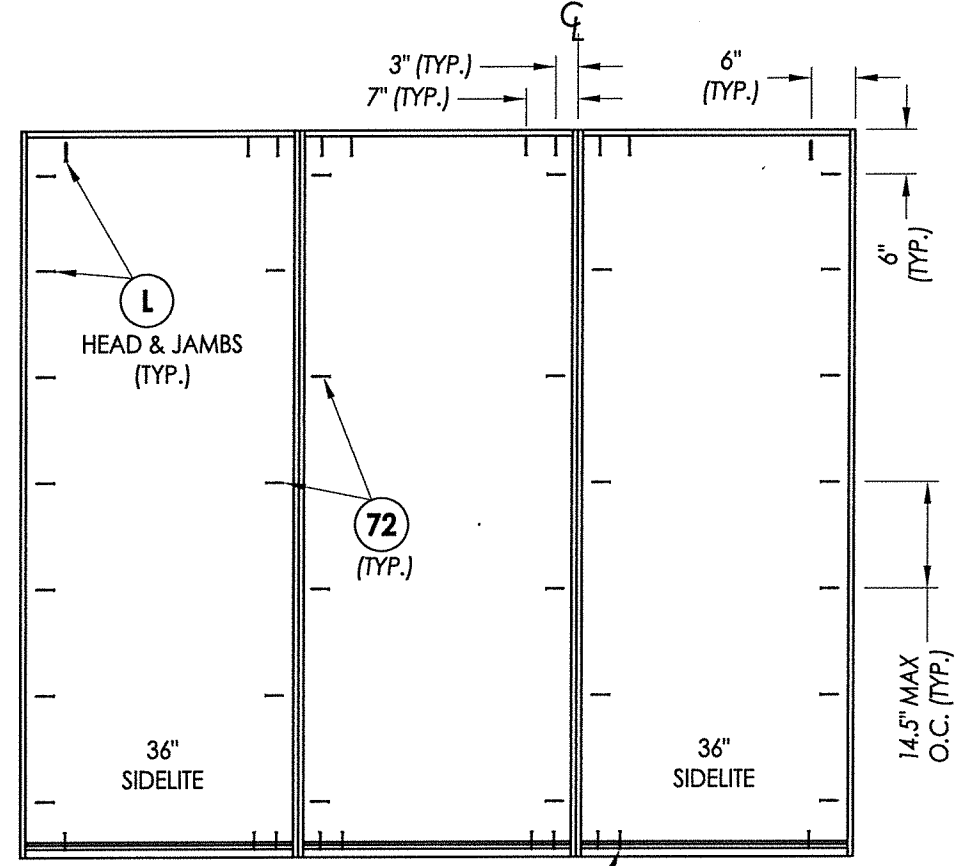
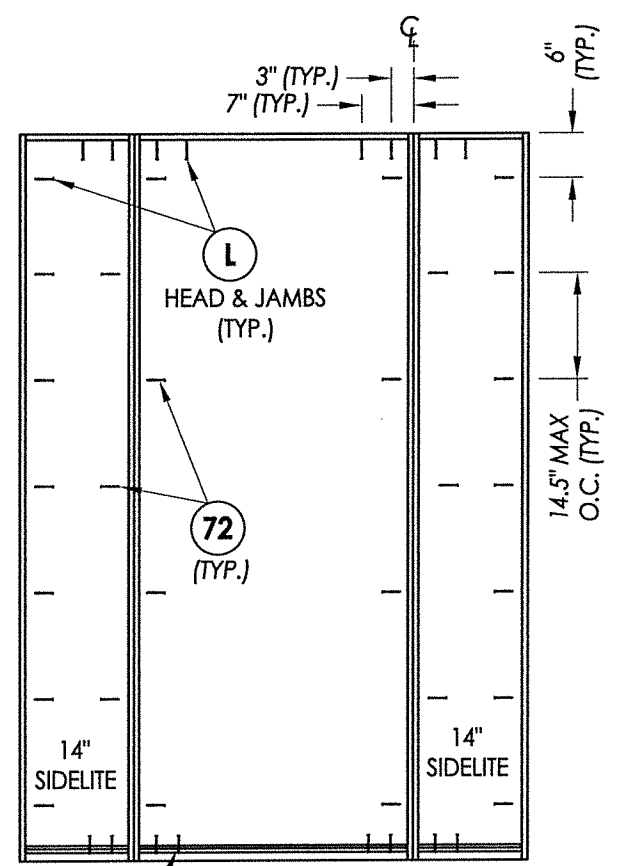
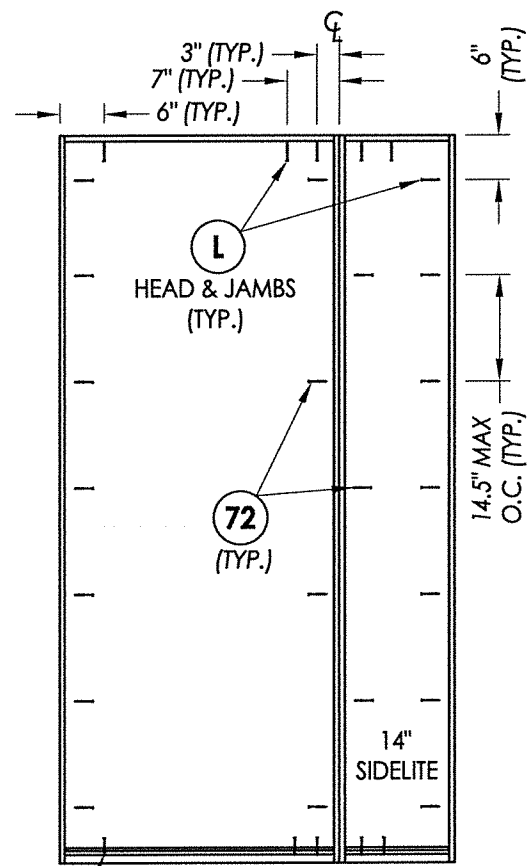
PRODUCT: THERMA-TRU
 FLUSH GLAZED DOOR

PART OR ASSEMBLY:
 VERTICAL
 CROSS SECTIONS

NO.	DATE	BY
1	4/28/20	LFS

REVISIONS

DATE: 7/28/15
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4558
 SHEET 6 OF 8



FRAME ANCHORING
XO/OX

(K) WOOD
(D) CONCRETE
SILL (TYP.)

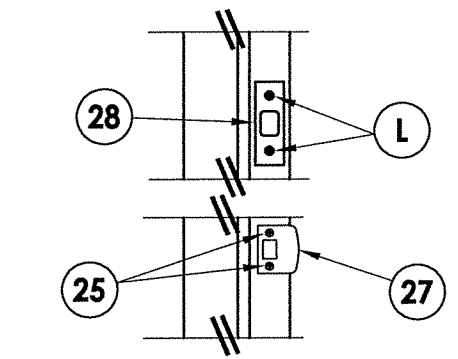
FRAME ANCHORING
OXO

(K) WOOD
(D) CONCRETE
SILL (TYP.)

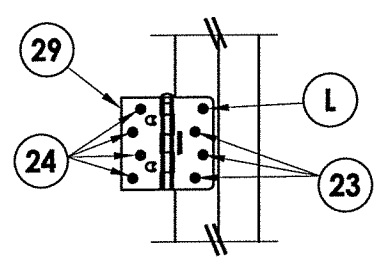
FRAME ANCHORING
OXO

(K) WOOD
(D) CONCRETE
SILL (TYP.)

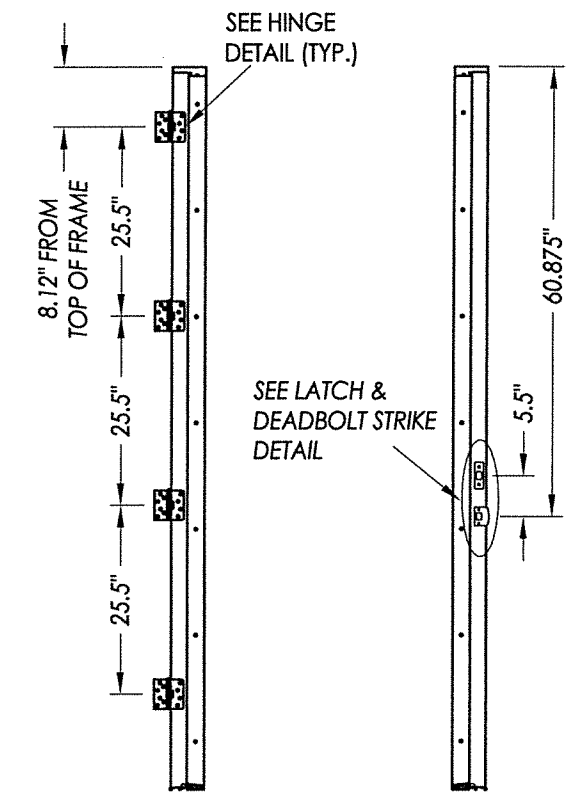
FRAME ANCHORING
XO/OX



LATCH & DEADBOLT STRIKE PLATE DETAIL



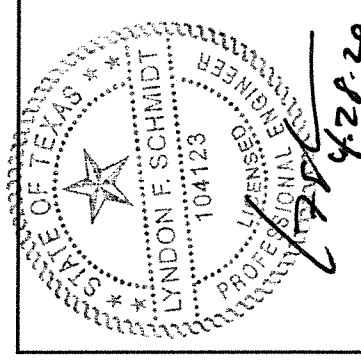
HINGE DETAIL



HINGE JAMB

STRIKE JAMB

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



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

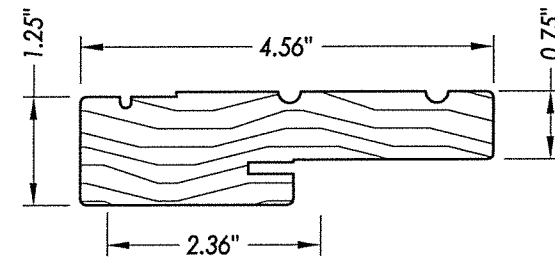
PART OR ASSEMBLY:
FRAME ANCHORING
& HARDWARE DETAILS

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

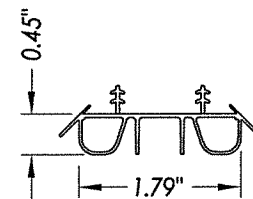
DATE: 11/3/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4558
SHEET 7 OF 8

BILL OF MATERIALS

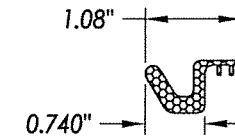
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" PFH ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
K	#10 PFH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
1	JAMB - FINGER JOINTED PINE	WOOD
6	WEATHERSTRIP (Medium Reach by Therma-Tru)	FOAM
7	WEATHERSTRIP (Long Reach by Therma-Tru)	FOAM
8	SWEEP	VINYL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
23	#10 x 3/4" PFH WOOD SCREW	STEEL
24	#10 x 1" PFH WOOD SCREW	STEEL
25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
40	3'-0" DOOR/SIDELITE PANEL - 3/4 LITE (FLUSH GLAZED)	-
50	3'-0" SIDELITE PANEL - FULL LITE (FLUSH GLAZED)	-
60	3'-0" SIDELITE PANEL - FULL LITE (BTS LITE FRAME)	-
70	1'-2" SIDELITE PANEL - FULL LITE (BTS LITE FRAME)	-
72	#10 X 2" PFH WOOD SCREW	STEEL
75	SIDELITE SPACER (INSWING)	PVC
76	SIDELITE SPACER (OUTSWING)	PVC



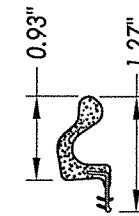
1 WOOD JAMB



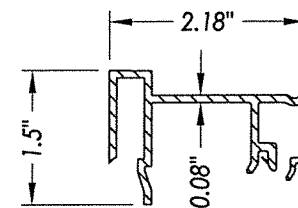
8 SWEEP



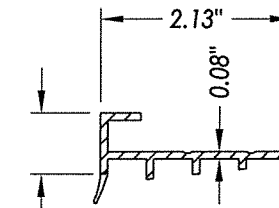
6 WEATHERSTRIP
Medium Reach



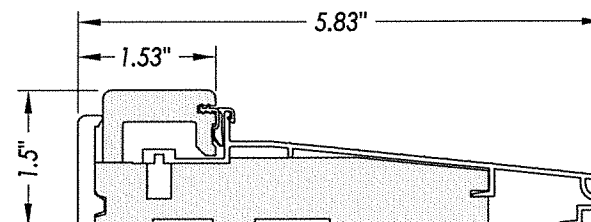
7 WEATHERSTRIP
Long Reach



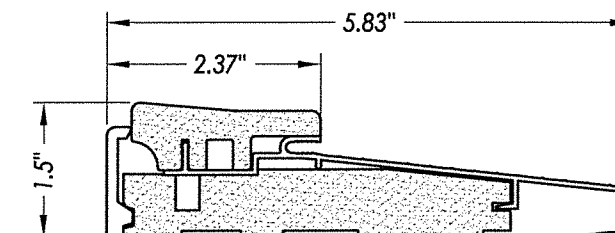
75 SIDELITE SPACER
Inswing



76 SIDELITE SPACER
Outswing



13 INSWING THRESHOLD



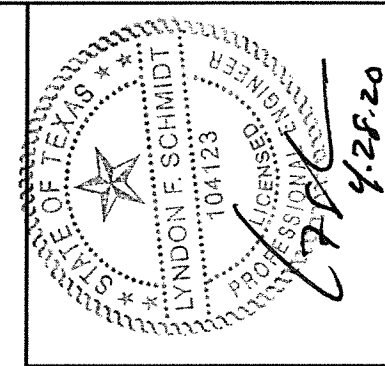
14 OUTSWING THRESHOLD

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"

MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90



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

PRODUCT:	FLUSH GLAZED DOOR
PART OR ASSEMBLY:	BILL OF MATERIALS & COMPONENTS

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

DATE:	7/28/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4558
SHEET	8 OF 8