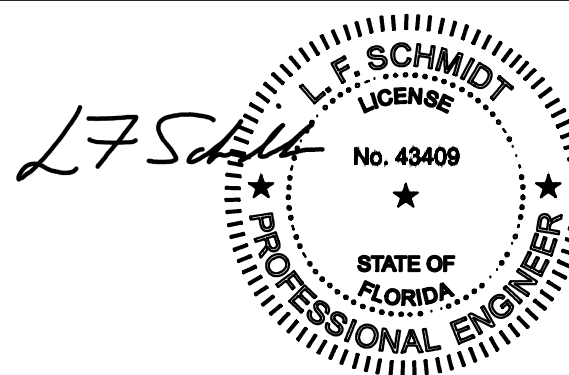




Smooth / Wood Grain / White Wood Grain
Rustic / Mahogany
Series Fiberglass Door
INSWING / OUTSWING
"IMPACT"

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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. 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 elevation, design pressures, & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring - 2X buck masonry construction
6	Frame anchoring - 1X buck masonry construction
7	Astragal details
8	Bill of materials & components



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.

Technical drawing of a double door with dimensions and panel layout. The drawing shows a top-down view of a double door with a central vertical hinge line. The left door has a handle and a lock. The right door has a handle. The drawing includes the following dimensions and labels:

- 74.0" MAX. O.A. FRAME WIDTH**: Overall frame width.
- 37.5" MAX. FRAME WIDTH**: Frame width of a single door.
- 82.0" MAX. OVERALL FRAME HEIGHT - INSWING**: Overall frame height for the inswing side.
- 80.37" MAX. OVERALL FRAME HEIGHT - OUTSWING**: Overall frame height for the outswing side.
- Panel Layout**: Each door features a 2x2 grid of panels. The top two panels are small squares, and the bottom two are large rectangles. A large 'X' is placed over the bottom two panels of each door.
- Hardware**: A handle and a lock are shown on the left door.

SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
INSWING	74.0" x 82.0"	+50.0	-50.0
OUTSWING	74.0" x 80.37"		

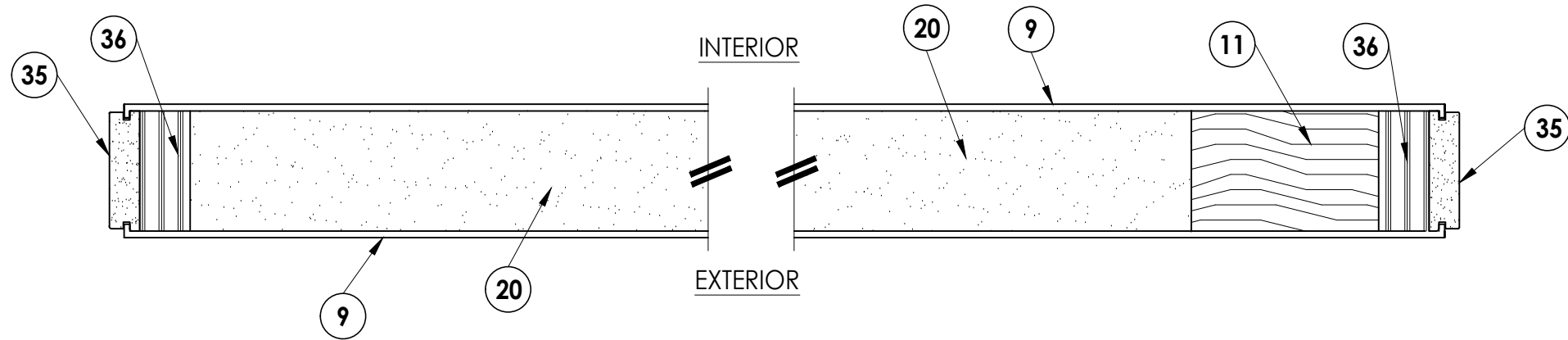
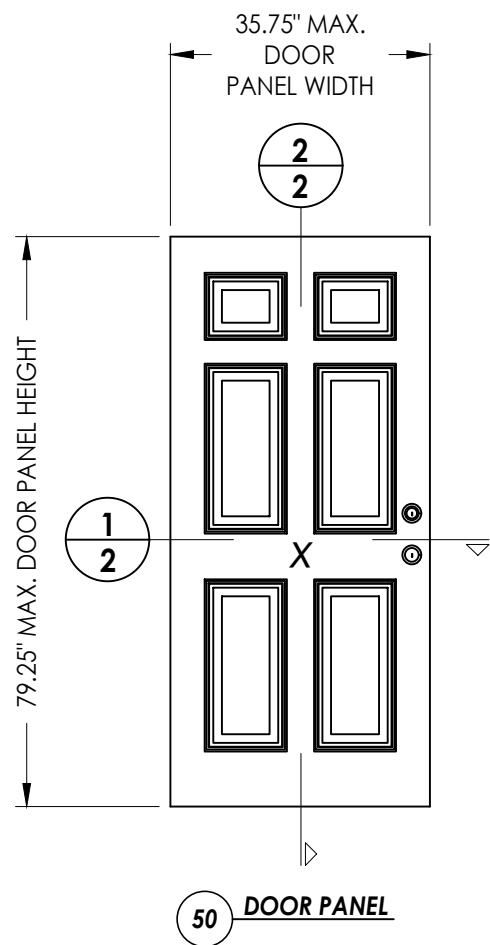
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P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
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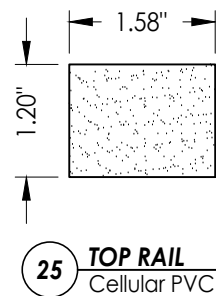
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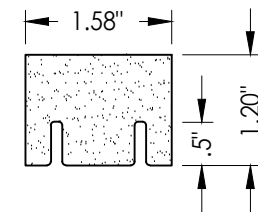
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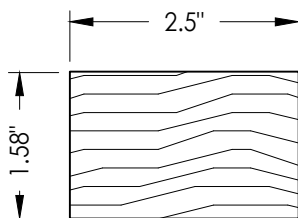
1/2 HORIZONTAL CROSS SECTION



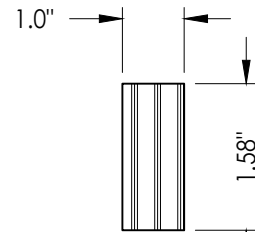
25 TOP RAIL
Cellular PVC



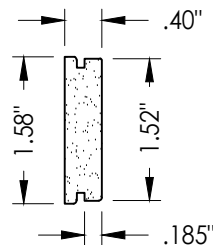
14 BOTTOM RAIL
Cellular PVC



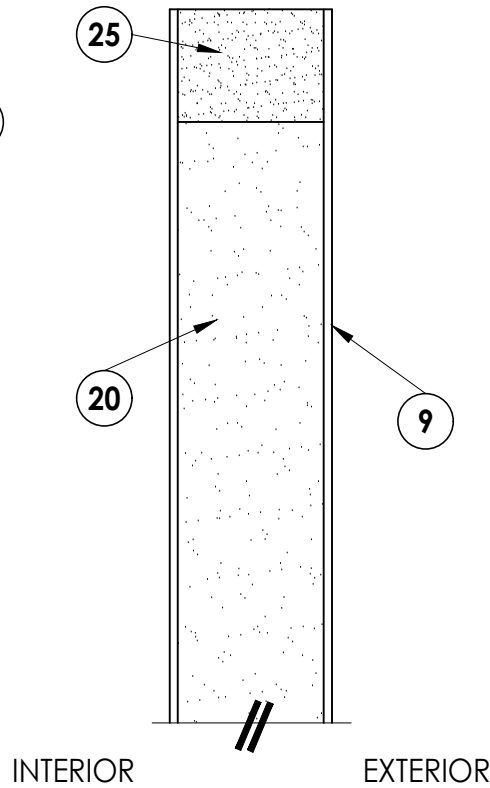
11 REINFORCEMENT WOOD
For lock



36 HINGE & LATCH STILE
Reinforcement



35 HINGE & LATCH STILE
Cellular PVC



2/2 VERTICAL CROSS SECTION

NO.	DATE	REVISIONS
4	8/24/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	7/27/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	10/19/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

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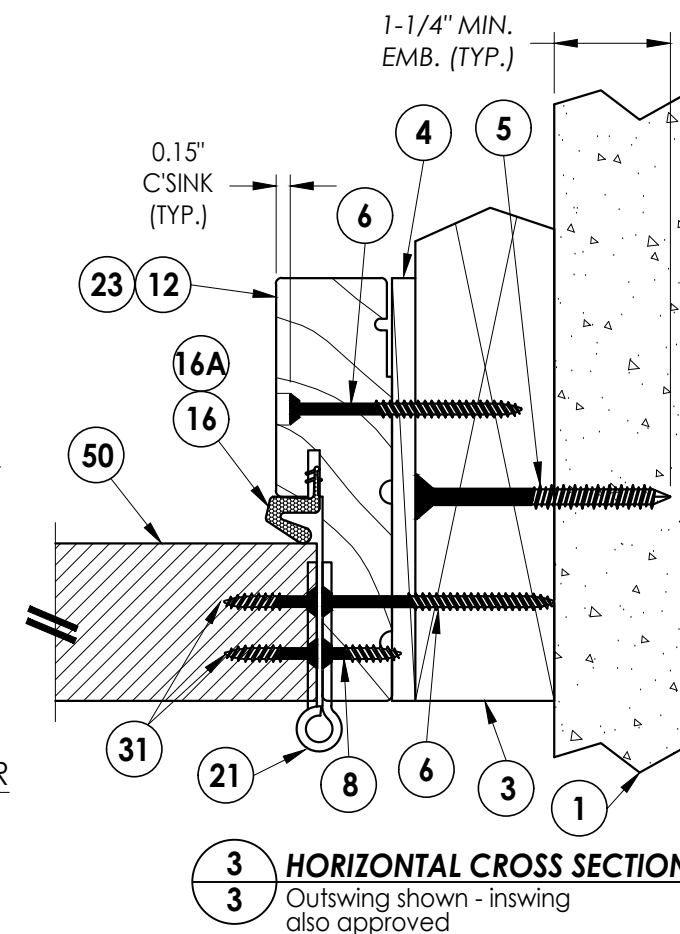
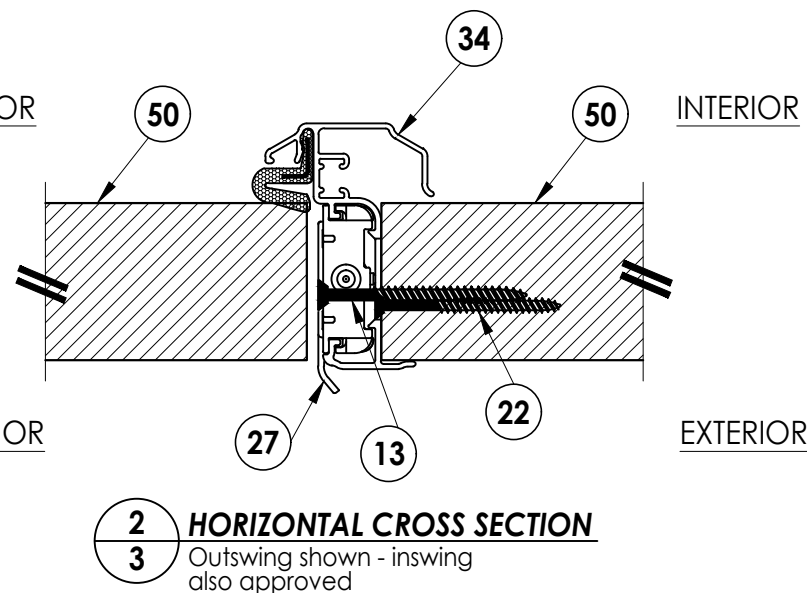
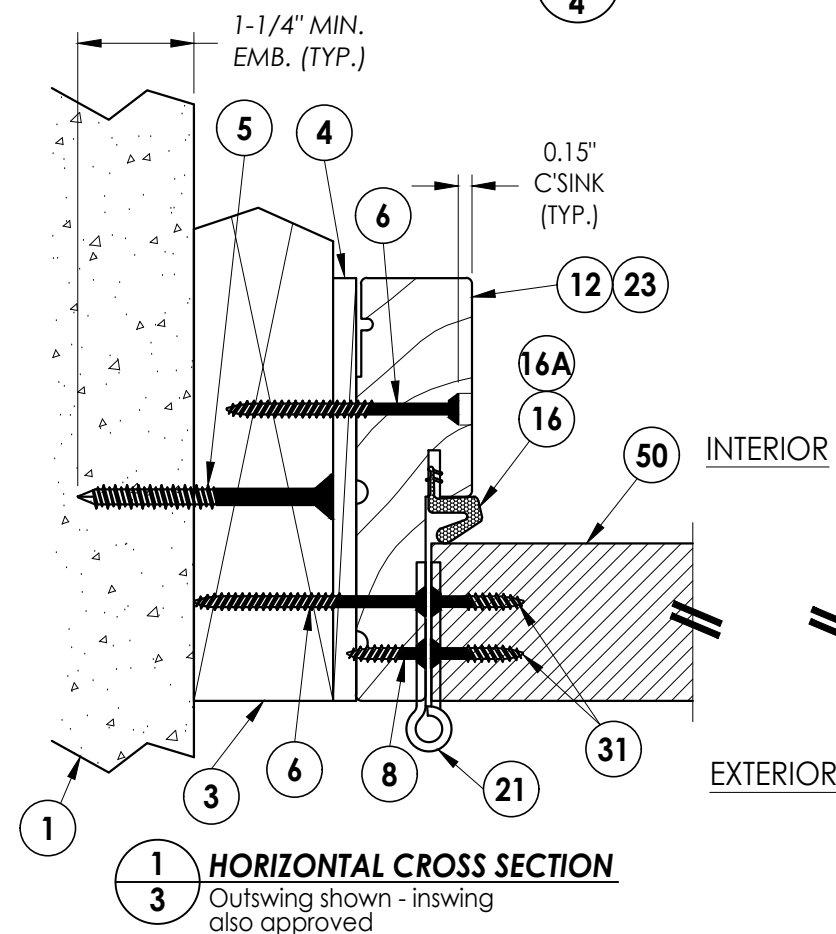
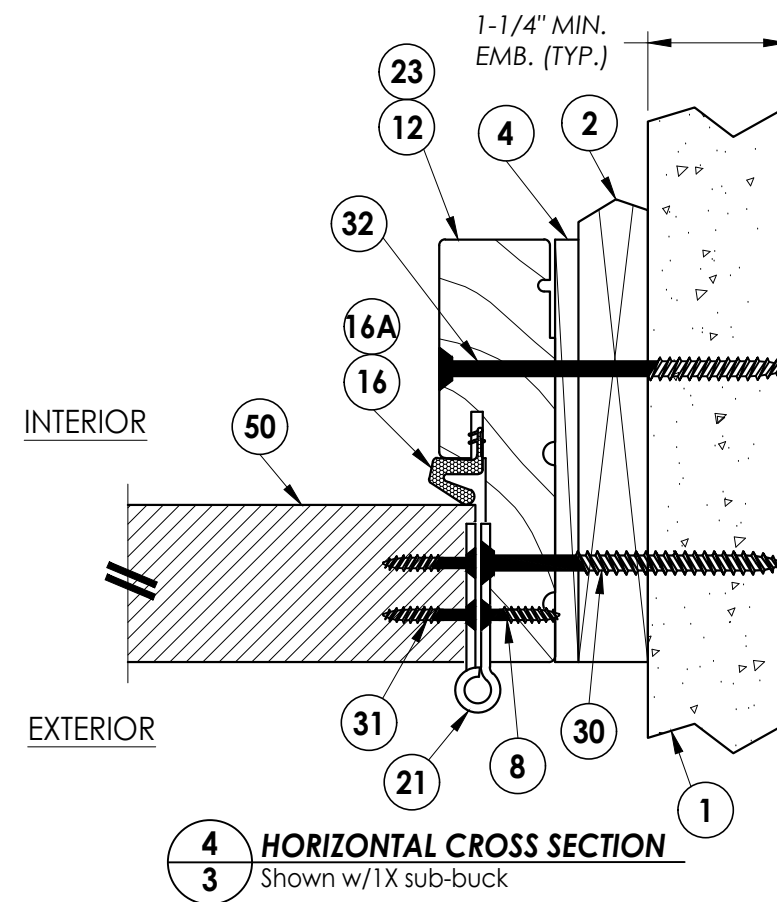
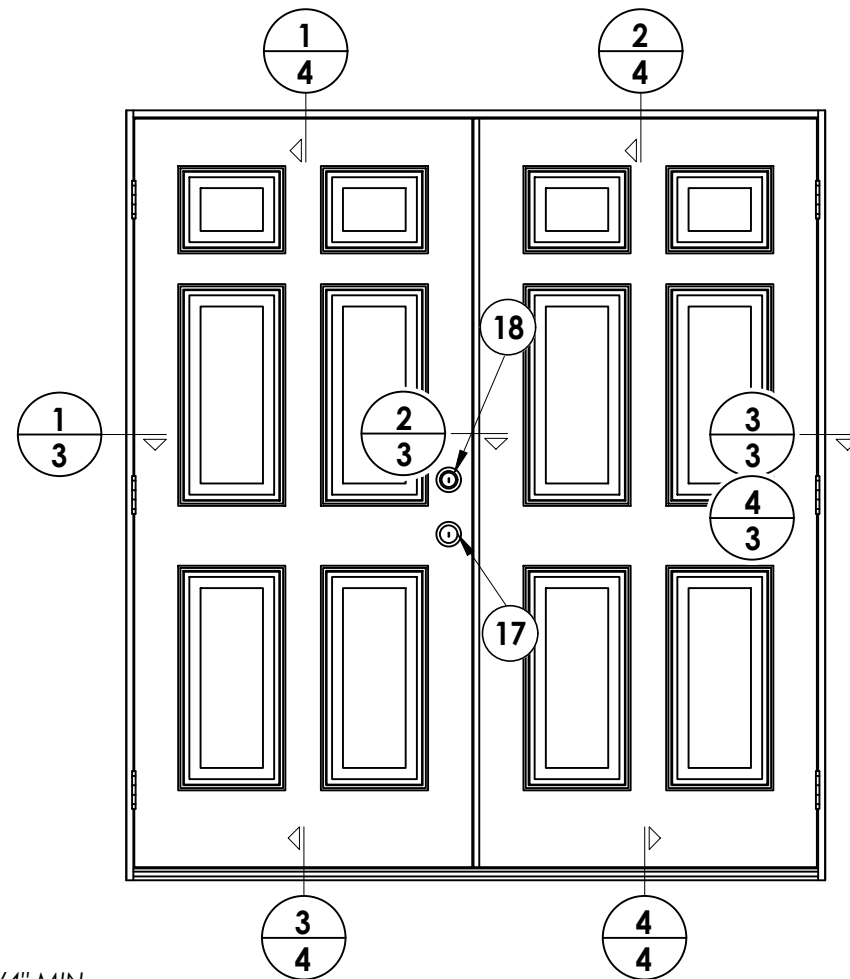
SHEET 2 OF 8

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Lyndon F. Schmidt
P.E. No. 43409

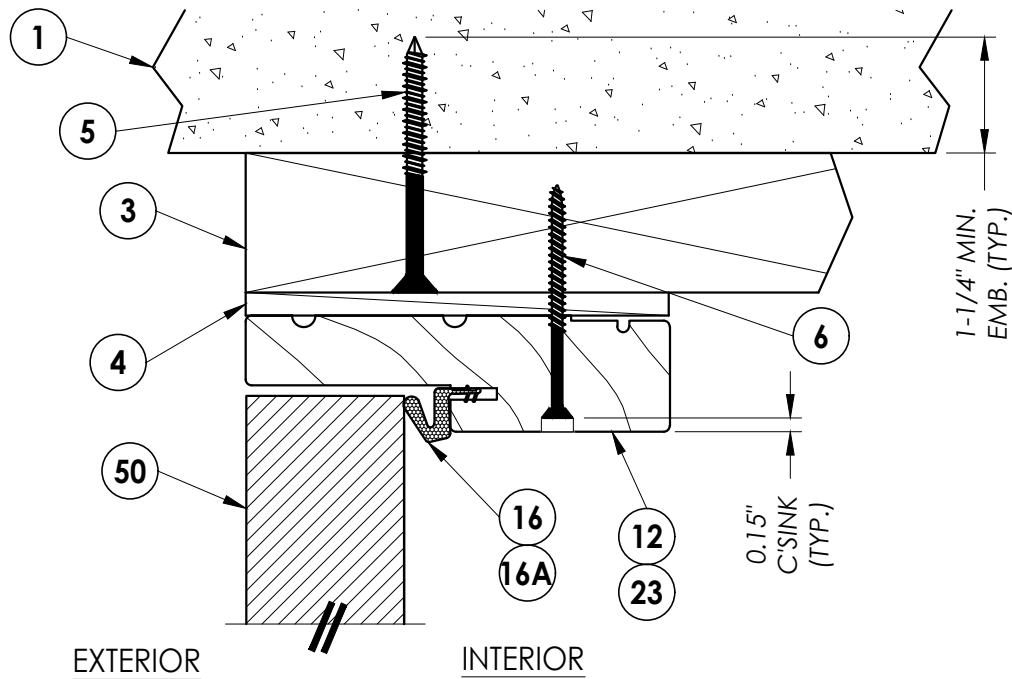
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

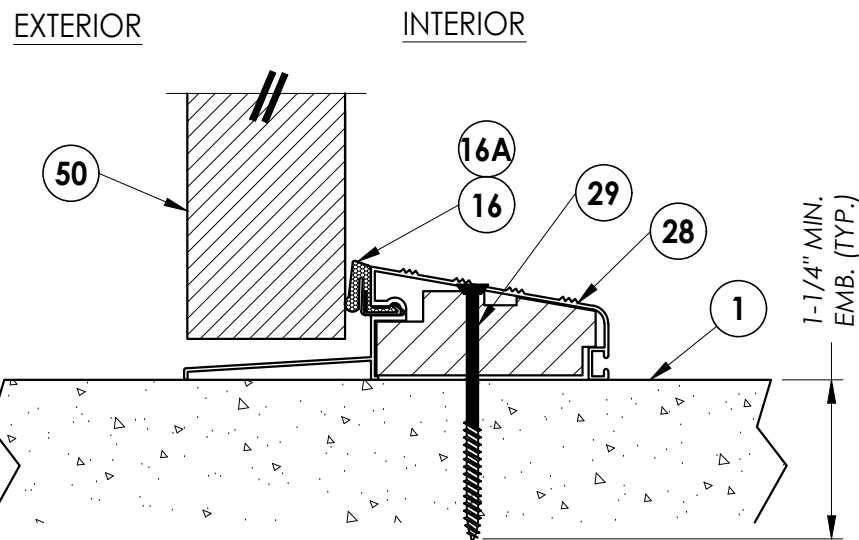
PART OR ASSEMBLY:
DOOR PANEL DETAILS

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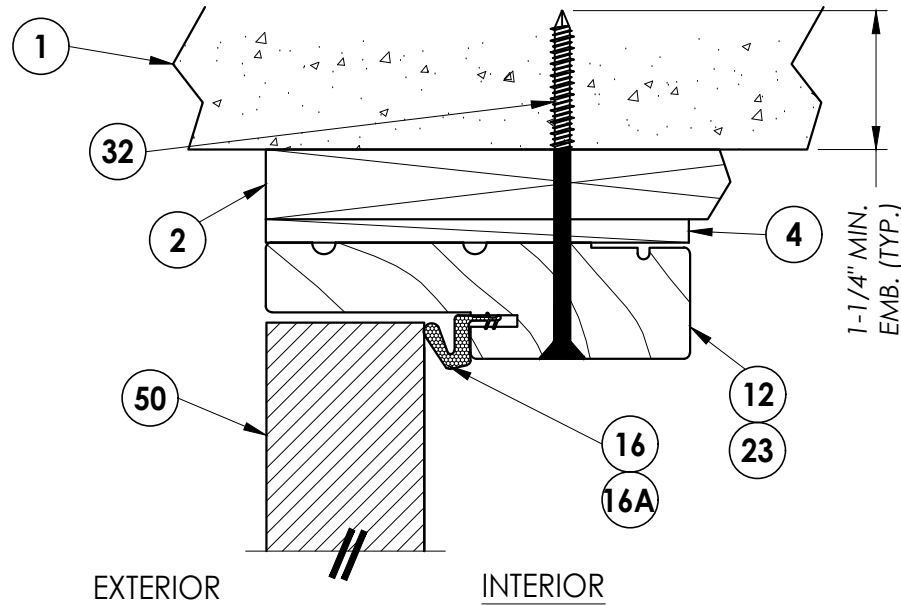
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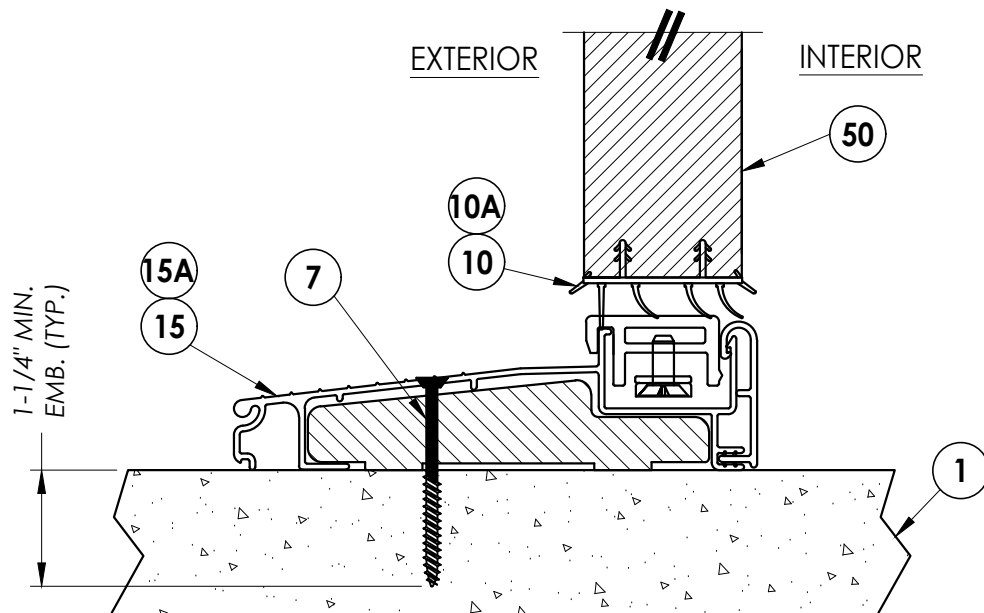
1
4 **VERTICAL CROSS SECTION**
Outswing shown - inswing
also approved



3
4 **VERTICAL CROSS SECTION**
Outswing configuration



2
4 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



4
4 **VERTICAL CROSS SECTION**
Inswing configuration

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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR
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VERTICAL CROSS SECTIONS

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1	04/22/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 02/16/12

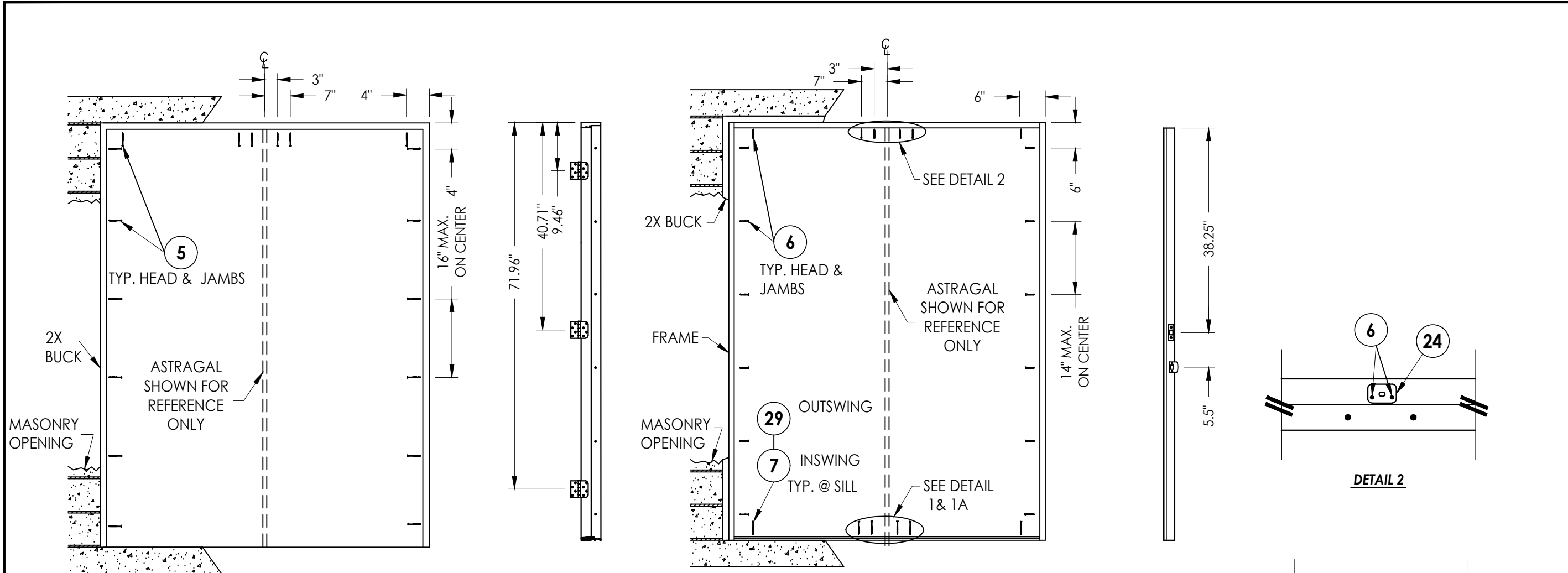
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SHEET 4 OF 8



BUCK ANCHORING

HINGE JAMB

FRAME ANCHORING
Masonry 2X buck construction

ASTRALGAL STRIKE JAMB

DETAIL 2

DETAIL 1
Inswing configuration

DETAIL 1A
Outswing configuration

LATCH & DEADBOLT DETAIL

HINGE DETAIL

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 ULTRA-CON®	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

PLASTPRO INC.
FIBERGLASS DOOR
PART OR ASSEMBLY:
BUCK & FRAME ANCHORING 2X
BUCK MASONRY CONSTRUCTION

BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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2	10/19/17	UPDATE TO 6TH ED. (2017) FBC
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC

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SHEET 5 OF 8

MASONRY
OPENING

1X BUCK

Masonry 1X buck construction

SEE DETAIL
1 & 1A

29 OUTSWING

7 INSWING

ASTRAGAL STRIKE JAMB

HINGE DETAIL

LATCH & DEADBOLT DETAIL

DETAIL 2

DETAIL 1

Inswing configuration

DETAIL 1

Outswing configuration

CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
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1	04/22/15		UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE				BY
					REVISIONS

DATE: 02/16/12

SCALE: *N.T.S.*

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CHK. BY: LFS

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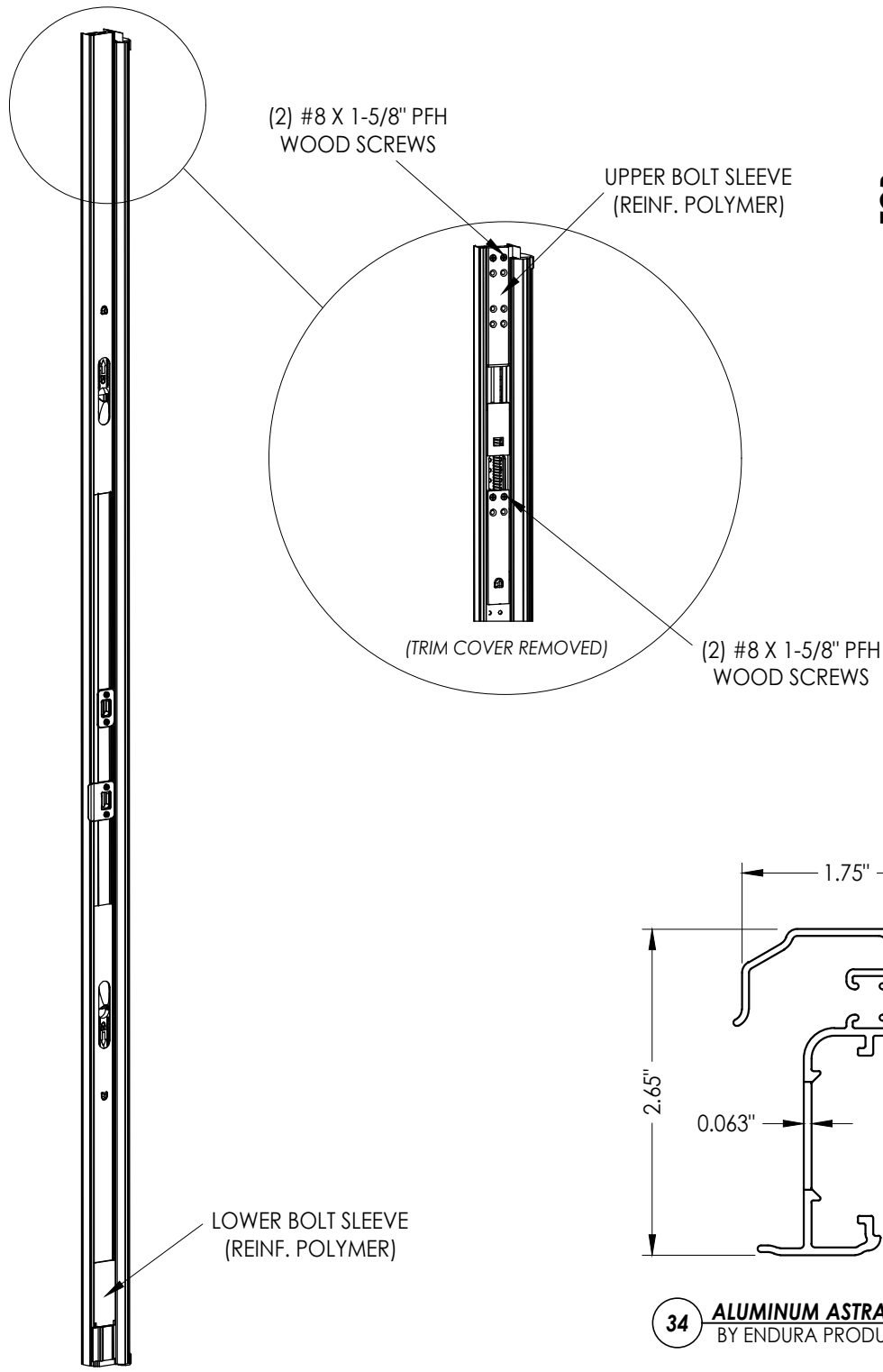
SHEET 6 OF 8

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Lyndon F. Schmidt
P.E. No. 43409

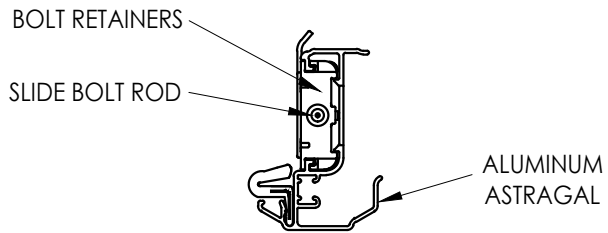
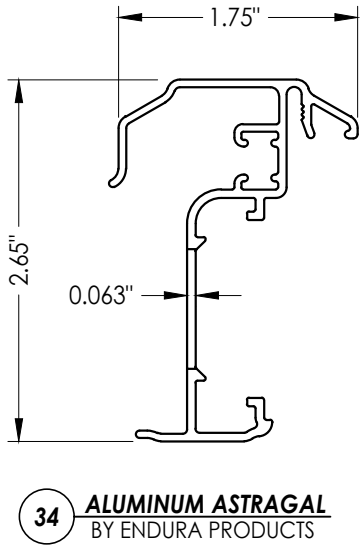
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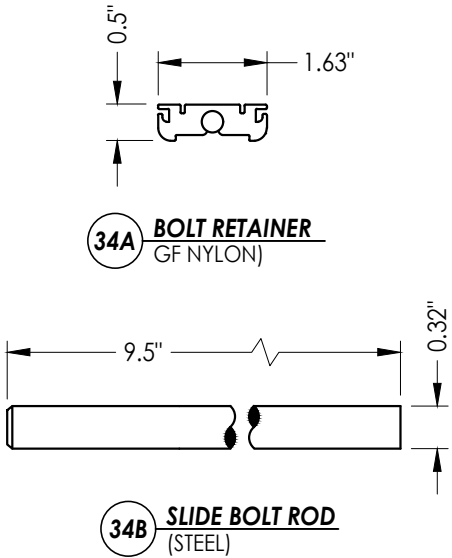
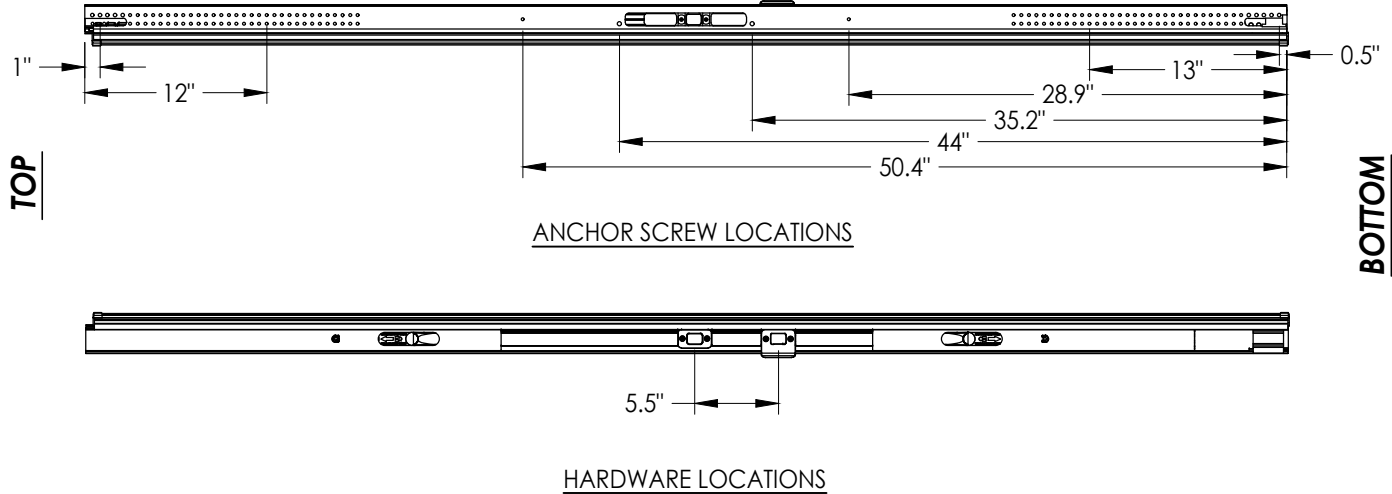
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ULTIMATE HURRICANE ASTRAGAL



ALUMINUM ASTRAGAL ASSEMBLY



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Lyndon F. Schmidt		FIBERGLASS DOOR		P.O. Box 230, Valrico, FL 33595	
P.E. No. 43409		PART OR ASSEMBLY:		Phone No.: 813.659.9197	
		ASTRAGAL DETAILS		FBPE Registry No. 9813	
		(ULTIMATE HURRICANE)			
			LFS	REVISIONS	
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2	10/19/17	UPDATE TO 6TH ED. (2017)	FBC		
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC		
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CHK. BY: LFS					
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SHEET 7 OF 8					

