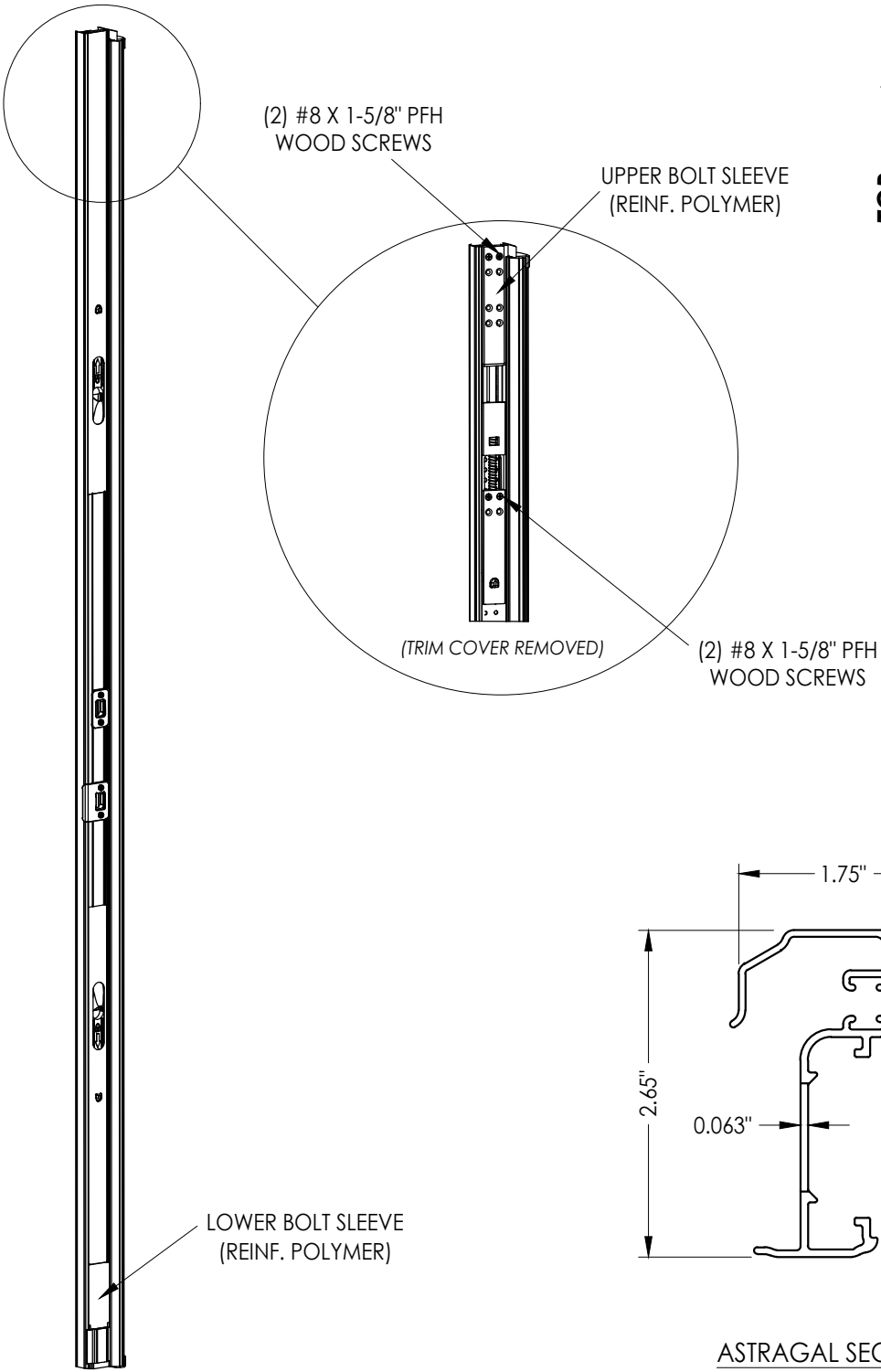
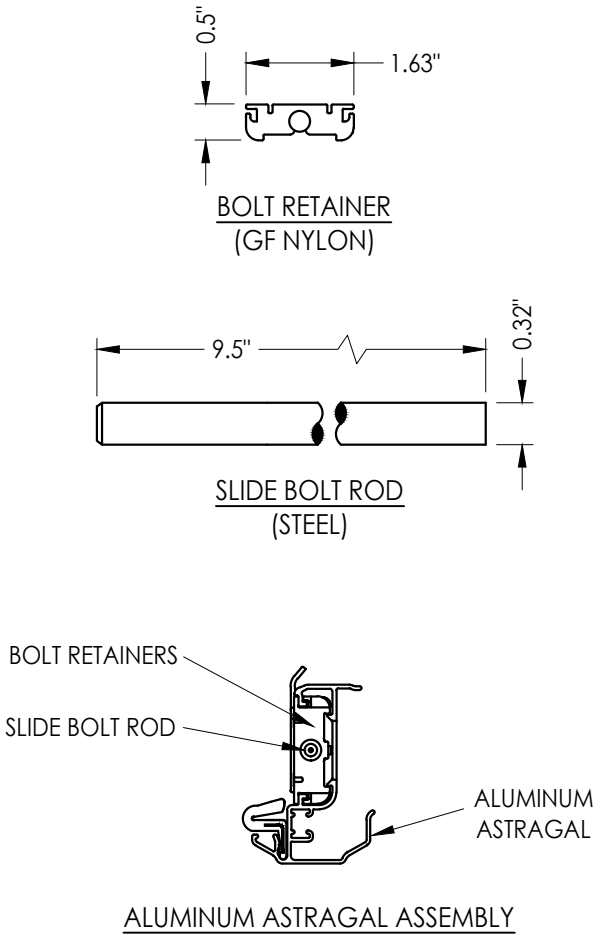
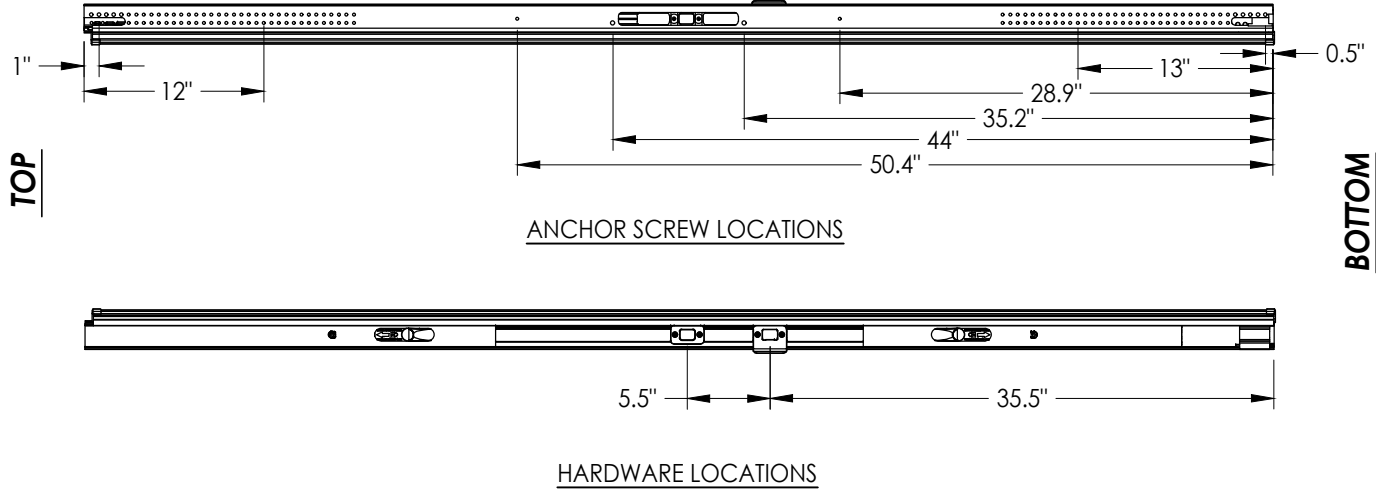
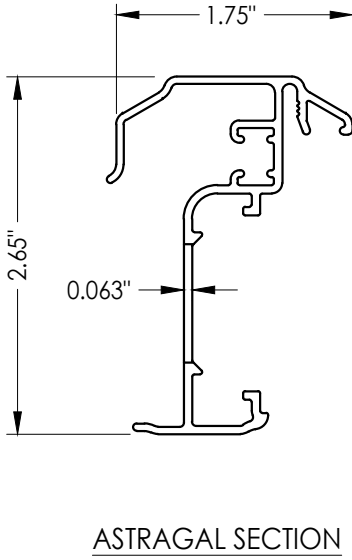


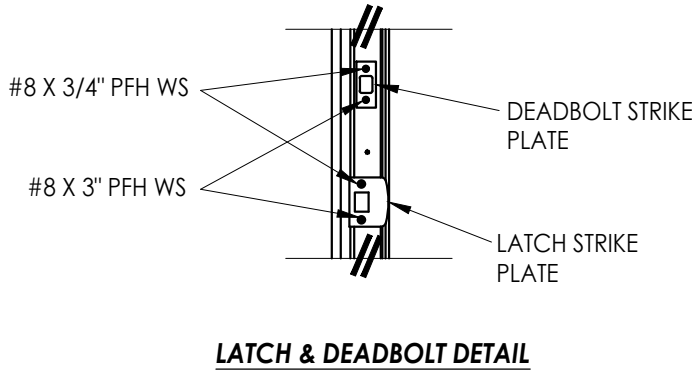
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ULTIMATE HURRICANE ASTRAGAL



ALUMINUM ASTRAGAL ASSEMBLY



REVISIONS		NO.	DATE	BY
4	7/07/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	8/12/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	1/30/18	REVISE FOR NEW TESTING		LFS
1	9/18/17	UPDATE TO 6TH ED. (2017)	FBC	LFS

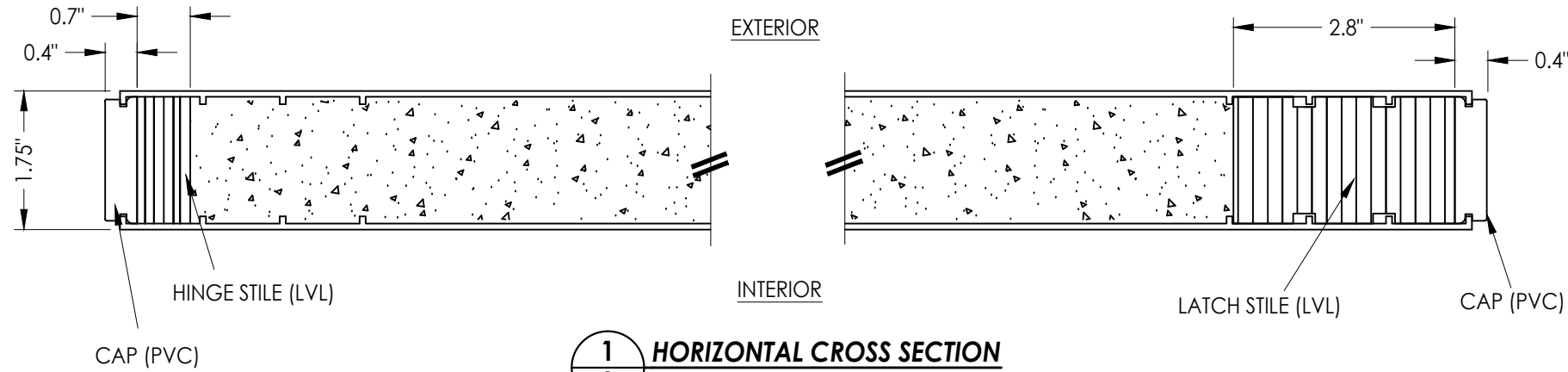
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SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16634.17
SHEET 2 OF 6

PRODUCT:	PART OR ASSEMBLY:
ENDURA	ASTRAGAL DETAILS (ULTIMATE HURRICANE)

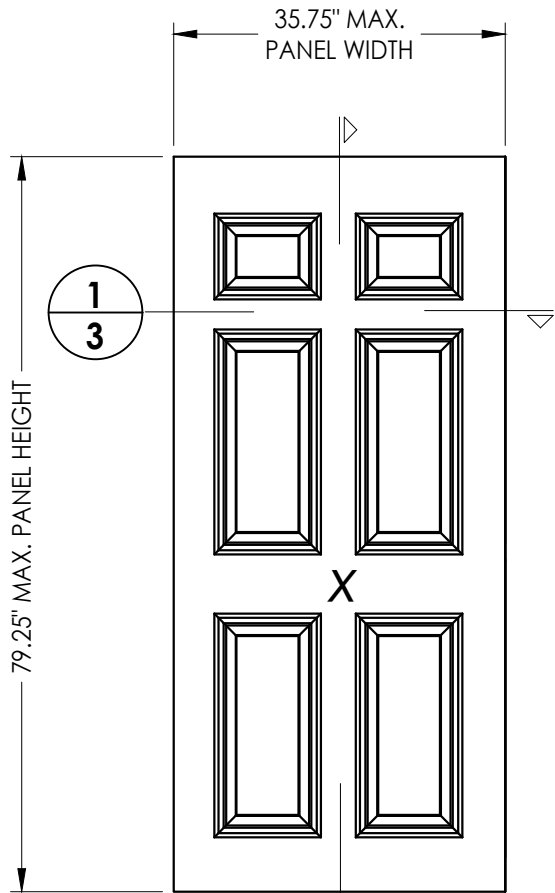
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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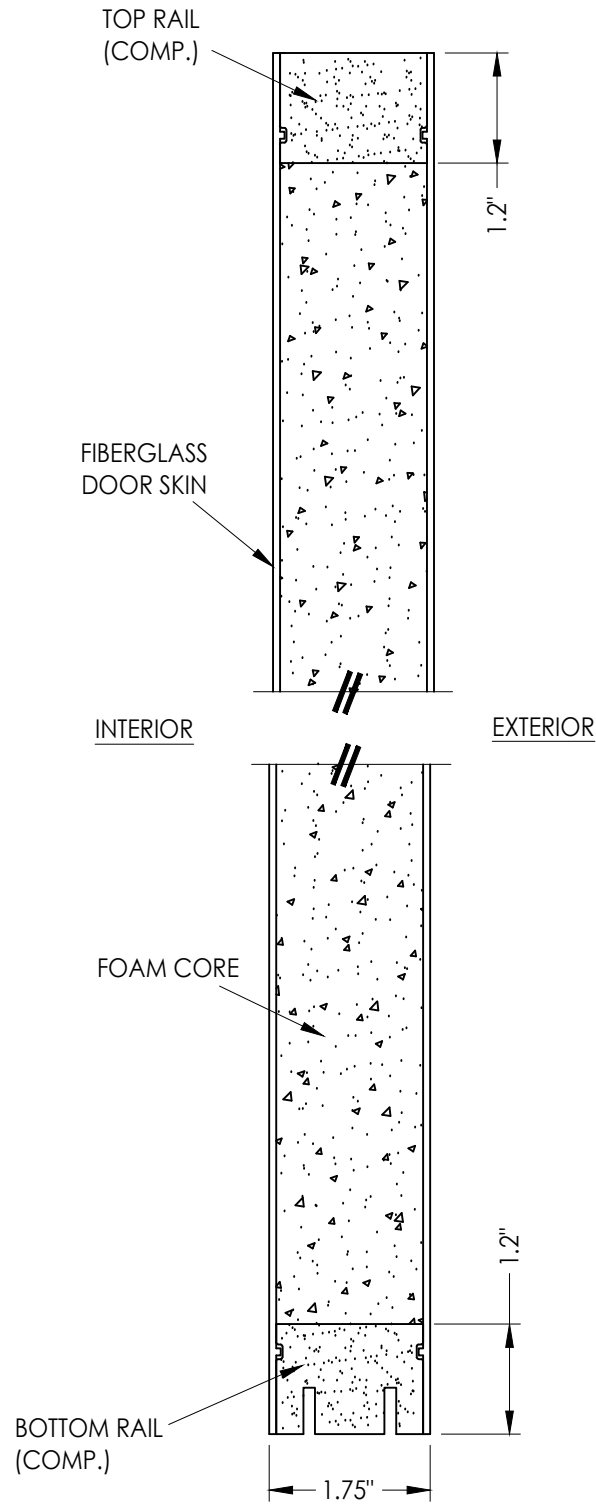


1
3 HORIZONTAL CROSS SECTION



2
3 DOOR PANEL
Plastpro
Fiberglass

DOOR SKIN: FIBERGLASS (0.075" MIN. THICKNESS)
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)



2
3 VERTICAL CROSS SECTION

NO.	DATE	REVISIONS
4	7/07/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/12/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	1/30/18	REVISE FOR NEW TESTING LFS
1	9/18/17	UPDATE TO 6TH ED. (2017) FBC LFS

DATE: 5/24/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16634.17

SHEET 3 OF 6

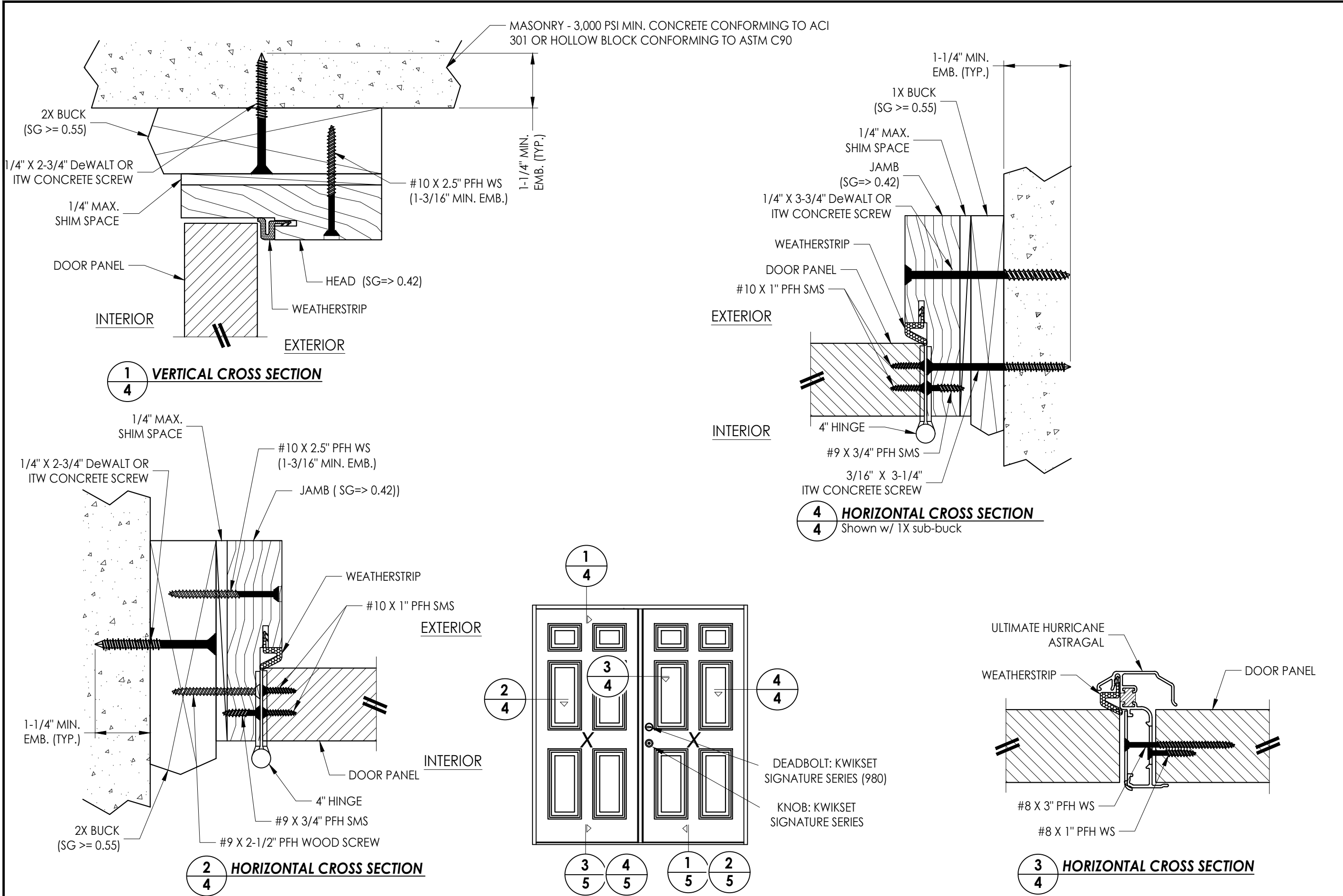
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

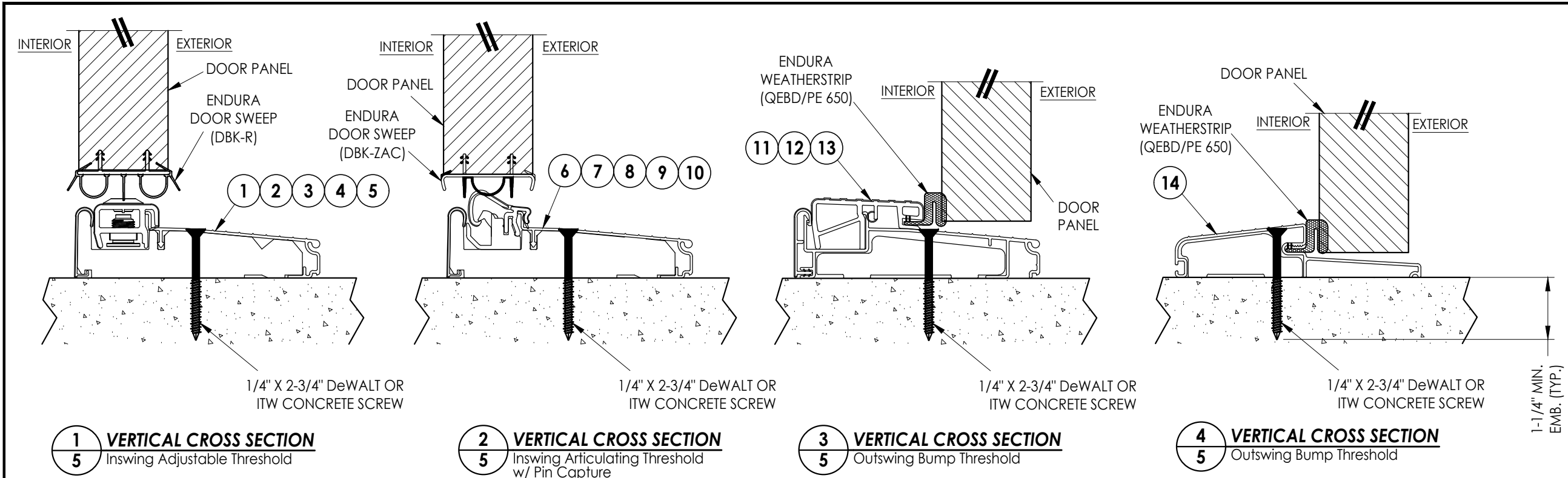
PRODUCT: ENDURA

PART OR ASSEMBLY:
DOOR PANEL DETAILS
& GLAZING DETAIL

Z:\2023 FBC Drawings\Endura Products\FL-16634 R9\FL-16634.17-20.dwg



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	
		REVISIONS	
		NO.	DATE
		4	7/07/23
		3	8/12/20
		2	1/30/18
		1	9/18/17
DATE: 5/24/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16634.17			
SHEET 4 OF 6			

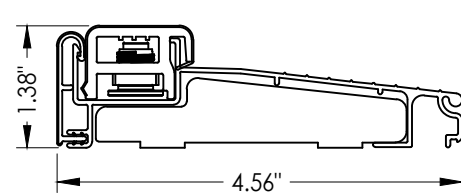


1 **VERTICAL CROSS SECTION**
5 Inswing Adjustable Threshold

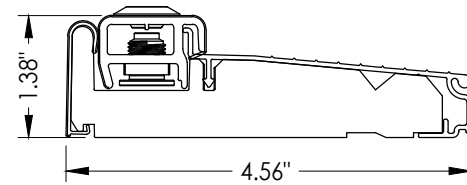
2 **VERTICAL CROSS SECTION**
5 Inswing Articulating Threshold
w/ Pin Capture

3 VERTICAL CROSS SECTION 5 Outswing Bump Threshold

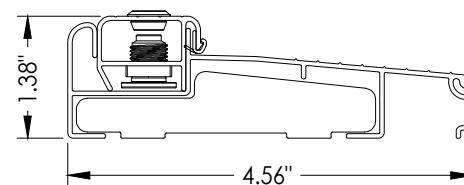
4 VERTICAL CROSS SECTION



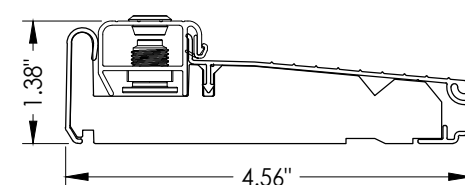
1 INSWING ADJUSTABLE THRESHOLD



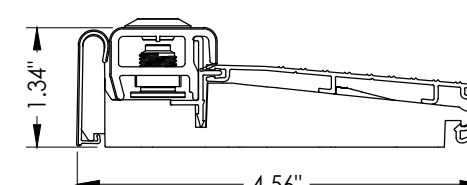
2 **INSWING ADJUSTABLE THRESHOLD**
ZAI4565FN
MAX. DESIGN PRESSURE = ± 50 PSF



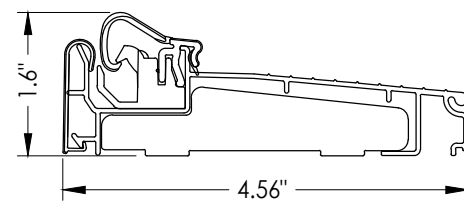
3 INSWING ADJUSTABLE THRESHOLD



4 **INSWING ADJUSTABLE THRESHOLD**
ZAI4A4565FN
MAX. DESIGN PRESSURE = ± 50 PSF

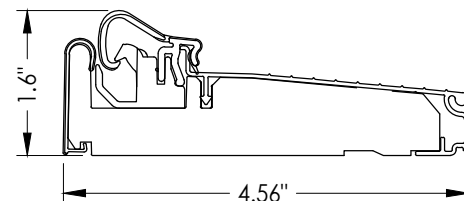


5 INSWING ADJUSTABLE THRESHOLD
ZAI4565RDS
MAX. DESIGN PRESSURE = ± 50 PSF

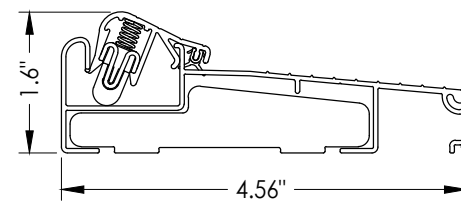


6 INSWING ARTICULATING THRESHOLD
ZACL4565

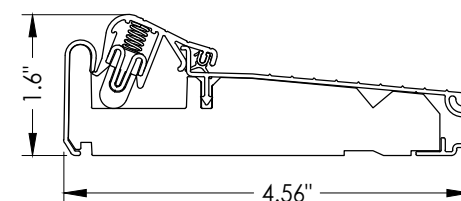
MAX. DESIGN PRESSURE = ± 50 PSF



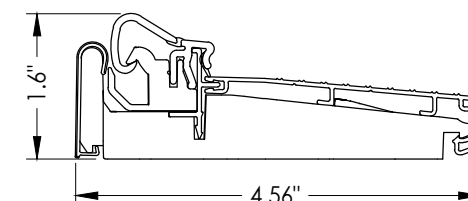
7 **INSWING ARTICULATING THRESHOLD**
ZAC4565FN
MAX. DESIGN PRESSURE = ±50 PSF



8 **INSWING ARTICULATING THRESHOLD**
ZACLAA4565
MAX. DESIGN PRESSURE = ± 50 PSF

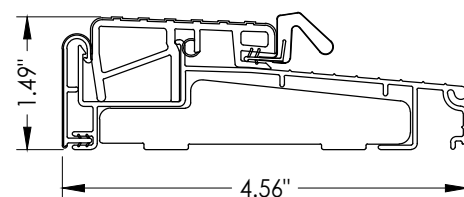


9 INSWING ARTICULATING THRESHOLD
ZACAA4565FN
MAX. DESIGN PRESSURE = ± 50 PSF

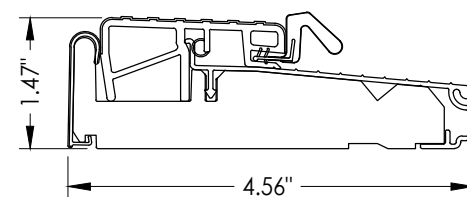


10 **INSWING ARTICULATING THRESHOLD**
ZAC4565RDS

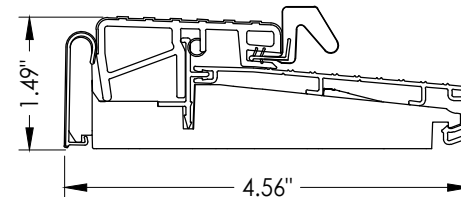
MAX. DESIGN PRESSURE = ± 45 PSF



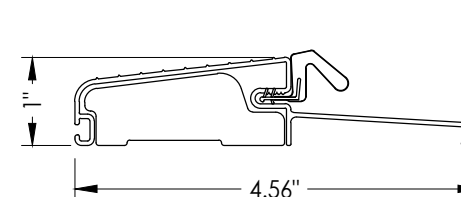
11 **OUTSWING THRESHOLD**
ZOBL4565



12 **OUTSWING THRESHOLD**
ZOB4565FN



13 OUTSWING THRESHOLD



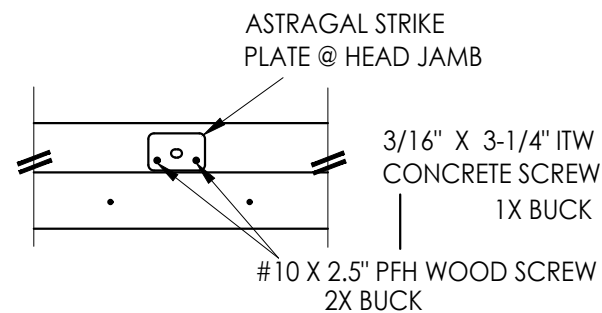
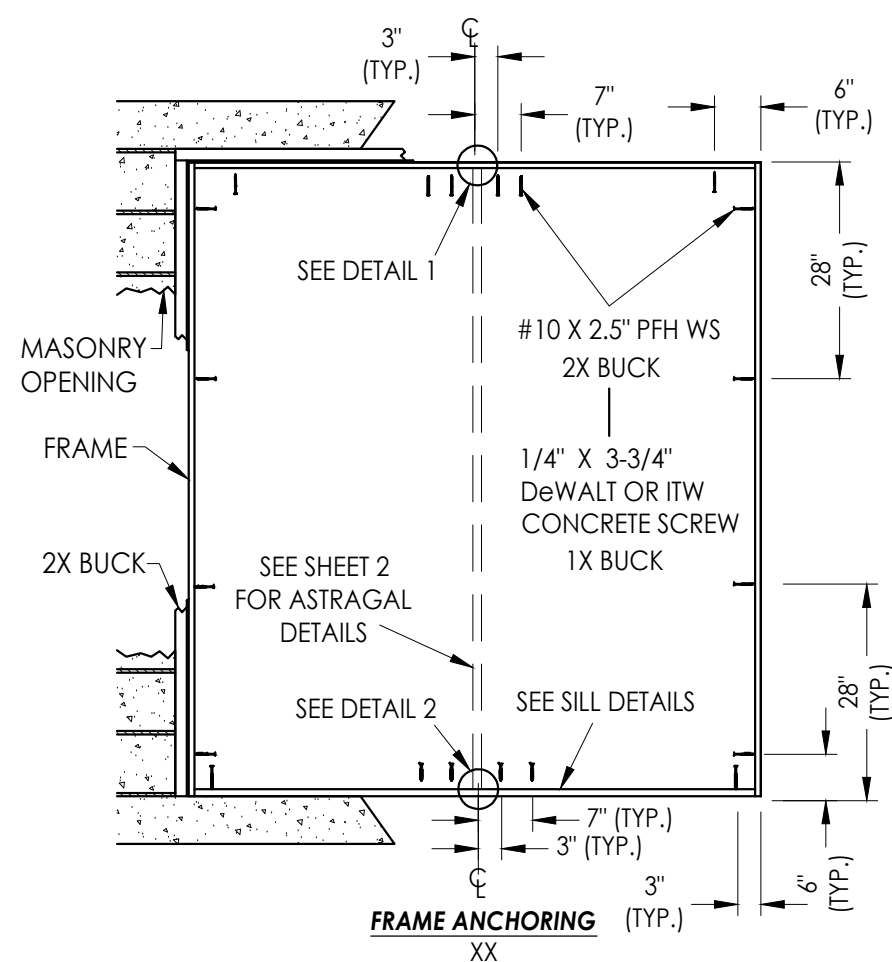
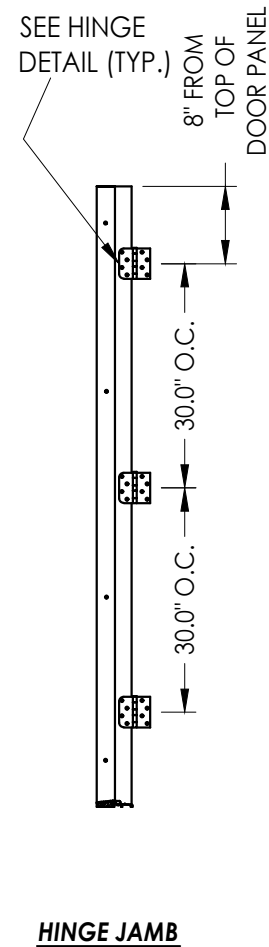
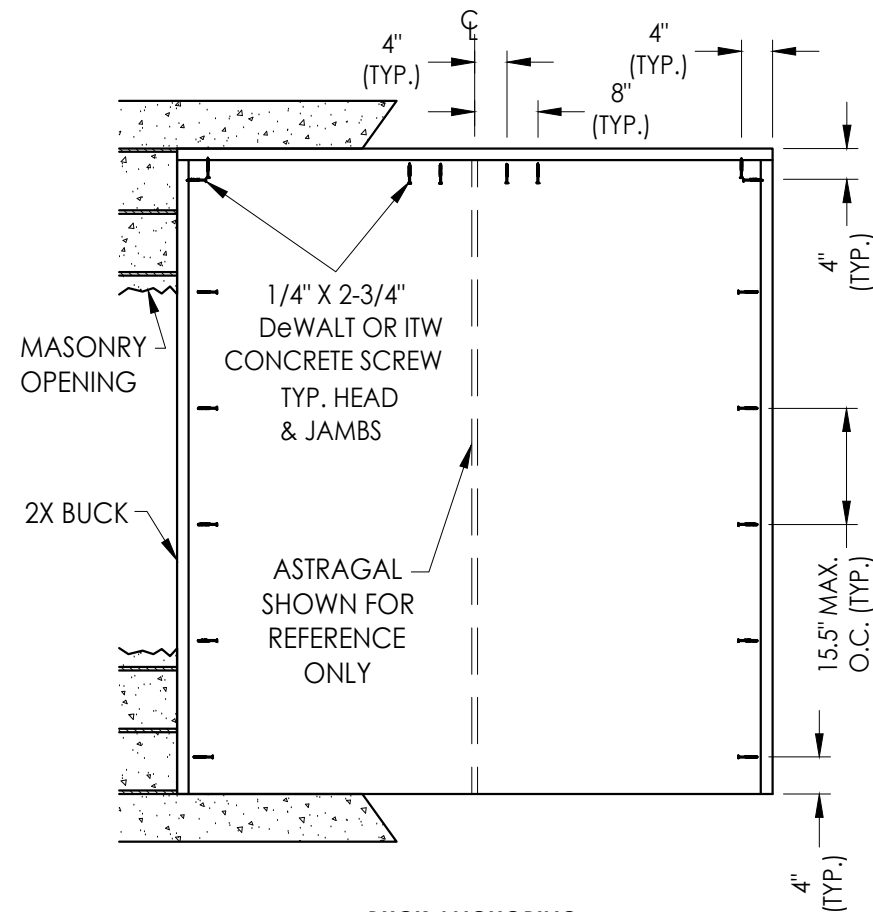
14 OUTSWING THRESHOLD
FOB4566

DATE: 5/24/16				REVISIONS <table><tr><td>NO.</td><td>DATE</td><td></td><td></td><td></td><td>BY</td></tr><tr><td>4</td><td>7/07/23</td><td>UPDATE TO 8TH ED. (2023)</td><td>FBC</td><td>LFS</td><td></td></tr><tr><td>3</td><td>8/12/20</td><td>UPDATE TO 7TH ED. (2020)</td><td>FBC</td><td>LFS</td><td></td></tr><tr><td>2</td><td>1/30/18</td><td>REVISE FOR NEW TESTING</td><td></td><td>LFS</td><td></td></tr><tr><td>1</td><td>9/18/17</td><td>UPDATE TO 6TH ED. (2017)</td><td>FBC</td><td>LFS</td><td></td></tr></table>				NO.	DATE				BY	4	7/07/23	UPDATE TO 8TH ED. (2023)	FBC	LFS		3	8/12/20	UPDATE TO 7TH ED. (2020)	FBC	LFS		2	1/30/18	REVISE FOR NEW TESTING		LFS		1	9/18/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
NO.	DATE								BY																												
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SCALE: N.T.S.																																					
DWG. BY: JK																																					
CHK. BY: LFS																																					
DRAWING NO.: FL-16634.17																																					
SHEET 5 OF 6																																					

PRODUCT: ENDURA		PART OR ASSEMBLY: THRESHOLD 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

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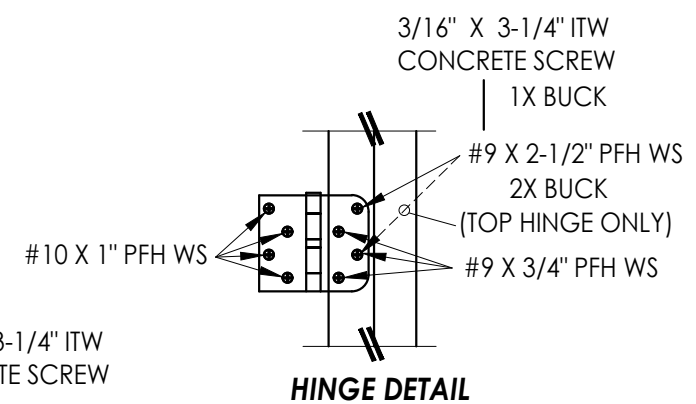
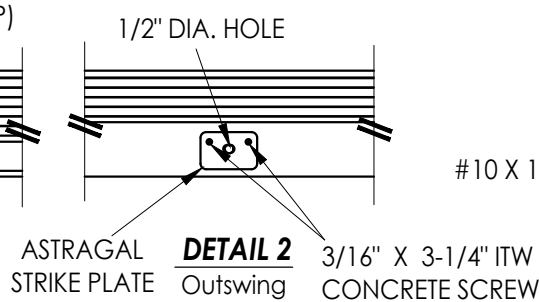
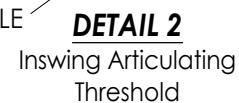
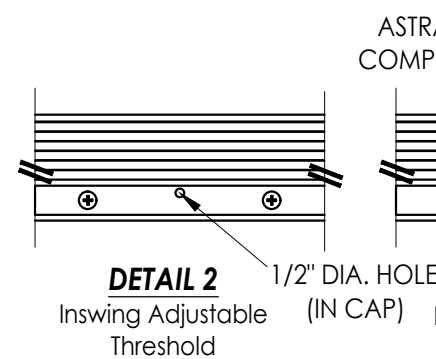
CONCRETE ANCHOR NOTES:

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"	1-1/4"	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:

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



DATE:	5/24/16		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	FL-16634.17		
SHEET	6	OF	6

Documents Prepared By:
Lyndon F. Schmidt
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Phone No.: 813.659.9197
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