



Opaque Fiberglass Door

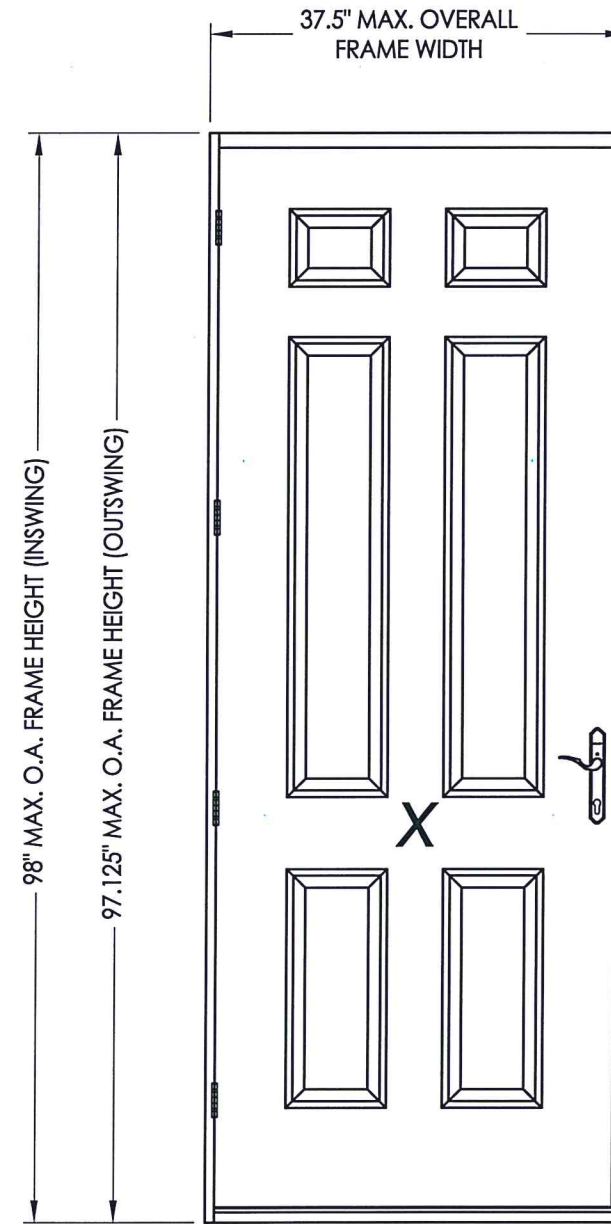
"NON-IMPACT"
IN SWING / OUT SWING

EVALUATED FOR USE IN THE STATE OF TEXAS

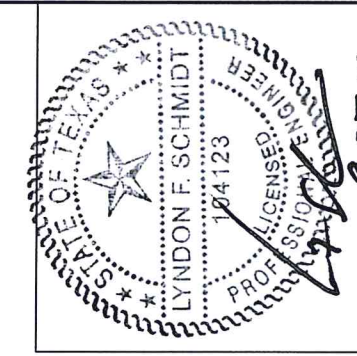
The Fiberglass Door system described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

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 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.

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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	IN SWING	+40.0	-40.0
X	OUT SWING	+40.0	-40.0



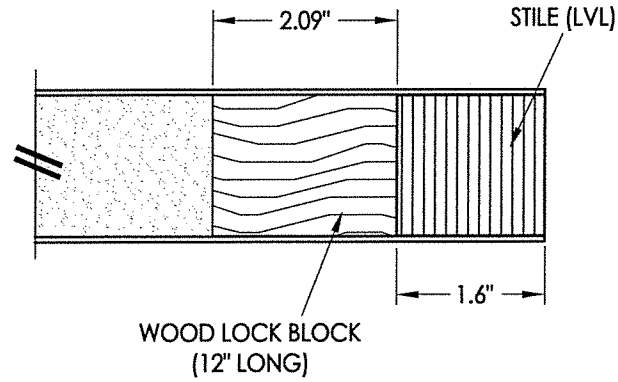
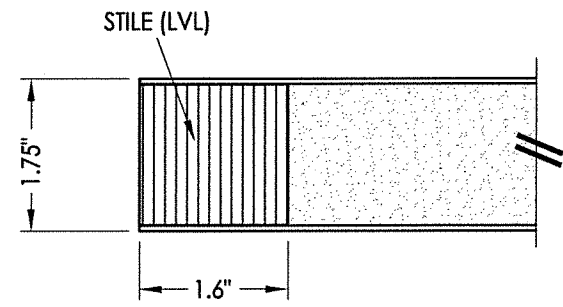
Documents Prepared By: Lyndon F. Schmidt, P.E.
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Phone No.: 813.659.9197

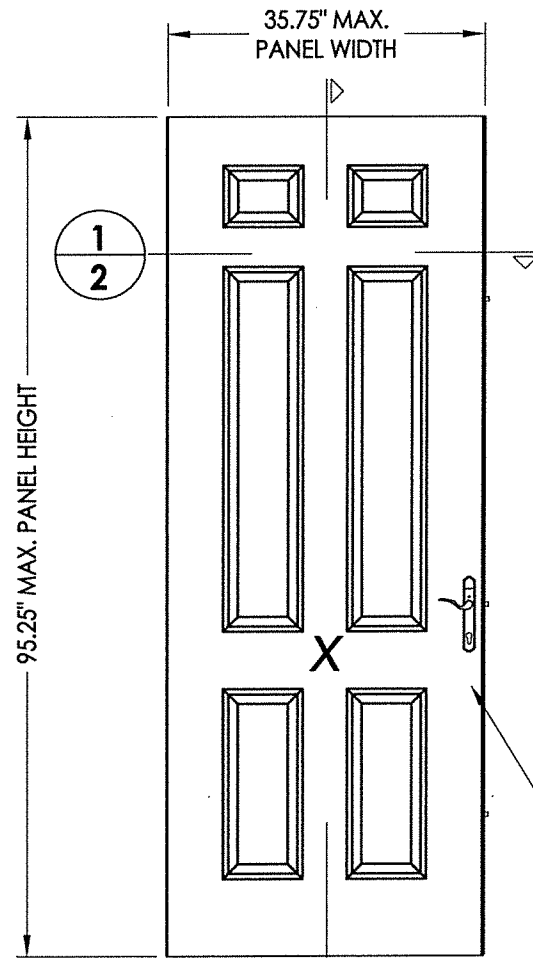
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	ENDURA
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
DATE:	11/14/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4670
SHEET	1 OF 5

R:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-865 (Sub ID 6622) Masonite FG Opaque (Trilennium)\C - Drawings\TX-4667.70.dwg, 2.8

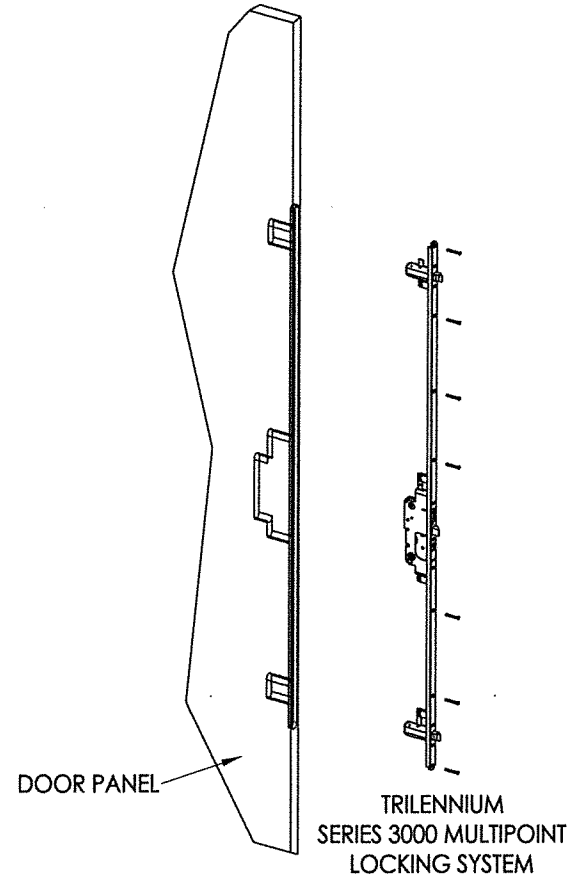


1 HORIZONTAL CROSS SECTION
2



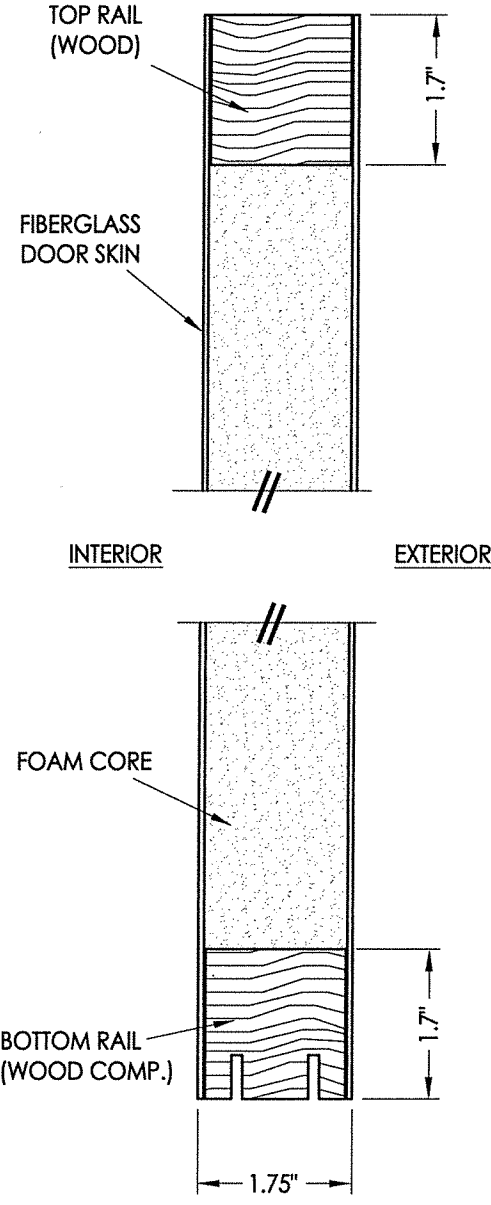
SEE HARDWARE TABLE

2 DOOR PANEL
Masonite
Fiberglass

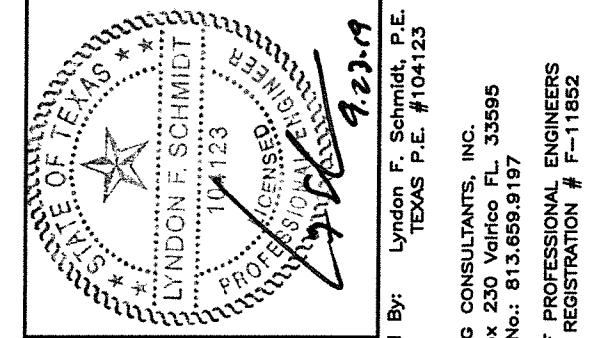


HARDWARE TABLE	
MANUFACTURER	MODEL
Endura	Trilennium® 3000 Series Multipoint lock (3pt.)

DOOR SKIN: FIBERGLASS (0.075" MIN. THICKNESS)
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)



2 VERTICAL CROSS SECTION
2



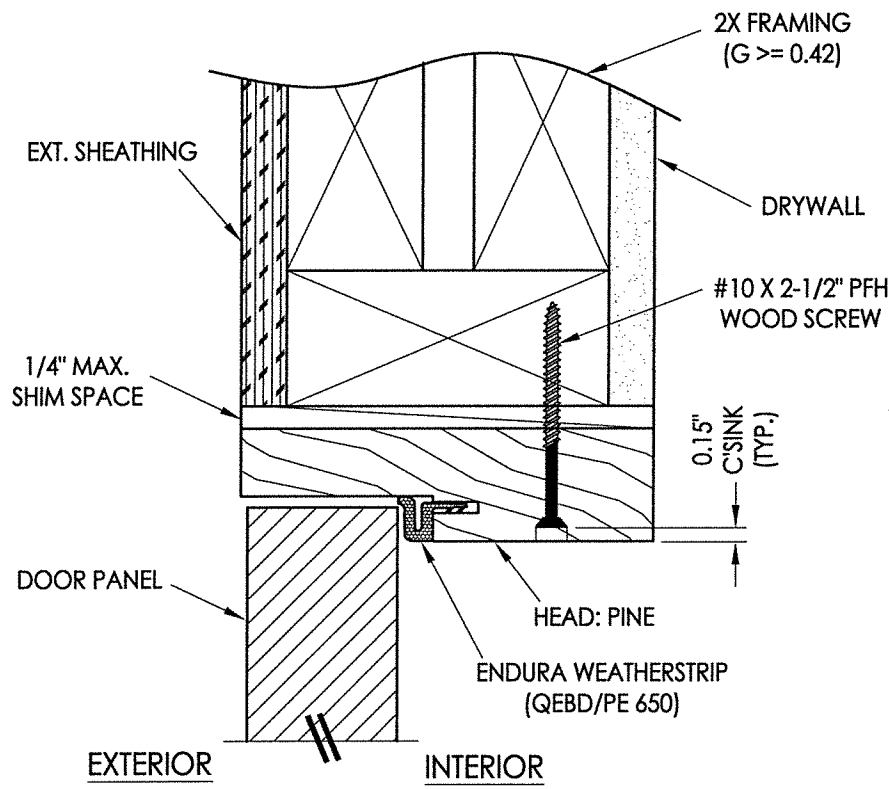
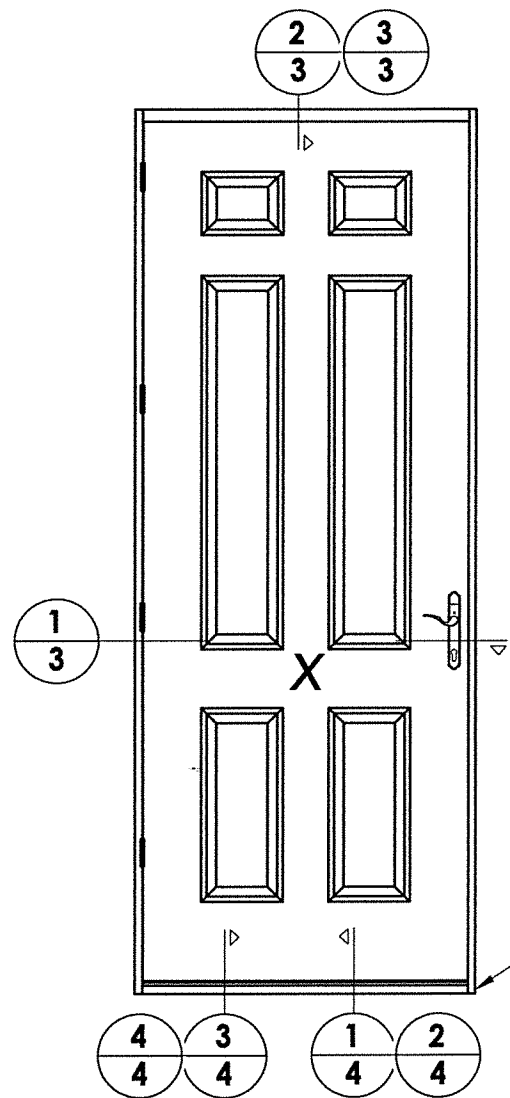
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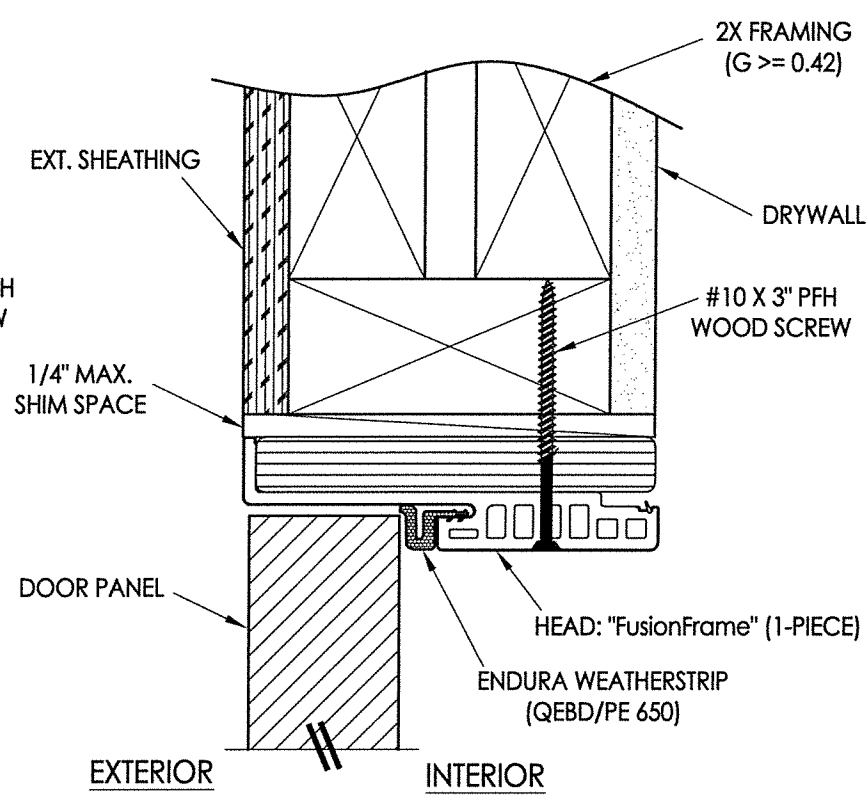
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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	ENDURA		
PART OR ASSEMBLY:	DOOR PANEL DETAILS		
DATE:	11/14/16		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	TX-4670		
SHEET	2 OF 5		
NO.	DATE	BY	REVISIONS
1	9/19/19		ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE

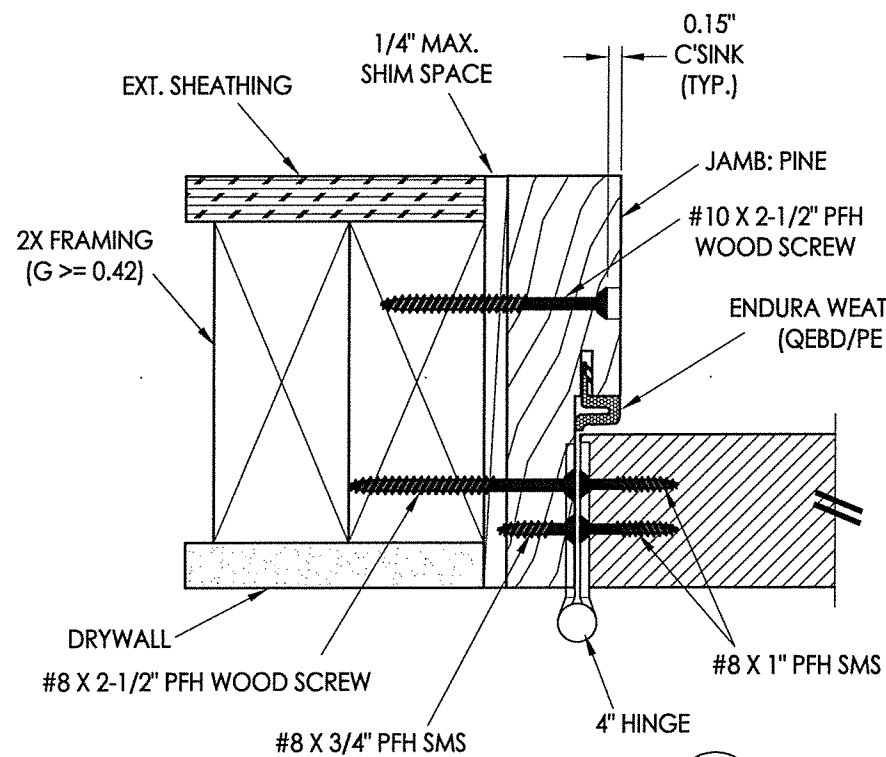
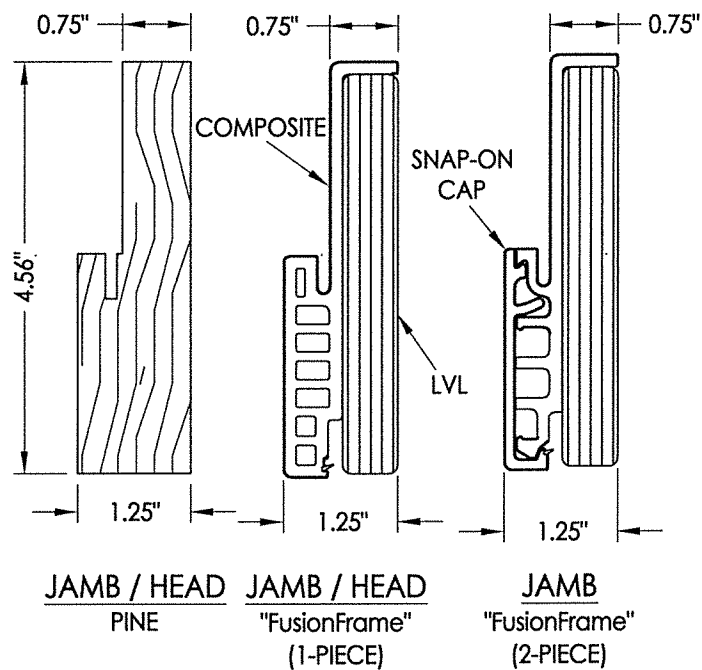
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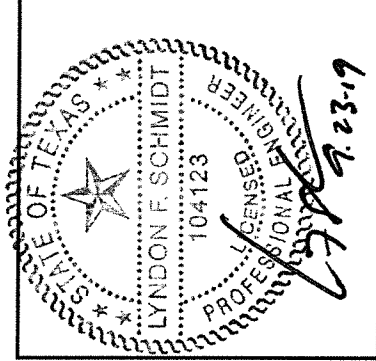
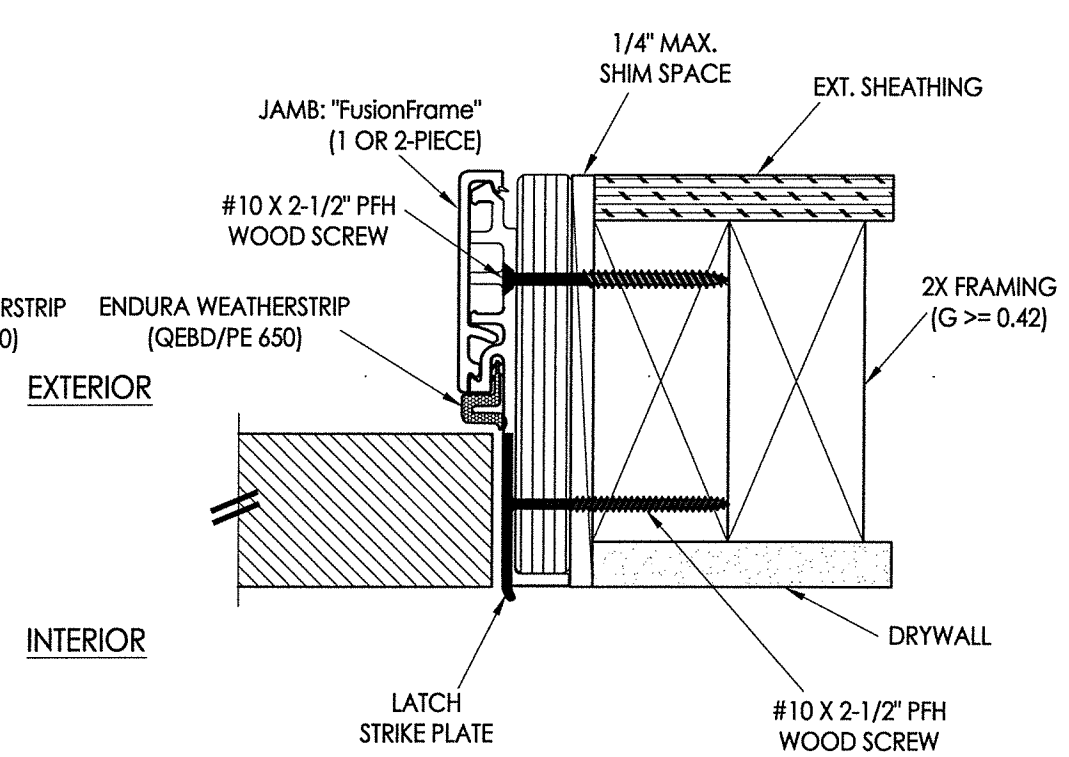
2 VERTICAL CROSS SECTION
 3 Outswing shown - inswing also approved



3 VERTICAL CROSS SECTION
 3 Outswing shown - inswing also approved



1 HORIZONTAL CROSS SECTION
 3 Inswing shown - Outswing also approved

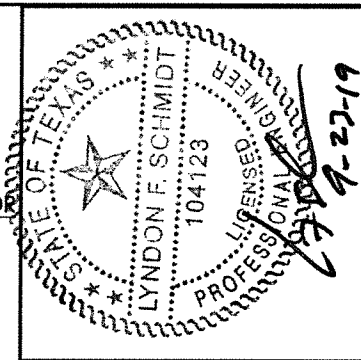
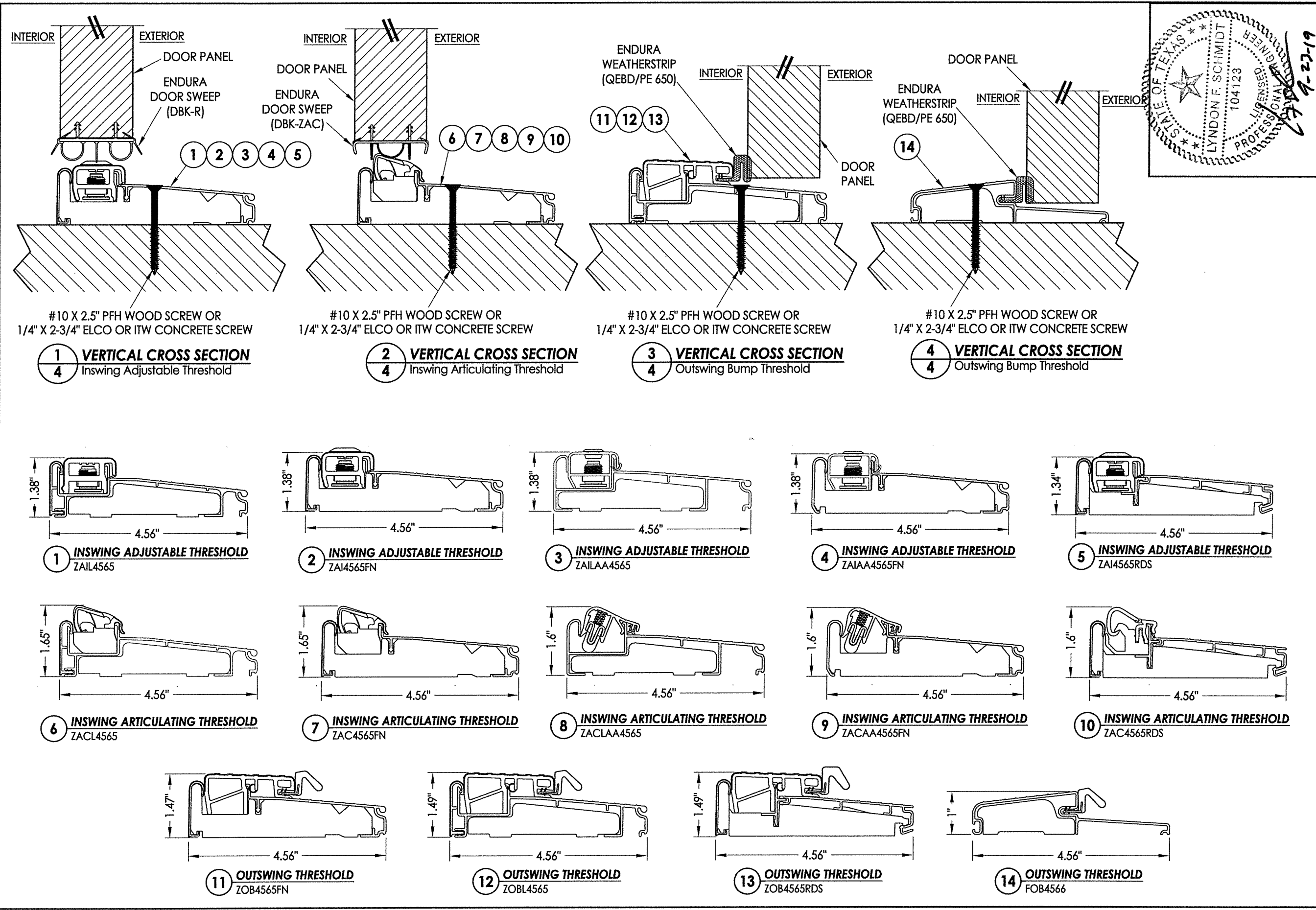


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 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	ENDURA	
PART OR ASSEMBLY:	HORIZONTAL & VERTICAL CROSS SECTIONS	
NO.	DATE	BY
1	9/19/19	LFS
ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		
DATE:	11/14/16	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4670	
SHEET	3	OF 5

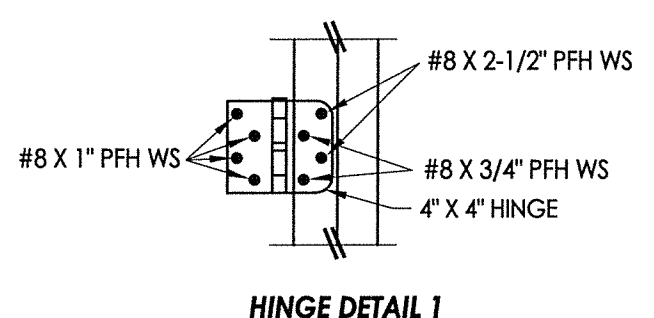
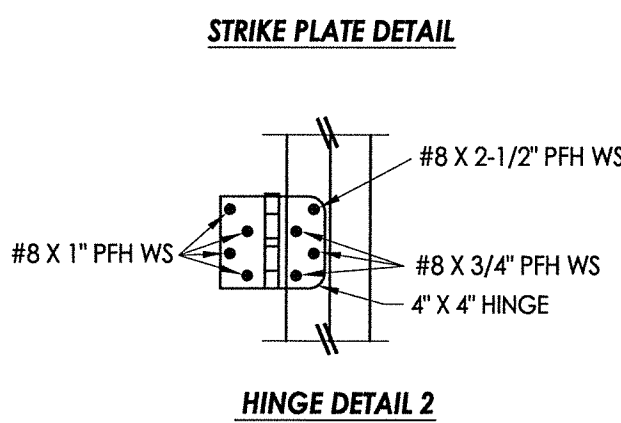
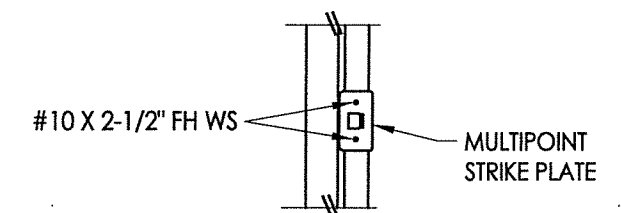
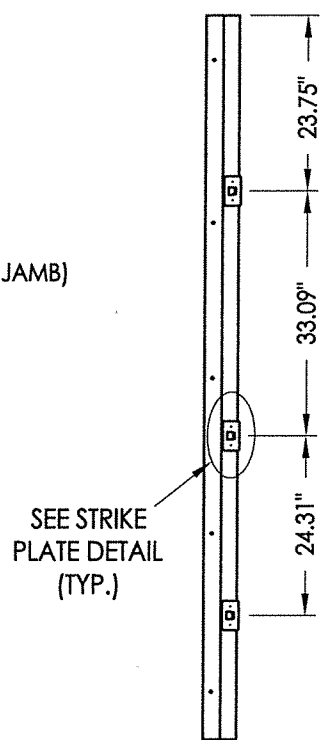
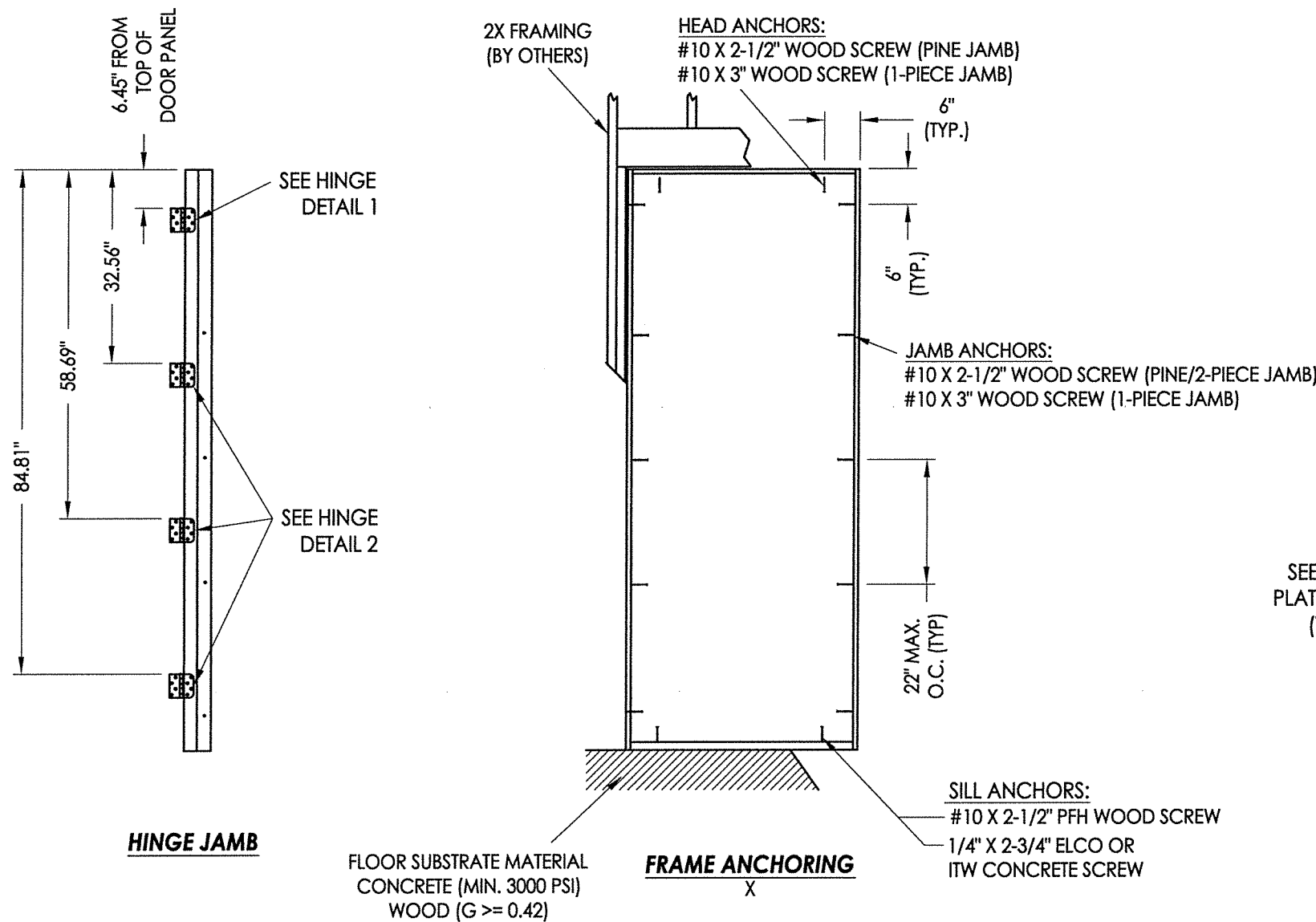


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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ENDURA	
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
NO.	DATE
1	9/19/19
ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE	
LFS	BY
REVISIONS	
DATE: 11/14/16	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: TX-4670	
SHEET 4 OF 5	



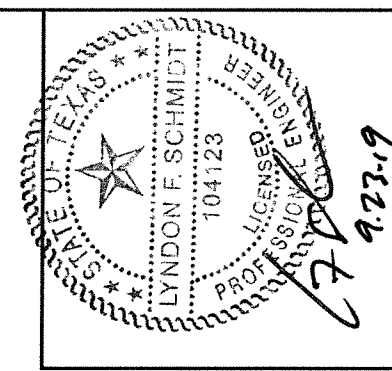
JAMB NOTES:

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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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	ENDURA	
PART OR ASSEMBLY:	FRAME ANCHORING	
NO.	DATE	BY
1	9/19/19	LFS
ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		
DATE:	11/14/16	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4670	
SHEET	5	OF 5