



Glazed Fiberglass Single Door w/ Sidelites

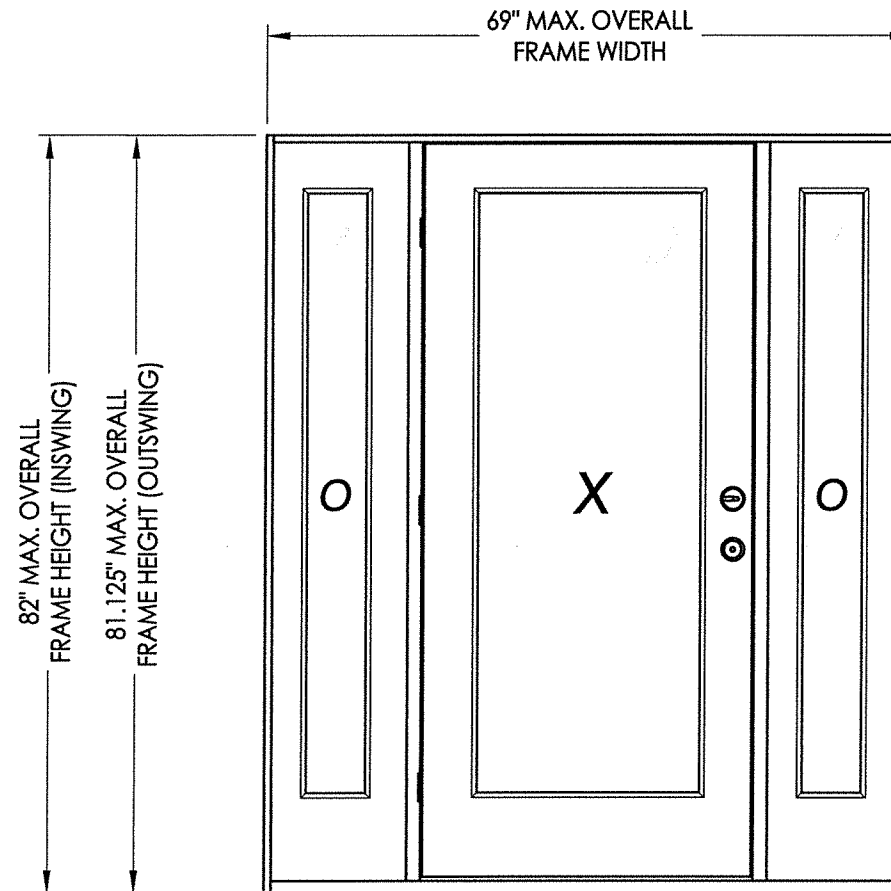
CONTINUOUS HEAD & SILL FRAME SYSTEM
IN SWING / OUT SWING
"NON-IMPACT"

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:

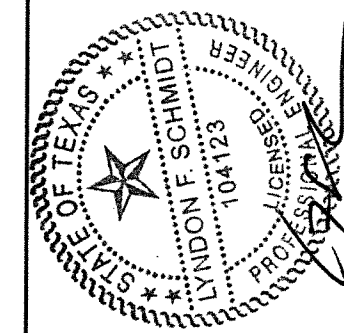
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. When used in areas requiring wind-borne debris protection this product is required to be protected with an impact resistant covering that complies with Section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



MODEL	DESIGN PRESSURE (PSF) w/ PINE FRAME & FATBOY PINE MULLIONS		DESIGN PRESSURE (PSF) w/ "FusionFrame" FRAME & MULLIONS	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
IN SWING	+65.0	-70.0	+50.0	-50.0
OUT SWING	+50.0	-50.0	+50.0	-50.0

SEE SHEET 6 FOR THRESHOLD DESIGN PRESSURE LIMITATIONS

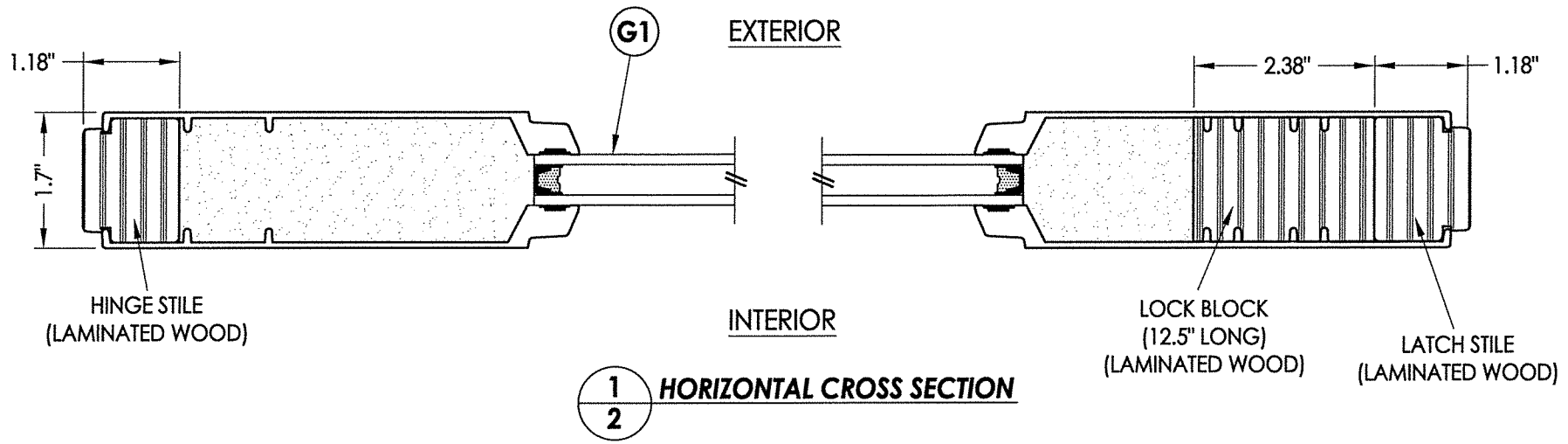


11.19.19
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

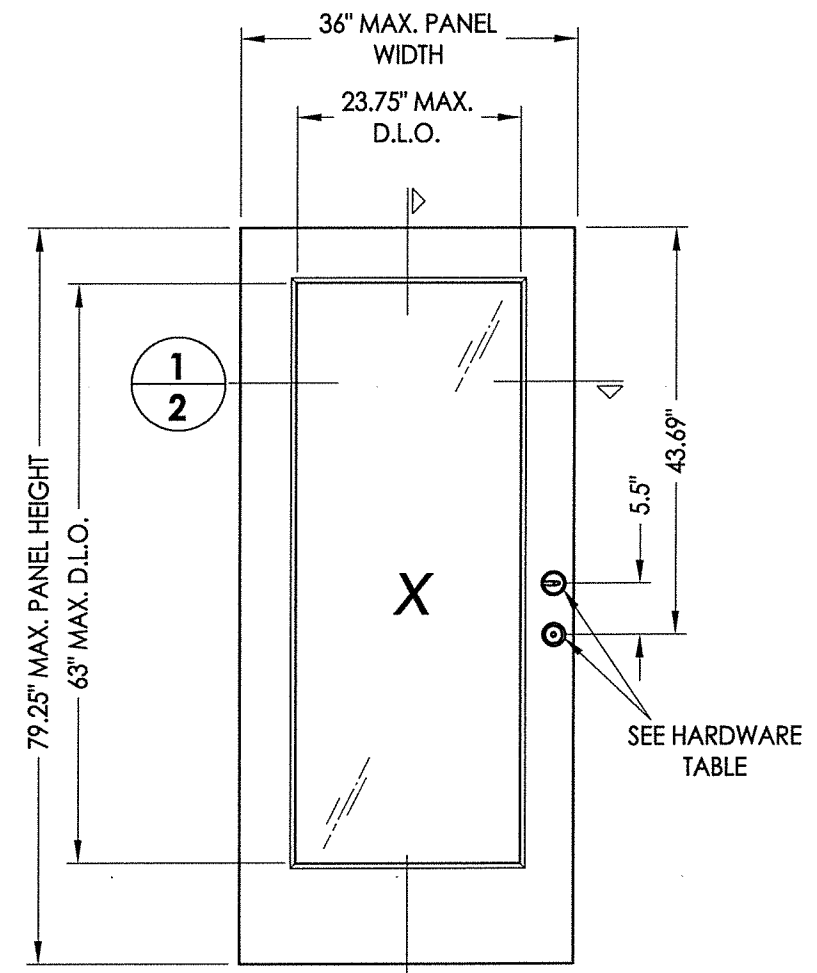
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	ENDURA	
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE	BY
1	11/19/19	LFS
ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		
DATE: 12/05/17		
SCALE: N.T.S.		
DWG. BY: JK		
CHK. BY: LFS		
DRAWING NO.: TX-4757		
SHEET 1 OF 7		

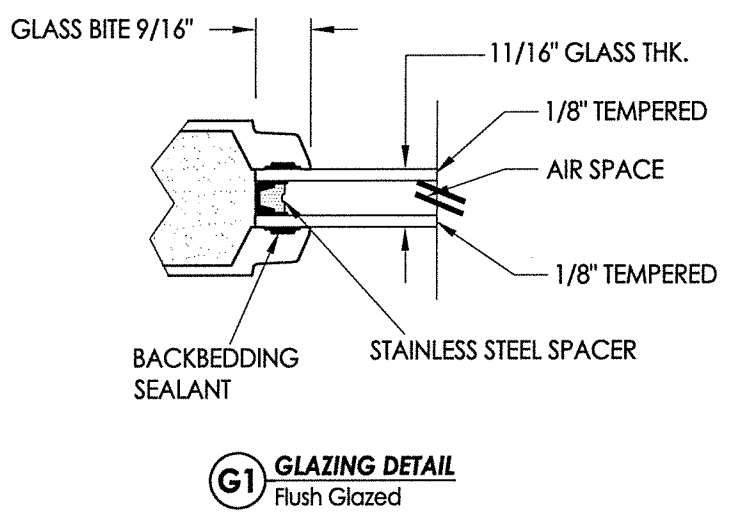
R:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-956 Glazed Thermo-Tru FG door OXO (LK, DB) 14 in SL (4757-4758)\C - Drawings\TX-4757.58.dwg, 2.3



1
2 **HORIZONTAL CROSS SECTION**

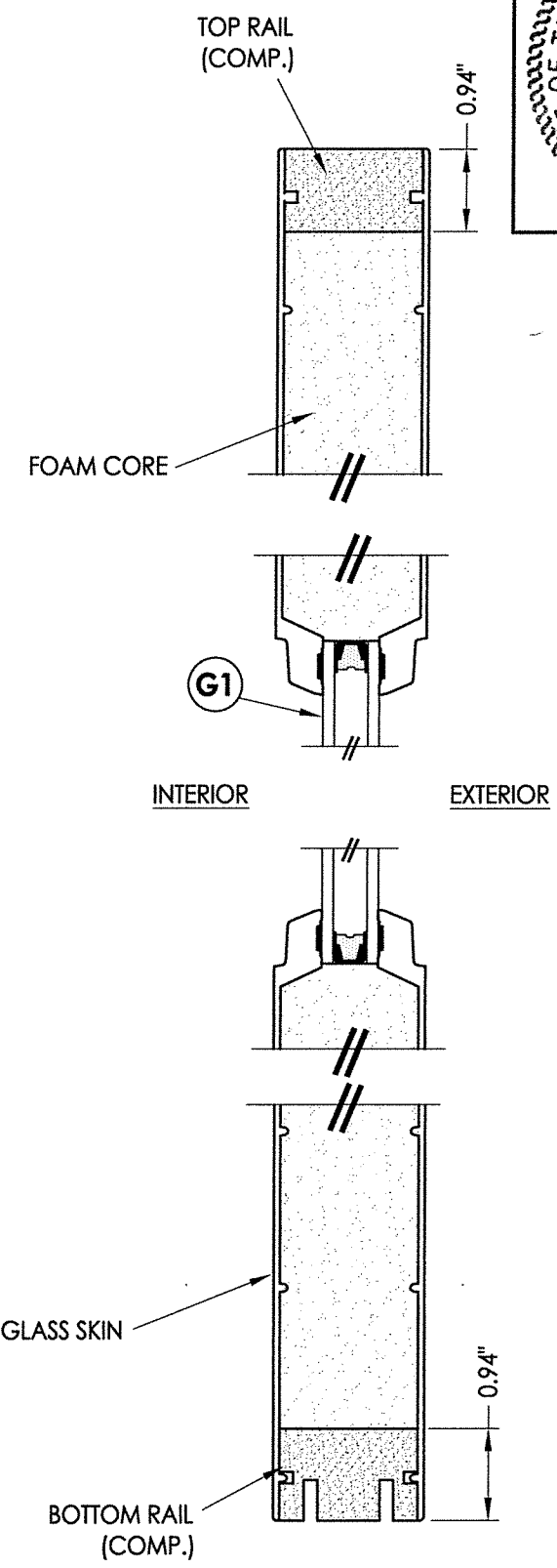


2
2 **DOOR PANEL**
Therma-Tru Fiberglass

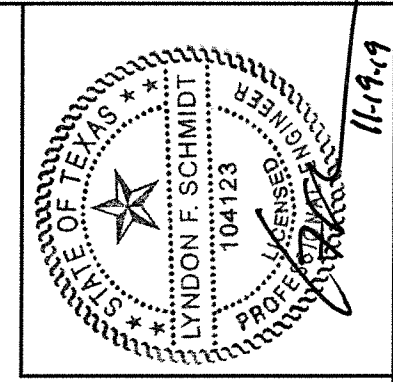


G1 **GLAZING DETAIL**
Flush Glazed

HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)



2
2 **VERTICAL CROSS SECTION**



11-19-19
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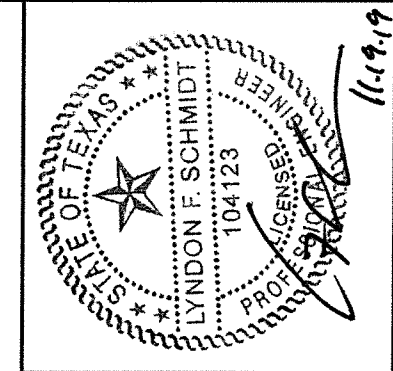
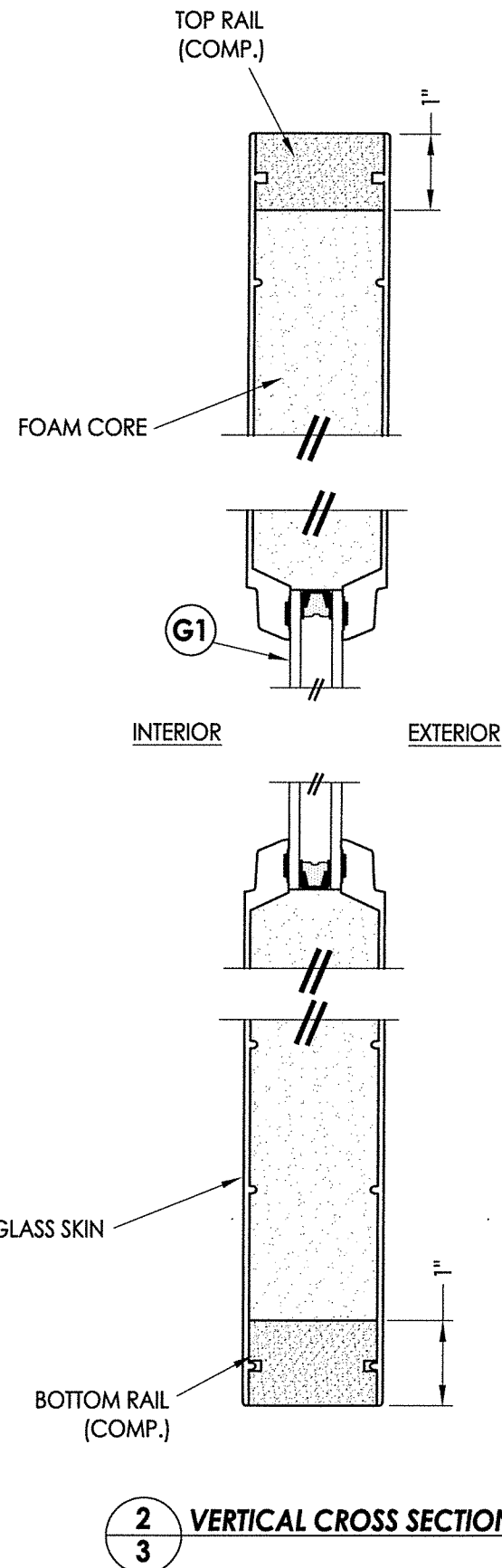
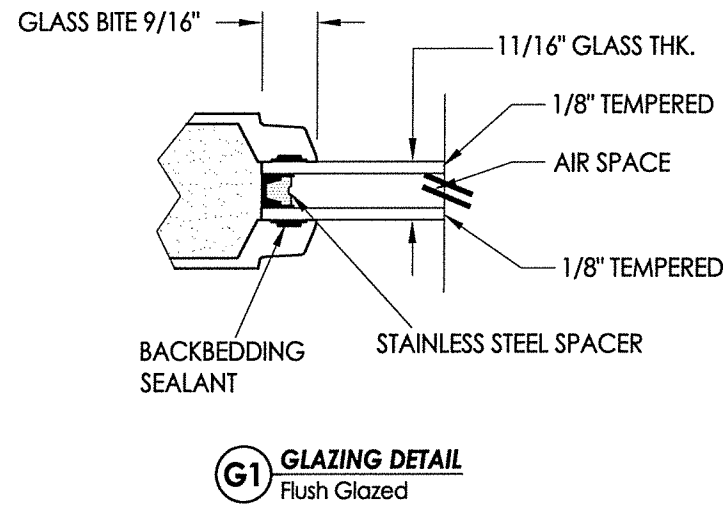
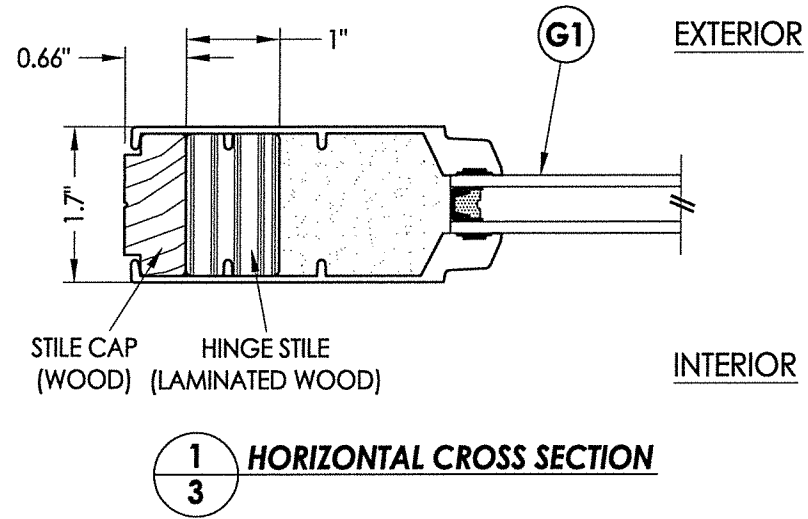
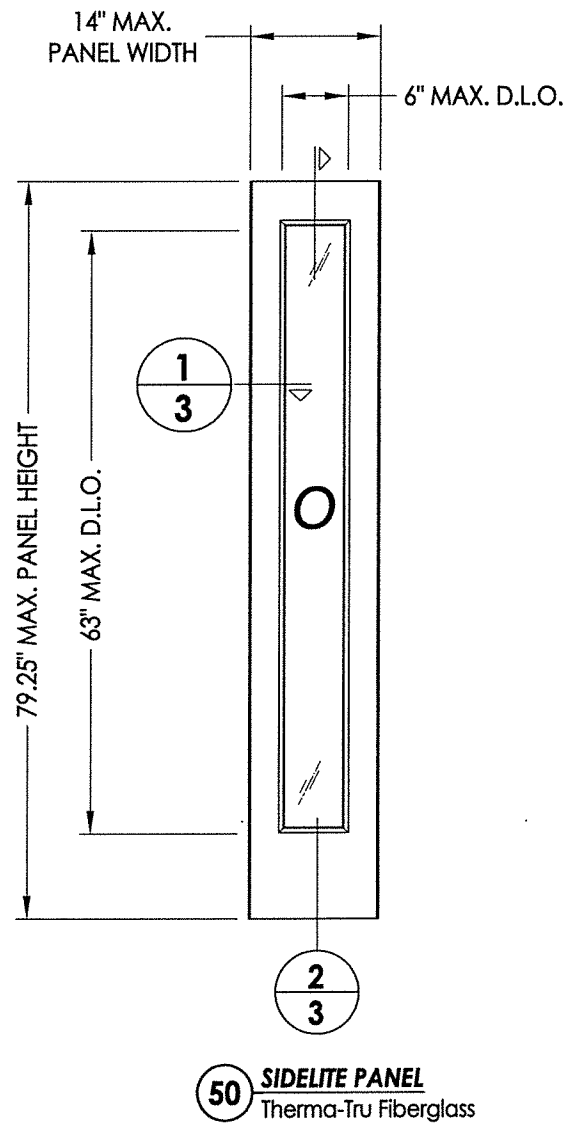
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197
 TEXAS BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ENDURA
 PART OR ASSEMBLY: DOOR PANEL DETAILS & GLAZING DETAIL

NO.	DATE	BY	REVISIONS
1	11/19/19	LFS	ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE

DATE: 12/05/17
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4757
 SHEET 2 OF 7

R:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-956 Glazed Therma-Tru FG door OXO (LK, DB) 14 in SL (4757-4758)\C - Drawings\TX-4757.58.dwg, 3.3



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Phone No.: 813.659.9197

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

PRODUCT: ENDURA

PART OR ASSEMBLY: SIDELITE PANEL DETAILS (FLUSH GLAZING)

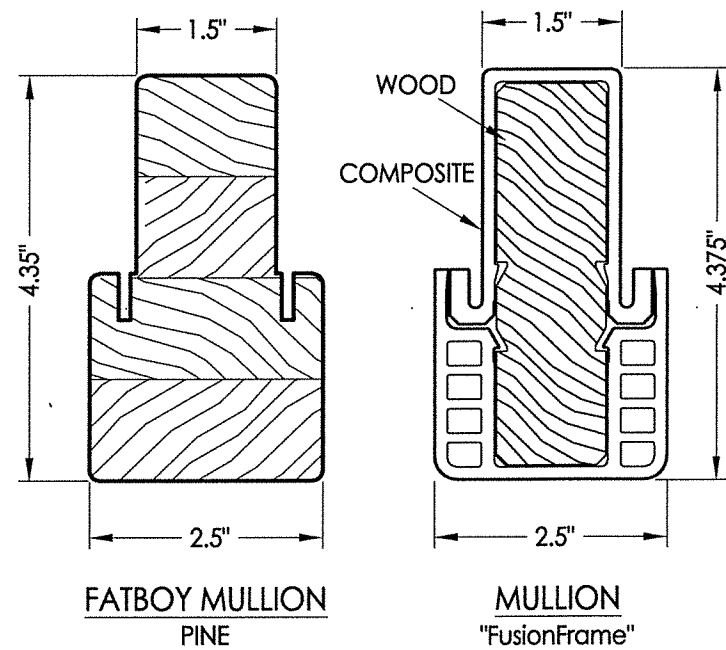
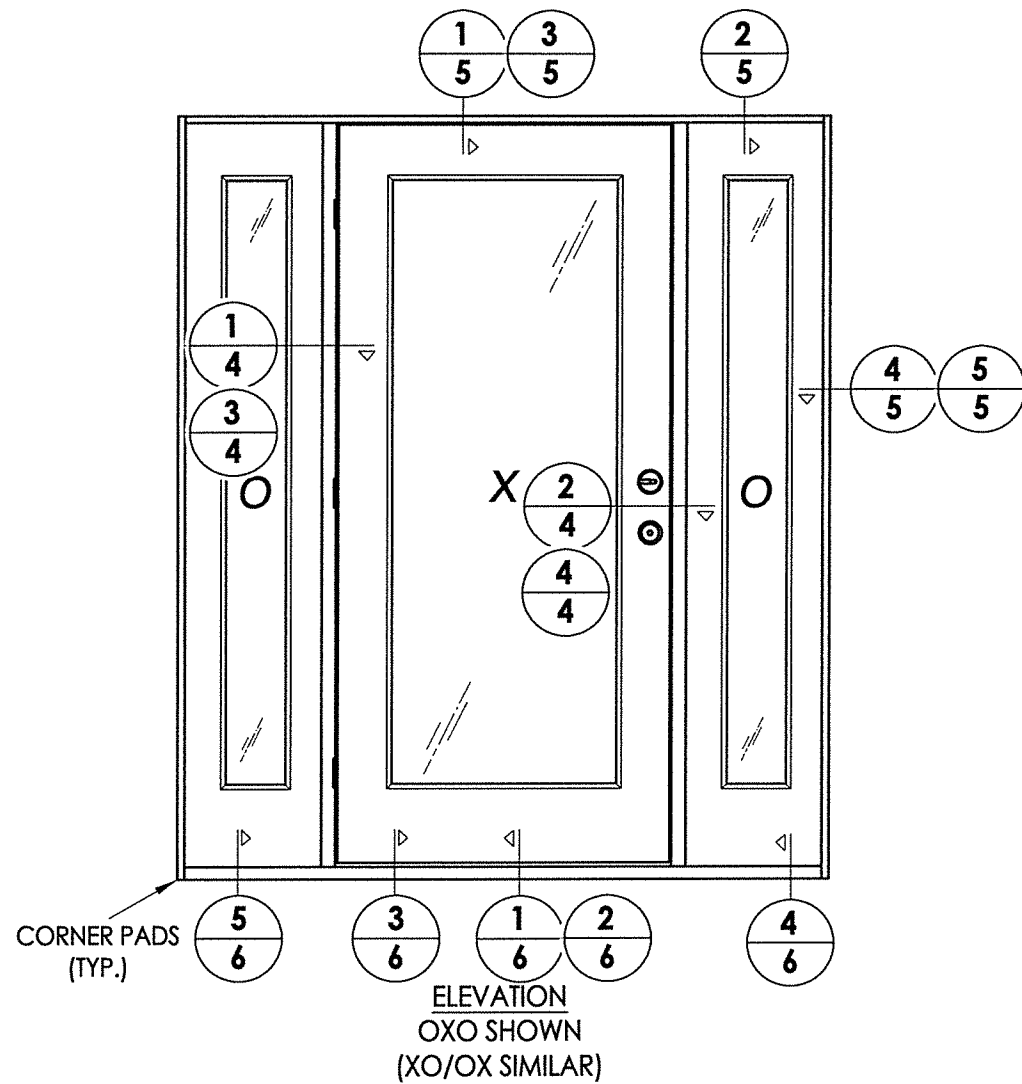
NO.	DATE	REVISIONS
1	11/19/19	ADD: "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE

DATE: 12/05/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4757
SHEET 3 OF 7

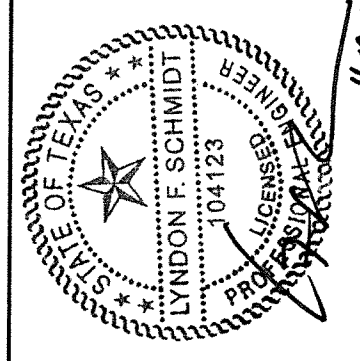
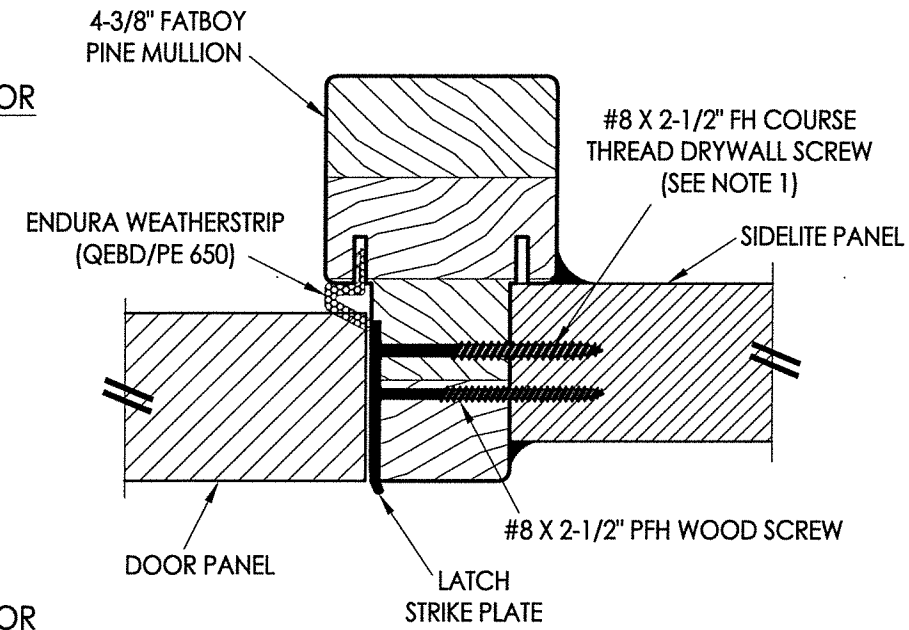
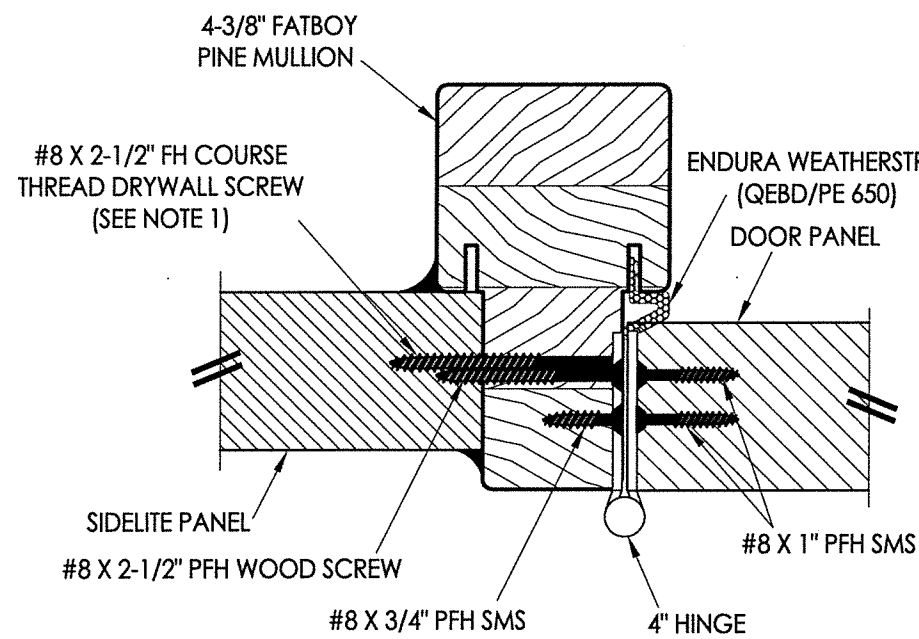
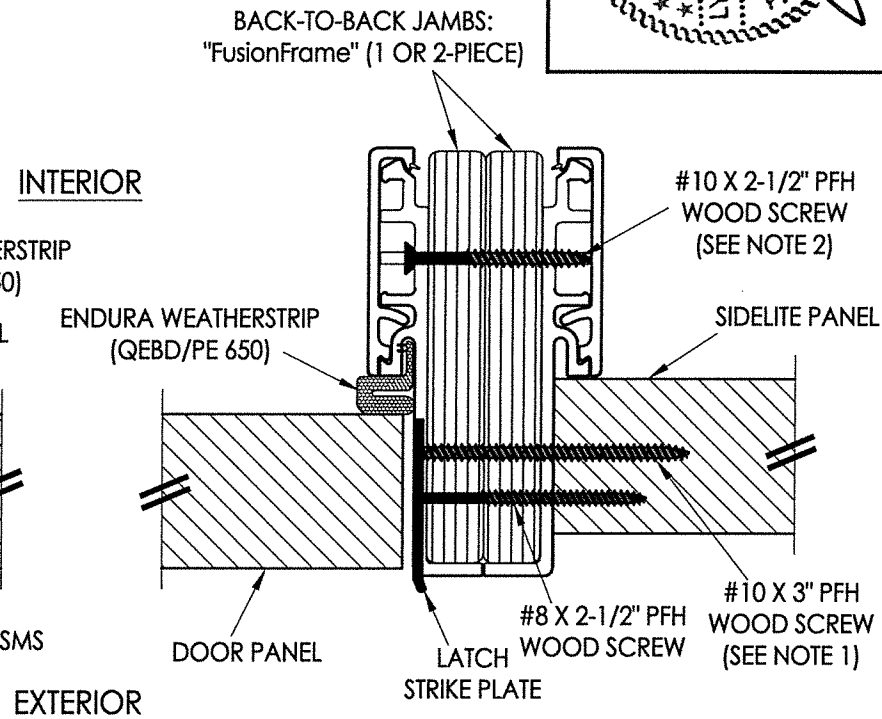
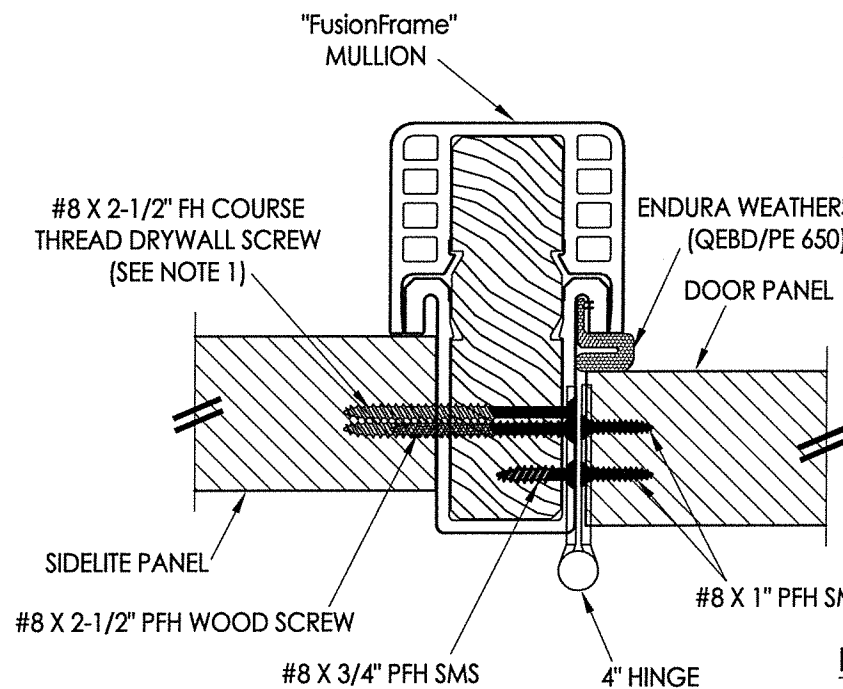
SIDELITE SKIN: FIBERGLASS (0.075" MIN. THICKNESS)
CORE MATERIAL: POLYURETHANE FOAM

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R:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-956 Glazed Thermo-Tru FG door OXO (LK, DB) 14 in SL (4757-4758)\C - Drawings\TX-4757.58.dwg, 4.3



- NOTES:**
1. Spacing for sidelite screws: 6.5", 38.5" and 69" from head to sill (3 total).
 2. Spacing for mullion screws: 6" from each end plus 3 more equally spaced (5 total).



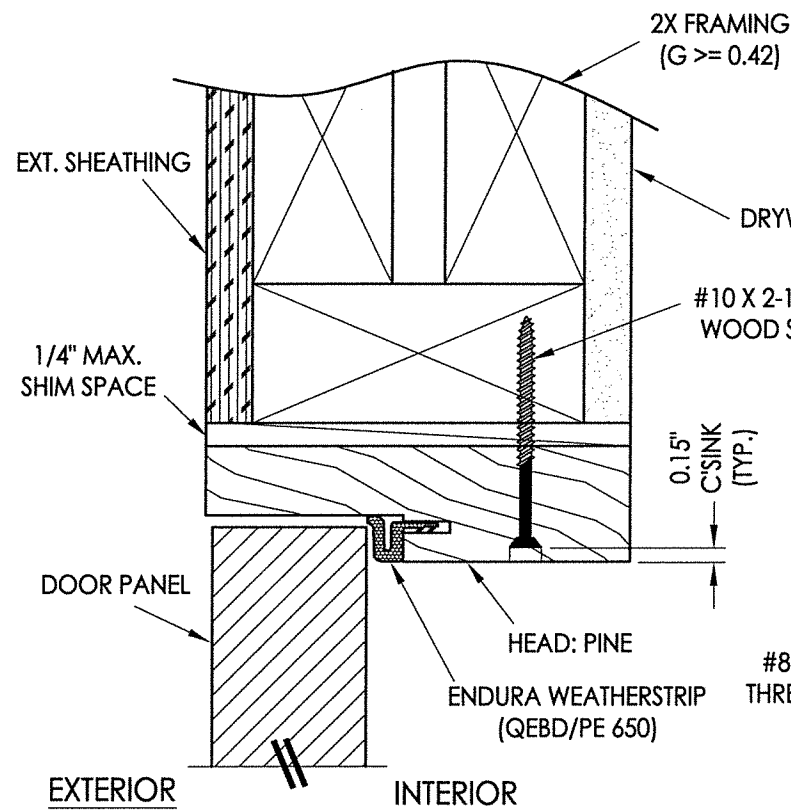
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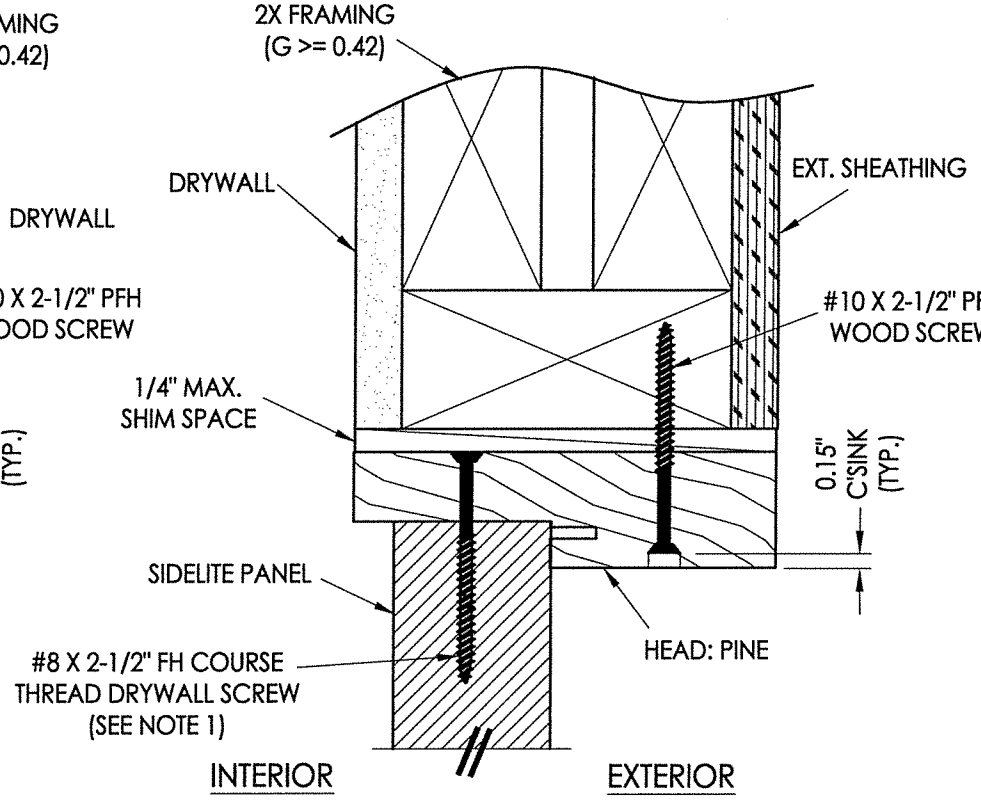
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	ENDURA
PART OR ASSEMBLY:	FIBERGLASS DOOR
NO.	1
DATE	11/19/19
BY	LFS
REVISIONS	UPDATE TO 2018 IBC/IRC CODE
DATE	
BY	
DATE:	12/05/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4757
SHEET	4 OF 7

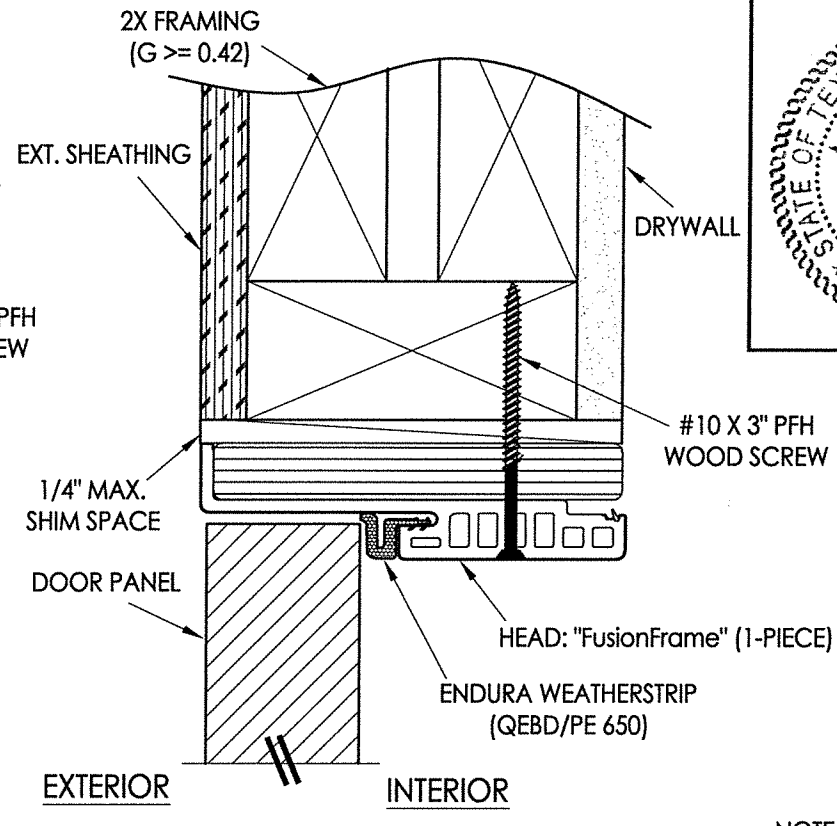
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1 VERTICAL CROSS SECTION
5 Outswing shown - inswing also approved

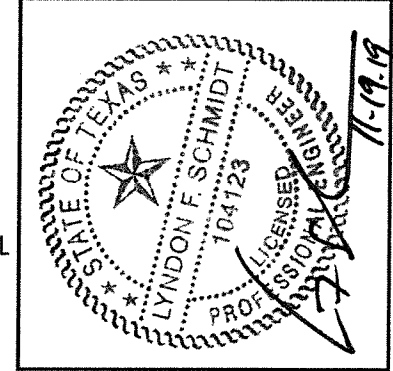


2 VERTICAL CROSS SECTION
5 Inswing shown - Outswing also approved

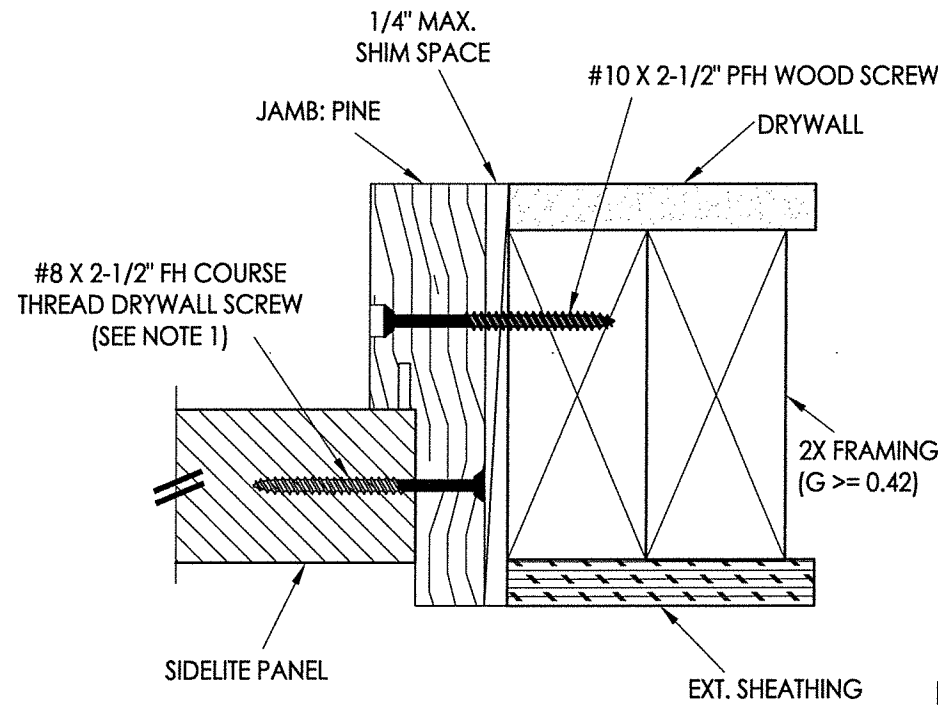
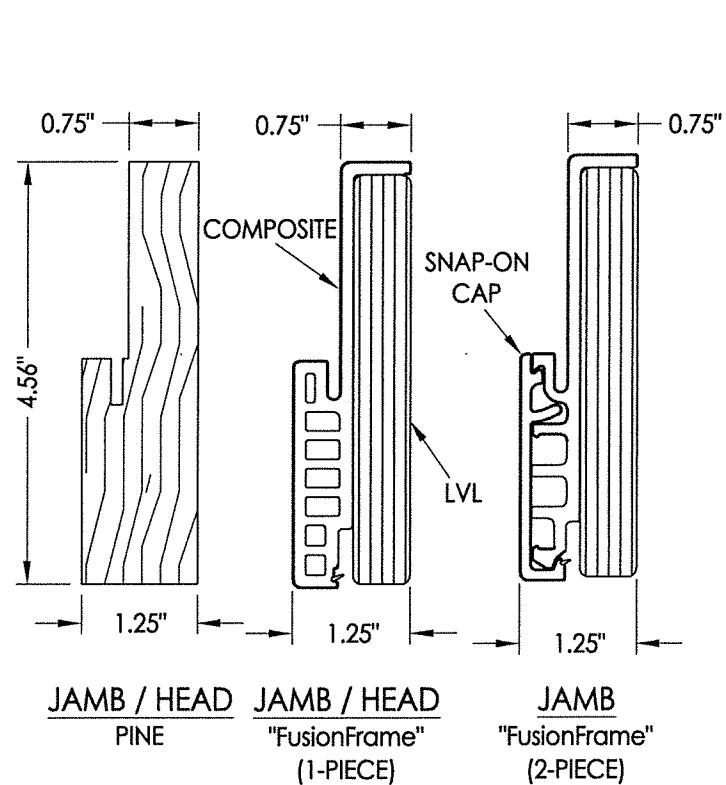


3 VERTICAL CROSS SECTION
5 Outswing shown - inswing also approved

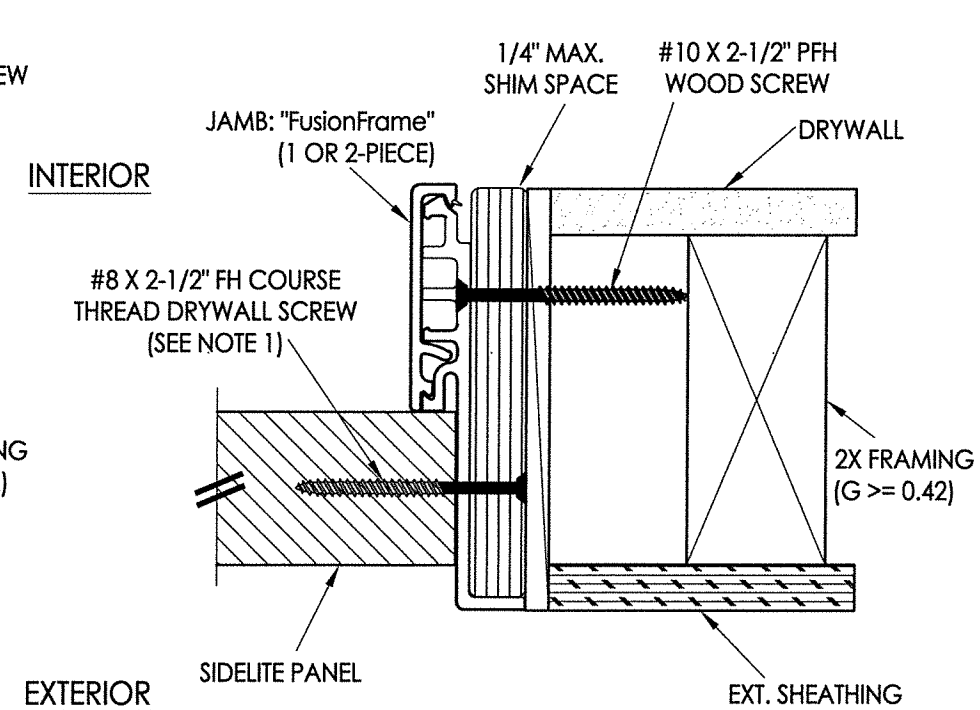
NOTE:
 1. Spacing for sidelite screws:
 4" from each end (2 total).



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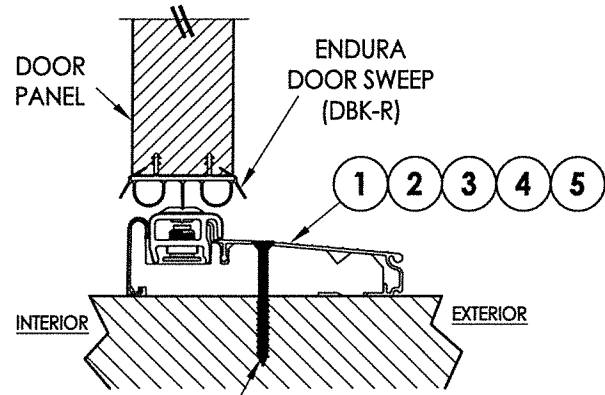
4 HORIZONTAL CROSS SECTION
5 Outswing shown - Inswing also approved



5 HORIZONTAL CROSS SECTION
5 Outswing shown - inswing also approved

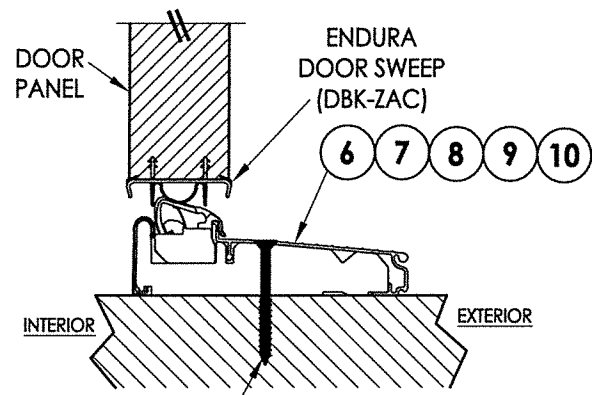
PRODUCT:	ENDURA	
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS	
NO.	DATE	BY
1	11/19/19	LFS
ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		
DATE:	12/05/17	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4757	
SHEET	5 OF 7	

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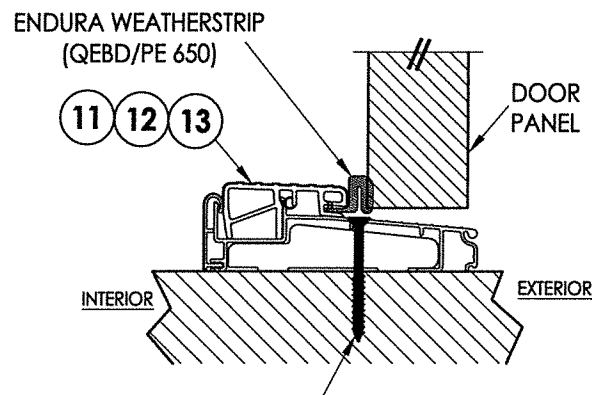
#10 X 2.5" PFH WOOD SCREW OR
1/4" X 2-3/4" ELCO OR ITW CONCRETE SCREW

1 VERTICAL CROSS SECTION
6 Inswing Adjustable Threshold



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

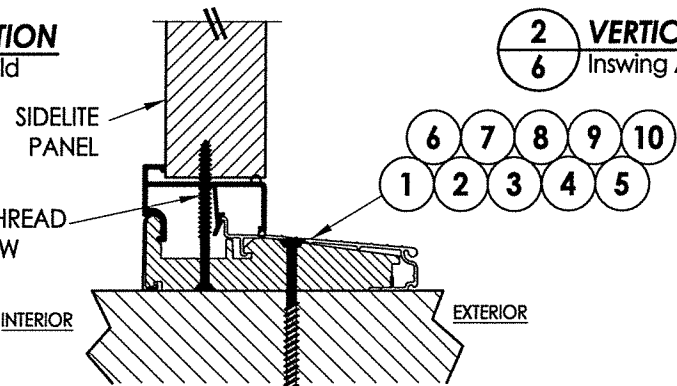
2 VERTICAL CROSS SECTION
6 Inswing Articulating Threshold



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

3 VERTICAL CROSS SECTION
6 Outswing Bump Threshold

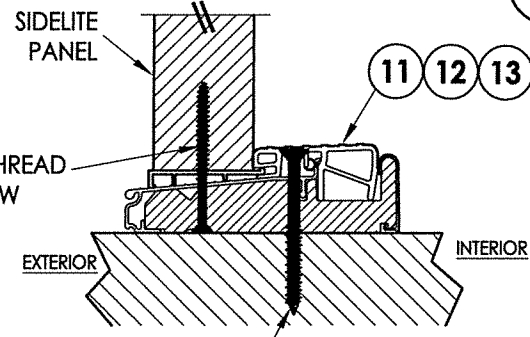
NOTE:
1. Spacing for sidelite screws:
6" from each end (2 total).



#8 X 2.5" COURSE THREAD
DRYWALL SCREW
(SEE NOTE 1)

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

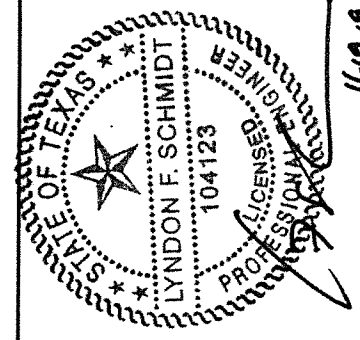
4 VERTICAL CROSS SECTION
6 Inswing configuration



#8 X 2.5" COURSE THREAD
DRYWALL SCREW
(SEE NOTE 1)

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

5 VERTICAL CROSS SECTION
6 Outswing configuration

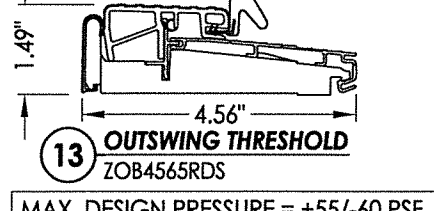
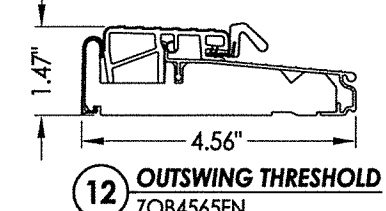
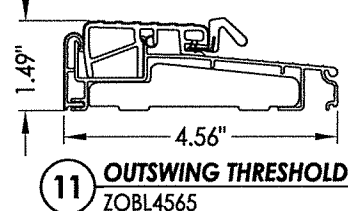
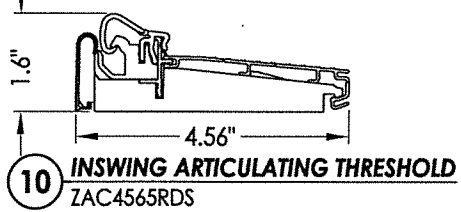
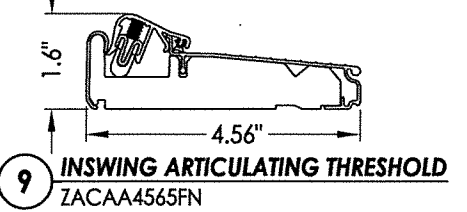
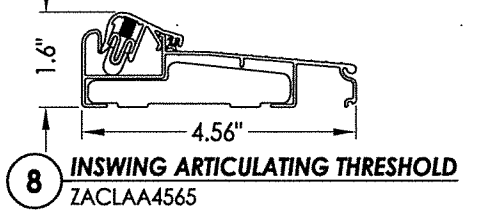
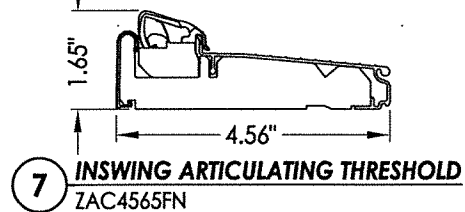
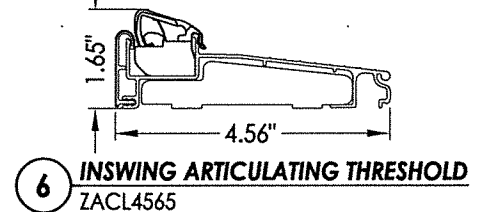
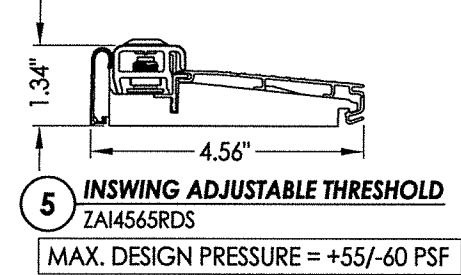
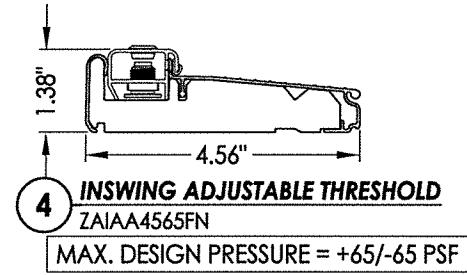
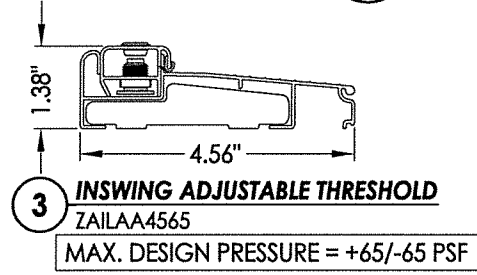
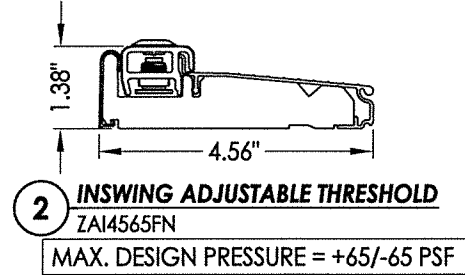
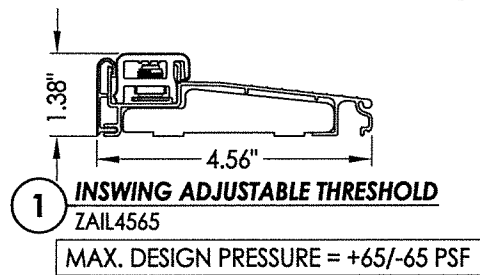


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TEXAS P.E. #104123

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P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

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

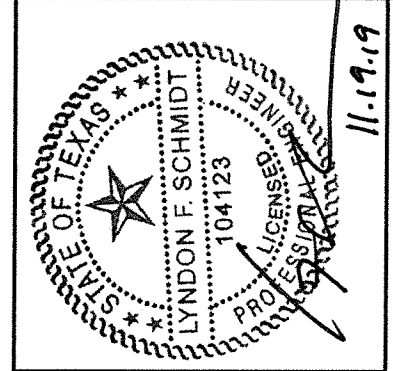
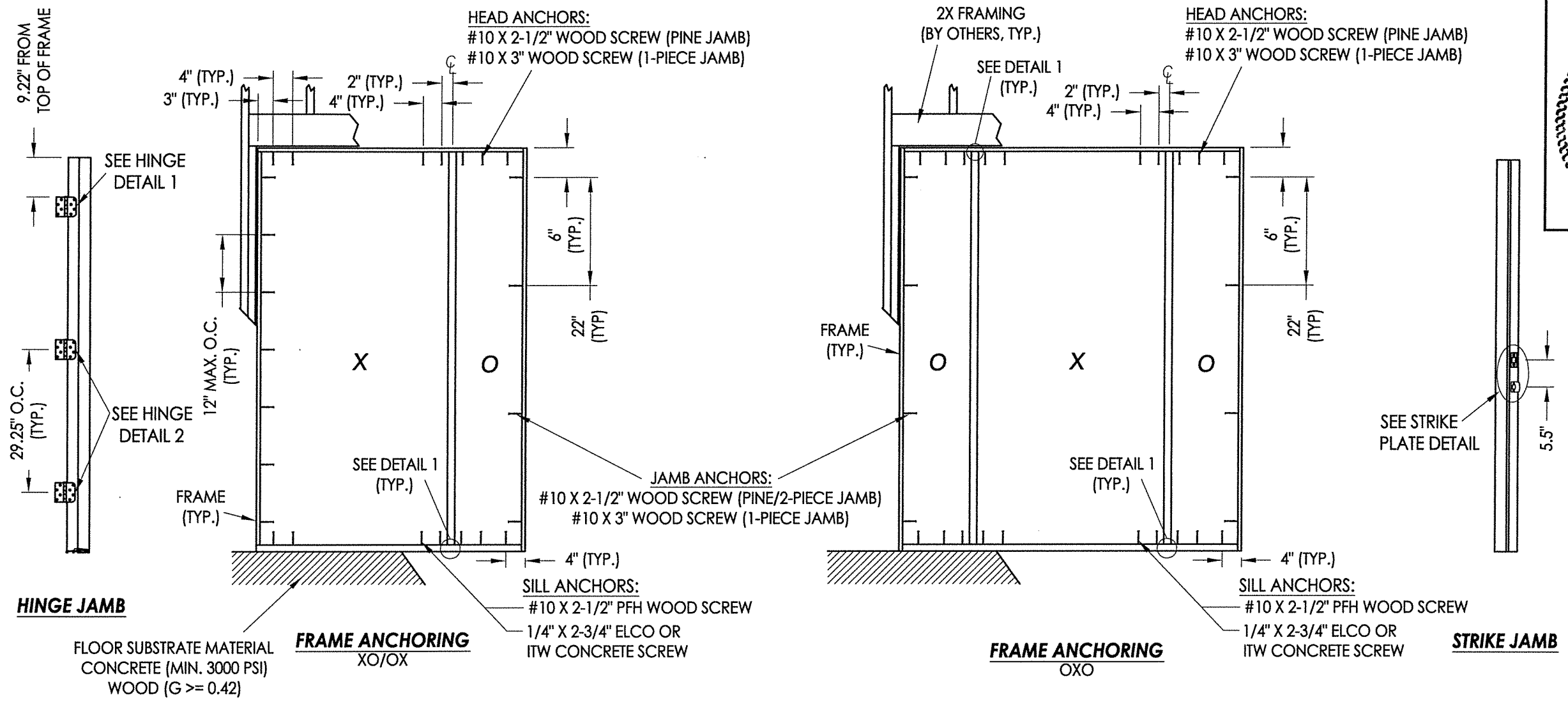
PRODUCT:	ENDURA
	FIBERGLASS DOOR
	PART OR ASSEMBLY:
	VERTICAL CROSS SECTIONS



NO.	DATE	REVISIONS
1	11/19/19	ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE

DATE: 12/05/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4757
SHEET 6 OF 7

R:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-956 Glazed Thermo-Tru FG door OXO (LK, DB) 14 in SL (4757-4758)\C - Drawings\TX-4757.58.dwg, 7.3



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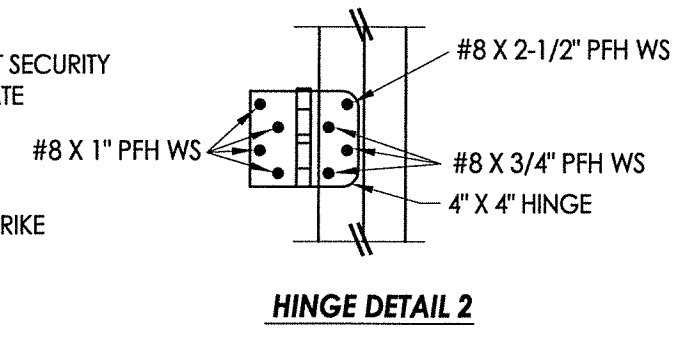
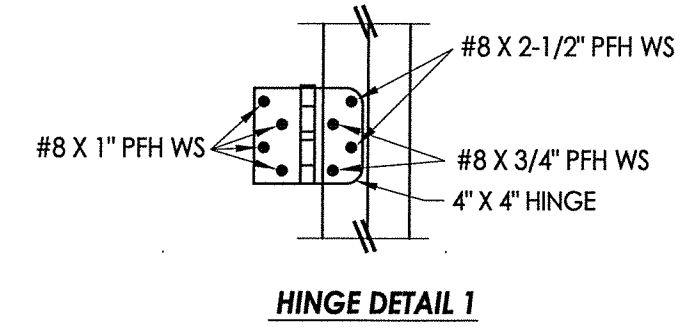
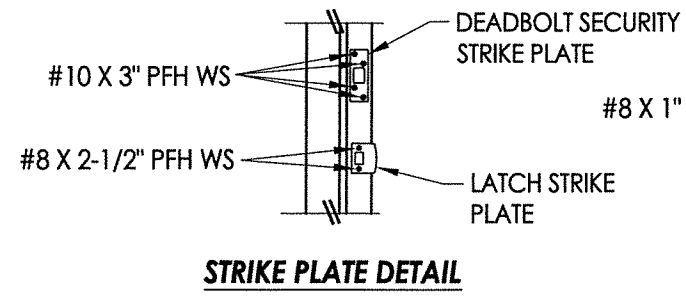
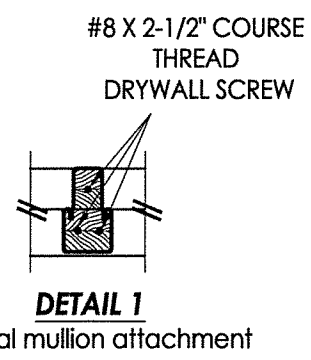
JAMB NOTES:
 THE PINE OR "FusionFrame" 1-PIECE JAMB MAY BE INSTALLED @ THE HEAD OR SIDE JAMB.
 THE FusionFrame" 2-PIECE JAMB MAY BE INSTALLED @ THE SIDE JAMBS ONLY.

INTEGRAL MULLION NOTES:
 THE FATBOY PINE MULLION, "FusionFrame" MULLION, OR THE "FusionFrame" BACK-TO-BACK JAMB (1-PIECE OR 2-PIECE) MAY ALL BE USED AS THE INTEGRAL MULLION.

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.	1
DATE	11/19/19
BY	LFS
REVISIONS	ADD "FusionFrame" OPTION & UPDATE TO 2018 IBC/IRC CODE
DATE:	12/05/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4757
SHEET	7 OF 7

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