



Glazed Fiberglass Door

"NON-IMPACT"

IN SWING / OUT SWING

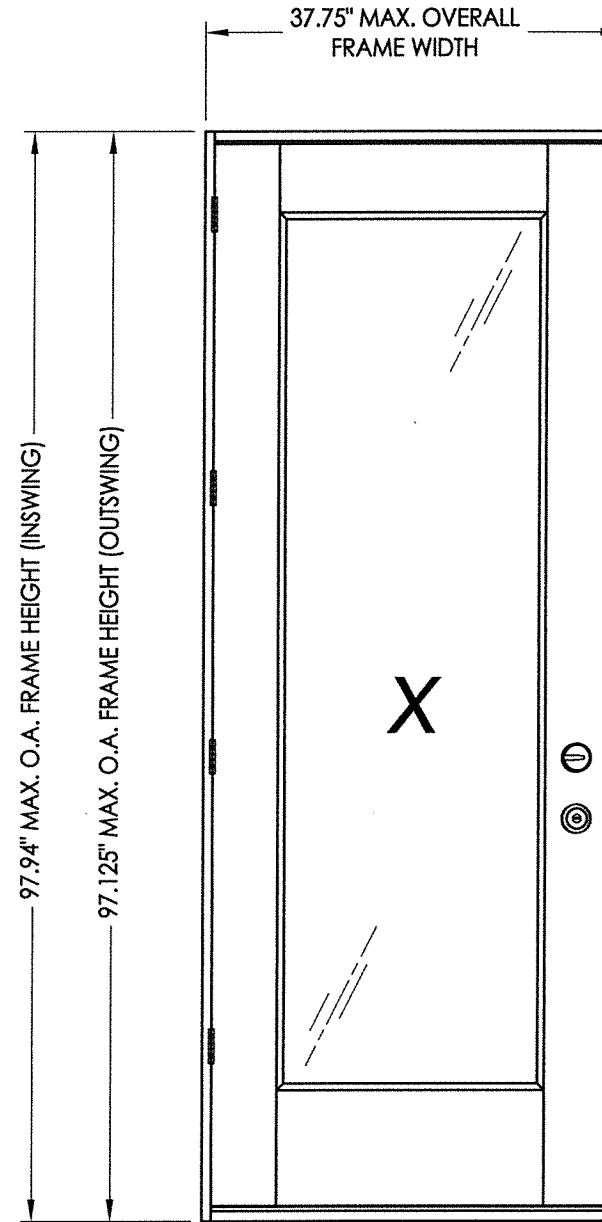
EVALUATED FOR USE IN THE STATE OF TEXAS

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:

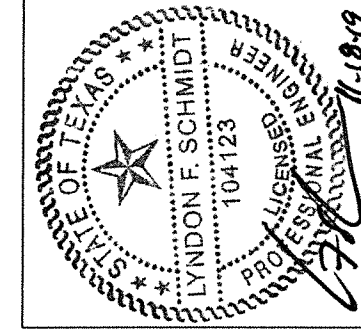
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. When used in areas requiring wind-borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 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 (flush glazing)
3	Horizontal & vertical cross sections
4	Vertical cross sections
5	Frame anchoring



CONFIG.	MODEL	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
X	IN SWING	+40.0	-45.0
	OUT SWING	+40.0	-40.0



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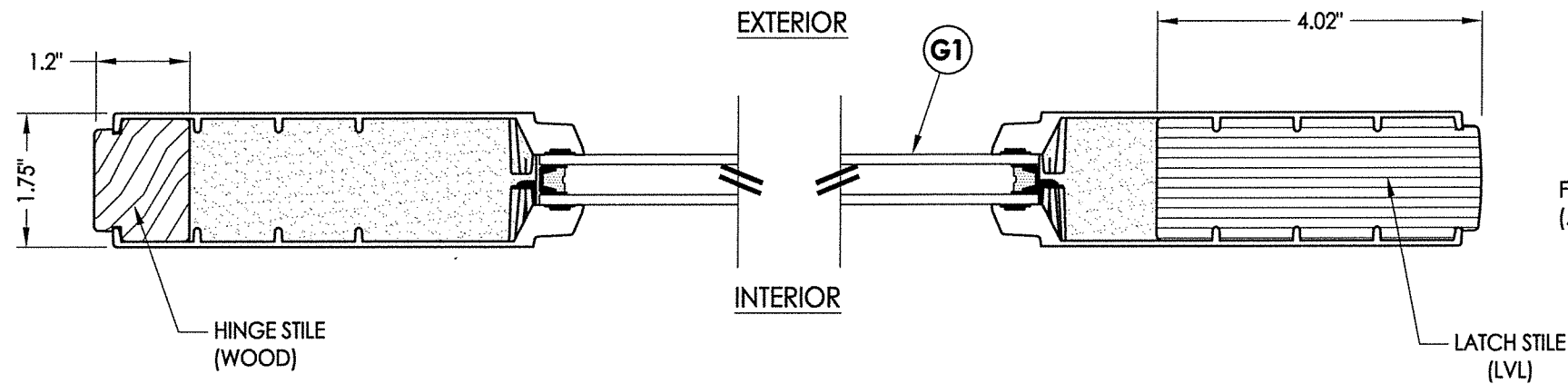
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ENDURA

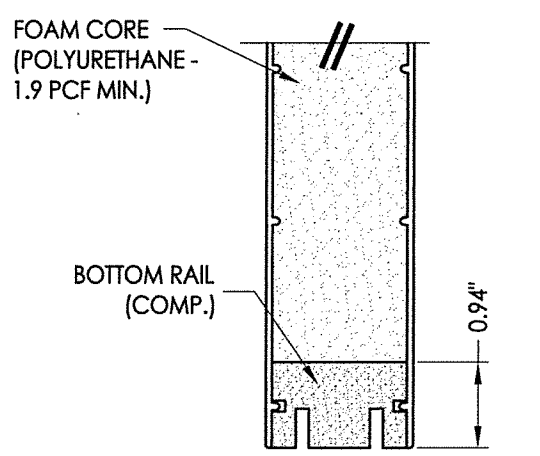
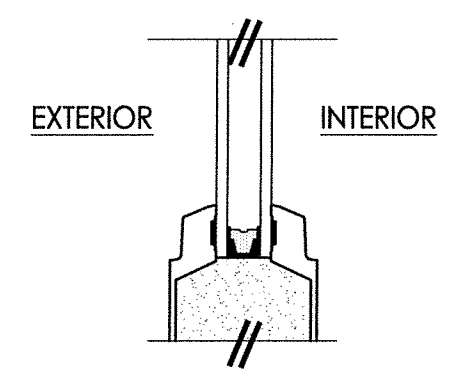
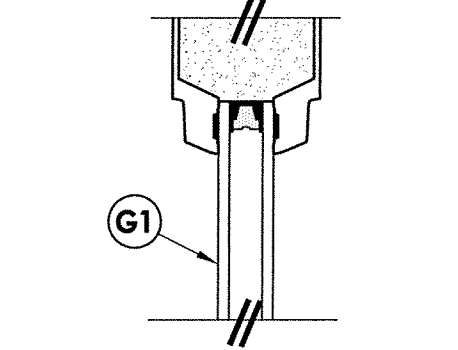
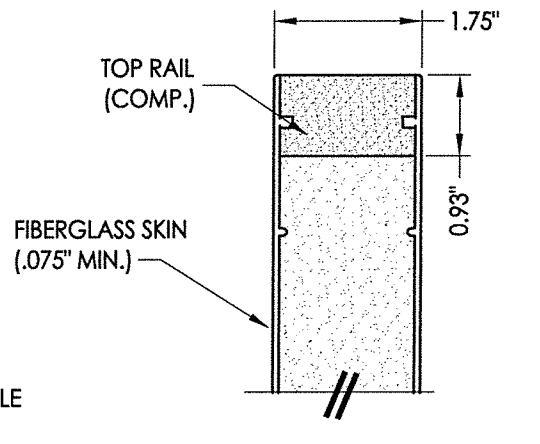
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS
2	11/18/19	ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE
1	9/05/18	ADDED ADDITIONAL THRESHOLDS

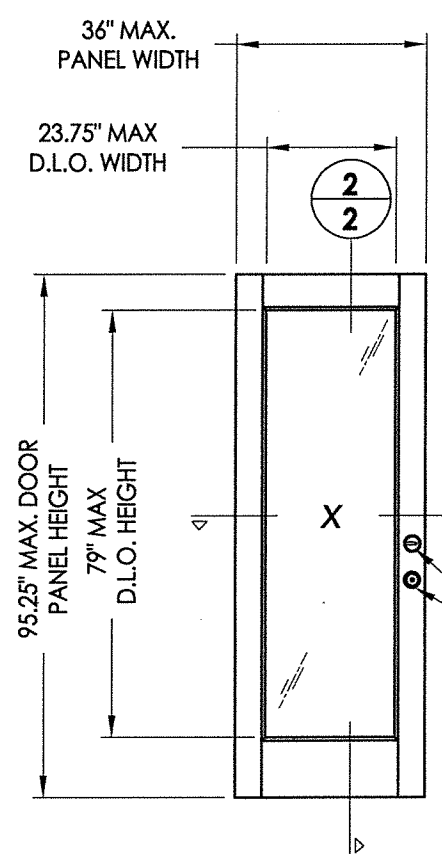
DATE: 1/07/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4424
SHEET 1 OF 5



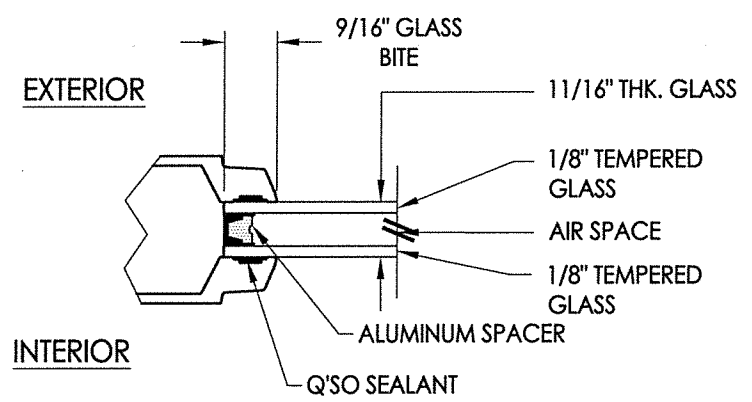
1
2 HORIZONTAL CROSS SECTION



2
2 VERTICAL CROSS SECTION

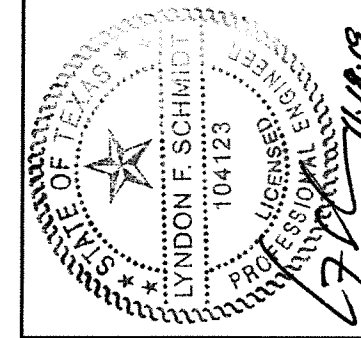


THERMA TRU - Flush Glazed
Door/Sidelite Panel
(fiberglass)



G1 GLAZING DETAIL

HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	LATCH: KWIKSET SIGNATURE SERIES (991) DEADBOLT: KWIKSET SIGNATURE SERIES (980/985)



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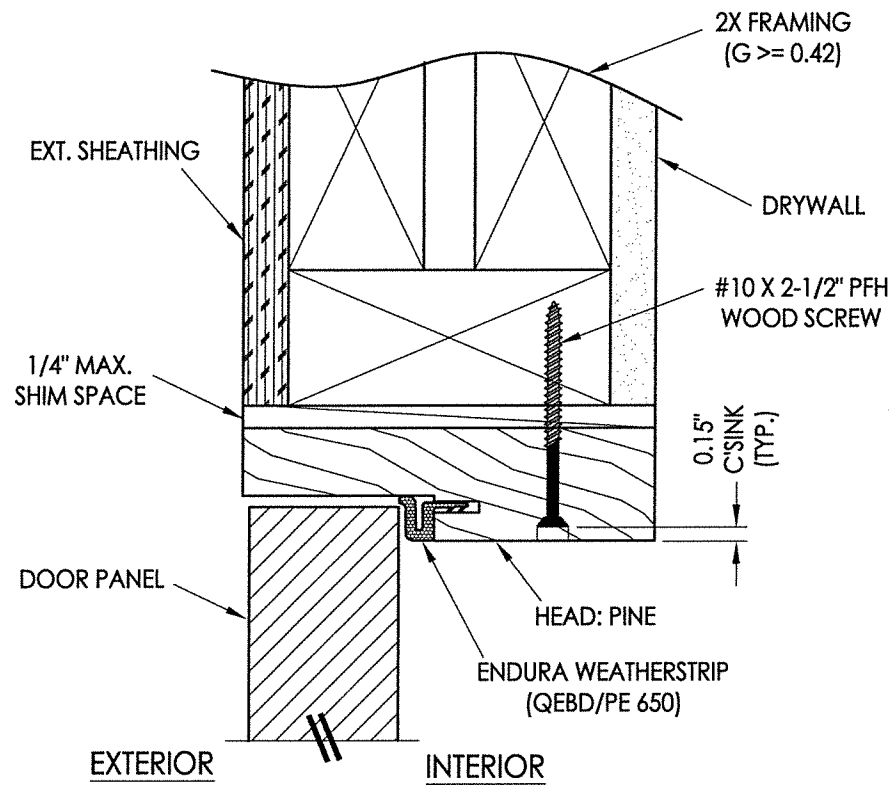
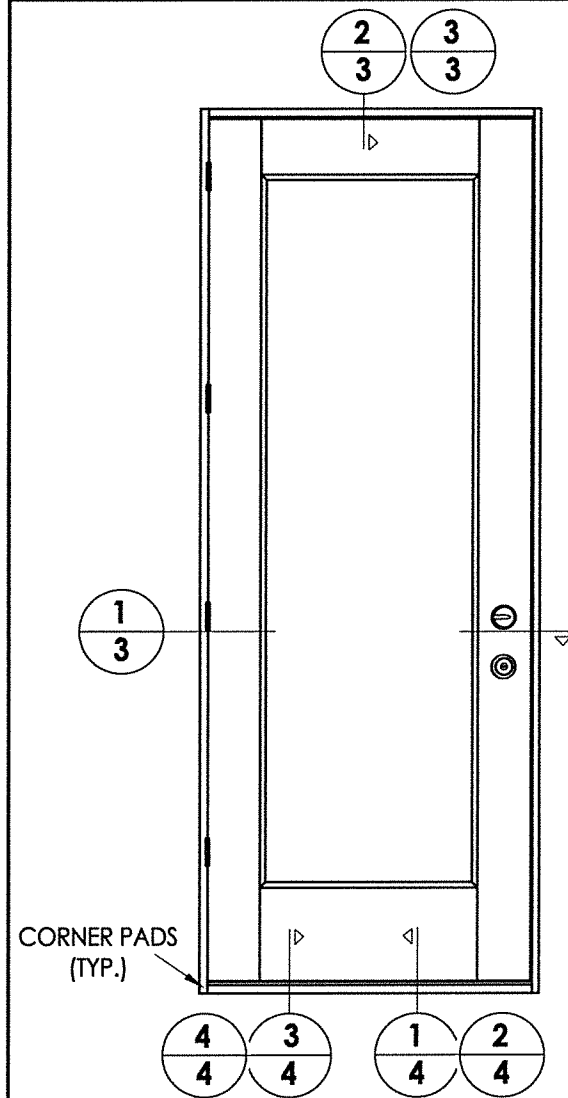
PRODUCT: ENDURA

PART OR ASSEMBLY: DOOR PANEL DETAILS (FLUSH GLAZING)

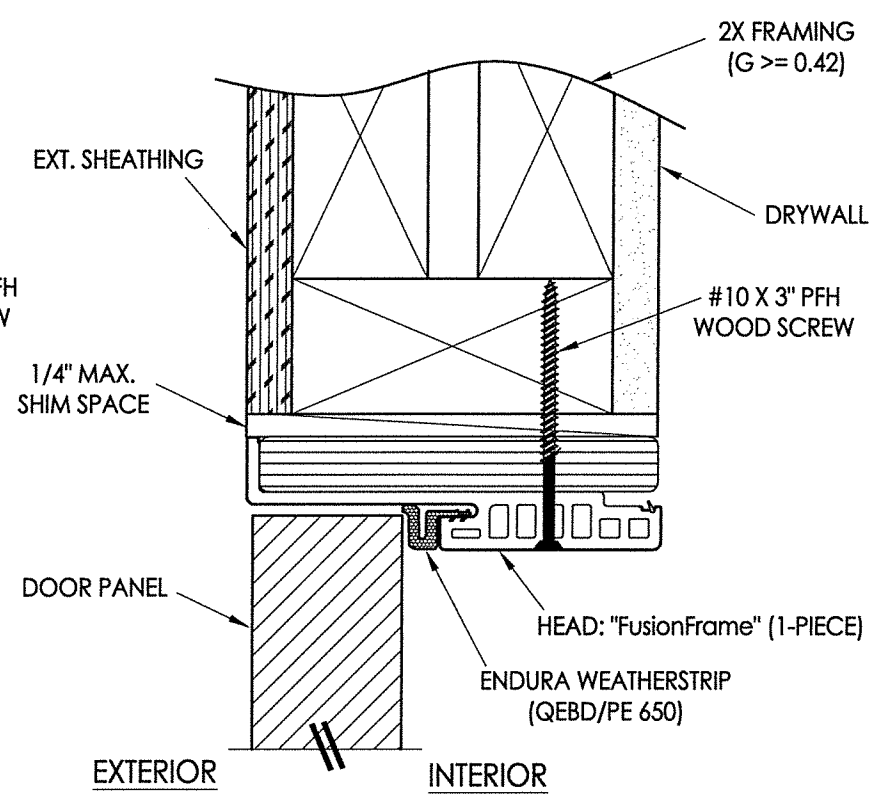
NO.	DATE	BY	REVISIONS
2	11/18/19	LFS	ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE
1	9/05/18	LFS	ADDED ADDITIONAL THRESHOLDS

DATE: 1/07/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4424
SHEET 2 OF 5

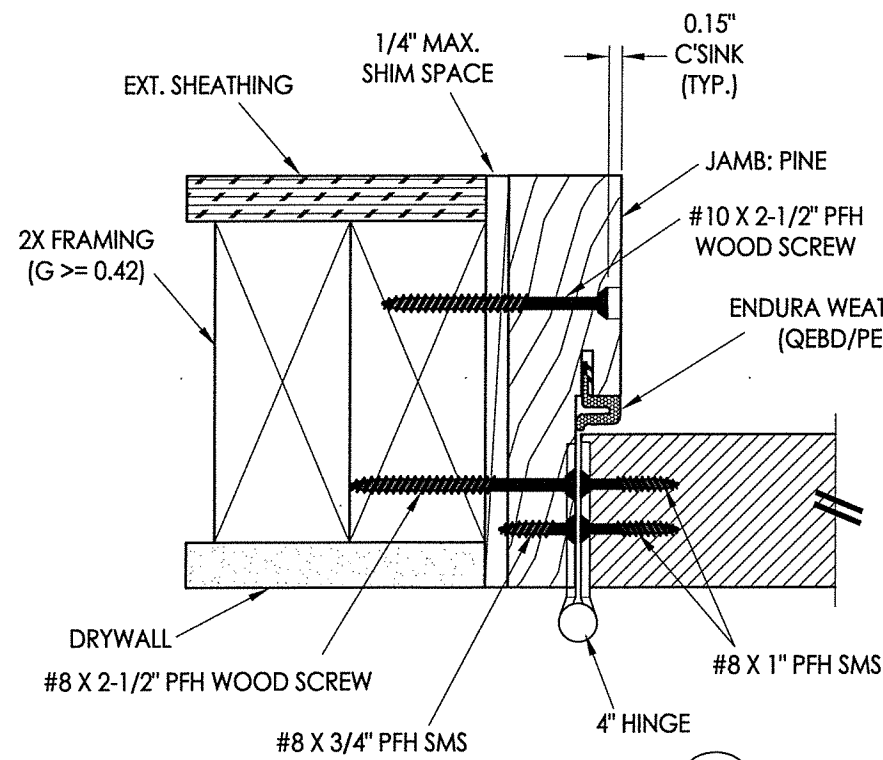
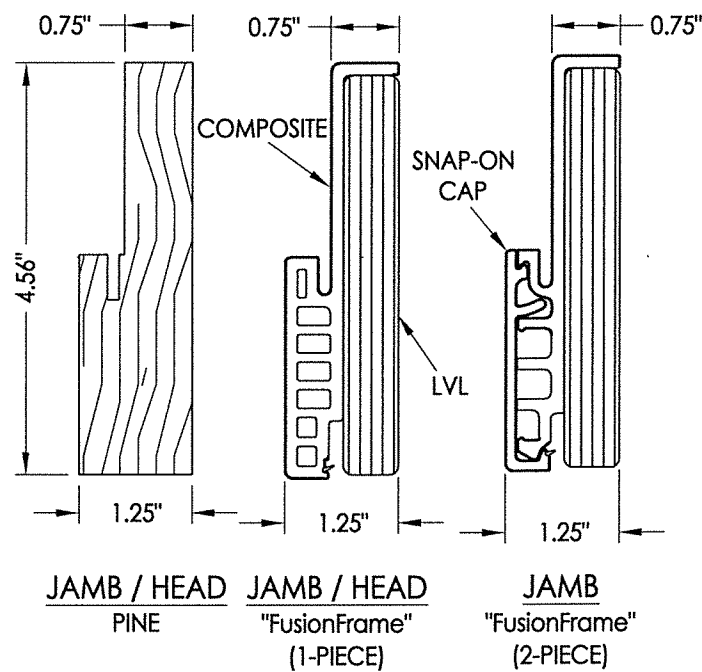
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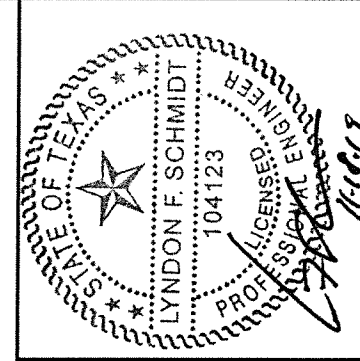
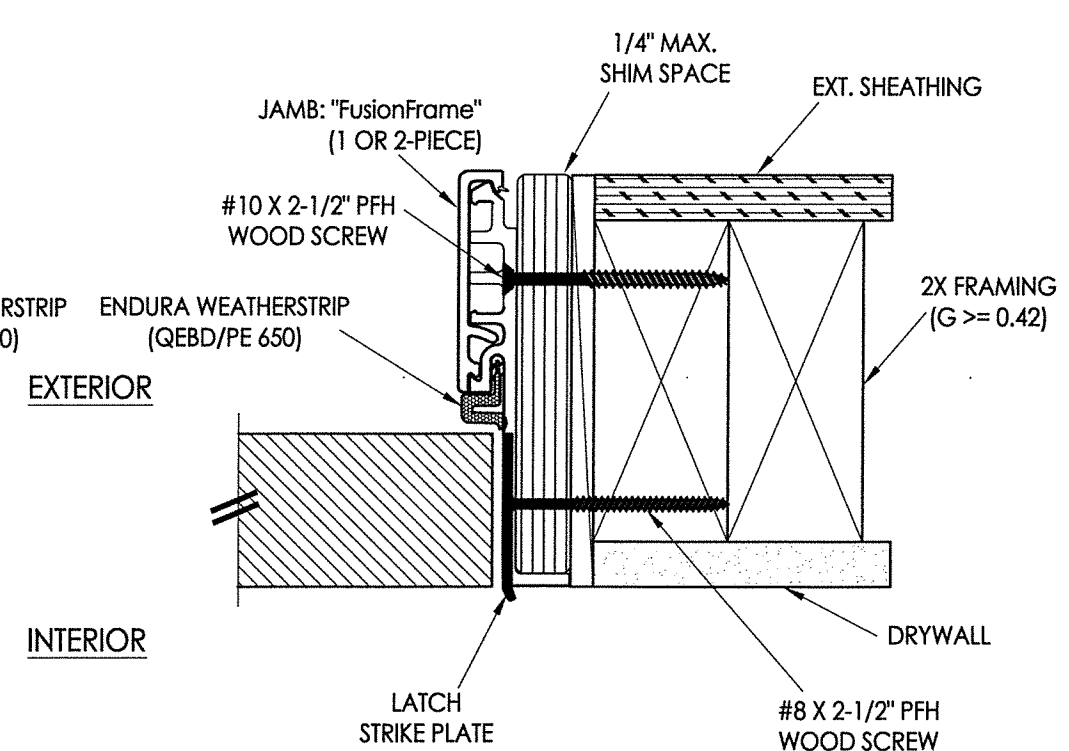
2 VERTICAL CROSS SECTION
3 Outswing shown - inswing also approved



3 VERTICAL CROSS SECTION
3 Outswing shown - inswing also approved



1 HORIZONTAL CROSS SECTION
3 Inswing shown - Outswing also approved



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TEXAS BOARD OF PROFESSIONAL ENGINEERS
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PRODUCT: ENDURA

PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY
2	11/18/19	ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE	LFS
1	9/05/18	ADDED ADDITIONAL THRESHOLDS	LFS

DATE: 1/07/14

SCALE: N.T.S.

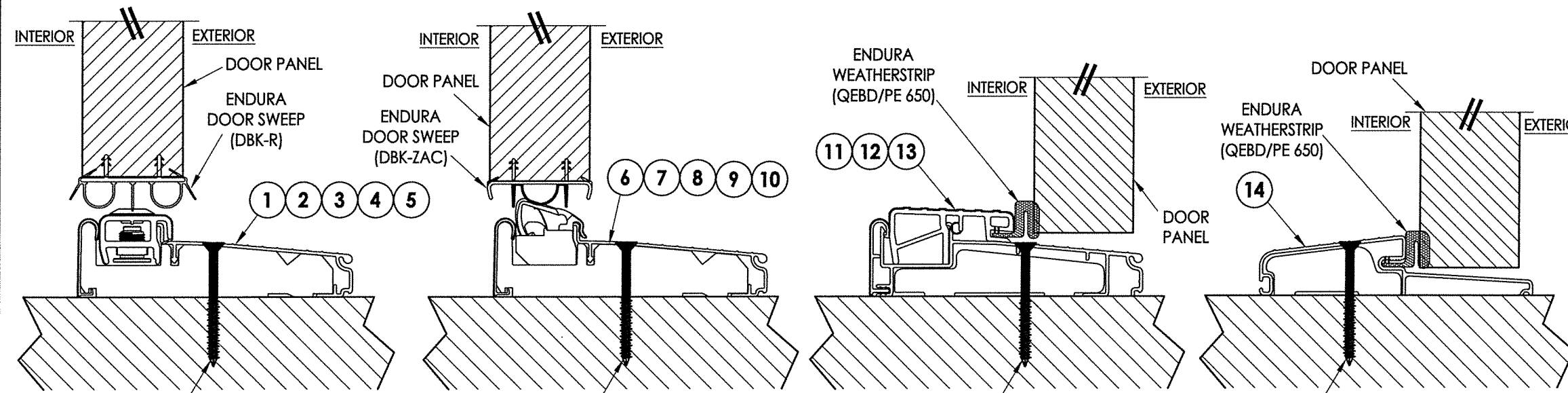
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CHK. BY: LFS

DRAWING NO.: TX-4424

SHEET 3 of 5

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#10 X 2.5" PFH WOOD SCREW OR
1/4" X 2-3/4" ELCO OR ITW CONCRETE SCREW

1 VERTICAL CROSS SECTION
4 Inswing Adjustable Threshold

#10 X 2.5" PFH WOOD SCREW OR
1/4" X 2-3/4" ELCO OR ITW CONCRETE SCREW

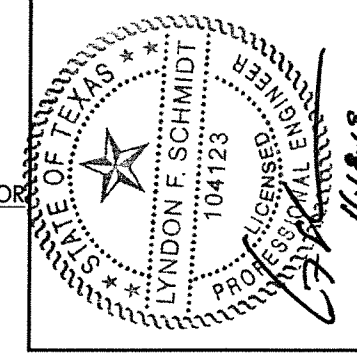
2 VERTICAL CROSS SECTION
4 Inswing Articulating Threshold

#10 X 2.5" PFH WOOD SCREW OR
1/4" X 2-3/4" ELCO OR ITW CONCRETE SCREW

3 VERTICAL CROSS SECTION
4 Outswing Bump Threshold

#10 X 2.5" PFH WOOD SCREW OR
1/4" X 2-3/4" ELCO OR ITW CONCRETE SCREW

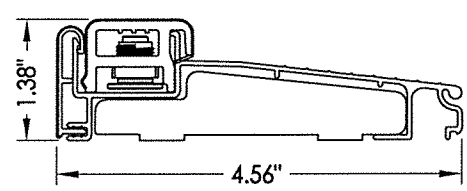
4 VERTICAL CROSS SECTION
4 Outswing Bump Threshold



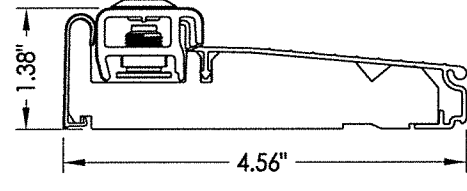
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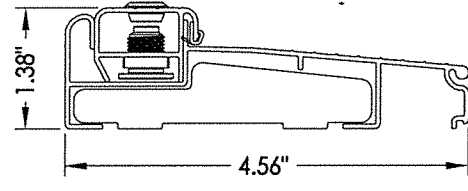
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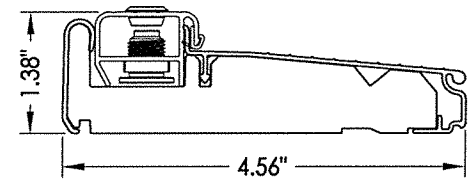
1 INSWING ADJUSTABLE THRESHOLD
ZAIL4565



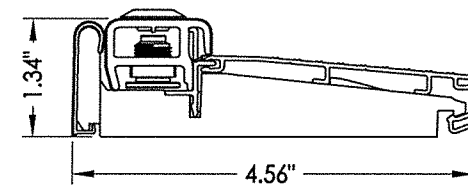
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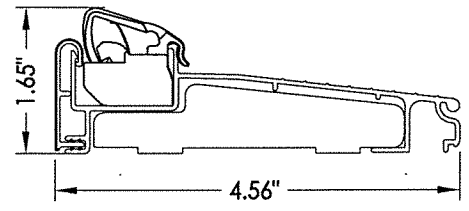
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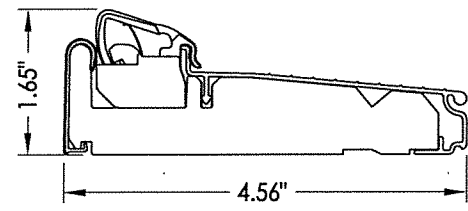
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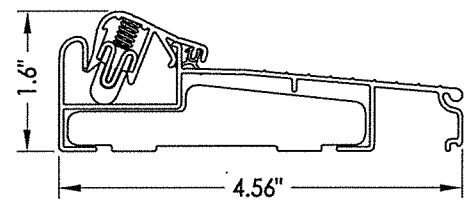
5 INSWING ADJUSTABLE THRESHOLD
ZAI4565RDS



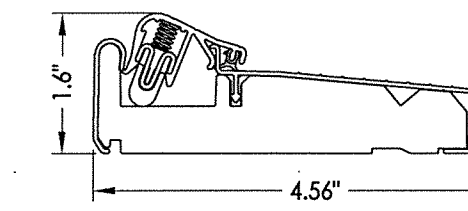
6 INSWING ARTICULATING THRESHOLD
ZACL4565



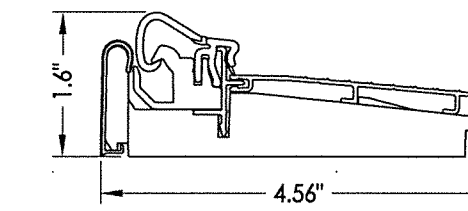
7 INSWING ARTICULATING THRESHOLD
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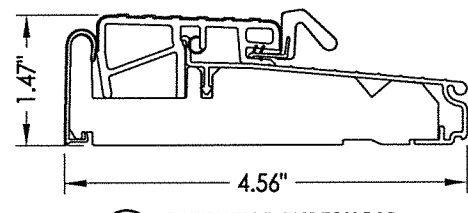
8 INSWING ARTICULATING THRESHOLD
ZACLAA4565



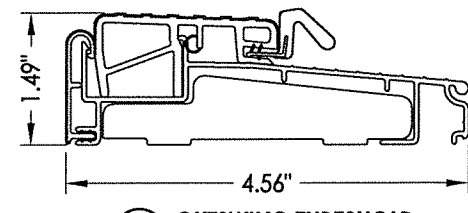
9 INSWING ARTICULATING THRESHOLD
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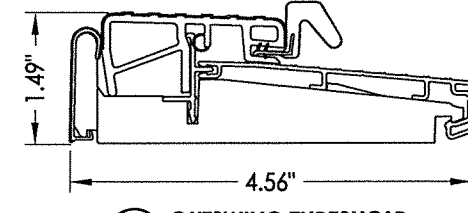
10 INSWING ARTICULATING THRESHOLD
ZAC4565RDS



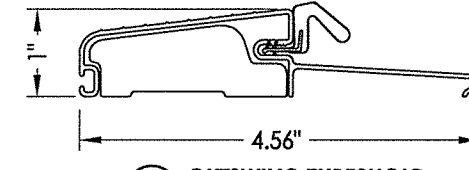
11 OUTSWING THRESHOLD
ZOB4565FN



12 OUTSWING THRESHOLD
ZOBL4565



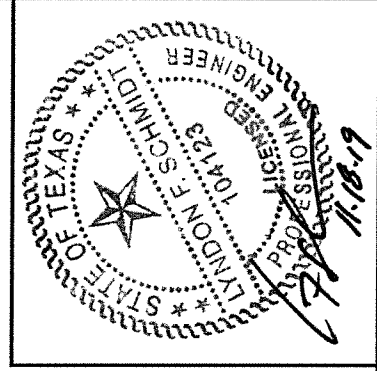
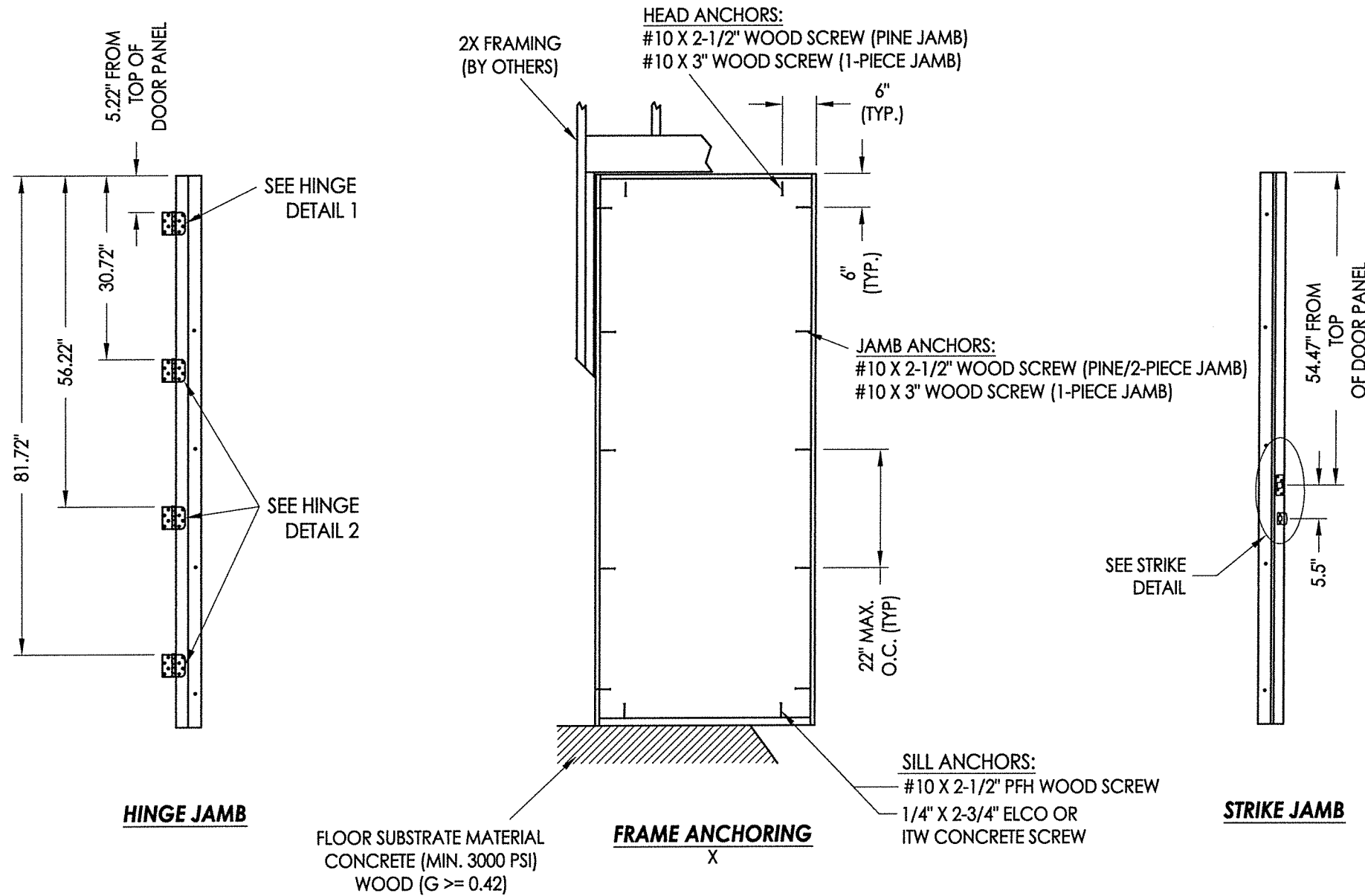
13 OUTSWING THRESHOLD
ZOB4565RDS



14 OUTSWING THRESHOLD
FOB4566

PRODUCT: ENDURA		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
2	11/18/19	LFS	ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE
1	9/05/18	LFS	ADDED ADDITIONAL THRESHOLDS
DATE: 1/07/14			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4424			
SHEET 4 OF 5			

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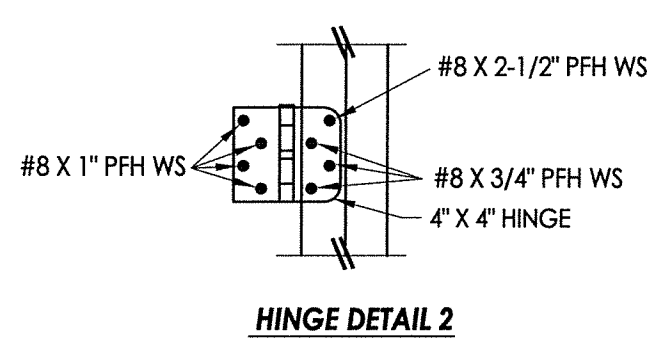
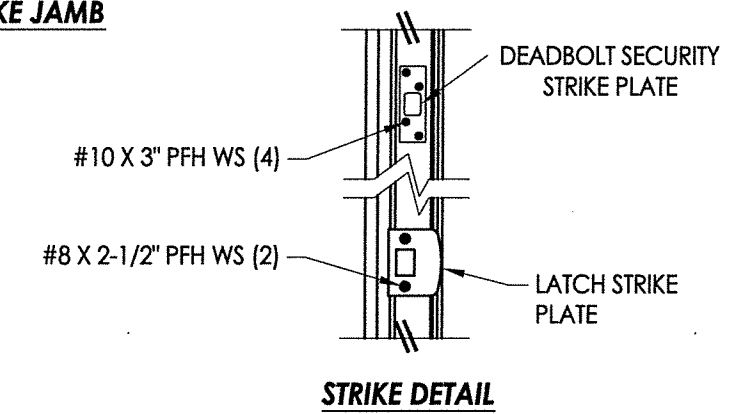
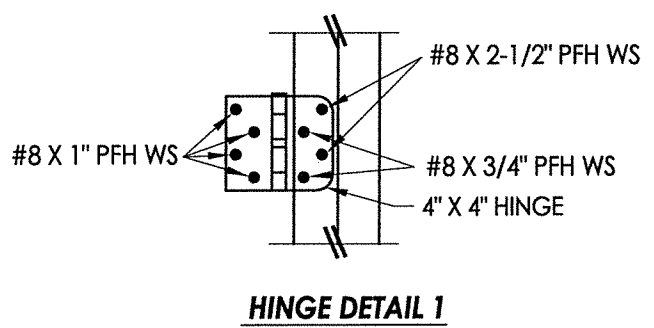
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JAMB NOTES:
THE PINE OR "FusionFrame" 1-PIECE JAMB MAY BE INSTALLED @ THE HEAD OR SIDE JAMB.
THE FusionFrame" 2-PIECE JAMB MAY BE INSTALLED @ THE SIDE JAMBS ONLY.

- 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"



PRODUCT:	ENDURA	
PART OR ASSEMBLY:	FRAME ANCHORING	
NO.	DATE	BY
2	11/18/19	LFS
1	9/05/18	LFS
ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE		
ADDED ADDITIONAL THRESHOLDS		
REVISIONS		
DATE:	1/07/14	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4424	
SHEET	5 OF 5	