

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.

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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

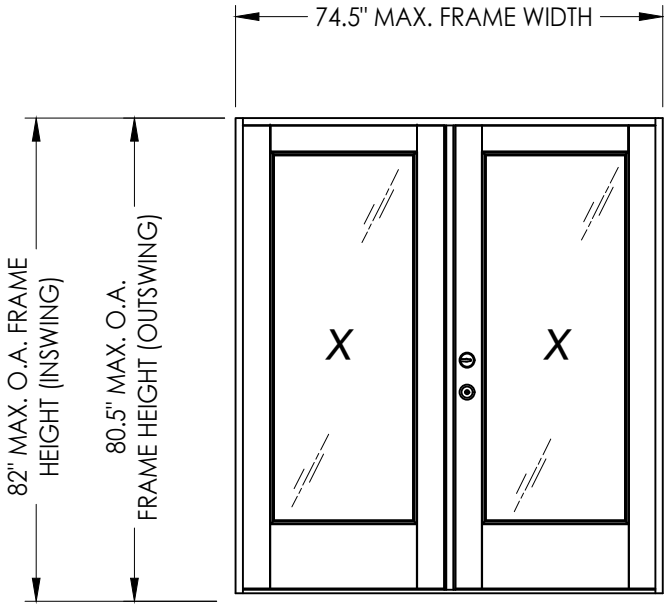
L. F. SCHMIDT
LICENSE
No. 43409
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Digitally signed by Lyndon F Schmidt
Date: 2024.04.17 16:12:35 -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



ULTIMATE FLIP LEVER ASTRAGAL by ENDURA				
MAXIMUM FRAME SIZE			DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
TRINITY Insert Glazed (FIBERGLASS)	INSWING	74.5" X 82"	+40.0	-45.0
	OUTSWING	74.5" X 80.5"	+40.0	-40.0

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

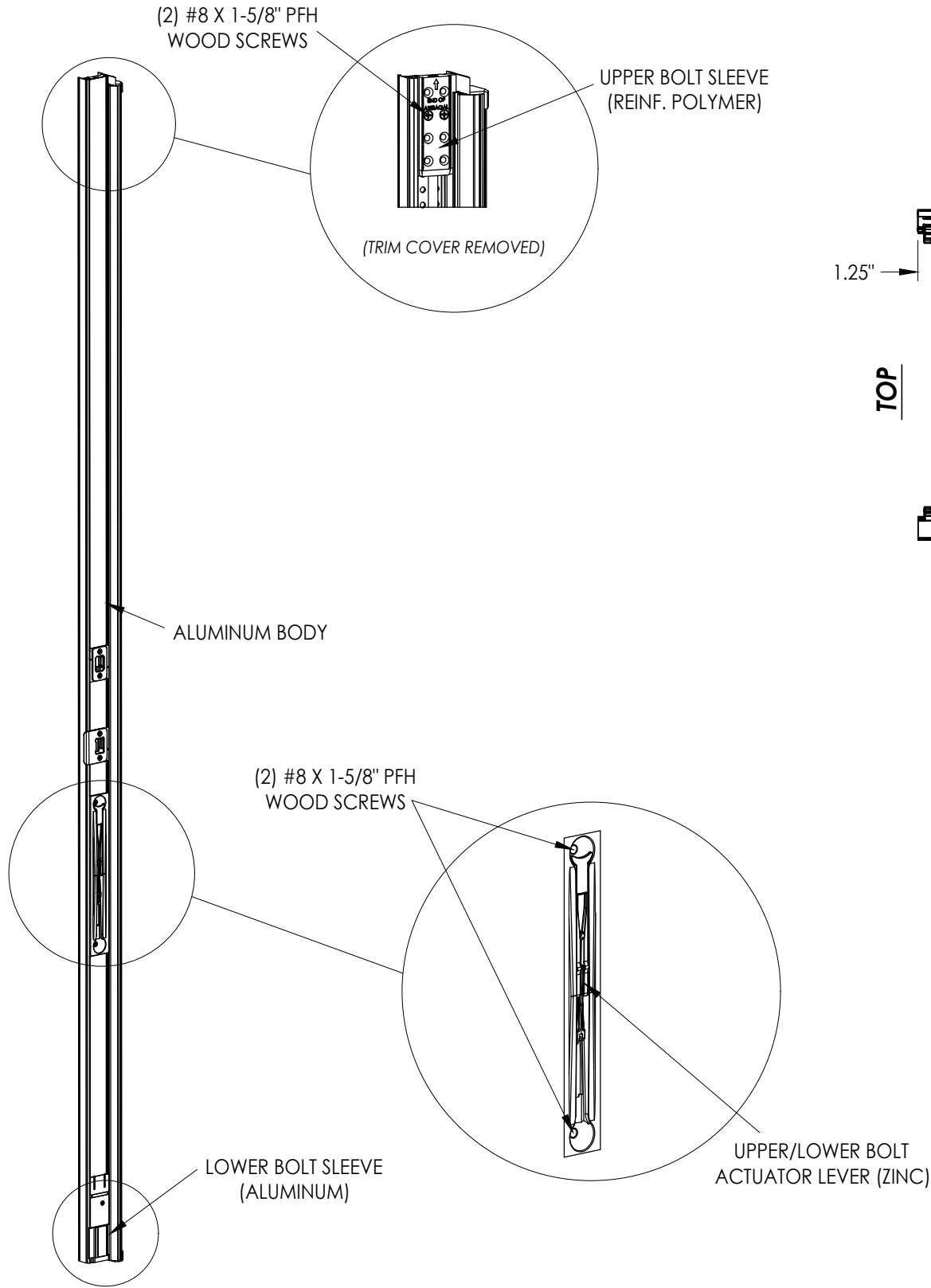
REVISIONS

DATE: 8/30/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14823.9
SHEET 1 OF 6

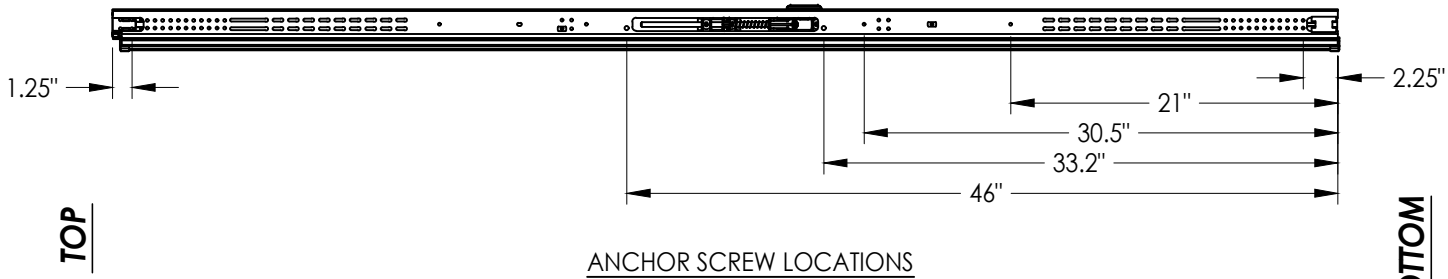
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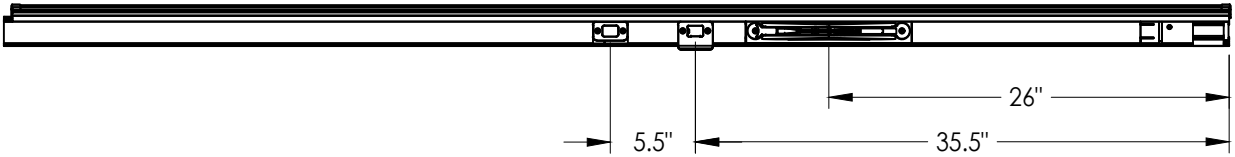
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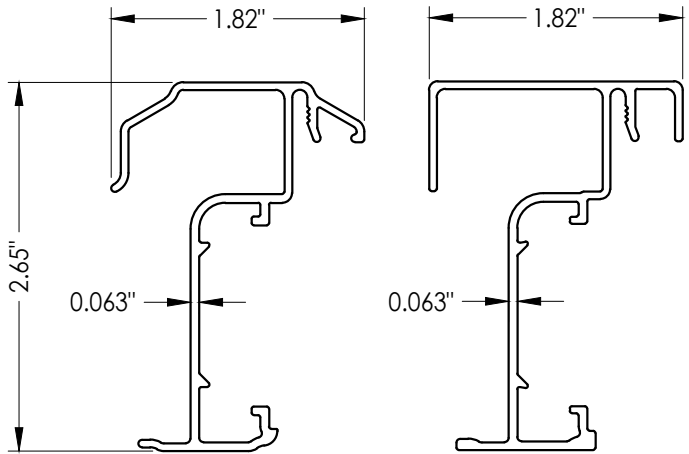
ULTIMATE FLIP LEVER ASTRAGAL



ANCHOR SCREW LOCATIONS



HARDWARE LOCATIONS



"TRADITIONAL" PROFILE "MODERN" PROFILE

ASTRAGAL SECTIONS

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

DATE:	8/30/11
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14823.9
SHEET	2 OF 6

PRODUCT:

ENDURA

PART OR ASSEMBLY:

ASTRAGAL DETAILS

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

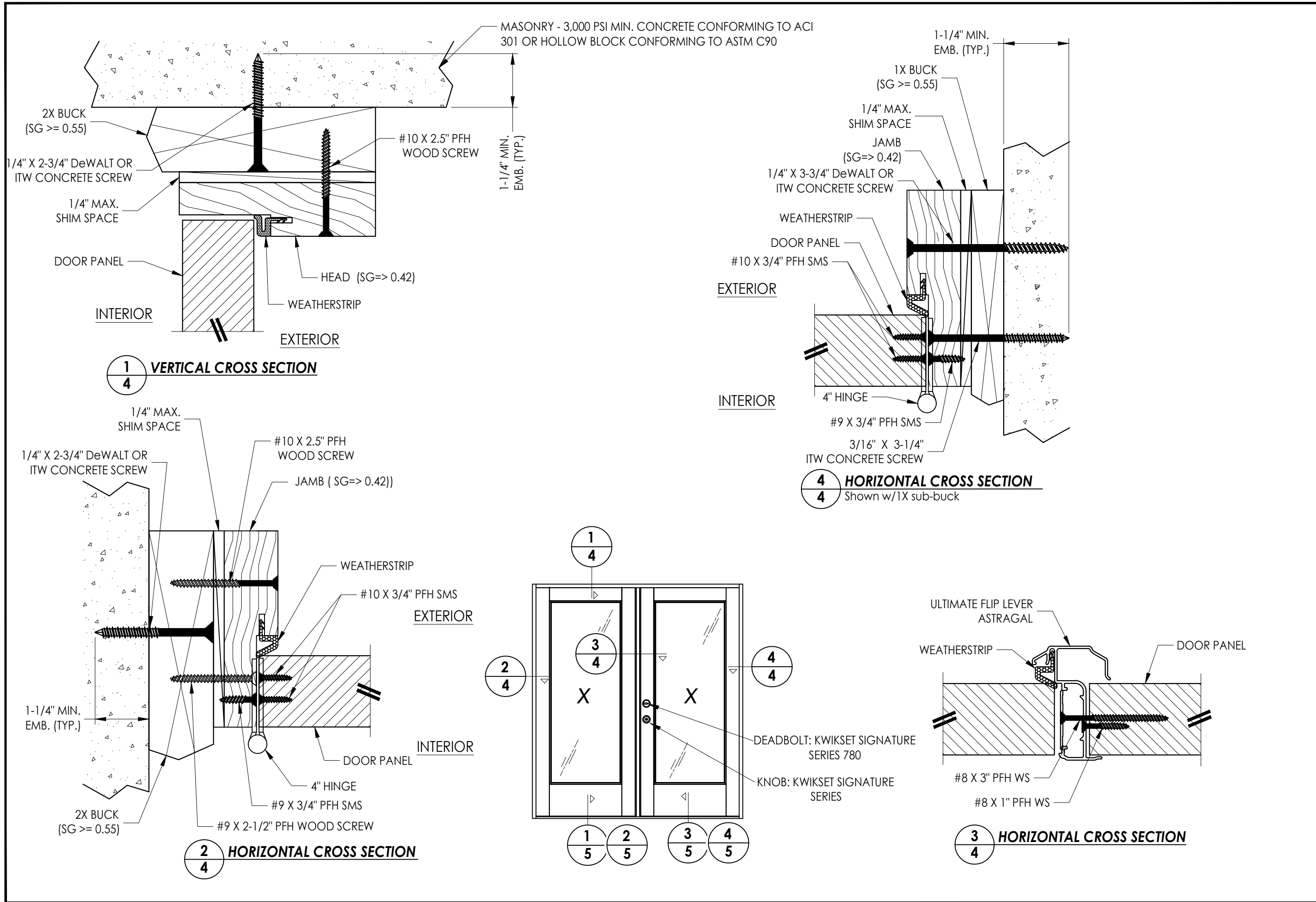
RW

BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813



DATE: 8/30/11		SHEET 4 OF 6	
DRAWING NO.: FL-14823.9		DWG. BY: JK	
CHK. BY: LFS		SCALE: N.T.S.	
NO. DATE		REVISONS	
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
PRODUCT: ENDURA		PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS	
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	

