

R:\clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-705 Masonite FG N\IC - Drawings\REV 2018 IBC\TX-4673.75.dwg, TX-4675



# Glazed Fiberglass Door

## "NON-IMPACT"

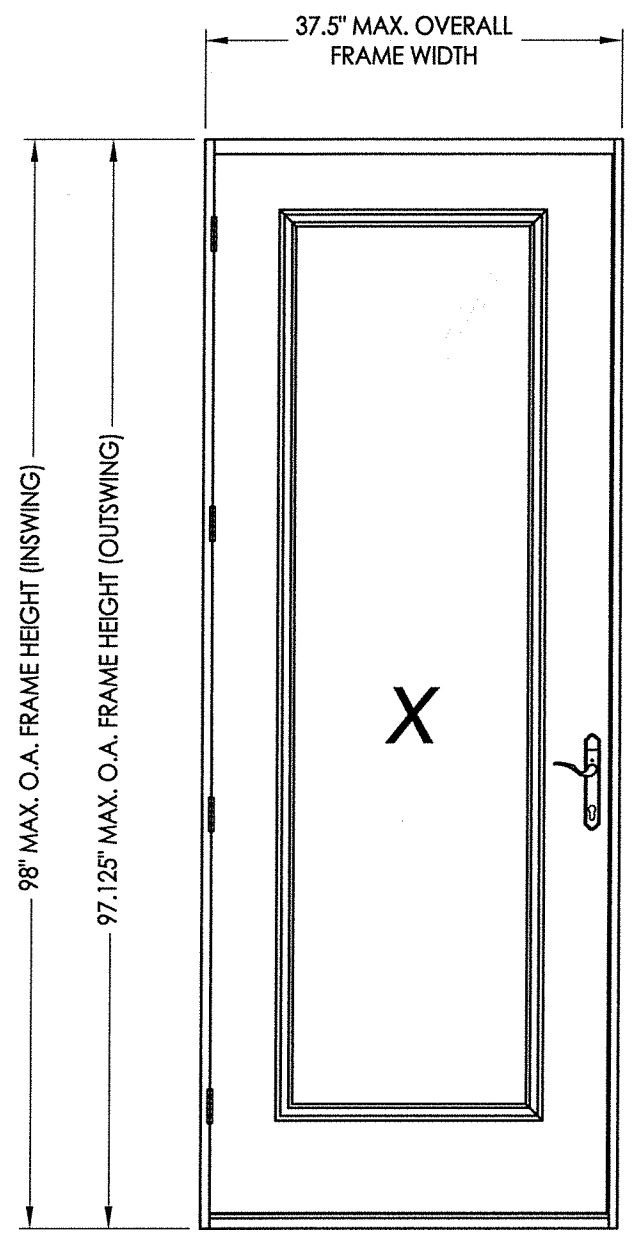
### INSWING / OUTSWING

**EVALUATED FOR USE IN THE STATE OF TEXAS**

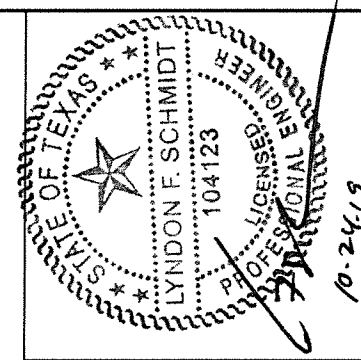
The Glazed Fiberglass Door system described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

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 product is required to be protected with an impact resistant covering that complies with Section R301.2.1.2 of the IRC and Section 1609.2 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	Horizontal & vertical cross sections
4	Vertical cross sections
5	Frame anchoring



CONFIG.	MODEL	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
X	INSWING	+50.0	-50.0
X	OUTSWING	+40.0	-40.0



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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: ENDURA

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

NO.	DATE	BY	REVISIONS
1	10/23/19	LFS	ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE

DATE: 11/09/16

SCALE: N.T.S.

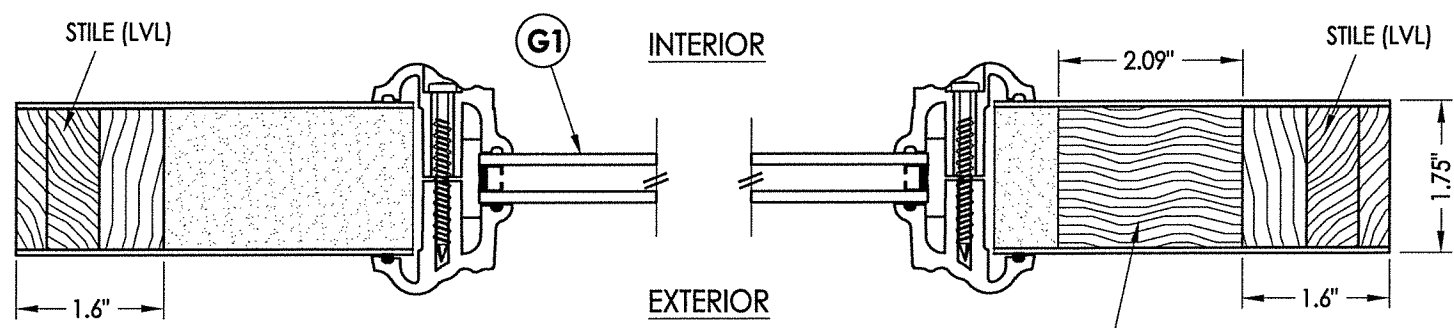
DWG. BY: JK

CHK. BY: LFS

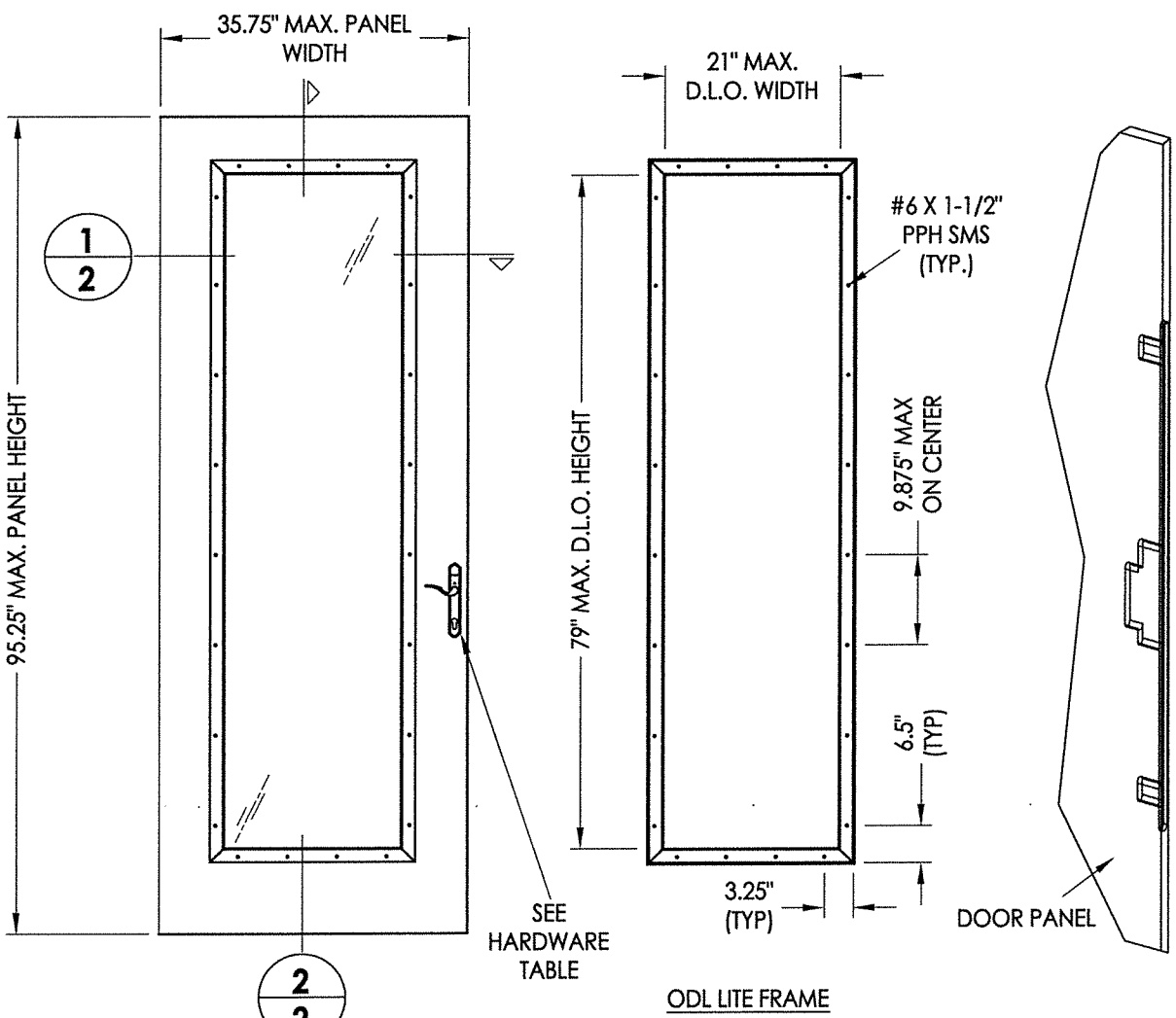
DRAWING NO.: TX-4675

SHEET 1 OF 5

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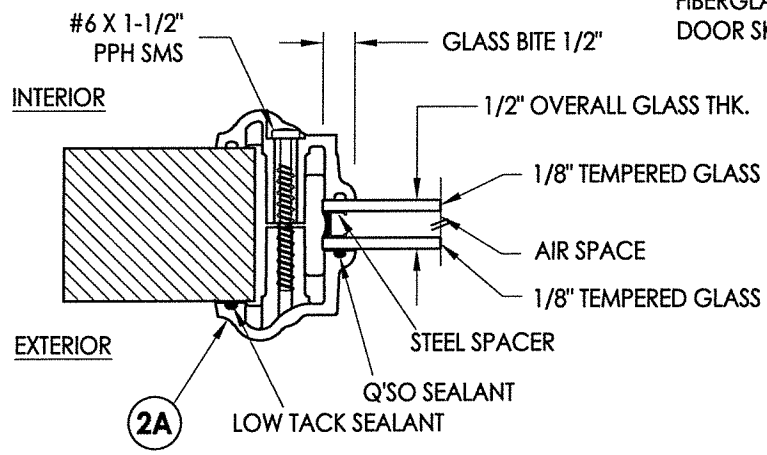


**1**  
**2** **HORIZONTAL CROSS SECTION**

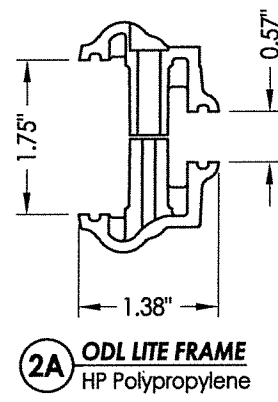


**2**  
**2** **DOOR PANEL**  
Masonite  
Fiberglass

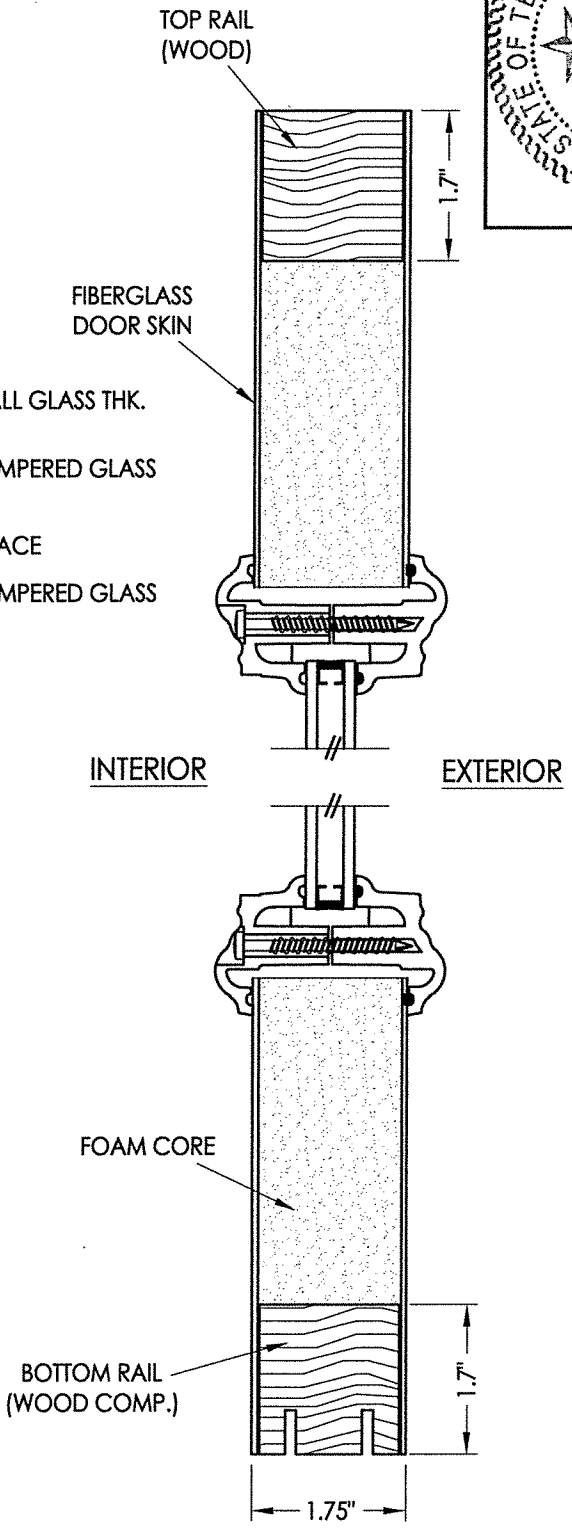
DOOR PANEL SKIN: FIBERGLASS (0.075\"/>



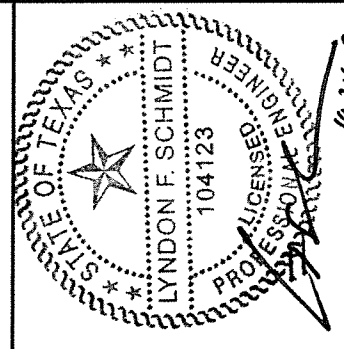
**G1** **GLAZING DETAIL**



**2A** **ODL LITE FRAME**  
HP Polypropylene



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



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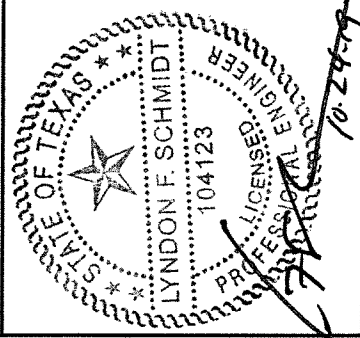
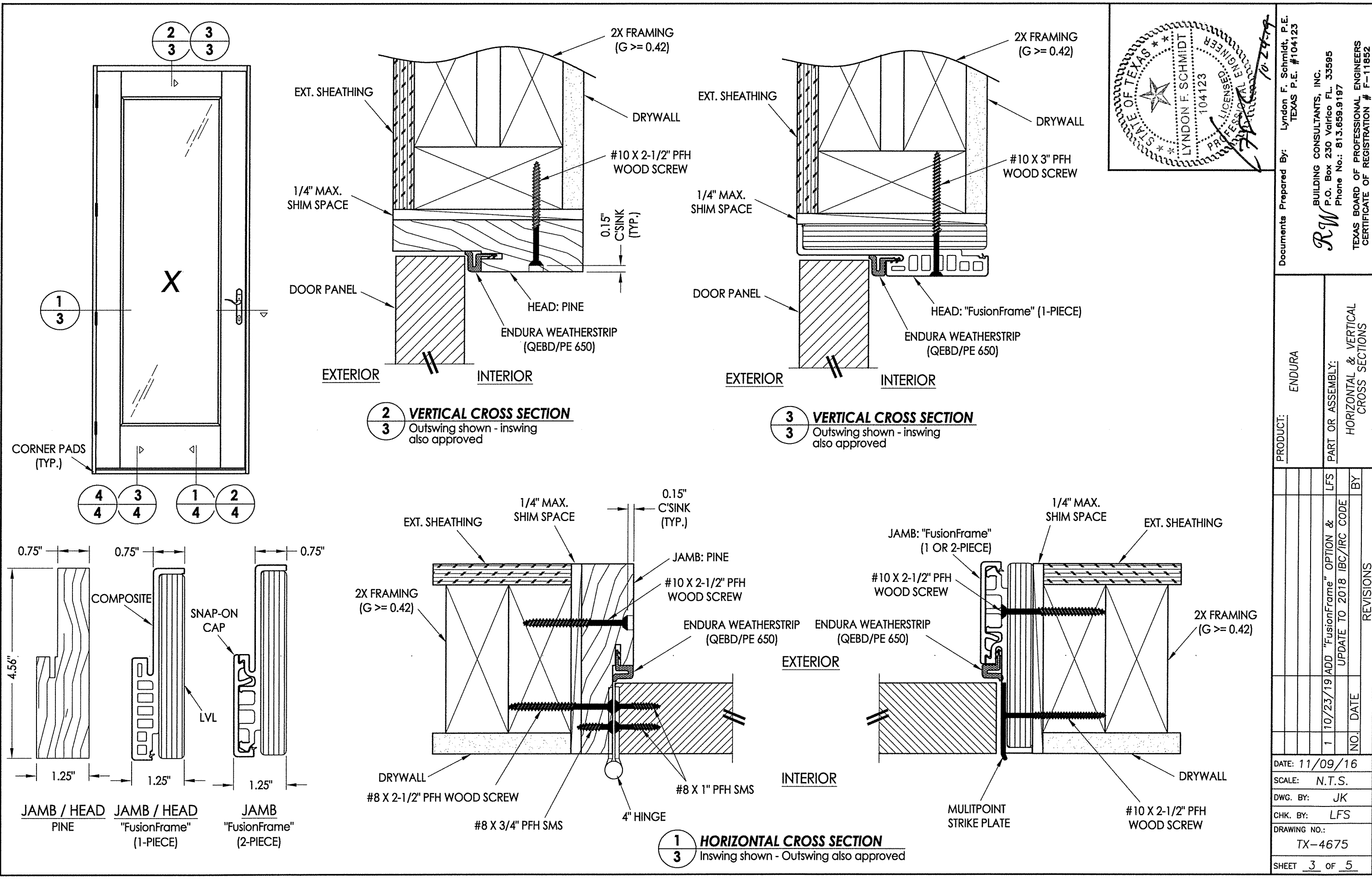
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Phone No.: 813.659.9197  
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PRODUCT:	ENDURA	
PART OR ASSEMBLY:	DOOR PANEL DETAILS	
NO.	DATE	BY
1	10/23/19	LFS
ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		

DATE:	11/09/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4675
SHEET	2 OF 5

HARDWARE TABLE	
MANUFACTURER	MODEL
Endura	Trilennium® 3000 Series Multipoint lock (3pt.)

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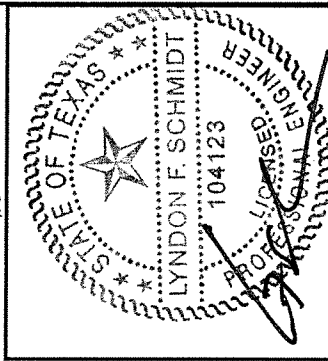
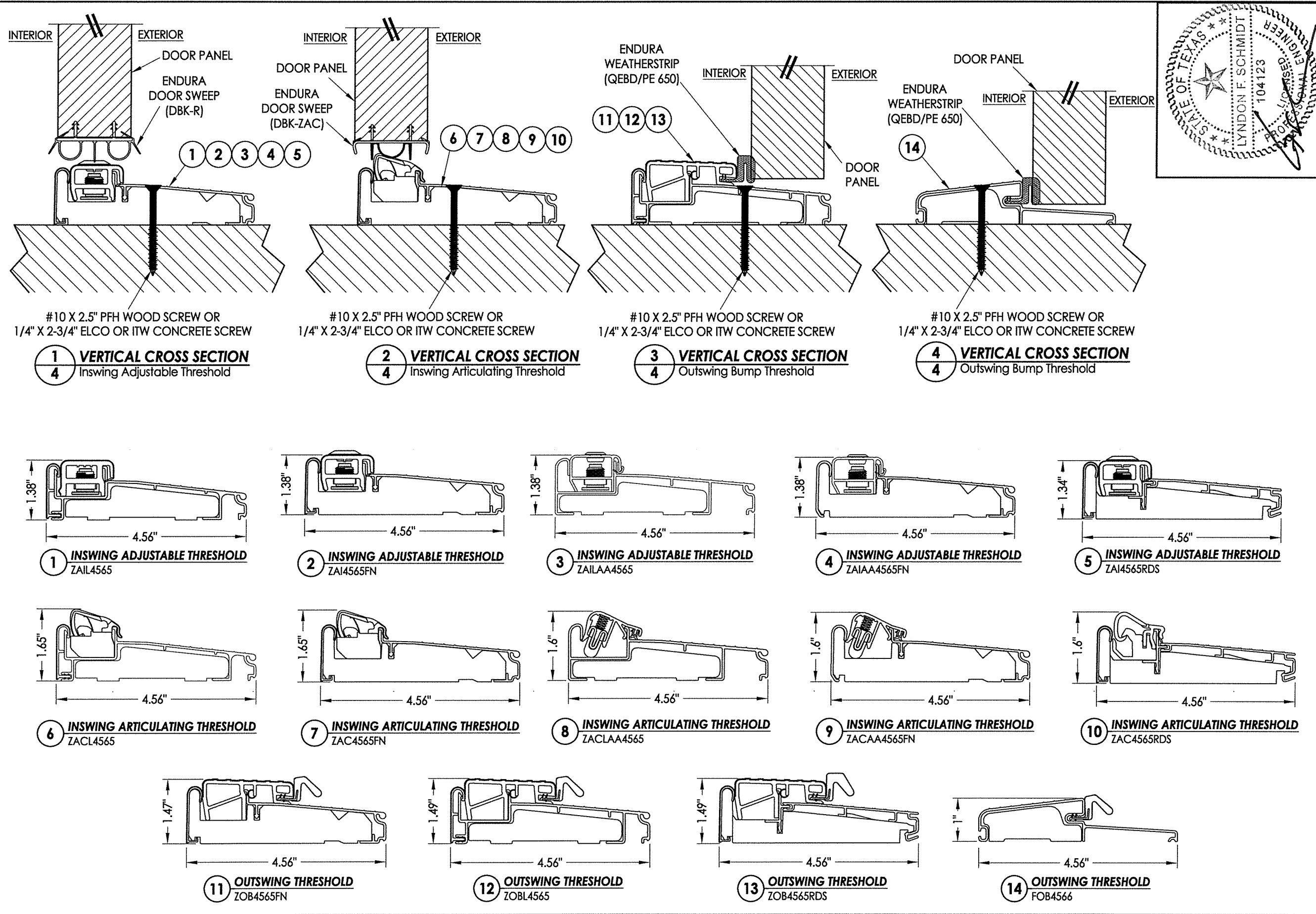
PRODUCT: ENDURA

PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS
1	10/23/19	LFS	ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE

DATE: 11/09/16  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4675  
SHEET 3 of 5

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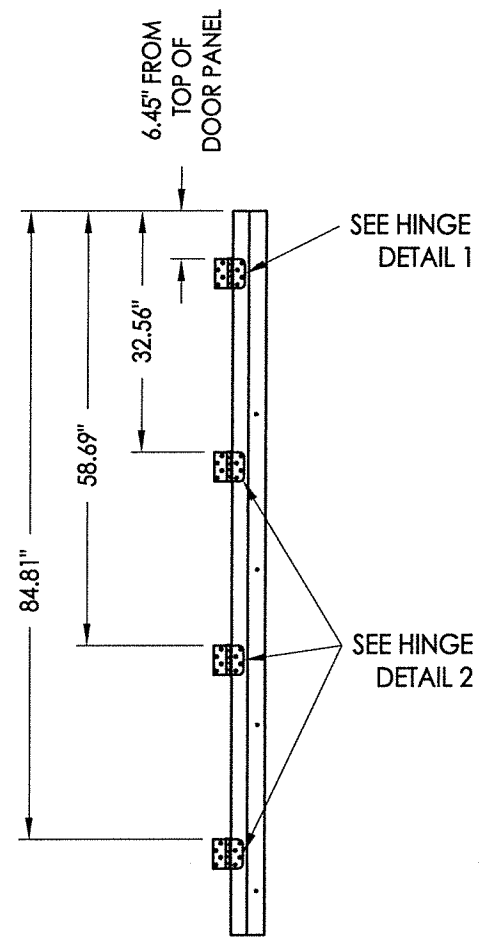
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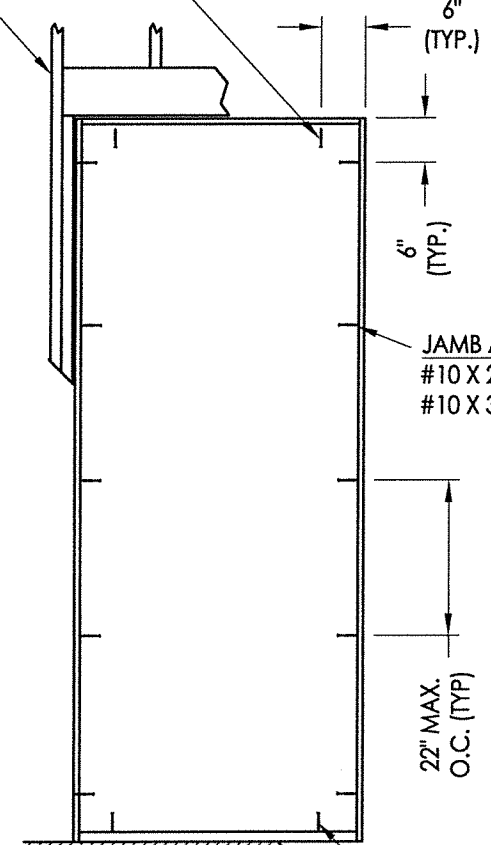
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NO	DATE	BY	REVISIONS
1	10/23/19	LFS	ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE
DATE: 11/09/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4675			
SHEET 4 OF 5			

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**HINGE JAMB**

2X FRAMING (BY OTHERS)  
 HEAD ANCHORS:  
 #10 X 2-1/2" WOOD SCREW (PINE JAMB)  
 #10 X 3" WOOD SCREW (1-PIECE JAMB)

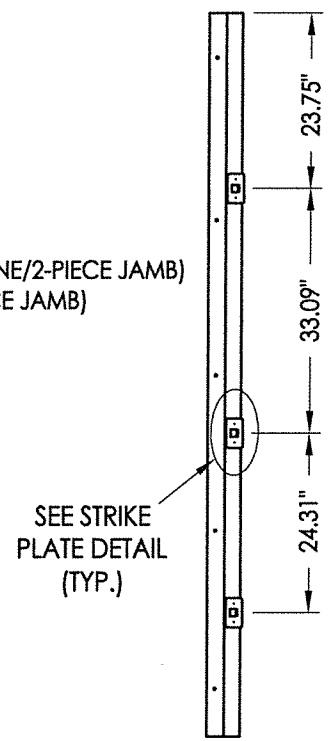


**FRAME ANCHORING**

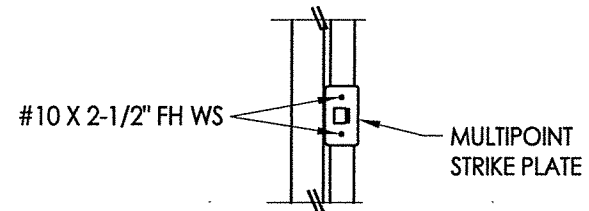
FLOOR SUBSTRATE MATERIAL  
 CONCRETE (MIN. 3000 PSI)  
 WOOD (G >= 0.42)

JAMB ANCHORS:  
 #10 X 2-1/2" WOOD SCREW (PINE/2-PIECE JAMB)  
 #10 X 3" WOOD SCREW (1-PIECE JAMB)

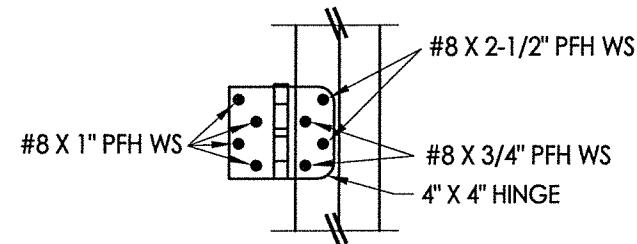
SILL ANCHORS:  
 #10 X 2-1/2" PFH WOOD SCREW  
 1/4" X 2-3/4" ELCO OR  
 ITW CONCRETE SCREW



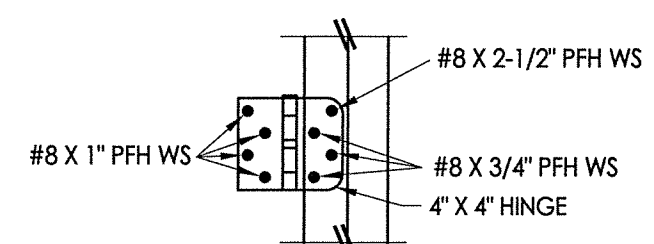
**STRIKE JAMB**



**STRIKE PLATE DETAIL**



**HINGE DETAIL 1**

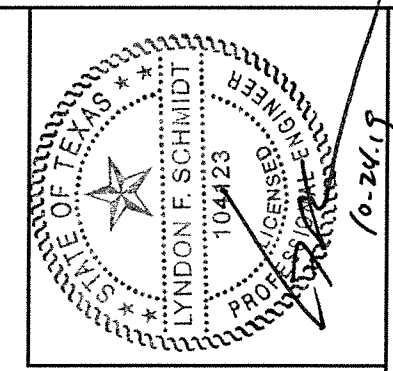


**HINGE DETAIL 2**

**JAMB NOTES:**  
 THE PINE OR "FusionFrame" 1-PIECE JAMB MAY BE INSTALLED @ THE HEAD OR SIDE JAMB.  
 THE FusionFrame" 2-PIECE JAMB MAY BE INSTALLED @ THE SIDE JAMBS ONLY.

- 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"
ELCO ULTRACON®	1/4"	1-3/4"	1"	4"



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PRODUCT:	ENDURA	
PART OR ASSEMBLY:	FRAME ANCHORING	
NO.	DATE	BY
1	10/23/19	LFS
ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		
DATE:	11/09/16	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4675	
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