



123 NE Beacon Dr.  
Grants Pass, OR 97526

# "Impact-Rated Door" WOOD GLAZED SINGLE OR DOUBLE DOOR IN SWING / OUT SWING

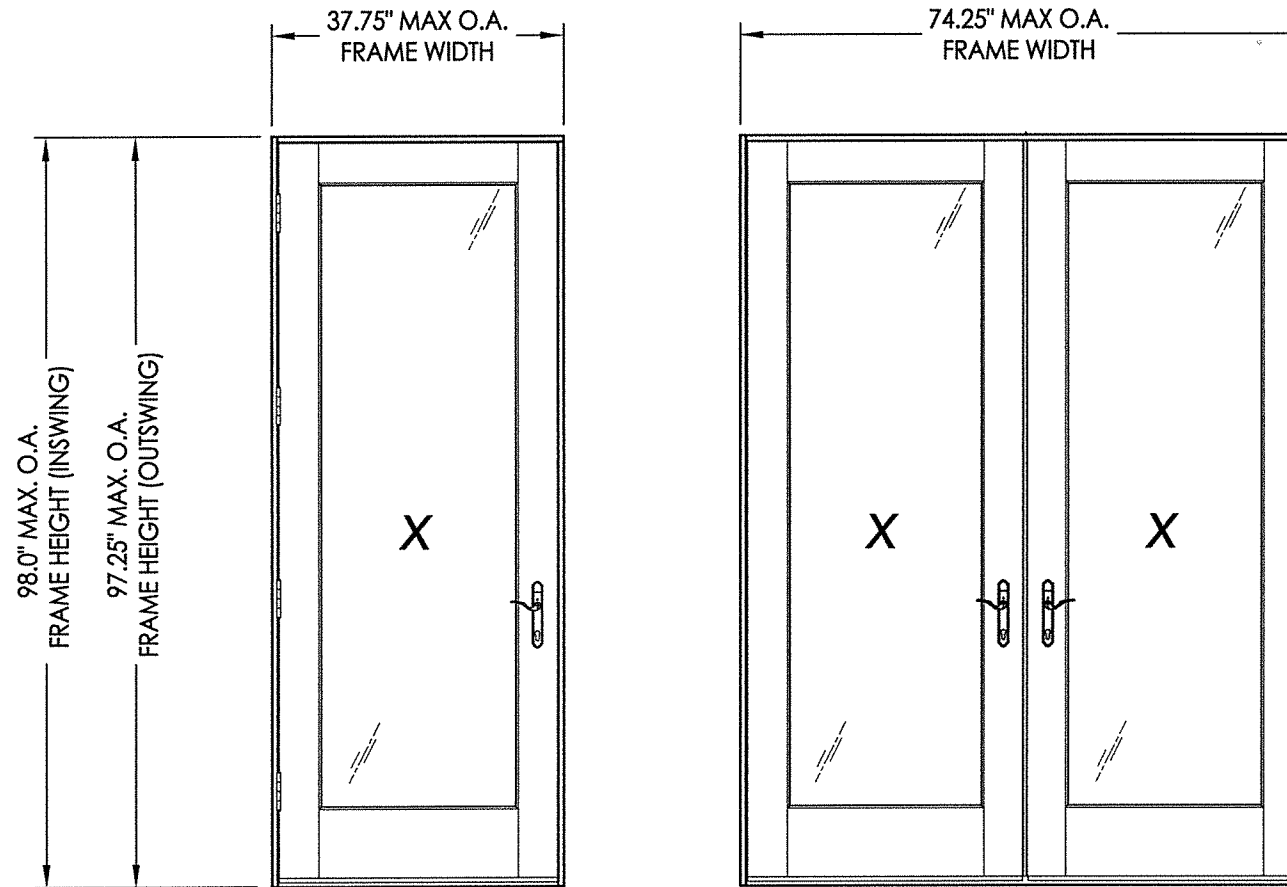
### EVALUATED FOR USE IN THE STATE OF TEXAS

The Wood Door system 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:

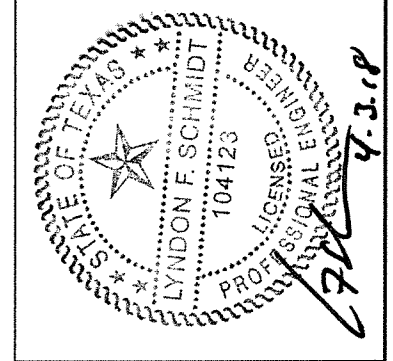
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. This product has been tested and evaluated as a large missile impact protective system for installation in the Seaward, Inland I and Inland II areas. The door & sidelites meet 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.

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SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Elevations
4	Horizontal & Vertical Cross Sections
5	Vertical Cross Sections
6	Frame Anchoring
7	Hardware Details
8	Bill of Materials & Components



CONFIGURATION	DESIGN PRESSURE (PSF) IN SWING		DESIGN PRESSURE (PSF) OUT SWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X, XX	+60.0	-60.0	+60.0	-60.0



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

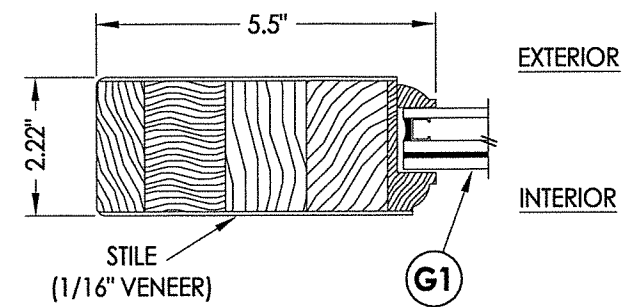
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 250 Valrico FL 33595  
Phone No.: 813.659.9197  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ROGUE VALLEY WOOD DOOR  
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

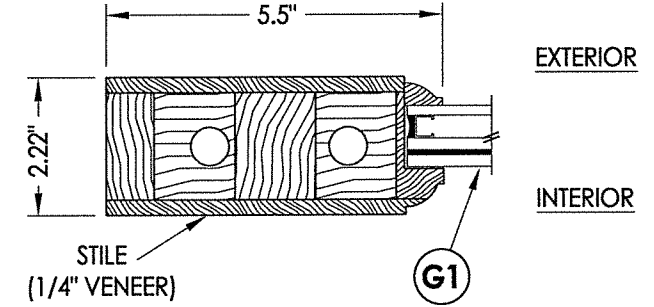
NO.	DATE	BY	REVISIONS

DATE: 3/29/18  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4714  
SHEET 1 OF 8

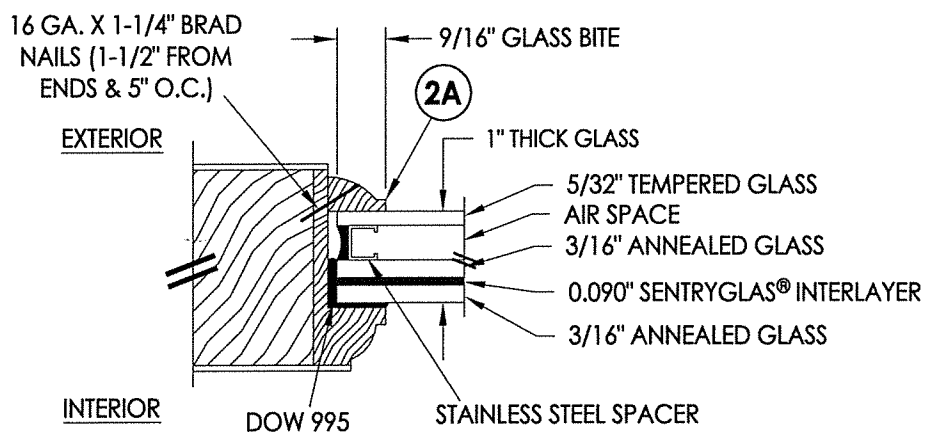
R:\Clients\Rogue Valley Doors PERMANENT\B - Texas Dept of Ins\TDI - DR-XXX (Sub ID 6970)\C - Drawings\TX-4714-15.dwg, 2.1



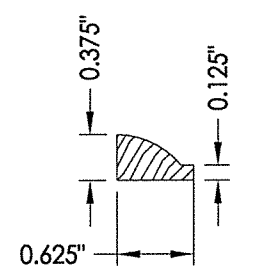
**1** HORIZONTAL CROSS SECTION  
**2**



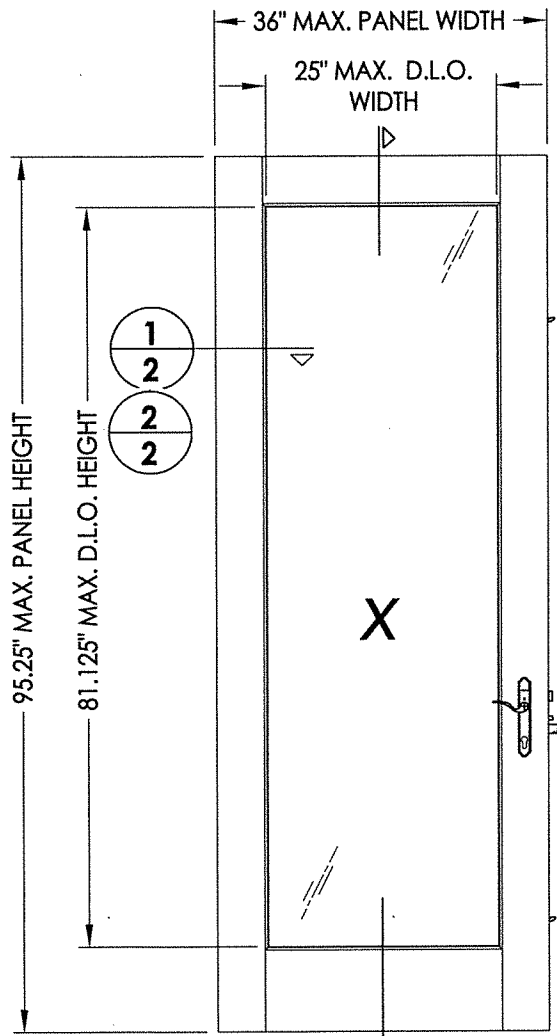
**2** HORIZONTAL CROSS SECTION  
**2**



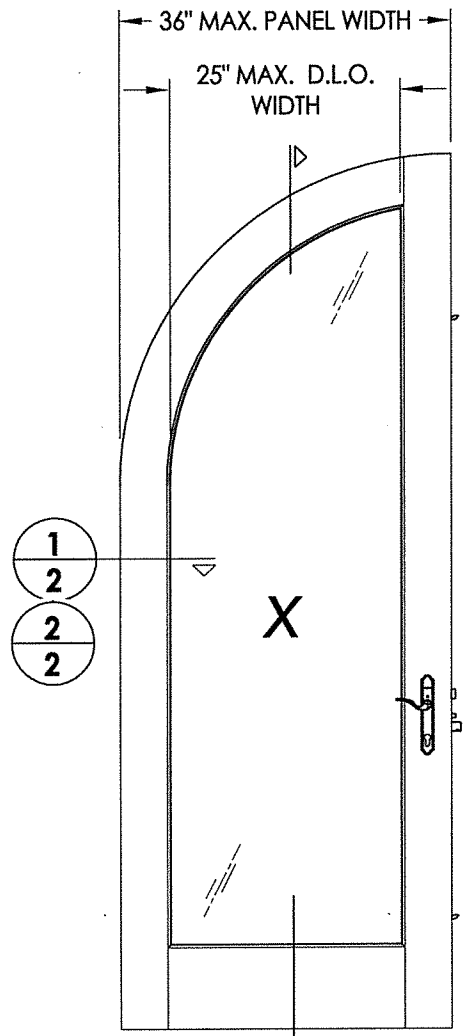
**G1** GLAZING DETAIL



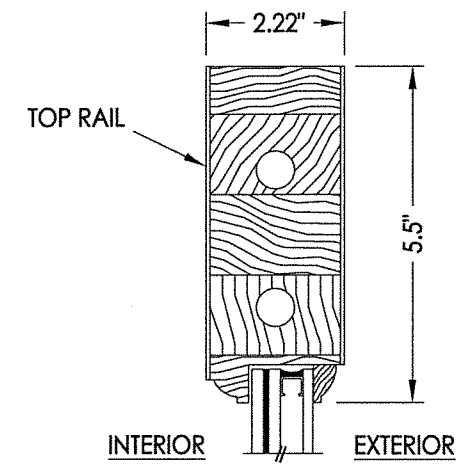
**2A** GLAZING BEAD



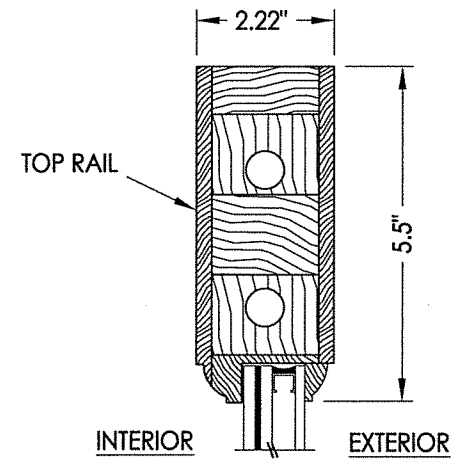
**40** WOOD DOOR PANEL  
Rogue Valley



**41** WOOD DOOR PANEL  
Rogue Valley

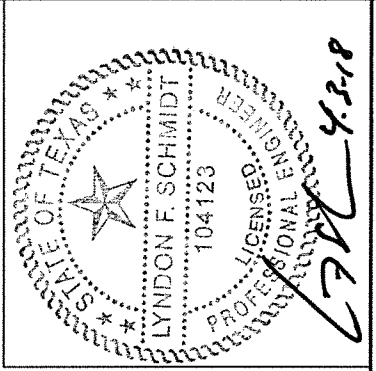


**3** VERTICAL CROSS SECTION  
**2**



**4** VERTICAL CROSS SECTION  
**2**

BIRCH DOWELS:  
5/8" Ø X 5" @  
2-1/4" O.C. (TYP.)



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Phone No.: 813.659.9197

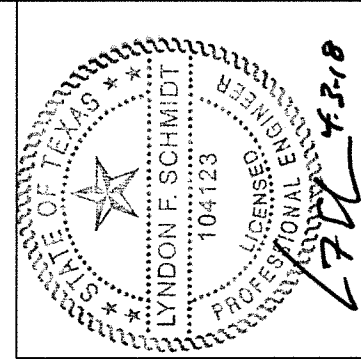
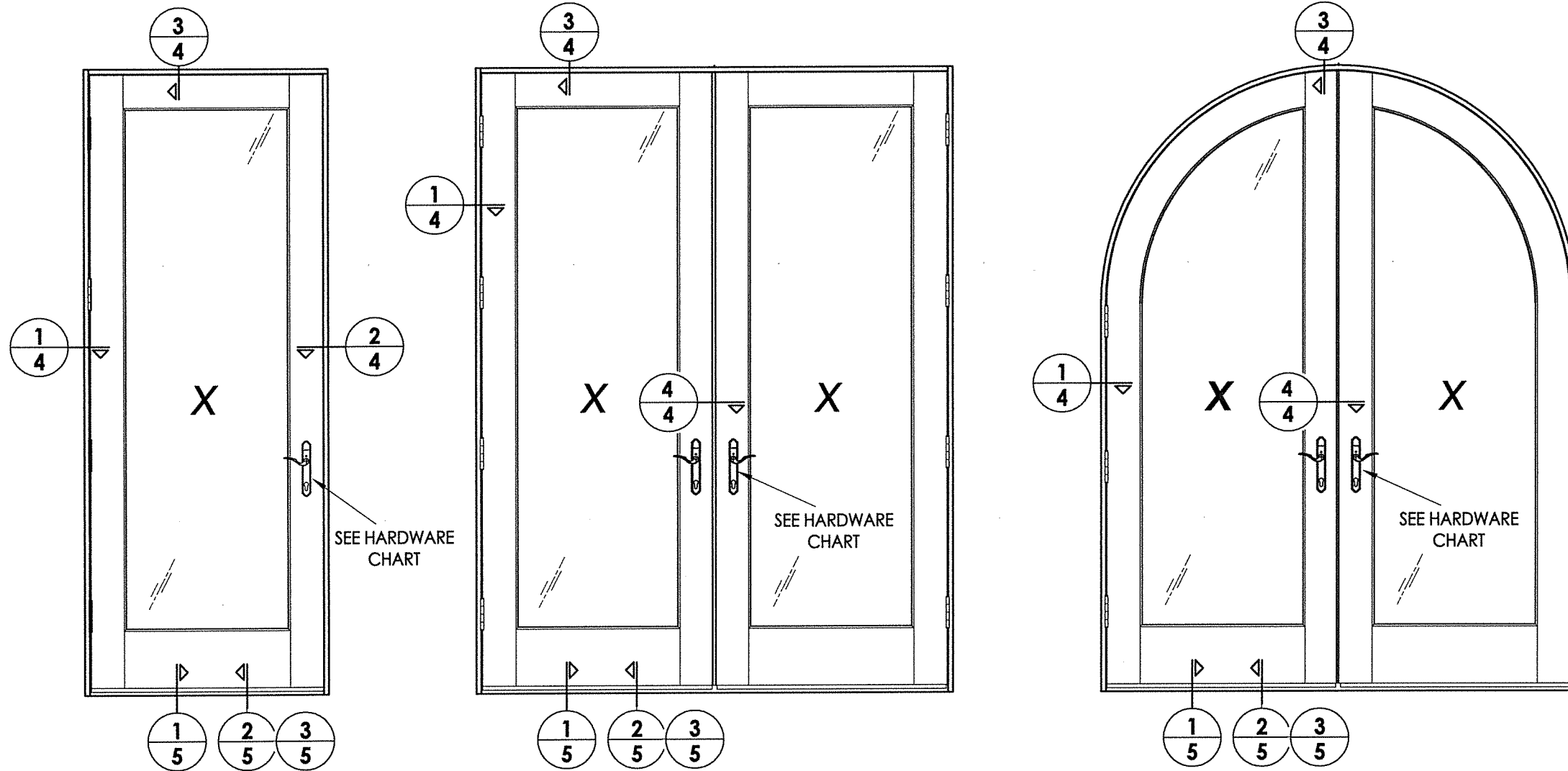
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	ROGUE VALLEY WOOD DOOR
PART OR ASSEMBLY:	DOOR PANEL DETAILS

NO.	DATE	BY

DATE:	3/27/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4714
SHEET	2 OF 8

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

PRODUCT: ROGUE VALLEY WOOD DOOR

PART OR ASSEMBLY: ELEVATIONS

NO.	DATE	BY	REVISIONS

DATE: 3/29/18

SCALE: N.T.S.

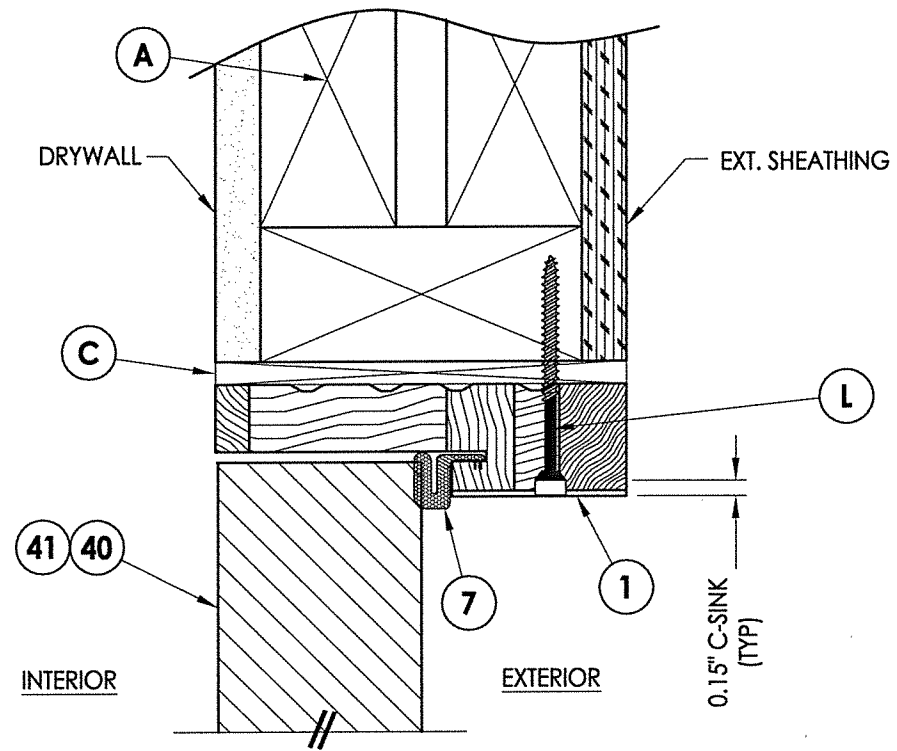
DWG. BY: JK

CHK. BY: LFS

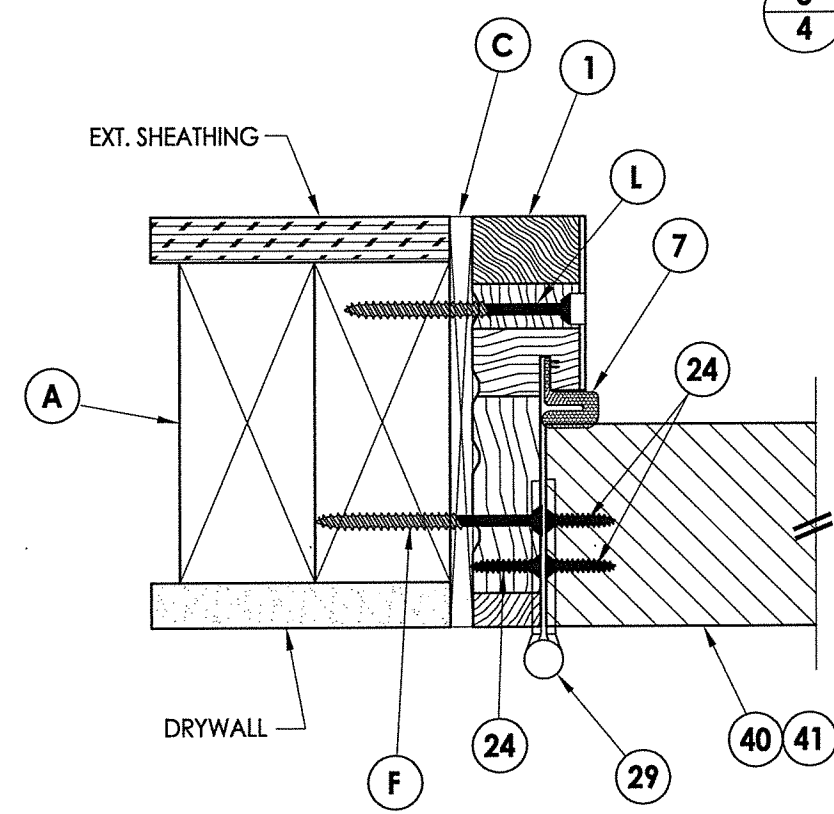
DRAWING NO.: TX-4714

SHEET 3 of 8

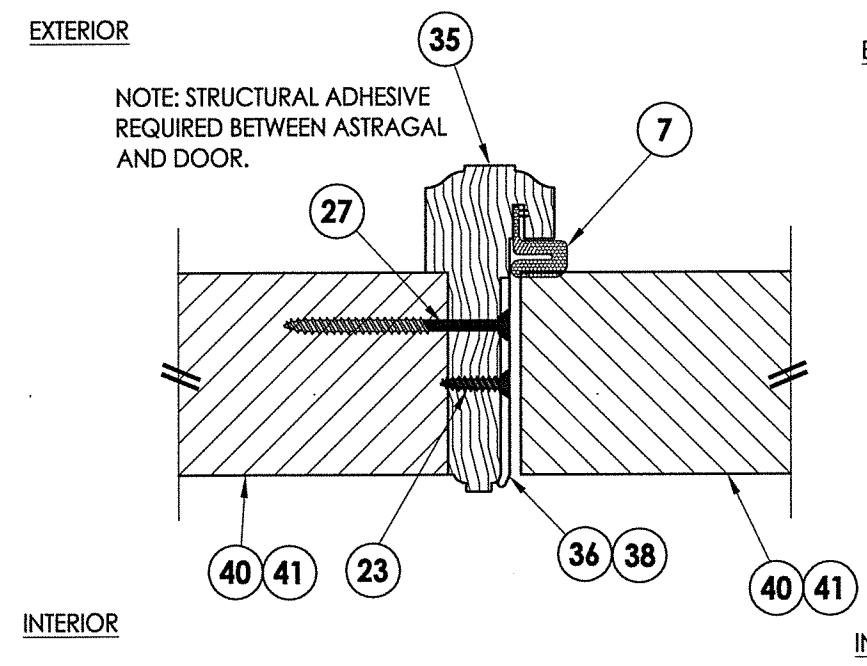
HARDWARE TABLE			
MANUFACTURER	MODEL	MAX. DESIGN PRESSURE (PSF)	
		INSWING	OUTSWING
SCHLAGE (SINGLE DOOR)	KNOB: F51 DEADBOLT: B60N	+55/-60	+60/-60
ENDURA (SINGLE DOOR)	TRILENNIUM 3000 MULTIPOINT LOCK (3-PT.)	+60/-60	+60/-60
ENDURA (DOUBLE DOOR)	ACTIVE: TRILENNIUM 3500 MULTIPOINT LOCK (5-PT.) INACTIVE: TRILENNIUM 3020 MULTIPOINT LOCK (2-PT.)	+60/-60	+60/-60
HOPPE (DOUBLE DOOR)	HLS 9000 SERIES MULTIPONT HARDWARE: ACTIVE: TONGUE/SHOOTBOLT (5-PT.) INACTIVE: SHOOTBOLT (2-PT.)	+60/-60	+60/-60



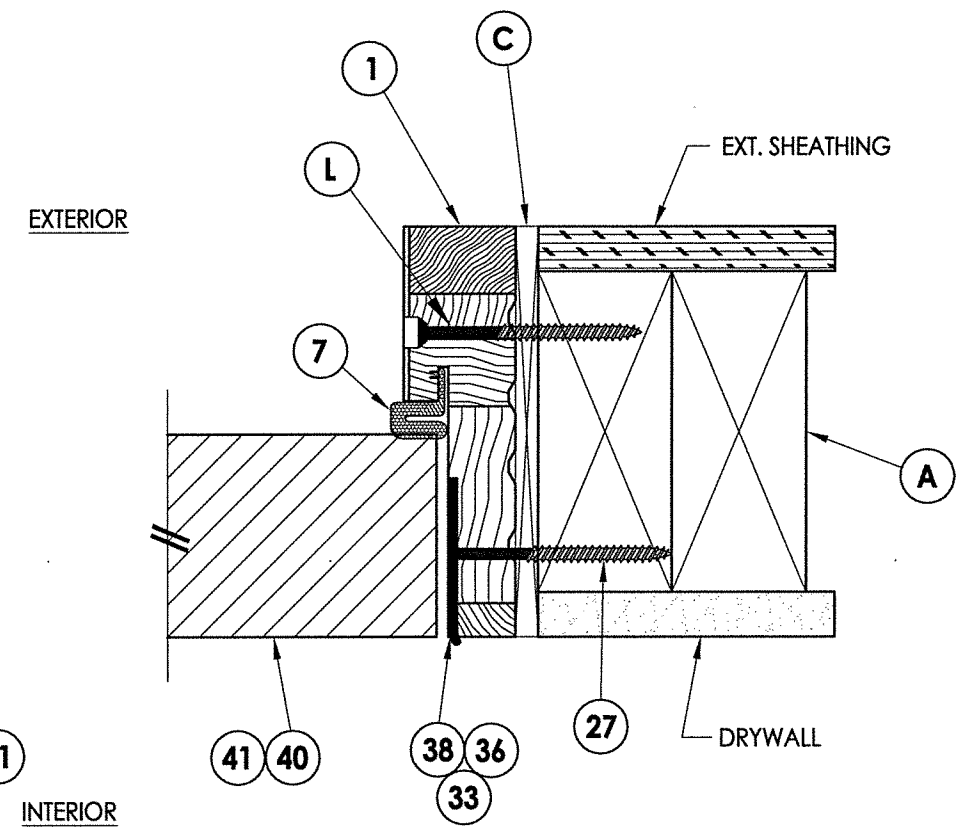
**3 VERTICAL CROSS SECTION**  
**4** Shown w/ 2X Buck  
 Inswing shown (Outswing similar)



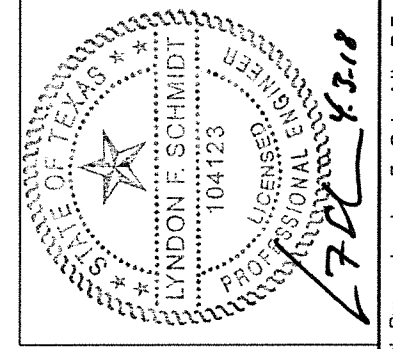
**1 HORIZONTAL CROSS SECTION**  
**4** Shown w/ 2X Buck  
 Inswing shown (Outswing similar)



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



**2 HORIZONTAL CROSS SECTION**  
**4** Shown w/ 2X Buck  
 Inswing shown (Outswing similar)



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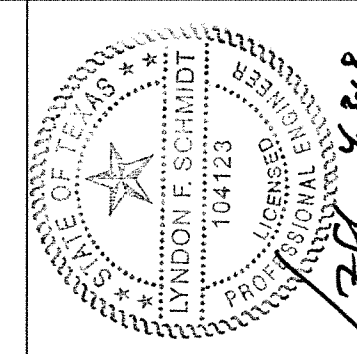
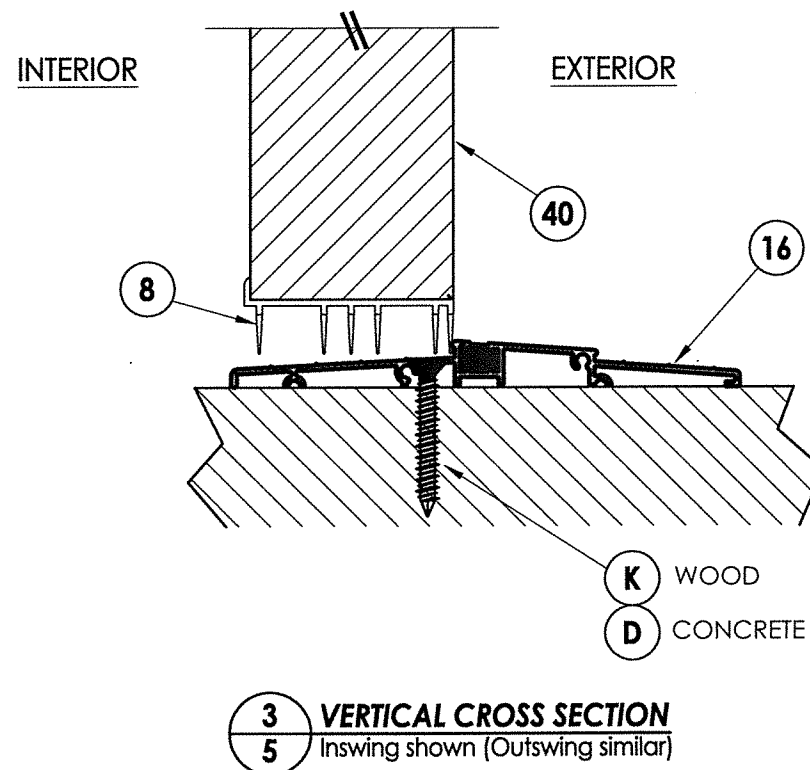
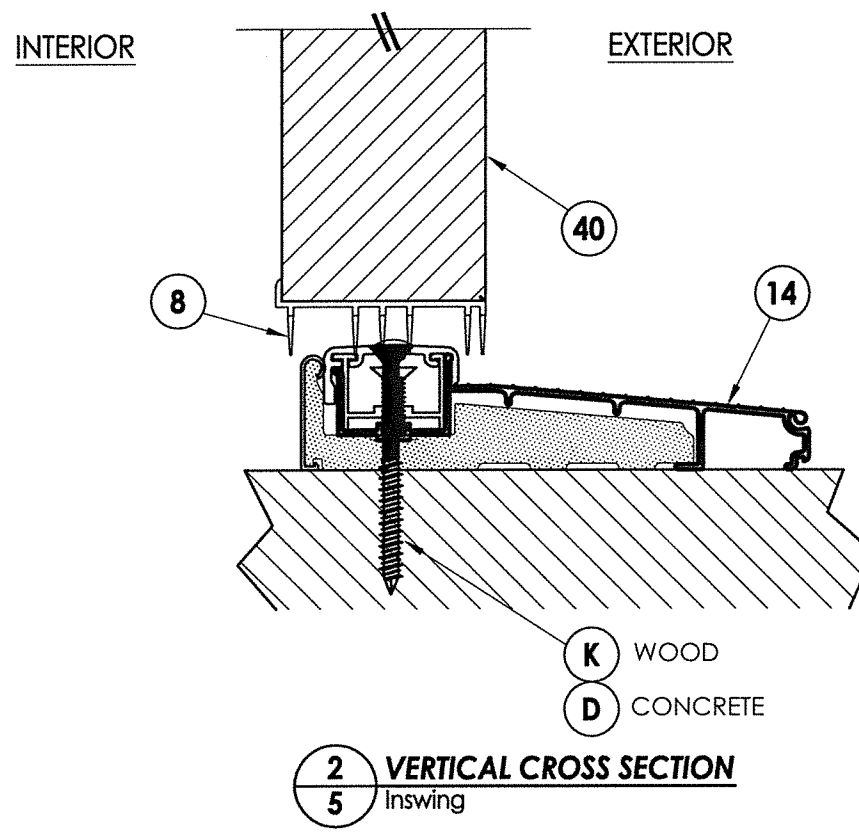
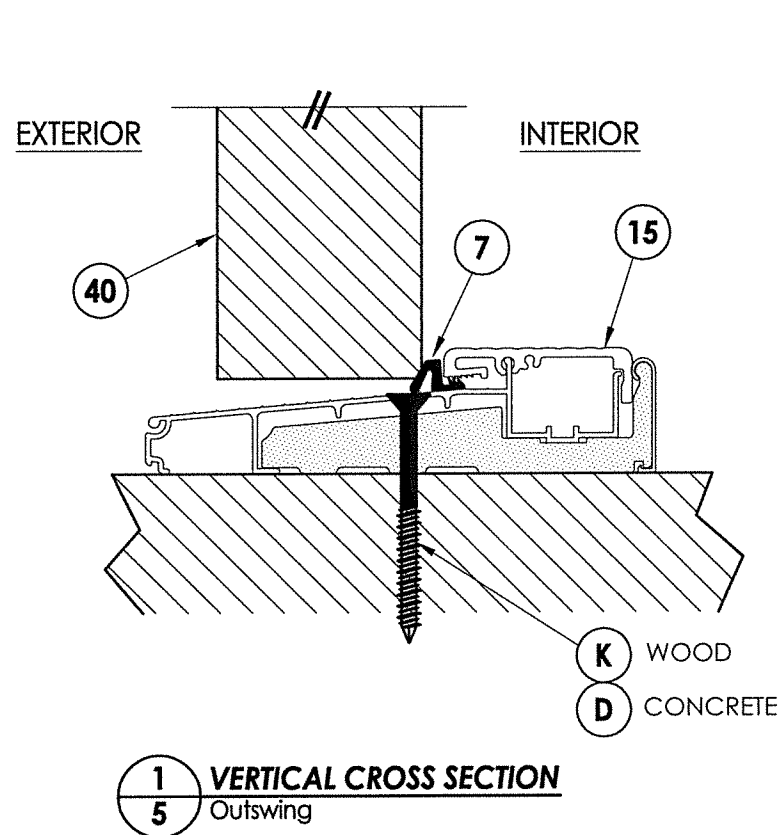
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ROGUE VALLEY WOOD DOOR

PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 3/29/18  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: TX-4714  
 SHEET 4 OF 8



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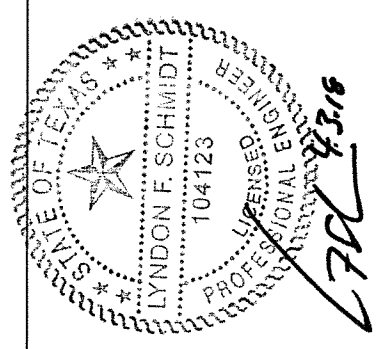
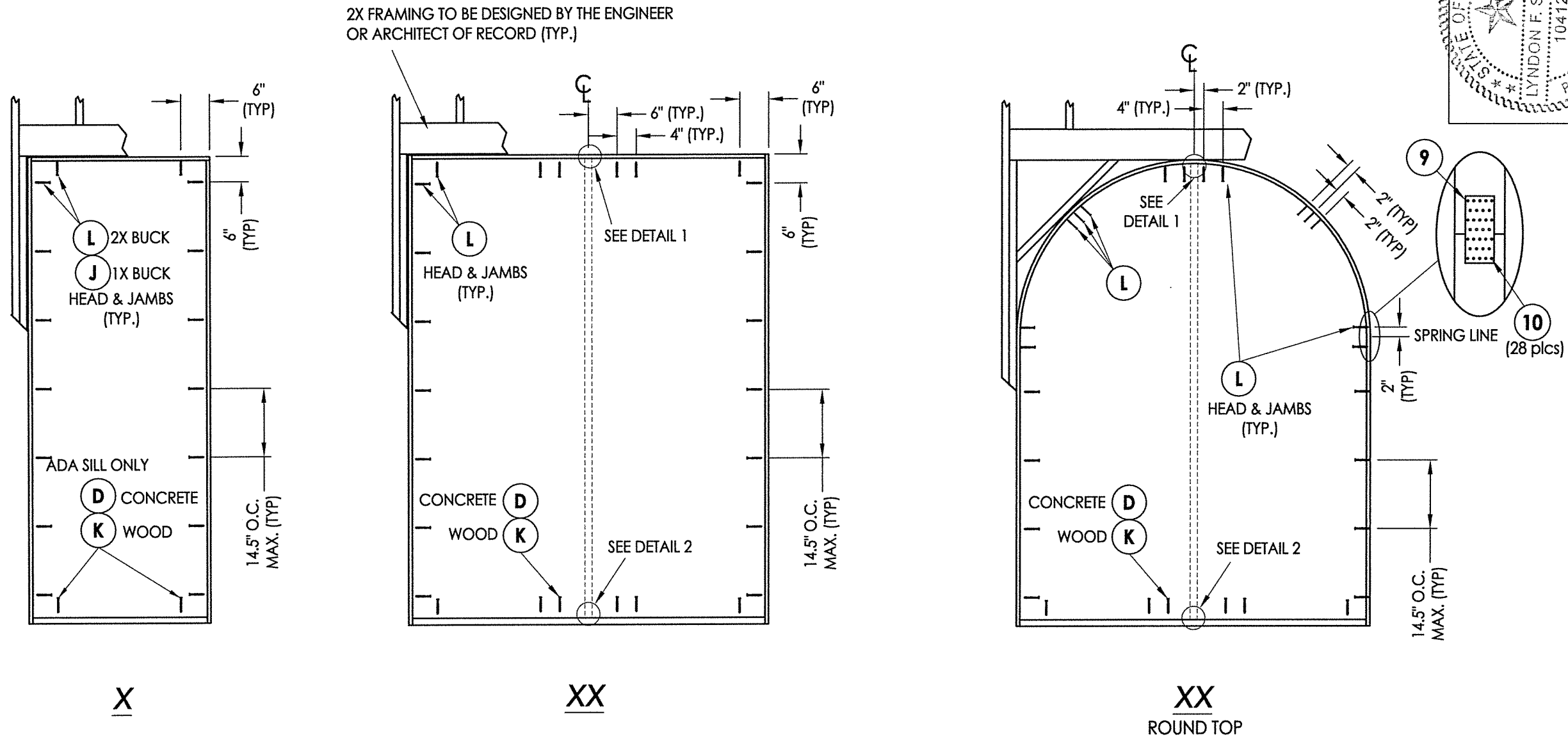
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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	ROGUE VALLEY WOOD DOOR
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE:	3/29/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4714
SHEET	5 OF 8



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PRODUCT:	MILLWORK 360 WOOD DOOR
PART OR ASSEMBLY:	FRAME ANCHORING

NO.	DATE	BY	REVISIONS

DATE: 2/15/17

SCALE: N.T.S.

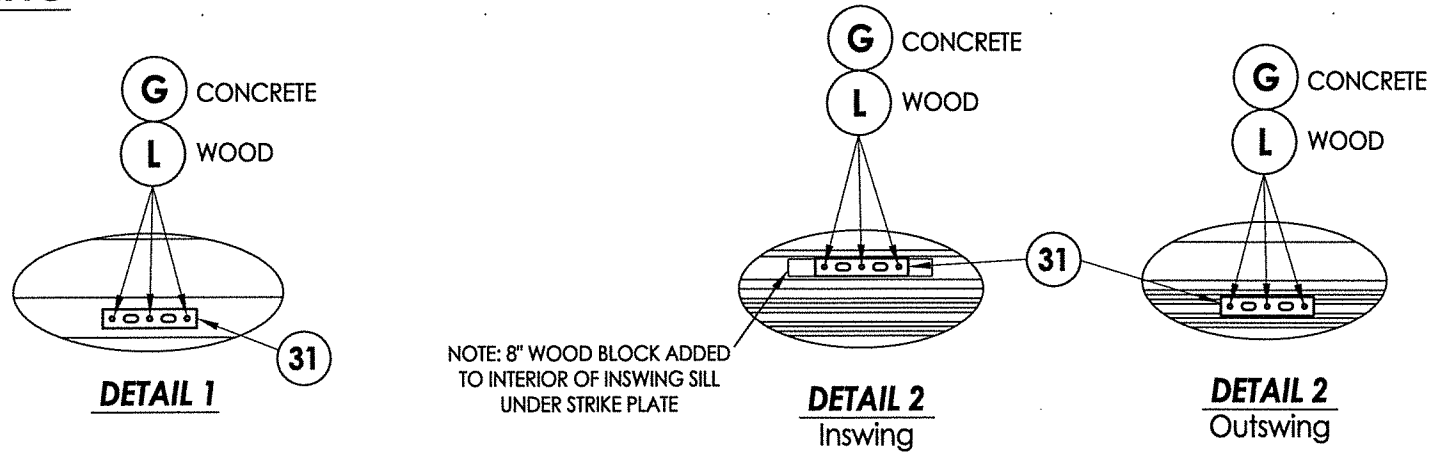
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CHK. BY: LFS

DRAWING NO.: TX-4714

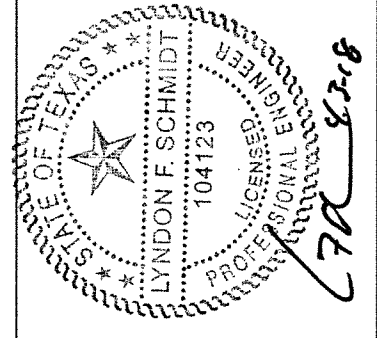
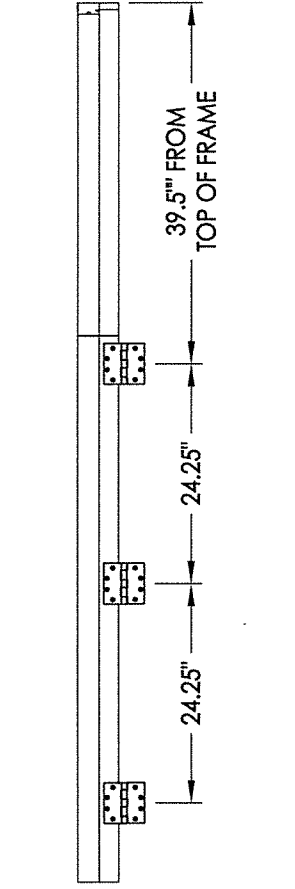
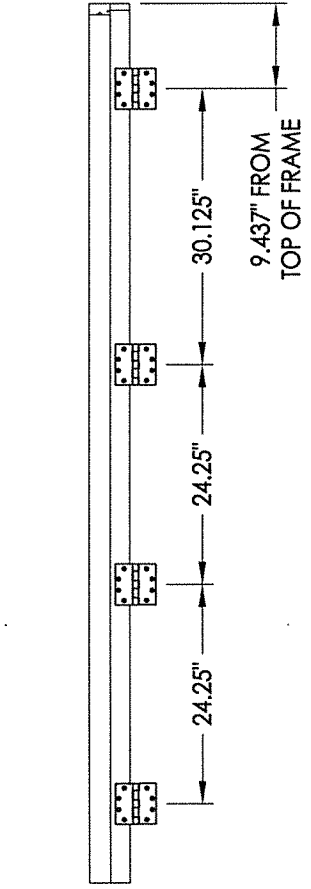
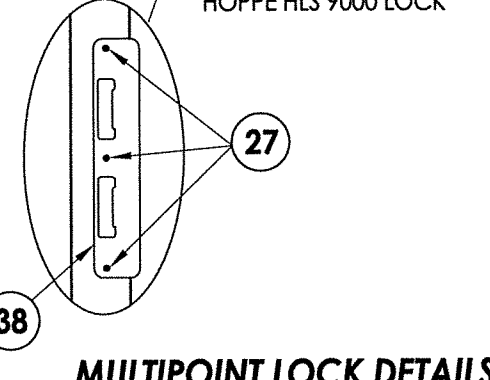
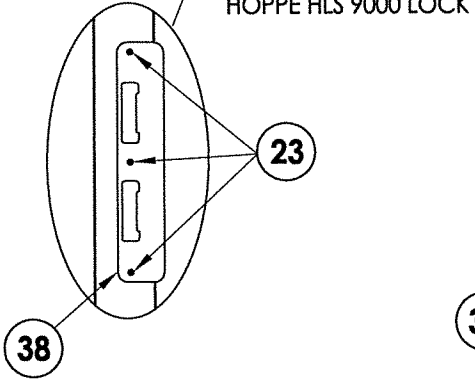
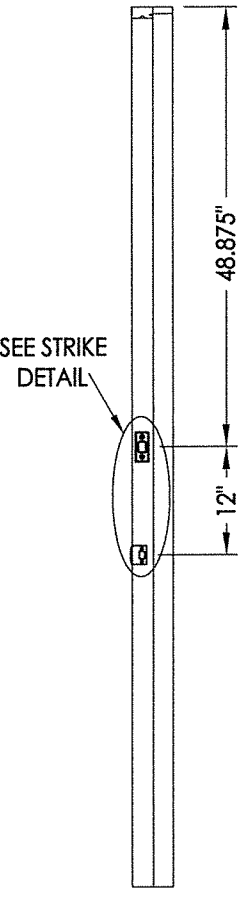
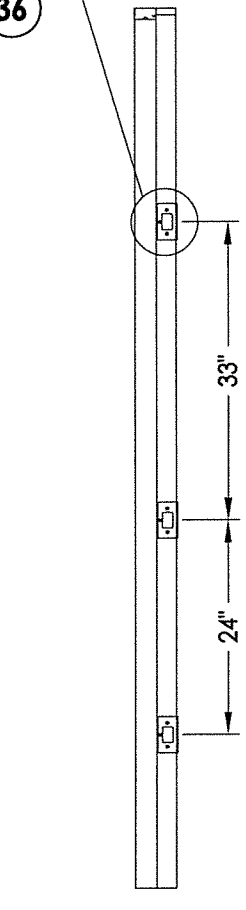
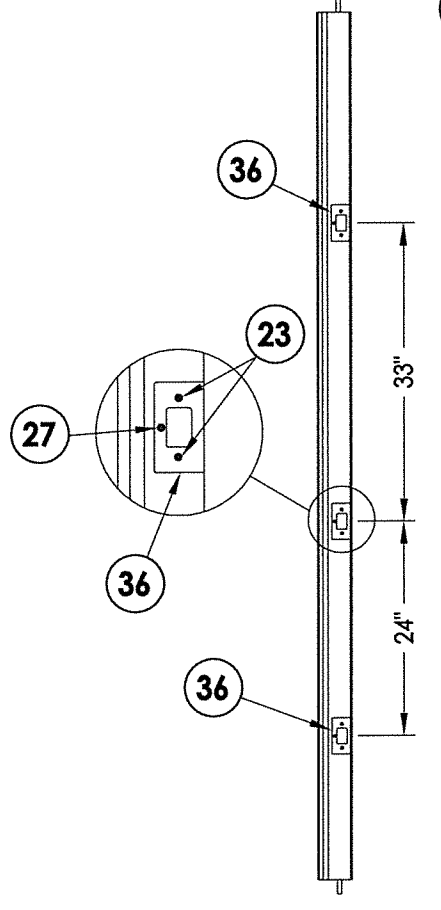
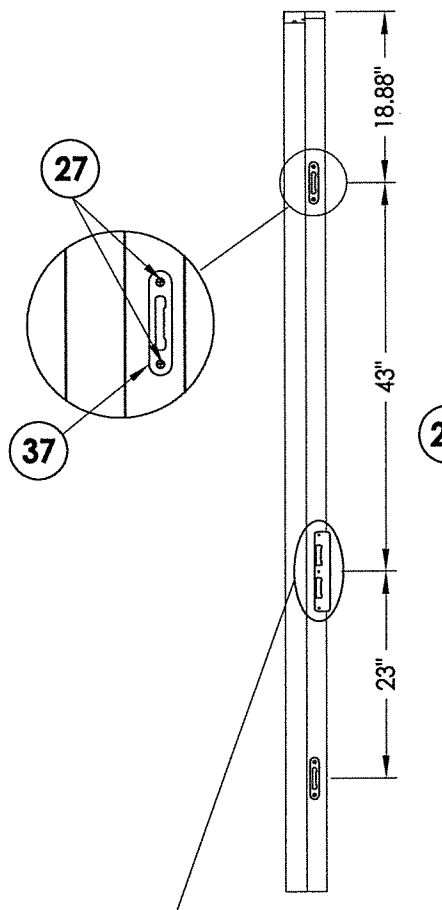
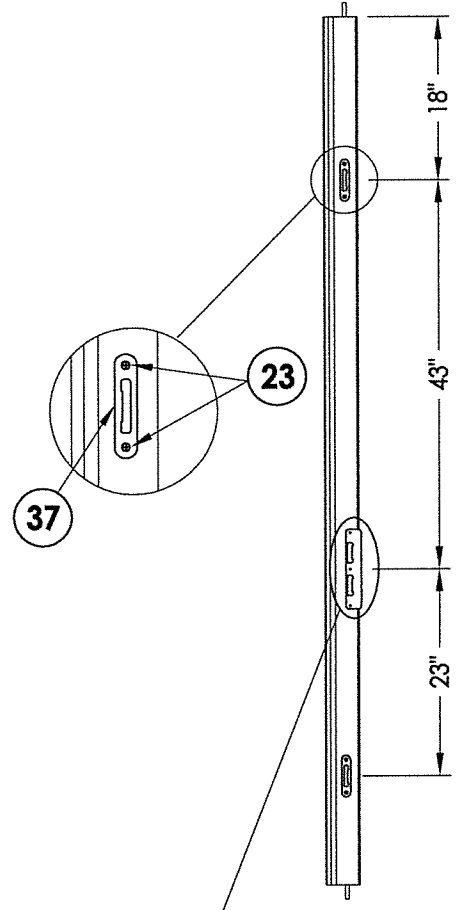
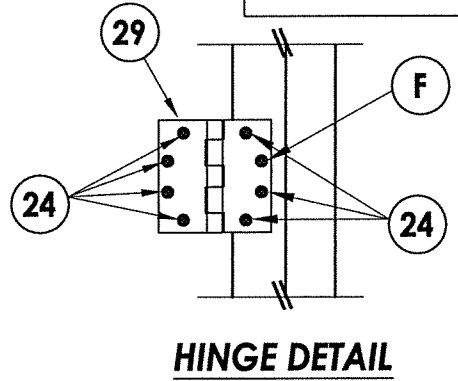
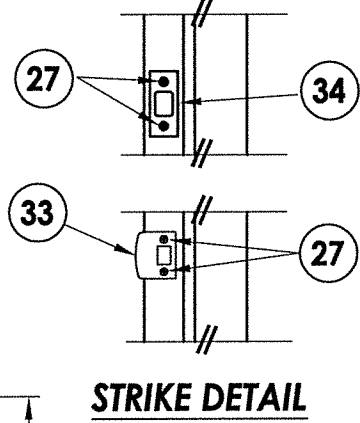
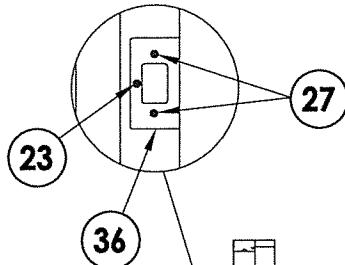
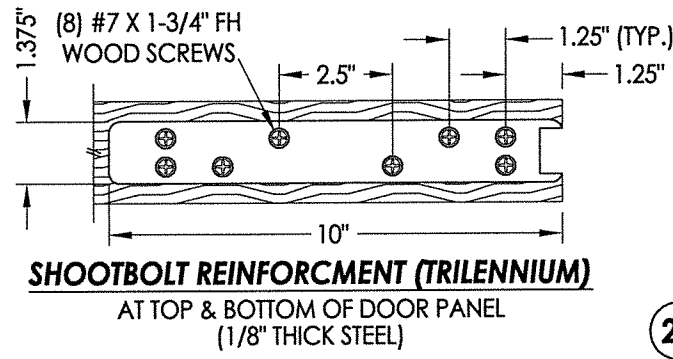
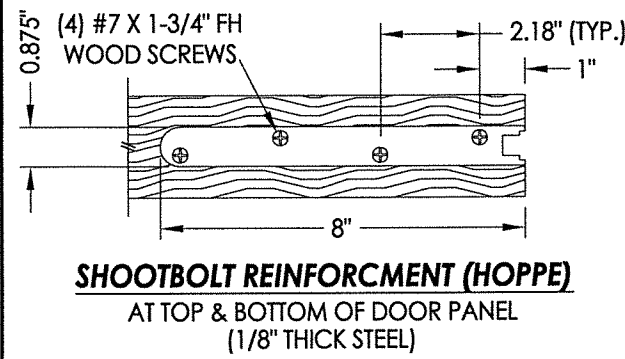
SHEET 6 OF 8

**FRAME ANCHORING**



NOTE:

1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS.



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TEXAS P.E. #104123

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Phone No.: 813.659.9197

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

PRODUCT: ROGUE VALLEY WOOD DOOR

PART OR ASSEMBLY: HARDWARE DETAILS

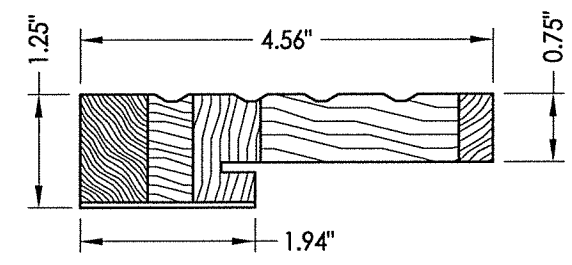
NO.	DATE	BY	REVISIONS

DATE: 3/29/18  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4714  
SHEET 7 OF 8

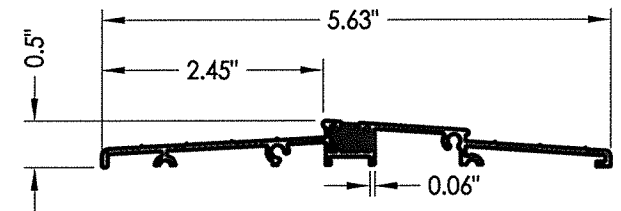
R:\Clients\Rogue Valley Doors PERMANENT\B - Texas Dept of Ins\TDI - DR-XXX (Sub ID ...) - 80 Doors\C - Drawings\TX-4714-15.dwg, 8.1

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" PFH IELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
F	#12 X 2-1/2" PFH WOOD SCREW	STEEL
G	3/16" PFH ITW CONCRETE SCREW (1-1/4" MIN. EMB.)	STEEL
K	#10 PFH WOOD SCREW (1-3/4" MIN. EMB.)	STEEL
1	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
1	JAMB (DOOR)	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	20 GA. SPLICE PLATE (SIMPSON STRONG-TIE TP-37)	STEEL
10	#6 X 1/2" PPH WOOD SCREW	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
16	ADA THRESHOLD	ALUM
23	#8 X 3/4" PFH WOOD SCREW	STEEL
24	#12 x 1" PFH WOOD SCREW	STEEL
25	#8 x 1-3/4 PFH WOOD SCREW	STEEL
26	#8 x 2-1/2" FH DEEP THREAD WOOD SCREW	STEEL
27	#9 x 2-1/2" PFH WOOD SCREW	STEEL
29	4.5" X 4.5" HINGE	STEEL
31	ASTRAGAL STRIKE	STEEL
33	LATCH STRIKE PLATE	STEEL
34	DEADBOLT STRIKE PLATE	STEEL
35	ASTRAGAL	WOOD
36	MULTIPOINT STRIKE PLATE (ENDURA TRILENNIUM)	STEEL
37	MULTIPOINT TONGUE STRIKE (HOPPE HLS 9000)	STEEL
38	MULTIPOINT STRIKE PLATE (HOPPE HLS 9000)	STEEL
40	DOOR PANEL	WOOD
41	DOOR PANEL	WOOD

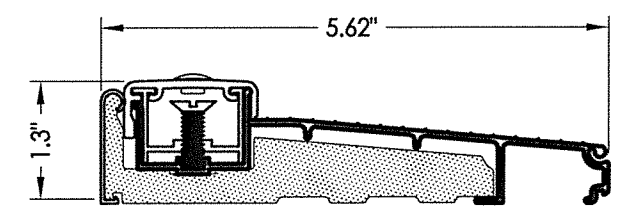
WOOD FRAME COMPONENTS: POPLAR (G = 0.42)



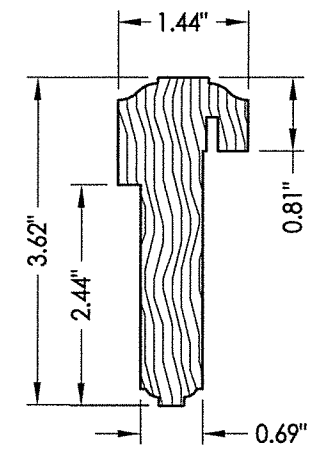
1 WOOD JAMB



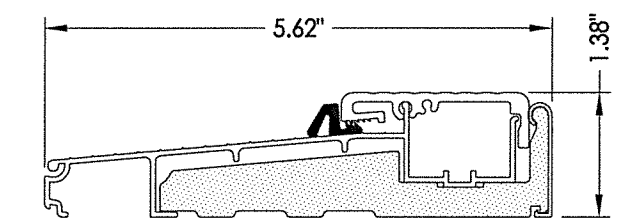
16 ADA THRESHOLD ENDURA



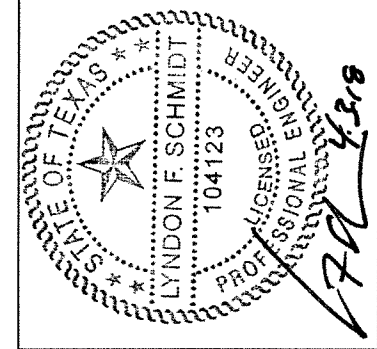
14 INSWING THRESHOLD COLUMBIA



35 ASTRAGAL Wood



15 OUTSWING THRESHOLD COLUMBIA



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

PRODUCT: 10 WOOD DOOR

PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	BY	REVISIONS

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"
ELCO ULTRACON®	1/4"	1-3/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

DATE: 3/29/18  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4714  
SHEET 8 OF 8