



Opaque Steel Door

"NON-IMPACT"
INSWING / OUTSWING

TDI DR-852

EVALUATED FOR USE IN THE STATE OF TEXAS

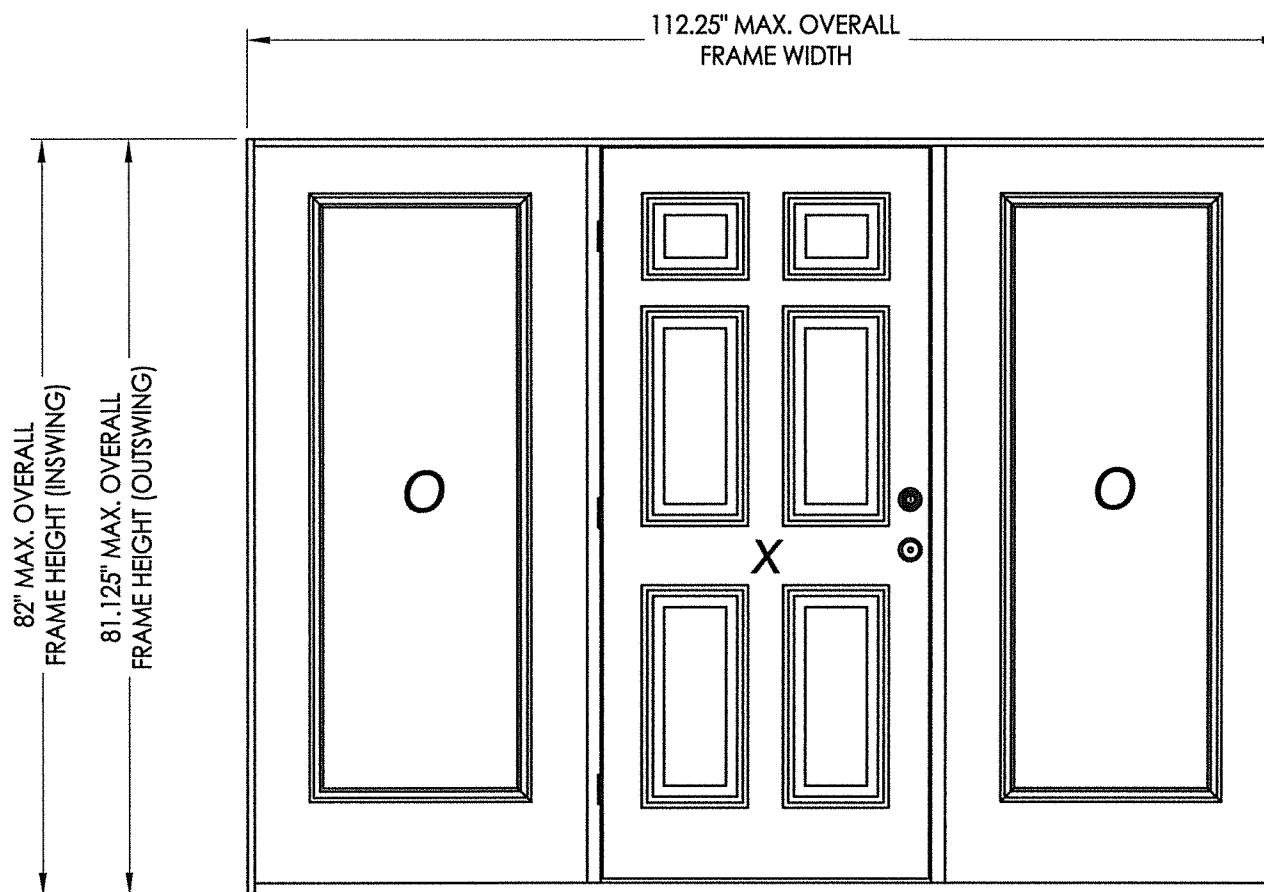
The Steel Door system described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

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. drawing.

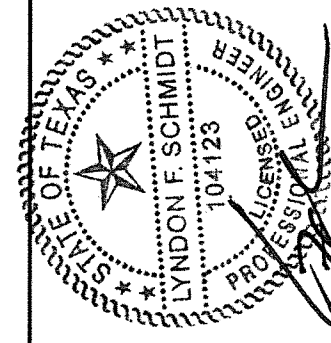
Conditions not covered by this drawing are subject to further engineering analysis.

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1	Typical elevations, design pressures & general notes
2	Door panel details
3	Slidelite panel details (lip lite insert glazing)
4	Horizontal cross sections
5	Vertical cross sections
6	Vertical cross sections
7	Frame anchoring



CONFIG.	MODEL	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
OXO	INSWING	+35.0	-35.0
OXO	OUTSWING	+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	11/10/21	LFS	UPDATE TO 2018 IBC/IRC CODE

DATE: 10/27/16

SCALE: N.T.S.

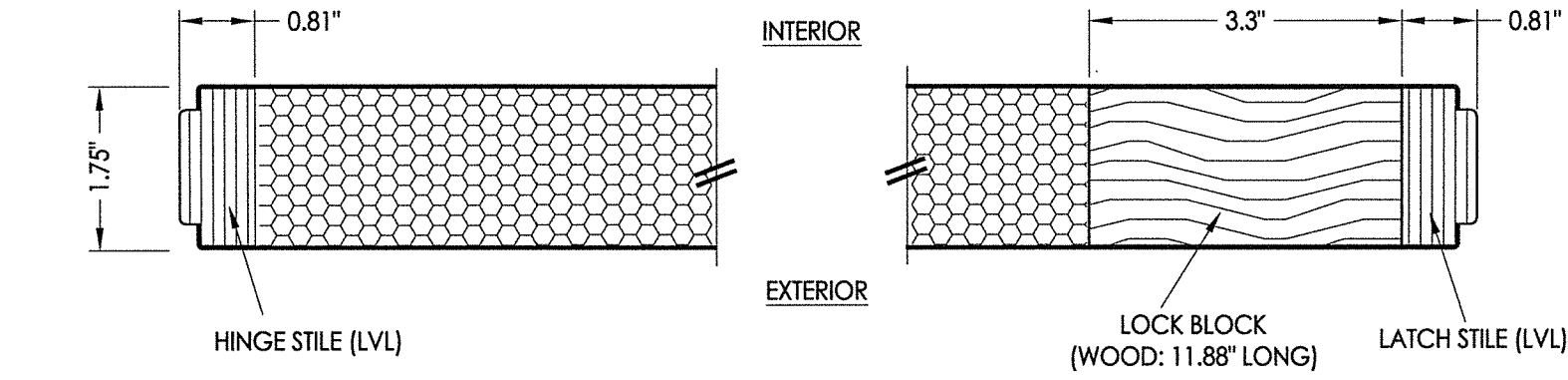
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CHK. BY: LFS

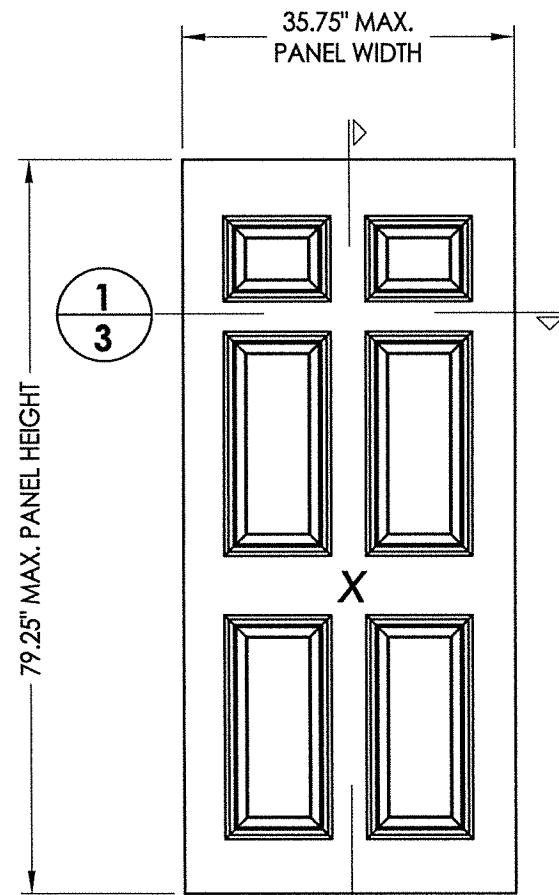
DRAWING NO.: TX-4640

SHEET 1 OF 7

Z:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-852 JELD-WEN Steel Opaque (L,KB)\C - Drawings\TX-4640.43.dwg

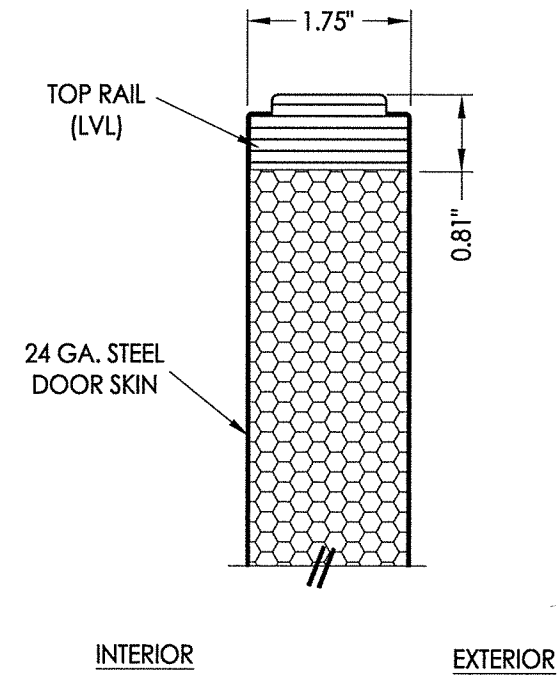


1
2
HORIZONTAL CROSS SECTION

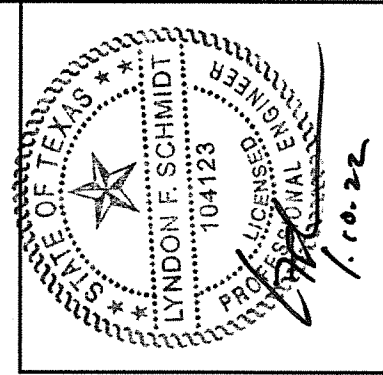


2
2
DOOR PANEL
JELD-WEN
Steel (Wood Edge)

DOOR SKIN: 24 GA. STEEL (0.022" MIN. THICKNESS)
CORE MATERIAL: POLYSTYRENE FOAM



2
2
VERTICAL CROSS SECTION



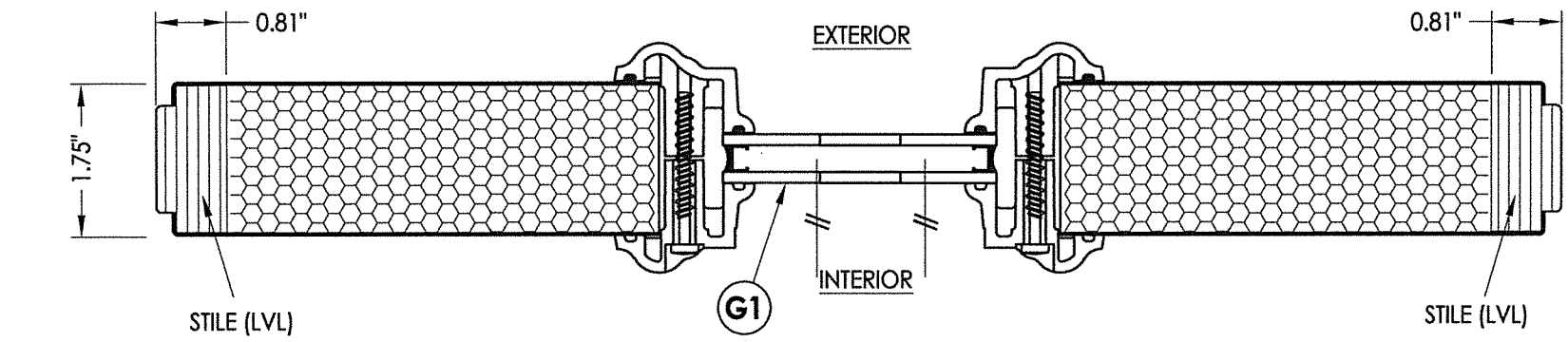
Documents Prepared By: Lyndon F. Schmidt, P.E.
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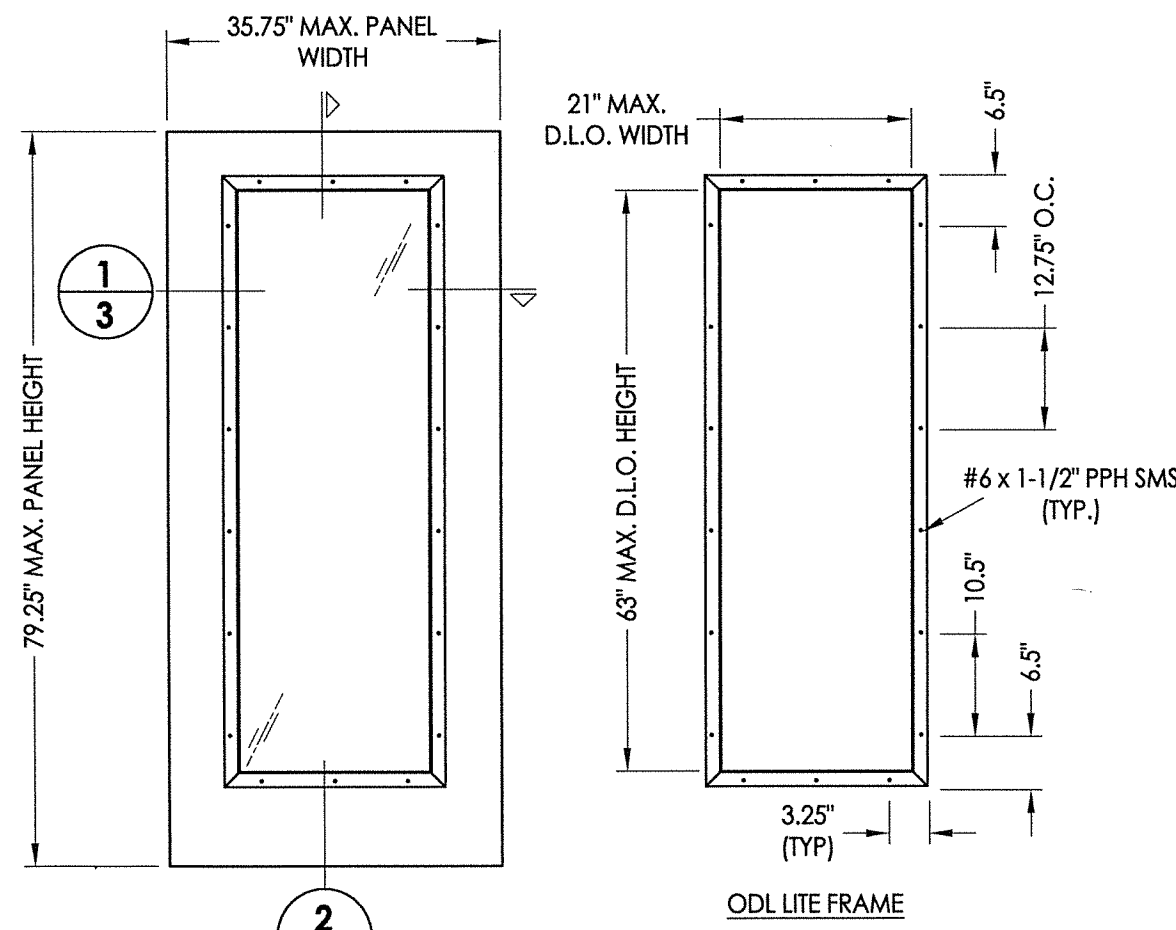
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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	ENDURA	
PART OR ASSEMBLY:	DOOR PANEL DETAILS & GLAZING DETAIL	
NO.	DATE	REVISIONS
1	11/10/21	UPDATE TO 2018 IBC/IRC CODE
LFS		BY
DATE: 10/27/16		
SCALE: N.T.S.		
DWG. BY: JK		
CHK. BY: LFS		
DRAWING NO.: TX-4640		
SHEET 2 OF 7		

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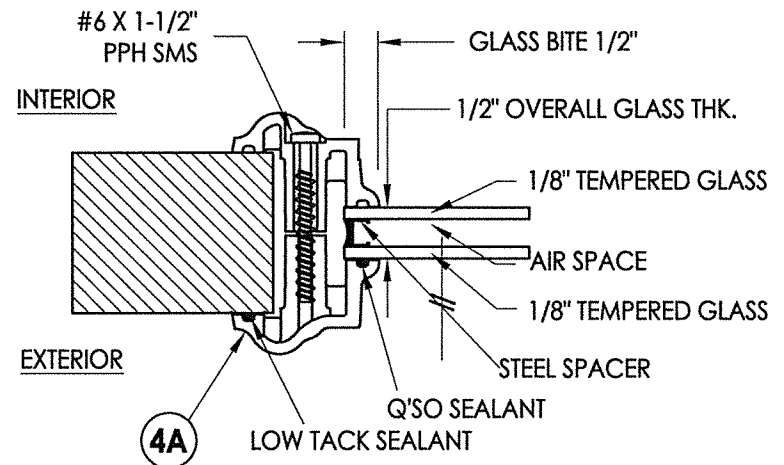


1
3 HORIZONTAL CROSS SECTION

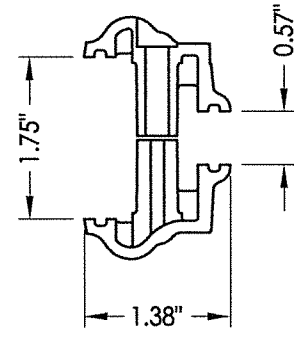


50 SIDELITE PANEL
JELD-WEN
Steel (Wood Edge)

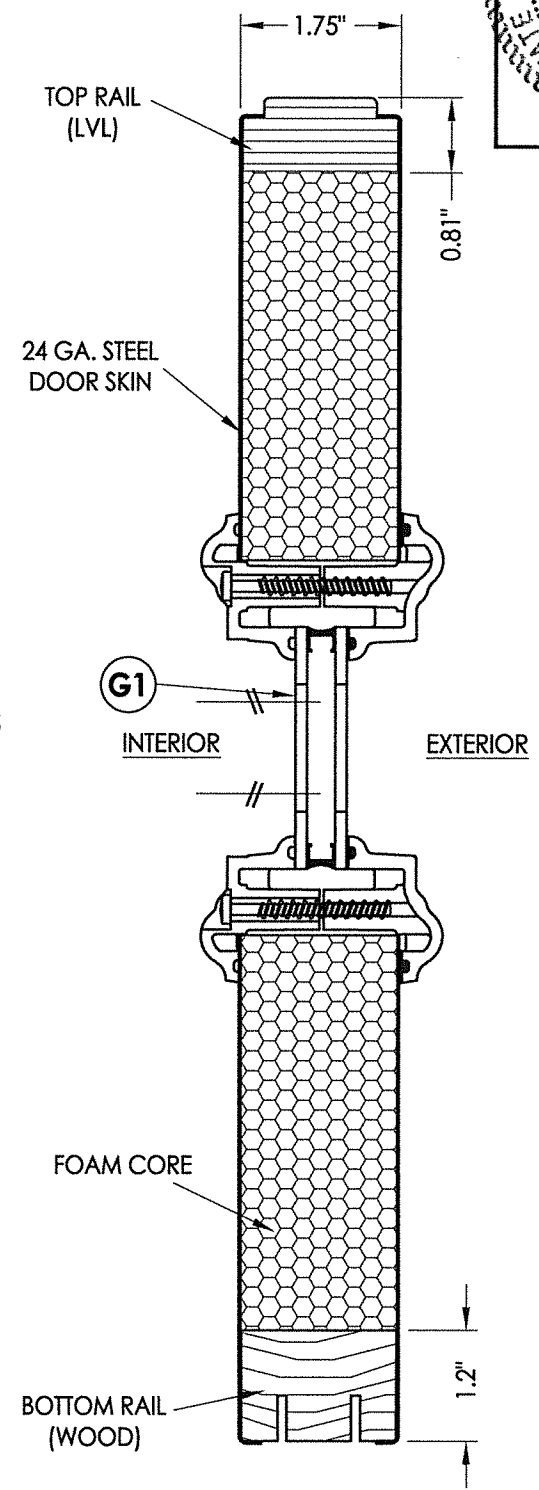
SIDELITE SKIN: 24 GA. STEEL (0.022" MIN. THICKNESS)
CORE MATERIAL: POLYSTYRENE FOAM



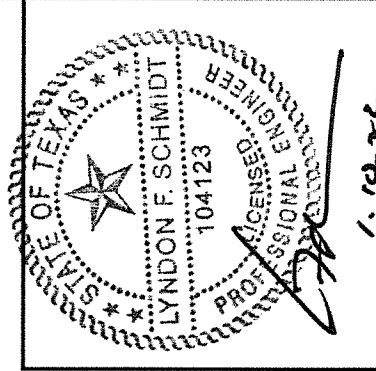
G1 GLAZING DETAIL



4A ODL LITE FRAME
HP Polypropylene



2
3 VERTICAL CROSS SECTION



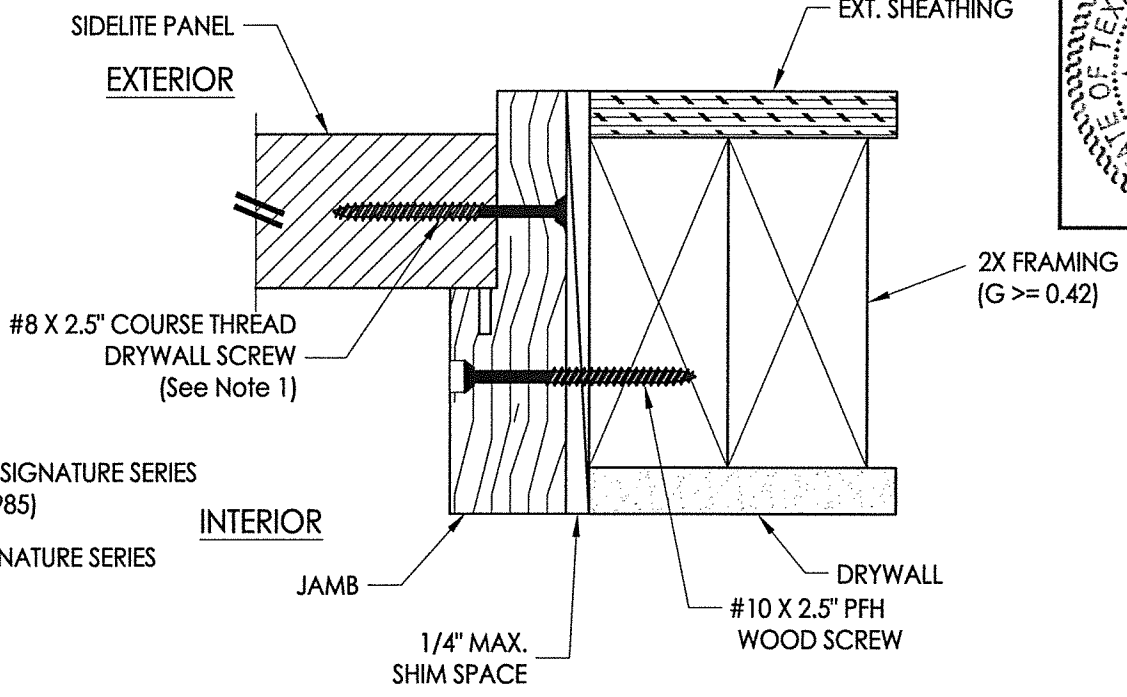
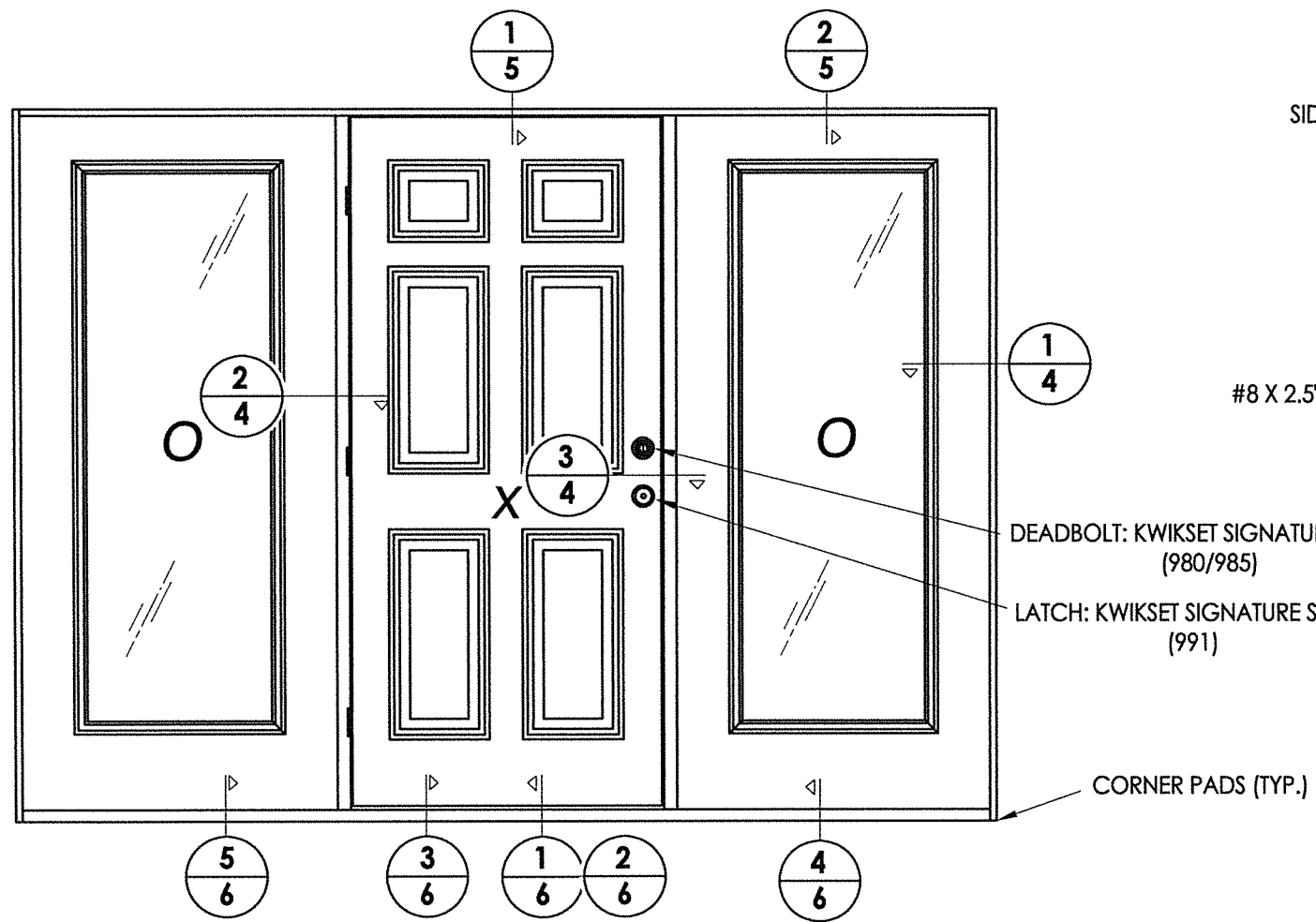
Documents Prepared By: Lyndon F. Schmidt, P.E.
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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ENDURA
PART OR ASSEMBLY: SIDELITE PANEL DETAILS (LIP LITE INSERT GLAZING)

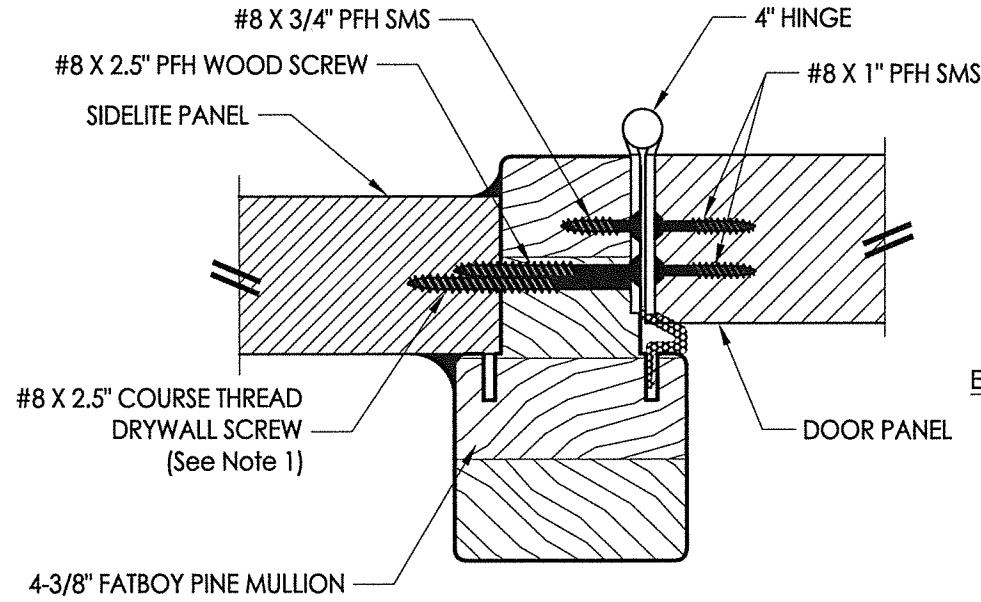
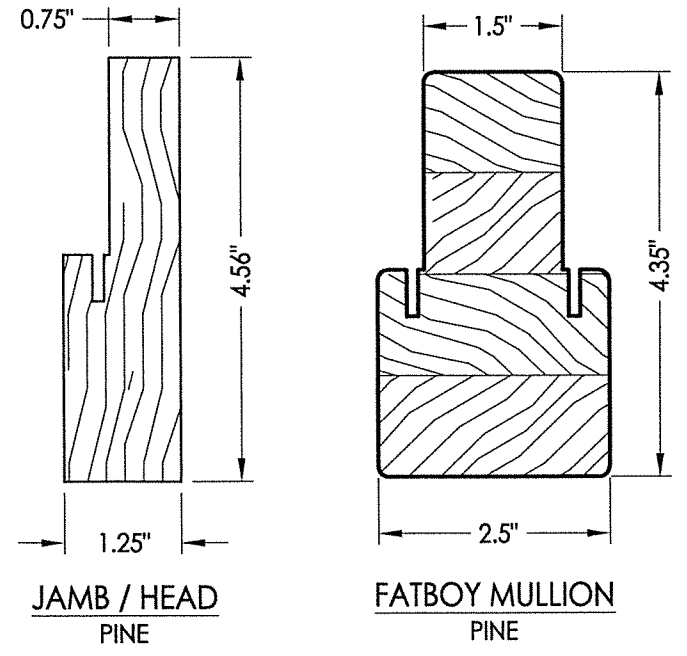
NO.	DATE	DESCRIPTION	BY
1	11/10/21	UPDATE TO 2018 IBC/IRC CODE	LFS

DATE: 10/27/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4640
SHEET 3 OF 7

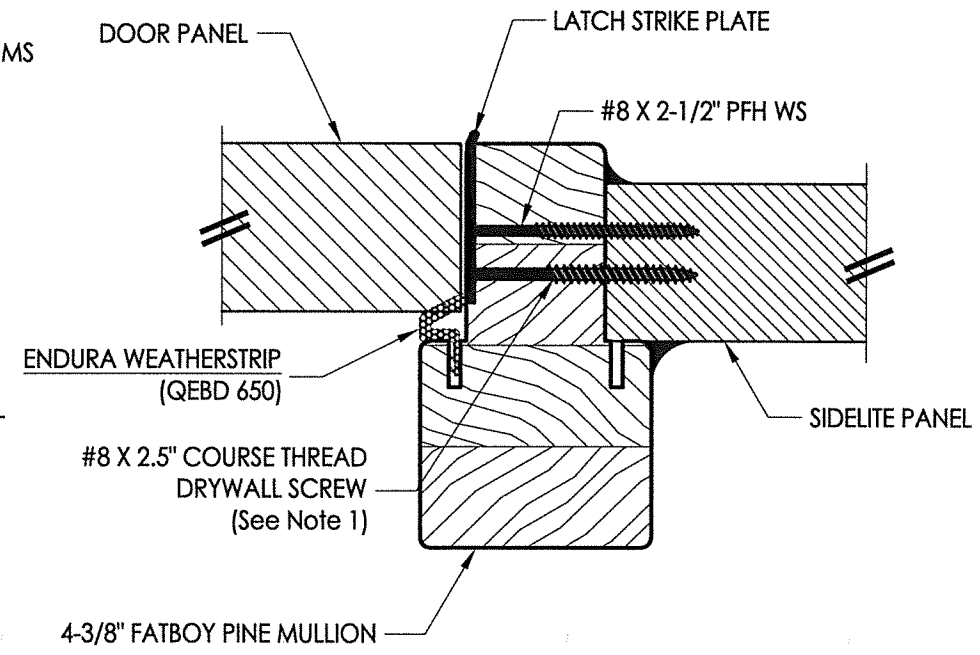
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1
4 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved

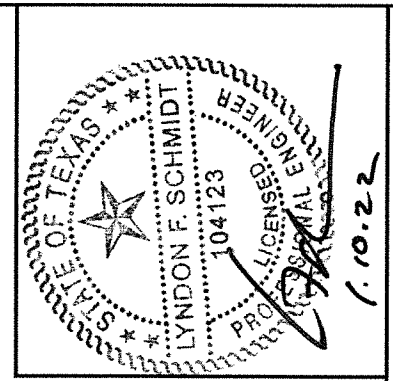


2
4 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved



3
4 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved

NOTE:
1. Spacing for sidelite screws: 6.5\", 38.5\"/>



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

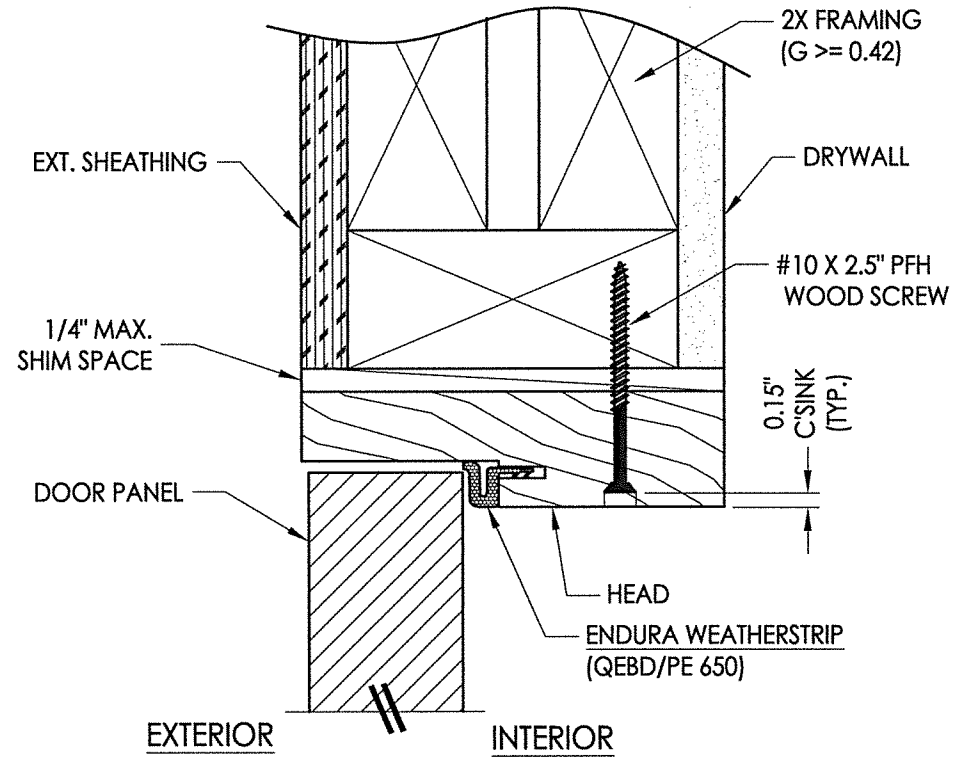
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P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

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

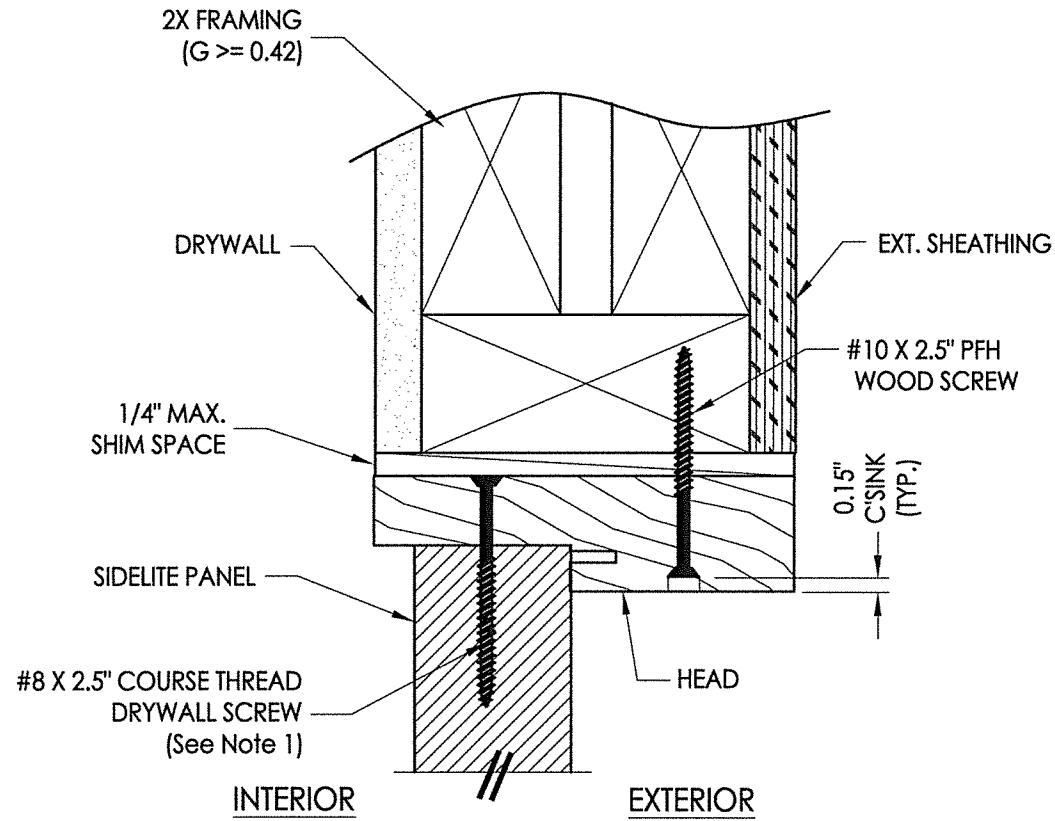
NO.	DATE	BY
1	11/10/21	LFS

DATE:	10/27/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4640
SHEET	4 OF 7

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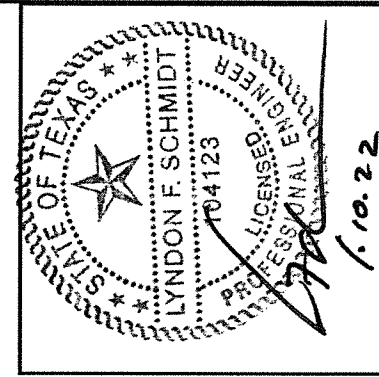


1 **VERTICAL CROSS SECTION**
5 Outswing shown - inswing also approved



2 **VERTICAL CROSS SECTION**
5 Inswing shown - Outswing also approved

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



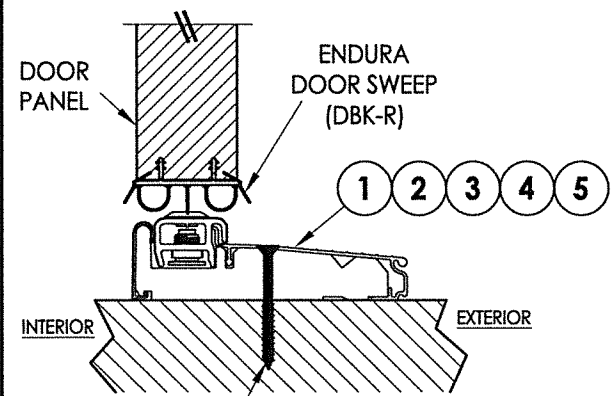
Documents Prepared By: Lyndon F. Schmidt, P.E.
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 Phone No.: 813.659.9197
 TEXAS BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ENDURA
 PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

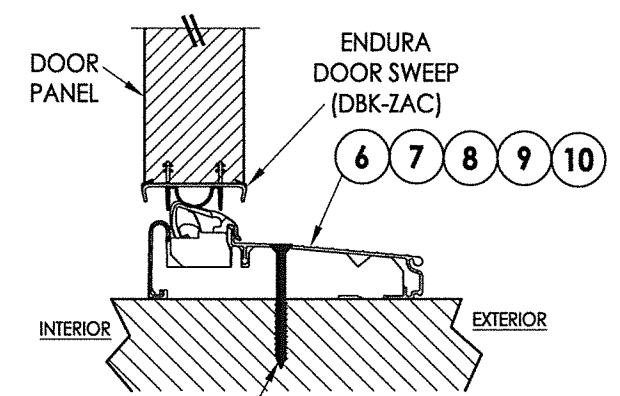
NO.	DATE	DESCRIPTION	BY
1	11/10/21	UPDATE TO 2018 IBC/IRC CODE	LFS

DATE: 10/27/16
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4640
 SHEET 5 OF 7



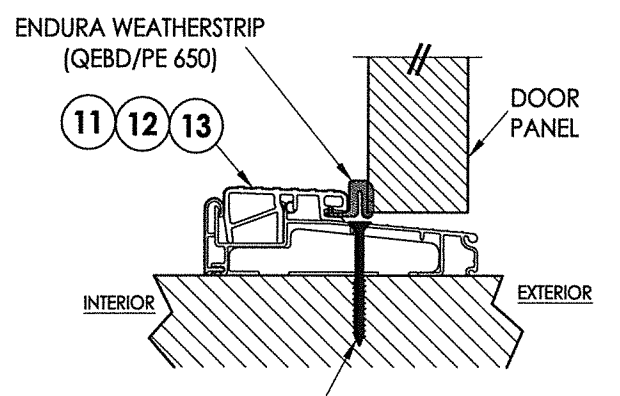
#10 X 2.5" PFH WOOD SCREW OR
1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW

1 VERTICAL CROSS SECTION
6 Inswing Adjustable Threshold



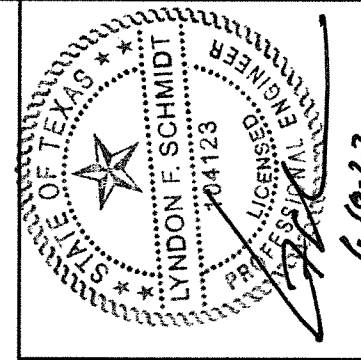
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1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW

2 VERTICAL CROSS SECTION
6 Inswing Articulating Threshold

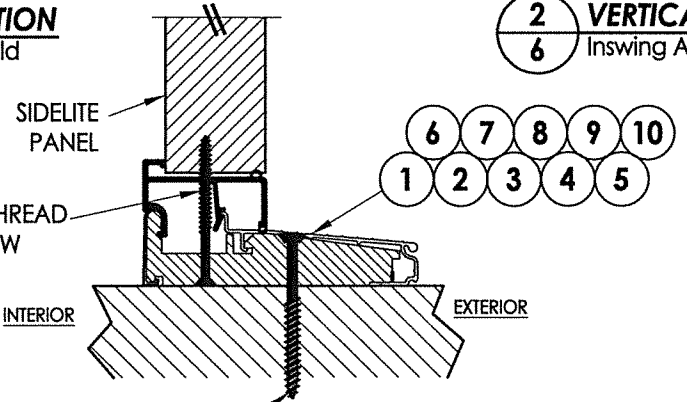


#10 X 2.5" PFH WOOD SCREW OR
1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW

3 VERTICAL CROSS SECTION
6 Outswing Bump Threshold



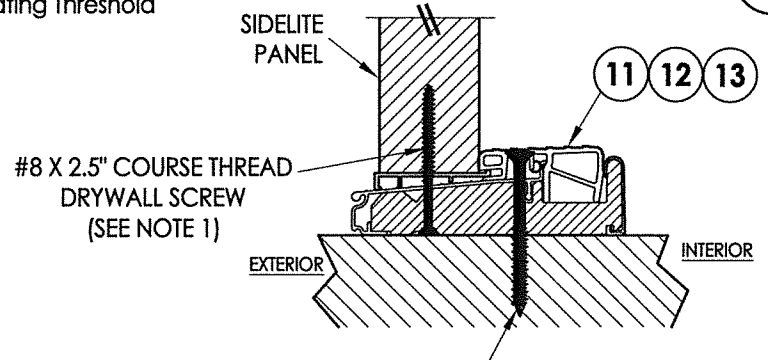
NOTE:
1. Spacing for sidelite screws:
6" from each end (2 total).



#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" DeWALT OR ITW CONCRETE SCREW

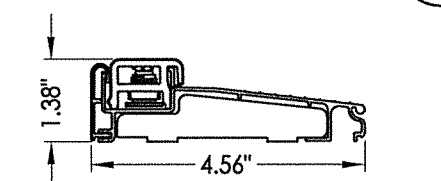
4 VERTICAL CROSS SECTION
6 Inswing configuration



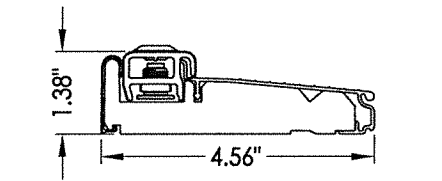
#8 X 2.5" COURSE THREAD
DRYWALL SCREW
(SEE NOTE 1)

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

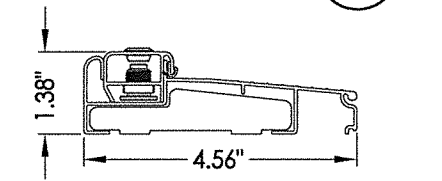
5 VERTICAL CROSS SECTION
6 Outswing configuration



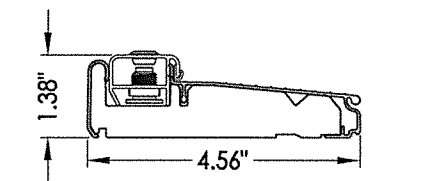
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ZAIL4565



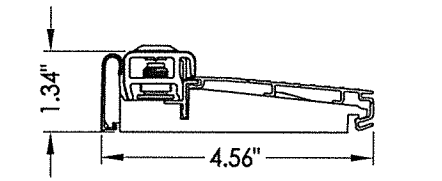
2 INSWING ADJUSTABLE THRESHOLD
ZAI4565FN



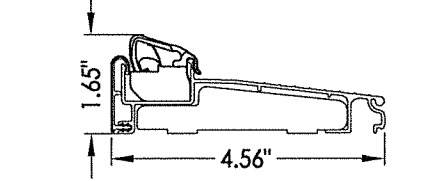
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ZAILAA4565



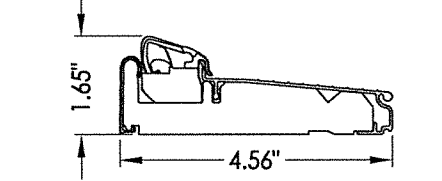
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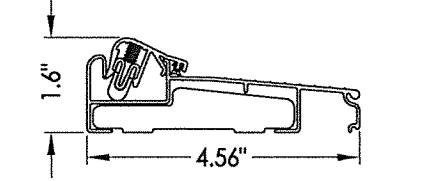
5 INSWING ADJUSTABLE THRESHOLD
ZAI4565RDS



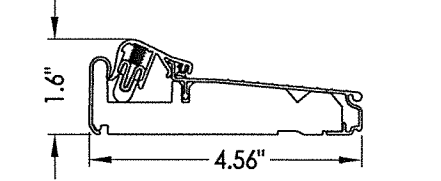
6 INSWING ARTICULATING THRESHOLD
ZACL4565



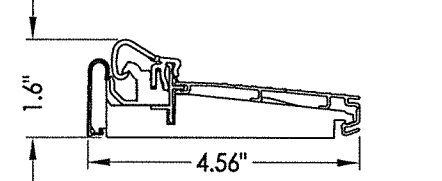
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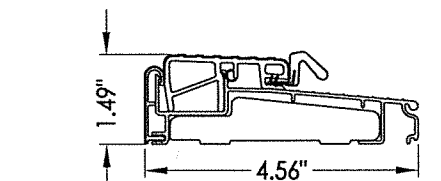
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ZACLA4565



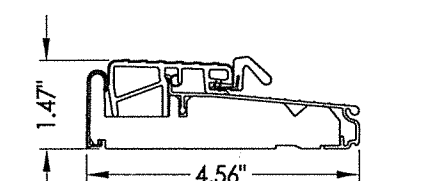
9 INSWING ARTICULATING THRESHOLD
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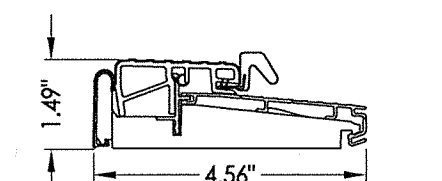
10 INSWING ARTICULATING THRESHOLD
ZAC4565RDS



11 OUTSWING THRESHOLD
ZOBL4565



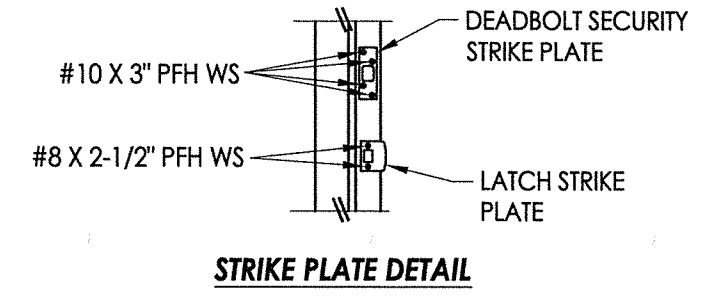
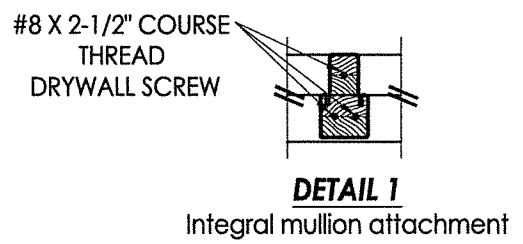
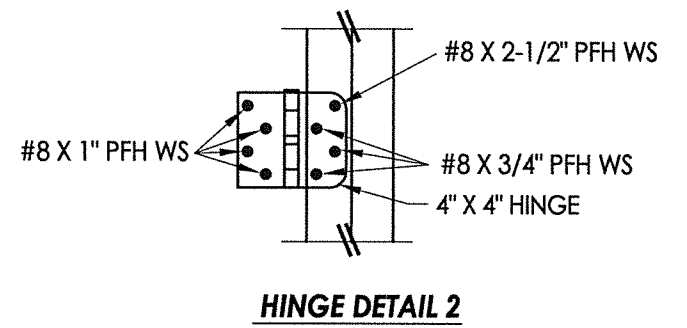
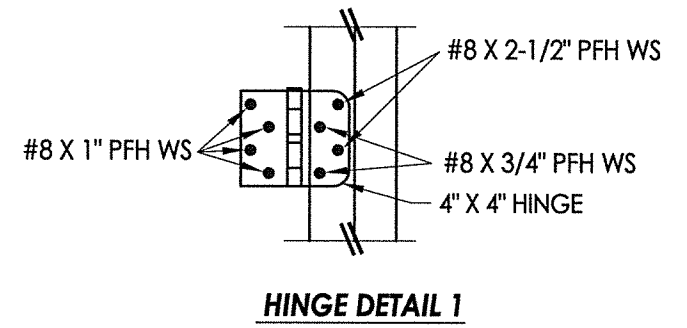
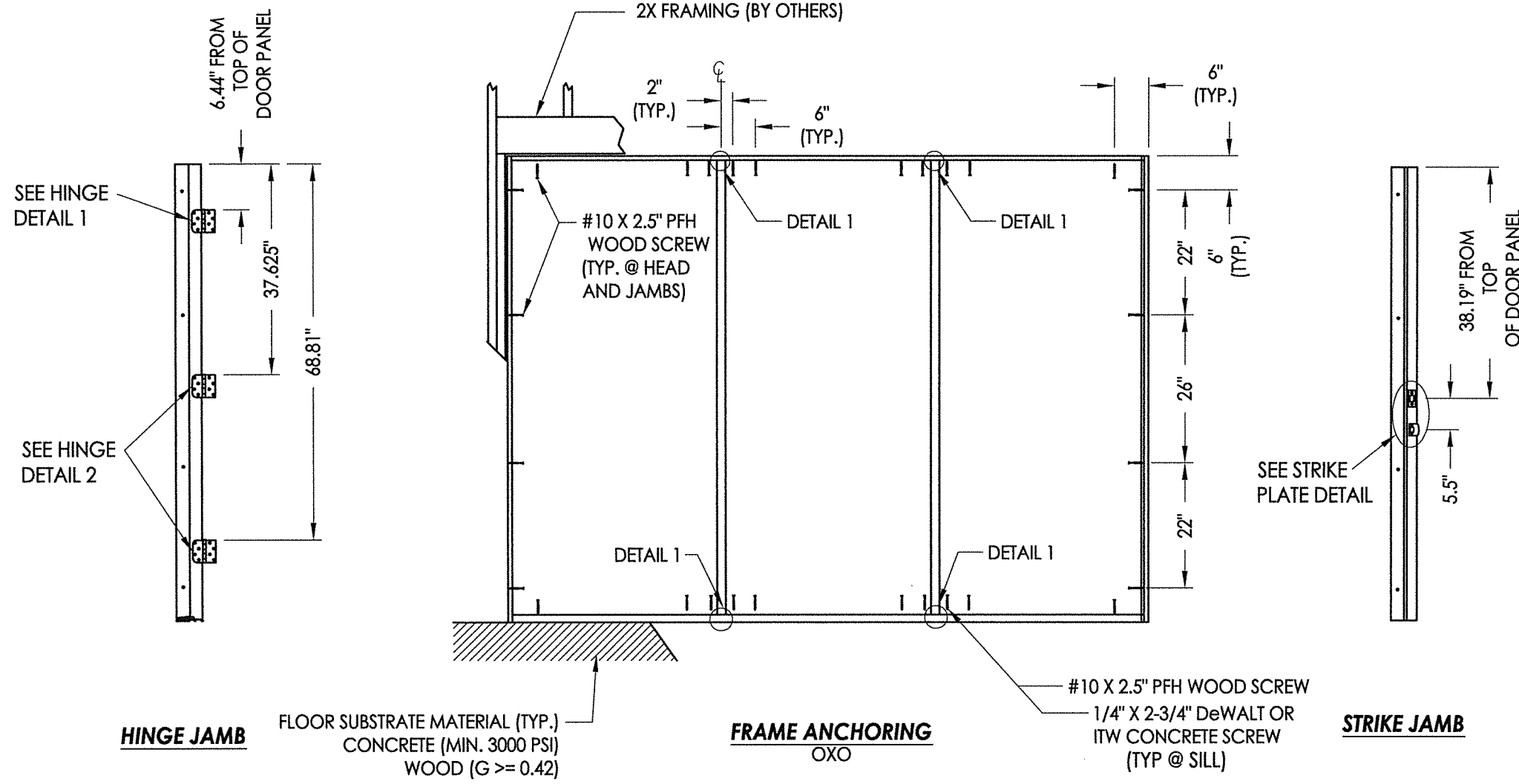
12 OUTSWING THRESHOLD
ZOB4565FN



13 OUTSWING THRESHOLD
ZOB4565RDS

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PRODUCT: ENDURA		PART OR ASSEMBLY: FIBERGLASS DOOR	
DATE: 10/27/16		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: TX-4640		SHEET 6 OF 7	
NO. DATE		LFS BY	
1 11/10/21 UPDATE TO 2018 IBC/IRC CODE		REVISIONS	

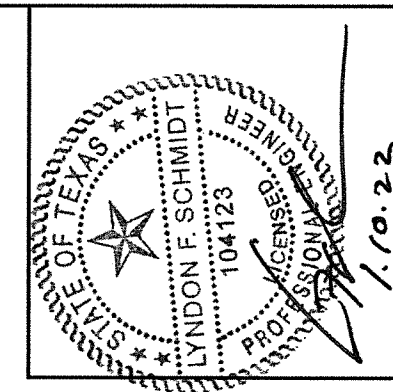
Z:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-852 JELD-WEN Steel Opaque (L,K,DB)\C - Drawings\TX-4640.43.dwg



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"
DeWALT ULTRACON+®	1/4"	1-3/4"	1"	4"



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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	ENDURA	
PART OR ASSEMBLY:	FRAME ANCHORING	
DATE:	10/27/16	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4640	
SHEET	7 OF 7	
NO.	DATE	BY
1	11/10/21	LFS
REVISIONS		