



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

# WOOD EDGE OPAQUE SINGLE STEEL DOOR IN SWING / OUT SWING "IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

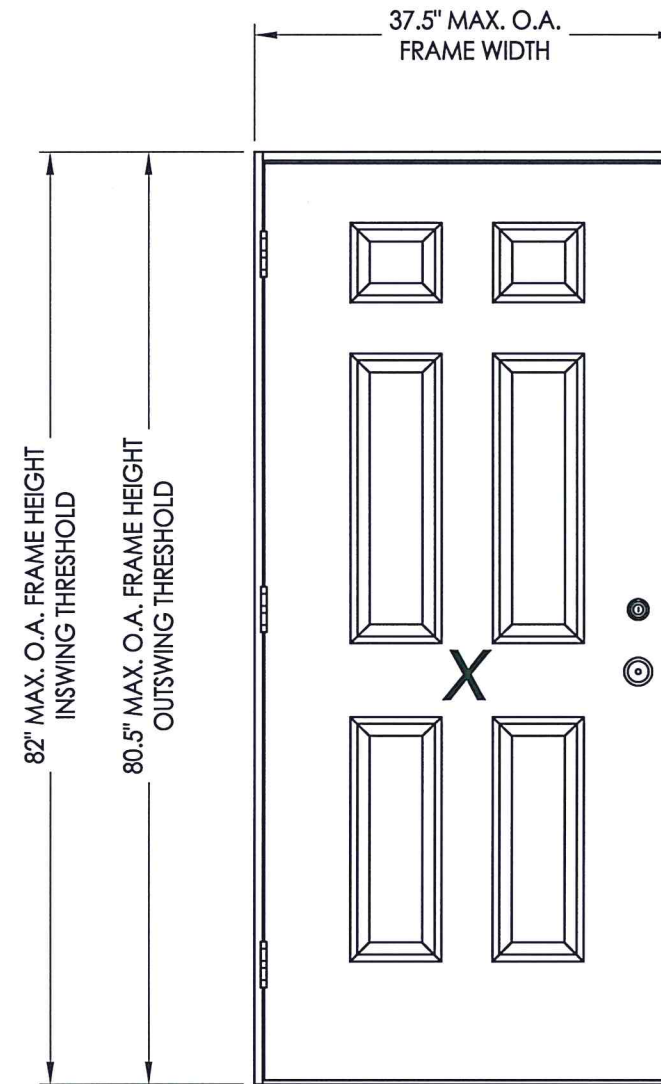
**DR-993**

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:

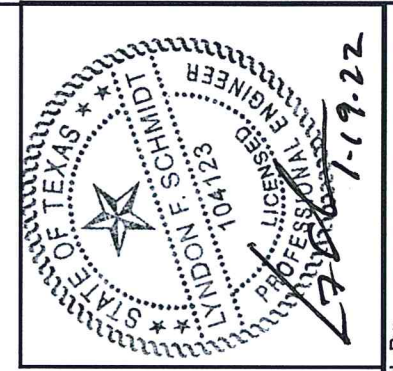
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. This system has been tested and evaluated as a large missile impact protective system for installation in areas that require wind borne debris protection. This 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	Horizontal & vertical cross sections
4	Vertical cross sections
5	Buck and frame anchoring
6	Bill of materials and components



MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
37.5" x 82.0"	+47.0	-47.0	+47.0	-47.0



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

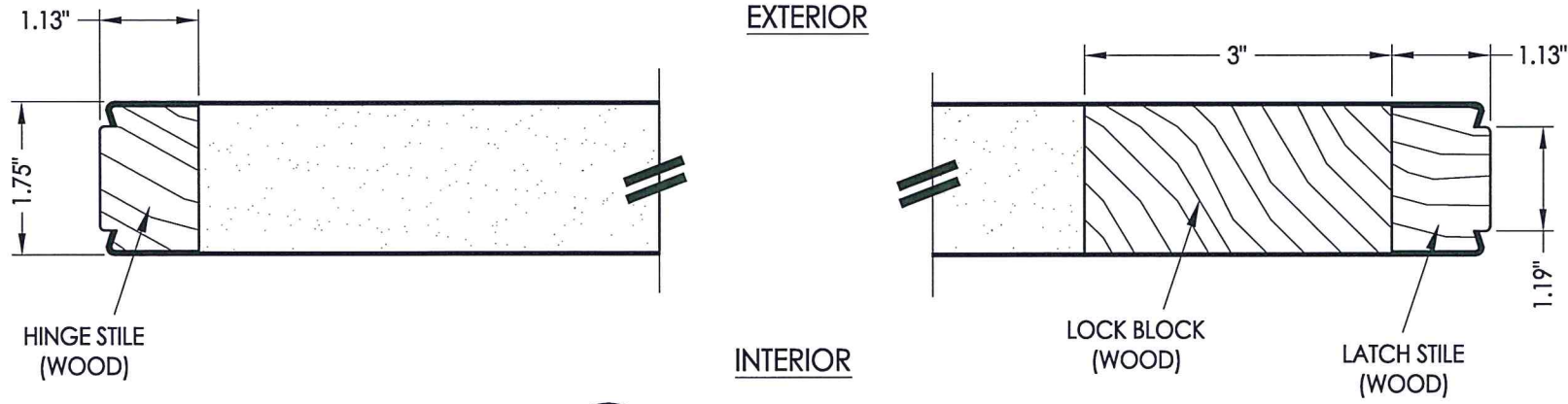
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Vairico FL 33595  
Phone No.: 813.659.9197

CERTIFICATE OF REGISTRATION # F-11852

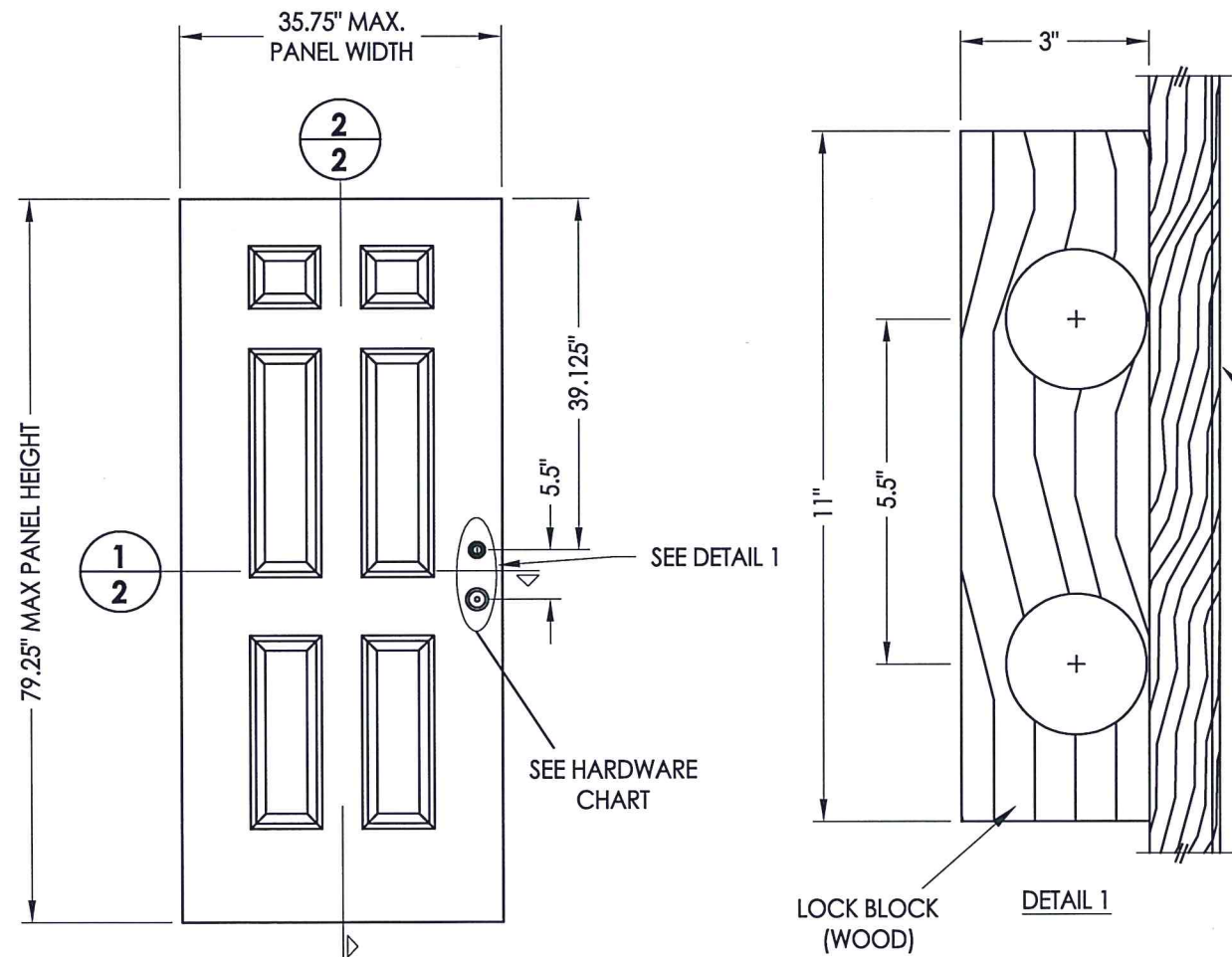
PRODUCT:	TAYLOR ENTRANCE SYSTEMS
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
DATE:	6/28/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4862
SHEET	1 OF 6



Z:\Clients\Taylor Permanent\B - Texas Dept of Ins\TDI - DR 993 Wood Edge (OP) Steel Door Wood & Comp Jamb\Drawings\TX-4862.dwg



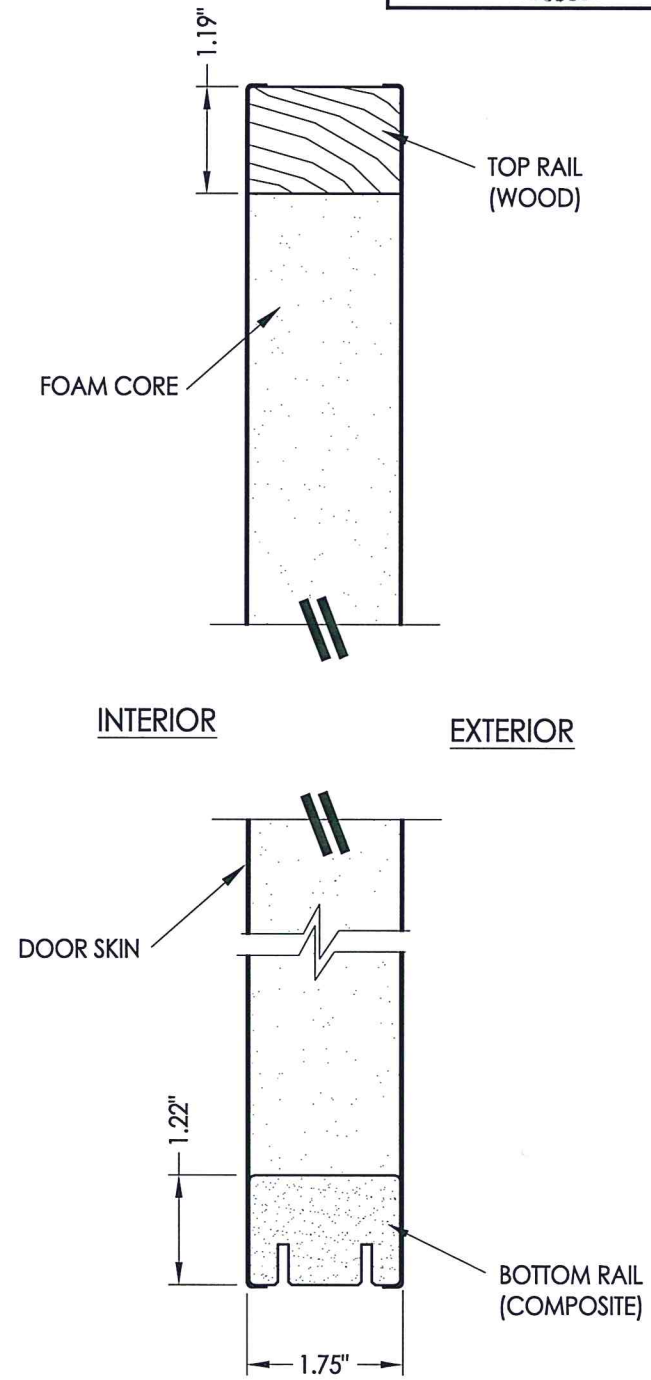
**1**  
**2** HORIZONTAL CROSS SECTION



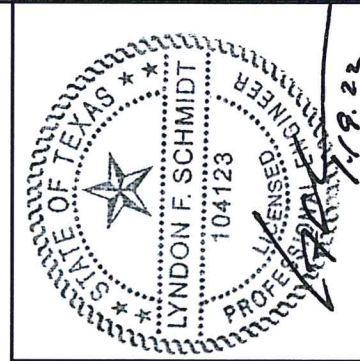
**40** DOOR PANEL  
Wood Edge  
Steel Door

HARDWARE CHART	
MANUFACTURER	MODEL
YALE	KNOB: NEW TRADITIONS DEADBOLT: NEW TRADITIONS (800 SERIES)
SCHLAGE	KNOB/LEVER: "F" SERIES DEADBOLT: B60/62
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)

DOOR SKIN: 0.019" MIN. THK. STEEL  
CORE MATERIAL: POLYURETHANE FOAM

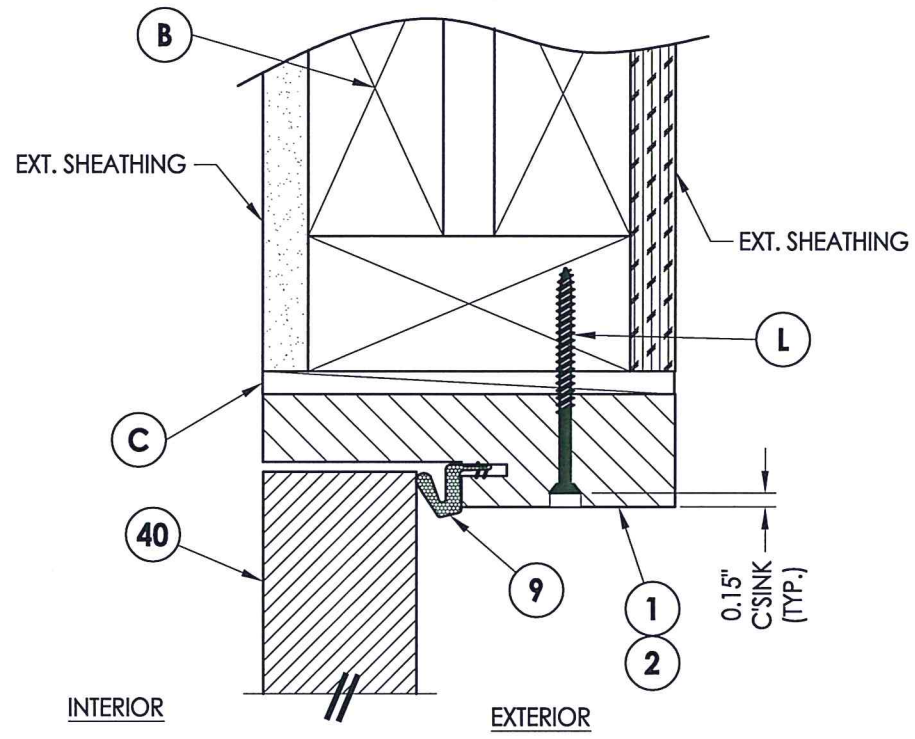
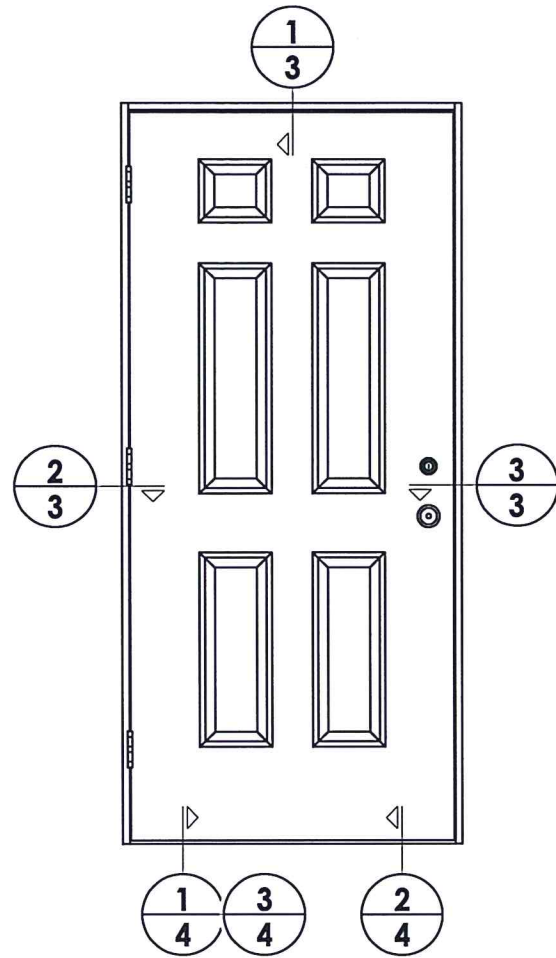


**2**  
**2** VERTICAL CROSS SECTION

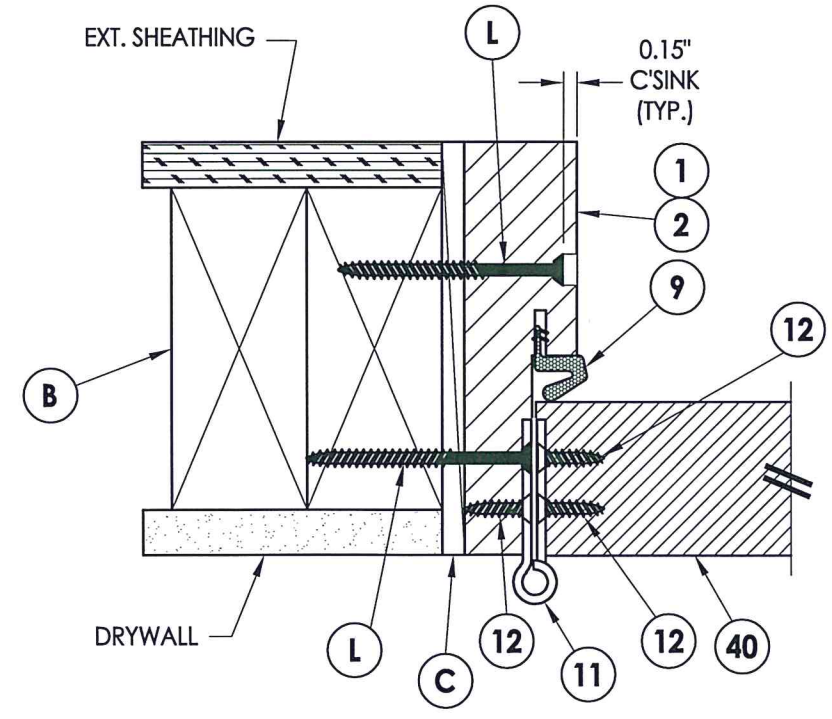


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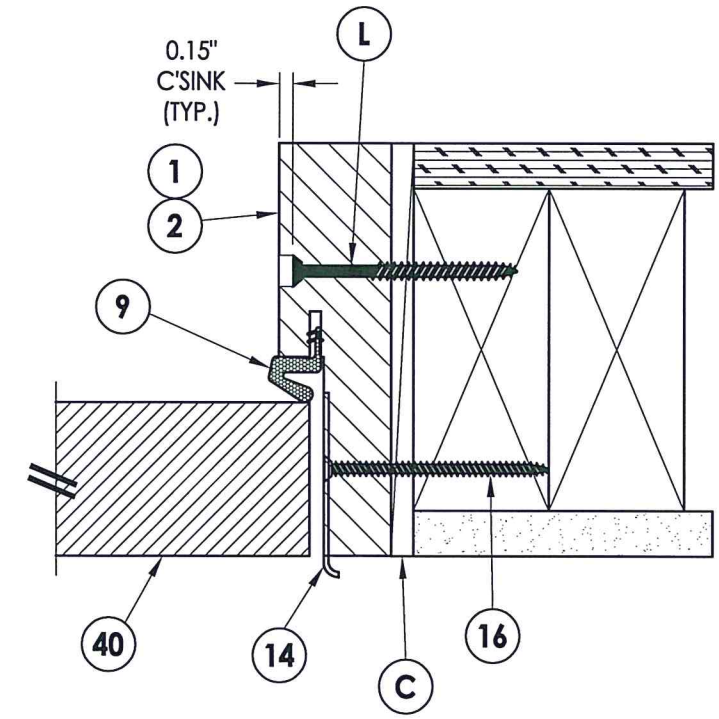
PRODUCT:	TAYLOR ENTRANCE SYSTEMS	
PART OR ASSEMBLY:	DOOR PANEL DETAILS	
DATE:	6/28/18	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4862	
SHEET	2 OF 6	
NO.	DATE	BY
1	1/12/22	LFS
UPDATE TO 2018 IBC/IRC CODE & ADD ENDURA THRESHOLDS		
REVISIONS		



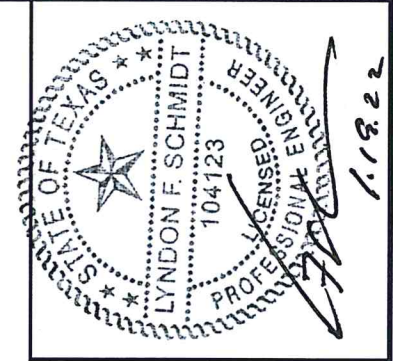
**1 VERTICAL CROSS SECTION**  
Inswing Shown - Outswing Similar



**2 HORIZONTAL CROSS SECTION**  
Inswing Shown - Outswing Similar



**3 HORIZONTAL CROSS SECTION**  
Inswing Shown - Outswing Similar



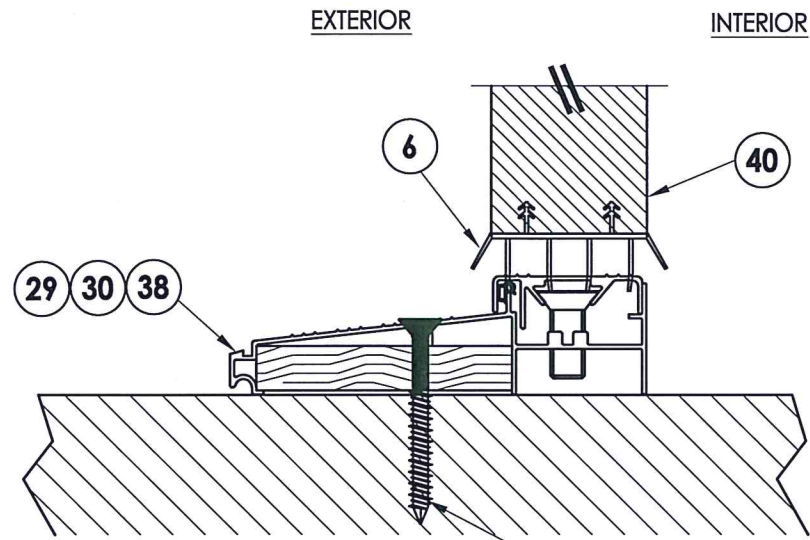
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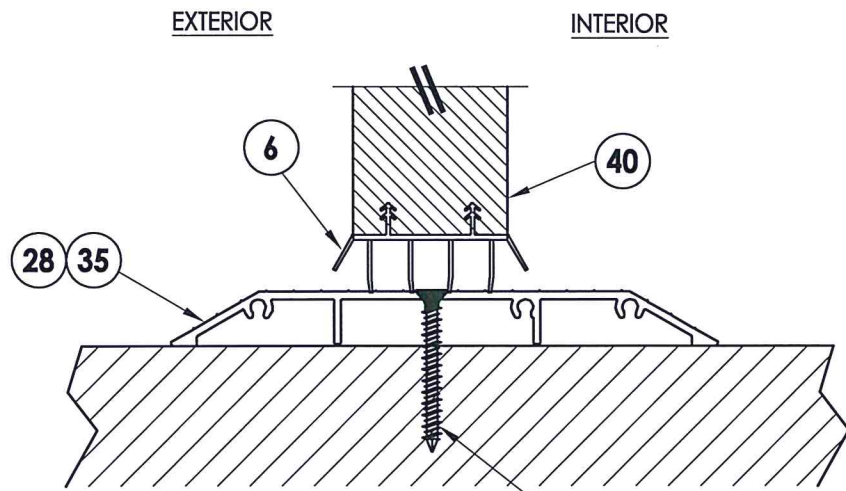
PRODUCT:		TAYLOR ENTRANCE SYSTEMS	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
1	1/12/22	UPDATE TO 2018 IBC/IRC CODE & ADD ENDURA THRESHOLDS	LFS
DATE: 6/28/18		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: TX-4862		SHEET 3 of 6	





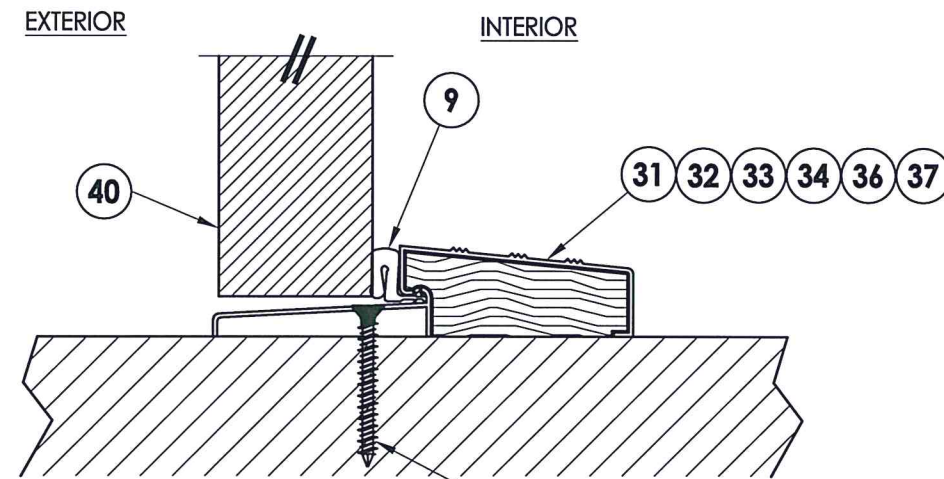
(K) WOOD  
(P) CONCRETE

**1** VERTICAL CROSS SECTION  
**4** Inswing configuration



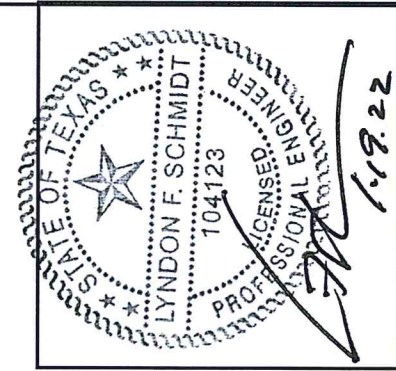
(K) WOOD  
(P) CONCRETE

**3** VERTICAL CROSS SECTION  
**4** Inswing configuration



(K) WOOD  
(P) CONCRETE

**2** VERTICAL CROSS SECTION  
**4** Outswing configuration

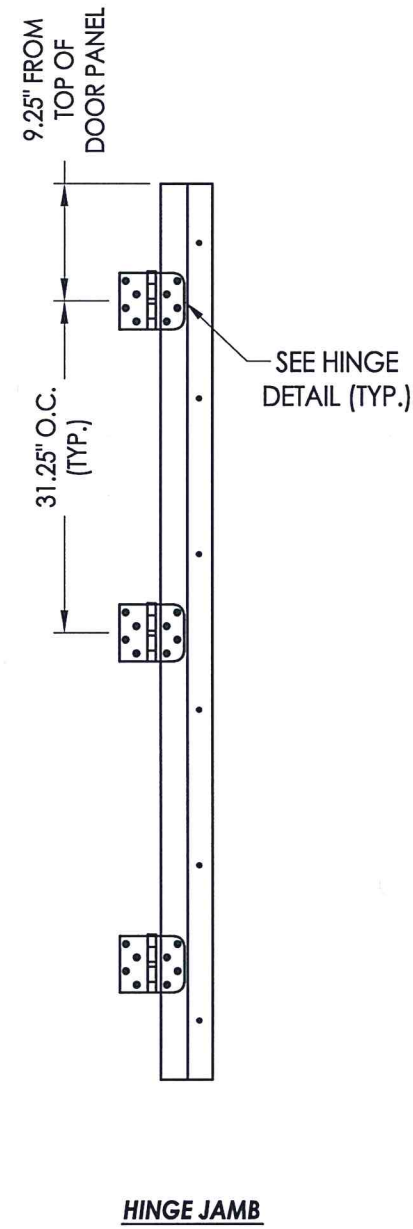


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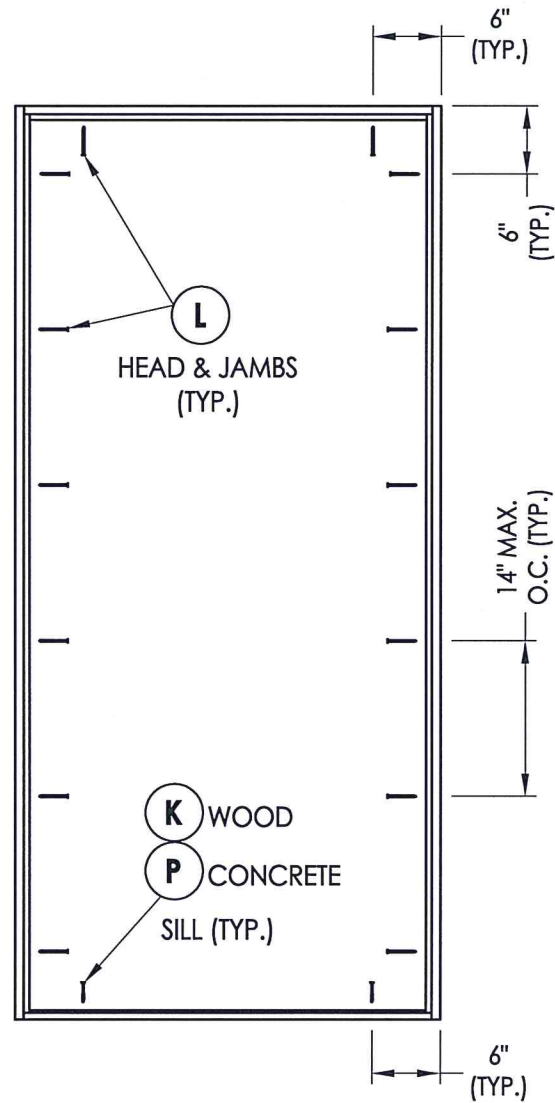
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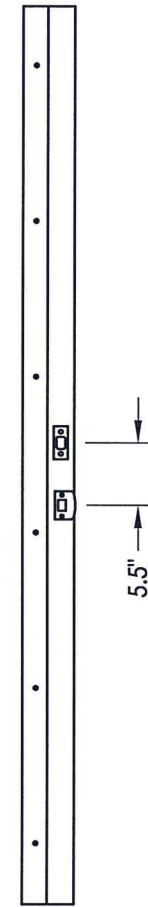
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PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
1	1/12/22	LFS	UPDATE TO 2018 IBC/IRC CODE & ADD ENDURA THRESHOLDS
DATE: 6/28/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4862			
SHEET 4 OF 6			



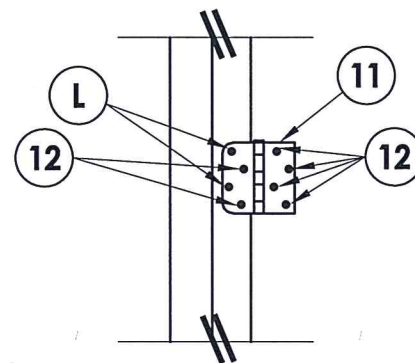
**HINGE JAMB**



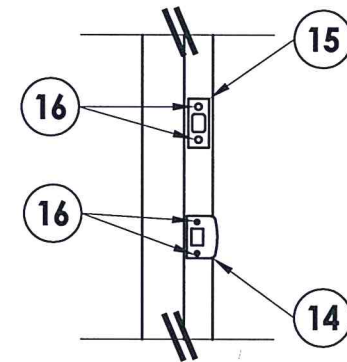
**FRAME ANCHORING**



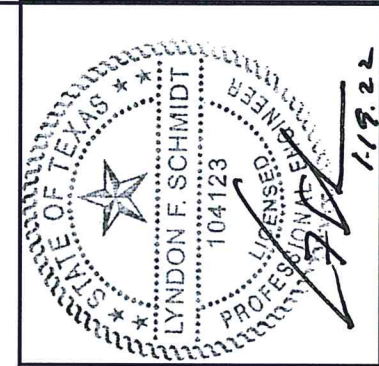
**STRIKE JAMB**



**HINGE DETAIL**



**LATCH & DEADBOLT DETAIL**



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**CONCRETE ANCHOR NOTES:**

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. 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"

**WOOD SCREW INSTALLATION NOTES:**

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

PRODUCT:		TAYLOR ENTRANCE SYSTEMS	
PART OR ASSEMBLY:		BUCK AND FRAME ANCHORING	
NO.	DATE	BY	REVISIONS
1	1/12/22	LFS	UPDATE TO 2018 IBC/IRC CODE & ADD ENDURA THRESHOLDS
DATE: 6/28/18		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: TX-4862		SHEET 5 OF 6	



