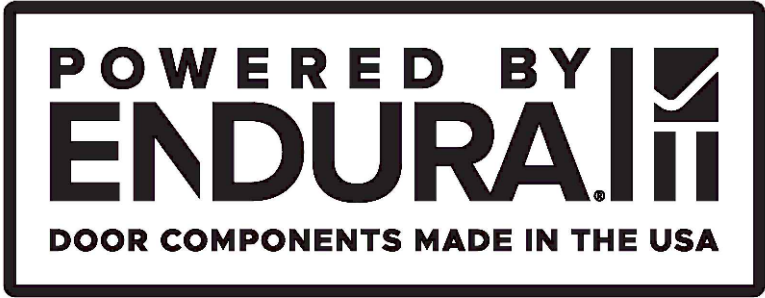


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Ultimate Multipoint Astragal

INSWING / OUTSWING

"NON-IMPACT"

GENERAL NOTES

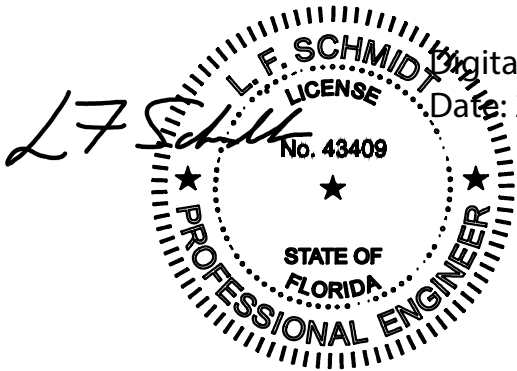
- 1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- 2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall 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 Multipoint Astragal

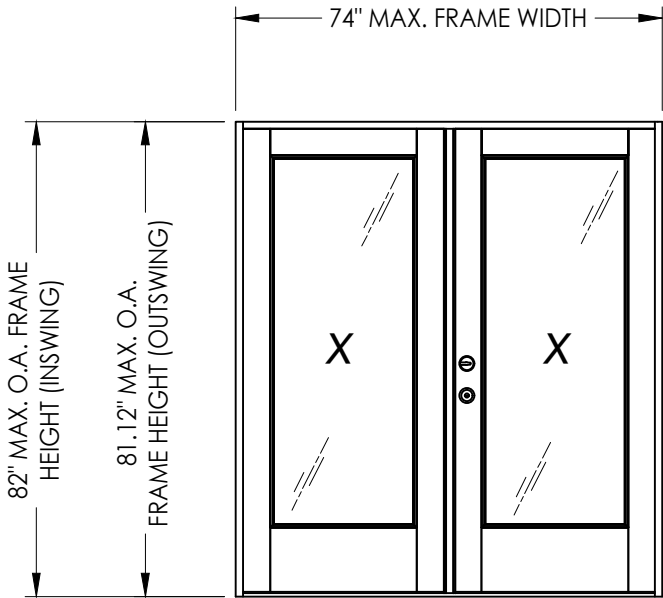
ULTIMATE MULTIPOINT ASTRAGAL by ENDURA				
MAXIMUM FRAME SIZE			DESIGN PRESSURE RATING (PSF)	
			POSITIVE	NEGATIVE
JELD-WEN Insert Glazed (STEEL)	INSWING	74" X 82"	+45.0	-45.0
	OUTSWING	74" X 81.12"	+45.0	-45.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.13 15:06:21 -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

PRODUCT: ENDURA

DATE: 8/30/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14818.8

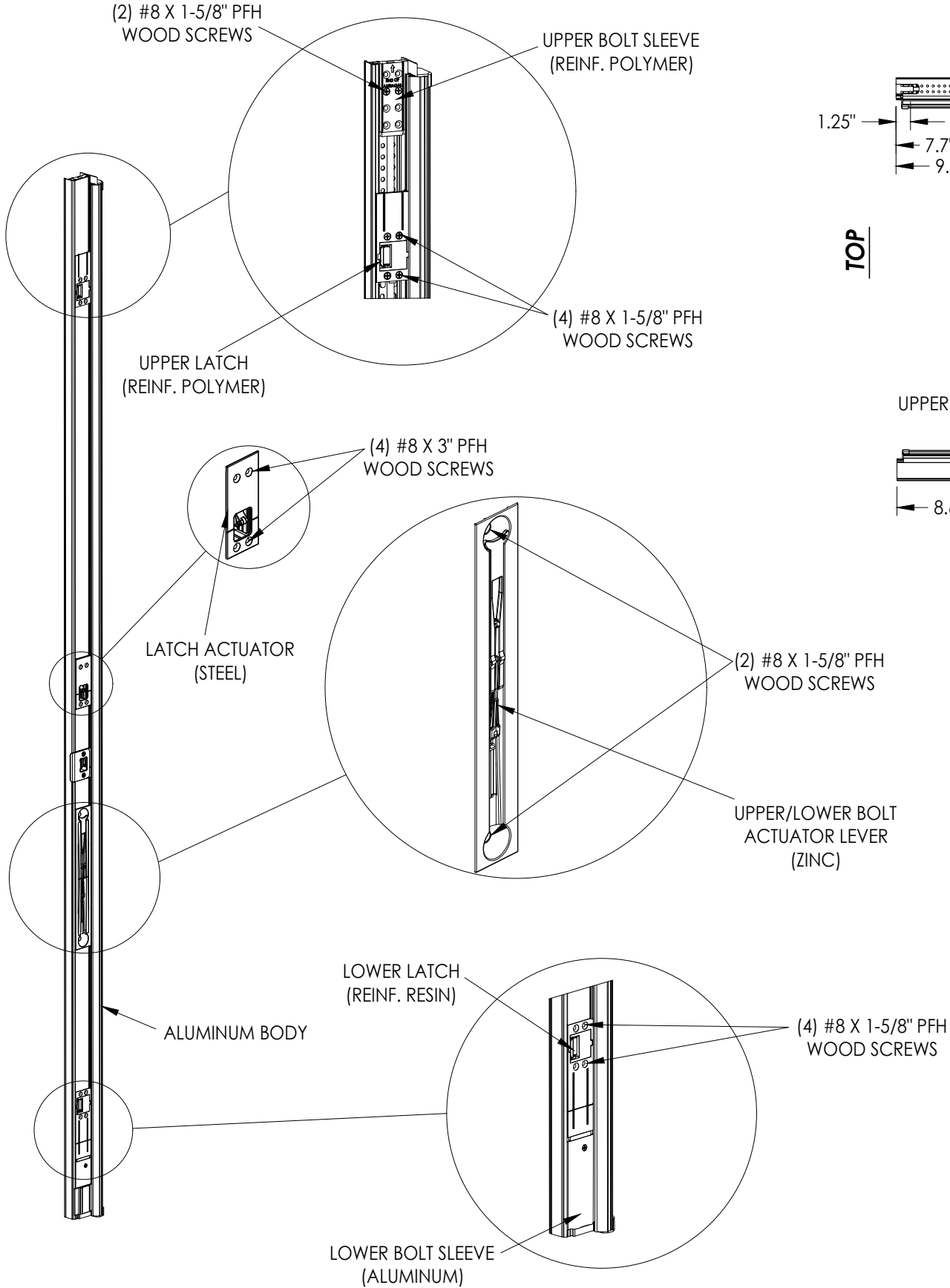
SHEET 1 OF 6

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

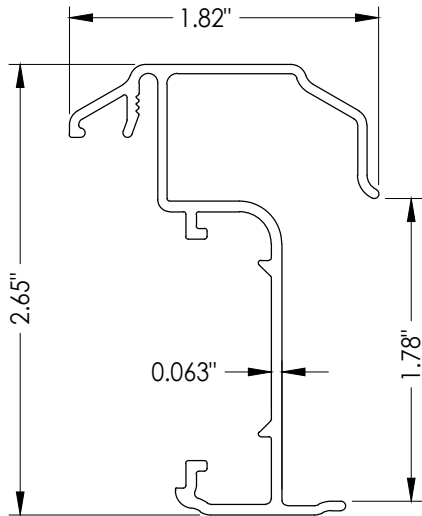
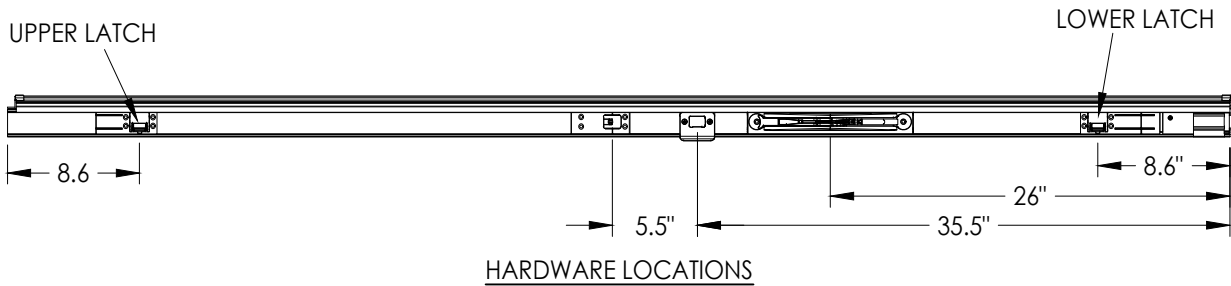
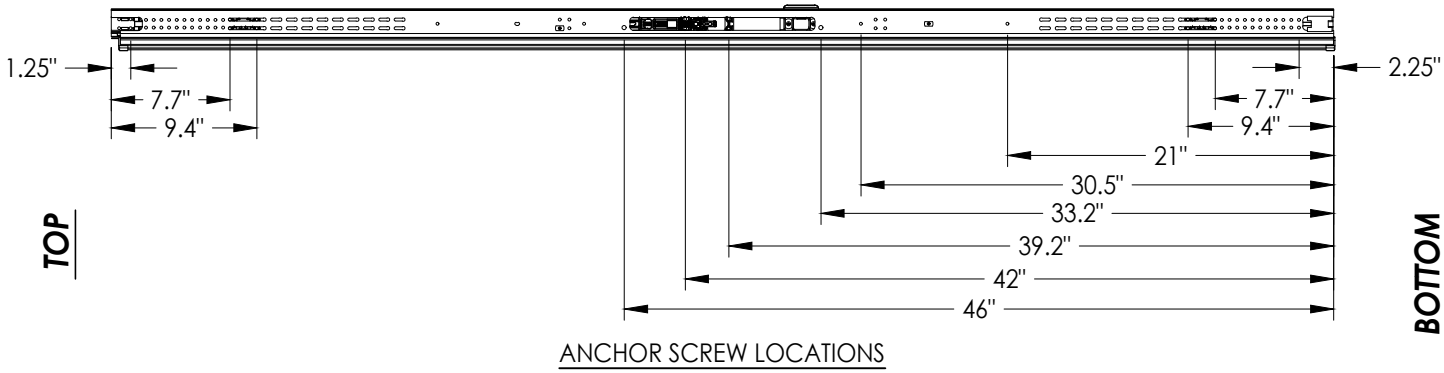
REVISIONS

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P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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ULTIMATE MULTIPOINT ASTRAGAL



ASTRAGAL SECTION

NO.	DATE	REVISIONS			
7	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
6	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
5	9/05/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
4	6/13/16	ADD THRESHOLD DETAILS		LFS	
3	4/19/16	ADD ALUMINUM ARTICULATING SILL		LFS	
				BY	

DATE: 8/30/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-14818.8

SHEET 2 OF 6

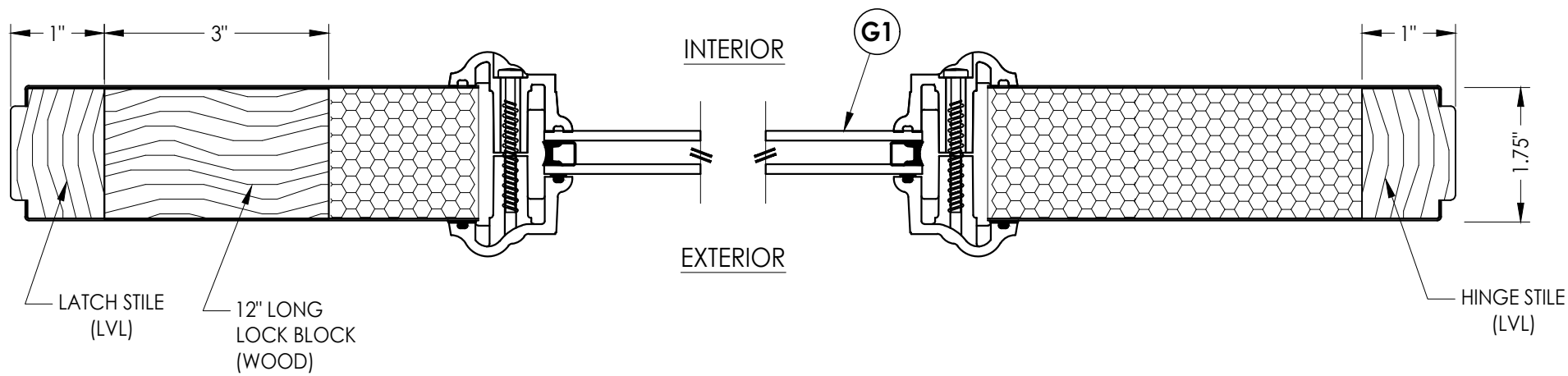
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

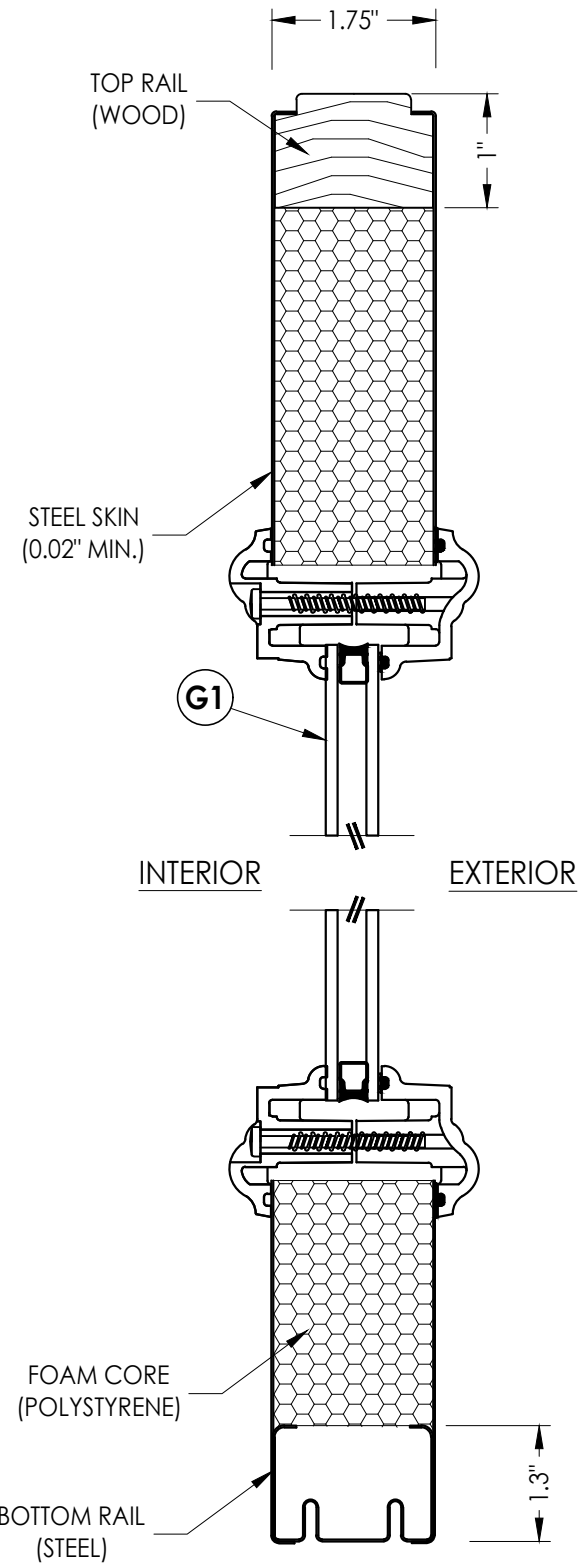
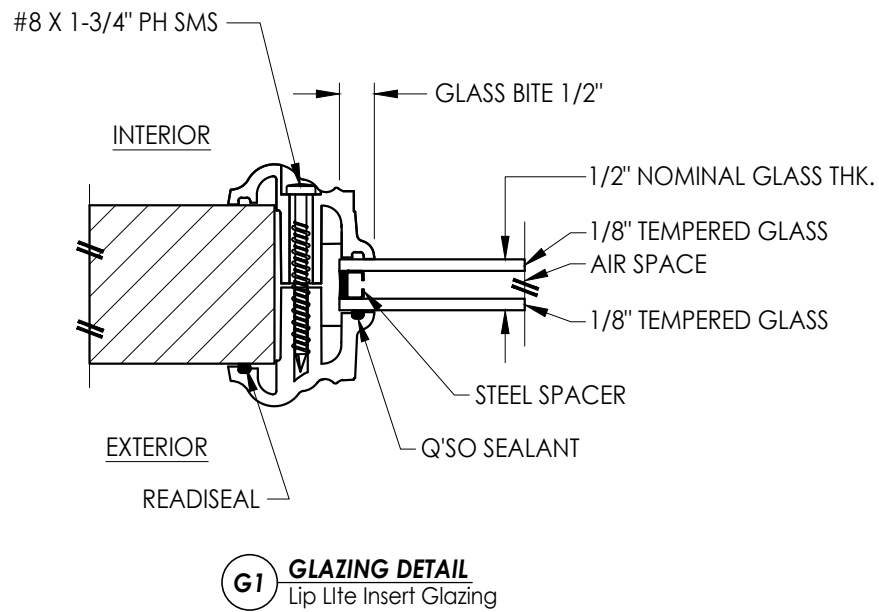
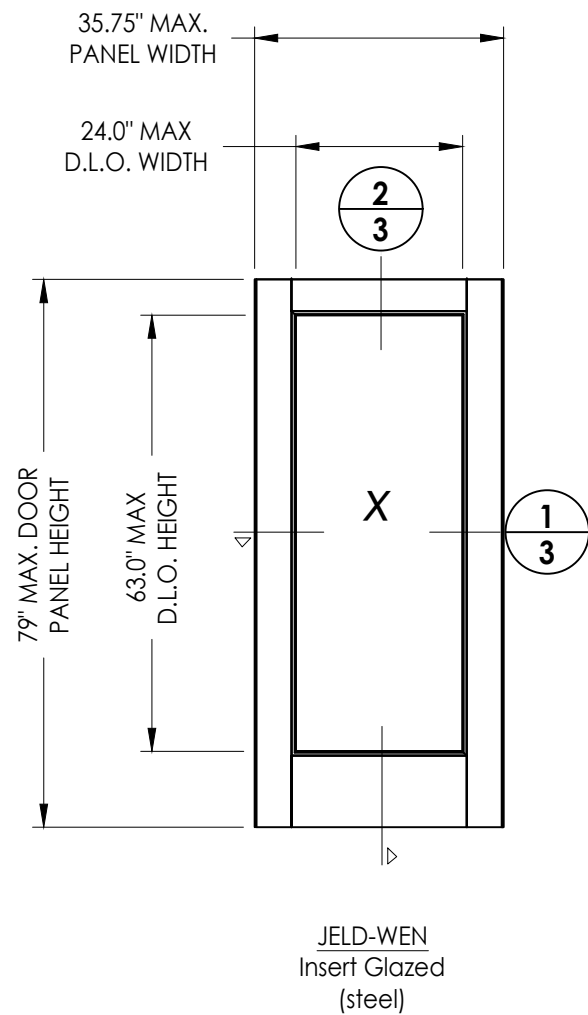
PRODUCT: ENDURA

PART OR ASSEMBLY: ASTRAGAL DETAILS

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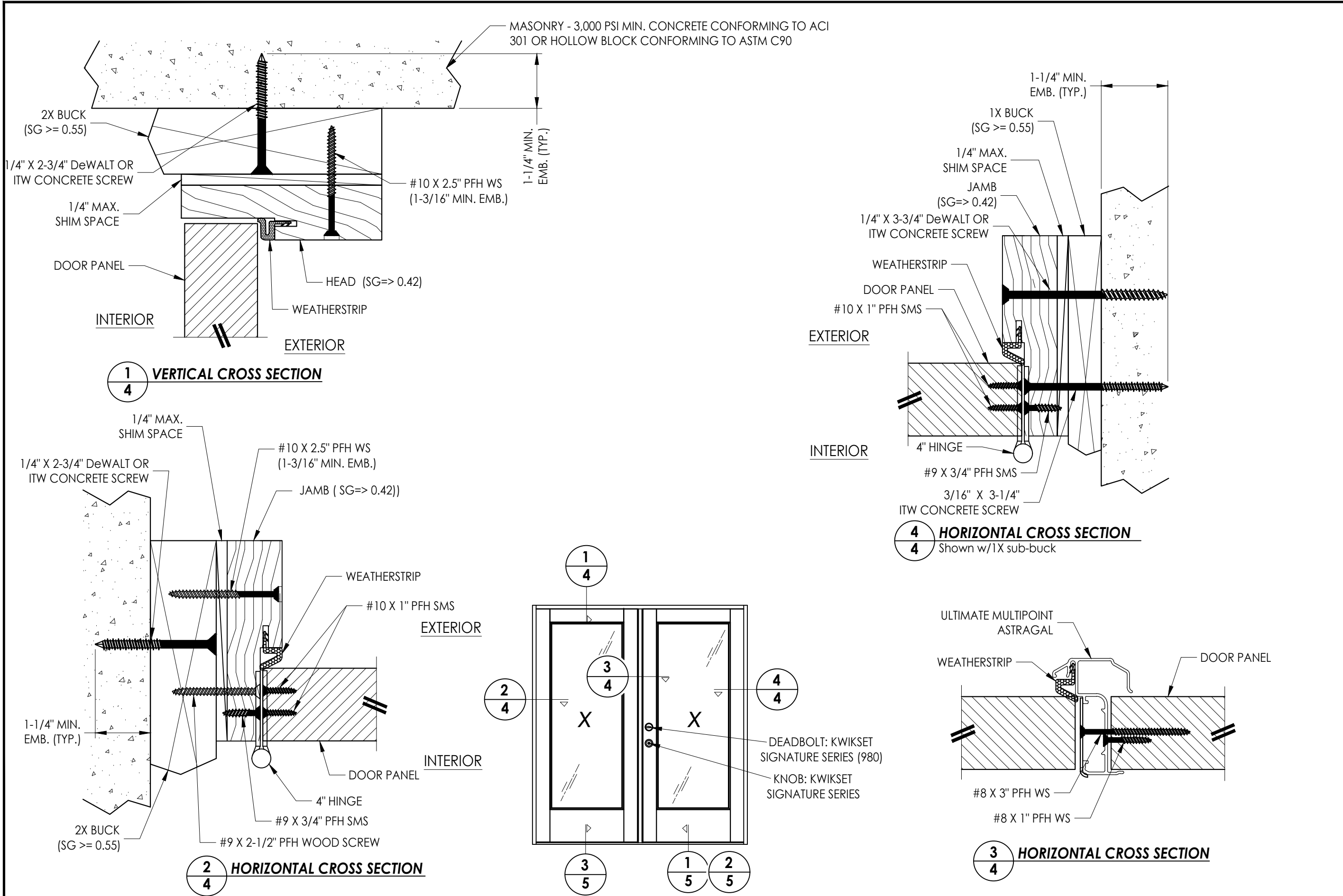
1
3 HORIZONTAL CROSS SECTION



2
3 VERTICAL CROSS SECTION

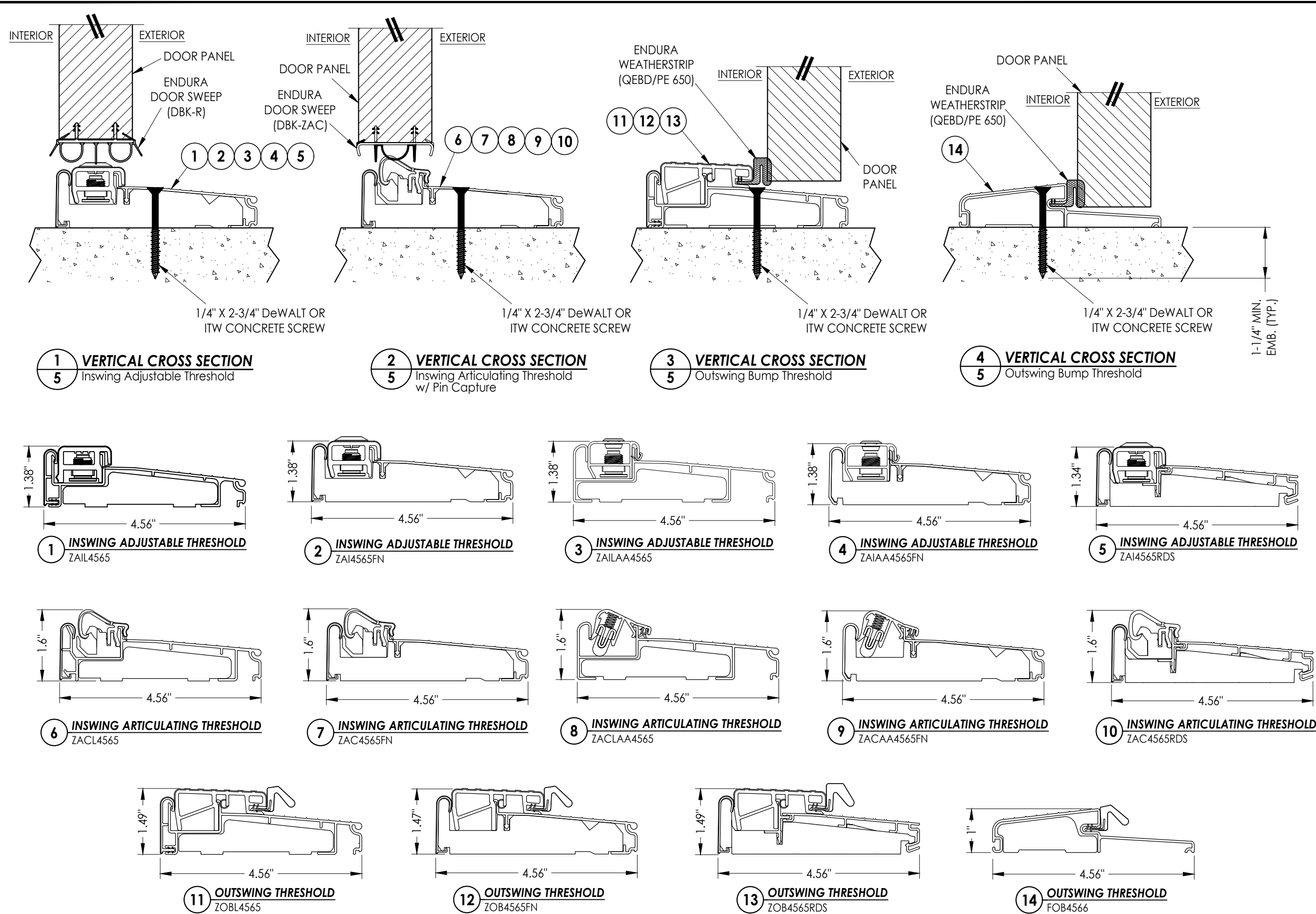
Documents Prepared By: Lyndon F. Schmidt P.E. No. 4-3409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813		
PRODUCT: ENDURA		PART OR ASSEMBLY: DOOR PANEL DETAILS & GLAZING DETAIL		
7	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
6	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
5	9/05/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
4	6/13/16	ADD THRESHOLD DETAILS		LFS
3	4/19/16	ADD ALUMINUM ARTICULATING SILL		LFS
NO.		DATE		BY
REVISIONS				
DATE: 8/30/11				
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-14818.8				
SHEET 3 OF 6				

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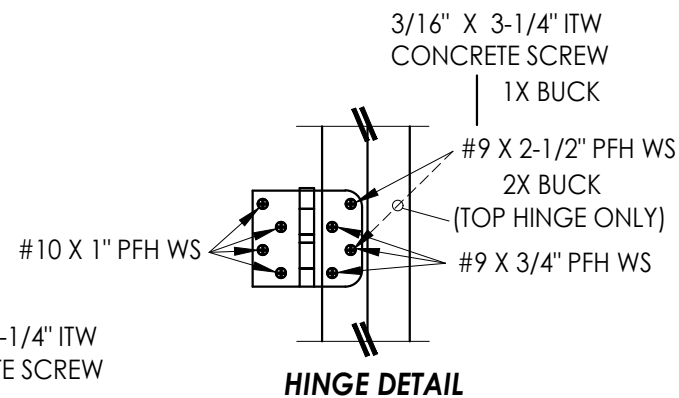
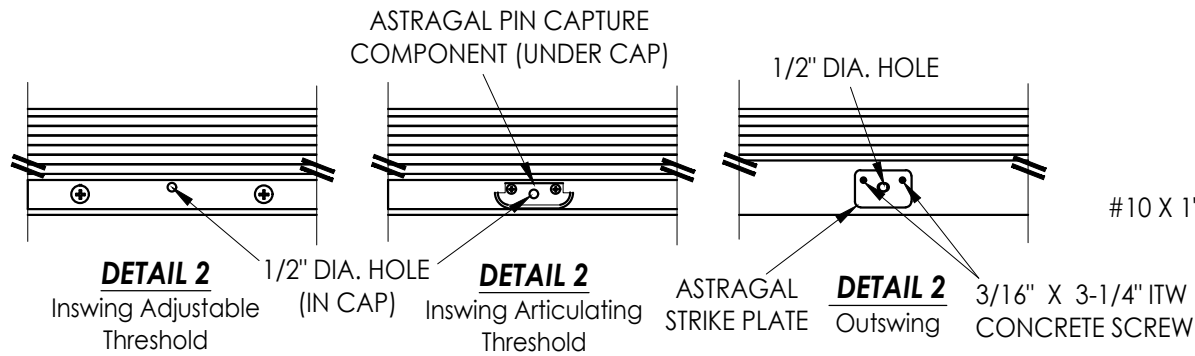
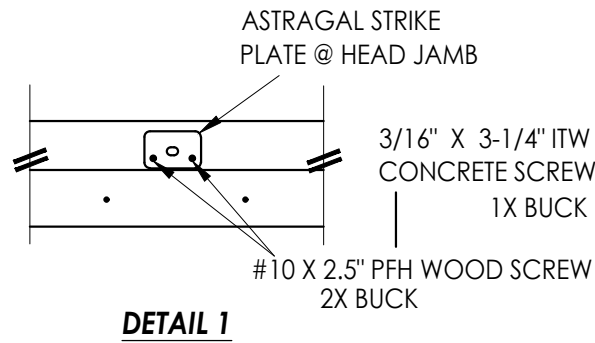
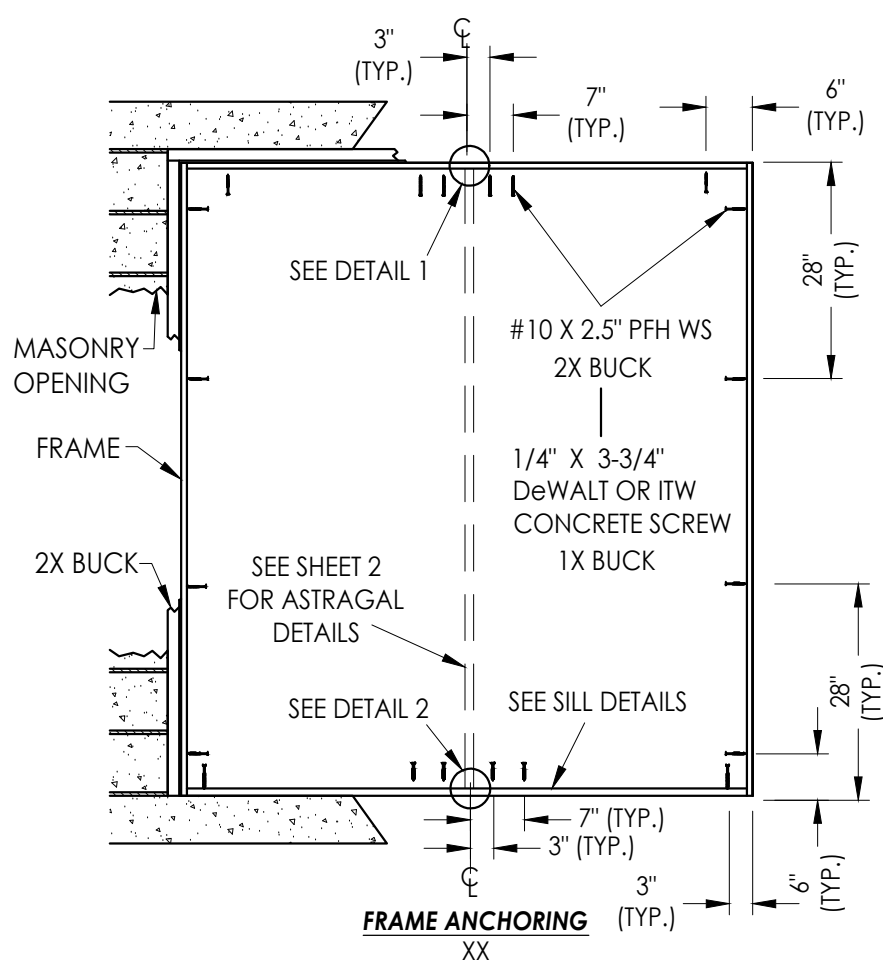
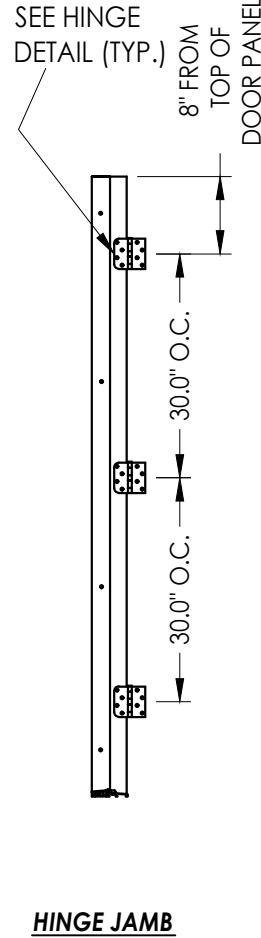
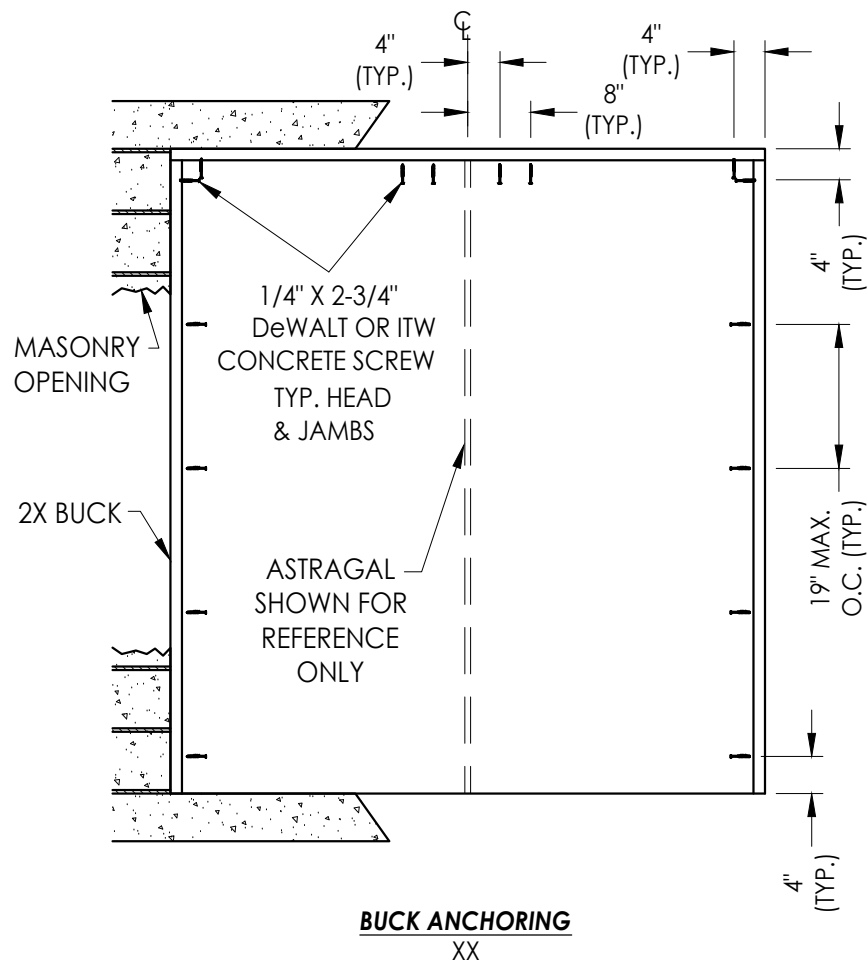
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ENDURA		PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS	
7	7/06/23	UPDATE TO 8TH ED. (2023)	FBC LFS
6	8/03/20	UPDATE TO 7TH ED. (2020)	FBC LFS
5	9/05/17	UPDATE TO 6TH ED. (2017)	FBC LFS
4	6/13/16	ADD THRESHOLD DETAILS	LFS
3	4/19/16	ADD ALUMINUM ARTICULATING SILL	LFS
NO.	DATE	REVISIONS	
DATE: 8/30/11			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14818.8			
SHEET 4 OF 6			

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Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				RWBUILDING 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		REVISIONS			DATE: 8/30/11
7	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	NO.	DATE	
6	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS			SCALE: N.T.S.
5	9/05/17	UPDATE TO 6TH ED. (2017)	FBC	LFS			DWG. BY: JK
4	6/13/16	ADD THRESHOLD DETAILS					CHK. BY: LFS
3	4/19/16	ADD ALUMINUM ARTICULATING SILL					DRAWING NO.: FL-14818.8
							SHEET 5 OF 6

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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"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.

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

PRODUCT: ENDURA

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING

		UPDATE TO 8TH ED. (2023)	FBC	LFS
7	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
6	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
5	9/05/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
4	6/13/16	ADD THRESHOLD DETAILS		LFS
3	4/19/16	ADD ALUMINUM ARTICULATING SILL		LFS
NO.	DATE			BY

REVISIONS

DATE: 8/30/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14818.8

SHEET 6 OF 6