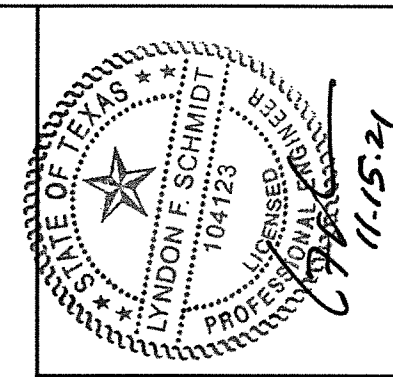
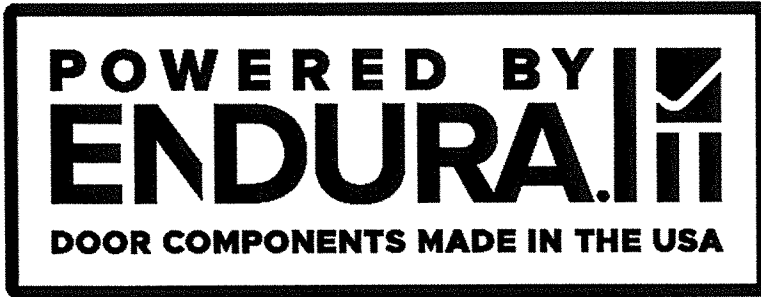


Z:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-1021 Flush GLZ Plastpro FG door (4910-4915)\C - Drawings\TX-4911,12,14,15.dwg



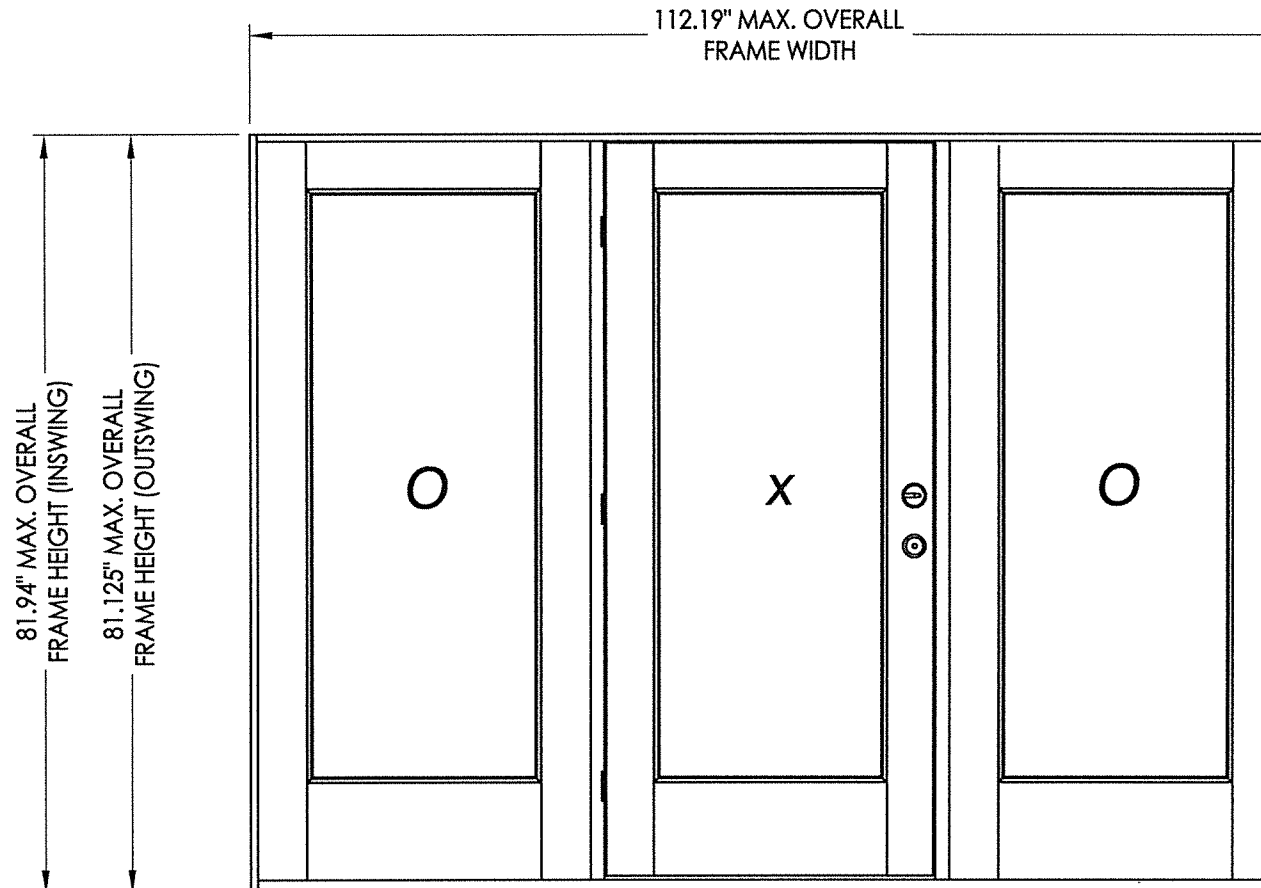
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Vairico FL 33595
Phone No.: 813.659.9197

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

Glazed Fiberglass Door

"NON-IMPACT"
INSWING / OUTSWING



EVALUATED FOR USE IN THE STATE OF TEXAS

TDI DR-1021

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.

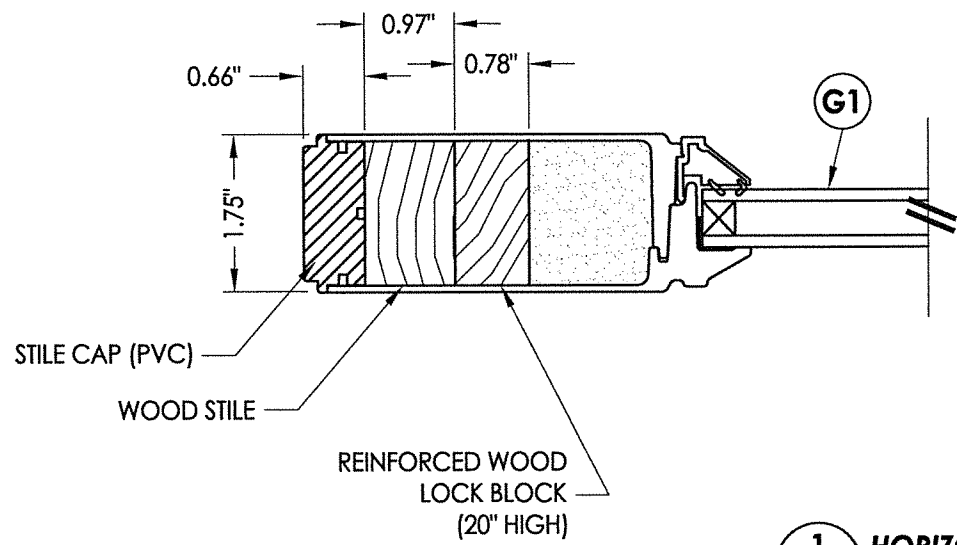
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details (flush glazing)
3	Slidelite panel details (flush glazing)
4	Horizontal cross sections
5	Vertical cross sections
6	Vertical cross sections
7	Frame anchoring

CONFIG.	GLAZING	MODEL	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
OXO	FLUSH GLAZED	INSWING	+60.0	-65.0
OXO	FLUSH GLAZED	OUTSWING	+60.0	-60.0

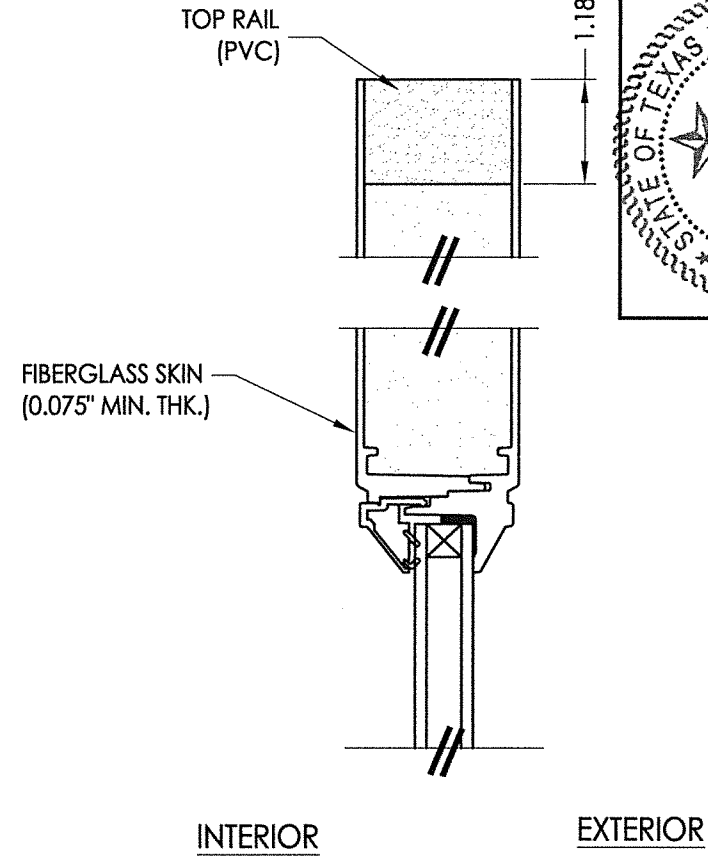
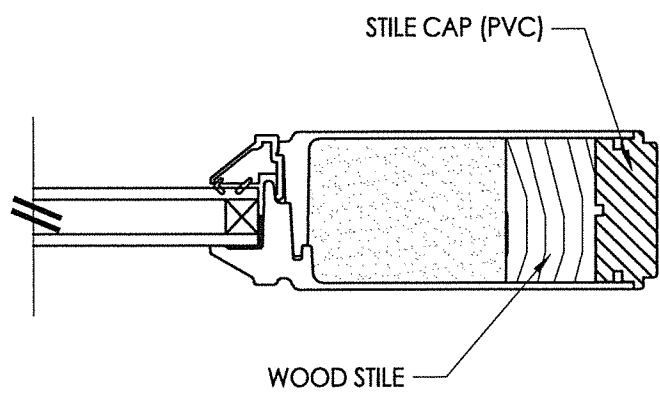
PRODUCT:	ENDURA
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
DATE	11/8/18
SCALE	N.T.S.
DWG. BY:	MT
CHK. BY:	LFS
DRAWING NO.:	TX-4911
SHEET	1 OF 7

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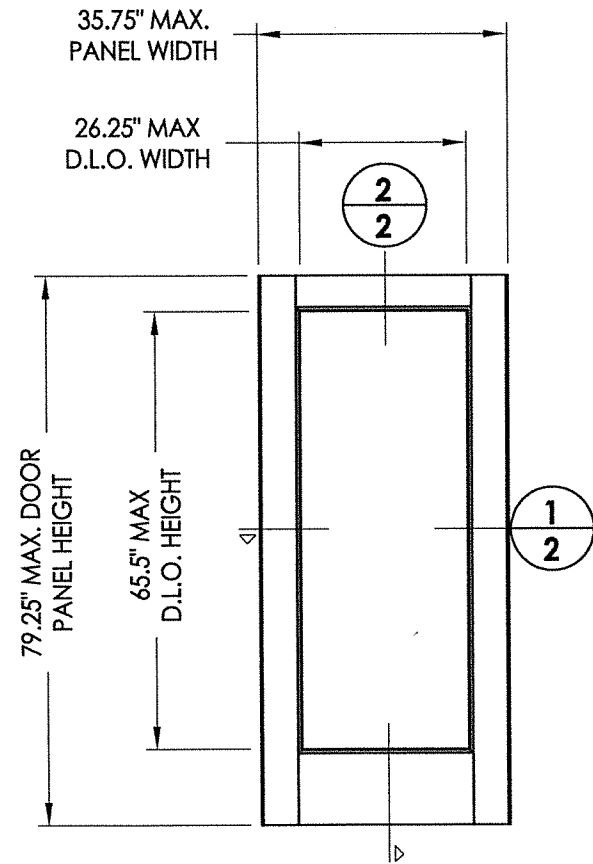
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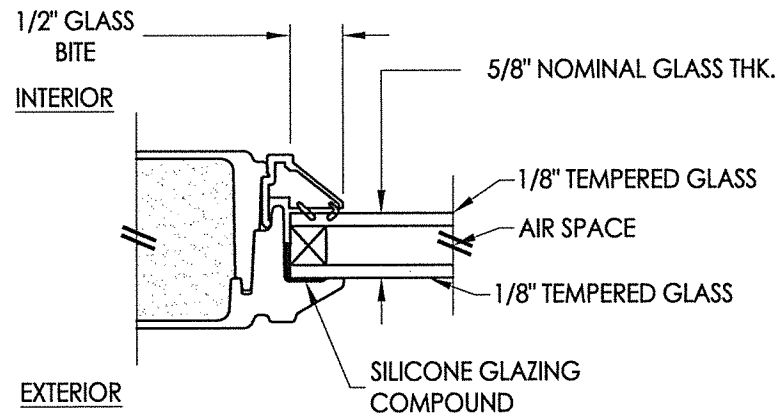
1
2 **HORIZONTAL CROSS SECTION**



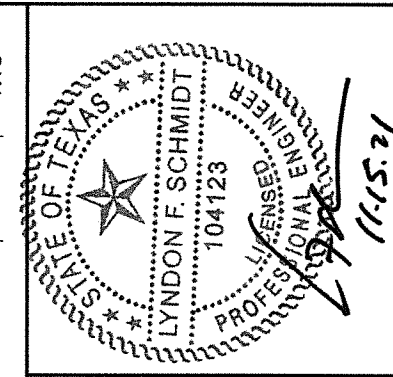
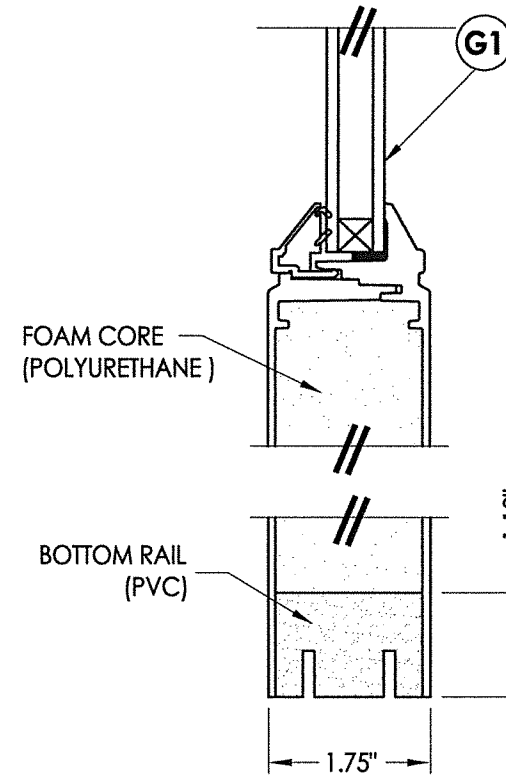
2
2 **VERTICAL CROSS SECTION**



PLASTPRO
Flush glazed
(Fiberglass)



G1 **GLAZING DETAIL**
Flush Glazing



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

PRODUCT: ENDURA

PART OR ASSEMBLY:
DOOR PANEL DETAILS
(FLUSH GLAZING)

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

DATE: 11/8/18

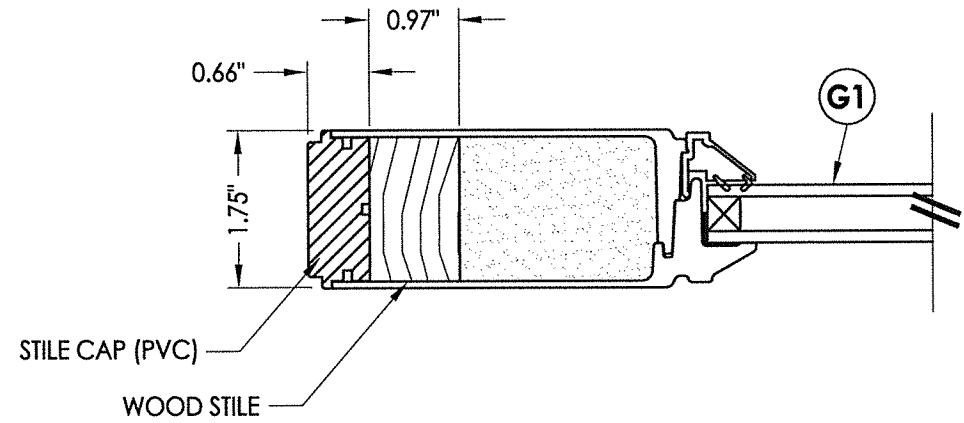
SCALE: N.T.S.

DWG. BY: MT

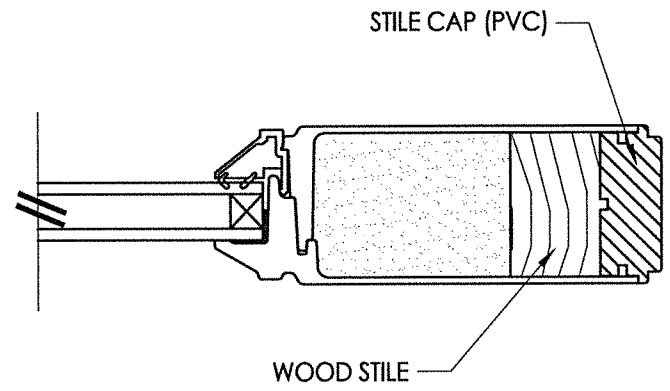
CHK. BY: LFS

DRAWING NO.: TX-4911

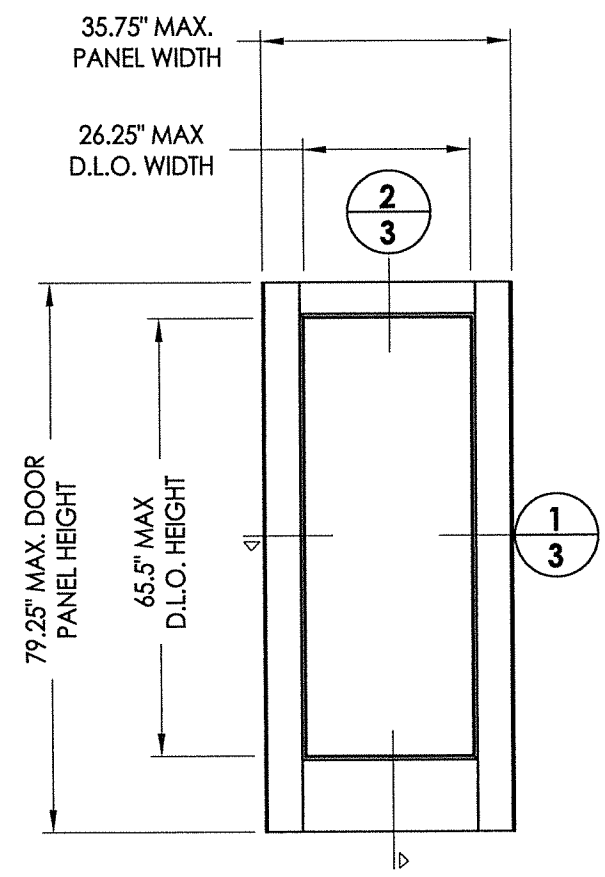
SHEET 2 OF 7



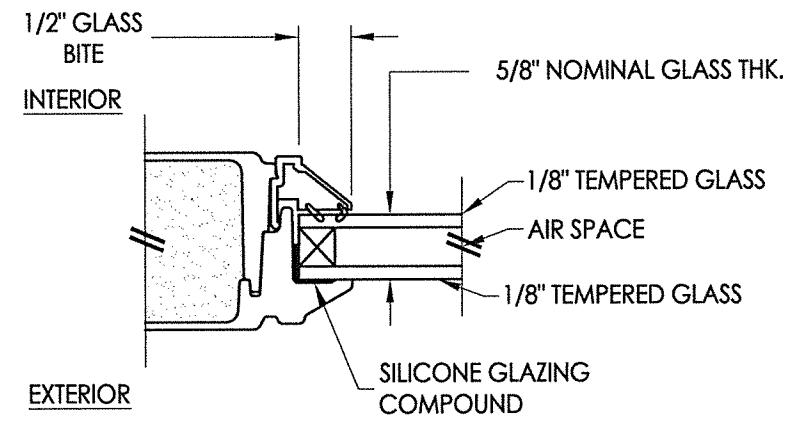
INTERIOR
EXTERIOR



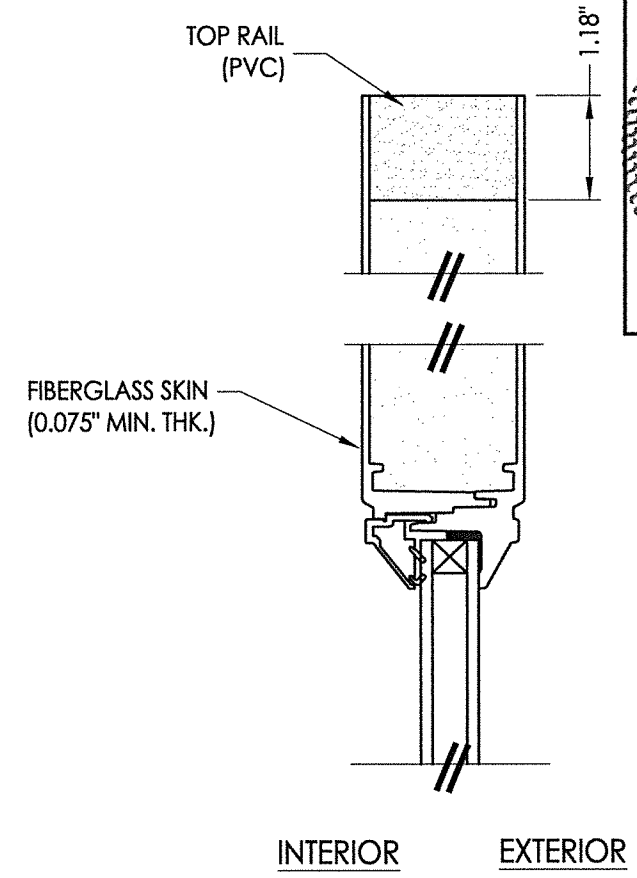
1
3 HORIZONTAL CROSS SECTION



PLASTPRO
Flush glazed
(Fiberglass)

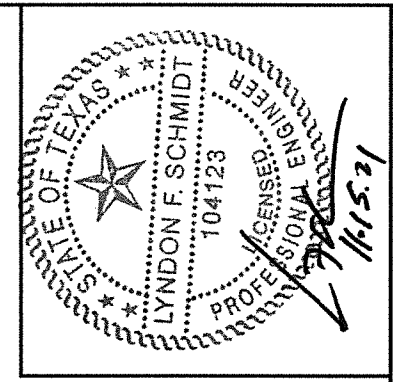


G1 GLAZING DETAIL
Flush Glazing



INTERIOR EXTERIOR

2
3 VERTICAL CROSS SECTION



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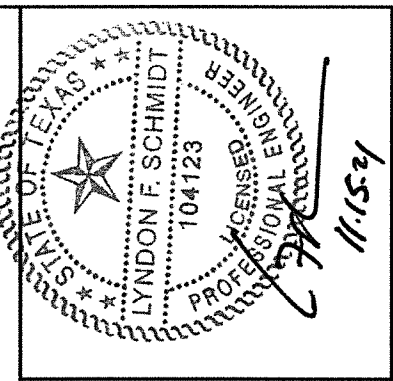
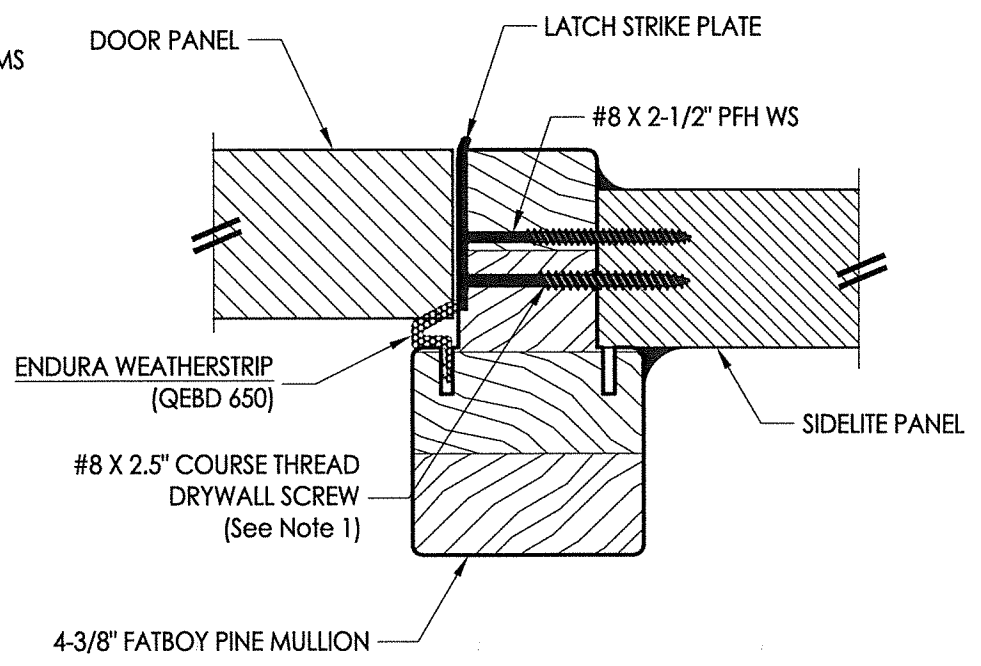
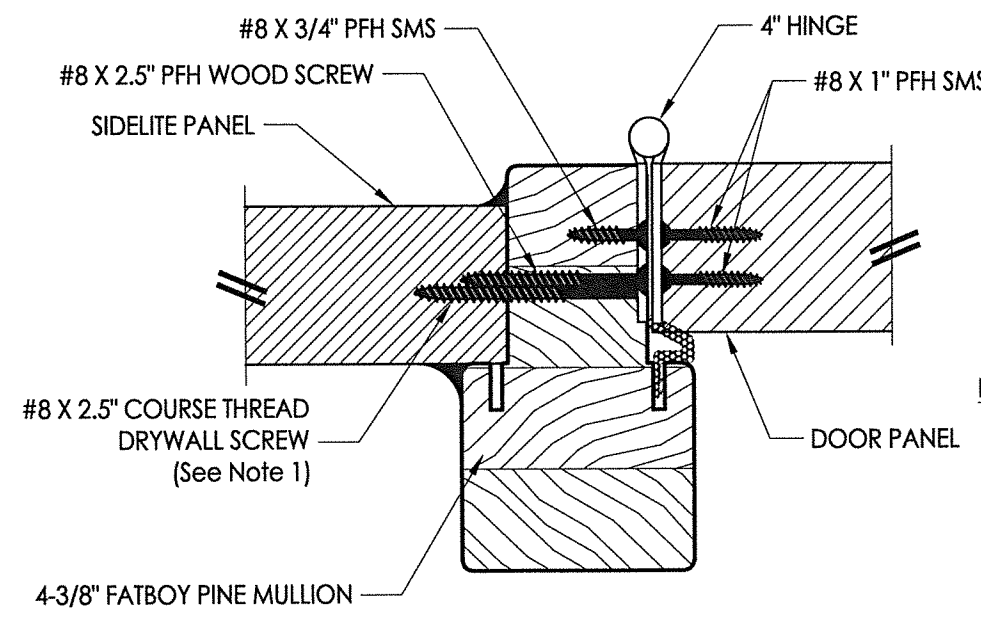
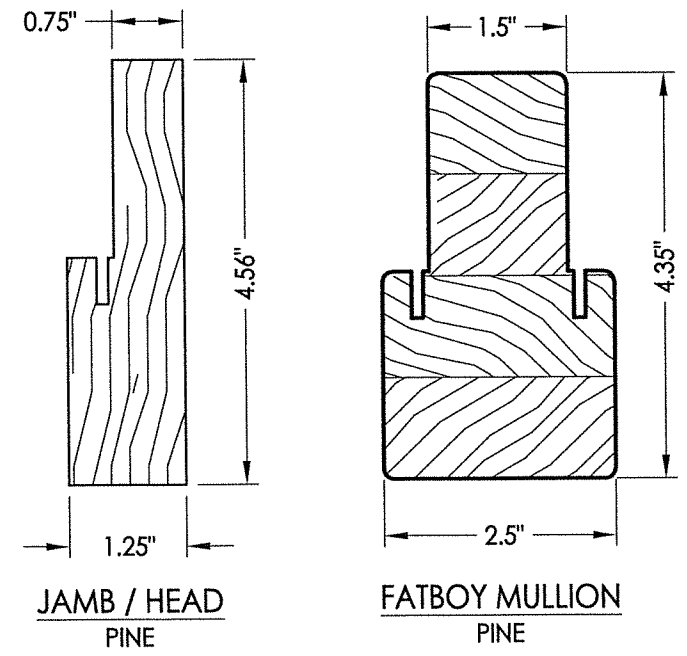
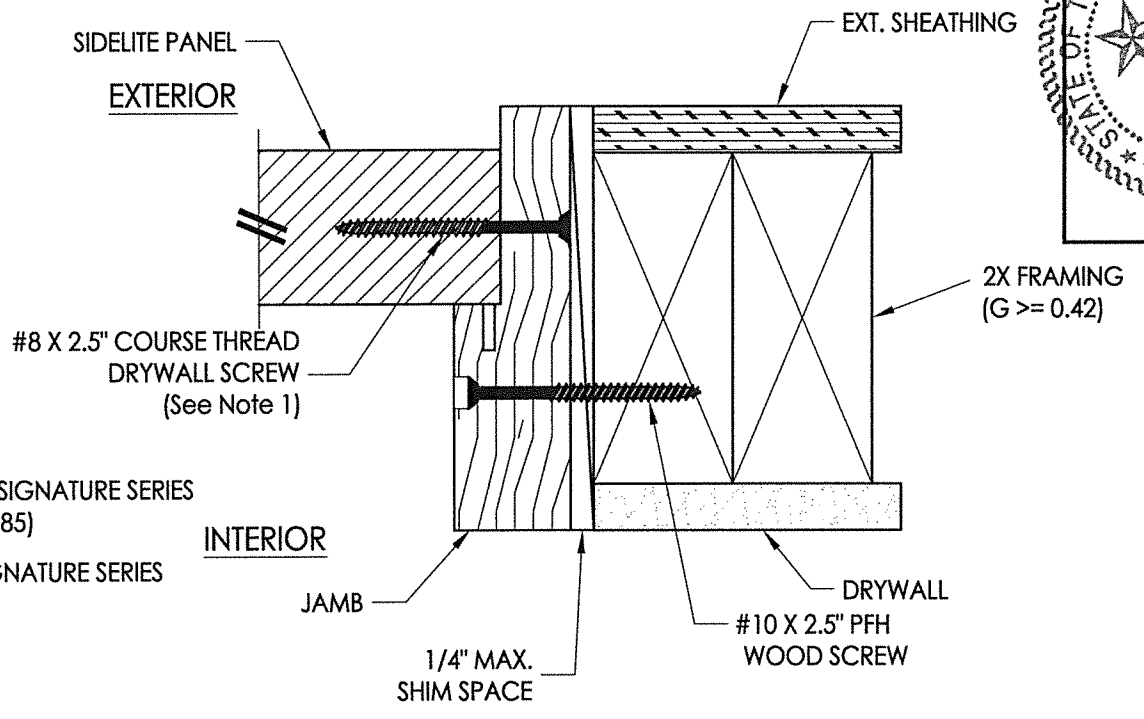
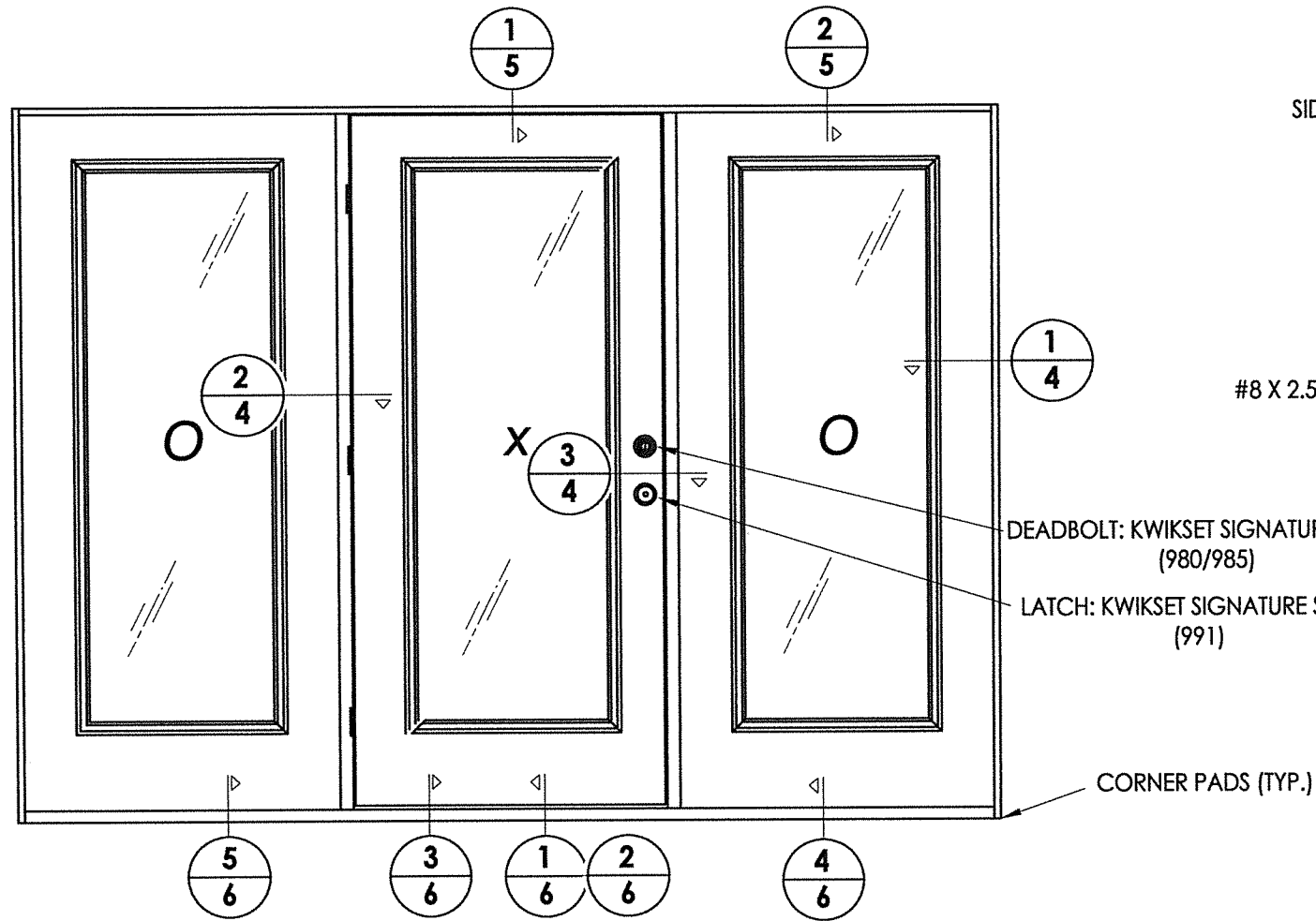
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Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ENDURA
PART OR ASSEMBLY: SIDELITE PANEL DETAILS (FLUSH GLAZING)

NO.	DATE	REVISIONS
1	11/10/21	UPDATE TO 2018 IBC/IRC CODE

DATE: 11/8/18
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: TX-4911
SHEET 3 OF 7

Z:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-1021 Flush GLZ Plastpro FG door (4910-4915)\C - Drawings\TX-4911,12,14,15.dwg



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 Phone No.: 813.659.9197
 TEXAS BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF REGISTRATION # F-11852

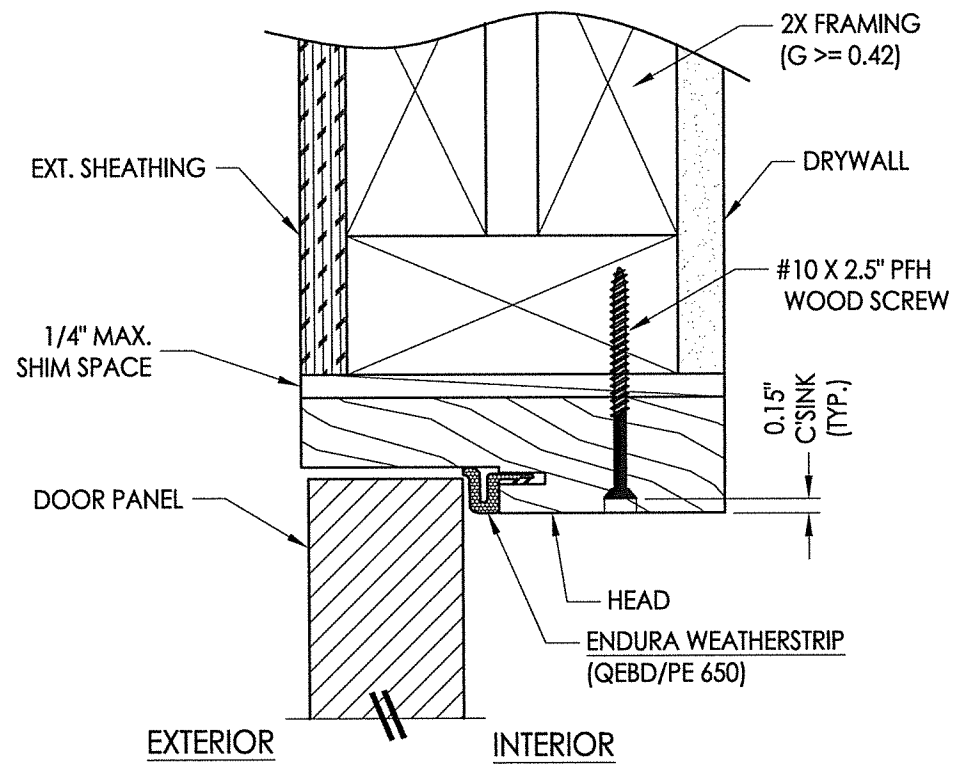
PRODUCT:	ENDURA
PART OR ASSEMBLY:	FIBERGLASS DOOR
	HORIZONTAL CROSS SECTIONS

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

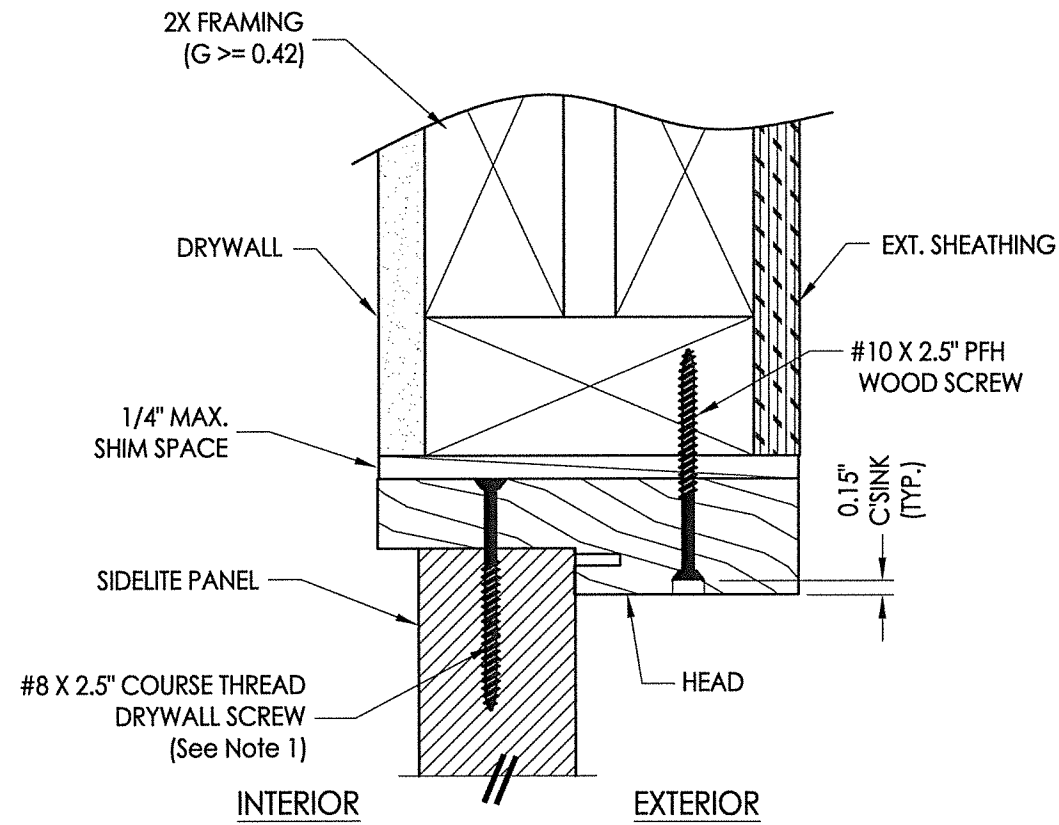
DATE:	11/8/18
SCALE:	N.T.S.
DWG. BY:	MT
CHK. BY:	LFS
DRAWING NO.:	TX-4911
SHEET	4 OF 7

NOTE:
 1. Spacing for sidelite screws: 6.5", 38.5" and 69" from head to sill (3 total).

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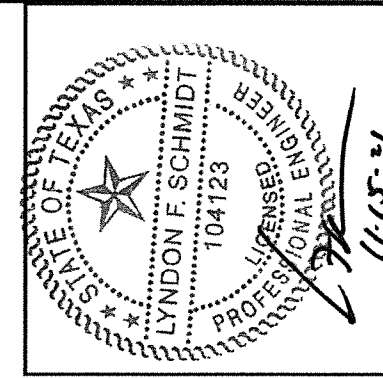


1 VERTICAL CROSS SECTION
5 Outswing shown - inswing also approved



2 VERTICAL CROSS SECTION
5 Inswing shown - Outswing also approved

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

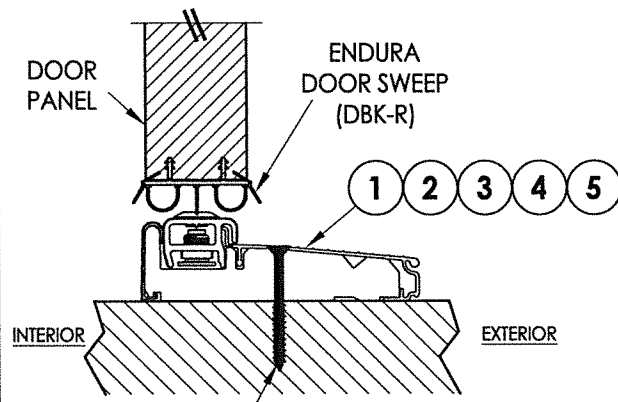


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RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: ENDURA	
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
NO.	DATE
1	11/10/21
UPDATE TO 2018 IBC/IRC CODE	
LFS	BY

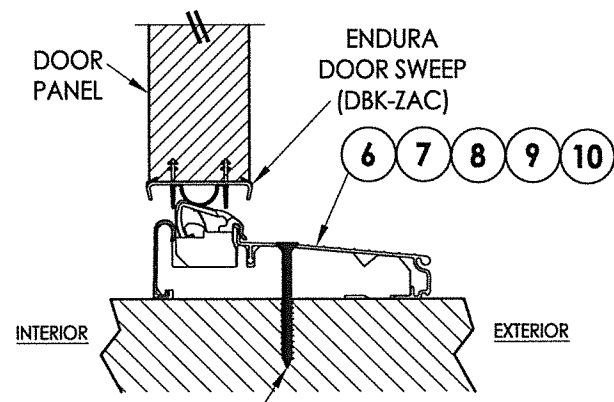
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SCALE:	N.T.S.
DWG. BY:	MT
CHK. BY:	LFS
DRAWING NO.:	TX-4911
SHEET	5 OF 7

Z:\Clients\Endura PERMANENT\B - Texas Dept of Ins\TDI - DR-1021 Flush GLZ Plastpro FG door (4910-4915)\C - Drawings\TX-4911,12,14,15.dwg



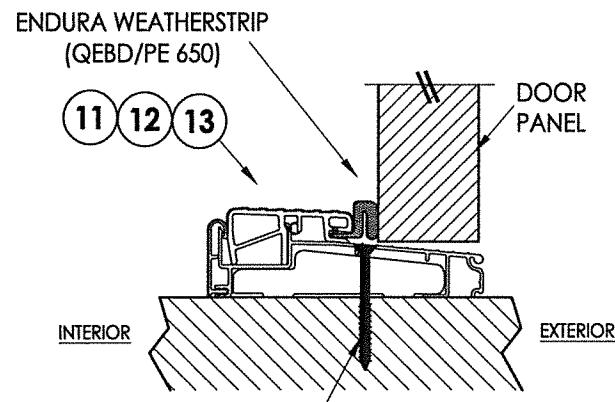
#10 X 2.5" PFH WOOD SCREW OR
1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW

1 VERTICAL CROSS SECTION
6 Inswing Adjustable Threshold



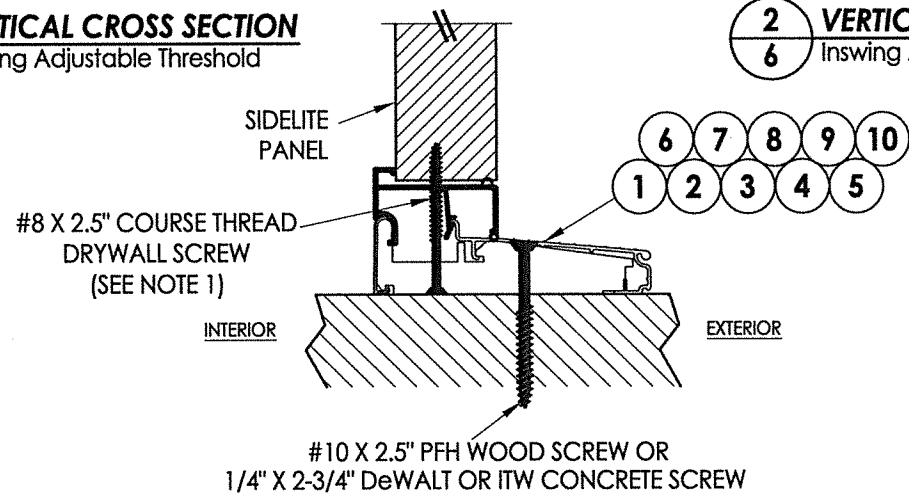
#10 X 2.5" PFH WOOD SCREW OR
1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW

2 VERTICAL CROSS SECTION
6 Inswing Articulating Threshold



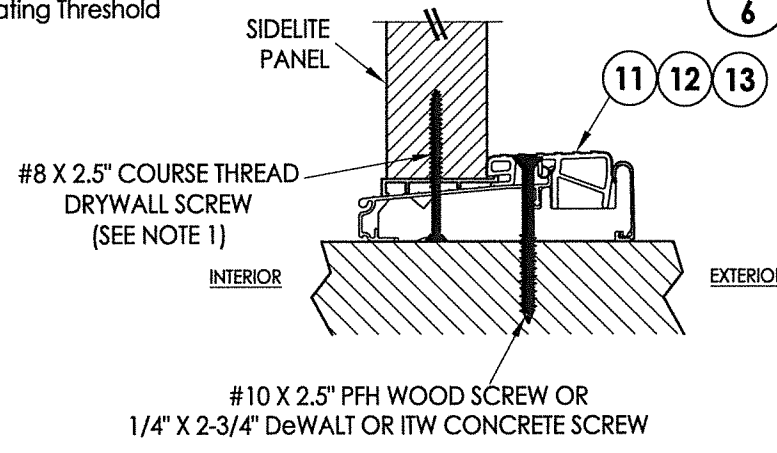
#10 X 2.5" PFH WOOD SCREW OR
1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW

3 VERTICAL CROSS SECTION
6 Outswing Bump Threshold



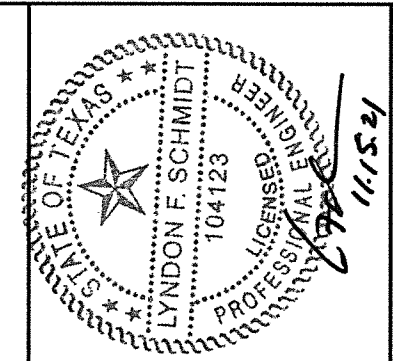
#10 X 2.5" PFH WOOD SCREW OR
1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW

4 VERTICAL CROSS SECTION
6 Inswing configuration



#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

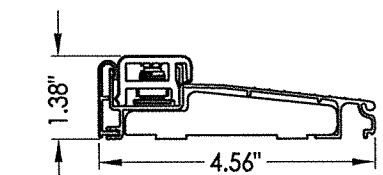


NOTE:
1. Spacing for sidelite screws:
6" from each end (2 total).

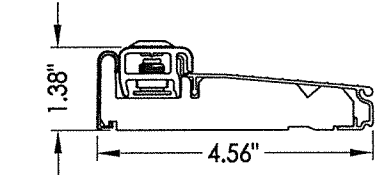
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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Phone No.: 813.659.9197

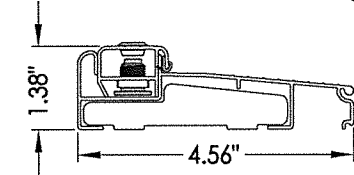
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CERTIFICATE OF REGISTRATION # F-11852



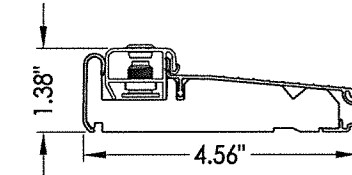
1 INSWING ADJUSTABLE THRESHOLD
ZAIL4565



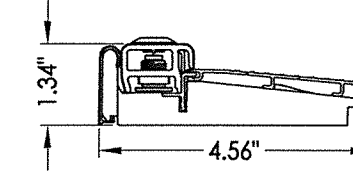
2 INSWING ADJUSTABLE THRESHOLD
ZAI4565FN



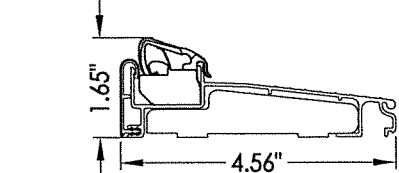
3 INSWING ADJUSTABLE THRESHOLD
ZAIAA4565



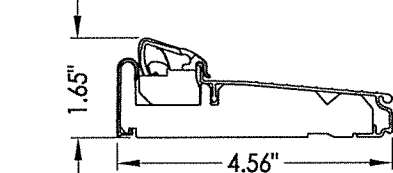
4 INSWING ADJUSTABLE THRESHOLD
ZAIAA4565FN



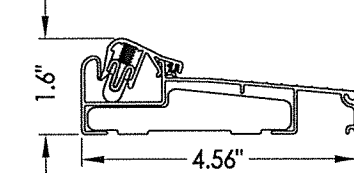
5 INSWING ADJUSTABLE THRESHOLD
ZAI4565RDS
MAX. DESIGN PRESSURE = ±50 PSF



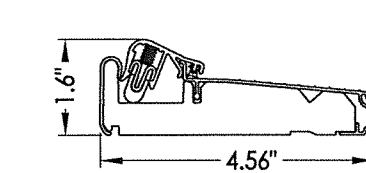
6 INSWING ARTICULATING THRESHOLD
ZAAL4565



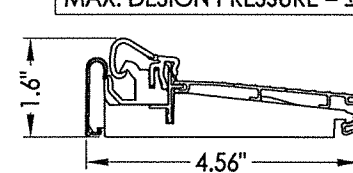
7 INSWING ARTICULATING THRESHOLD
ZAC4565FN



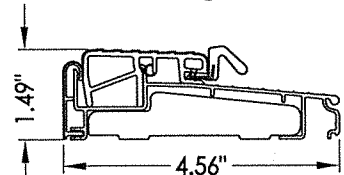
8 INSWING ARTICULATING THRESHOLD
ZAALAA4565



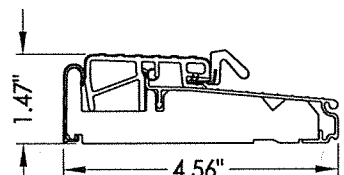
9 INSWING ARTICULATING THRESHOLD
ZACAA4565FN



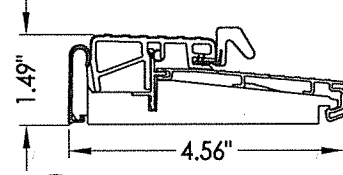
10 INSWING ARTICULATING THRESHOLD
ZAC4565RDS
MAX. DESIGN PRESSURE = ±45 PSF



11 OUTSWING THRESHOLD
ZOBL4565



12 OUTSWING THRESHOLD
ZOBL4565FN

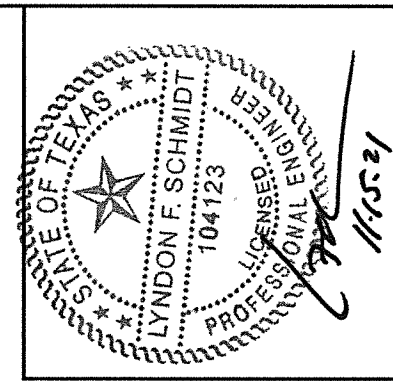


13 OUTSWING THRESHOLD
ZOBL4565RDS
MAX. DESIGN PRESSURE = ±55 PSF

PRODUCT:	ENDURA	
PART OR ASSEMBLY:	FIBERGLASS DOOR	
VERTICAL CROSS SECTIONS		
NO.	DATE	REVISIONS
1	11/10/21	UPDATE TO 2018 IBC/IRC CODE
		LFS
		BY
DATE:	11/8/18	
SCALE:	N.T.S.	
DWG. BY:	MT	
CHK. BY:	LFS	
DRAWING NO.:	TX-4911	
SHEET	6	OF 7

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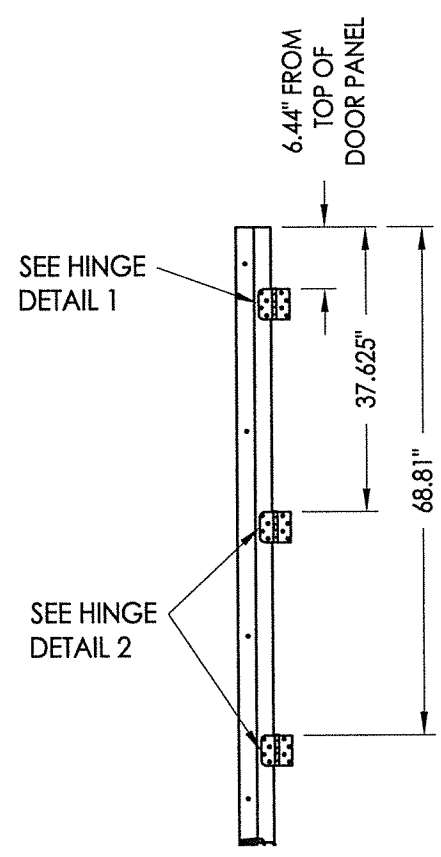
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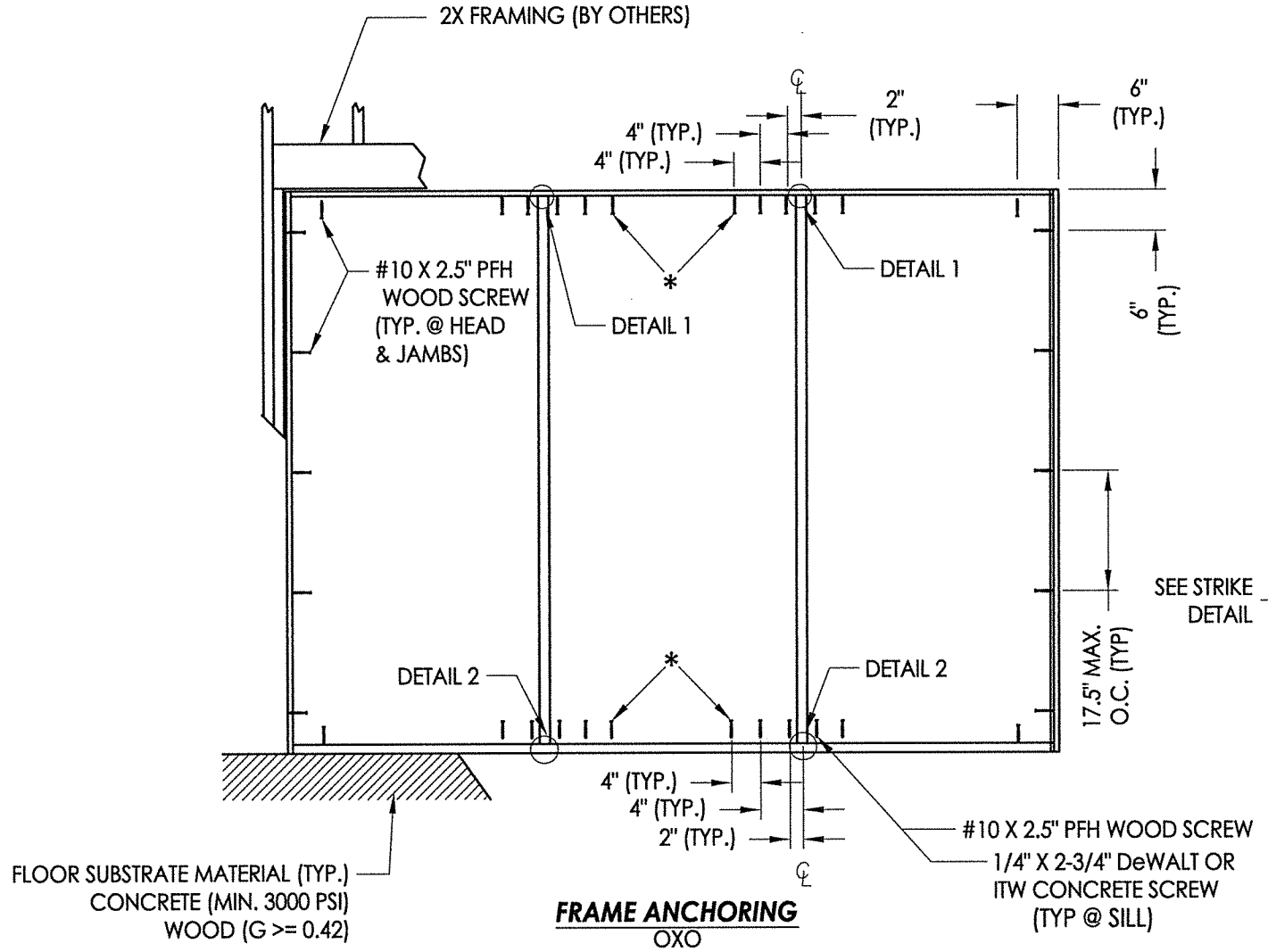
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL, 33595
Phone No.: 813.659.9197

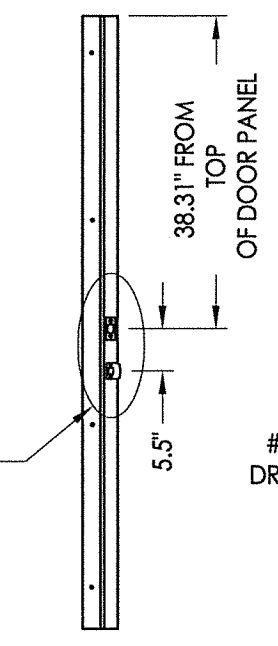
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852



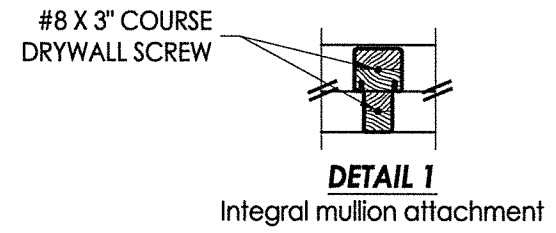
HINGE JAMB



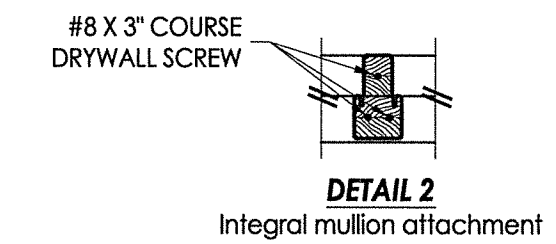
FRAME ANCHORING OXO



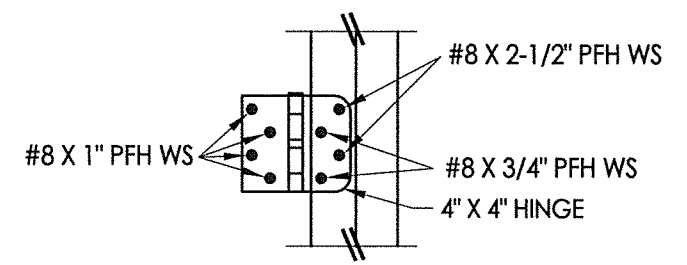
STRIKE JAMB



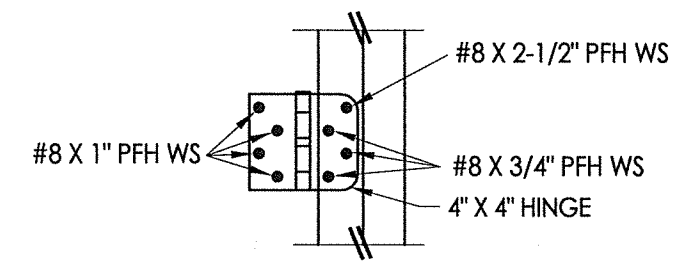
DETAIL 1
Integral mullion attachment



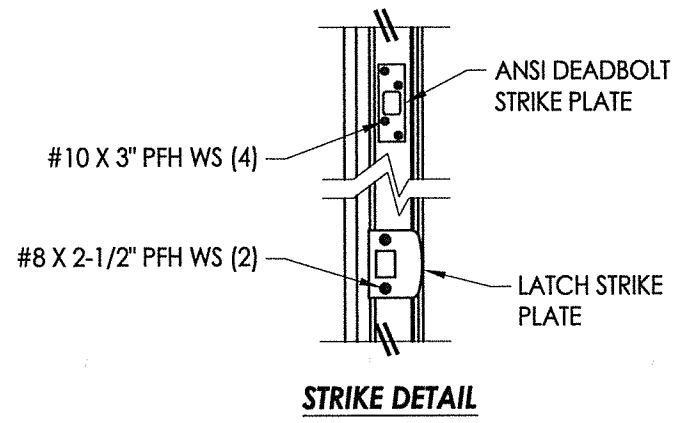
DETAIL 2
Integral mullion attachment



HINGE DETAIL 1



HINGE DETAIL 2



STRIKE DETAIL

* NOTE: These anchors required for D.P. > 45 PSF.

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"

PRODUCT:	ENDURA	
PART OR ASSEMBLY:	FRAME ANCHORING	
NO.	DATE	BY
1	11/10/21	LFS
UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		
DATE:	11/8/18	
SCALE:	N.T.S.	
DWG. BY:	MT	
CHK. BY:	LFS	
DRAWING NO.:	TX-4911	
SHEET	7 OF 7	