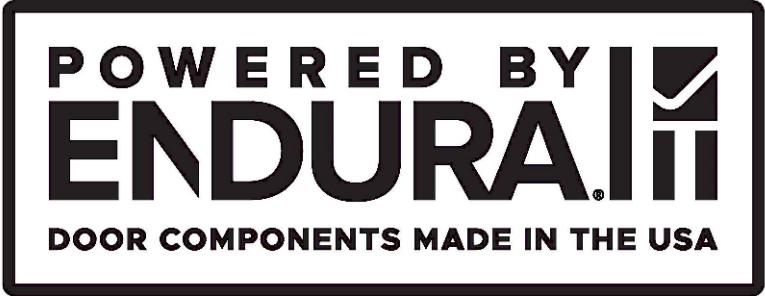


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Ultimate Flip Lever Astragal

INSWING / OUTSWING

"NON-IMPACT"

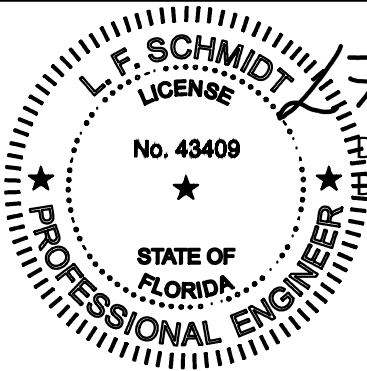
GENERAL NOTES

- 1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- 2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
- 4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 5. This product has been tested and is approved for use in the door panels as specified in this approval. Substitution into a similar product that possess a comparable current Florida Statewide product approval may be approved for use by the local Authority Having Jurisdiction.
- 6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures and general notes
2	Astragal details
3	Door panel details
4	Horizontal and vertical cross sections
5	Threshold details
6	Buck and frame anchoring

Ultimate Flip Lever Astragal

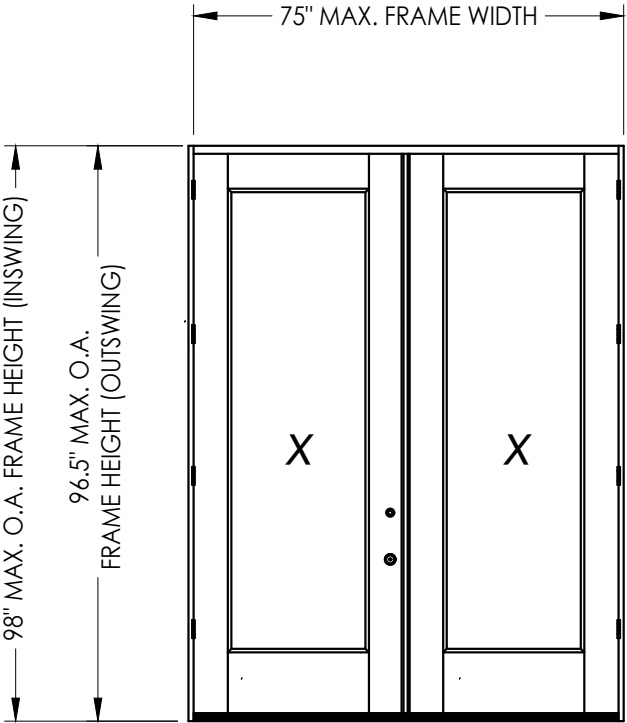
ULTIMATE FLIP LEVER ASTRAGAL by ENDURA				
MAXIMUM FRAME SIZE			DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
PLASTPRO Insert Glazed (FIBERGLASS)	INSWING	75" X 98"	+40.0	-45.0
	OUTSWING	75" X 96.5"	+40.0	-40.0



Digitally signed by Lyndon F Schmidt
Date: 2024.04.17 16:14:15 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

ENDURA

Part or Assembly:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

7	4/16/24	ADD MODERN ASTRAGAL PROFILE	LFS
6	7/07/23	UPDATE TO 8TH ED. (2023) FBC	LFS
5	8/11/20	UPDATE TO 7TH ED. (2020) FBC	LFS
4	9/27/17	UPDATE TO 6TH ED. (2017) FBC	LFS
NO.	DATE		BY

REVISIONS

DATE: 8/30/11

SCALE: N.T.S.

DWG. BY: JK

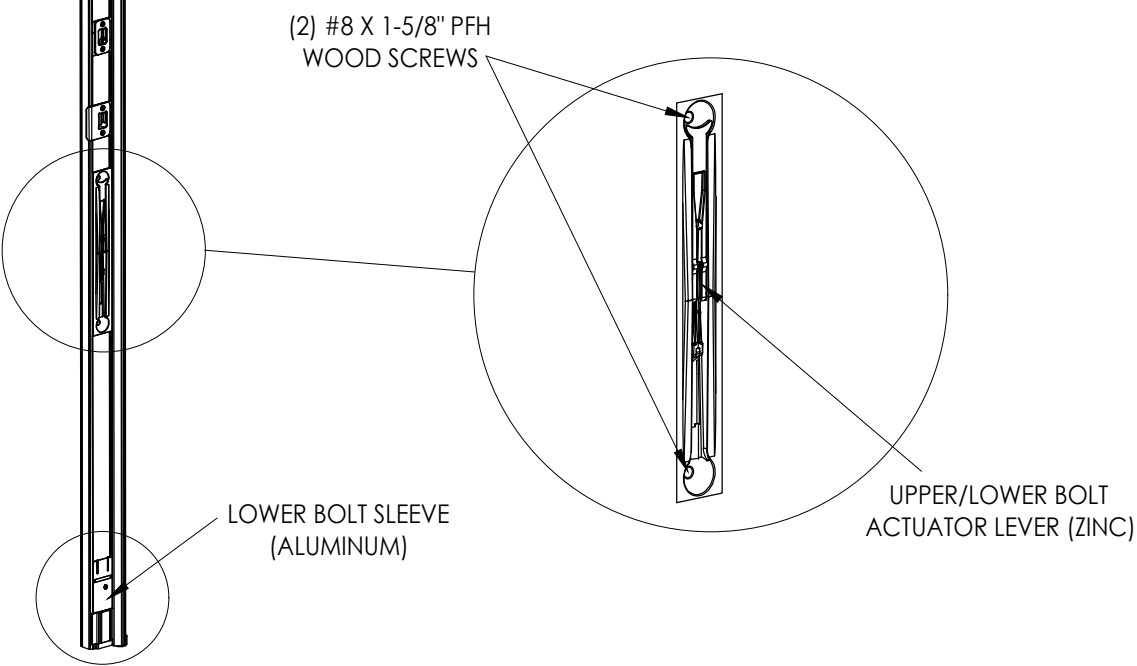
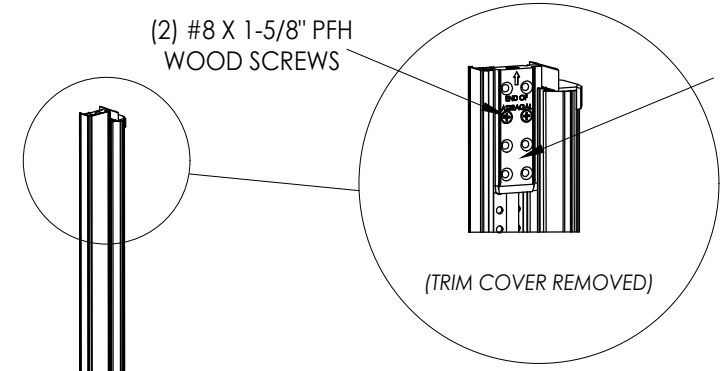
CHK. BY: LFS

DRAWING NO.: FL-14823.11

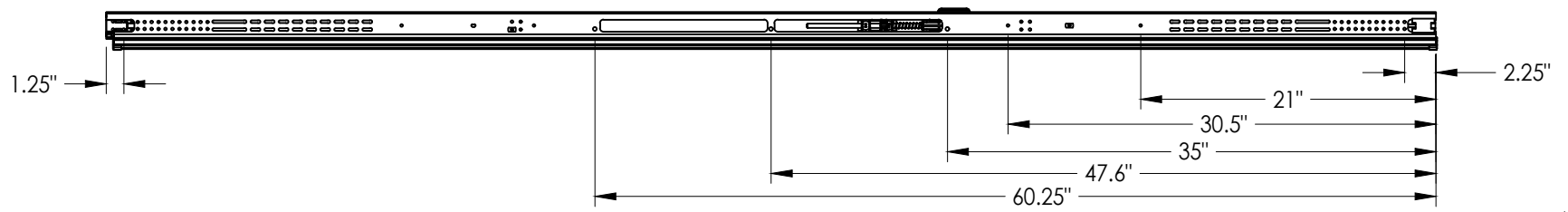
SHEET 1 OF 6

Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

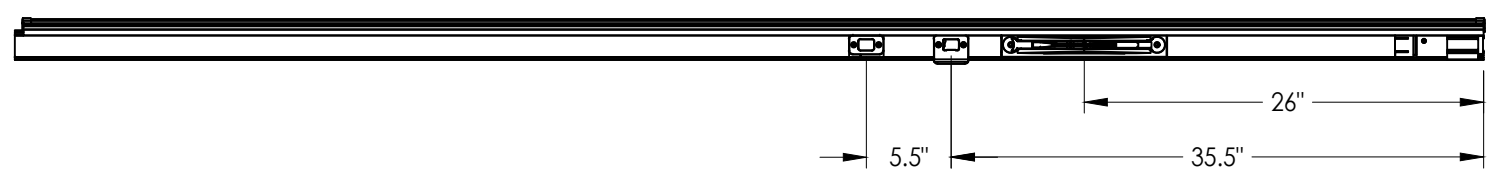
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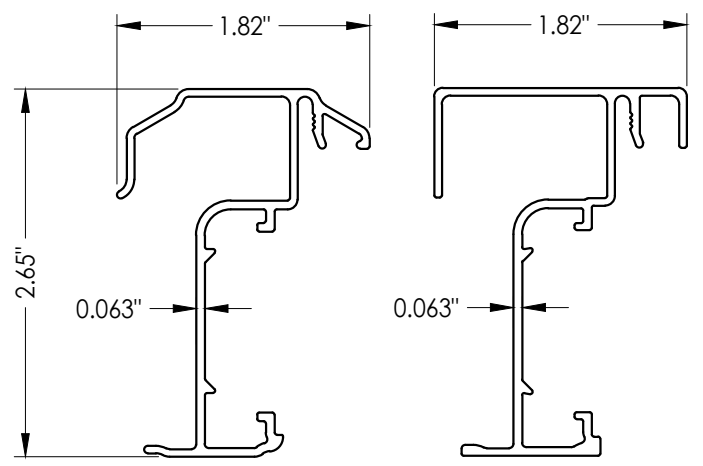
ULTIMATE FLIP LEVER ASTRAGAL



ANCHOR SCREW LOCATIONS



HARDWARE LOCATIONS



"TRADITIONAL" PROFILE "MODERN" PROFILE

ASTRAGAL SECTIONS

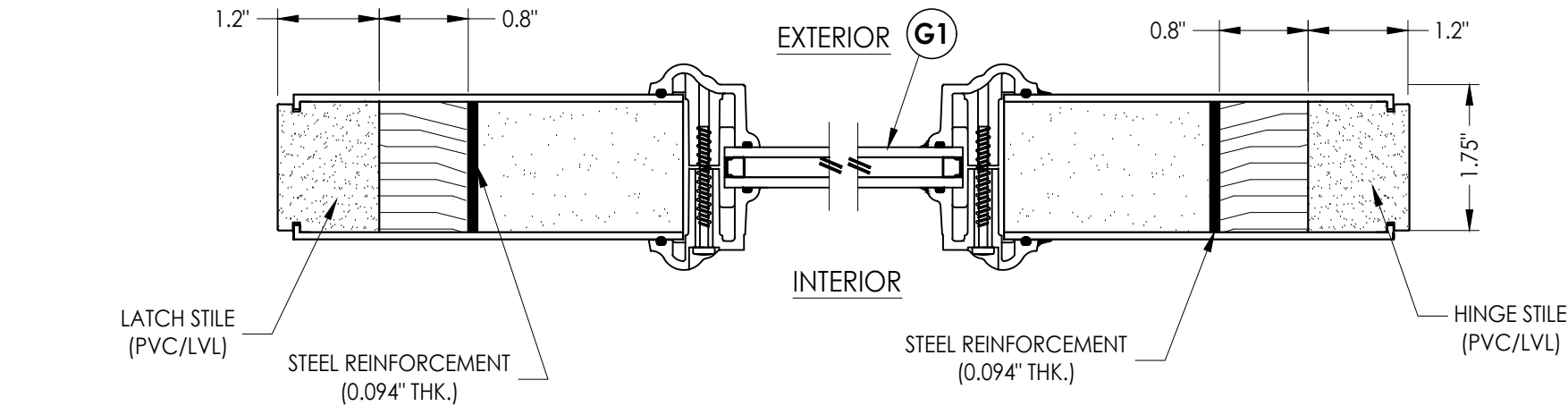
PRODUCT:		ENDURA	
PART OR ASSEMBLY:		ASTRAGAL DETAILS	
NO.	DATE	REVISIONS	BY
7	4/16/24	ADD MODERN ASTRAGAL PROFILE	LFS
6	7/07/23	UPDATE TO 8TH ED. (2023)	FBC
5	8/11/20	UPDATE TO 7TH ED. (2020)	FBC
4	9/27/17	UPDATE TO 6TH ED. (2017)	FBC

DATE:	8/30/11
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14823.11
SHEET	2 OF 6

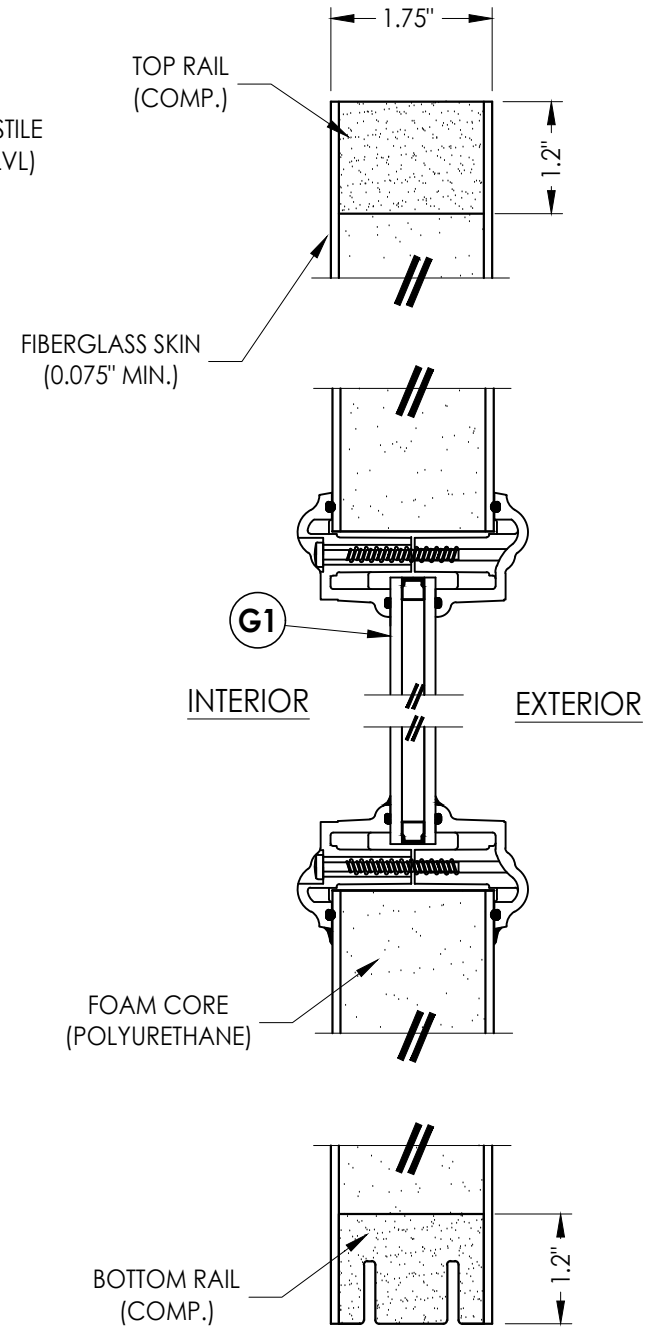
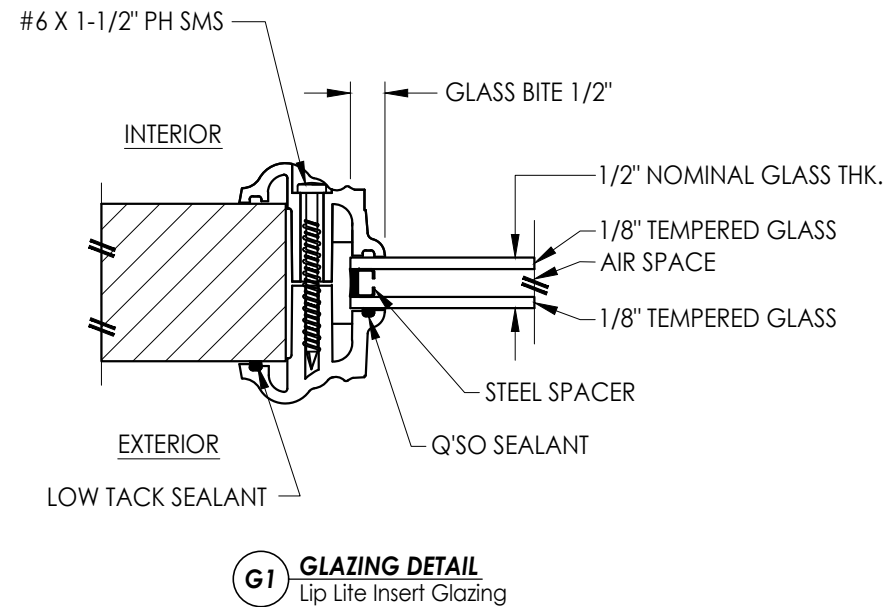
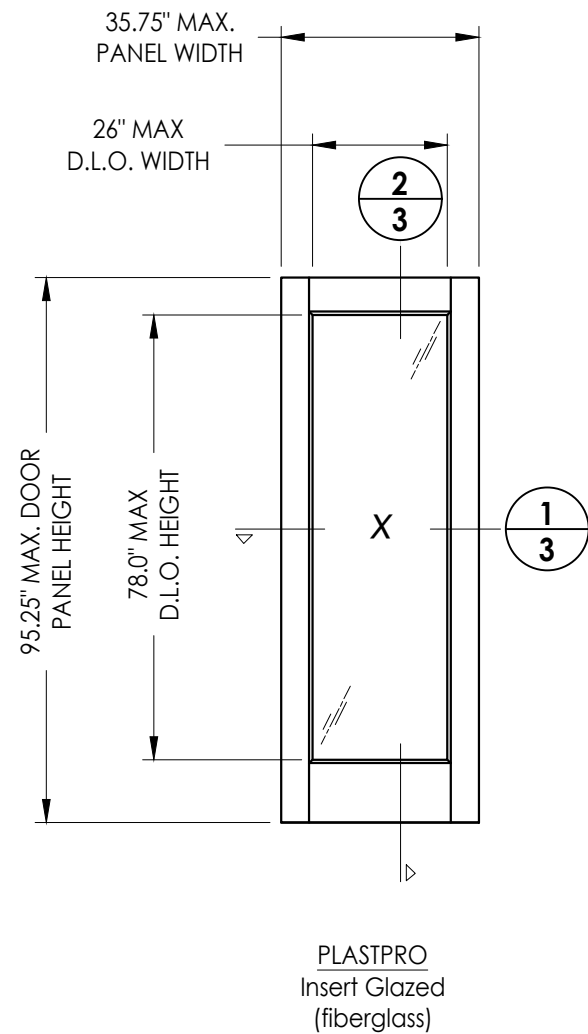
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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1
3 HORIZONTAL CROSS SECTION



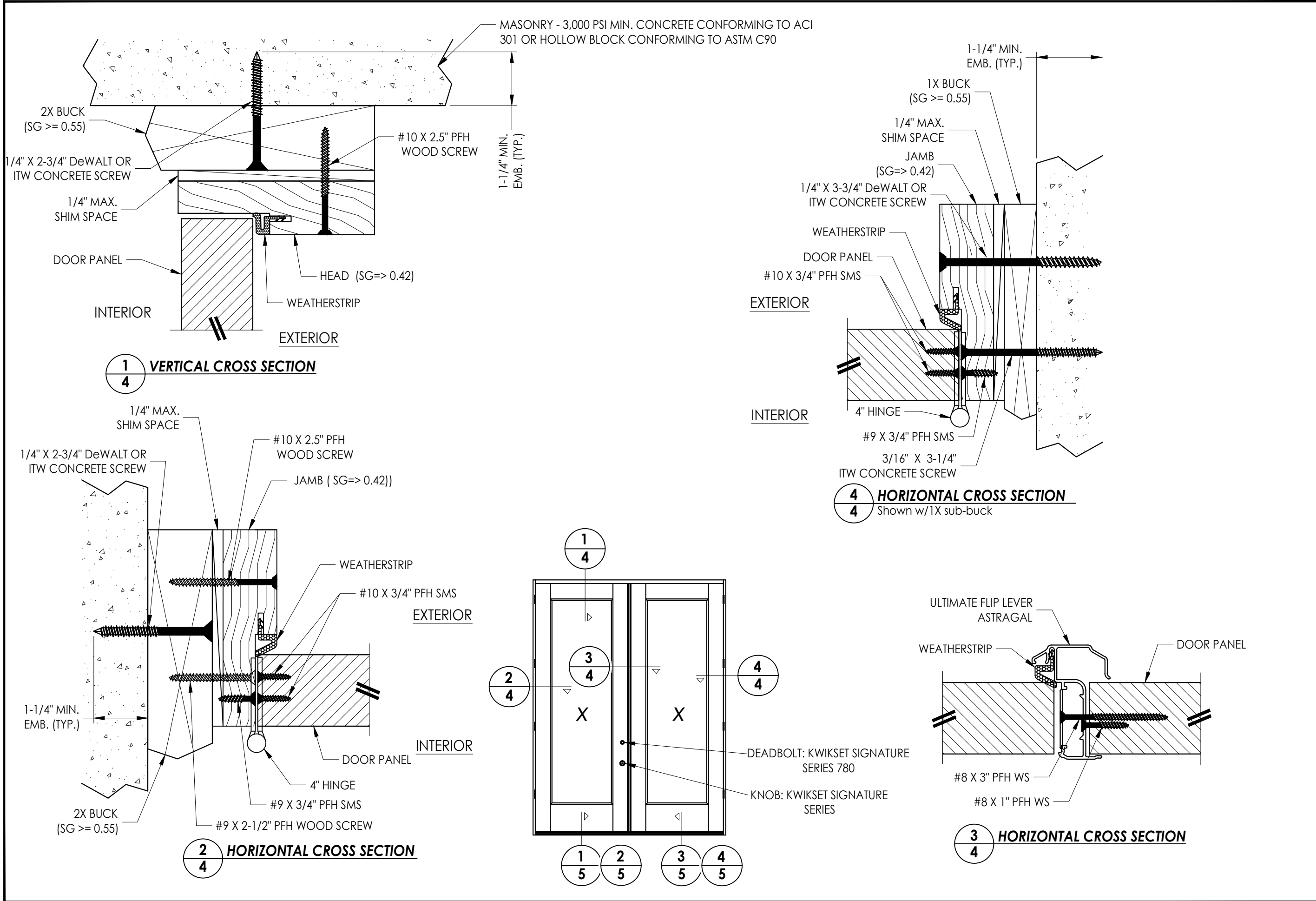
2
3 VERTICAL CROSS SECTION

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

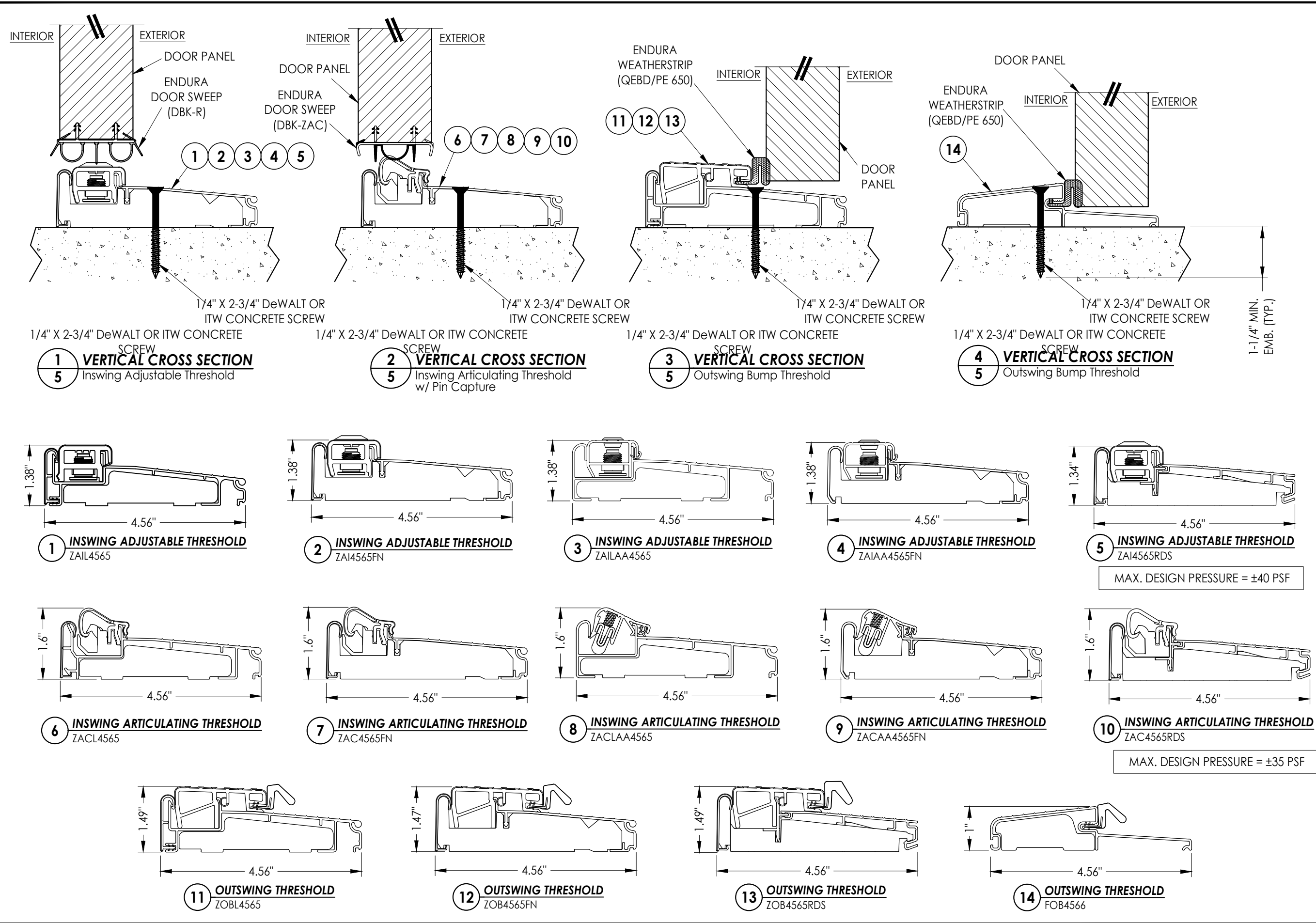
PRODUCT:		ENDURA	
PART OR ASSEMBLY:		DOOR PANEL DETAILS & GLAZING DETAIL	
REVISIONS		NO.	DATE
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6	7/07/23	UPDATE TO 8TH ED. (2023)	FBC LFS
5	8/11/20	UPDATE TO 7TH ED. (2020)	FBC LFS
4	9/27/17	UPDATE TO 6TH ED. (2017)	FBC LFS
DATE:		8/30/11	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-14823.11	
SHEET		3 OF 6	

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Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409	
PRODUCT:		ENDURA		PART OR ASSEMBLY:	
				HORIZONTAL AND VERTICAL CROSS SECTIONS	
			LFS		BY
7	4/16/24	ADD MODERN ASTRAGAL PROFILE	LFS		
6	7/07/23	UPDATE TO 8TH ED. (2023)	FBC		
5	8/11/20	UPDATE TO 7TH ED. (2020)	FBC		
4	9/27/17	UPDATE TO 6TH ED. (2017)	FBC		
	NO.	DATE			
REVISIONS					
DATE: 8/30/11					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-14823.11					
SHEET 4 OF 6					

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Phone No.: 813.659.9197
FBPE Registry No. 9813



Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: ENDURA				PART OR ASSEMBLY: THRESHOLD DETAILS			
7	4/16/24	ADD MODERN ASTRAGAL PROFILE	LFS				
6	7/07/23	UPDATE TO 8TH ED. (2023) FBC	LFS				
5	8/11/20	UPDATE TO 7TH ED. (2020) FBC	LFS				
4	9/27/17	UPDATE TO 6TH ED. (2017) FBC	LFS				
NO.	DATE		BY	REVISIONS			
DATE: 8/30/11							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-14823.11							
SHEET 5 OF 6							

SEE HINGE
DETAIL 2

3/16" X 3-1/4" ITW
CONCRETE SCREW

1X BUCK

#8 X 2-1/2" PFH WS
2X BUCK

#8 X 1" PFH WS

#8 X 3/4" PFH WS

HINGE DETAIL 1

ASTRAGAL STRIKE
PLATE @ HEAD JAMB

#10 X 2.5" PFH WOOD SCREW
2X BUCK

3/16" X 3-1/4" ITW
CONCRETE SCREW
1X BUCK

DETAIL 1

HINGE DETAIL 2

WOOD SCREW INSTALLATION NOTES:
Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

DETAIL 2

Inswing

DETAIL 2
Inswing

DETAIL 2

Outswing

3/16" X 3-1/4" ITW
CONCRETE SCREW

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY: BUCK & FRAME ANCHORING

[illegible]

DATE: 8/30/11

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: *LFS*

DRAWING NO.:

FL-14823.1

SHEET 6 OF 6