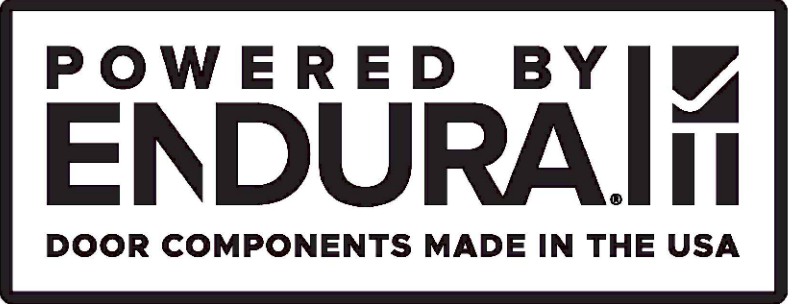


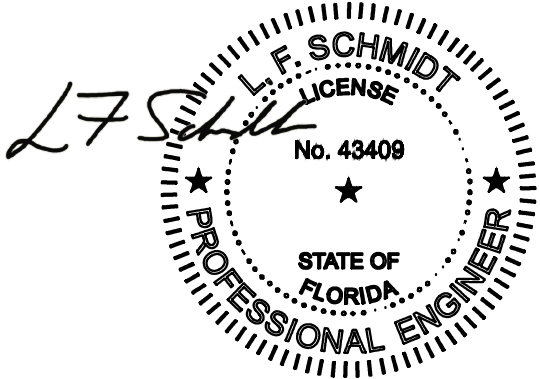


TRILENNIUM®
MULTI-POINT LOCK
w/ Plastpro Opaque Fiberglass Single Door
INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

- 1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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.
- 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.

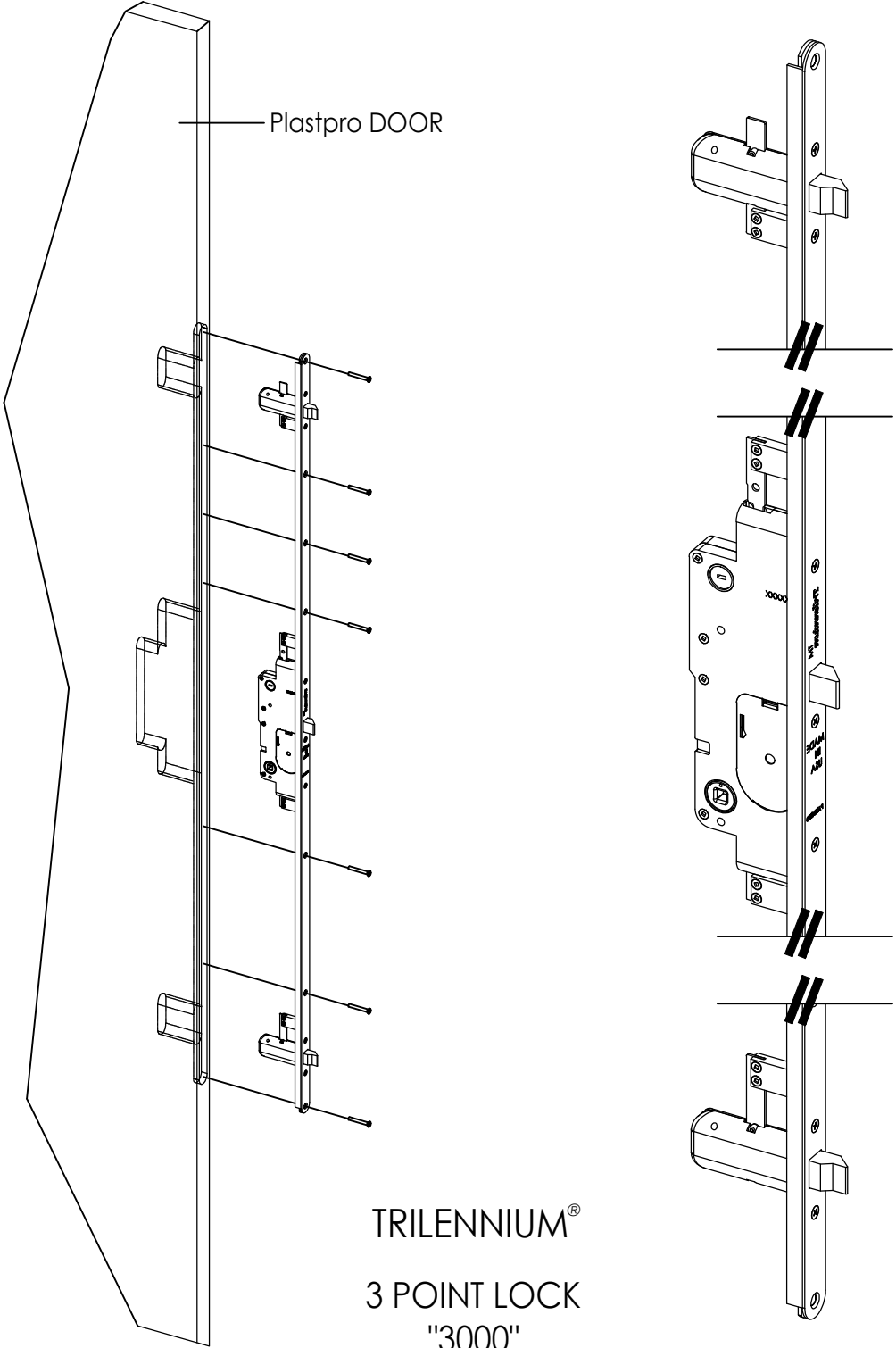
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures, & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring
6	Lock set details
7	Bill of materials and components



Digitally signed by Lyndon F Schmidt
Date: 2026.07.19 09:26:33 -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"	+65.0	-75.0
INSWING	37.50" x 98.00"	+65.0	-65.0

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

ENDURA

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

5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
1	12/07/15	REVISED COMPONENTS		LFS
NO.	DATE	REVISIONS		

DATE: 8/27/15

SCALE: N.T.S.

DWG. BY: JK

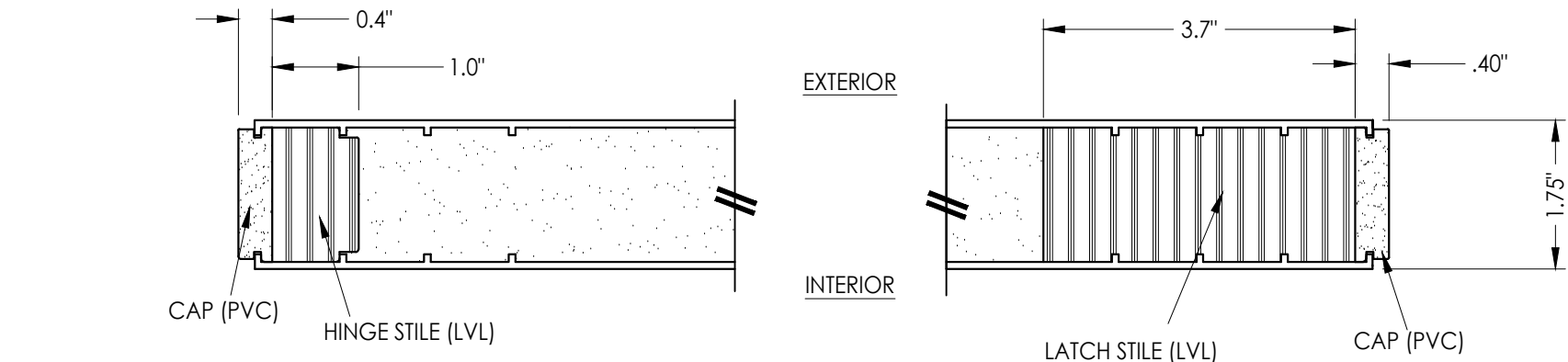
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DRAWING NO.: FL-15384.9

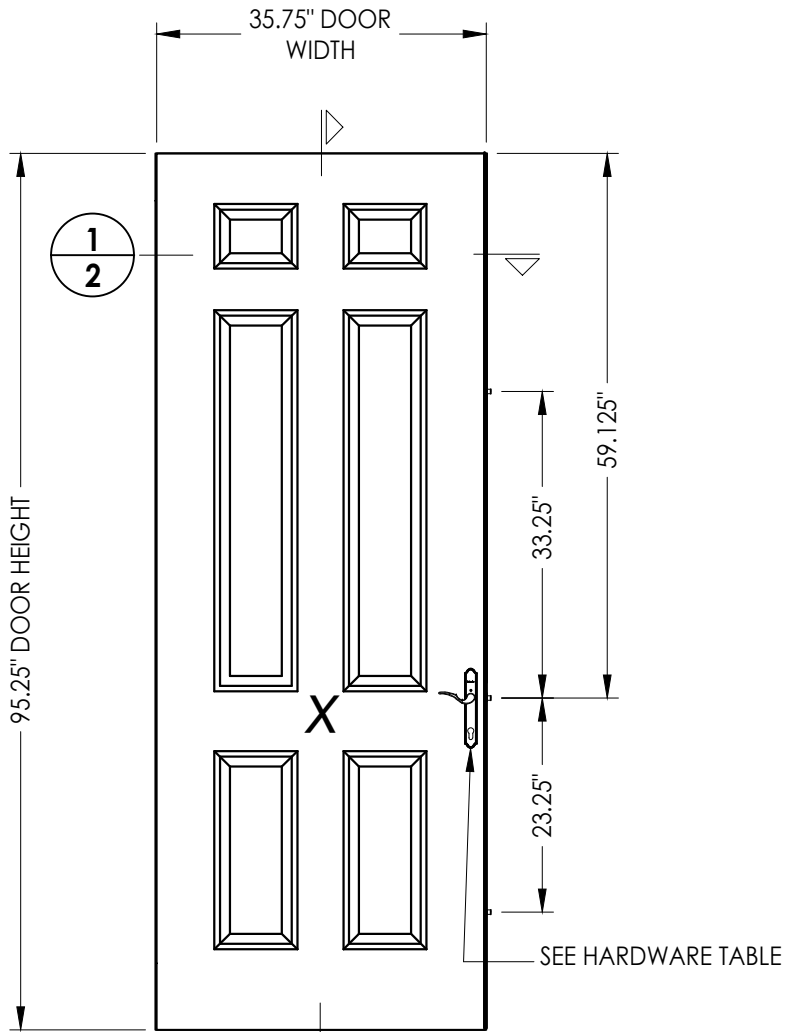
SHEET 1 OF 7

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FBPE Registry No. 9813

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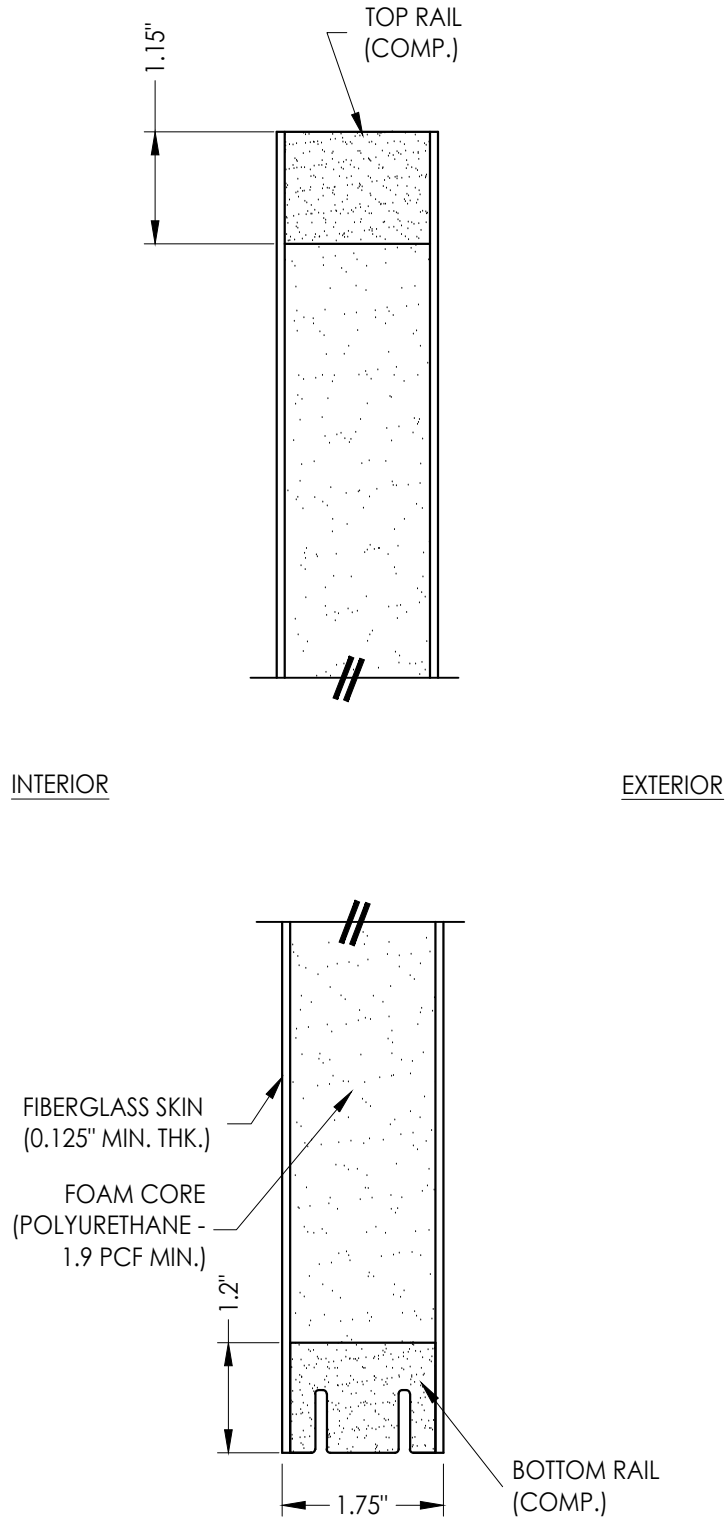


1
2 HORIZONTAL CROSS SECTION



2
2 DOOR PANEL
Plastpro Fiberglass

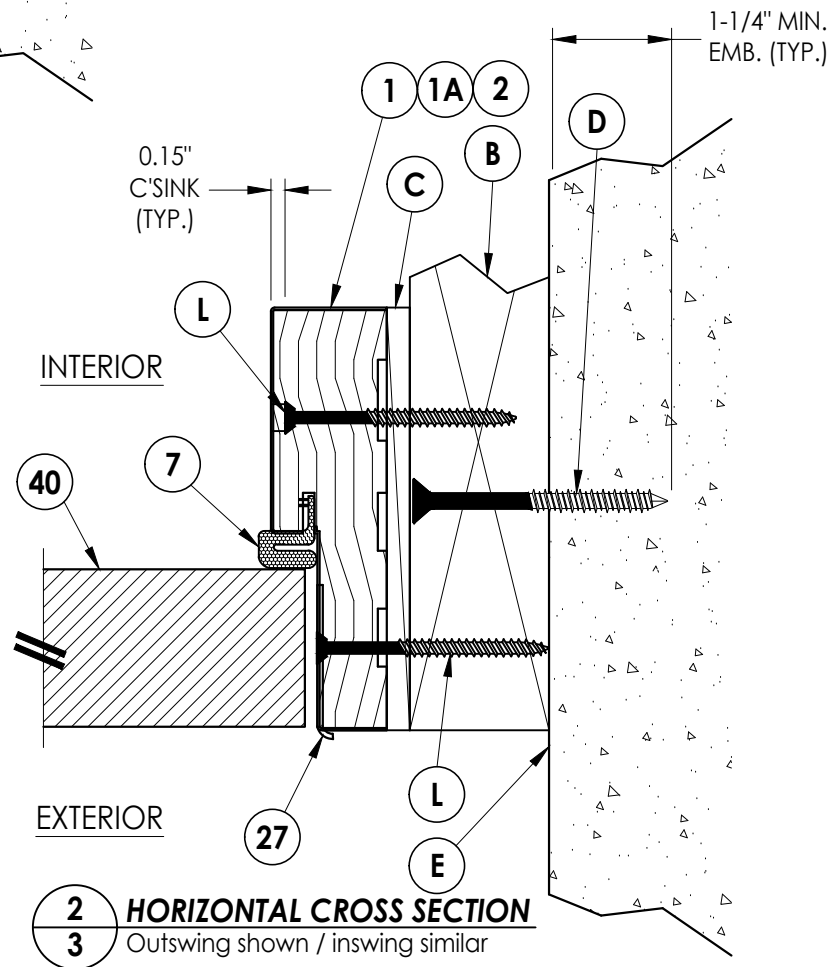
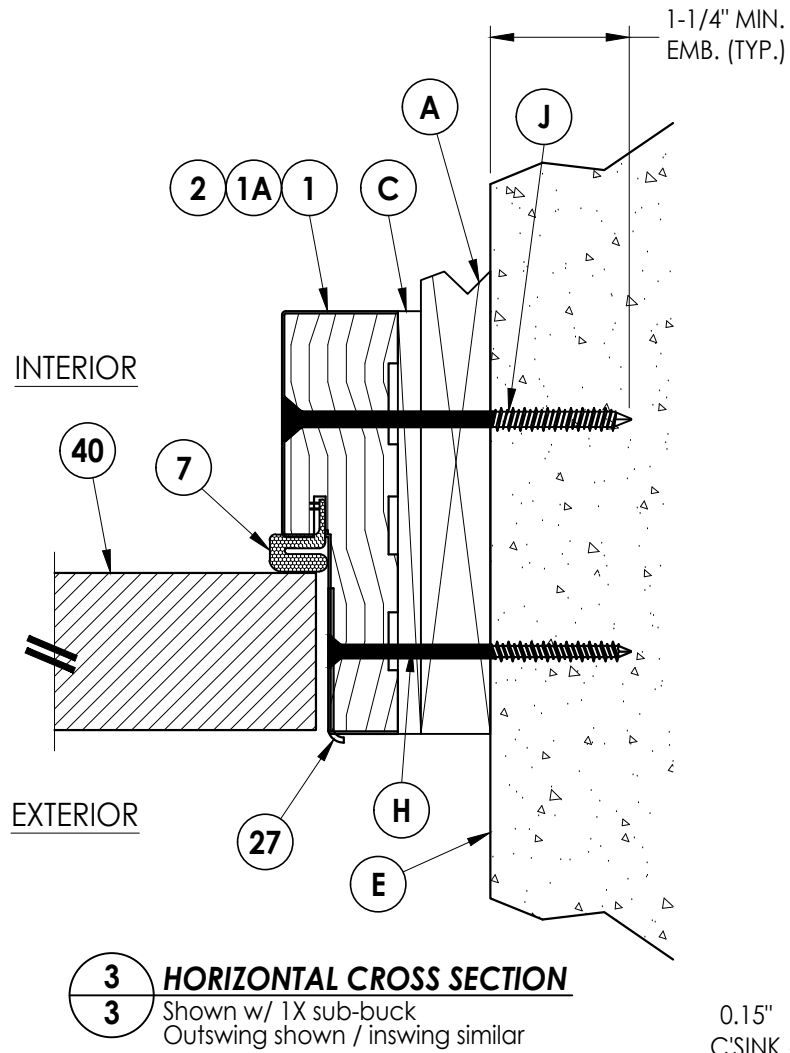
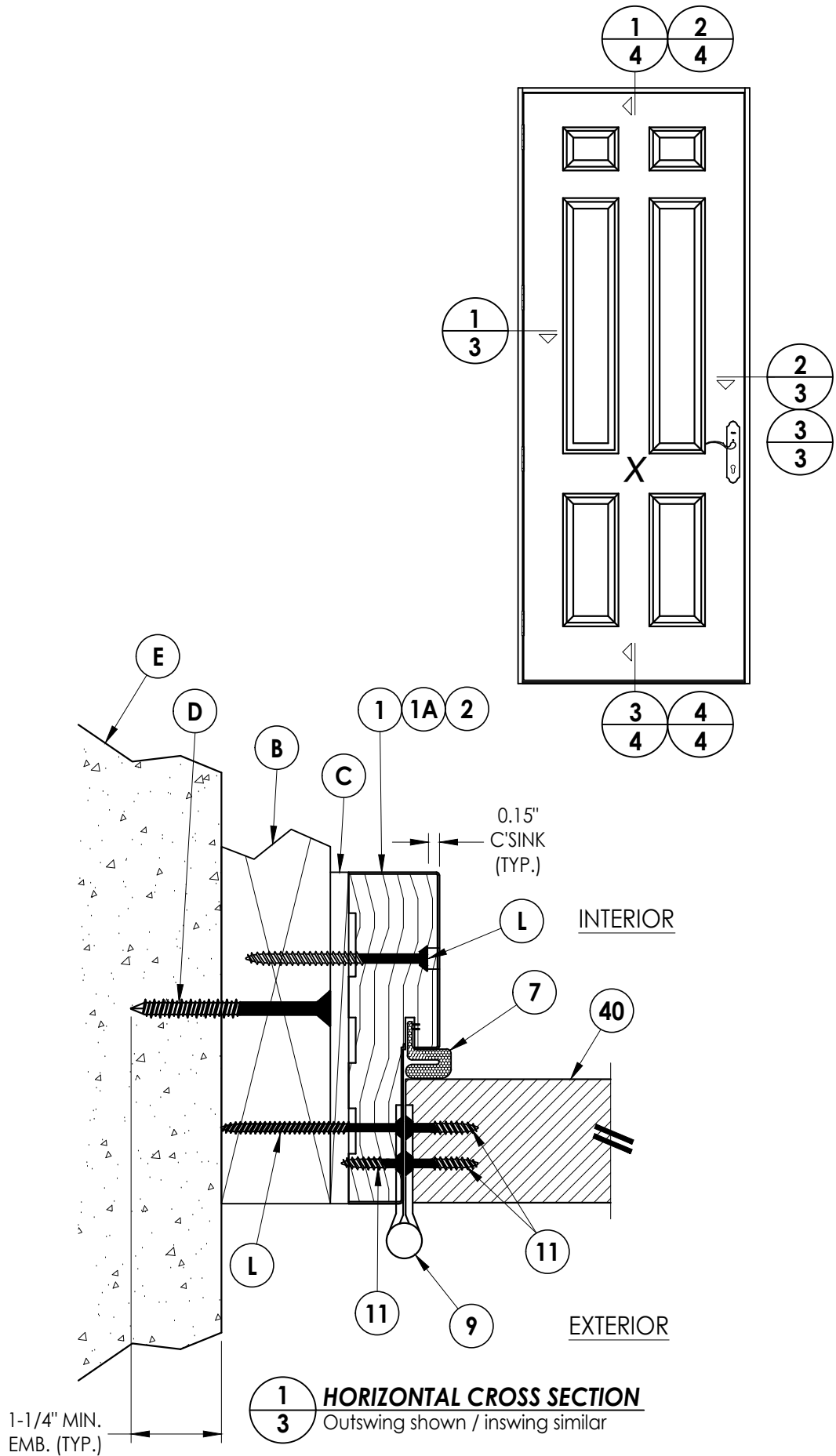
Hardware Table	
Manufacturer	Model
Endura	Trilennium® 3000 Series Multi-point lock (3pt.)



2
2 VERTICAL CROSS SECTION

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PRODUCT: ENDURA				PART OR ASSEMBLY: DOOR PANEL DETAILS			
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC				LFS
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC				LFS
3	8/03/20	UPDATE TO 7TH ED. (2020)	FBC				LFS
2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC				LFS
1	12/07/15	REVISED COMPONENTS					LFS
NO.	DATE						
REVISIONS							
DATE: 8/27/15							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15384.9							
SHEET 2 OF 7							

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
ENDURA

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	12/07/15	REVISED COMPONENTS LFS

DATE: 8/27/15

SCALE: N.T.S.

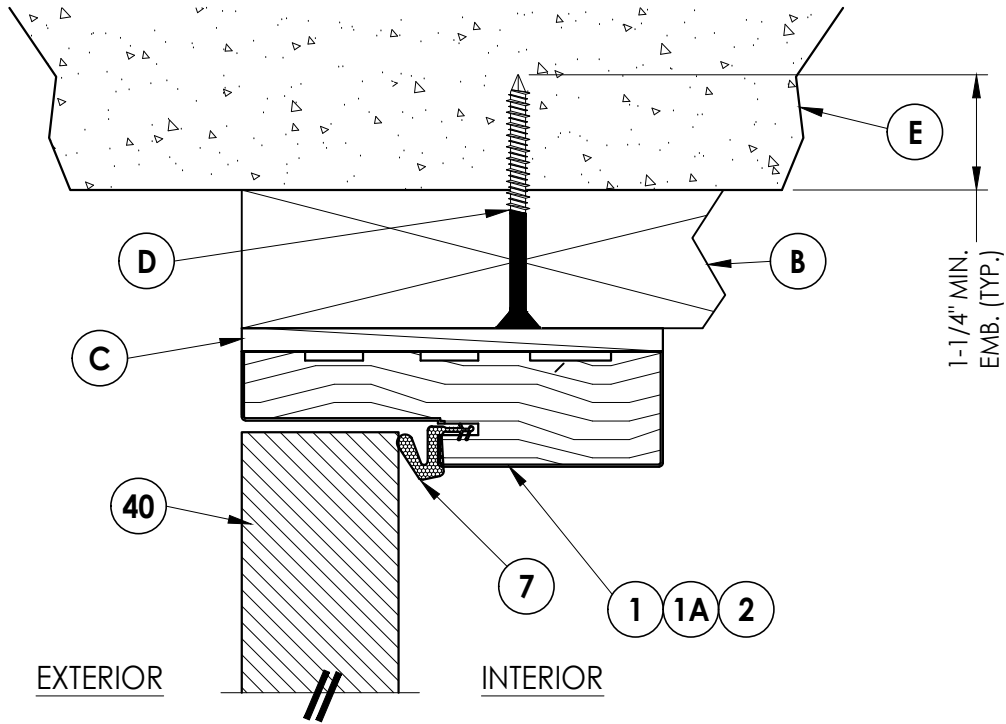
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CHK. BY: LFS

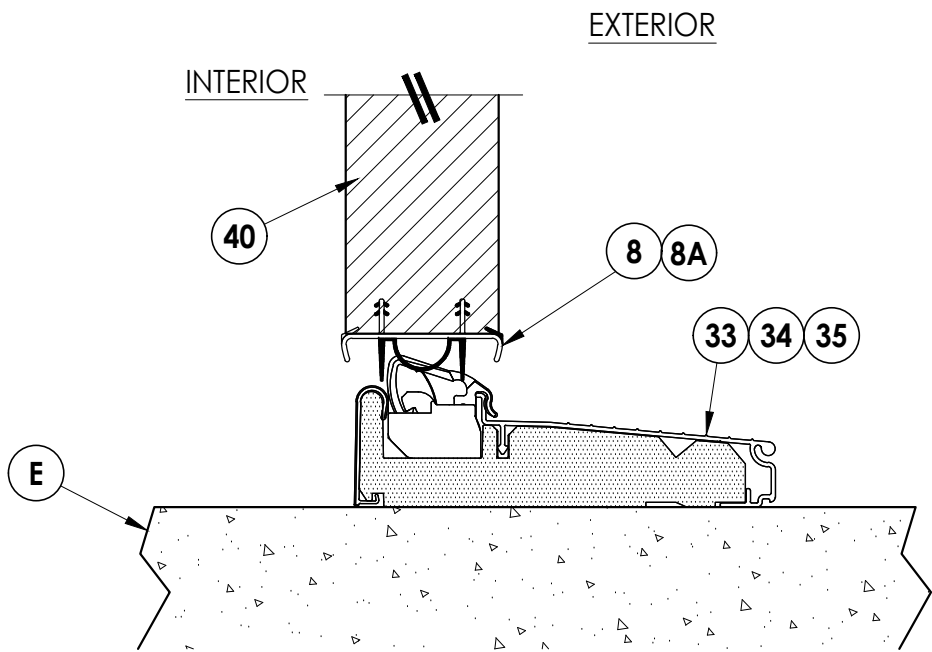
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SHEET 3 OF 7

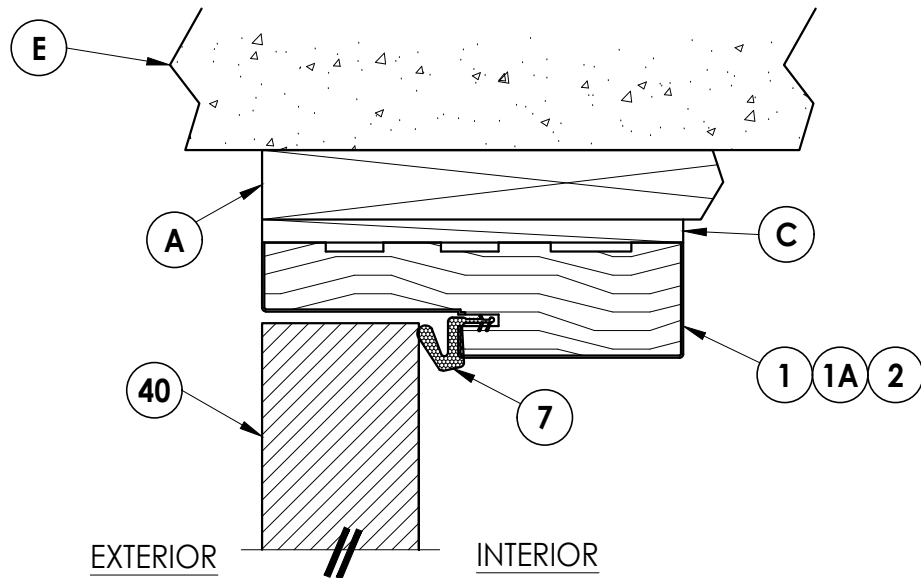
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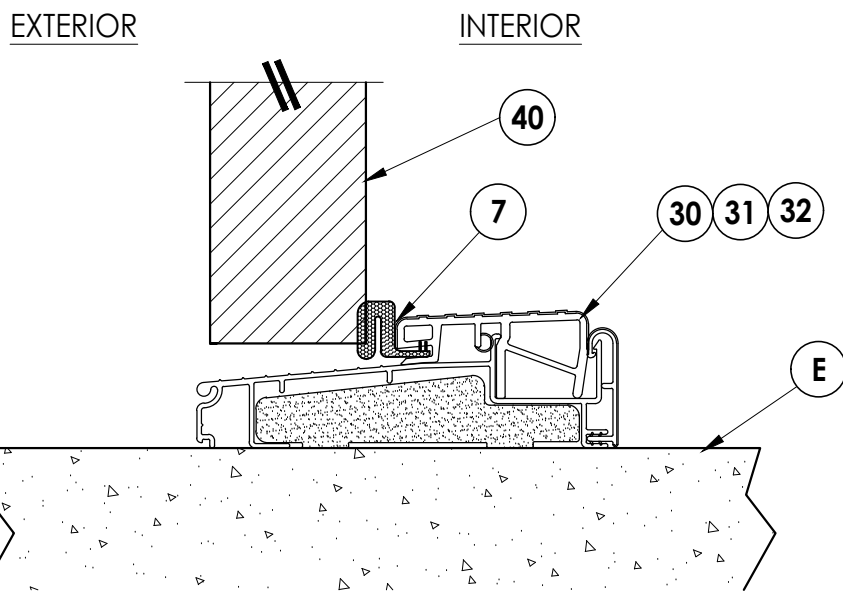
1
4 **VERTICAL CROSS SECTION**
Outswing shown / inswing similar



3
4 **VERTICAL CROSS SECTION**
(Inswing)



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



4
4 **VERTICAL CROSS SECTION**
(Outswing)

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

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FBPE Registry No. 9813

PRODUCT:
ENDURA

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISED COMPONENTS				REVISIONS			
		NO.	DATE	BY		NO.	DATE	BY	
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS					
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS					
3	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS					
2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS					
1	12/07/15	REVISED COMPONENTS							

DATE: 8/27/15

SCALE: N.T.S.

DWG. BY: JK

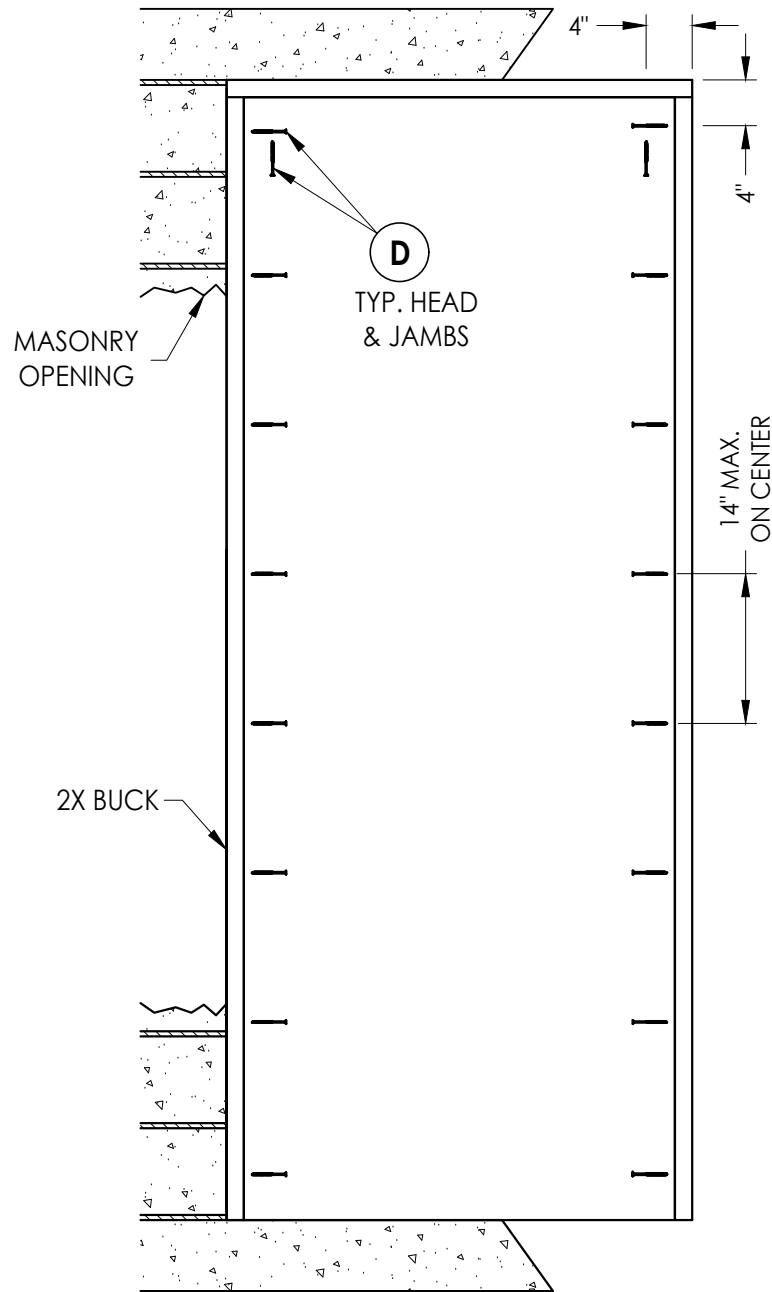
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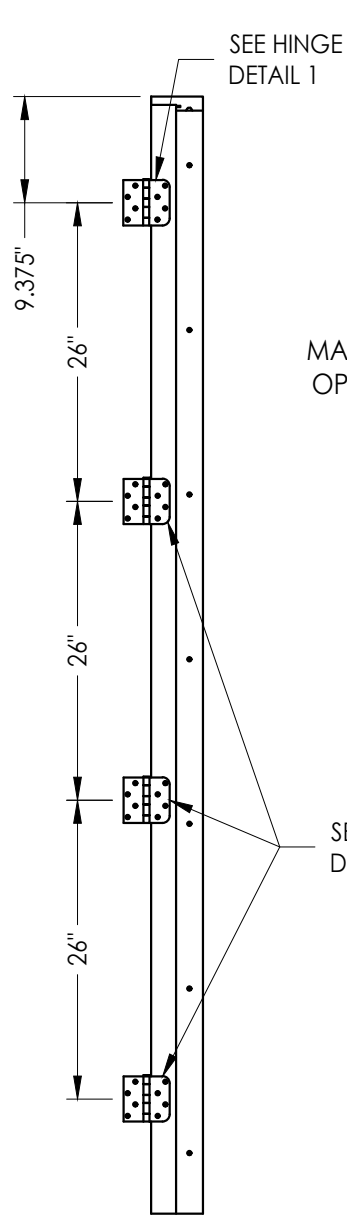
FL-15384.9

SHEET 4 OF 7

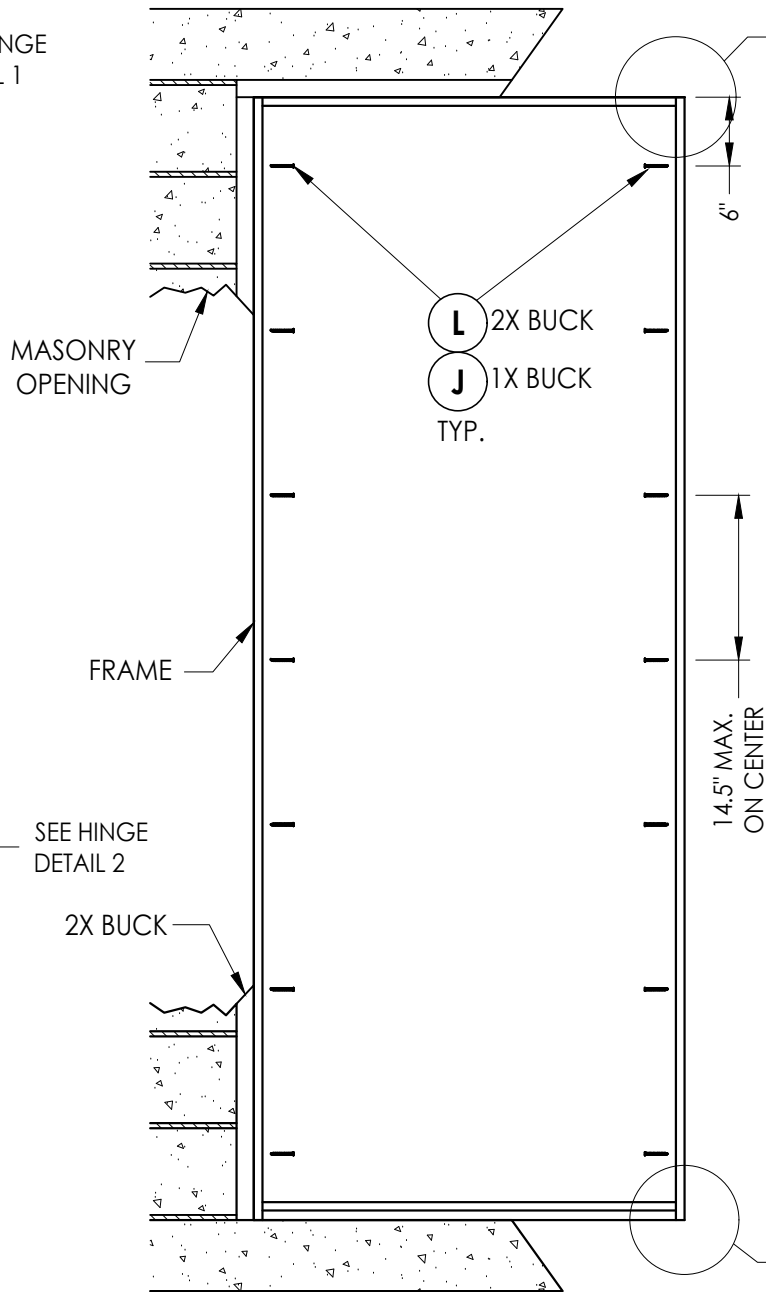
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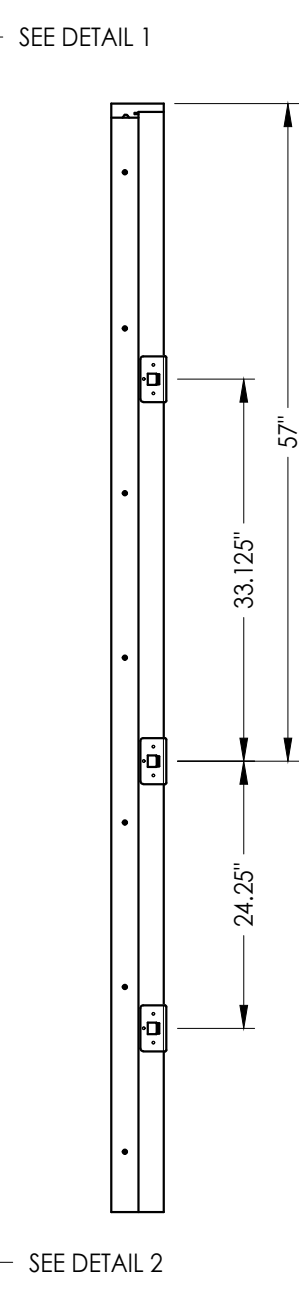
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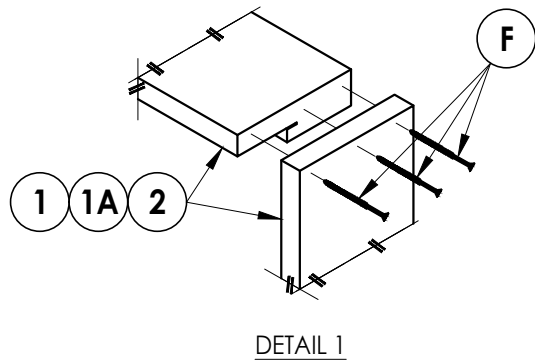
HINGE JAMB



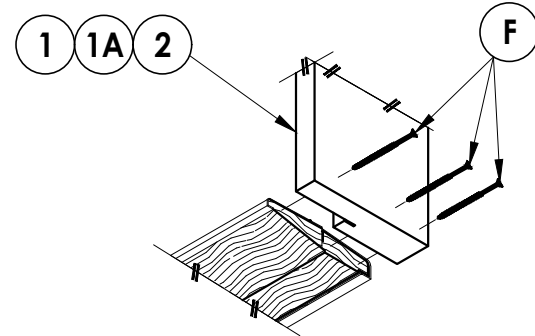
FRAME ANCHORING



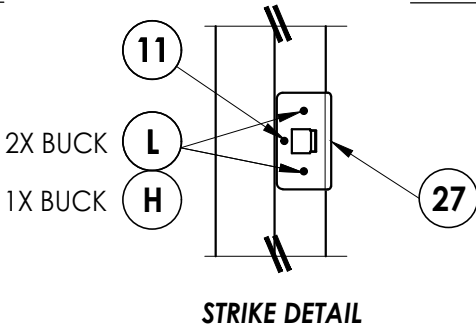
STRIKE JAMB



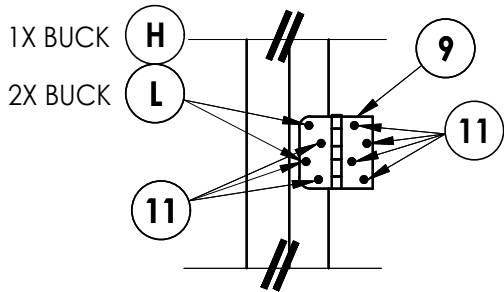
DETAIL 1



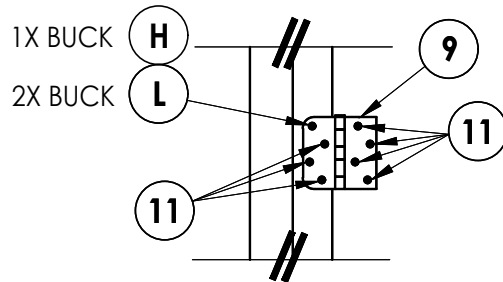
DETAIL 2



STRIKE DETAIL



HINGE DETAIL 1



HINGE DETAIL 2

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.

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT:
ENDURA

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING

NO.	DATE	REVISED COMPONENTS	LFS	BY
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS	
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC	LFS	
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC	LFS	
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC	LFS	
1	12/07/15	REVISED COMPONENTS	LFS	

DATE: 8/27/15

SCALE: N.T.S.

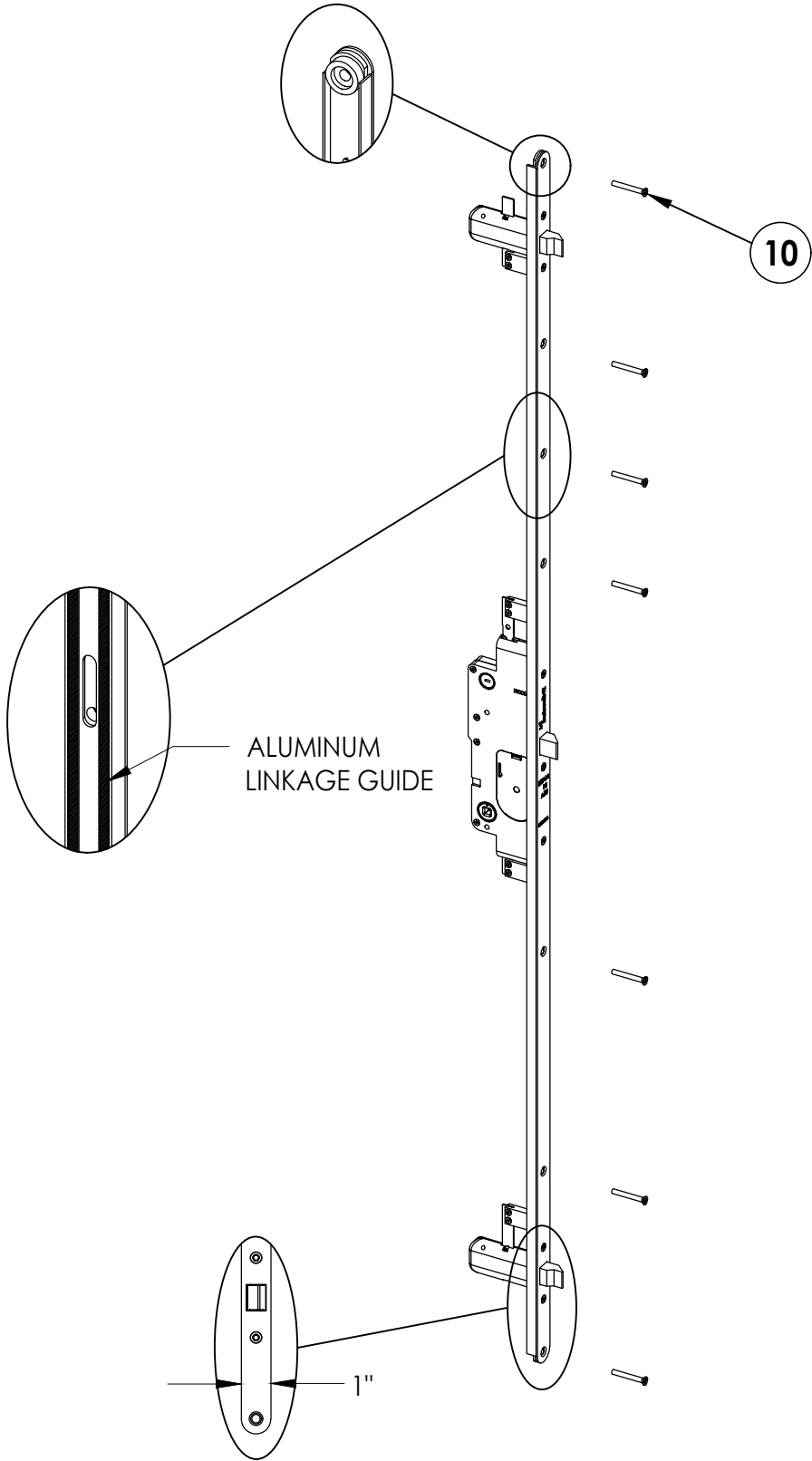
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CHK. BY: LFS

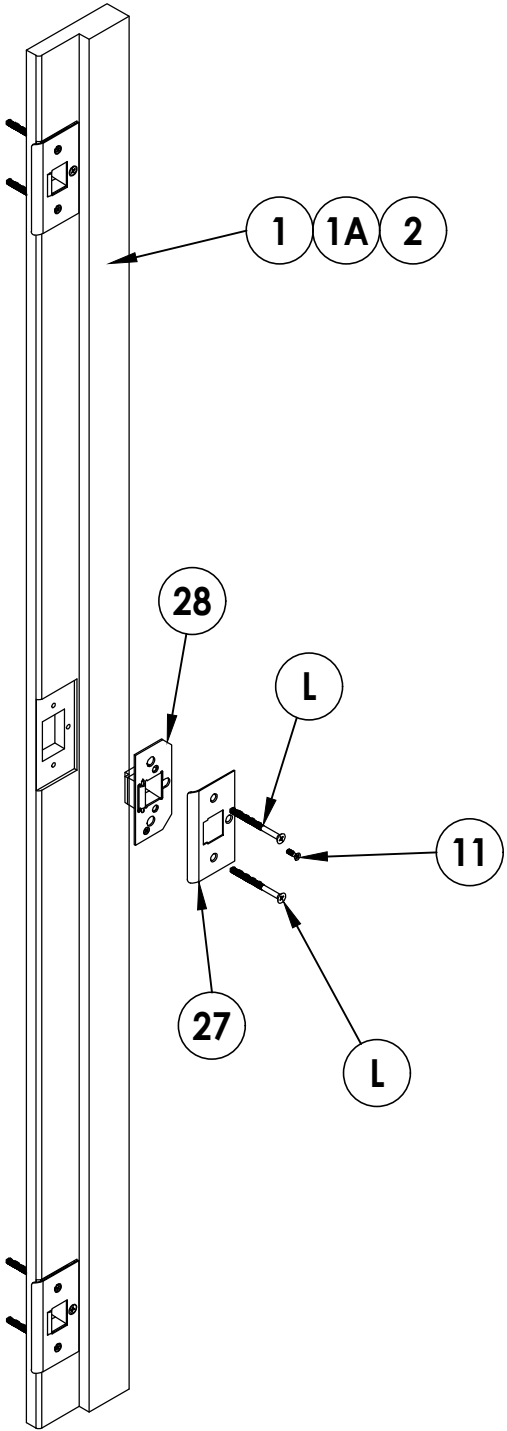
DRAWING NO.: FL-15384.9

SHEET 5 OF 7

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3 POINT LOCK



DATE:	8/27/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15384.9
SHEET	6 OF 7

	5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
	4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
	3	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
	2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
	1	12/07/15	REVISED COMPONENTS		LFS
NO.	DATE				BY
REVISIONS					

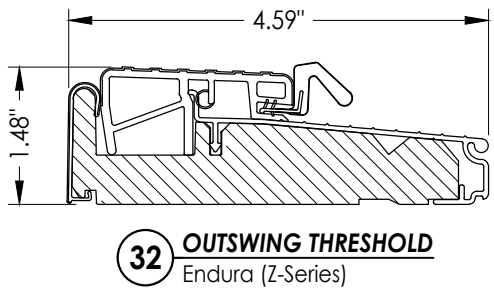
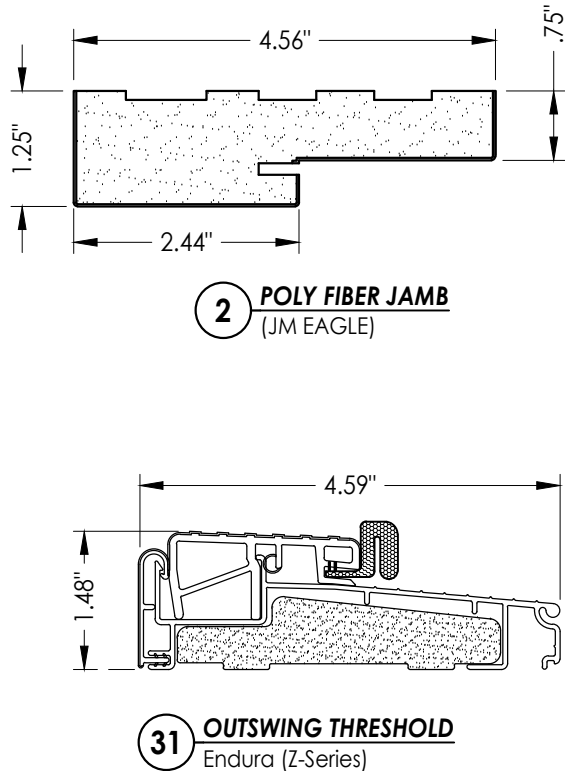
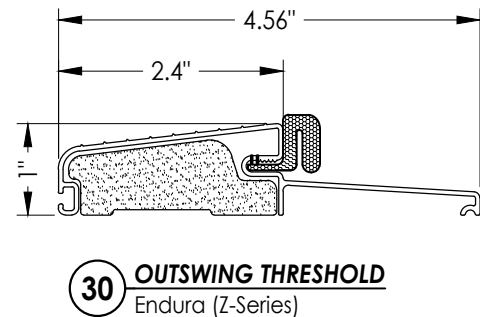
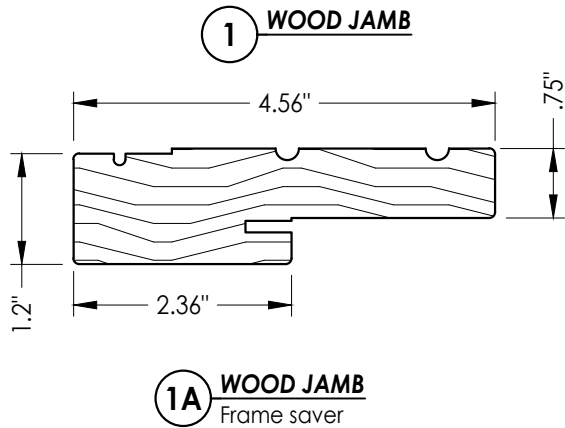
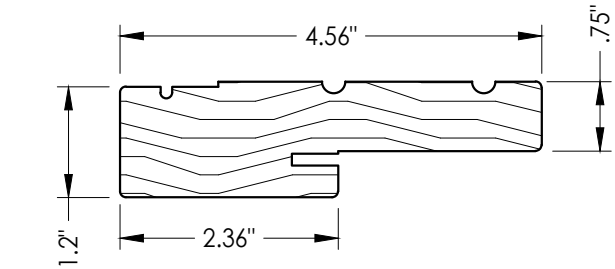
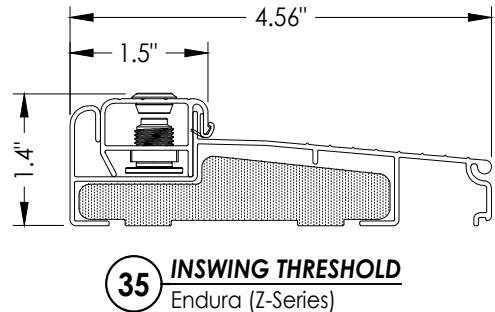
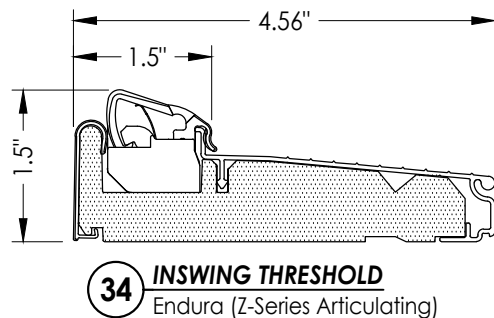
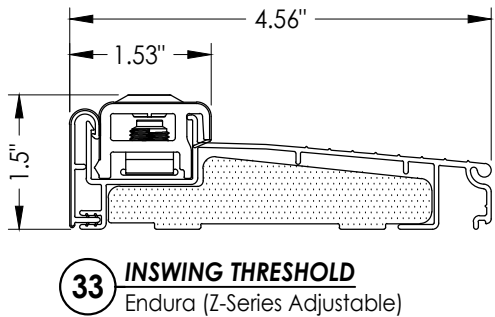
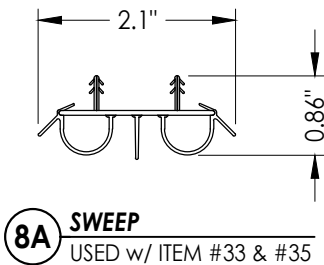
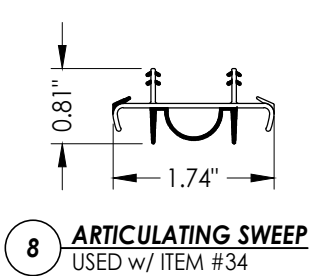
PRODUCT:	ENDURA
PART OR ASSEMBLY:	LOCK SET DETAILS

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

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

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 X 2-1/2" PFH WOOD SCREW	STEEL
H	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
1	FINGER JOINTED PINE JAMB	WOOD
1A	FINGER JOINTED PINE JAMB (FRAME SAVER)	WOOD/COMP
2	POLY FIBER JAMB (JM EAGLE)	COMP.
7	WEATHERSTRIP	FOAM
8	ARTICULATING SWEEP	PVC
8A	SWEEP	PVC
9	4" X 4" BUTT HINGE	STEEL
10	#10 X 1-1/2" PPH WOOD SCREW	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	BACKING PLATE	STEEL
30	OUTSWING THRESHOLD	ALUM/COMP
31	OUTSWING THRESHOLD	ALUM/COMP
32	OUTSWING THRESHOLD	ALUM/COMP
33	INSWING THRESHOLD	ALUM/COMP
34	INSWING THRESHOLD	ALUM/COMP
35	INSWING THRESHOLD	ALUM/COMP
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-



Documents Prepared By:
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P.E. No. 43409

ENDURA

PRODUCT:

ENDURA

PART OR ASSEMBLY:

BILL OF MATERIALS
AND COMPONENTS

REVISIONS

NO.	DATE	DESCRIPTION	BY
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC	LFS
1	12/07/15	REVISED COMPONENTS	LFS

DATE: 8/27/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15384.9
SHEET 7 OF 7

RW BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813