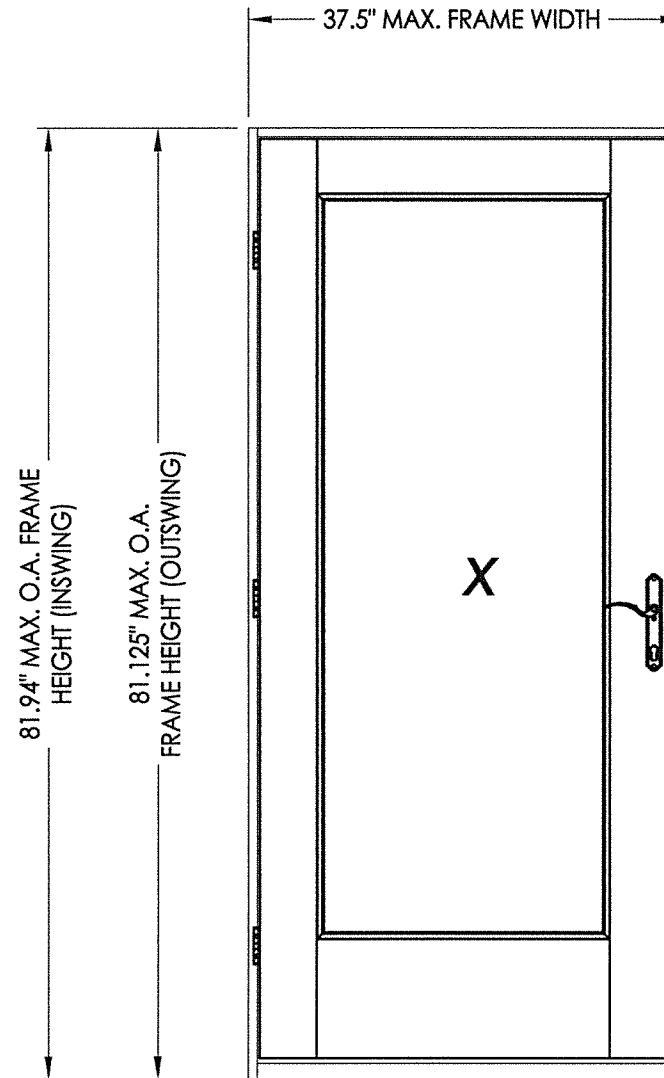


# Glazed Fiberglass Door

"NON-IMPACT"  
INSWING / OUTSWING



EVALUATED FOR USE IN THE STATE OF TEXAS

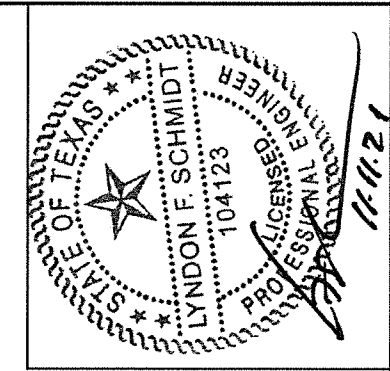
**TDI DR-608**

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 1609.1.2 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	Lock details (Hoppe HLS 9000)
3	Door panel details (Fiber Classic - flush glazing)
4	Door panel details (Smooth Star - flush glazing)
5	Horizontal cross sections
6	Vertical cross sections
7	Frame anchoring

CONFIG.	MODEL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	FIBER CLASSIC	+45.0	-45.0	+40.0	-40.0
	SMOOTH STAR	+30.0	-30.0	+40.0	-40.0



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	REVISIONS
1	11/11/21	LFS	UPDATE TO 2018 IBC/IRC CODE

DATE: 1/08/14

SCALE: N.T.S.

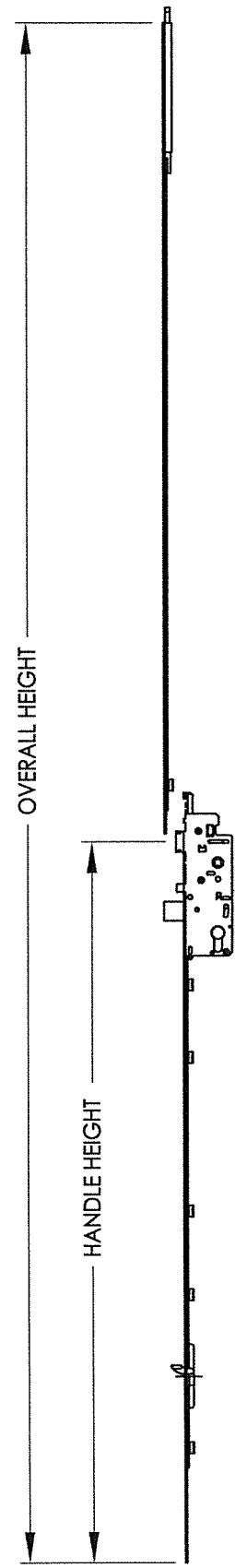
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CHK. BY: LFS

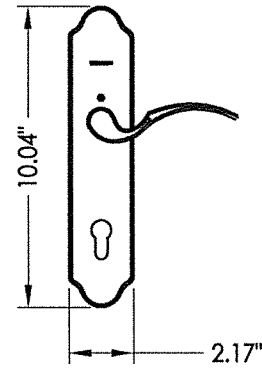
DRAWING NO.: TX-4427

SHEET 1 OF 7

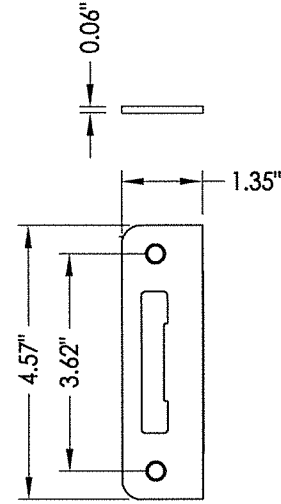
MANUAL TONGUE/SHOOTBOLT GEAR SYSTEM



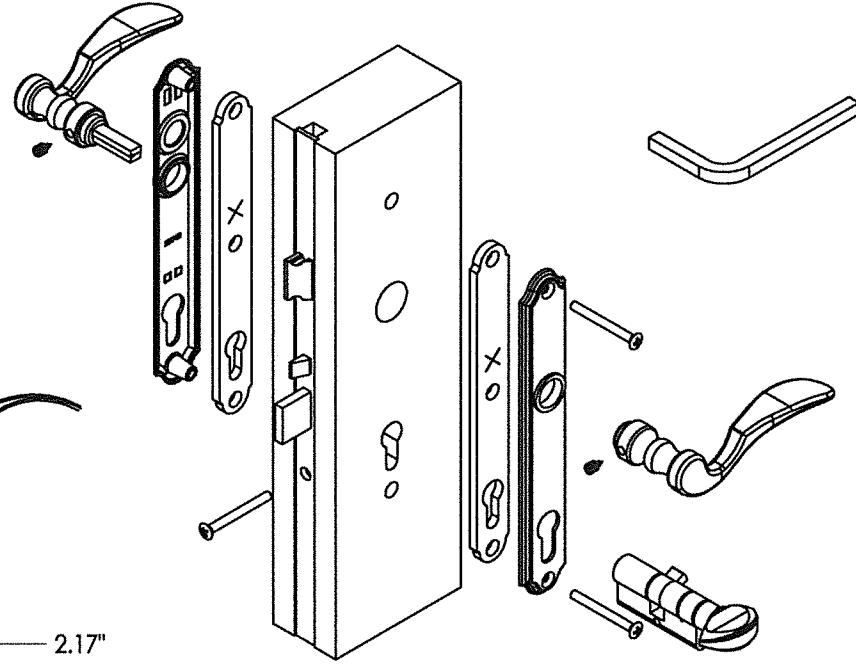
HOPPE MULTI-POINT LOCKSET



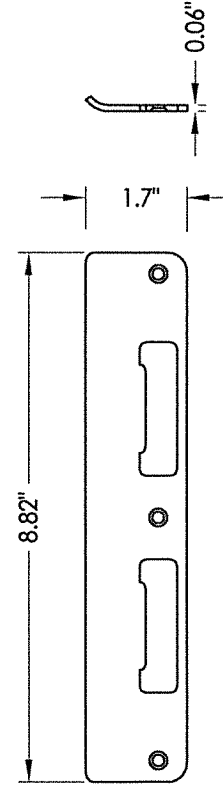
MULTI-POINT STRIKE PLATE



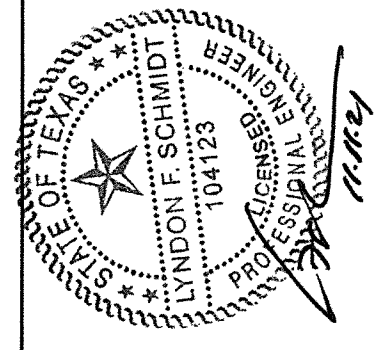
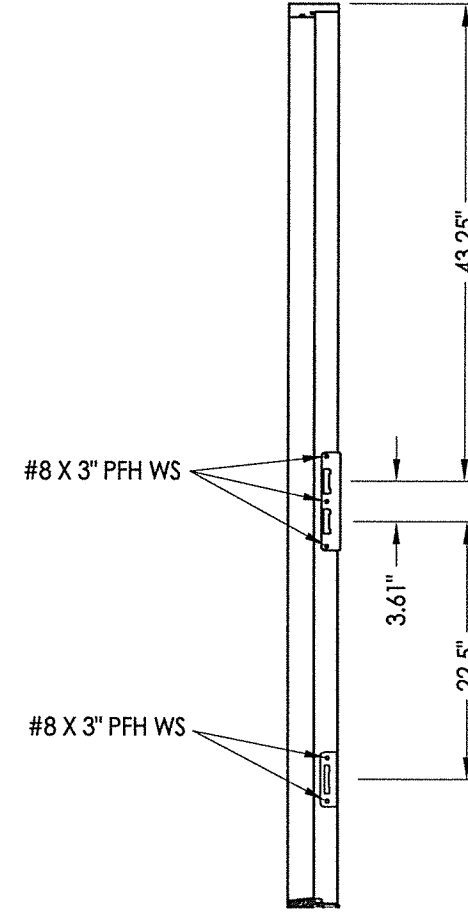
HOPPE MULTI-POINT LOCKSET  
Manual Tongue/Shootbolt



LATCH & DEADBOLT STRIKE PLATE



STRIKE JAMB



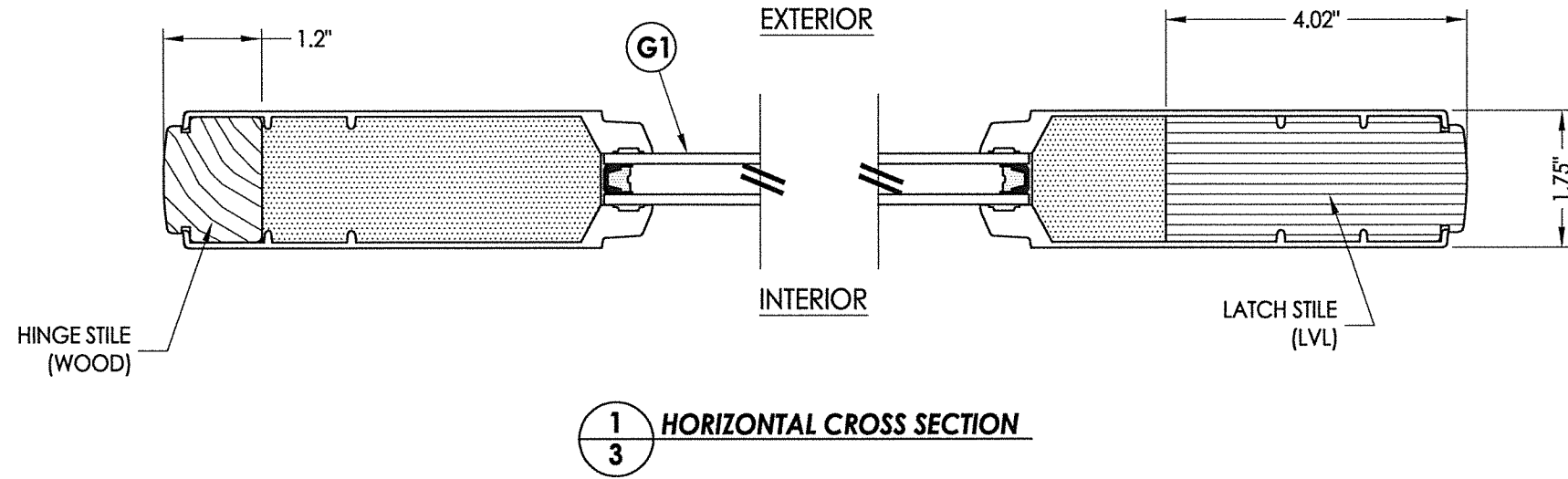
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DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4427
SHEET	2 OF 7

NO.	DATE	BY	REVISIONS
1	11/11/21	LFS	UPDATE TO 2018 IBC/IRC CODE
			LOCK DETAILS (HOPPE HLS 9000)

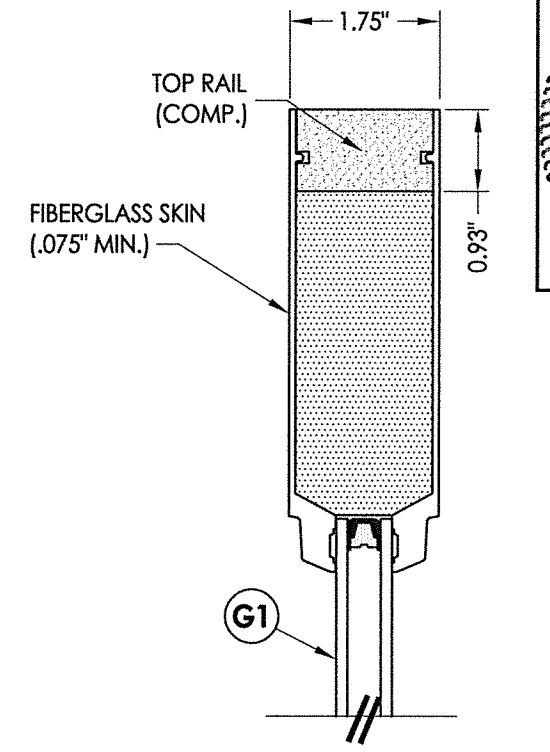
PRODUCT:	ENDURA
PART OR ASSEMBLY:	LOCK DETAILS (HOPPE HLS 9000)

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

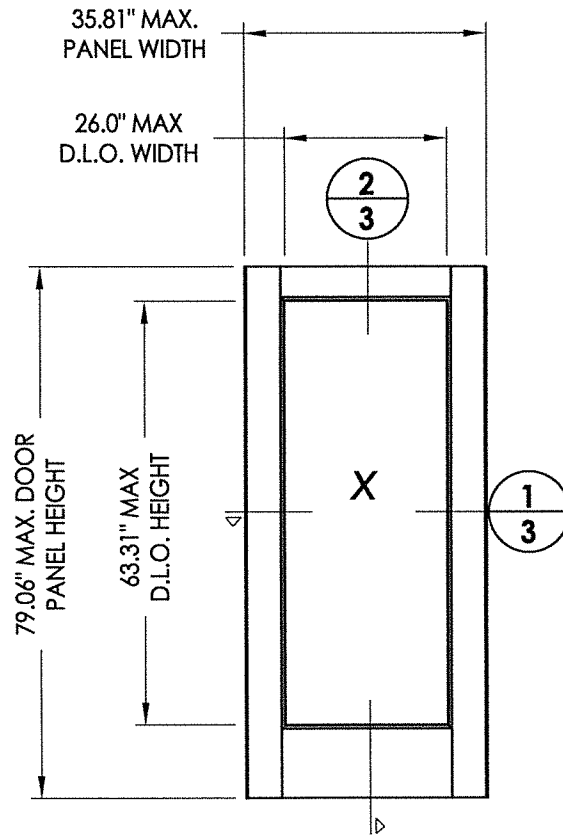
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL, 33595  
Phone No.: 813.659.9197  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852



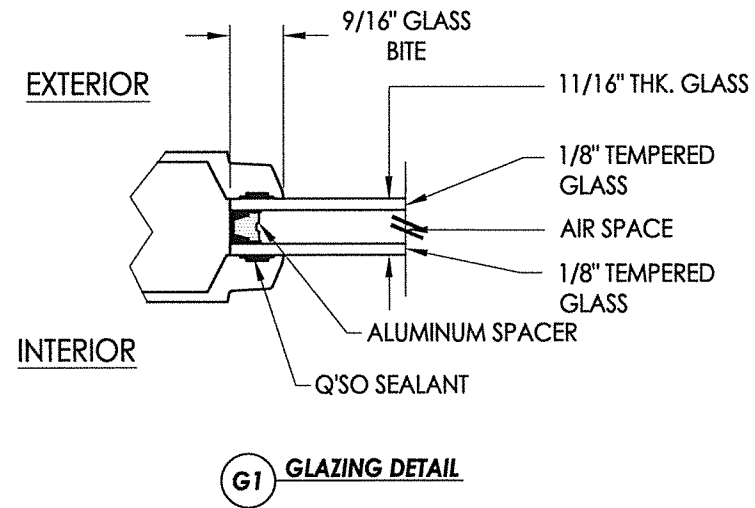
**1**  
**3** HORIZONTAL CROSS SECTION



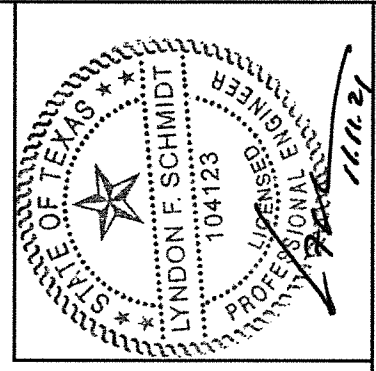
**2**  
**3** VERTICAL CROSS SECTION



THERMA TRU - Fiber Classic Panel  
Flush glazed  
(fiberglass)



**G1** GLAZING DETAIL

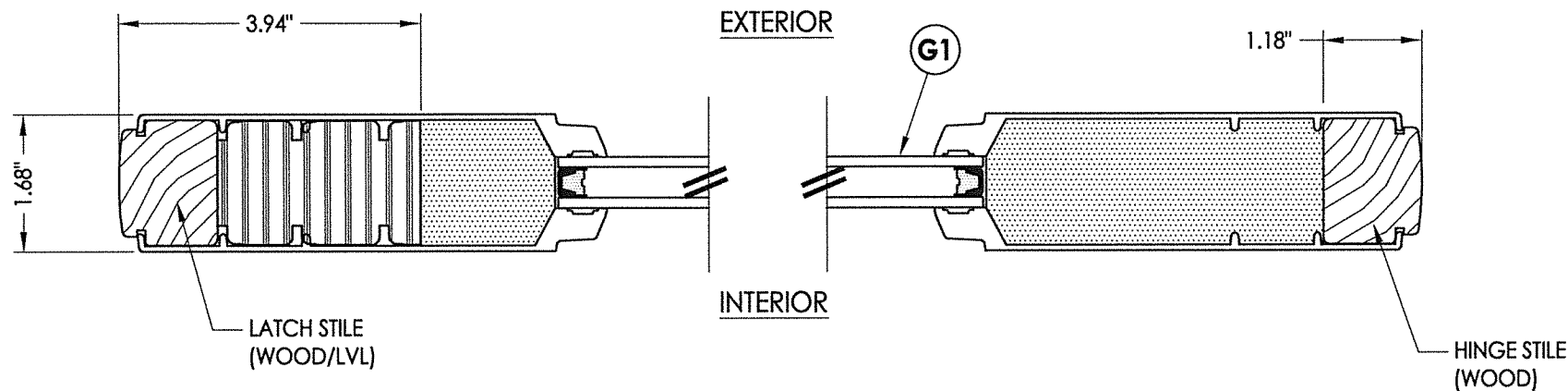


Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

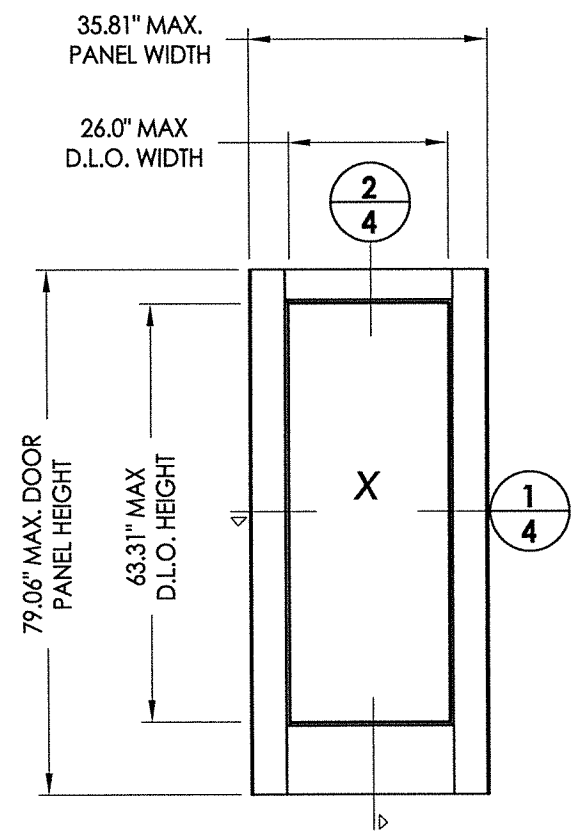
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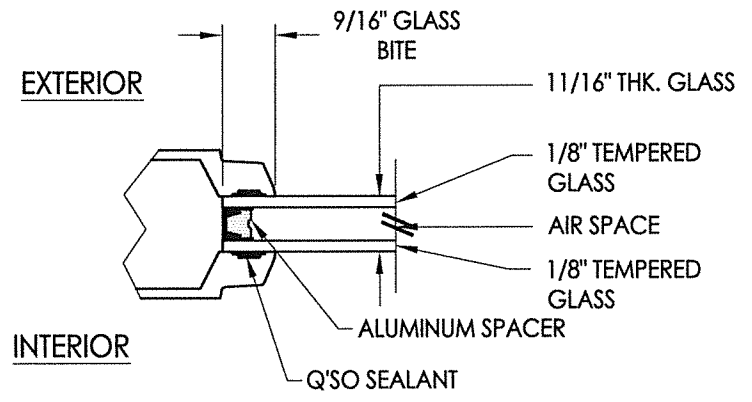
PRODUCT:	ENDURA	
PART OR ASSEMBLY:	DOOR PANEL DETAILS (FIBER CLASSIC - FLUSH GLAZED)	
NO.	DATE	BY
1	11/11/21	LFS
UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		
DATE:	1/08/14	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4427	
SHEET	3	OF 7



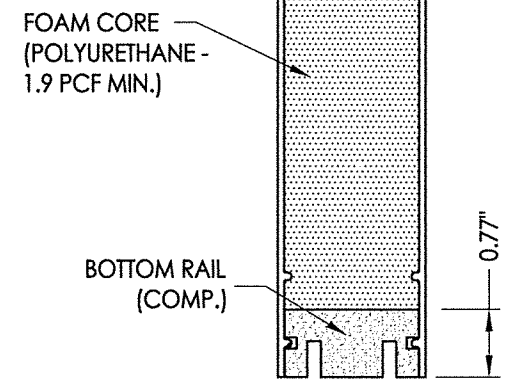
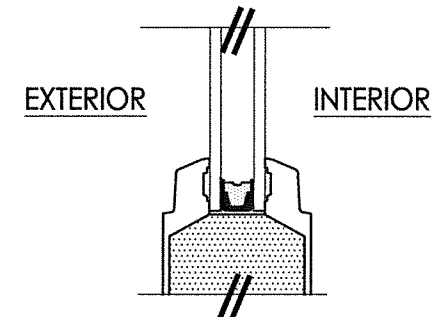
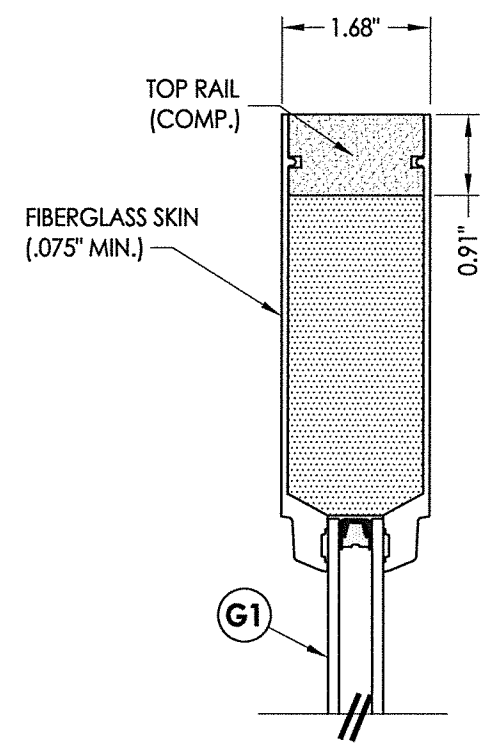
**1**  
**4** HORIZONTAL CROSS SECTION



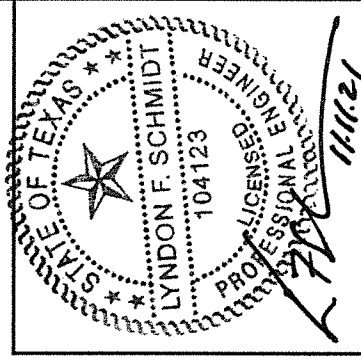
THERMA TRU - Smooth Star Panel  
Flush glazed  
(fiberglass)



**G1** GLAZING DETAIL



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



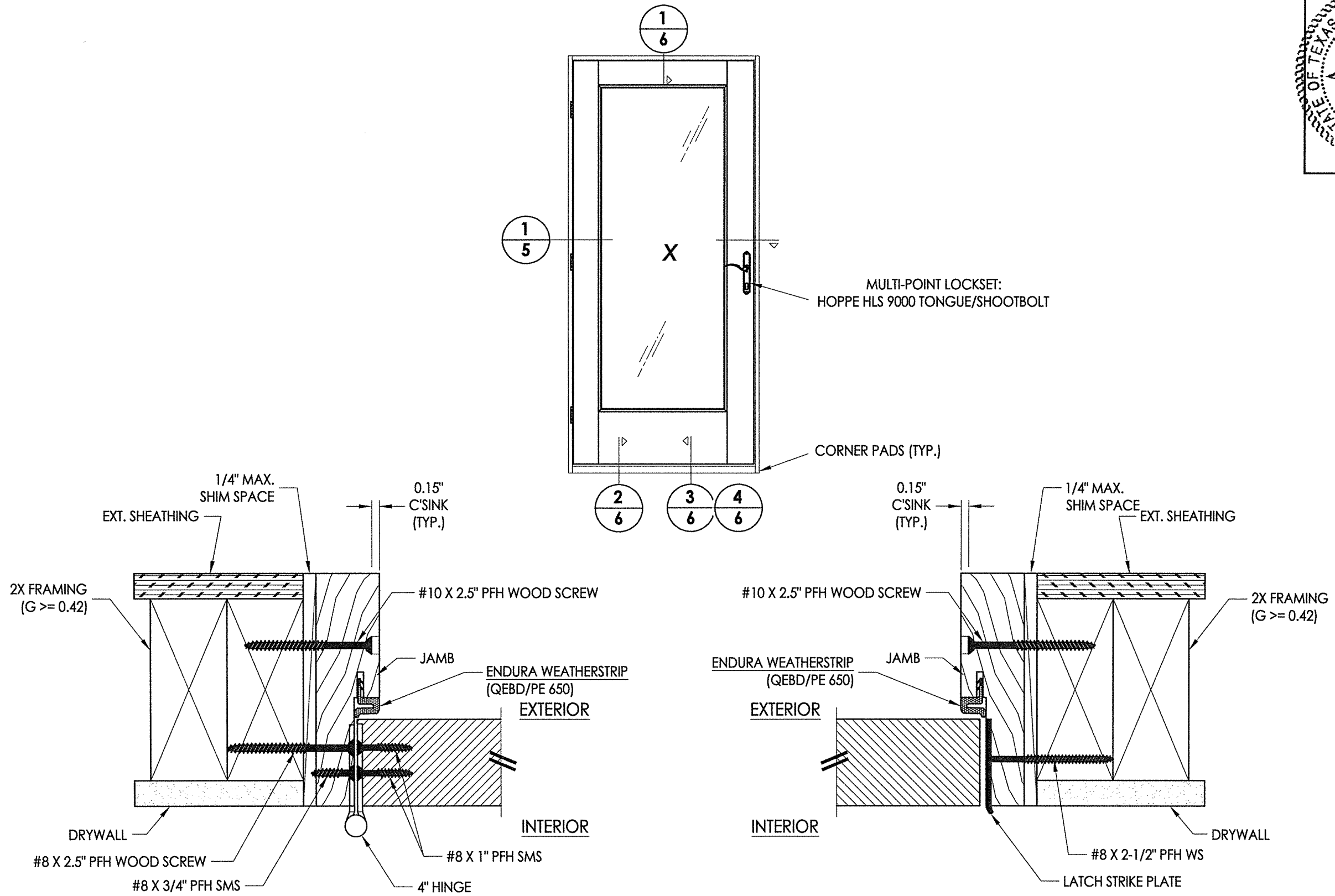
Documents Prepared By: Lyndon F. Schmidt, P.E.  
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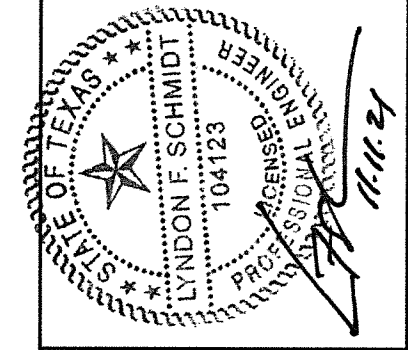
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	ENDURA	
PART OR ASSEMBLY:	DOOR PANEL DETAILS (SMOOTH STAR - FLUSH GLAZED)	
NO.	DATE	BY
1	11/11/21	LFS
UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		
DATE:	1/08/14	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4427	
SHEET	4	OF 7

Z:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-608 Therma-Tru Flush Glazed\Drawings\TX-4427-28.dwg



**1**  
**5** **HORIZONTAL CROSS SECTION**  
Inswing shown - Outswing also approved



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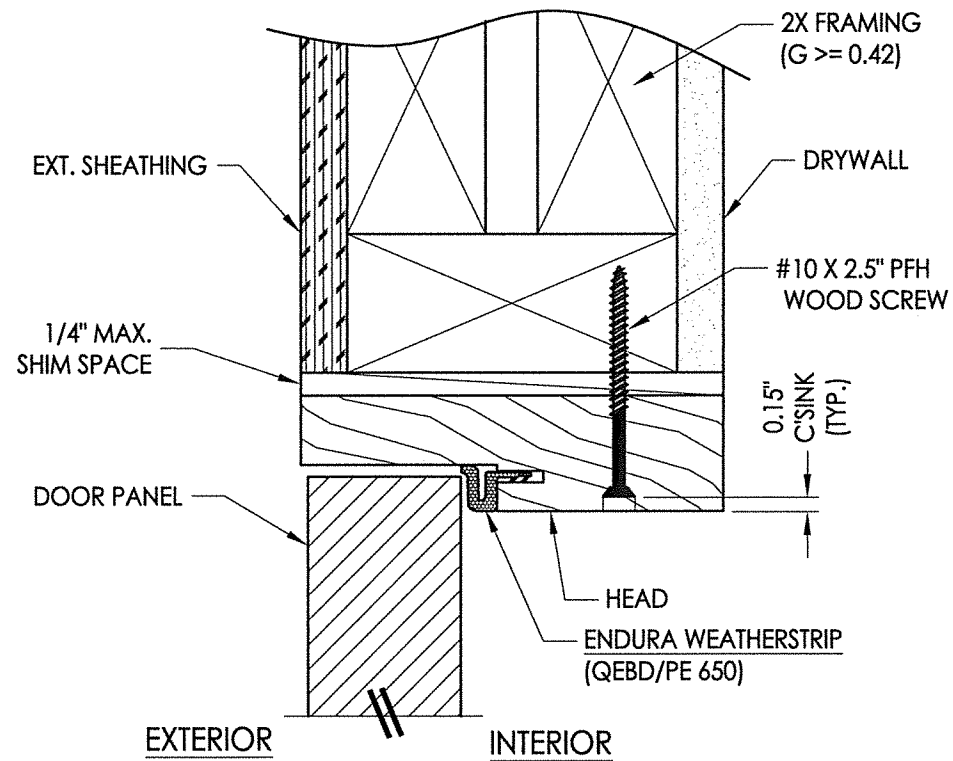
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL 33595  
Phone No.: 813.659.9197  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ENDURA  
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

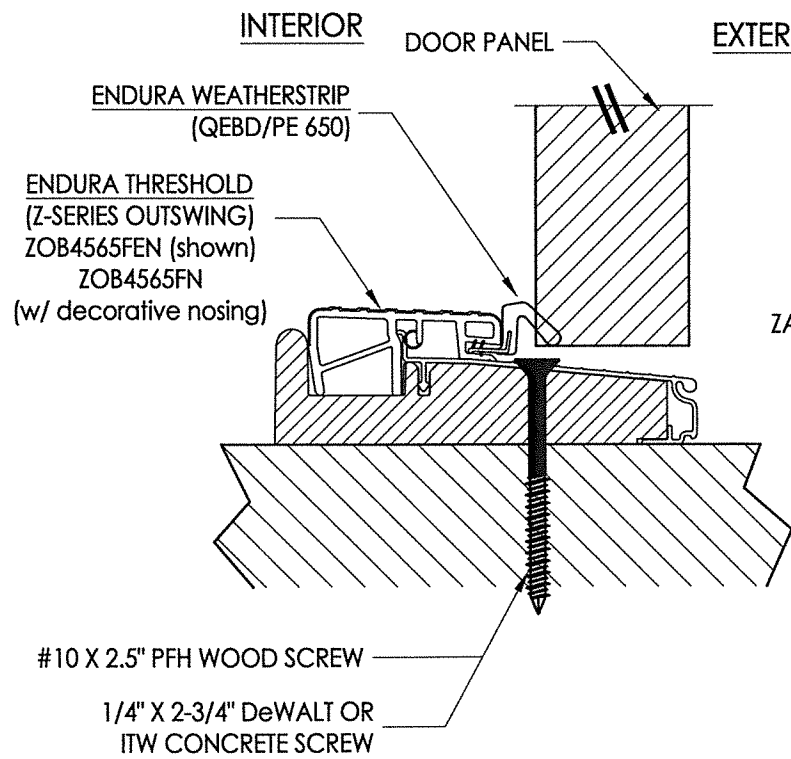
NO.	DATE	REVISIONS	BY
1	11/11/21	UPDATE TO 2018 IBC/IRC CODE	LFS

DATE: 1/08/14  
SCALE: N.T.S.  
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CHK. BY: LFS  
DRAWING NO.: TX-4427  
SHEET 5 OF 7

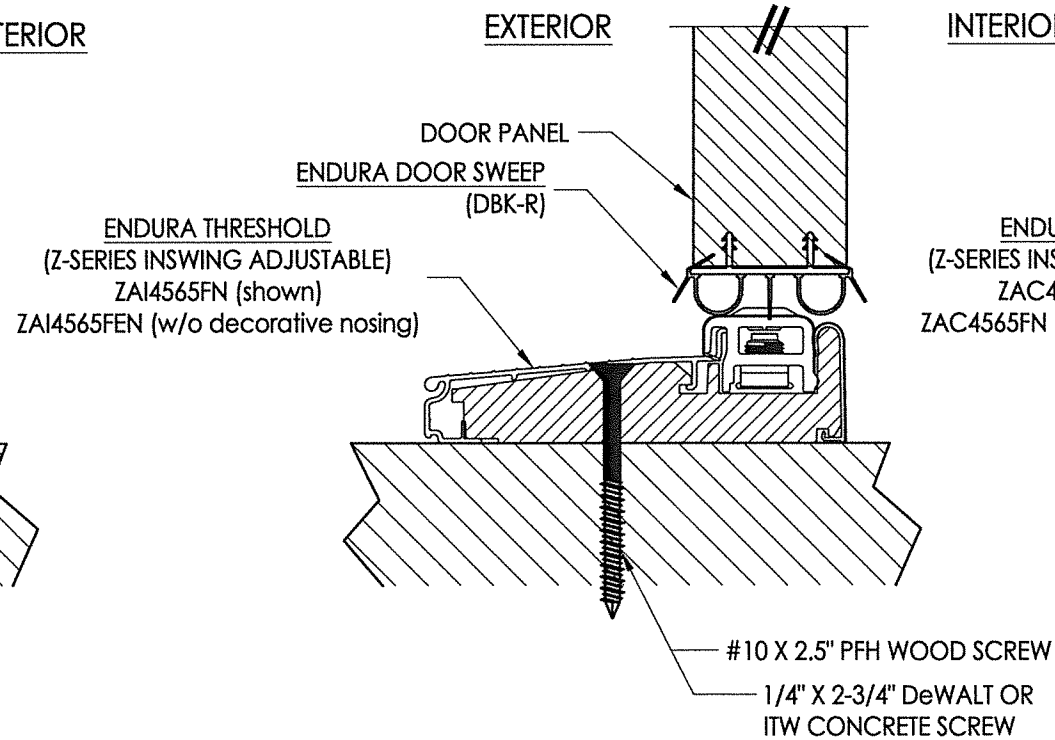
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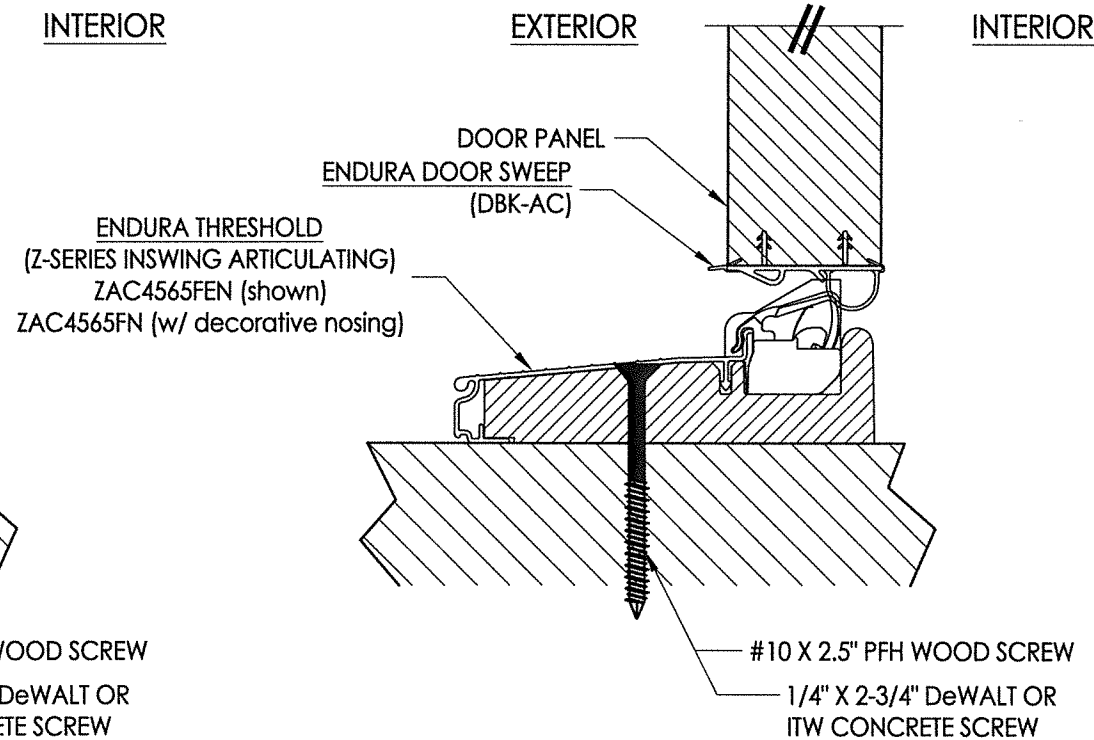
**1** VERTICAL CROSS SECTION  
**6** Outswing shown - inswing also approved



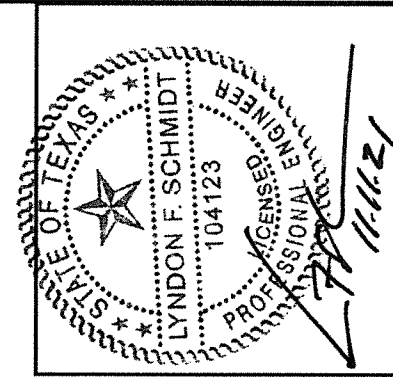
**2** VERTICAL CROSS SECTION  
**6** Outswing shown



**3** VERTICAL CROSS SECTION  
**6** Inswing configuration



**4** VERTICAL CROSS SECTION  
**6** Inswing configuration



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

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 Phone No.: 813.659.9197

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

PRODUCT: ENDURA

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	DESCRIPTION	LFS	BY
1	11/11/21	UPDATE TO 2018 IBC/IRC CODE		

DATE: 1/08/14

SCALE: N.T.S.

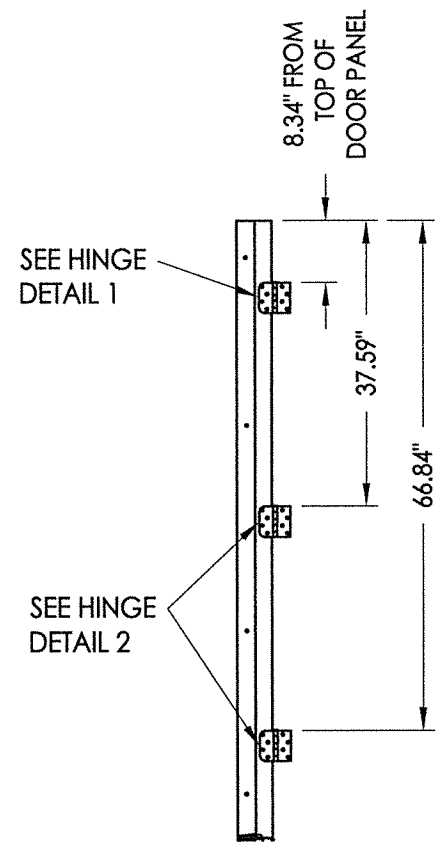
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CHK. BY: LFS

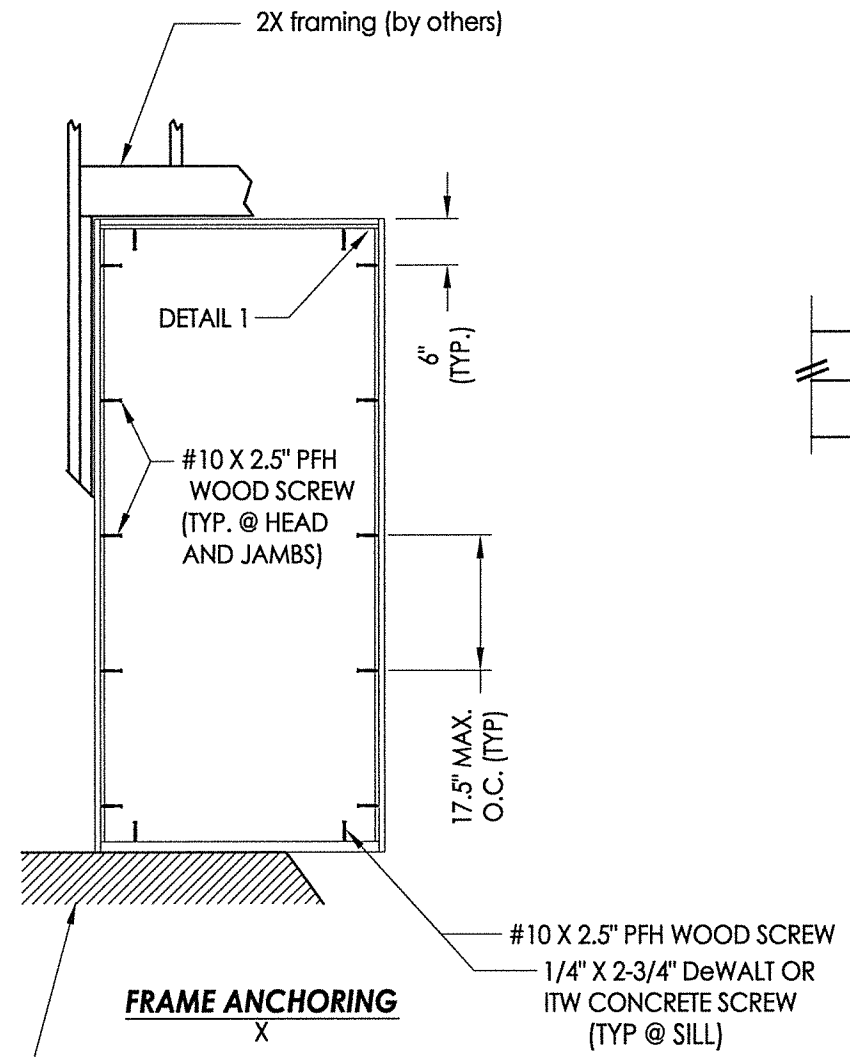
DRAWING NO.: TX-4427

SHEET 6 OF 7

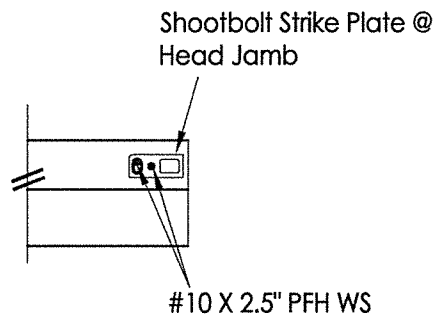
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**HINGE JAMB**



**FRAME ANCHORING**



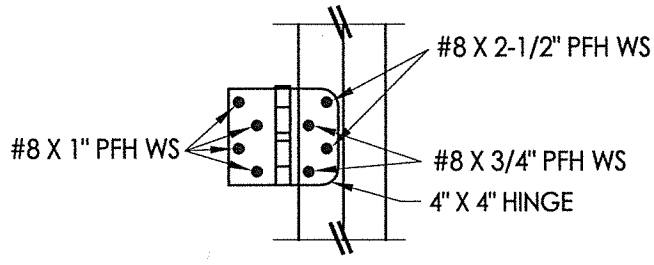
**DETAIL 1**

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

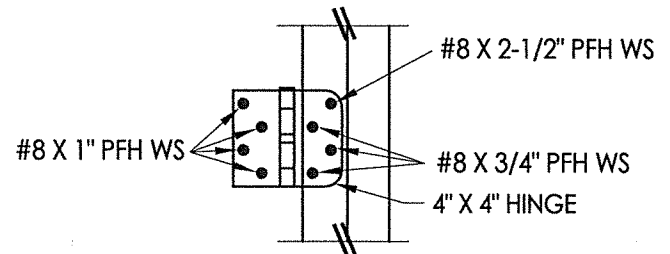
**CONCRETE ANCHOR NOTES:**

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:

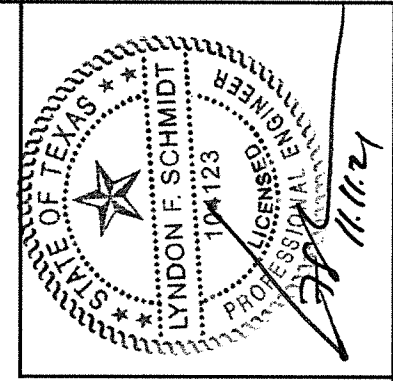
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-3/4"	2-1/2"	3"
DeWALT ULTRACON+®	1/4"	1-3/4"	1"	3"



**HINGE DETAIL 1**



**HINGE DETAIL 2**



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 Phone No.: 813.659.9197

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

PRODUCT: ENDURA

PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	REVISIONS
1	11/11/21	UPDATE TO 2018 IBC/IRC CODE
		LFS
		BY

DATE: 1/08/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: TX-4427

SHEET 7 OF 7