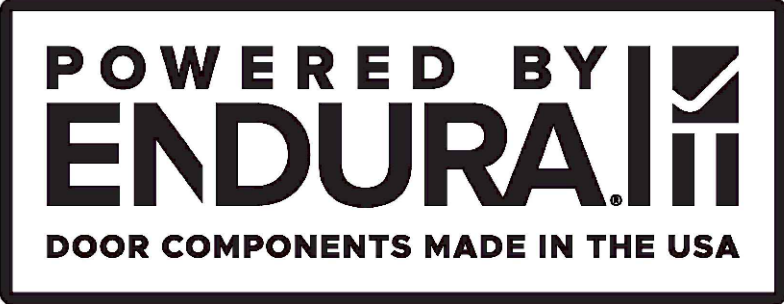
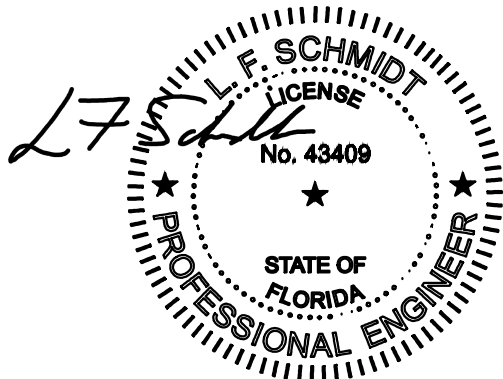




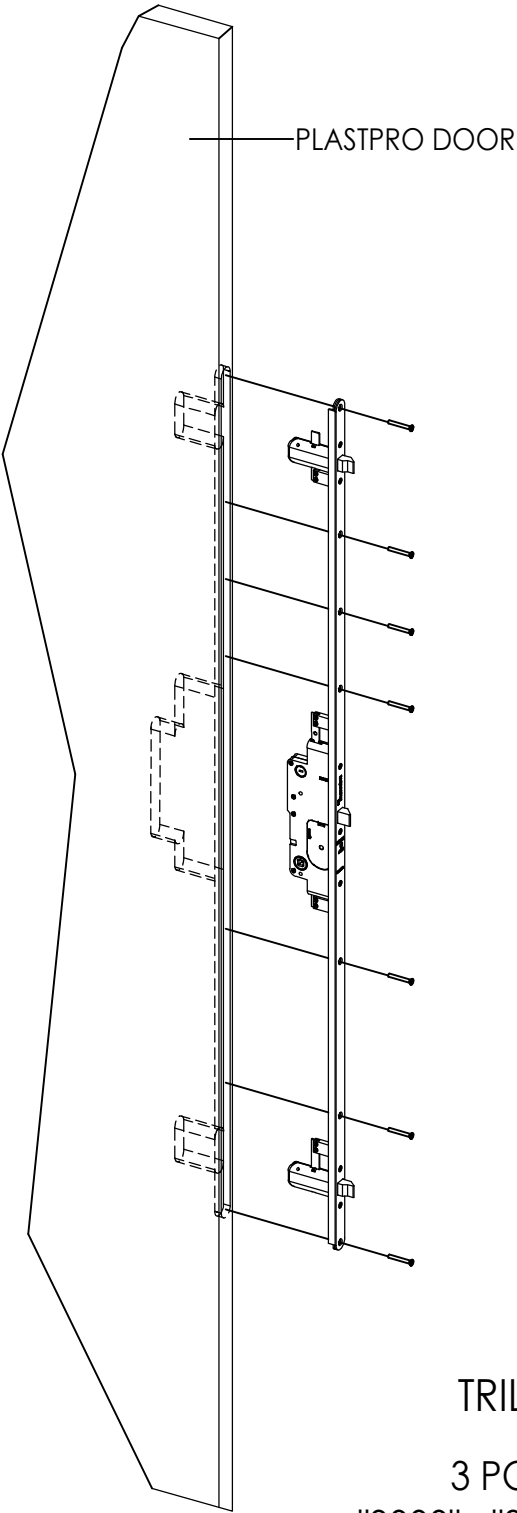
TRILENNIUM®
MULTI-POINT LOCK
w/ PLASTPRO SINGLE DOOR
OUTSWING
"NON-IMPACT"



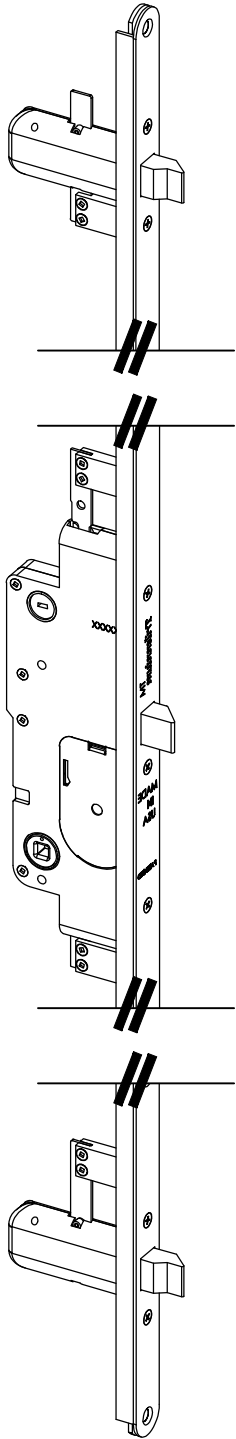
Digitally signed by Lyndon F Schmidt
Date: 2023.07.17 13:04:02 -04'00'

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



TRILENNIUM®
3 POINT LOCK
"3000" - "3000CD" - "3070"



GENERAL NOTES

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 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	Components
8	Bill of materials & glazing detail

CONFIG.	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
SINGLE	37.5" x 96.75"	21.12" x 79.12"	G1	+60.0	-60.0

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

ENDURA
MULTI-POINT LOCK SET

PART OR ASSEMBLY:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
3	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
2	12/07/15	REVISED COMPONENTS		LFS
1	3/28/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			BY
REVISIONS				

DATE: 3/29/12

SCALE: N.T.S.

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CHK. BY: LFS

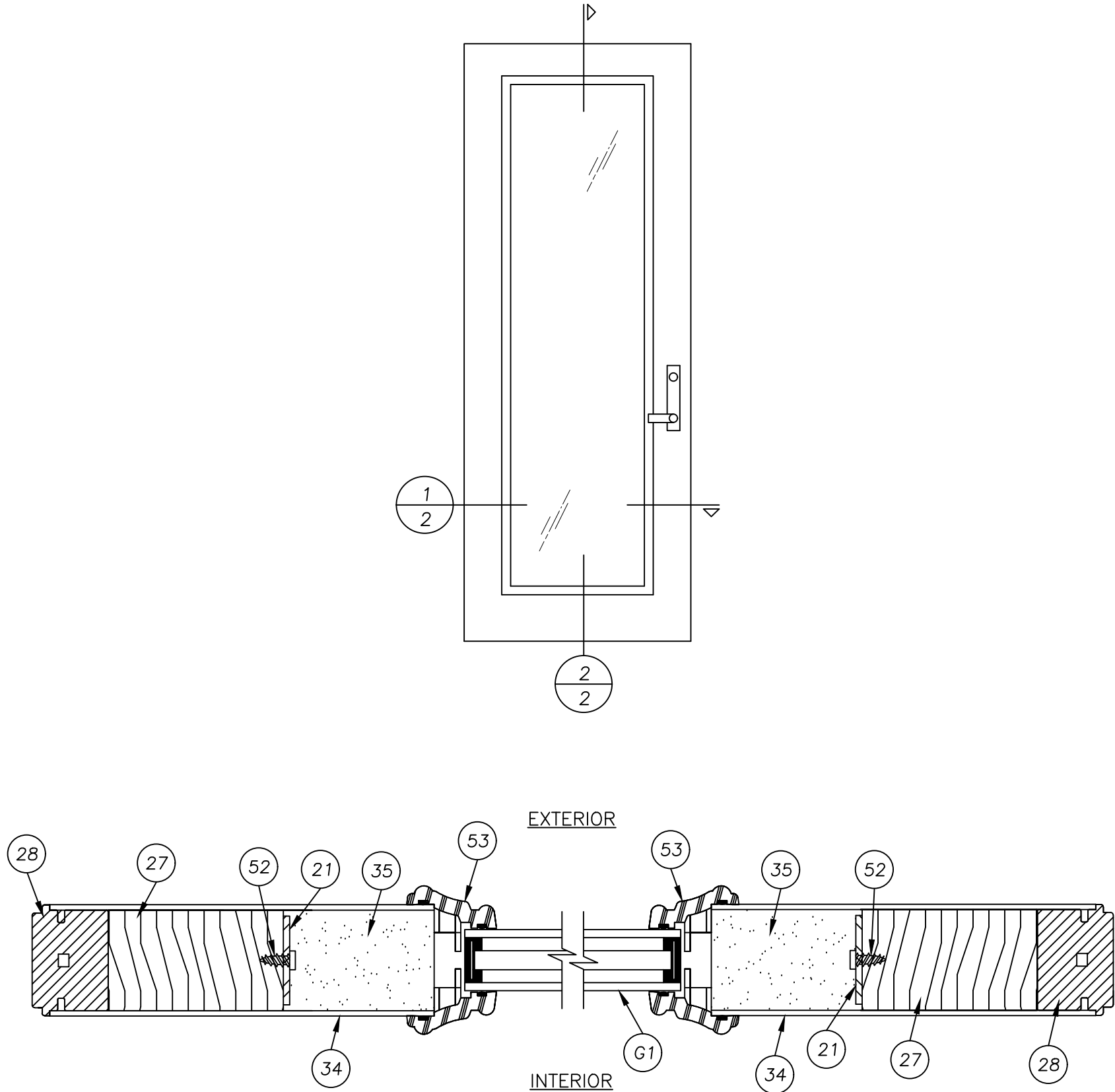
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SHEET 1 OF 8

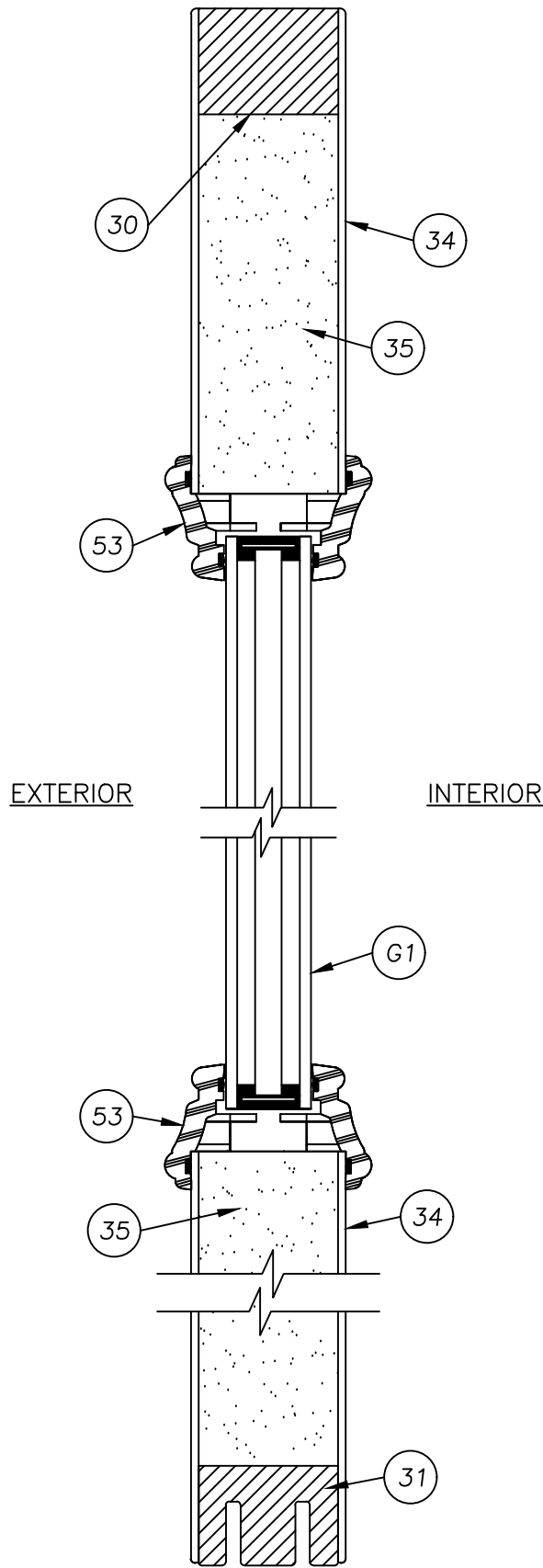
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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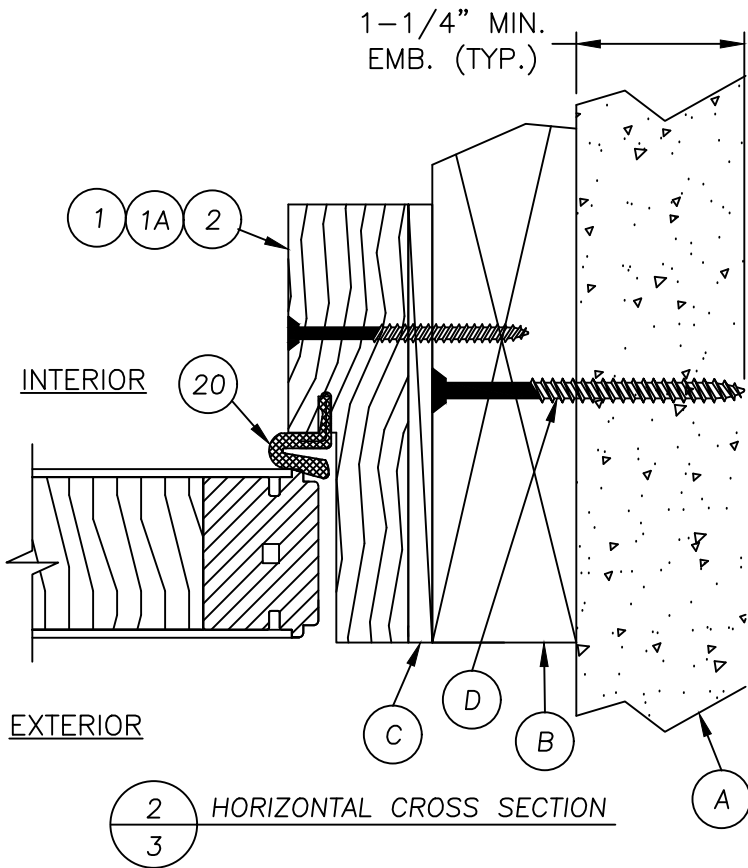
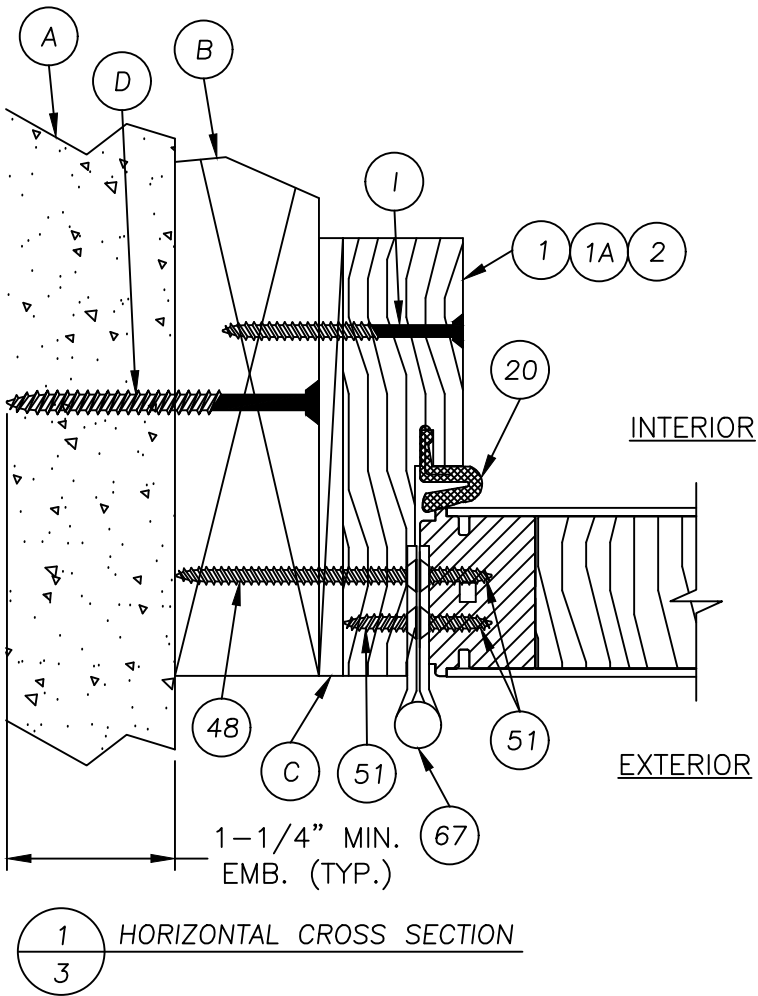
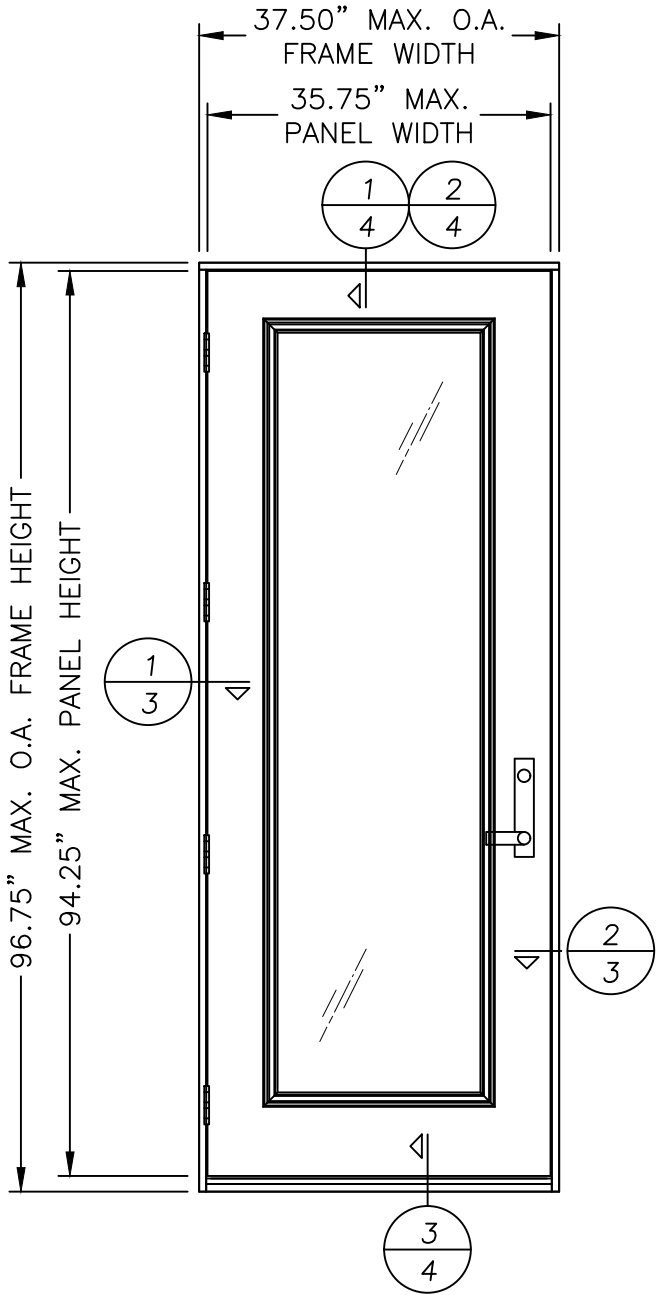


1 HORIZONTAL CROSS SECTION
2 DOOR & SIDELITE



2 VERTICAL CROSS SECTION
2 DOOR & SIDELITE

PRODUCT:		ENDURA MULTI-POINT LOCK SET		PART OR ASSEMBLY: PANEL DETAILS	
5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
3	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
2	12/07/15	REVISED COMPONENTS		LFS	
1	3/28/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
NO.	DATE			BY	
REVISIONS					
DATE: 3/29/12					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-15384.4					
SHEET 2 OF 8					
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5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
3	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
2	12/07/15	REVISED COMPONENTS		LFS
1	3/28/15	UPDATE TO 5TH ED. (2014)	FBC	JK
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REVISIONS				

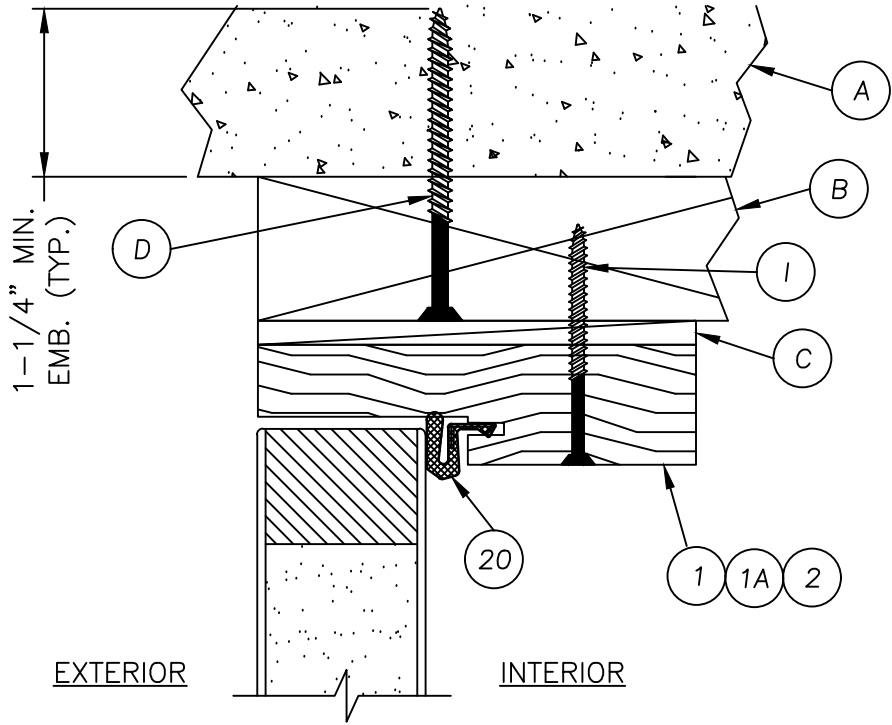
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DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15384.4
SHEET	3 OF 8

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	PRODUCT: ENDURA MULTI-POINT LOCK SET
	PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

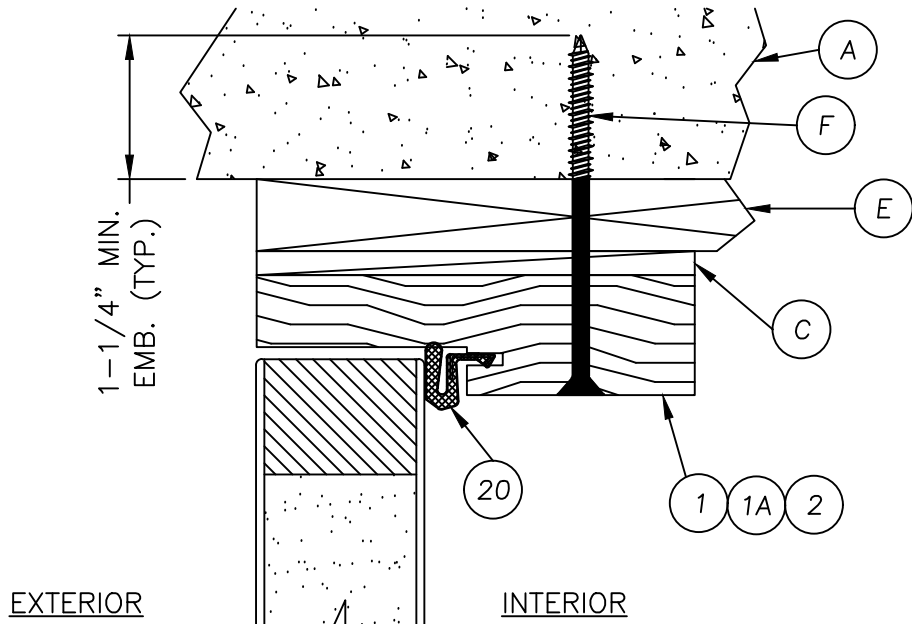
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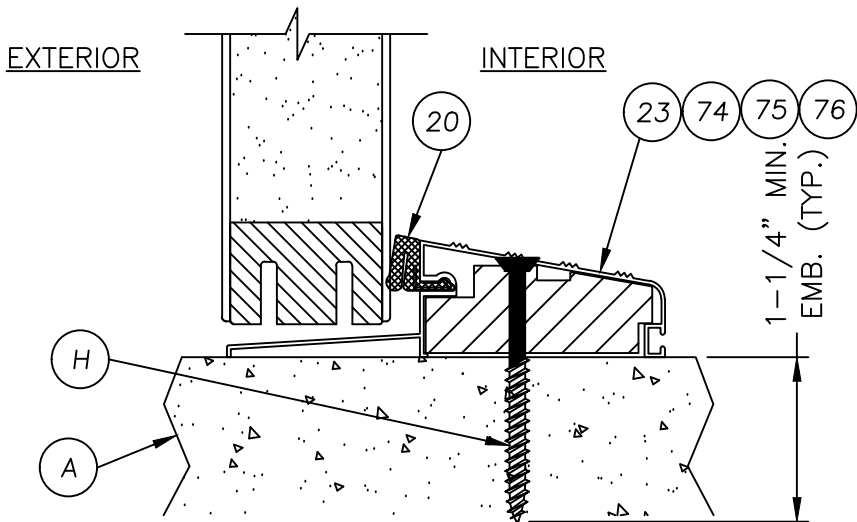
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1
4 VERTICAL CROSS SECTION



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



3
4 VERTICAL CROSS SECTION

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS
3	9/26/17	UPDATE TO 6TH ED. (2017) FBC LFS
2	12/07/15	REVISED COMPONENTS LFS
1	3/28/15	UPDATE TO 5TH ED. (2014) FBC JK
NO.	DATE	BY

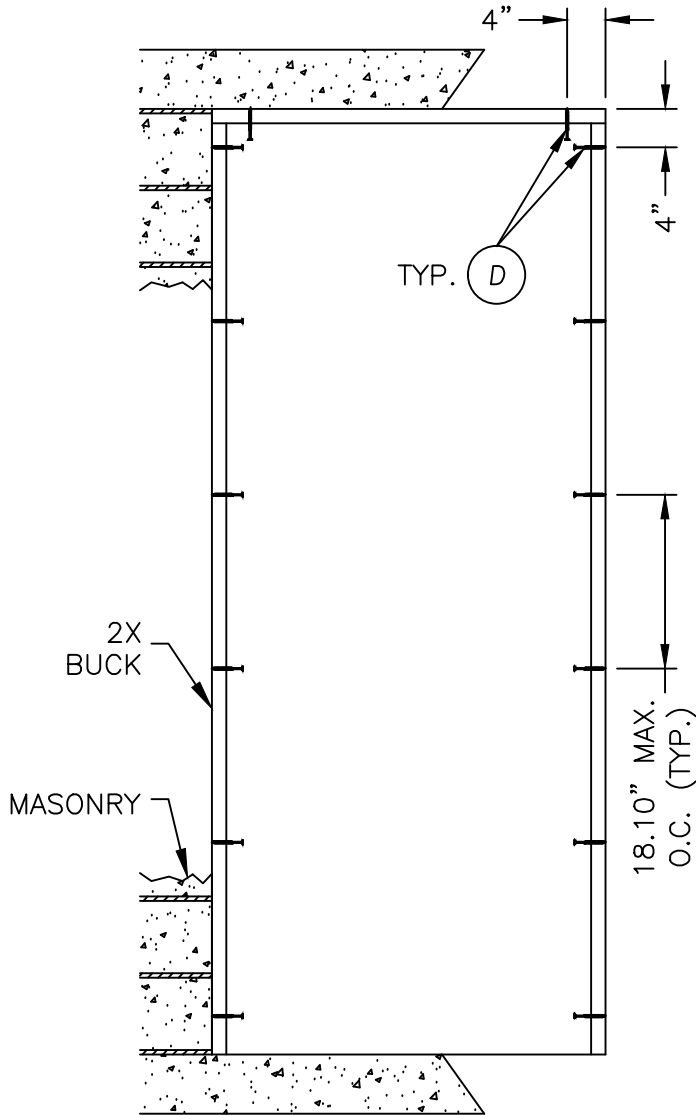
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CHK. BY:	LFS
DRAWING NO.:	FL-15384.4
SHEET	4 OF 8

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P.E. No. 43409

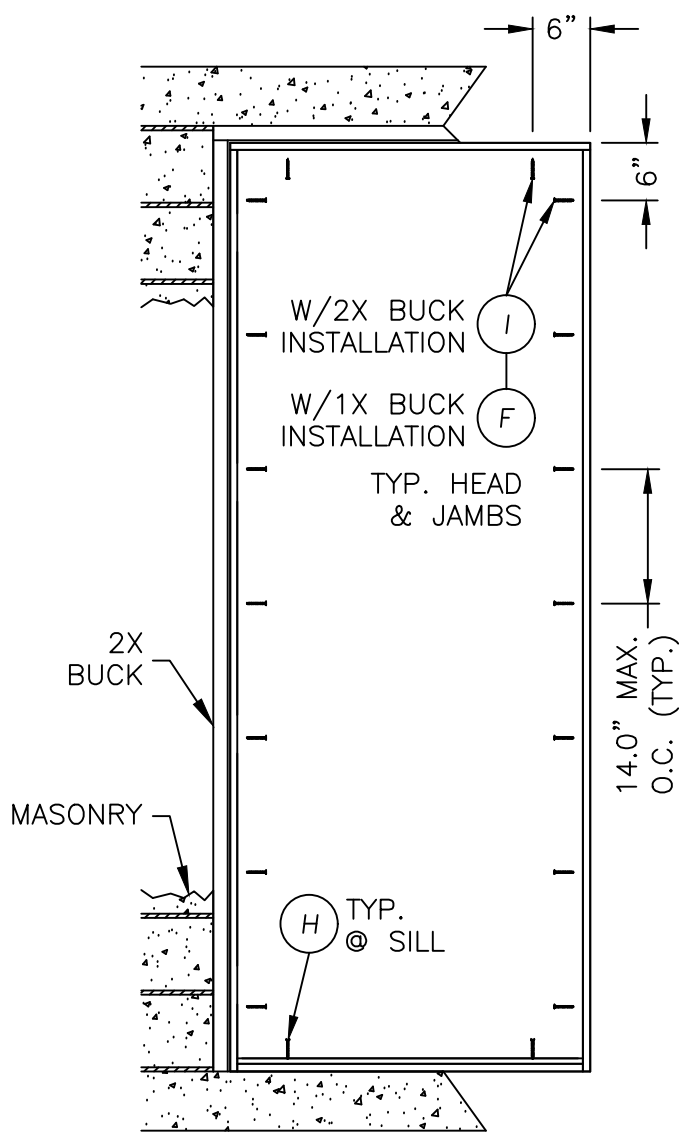
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

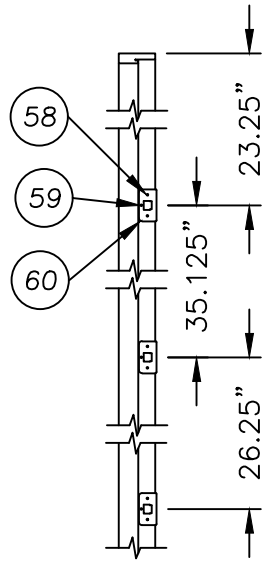
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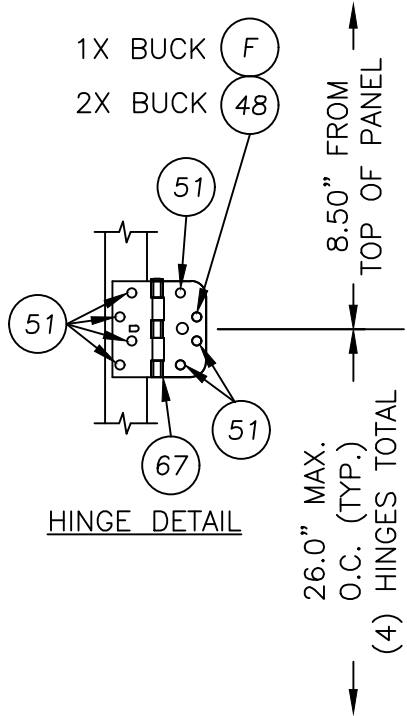
BUCK ANCHORING



FRAME ANCHORING



STRIKE PLATE
LOCATIONS



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"

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.

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:

ENDURA
MULTI-POINT LOCK SET

PART OR ASSEMBLY:

BUCK & FRAME
ANCHORING

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS
3	9/26/17	UPDATE TO 6TH ED. (2017) FBC LFS
2	12/07/15	REVISED COMPONENTS LFS
1	3/28/15	UPDATE TO 5TH ED. (2014) FBC JK
NO.	DATE	BY

DATE: 3/29/12

SCALE: N.T.S.

DWG. BY: JK

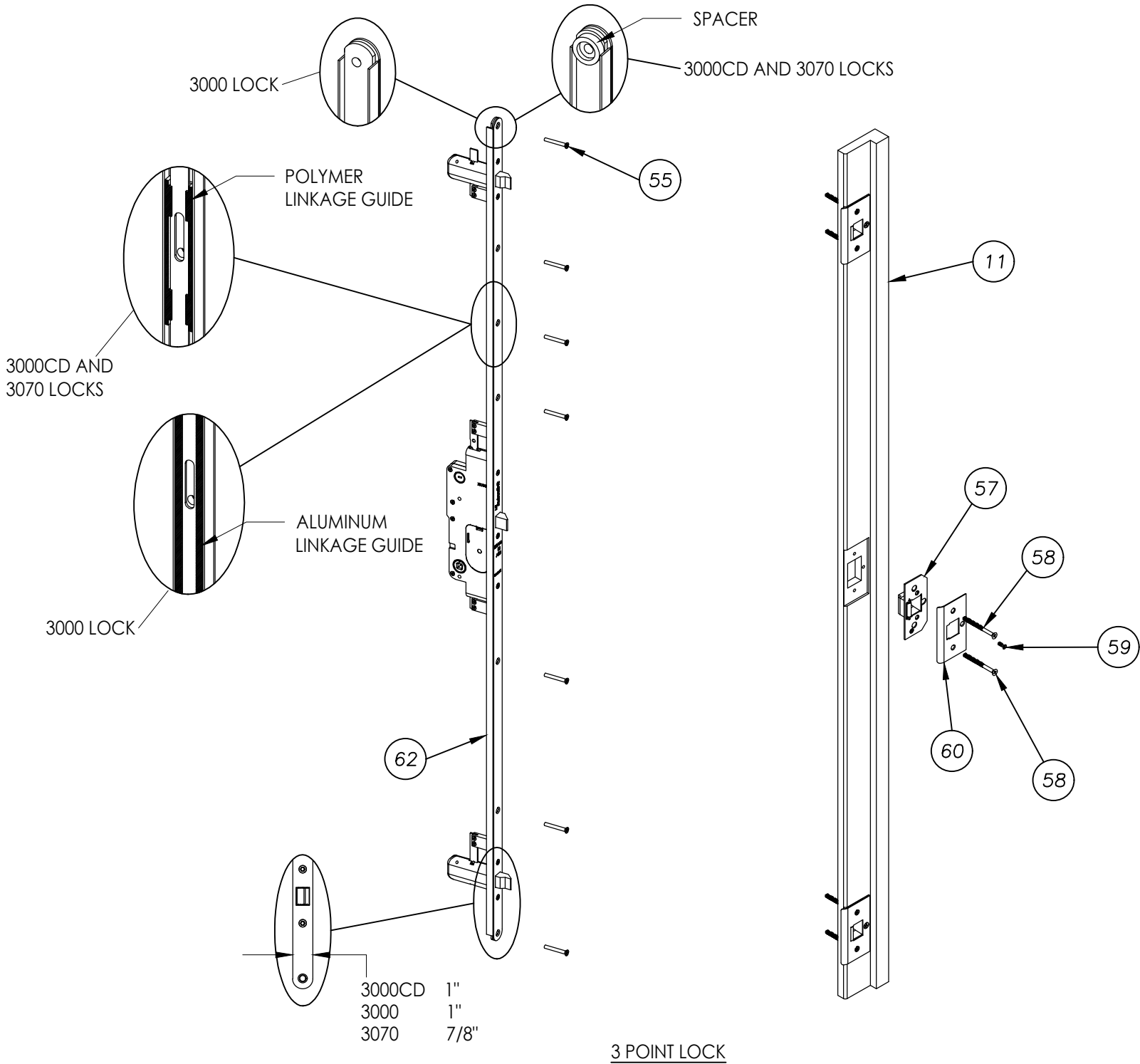
CHK. BY: LFS

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FL-15384.4

SHEET 5 OF 8

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CHK. BY:	LFS
DRAWING NO.:	FL-15384.4
SHEET	6 OF 8

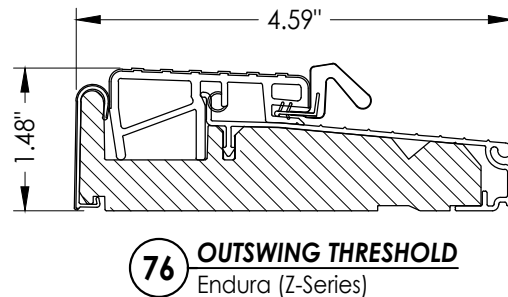
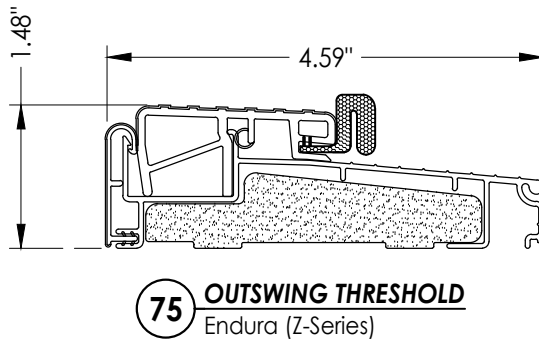
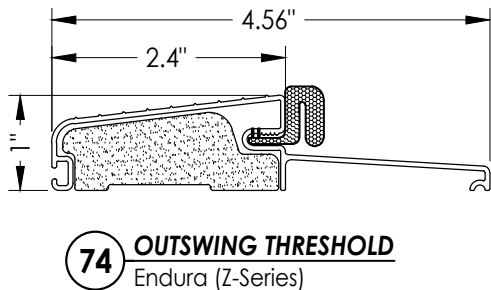
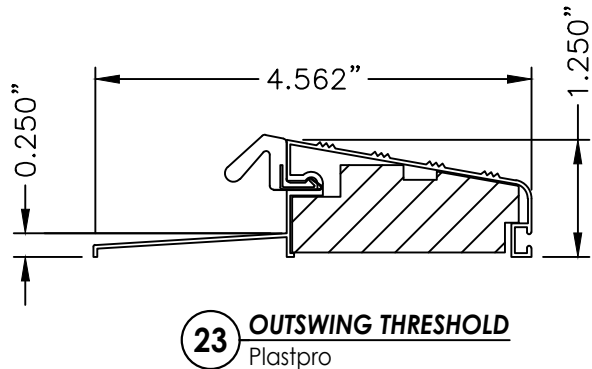
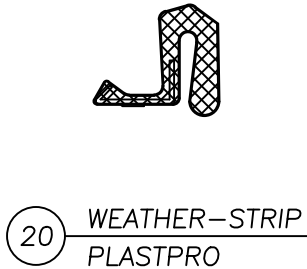
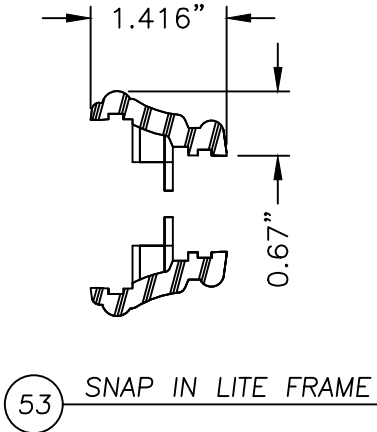
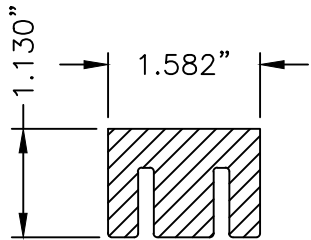
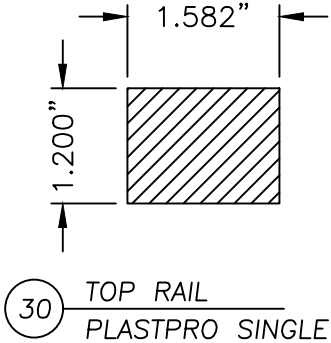
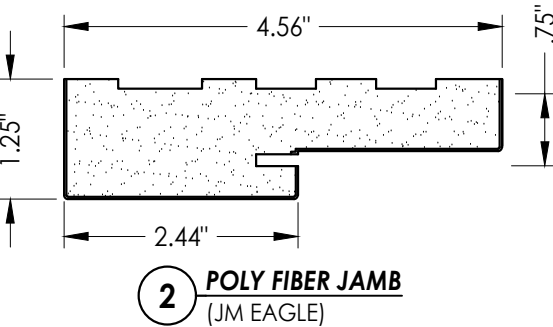
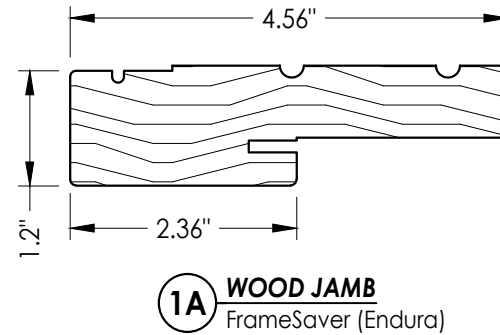
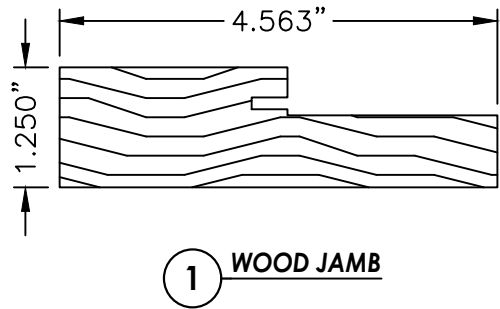
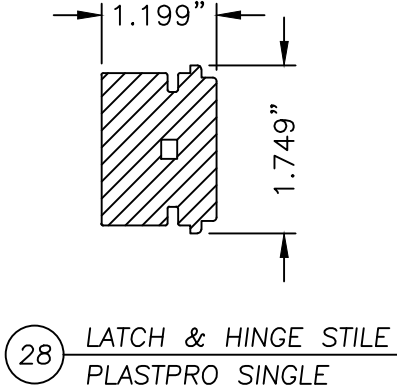
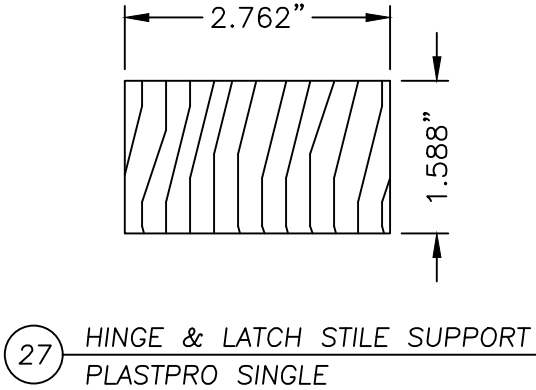
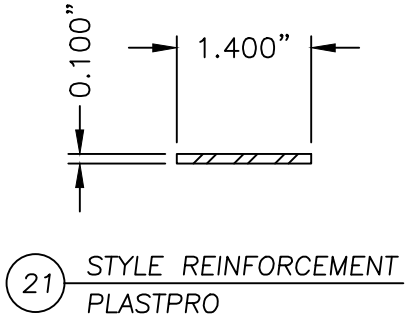
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4	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS
3	9/26/17	UPDATE TO 6TH ED. (2017) FBC LFS
2	12/07/15	REVISED COMPONENTS LFS
1	3/28/15	UPDATE TO 5TH ED. (2014) FBC JK
NO.	DATE	BY

PRODUCT:	ENDURA MULTI-POINT LOCK SET
PART OR ASSEMBLY:	LOCK SET DETAILS

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

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Documents Prepared By:
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ENDURA
MULTI-POINT LOCK SET

PART OR ASSEMBLY:
COMPONENTS

DATE: 3/29/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

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SHEET 7 OF 8

REVISIONS

NO.	DATE	BY	REVISIONS
5	7/06/23	LFS	UPDATE TO 8TH ED. (2023) FBC
4	8/03/20	LFS	UPDATE TO 7TH ED. (2020) FBC
3	9/26/17	LFS	UPDATE TO 6TH ED. (2017) FBC
2	12/07/15	LFS	REVISED COMPONENTS
1	3/28/15	JK	UPDATE TO 5TH ED. (2014) FBC

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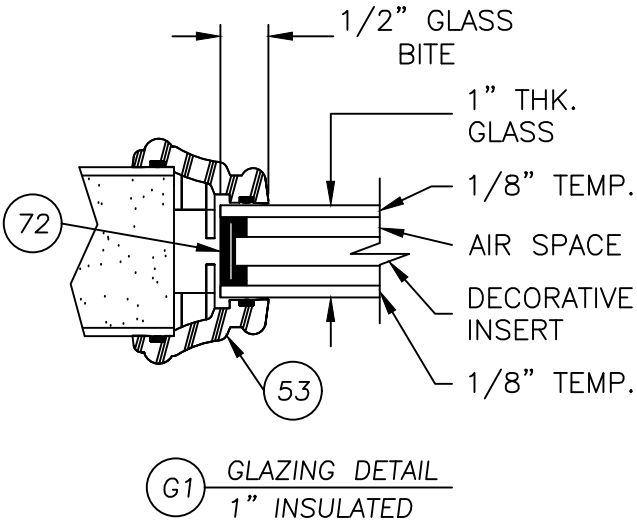
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Phone No.: 813.659.9197

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
H	1/4” X 2–3/4” PFH DeWALT OR ITW CONCRETE SCREW	STEEL
I	#10 X 2–1/2” PFH WS (1.15” MIN. EMBEDMENT, C’SINK 0.15”)	STEEL
1	FINGER JOINTED PINE JAMB	WOOD
1A	FINGER JOINTED PINE JAMB (FrameSaver)	WOOD/COMP
2	POLY FIBER JAMB (JM EAGLE)	COMP
20	SCHLEGEL Q–LON WEATHERSTRIP (PLASTPRO)	FOAM
21	STILE SUPPORT REINFORCEMENT (PLASTPRO)	STEEL
23	OUTSWING BUMP THRESHOLD (PLASTPRO)	AL./WOOD
27	HINGE & LATCH STILE SUPPORT (PLASTPRO)	WOOD
28	LATCH & HINGE STILE (PLASTPRO)	PVC
29	DOOR BOTTOM SWEEP (PLASTPRO)	PVC
30	TOP RAIL (PLASTPRO)	PVC
31	BOTTOM RAIL (PLASTPRO)	PVC
34	DOOR SKIN (PLASTPRO) (.091” SKIN THICKNESS)	FIBERGLASS
35	FOAM CORE (PLASTPRO)	POLYURETH.
47	#14 X 4” FLAT SQUARE DRIVE WOOD SCREW	STEEL
48	#10 X 2–1/2” PFH SCREW	STEEL
51	#10 X 3/4” PFH SCREW	STEEL
52	REINFORCEMENT RETAINING SCREW	NYLON
53	SNAP IN LITE FRAME	ABS
54	#14 X 3–1/2” FLAT SQUARE DRIVE WOOD SCREW	STEEL
55	#10 X 1–1/2” PFH SCREW	STEEL
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
62	LOCK ASSEMBLY (SINGLE DOOR)(3000, 3000CD, 3070 SERIES)	METAL
67	4” HINGE	STEEL
72	SWIGGLE (S.S.) & GLAZING COMPOUND	ST. STEEL
74	OUTSWING BUMP THRESHOLD (ENDURA)	AL./COMP
75	OUTSWING BUMP THRESHOLD (ENDURA)	AL./COMP
76	OUTSWING BUMP THRESHOLD (ENDURA)	AL./COMP



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

ENDURA
MULTI–POINT LOCK SET

PART OR ASSEMBLY:
BILL OF MATERIALS
& GLAZING DETAIL

5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
3	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
2	12/07/15	REVISED COMPONENTS		LFS
1	3/28/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			BY

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DATE: 3/29/12

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SHEET 8 OF 8

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