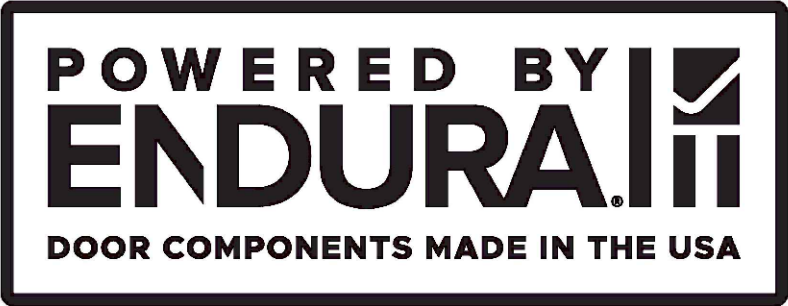
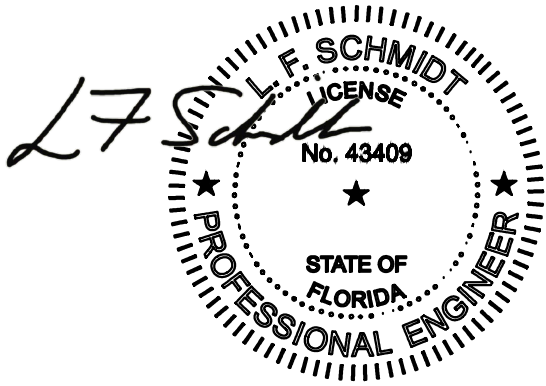


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TRILENNIUM®
MULTI-POINT LOCK
w/ TruStile®
DOUBLE DOOR
OUTSWING
"NON-IMPACT"



Digitally signed by Lyndon F Schmidt
Date: 2026.07.19 08:58:20 -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

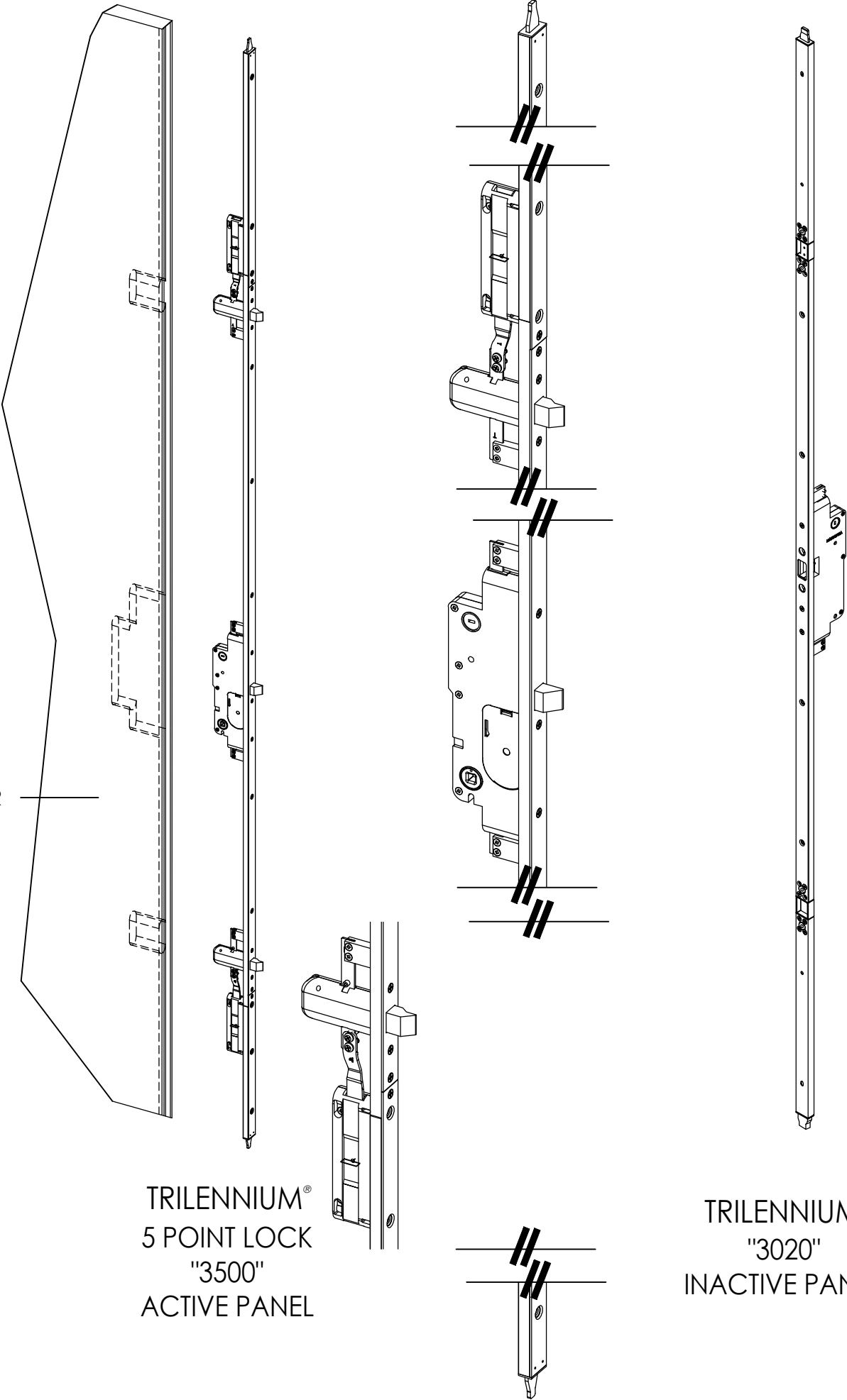
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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. 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, & general notes
2	Panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck & frame anchoring
6	Lock set details
7	Bill of materials & components

CONFIG.	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
DOUBLE	74.75" x 98.0"	24.37" x 81.50"	G1	+47.0	-47.0

TruStile® DOOR



TRILENNIUM®
5 POINT LOCK
"3500"
ACTIVE PANEL

TRILENNIUM®
"3020"
INACTIVE PANEL

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:

ENDURA
MULTI-POINT LOCK SET

PART OR ASSEMBLY:

TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS				
		5	4	3	2	1
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	3/28/15	UPDATE TO 5TH ED. (2014)	FBC	JK		
				BY		

DATE: 3/29/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

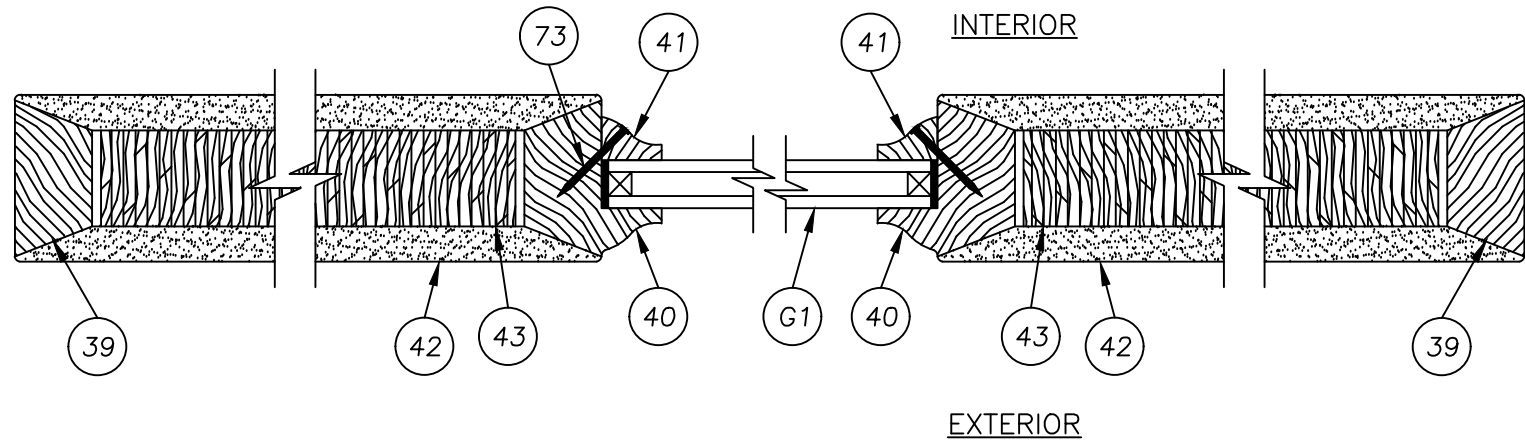
DRAWING NO.:

FL-15384.3

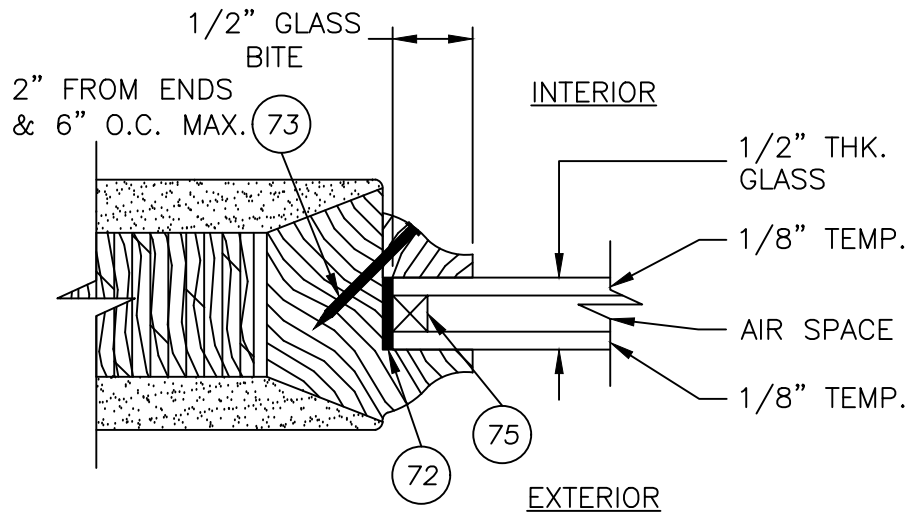
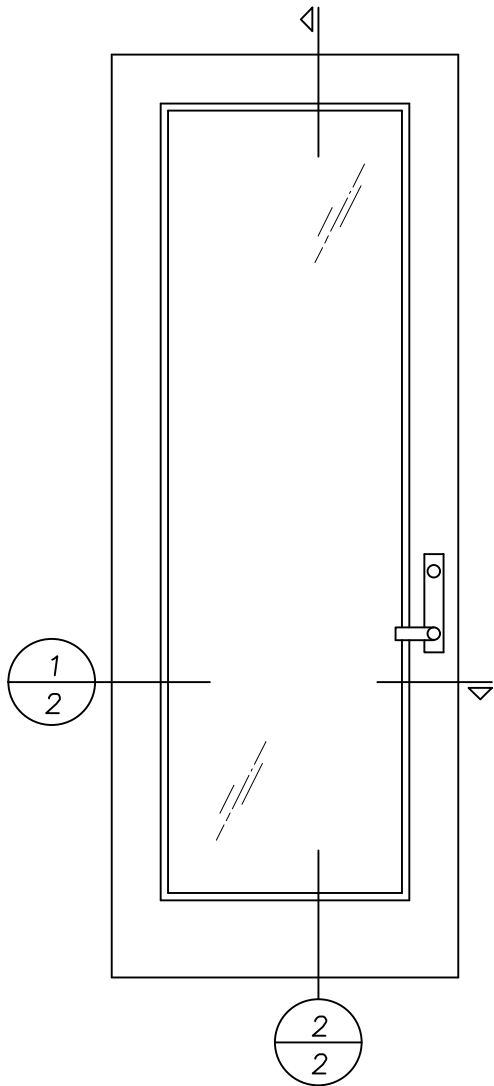
SHEET 1 OF 7

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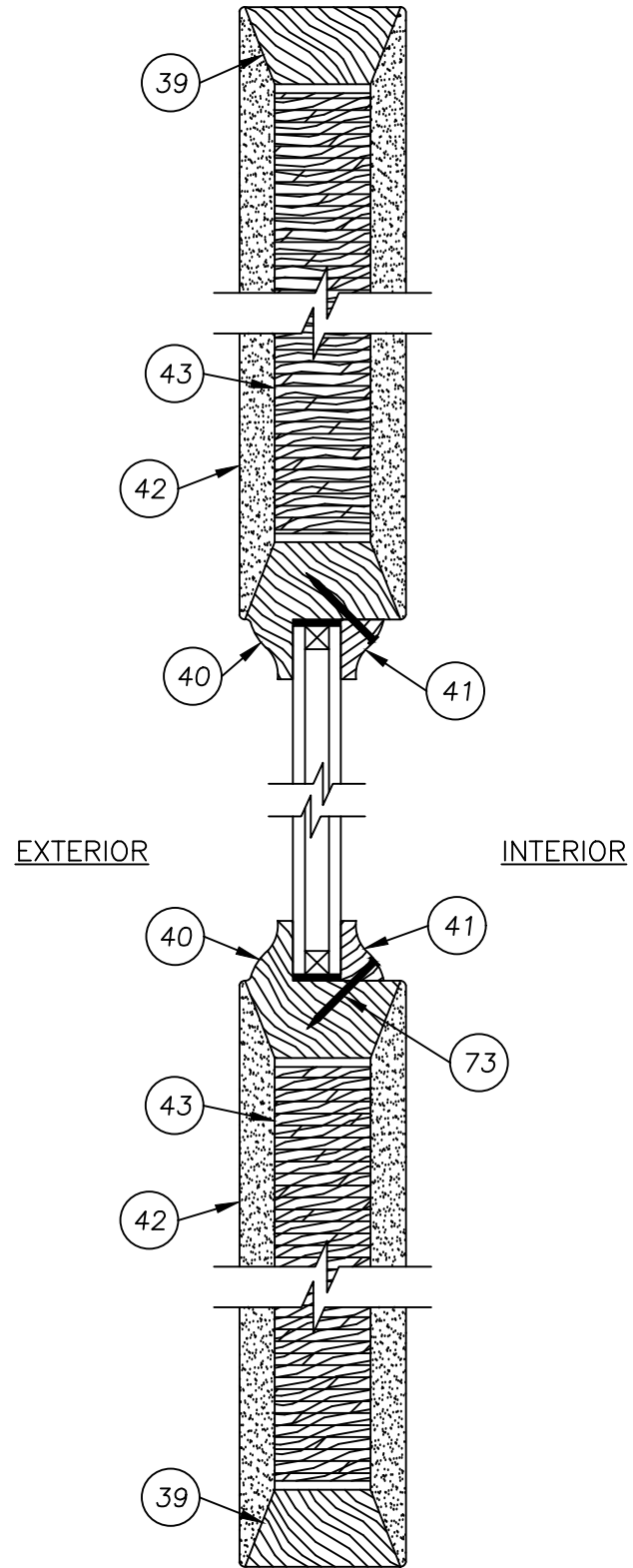
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1 HORIZONTAL CROSS SECTION
2 DOOR PANEL



G1 GLAZING DETAILS
1/2" INSULATED GLASS



2 VERTICAL CROSS SECTION
2 DOOR PANEL

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PRODUCT:
ENDURA
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3	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
1	3/28/15	UPDATE TO 5TH ED. (2014)	FBC	JK

NO. DATE

REVISIONS

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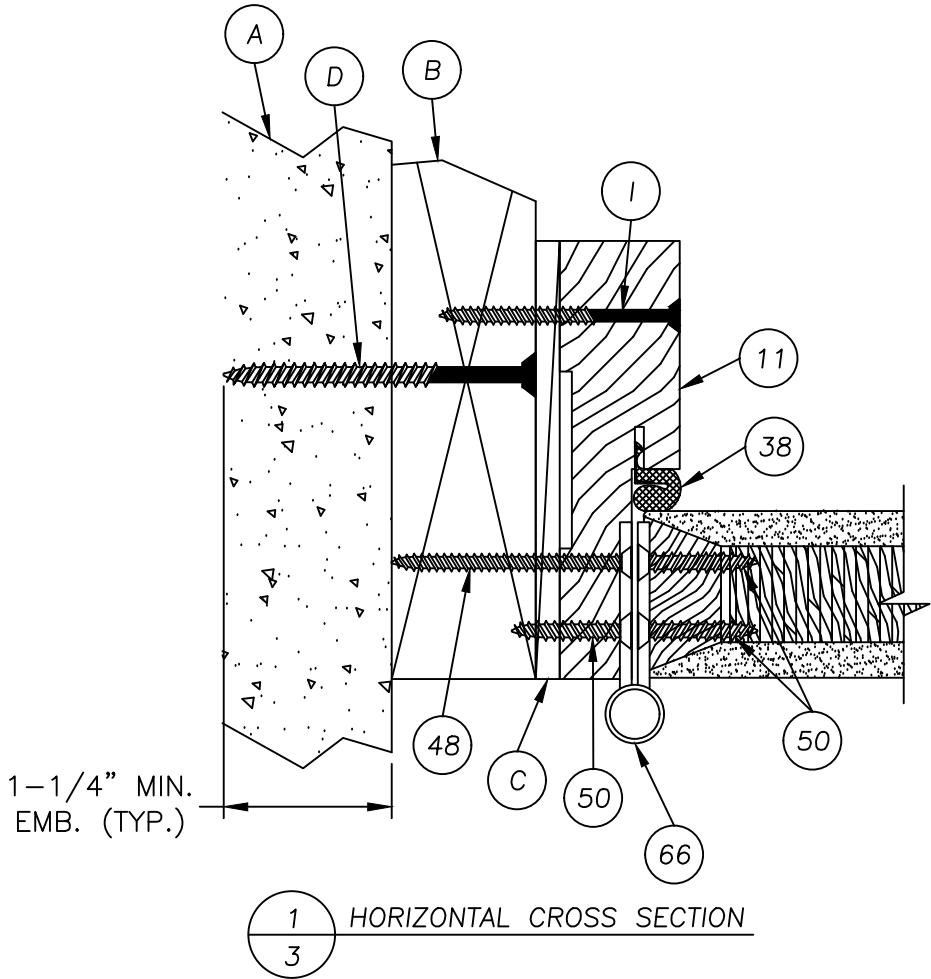
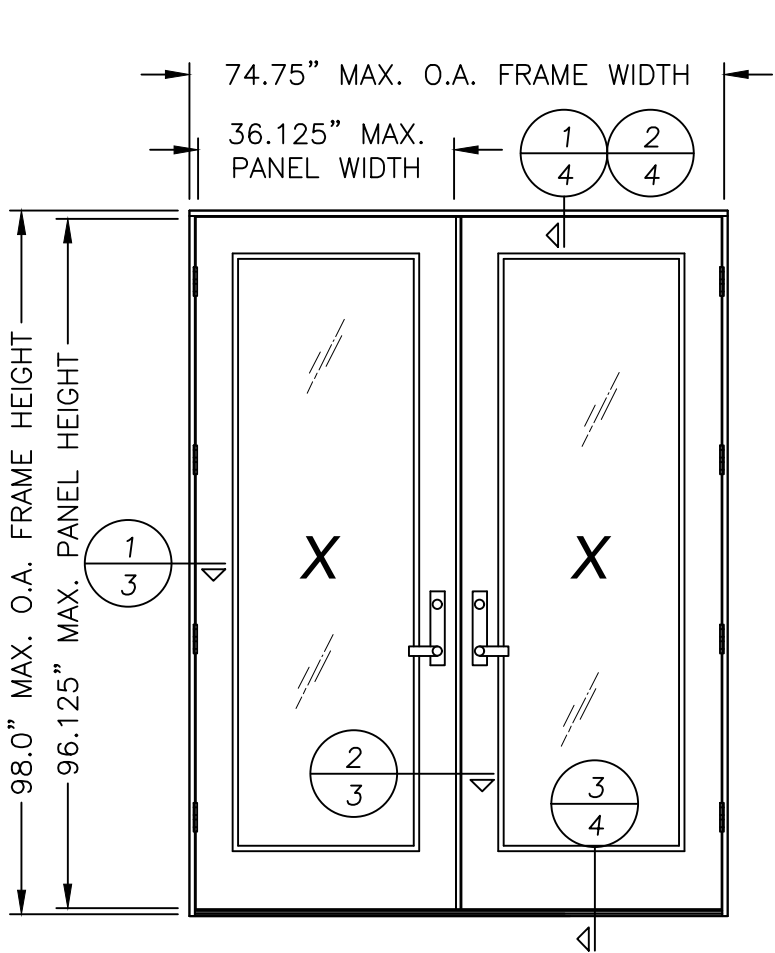
DRAWING NO.: FL-15384.3

SHEET 2 OF 7

PART OR ASSEMBLY:
PANEL DETAILS

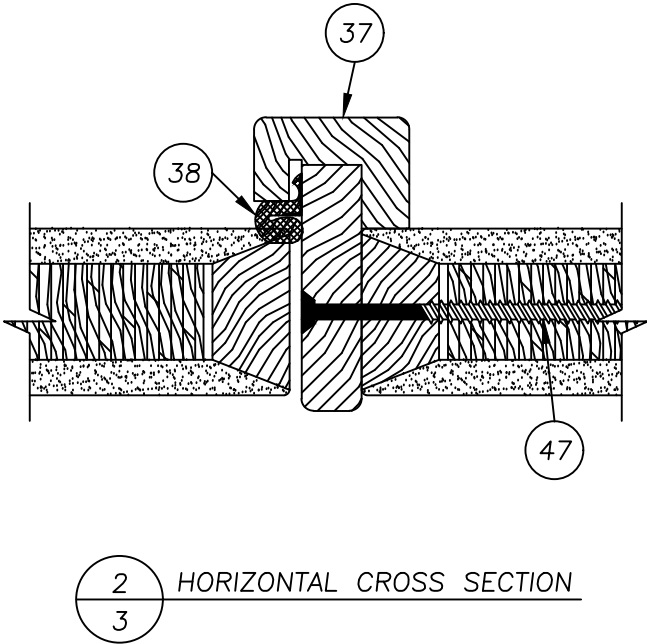
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INTERIOR

EXTERIOR



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	3/28/15	UPDATE TO 5TH ED. (2014) FBC JK
		BY

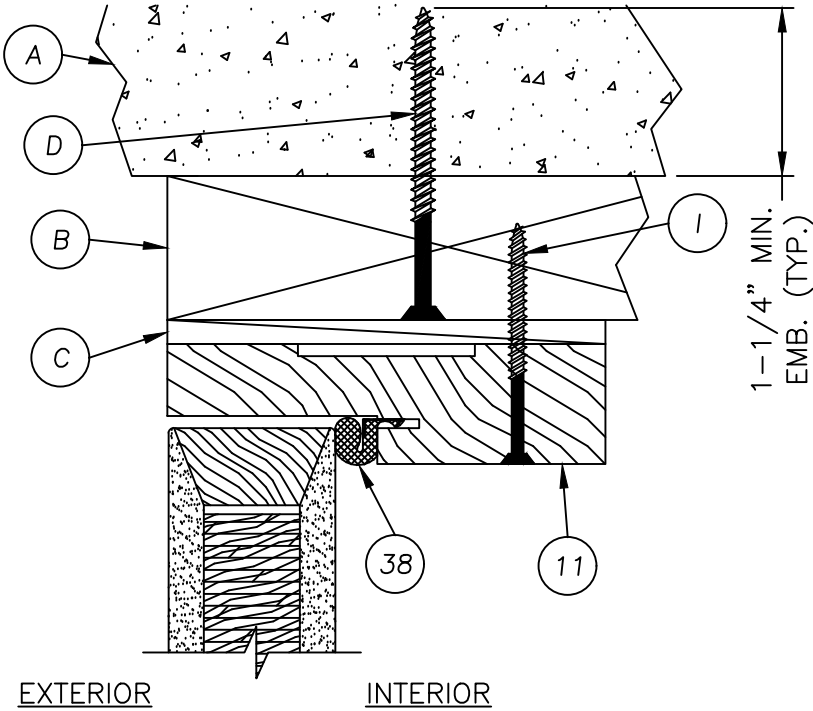
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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15384.3
SHEET	3 OF 7

PRODUCT:	ENDURA MULTI-POINT LOCK SET
PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS

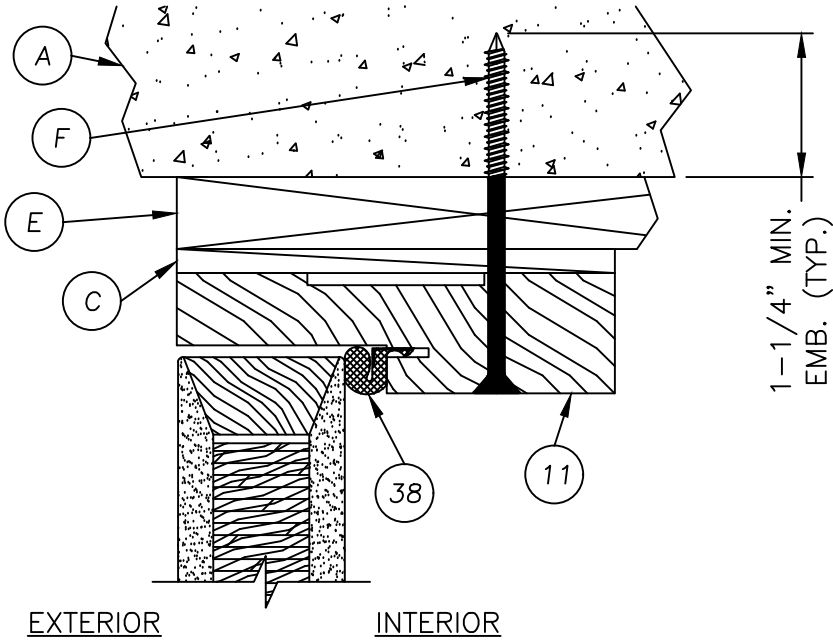
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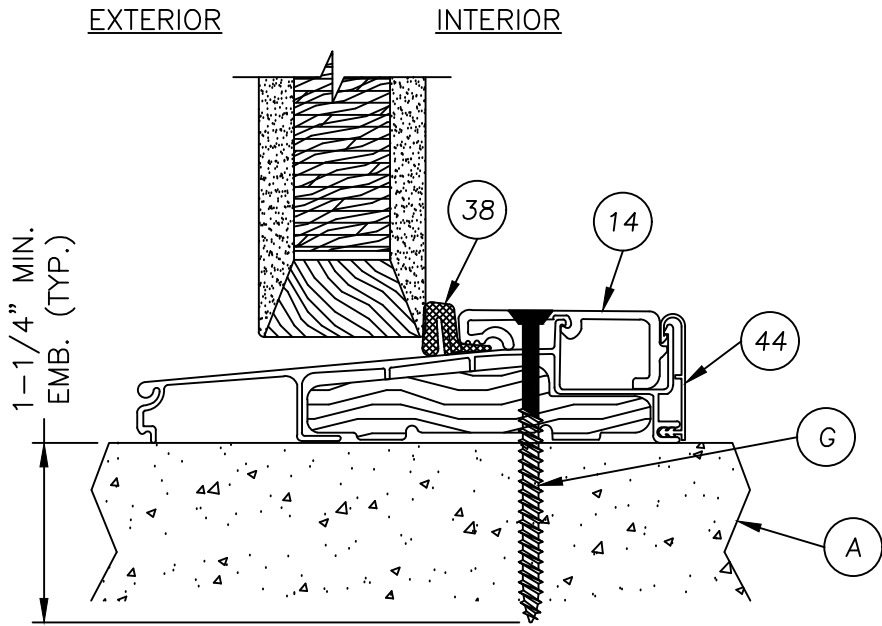
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1 VERTICAL CROSS SECTION
4



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



3 VERTICAL CROSS SECTION
4

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P.E. No. 43409

PRODUCT:
ENDURA
MULTI-POINT LOCK SET

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

57/01/26UPDATE TO 9TH ED. (2026) FBC LFS

47/06/23UPDATE TO 8TH ED. (2023) FBC LFS

38/03/20UPDATE TO 7TH ED. (2020) FBC LFS

29/26/17UPDATE TO 6TH ED. (2017) FBC LFS

13/28/15UPDATE TO 5TH ED. (2014) FBC JK

NO. DATEBY

REVISIONS

DATE: 3/29/12

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DRAWING NO.: FL-15384.3

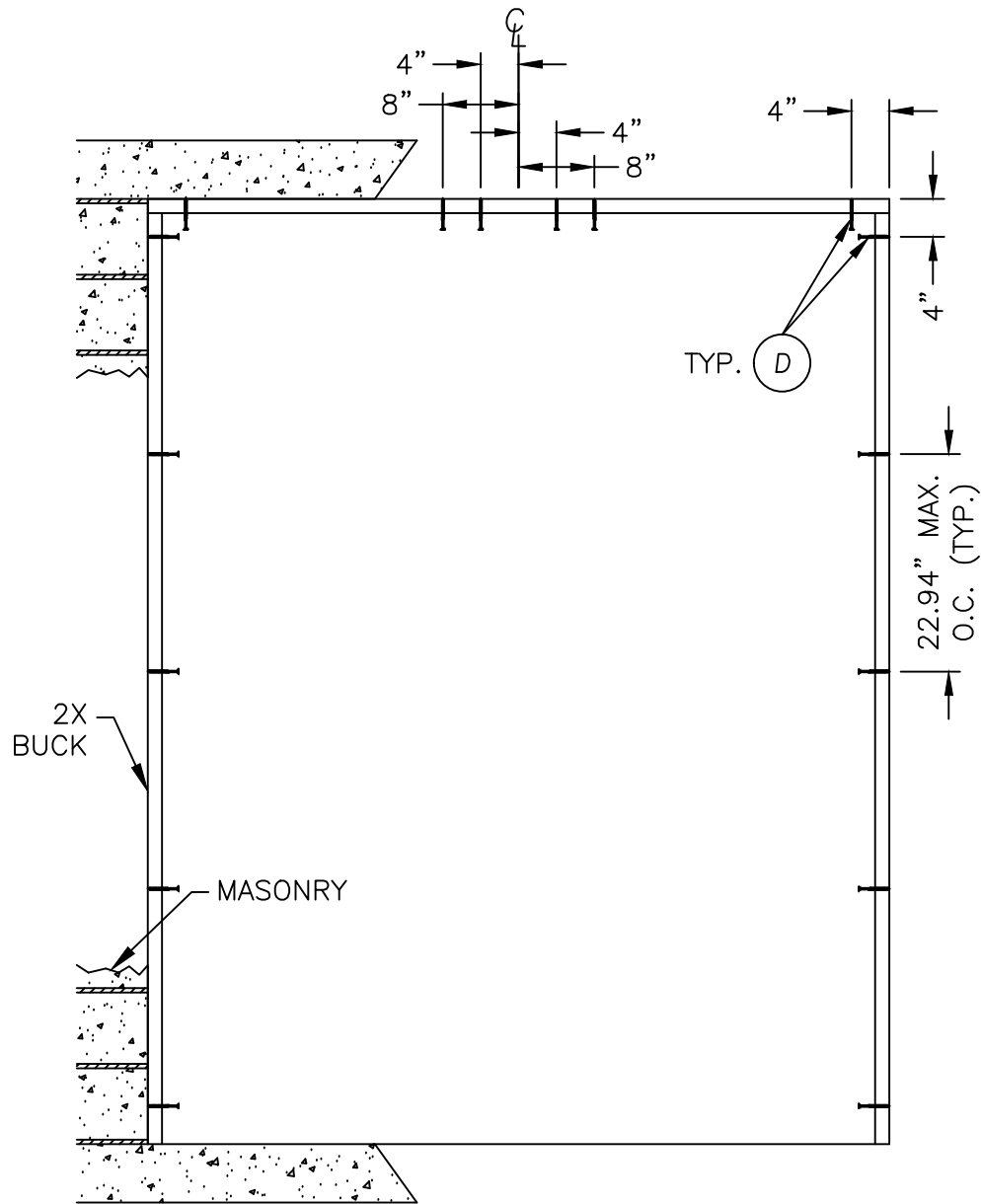
SHEET 4 OF 7

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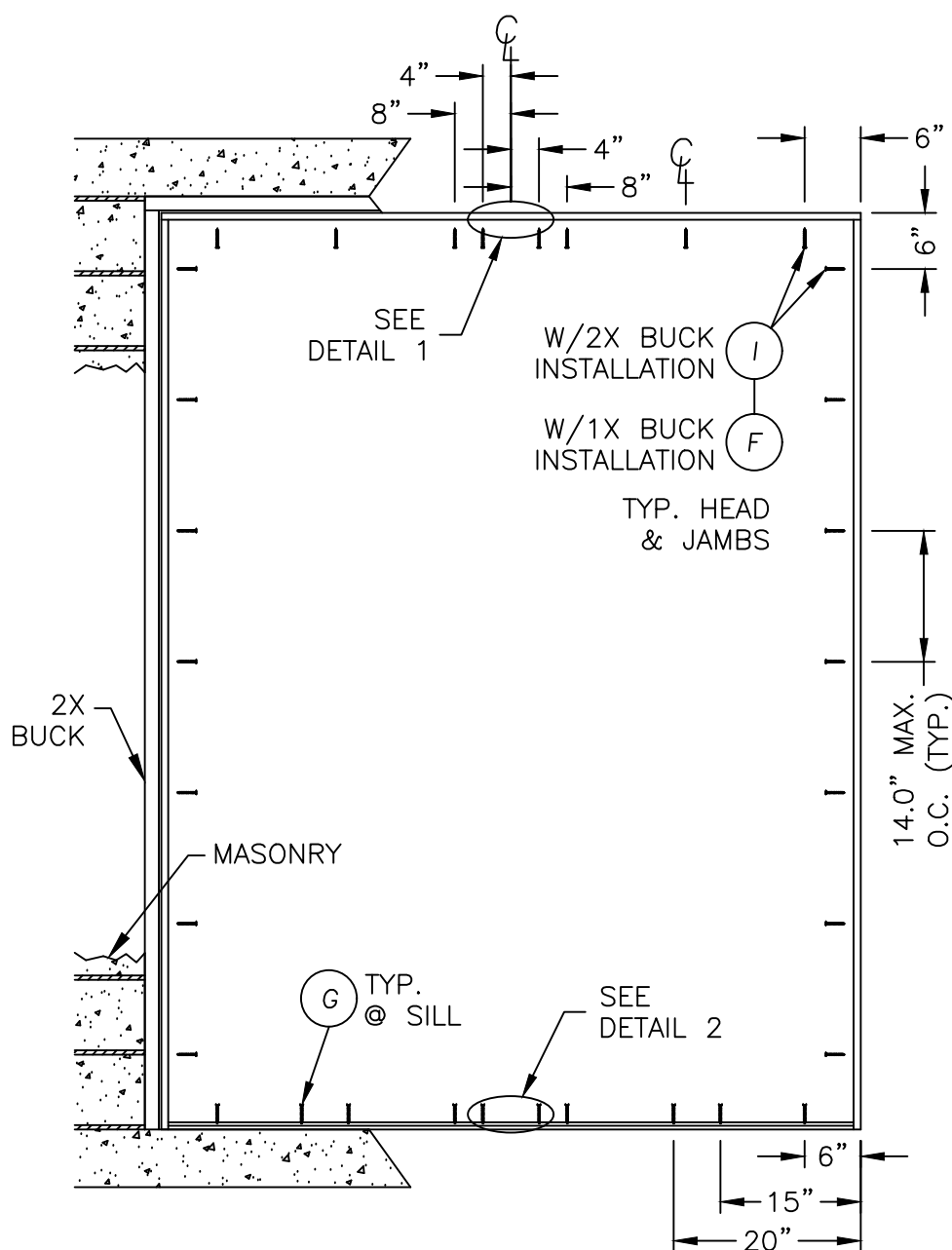
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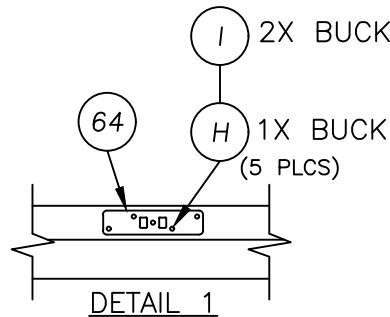
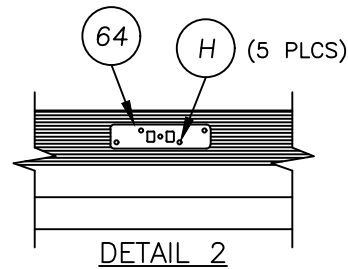
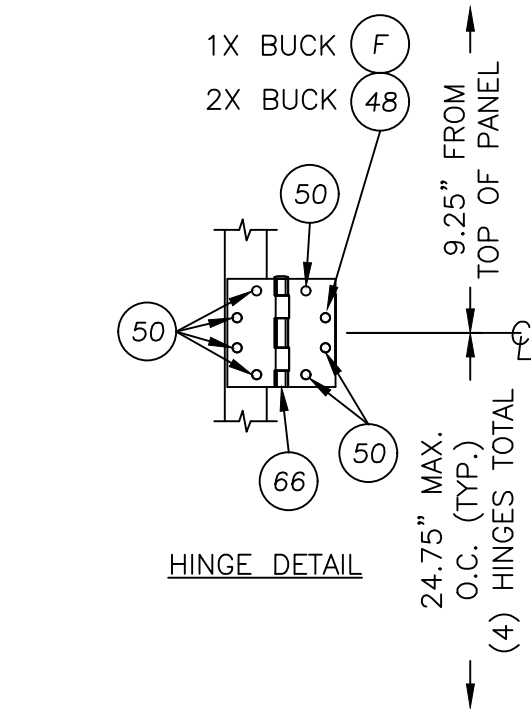
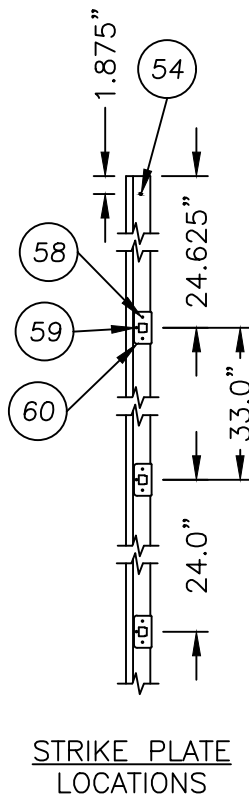
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BUCK ANCHORING



FRAME ANCHORING



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
DeWALT ULTRACON®	3/16"	1-3/4"	1"	1-1/8"
ITW TAPCON®	1/4"	1-1/4"	1"	4"
	1/4"	1-1/4"	2"	4"

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.

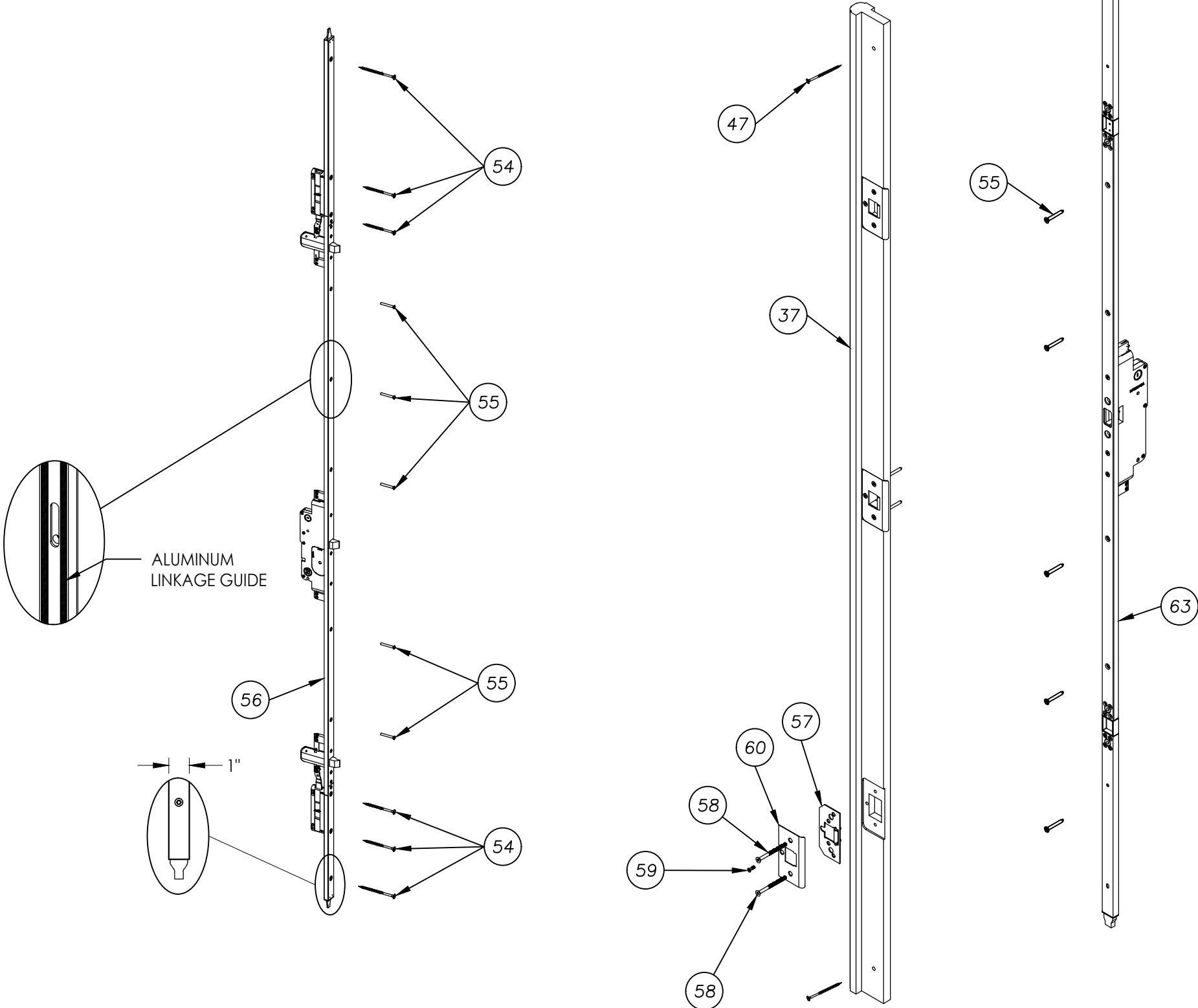
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PRODUCT:
ENDURA
MULTI-POINT LOCK SET

NO.	DATE	REVISIONS
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC
1	3/28/15	UPDATE TO 5TH ED. (2014) FBC

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SHEET 5 OF 7

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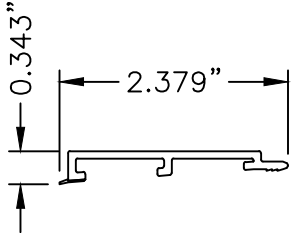


DATE: 3/29/12		DRAWING NO.: FL-15384.3		SHEET 6 OF 7	
SCALE: N.T.S.		CHK. BY: LFS		DWG. BY: JK	
NO.		DATE		BY	
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4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
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1	3/28/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
REVISIONS					
PRODUCT:		ENDURA		PART OR ASSEMBLY:	
		MULTI-POINT LOCK SET		LOCK SET DETAILS	
Documents Prepared By:		Lyndon F. Schmidt		RW BUILDING CONSULTANTS, INC.	
		P.E. No. 43409		P.O. Box 230, Valrico, FL 33595	
				Phone No.: 813.659.9197	
				FBPE Registry No. 9813	

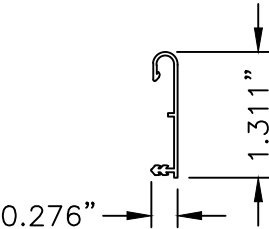
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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	MASONRY – 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
B	2X BUCK (G >= 0.55)	WOOD
C	1/4” MAX. SHIM SPACE	–
D	1/4” X 2–3/4” PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	1X BUCK (G >= 0.55)	WOOD
F	1/4” X 3–3/4” PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	1/4” X 3–1/4” PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	3/16” X 3–1/4” PFH DeWALT CONCRETE SCREW	STEEL
I	#10 X 2–1/2” PFH WS (1.15” MIN. EMBEDMENT, C’SINK 0.15”)	STEEL
11	JAMB (TruStile)	WOOD
14	OUTSWING THRESHOLD	AL./WOOD
37	ASTRAGAL (TruStile)	WOOD
38	WEATHERSTRIP (TruStile)	FOAM
39	STILE & RAIL (TruStile)	WOOD
40	GLASS STOP STILE & RAIL (TruStile)	WOOD
41	GLASS STOP (TruStile)	WOOD
42	PANEL SKIN (TruStile)	HARD WOOD
43	CORE (TruStile)	MDF
44	THRESHOLD TRIM (TruStile)	COMPOSITE
47	#14 X 4” FLAT SQUARE DRIVE WOOD SCREW	STEEL
48	#10 X 2–1/2” PFH SCREW	STEEL
50	#12 X 1–1/4” PFH SCREW	STEEL
54	#14 X 3–1/2” FLAT SQUARE DRIVE WOOD SCREW	STEEL
55	#10 X 1–1/2” PFH SCREW	STEEL
56	LOCK ASSEMBLY (DOUBLE DOOR)(3500 SERIES)	METAL
57	BACKING PLATE	STEEL
58	#8 X 1–1/4” PFH MACHINE SCREW	STEEL
59	#8 X 3/4” PFH SCREW	STEEL
60	MULTI-POINT STRIKE PLATE	STEEL
63	FLUSH BOLT LOCK ASSEMBLY (3020 SERIES)	METAL
64	FLUSH BOLT STRIKE PLATE DOUBLE DOOR	STEEL
66	4–1/4” HINGE	STEEL
72	GLAZING COMPOUND	SILICONE
73	.064” X 1” NAIL	STEEL
75	GLAZING SPACER (TruStile)	–

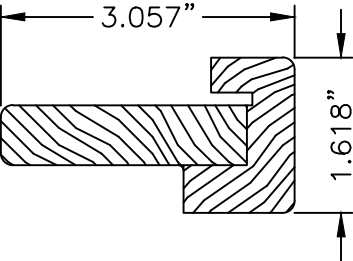
WOOD COMPONENTS: HARD WOOD (MAPLE, G >= 0.55)



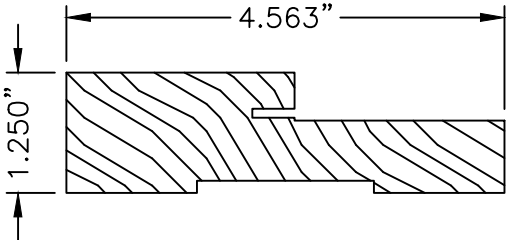
45 SIDELITE SPACER
TruStile



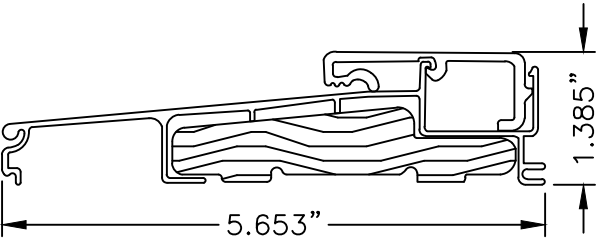
44 THRESHOLD TRIM
TruStile



37 ASTRAGAL
TruStile



11 JAMB



14 OUTSWING THRESHOLD

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P.E. No. 43409

ENDURA
MULTI-POINT LOCK SET

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
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1	3/28/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			

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SHEET 7 OF 7

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