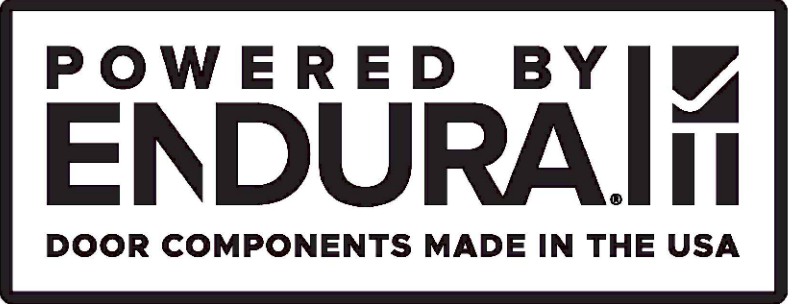


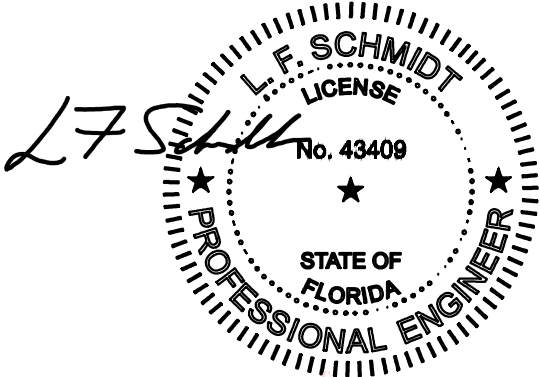


TRILENNIUM®
MULTI-POINT LOCK
w/ Plastpro Opaque Fiberglass Double Door
INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

- 1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
- 4. 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 E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- 5. For 2x stud construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- 7. Outswing configurations using threshold items #31 & 32 meet water infiltration requirements for "HVHZ".
- 8. Inswing configurations and outswing configurations using threshold item #30 do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

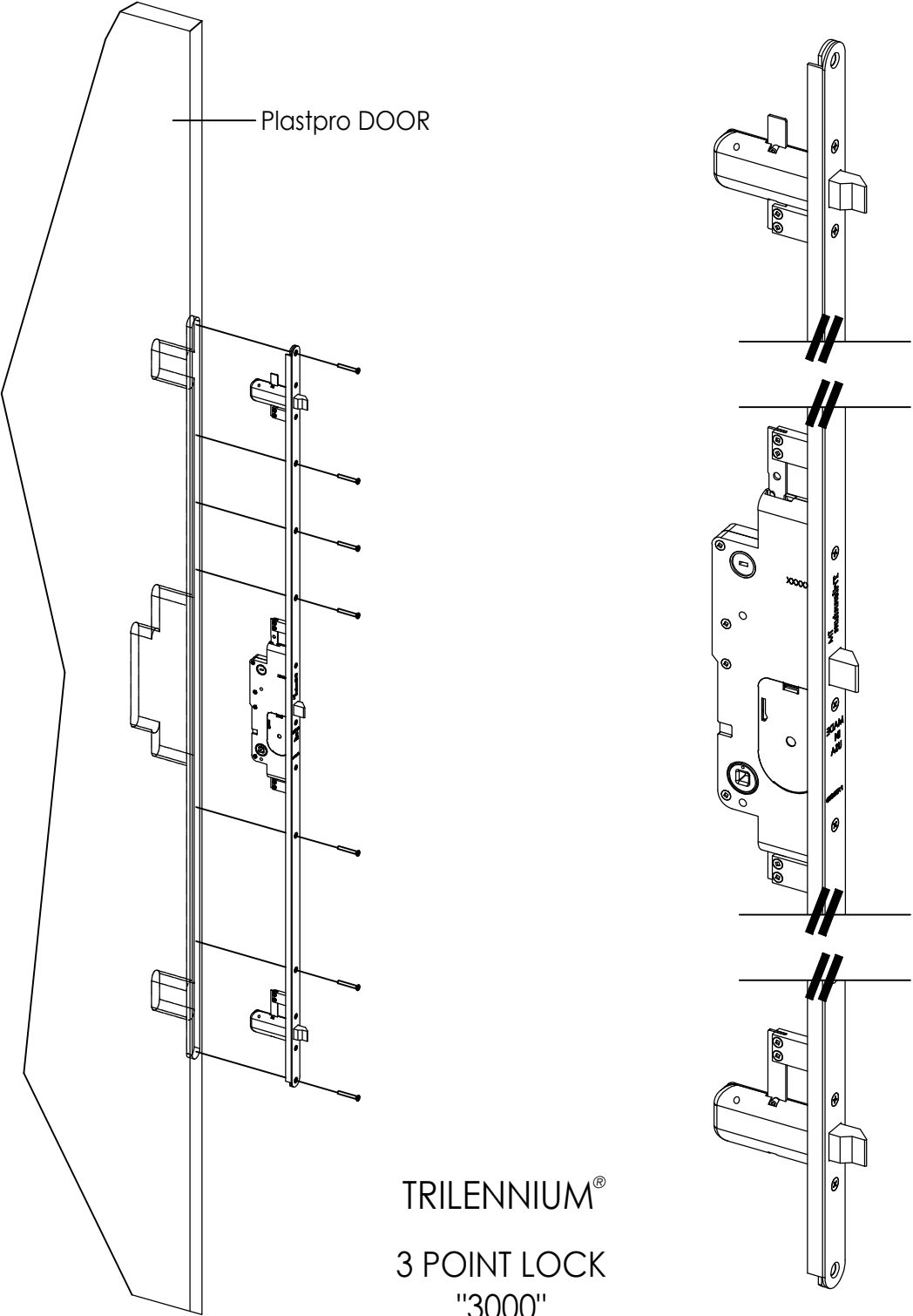
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures, & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring
6	Lock set details
7	Bill of materials and components



Digitally signed by Lyndon F Schmidt
Date: 2023.07.17 13:59:06 -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



SWING	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
OUTSWING	37.50" x 97.125"	+50.0	-50.0
INSWING	37.50" x 98.00"	+50.0	-55.0

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Lyndon F. Schmidt
P.E. No. 43409

ENDURA

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

3	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
2	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
1	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
NO.	DATE			BY
REVISIONS				

DATE: 12/10/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

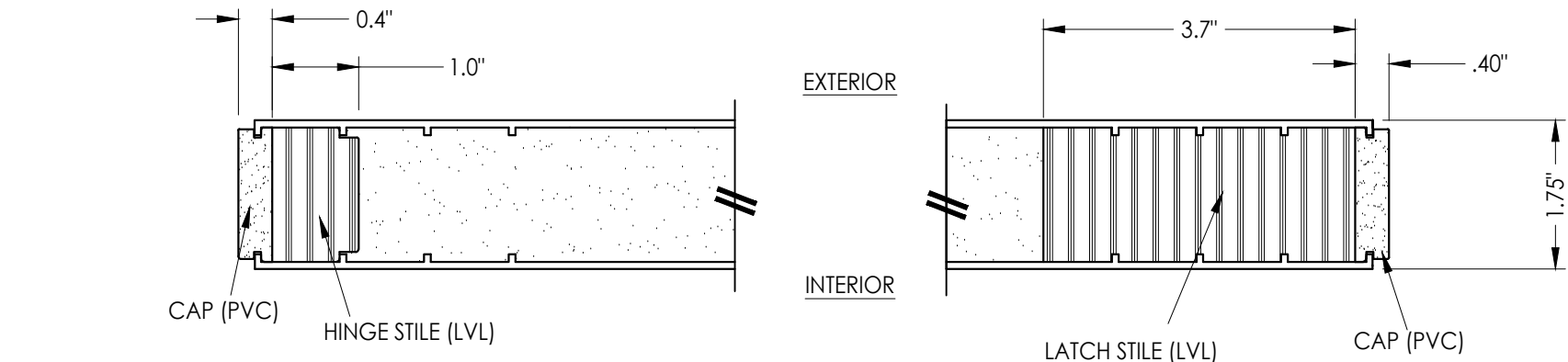
DRAWING NO.: FL-15384.12

SHEET 1 OF 7

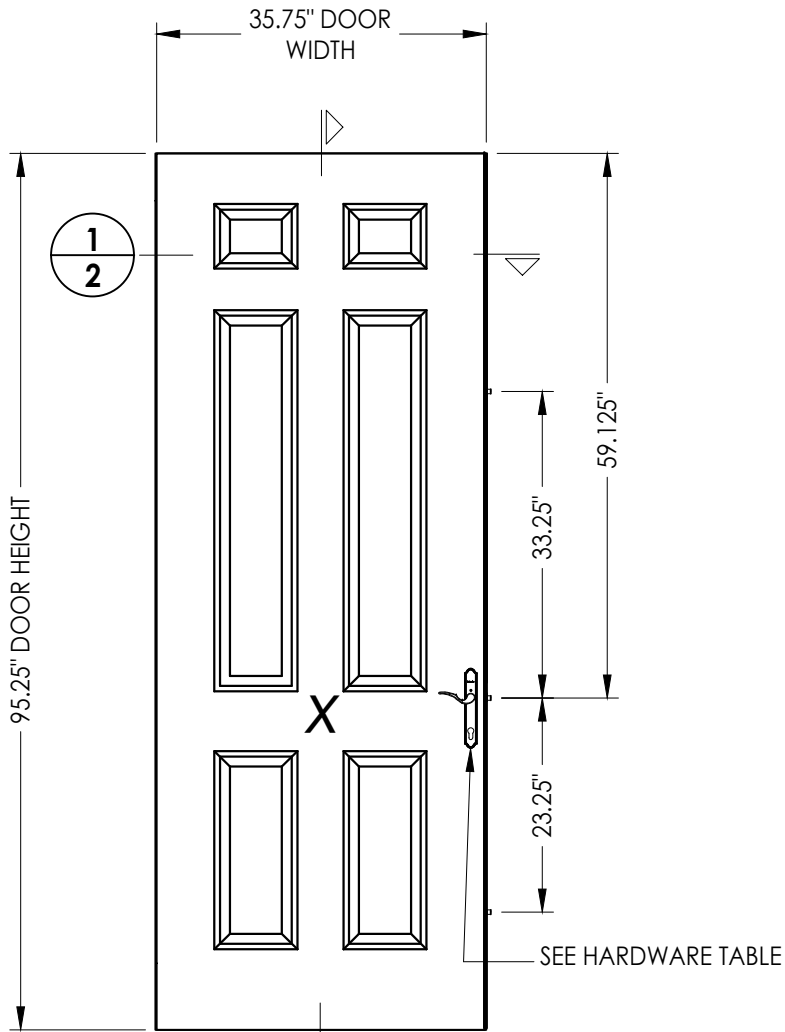
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Phone No.: 813.659.9197
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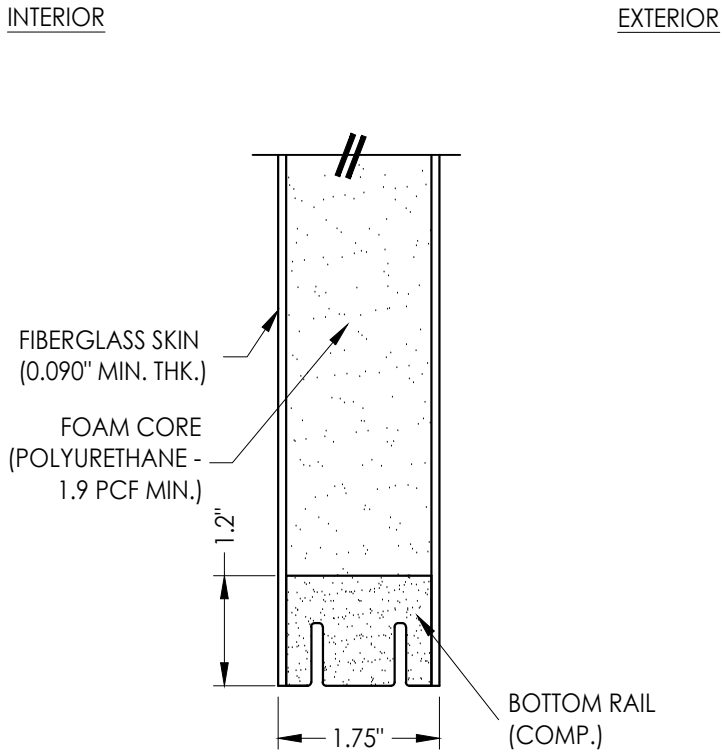
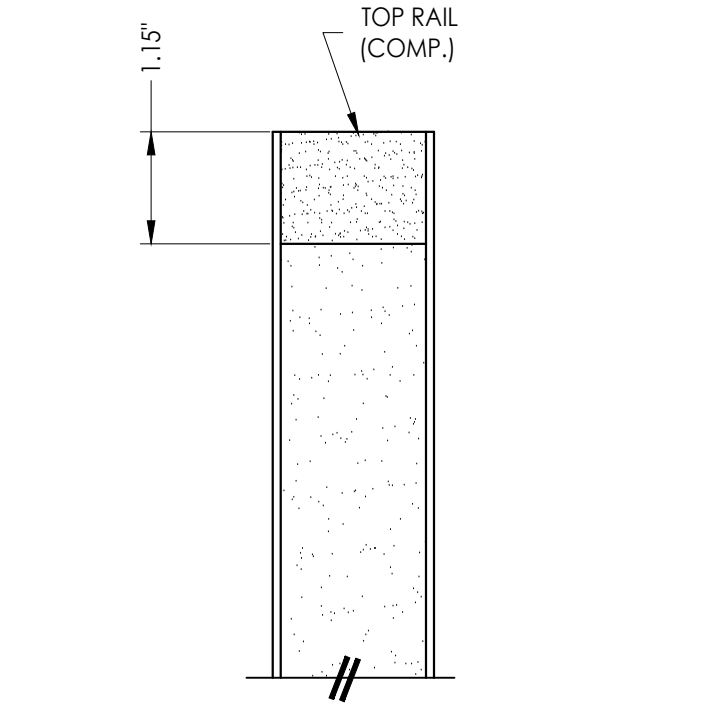


1
2 HORIZONTAL CROSS SECTION



40 DOOR PANEL
Plastpro Fiberglass

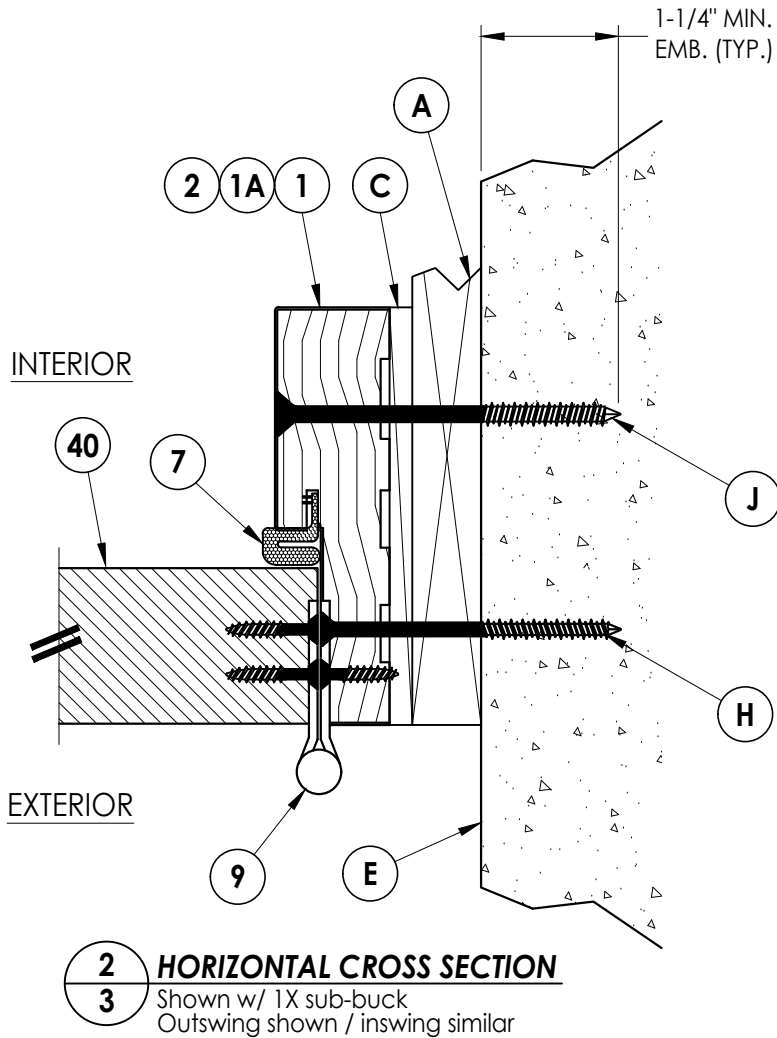
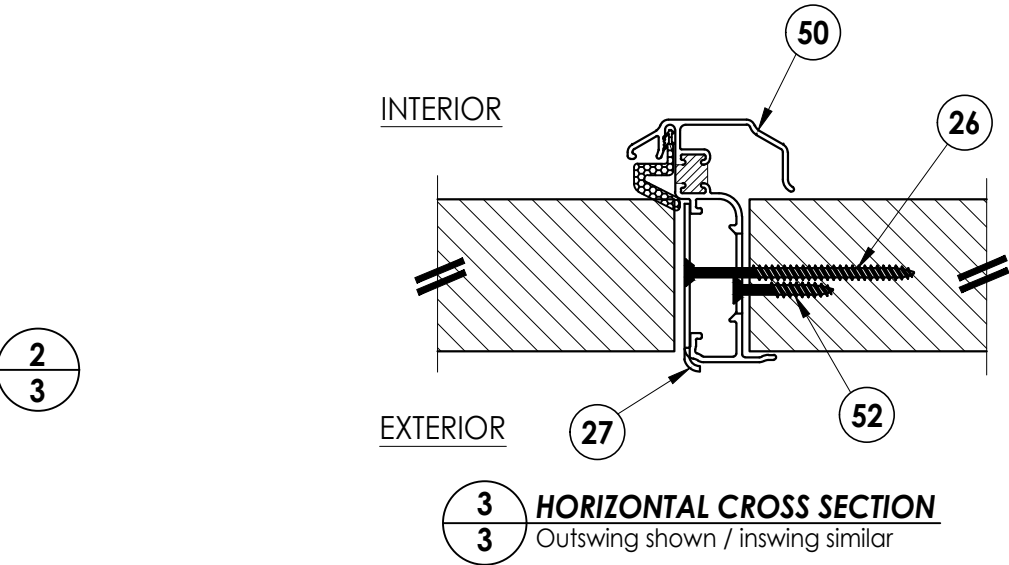
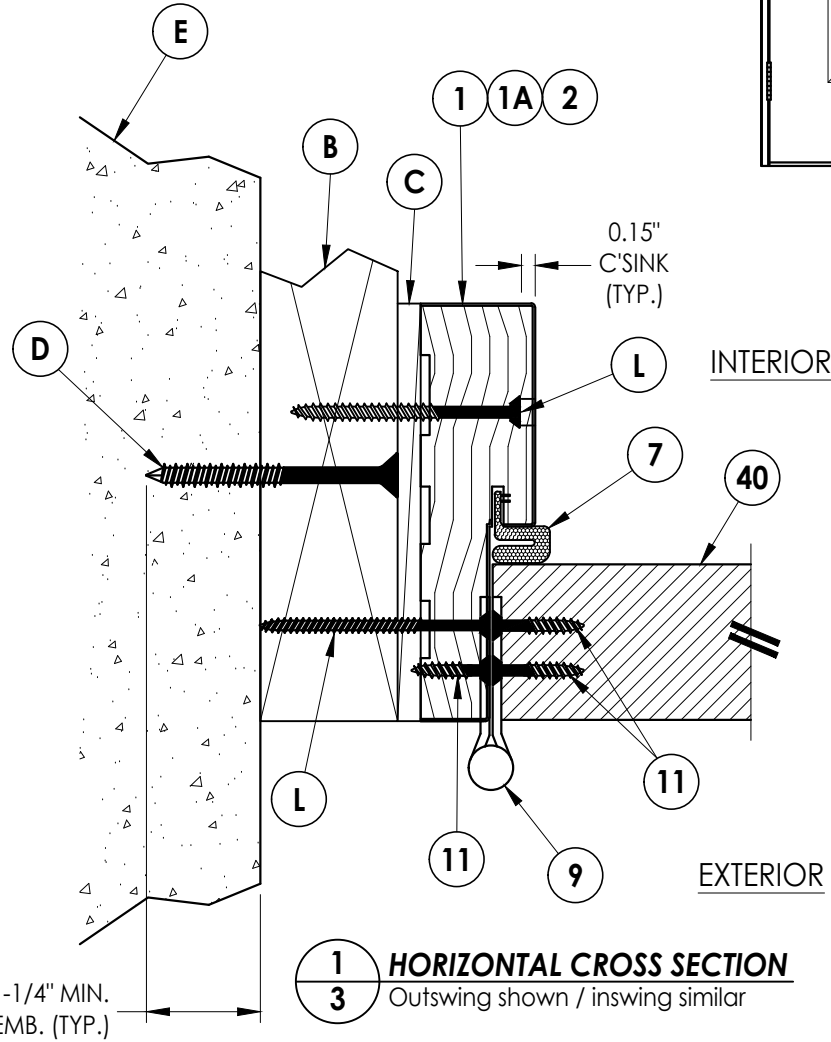
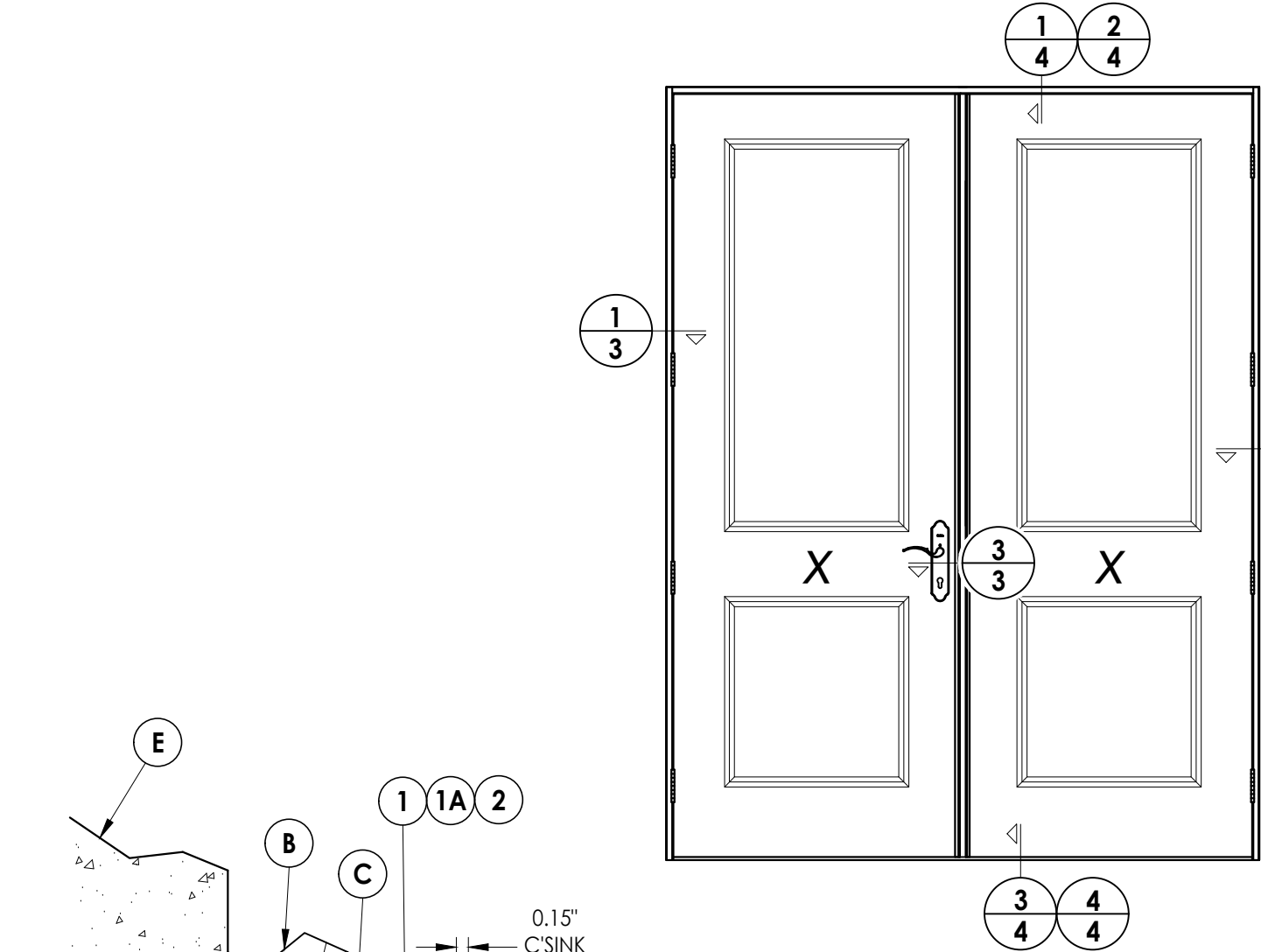
HARDWARE TABLE	
MANUFACTURER	MODEL
Endura	Trilennium® 3000 Series Multi-point lock (3pt.)



2
2 VERTICAL CROSS SECTION

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PRODUCT: ENDURA		PART OR ASSEMBLY: DOOR PANEL DETAILS	
3	7/06/23	UPDATE TO 8TH ED. (2023)	FBC LFS
2	8/03/20	UPDATE TO 7TH ED. (2020)	FBC LFS
1	9/26/17	UPDATE TO 6TH ED. (2017)	FBC LFS
NO.	DATE		BY
REVISIONS			
DATE: 12/10/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15384.12			
SHEET 2 OF 7			

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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
ENDURA

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
3	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	9/26/17	UPDATE TO 6TH ED. (2017) FBC LFS

DATE: 12/10/15

SCALE: N.T.S.

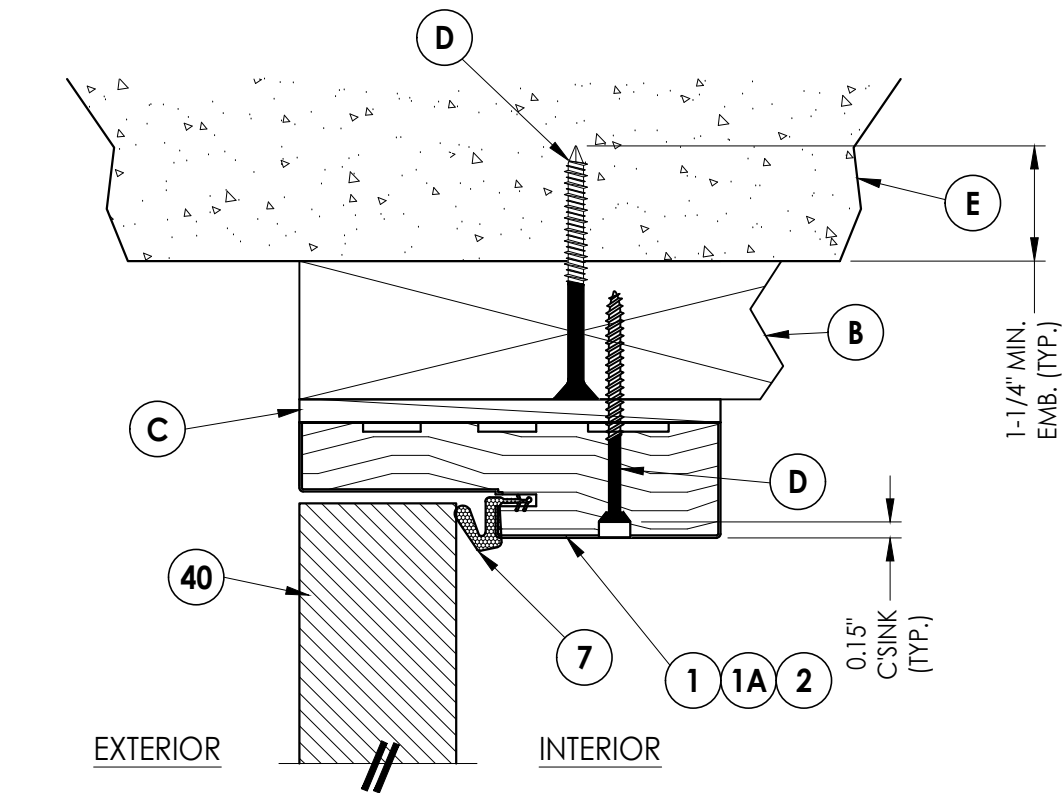
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CHK. BY: LFS

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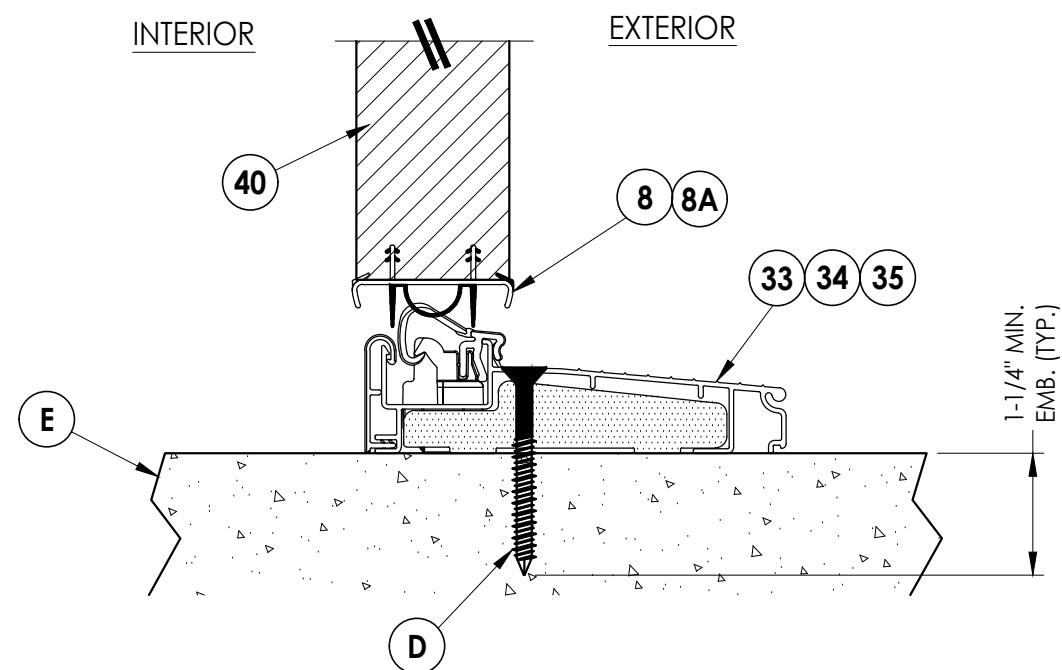
FL-15384.12

SHEET 3 OF 7

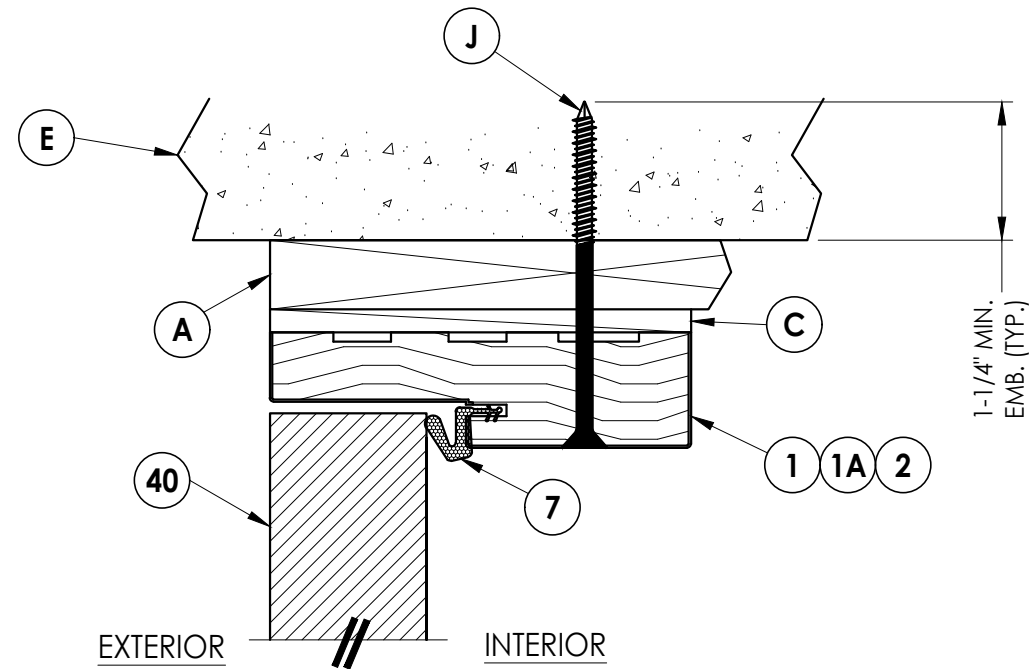


1 4 VERTICAL CROSS SECTION

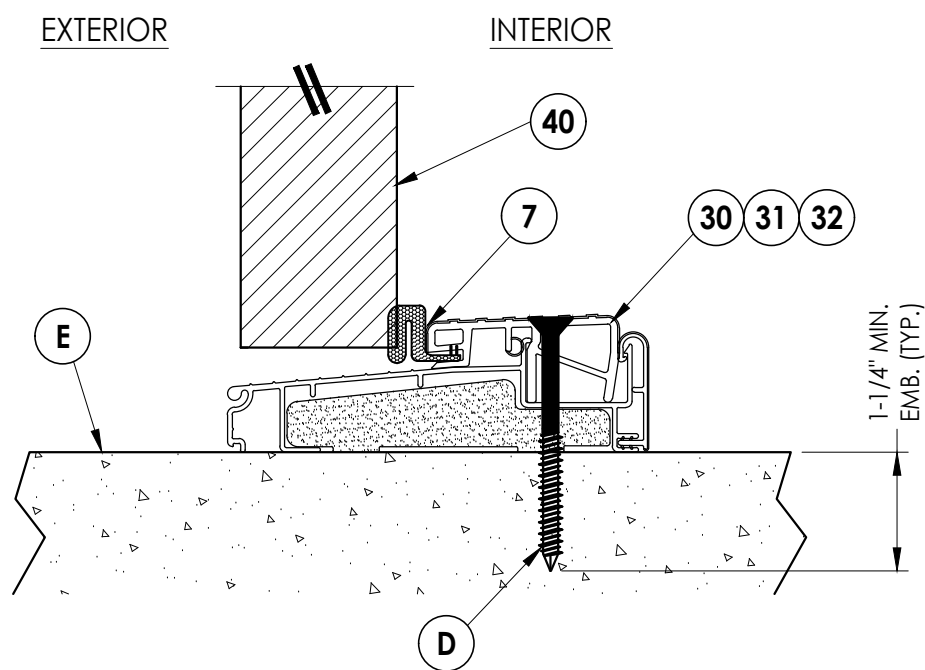
Outswing shown / inswing similar



3 VERTICAL CROSS SECTION 4 (Inswing)



2 **VERTICAL CROSS SECTION**
4 Shown w/1X sub-buck
 Outswing shown / inswing similar



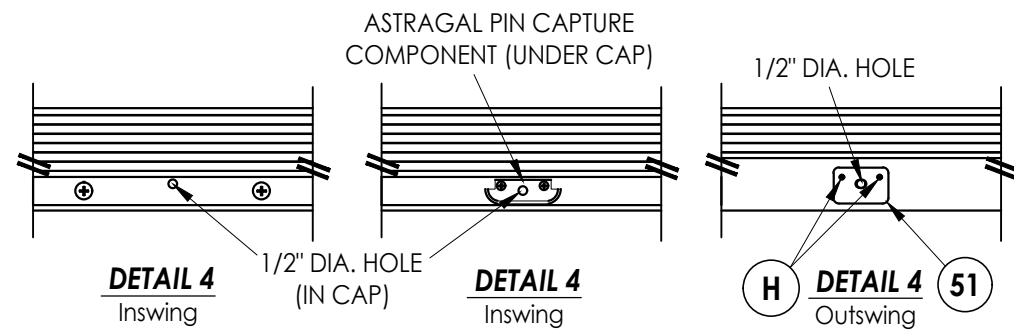
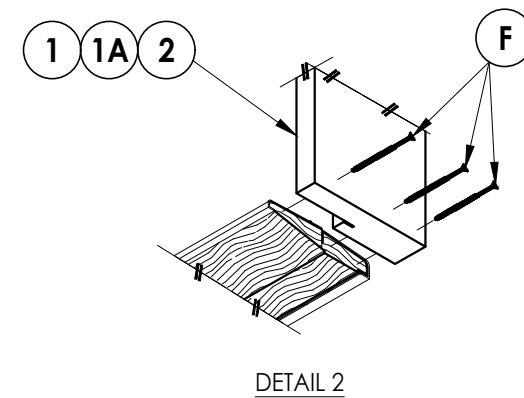
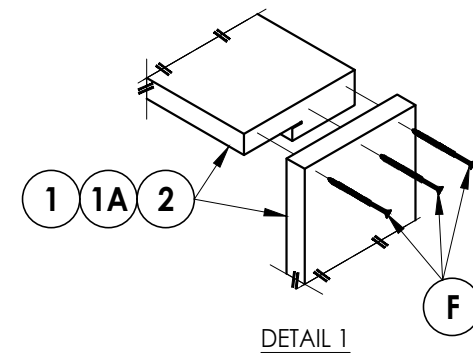
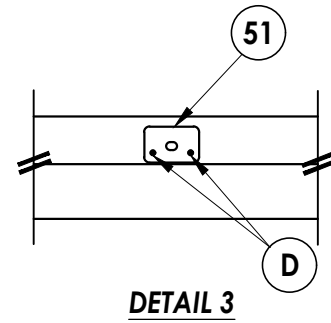
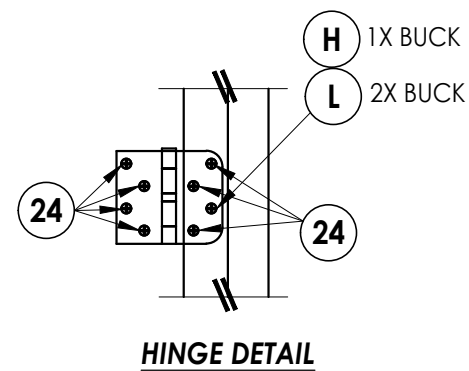
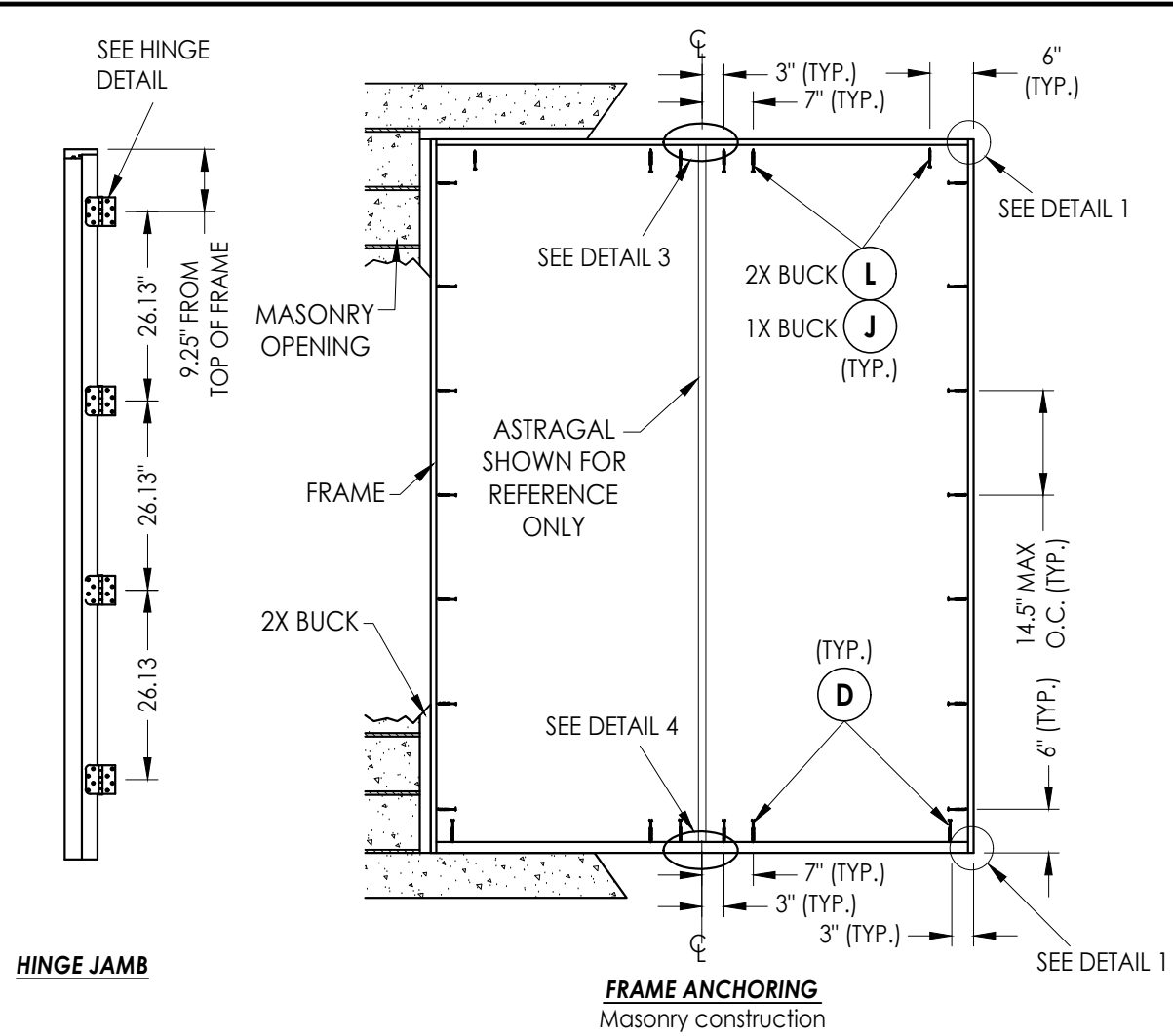
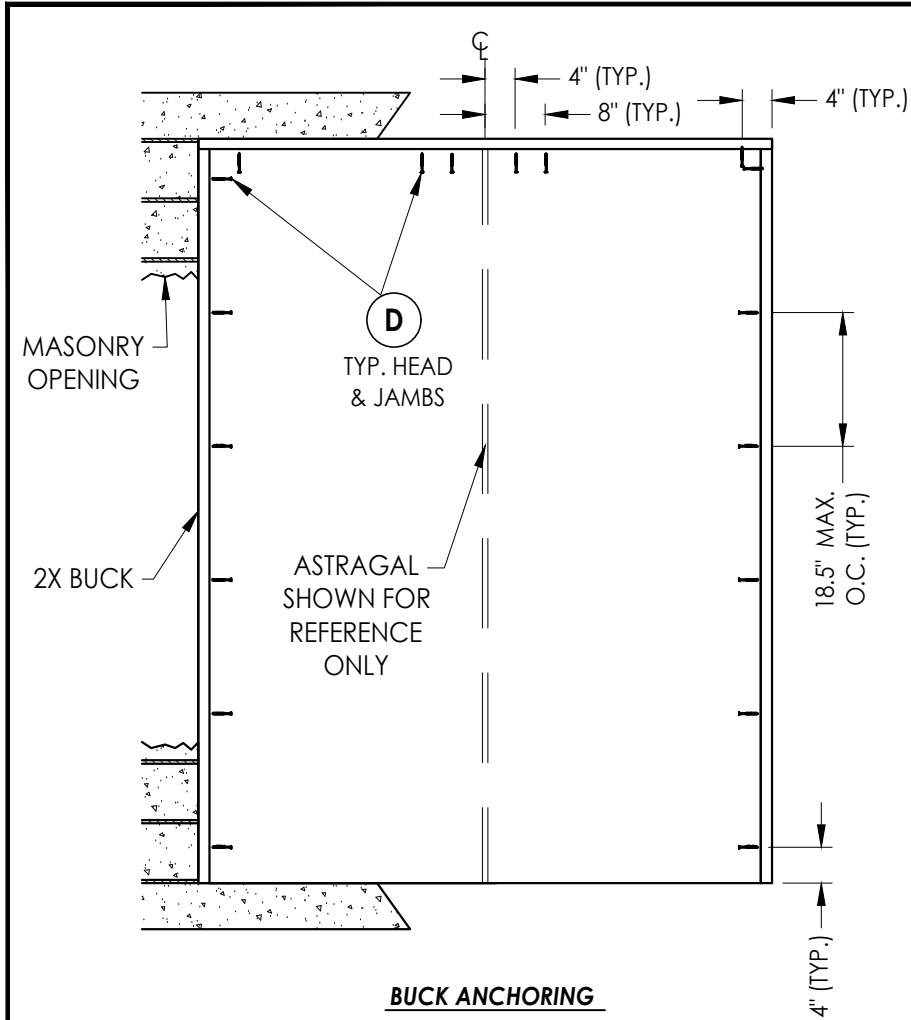
4 VERTICAL CROSS SECTION 4 (Outswing)

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2	8/03/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS				
1	9/26/17	UPDATE TO 6TH ED.	(2017)	FBC	LFS				
NO.	DATE								BY
									REVISIONS
DATE: 12/10/15									
SCALE: N.T.S.									
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-15384.12									
SHEET 4 OF 7									

Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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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.

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P.E. No. 43409

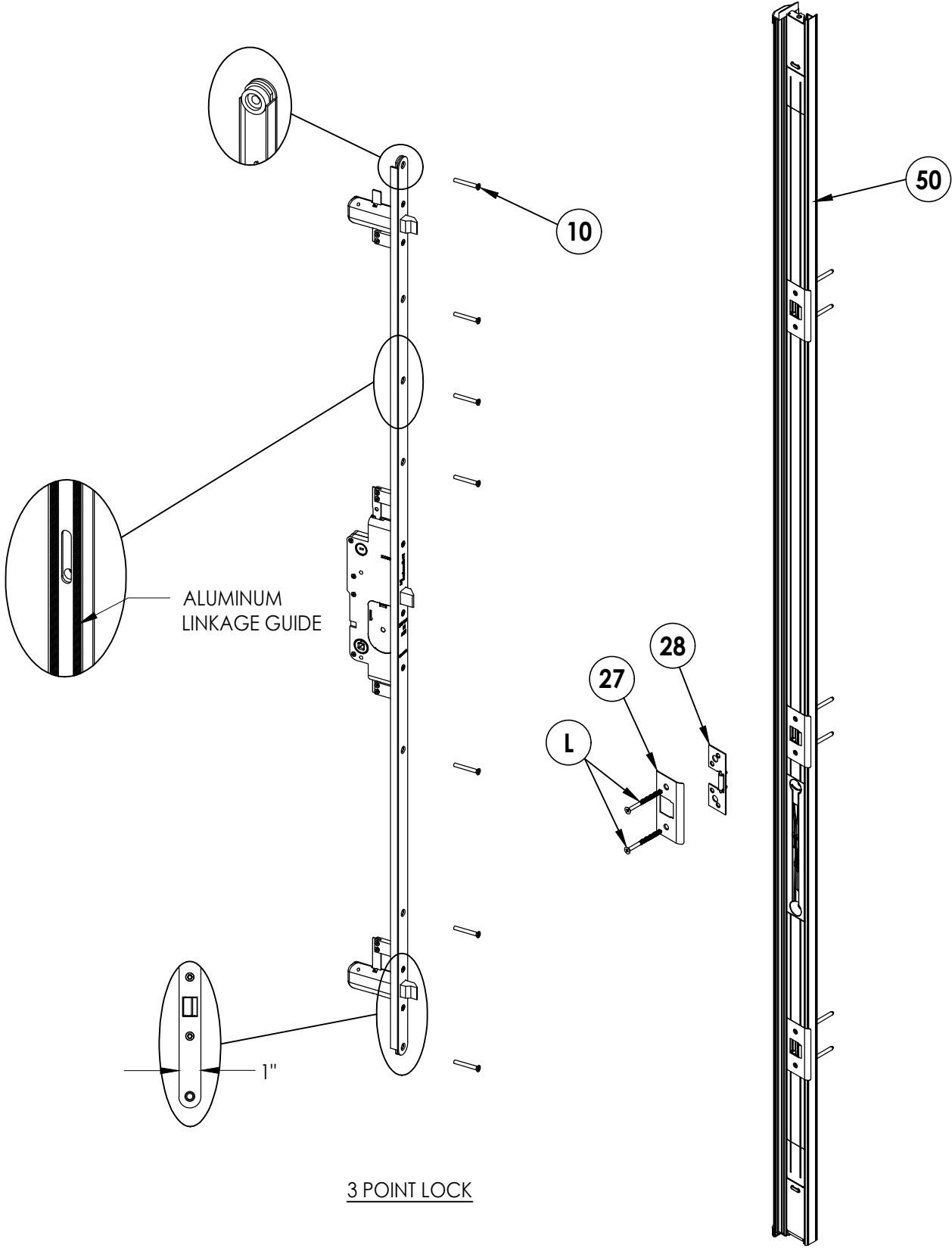
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PRODUCT:
ENDURA

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
3	7/06/23	UPDATE TO 8TH ED. (2023) FBC
2	8/03/20	UPDATE TO 7TH ED. (2020) FBC
1	9/26/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 12/10/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15384.12
SHEET 5 OF 7



DATE:	12/10/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15384.12
SHEET	6 OF 7

REVISIONS			
NO.	DATE		BY
3	7/06/23	UPDATE TO 8TH ED. (2023)	FBC LFS
2	8/03/20	UPDATE TO 7TH ED. (2020)	FBC LFS
1	9/26/17	UPDATE TO 6TH ED. (2017)	FBC LFS

PRODUCT:	ENDURA
PART OR ASSEMBLY:	LOCK SET DETAILS

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

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