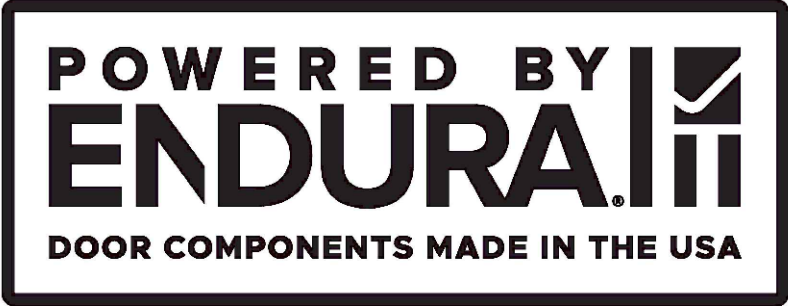
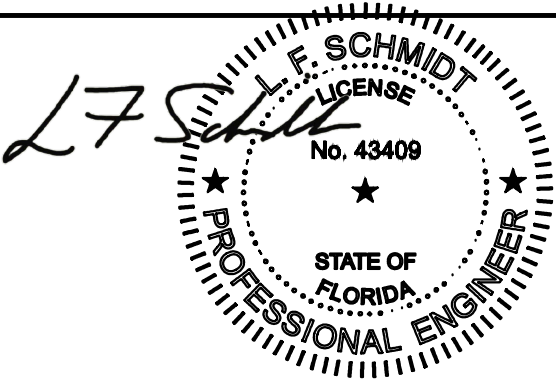


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TRILENNIUM®
MULTI-POINT LOCK
w/ PLASTPRO DOUBLE DOOR
OUTSWING



Digitally signed by Lyndon F Schmidt
Date: 2026.07.19 08:58:38 -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.

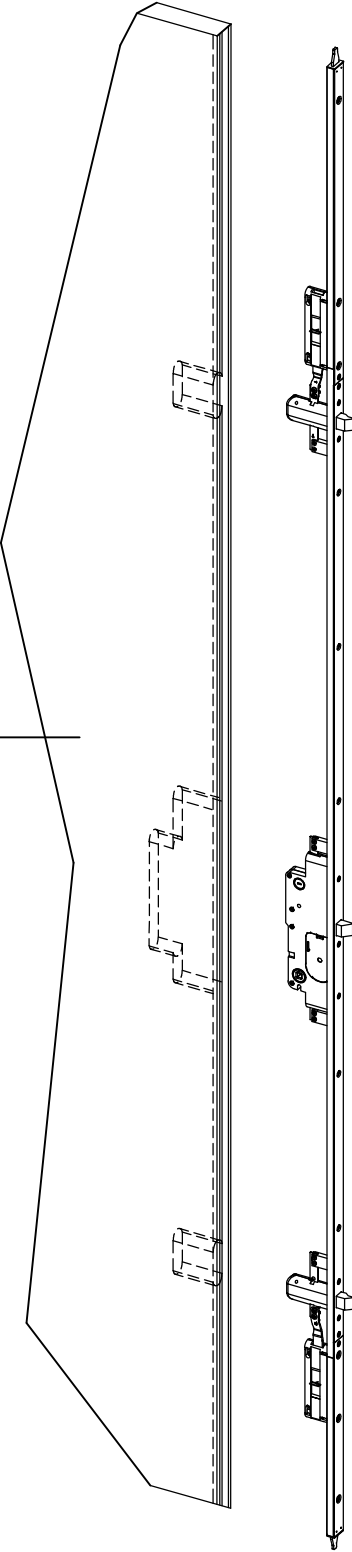
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

GENERAL NOTES

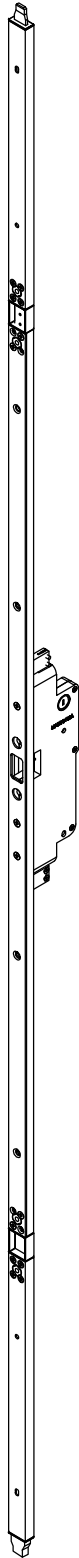
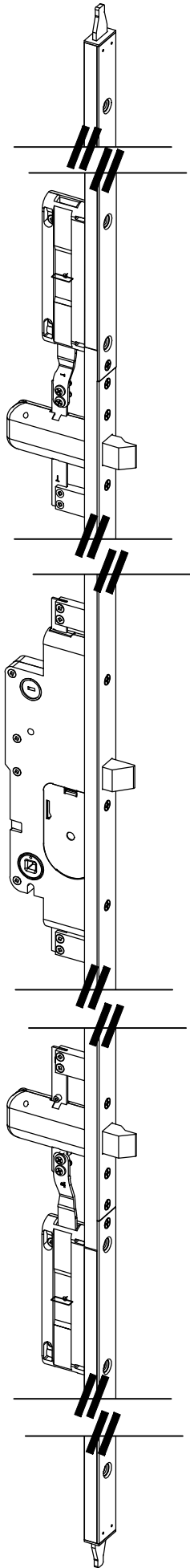
"NON-IMPACT"

- 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).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

PLASTPRO DOOR



TRILENNIUM®
5 POINT LOCK
"3500"
ACTIVE PANEL



TRILENNIUM®
"3020"
INACTIVE PANEL

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.I.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
DOUBLE	74.25" x 96.75"	21.12" x 79.0"	G1	+55.0	-55.0

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

6 7/01/26 UPDATE TO 9TH ED. (2026) FBC LFS

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

DATE: 3/29/12

SCALE: N.T.S.

DWG. BY: JK

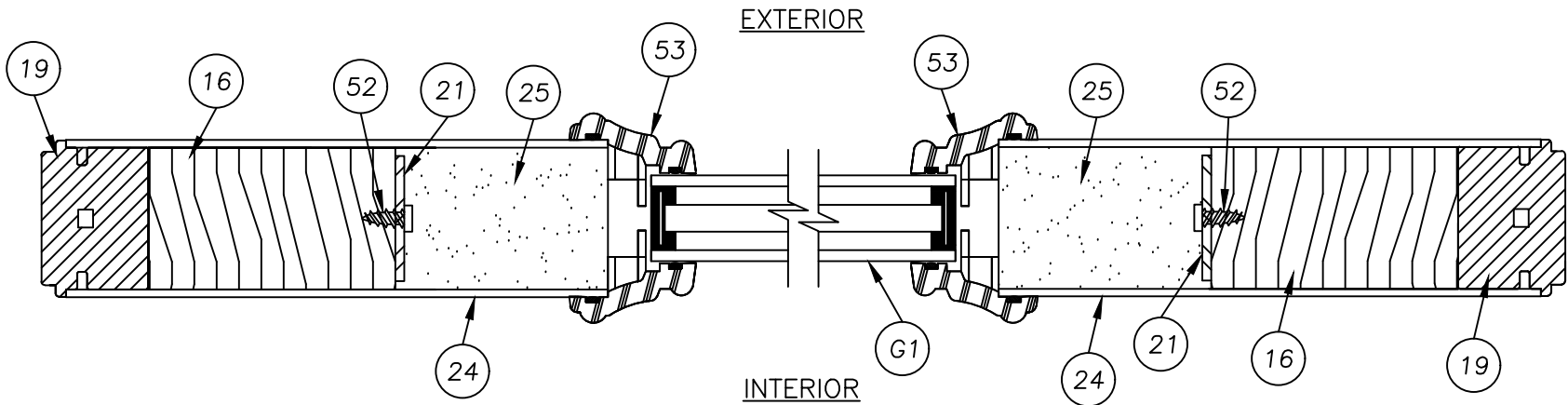
CHK. BY: LFS

DRAWING NO.: FL-15384.5

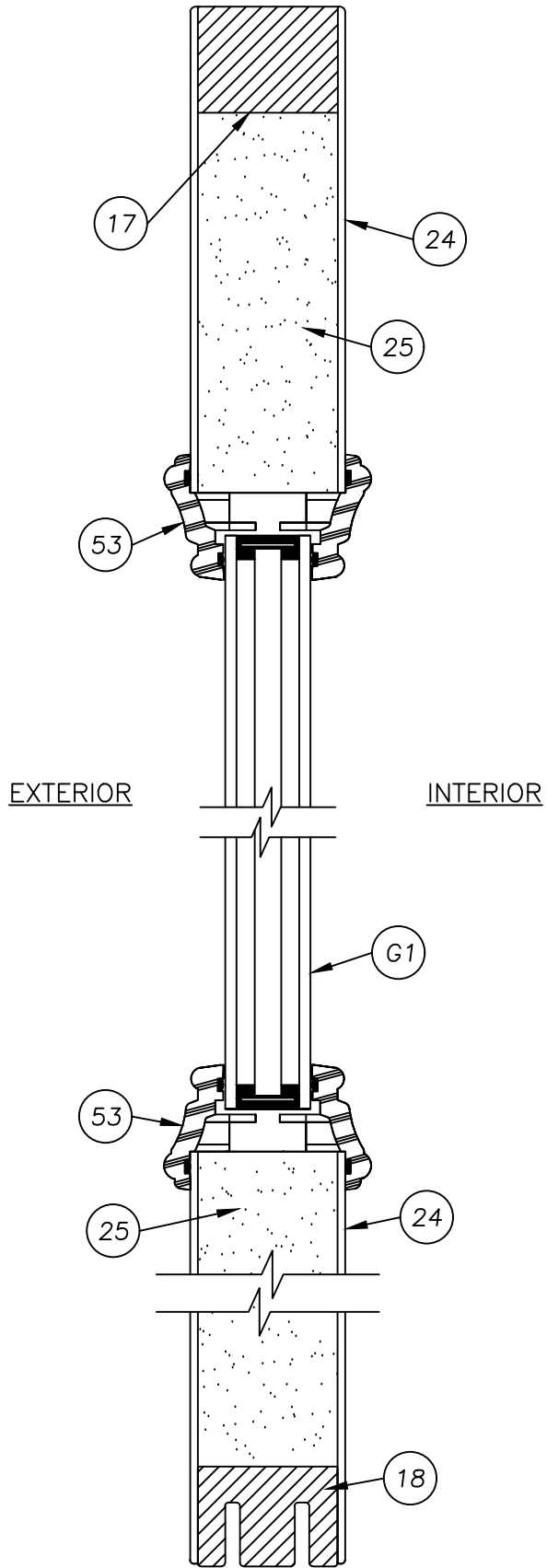
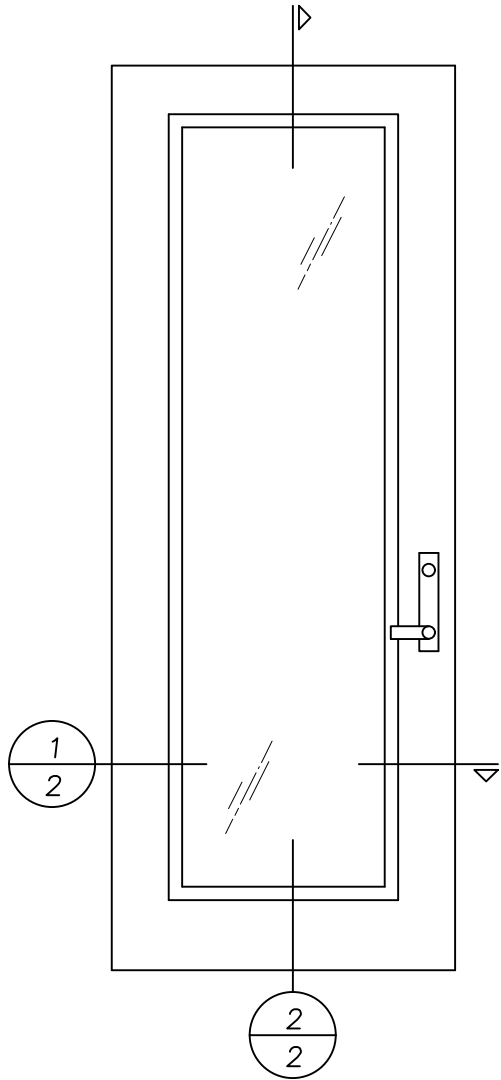
SHEET 1 OF 8

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1 HORIZONTAL CROSS SECTION
2 DOOR & SIDELITE



2 VERTICAL CROSS SECTION
2 DOOR & SIDELITE

DATE: 3/29/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15384.5

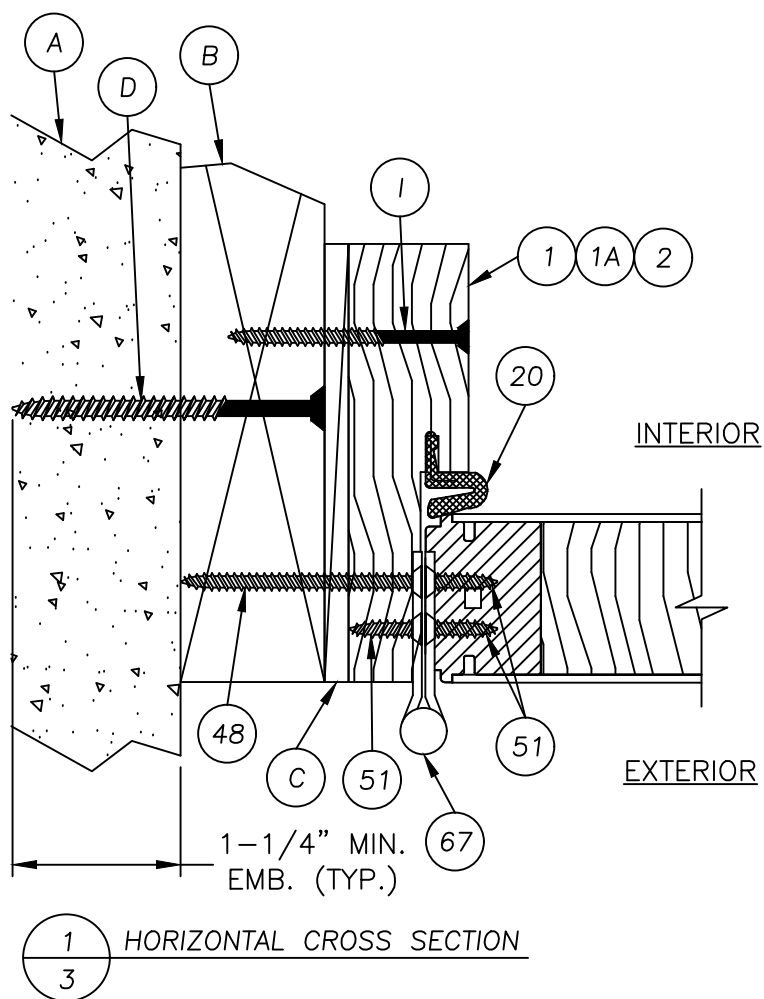
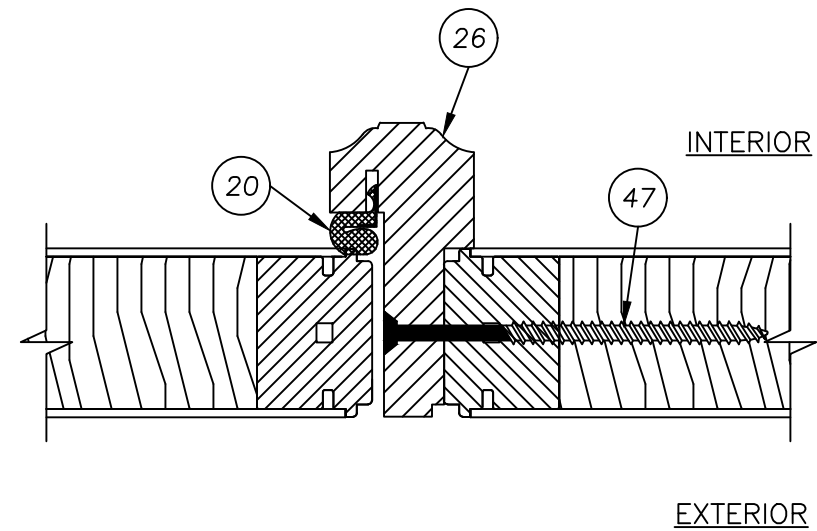
SHEET 2 OF 8

NO.	DATE	REVISIONS
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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
		BY

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

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

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



DATE:	3/29/12			
SCALE:	N.T.S.			
DWG. BY:	JK			
CHK. BY:	LFS			
DRAWING NO.:	FL-15384.5			
SHEET	3	OF	8	

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

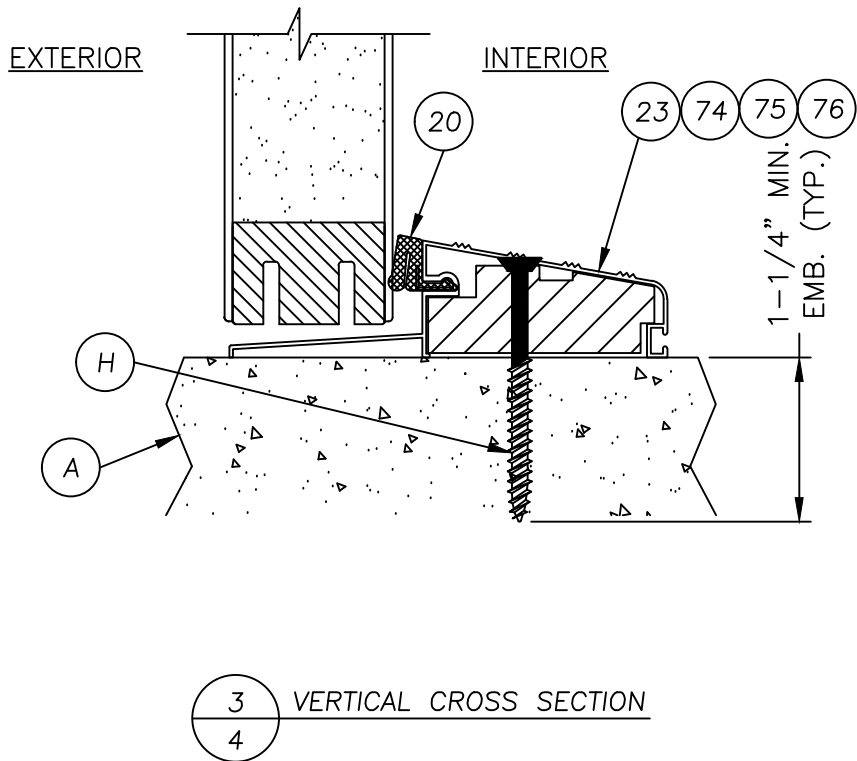
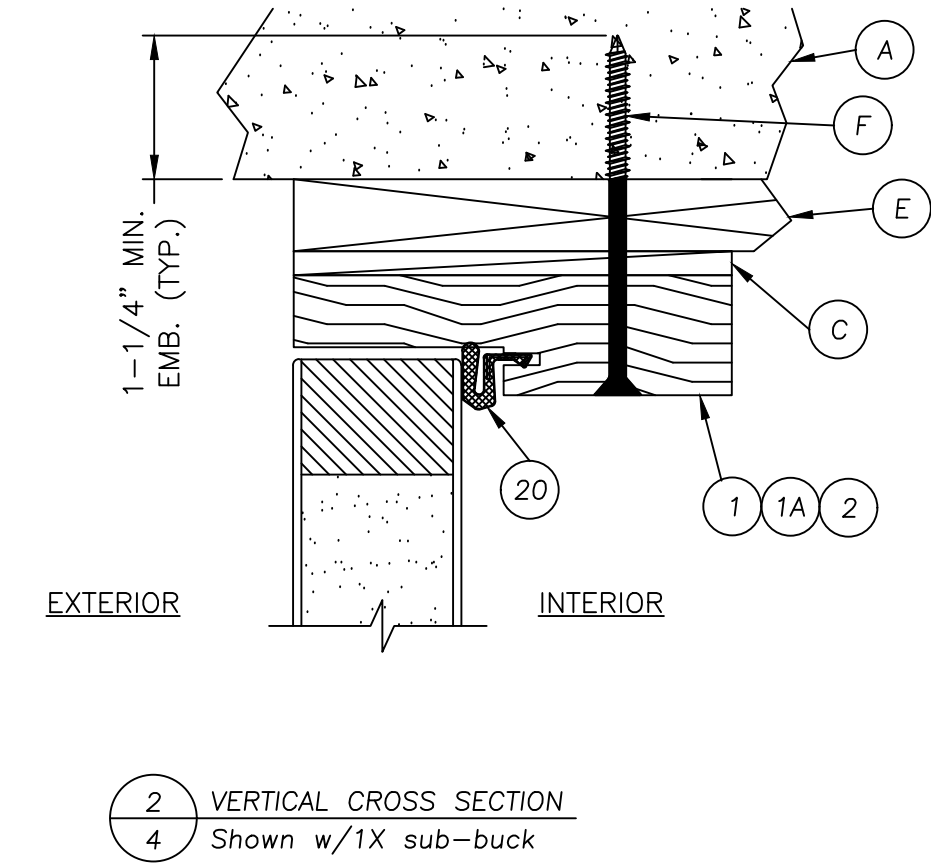
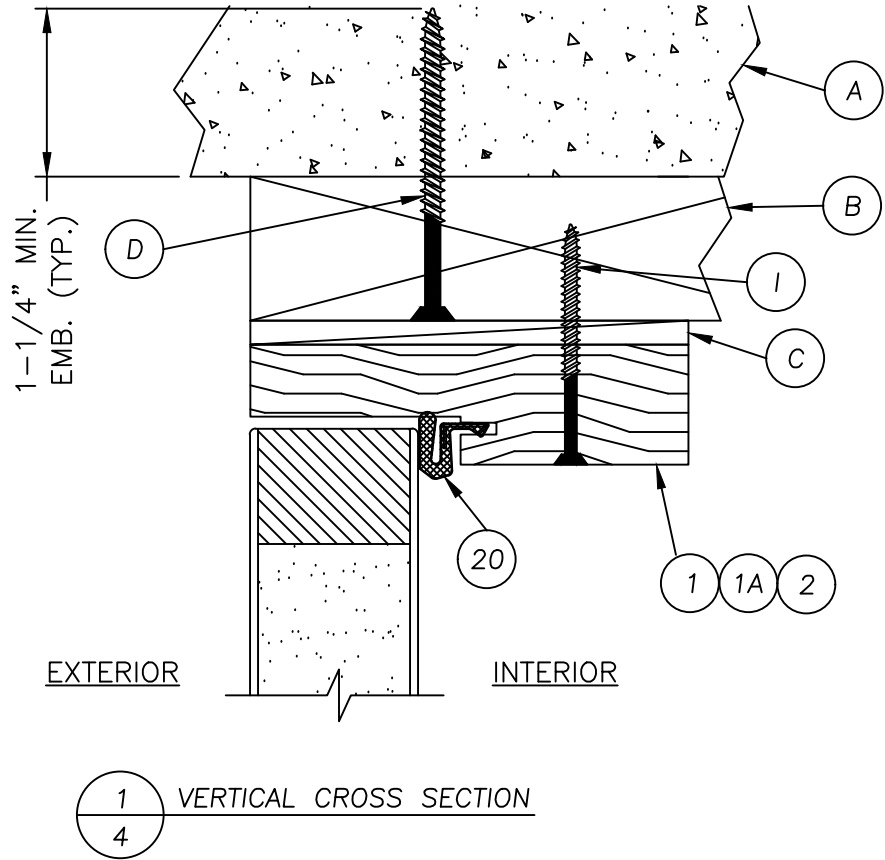
PRODUCT: ENDURA
MULTI-POINT LOCK SET

PART OR ASSEMBLY:

HORIZONTAL CROSS SECTIONS

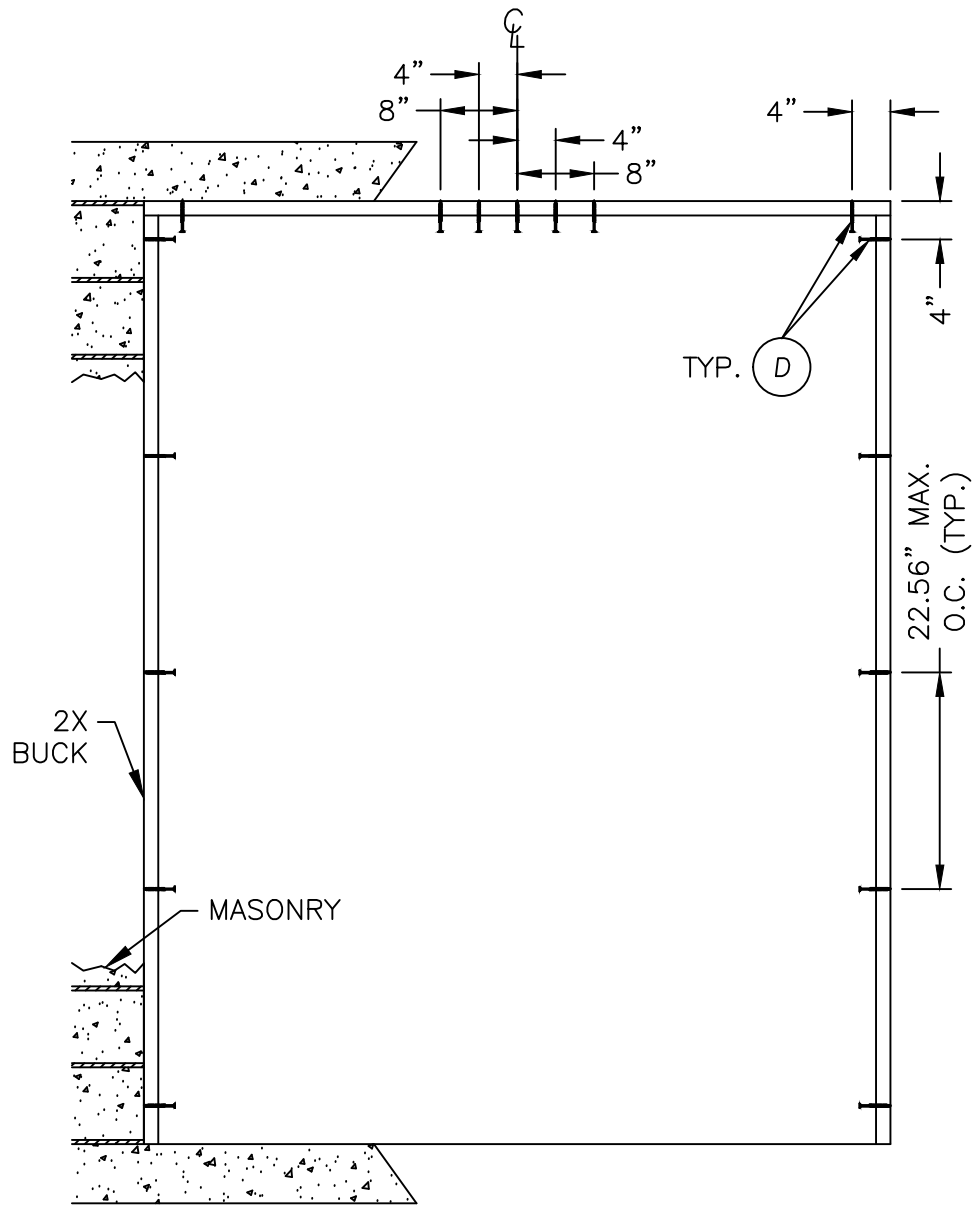
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P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

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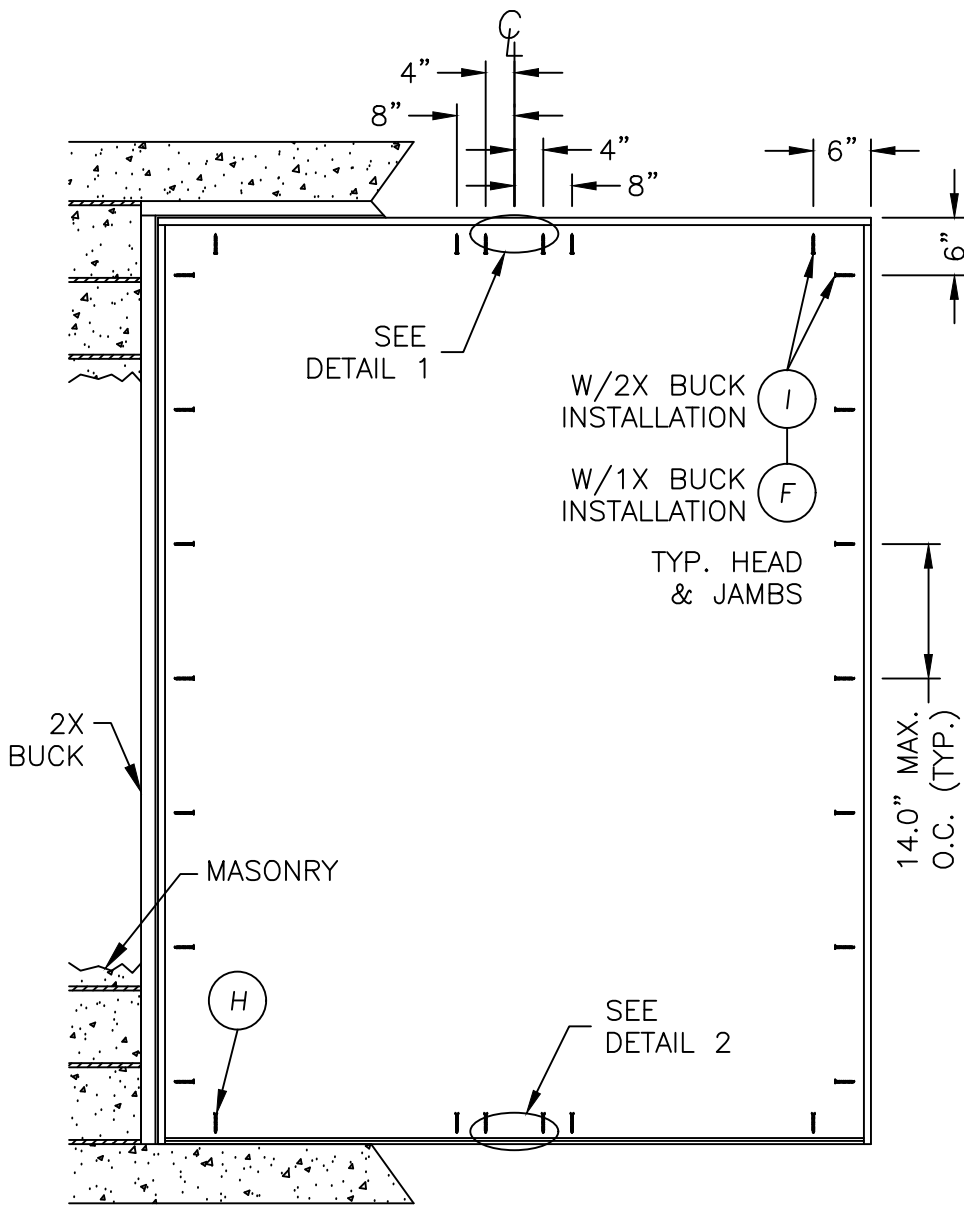


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409										BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813									
PRODUCT: ENDURA MULTI-POINT LOCK SET										PART OR ASSEMBLY: VERTICAL CROSS SECTIONS									
6	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS	REVISED COMPONENTS					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				LFS														
1	3/28/15	UPDATE TO 5TH ED.	(2014)	FBC	JK														
NO.		DATE																	
DATE: 3/29/12																			
SCALE: N.T.S.																			
DWG. BY: AL																			
CHK. BY: LFS																			
DRAWING NO.: FL-15384.5																			
SHEET 4 OF 8																			

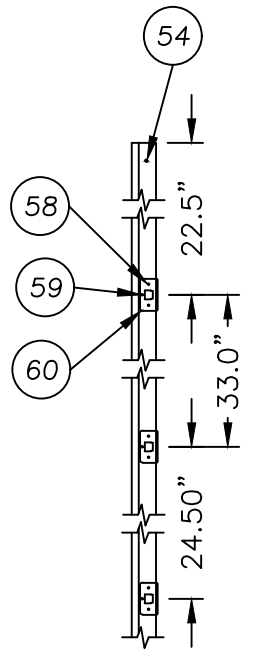
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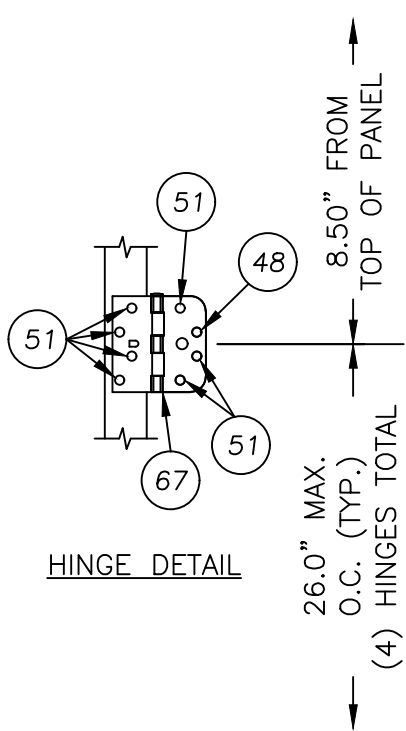
BUCK ANCHORING



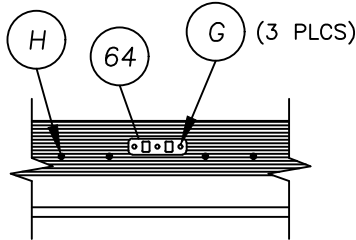
FRAME ANCHORING



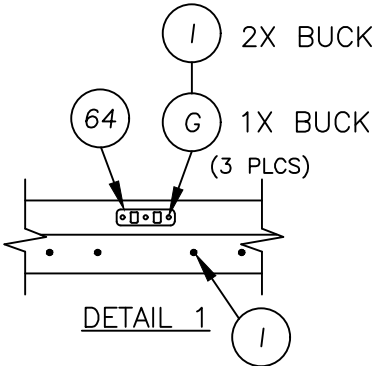
STRIKE PLATE LOCATIONS



HINGE DETAIL



DETAIL 2



DETAIL 1

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	3/16"	1-3/4"	1"	1-1/8"
ULTRACON [®]	1/4"	1-1/4"	1"	4"
ITW TAPCON [®]	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.

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:

ENDURA
MULTI-POINT LOCK SET

PART OR ASSEMBLY:

BUCK & FRAME
ANCHORING

LFS

FBC

LFS

FBC

LFS

FBC

LFS

FBC

LFS

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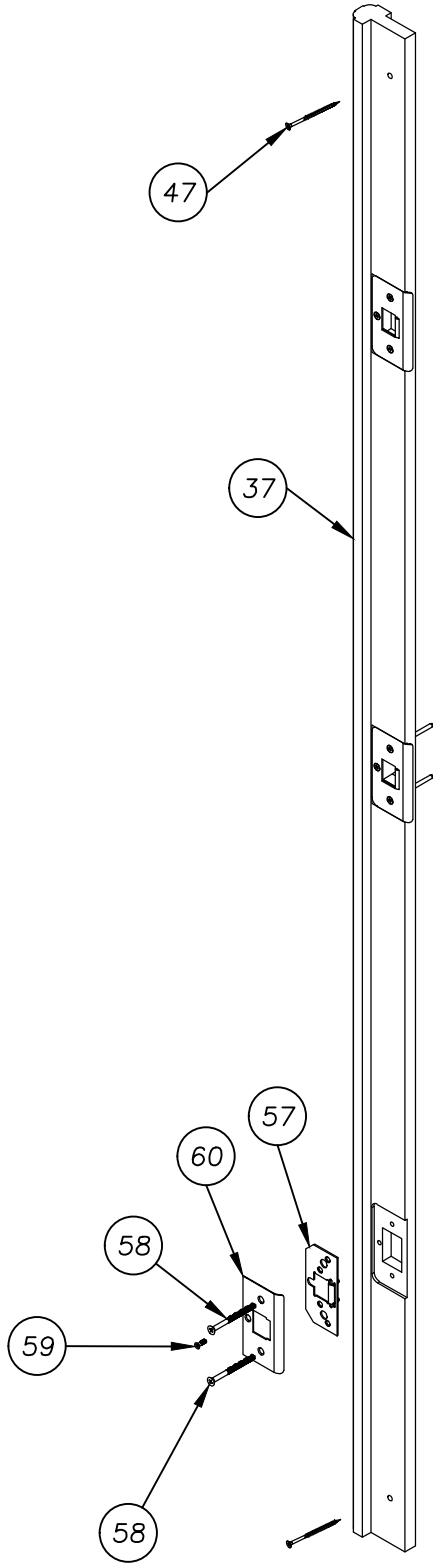
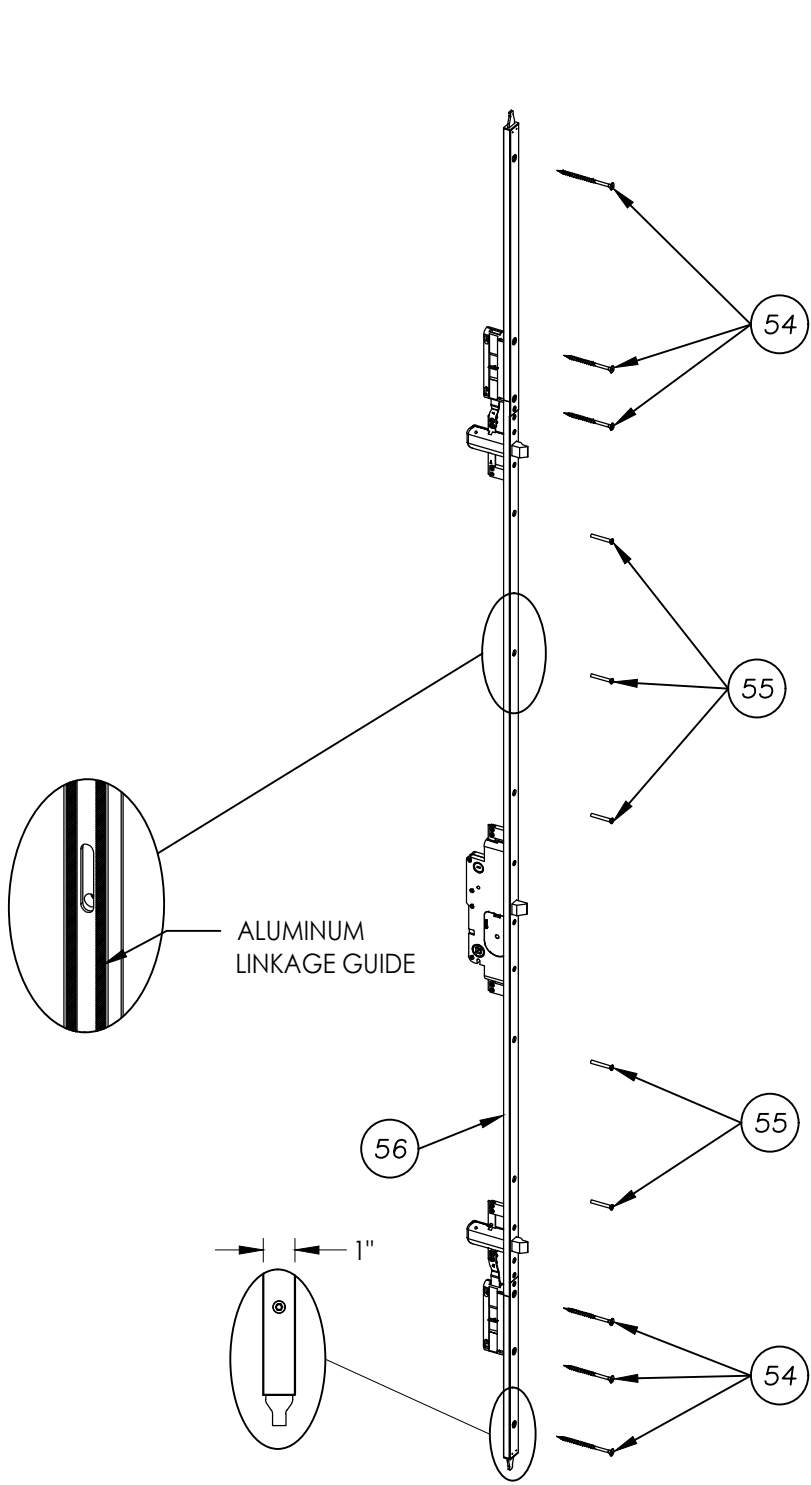
FBC

LFS

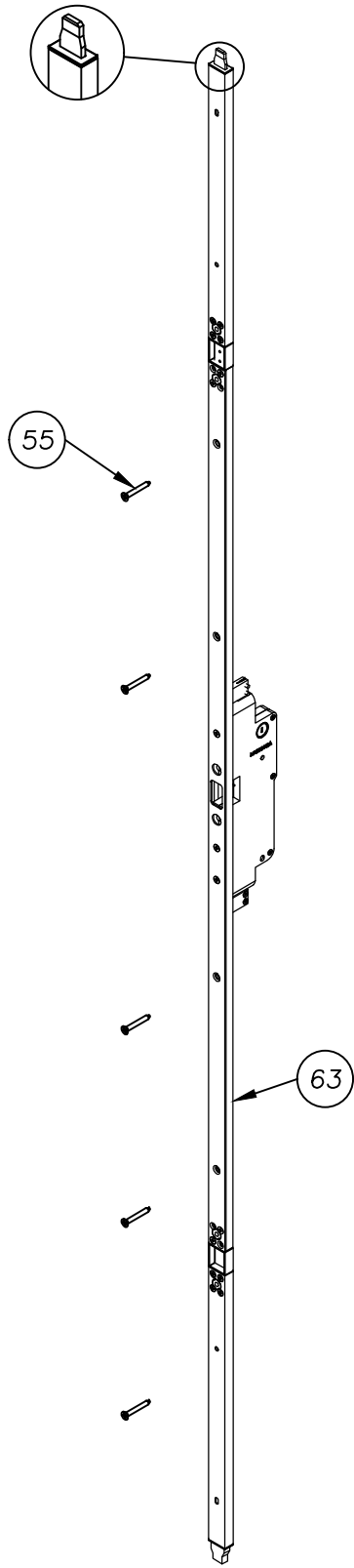
FBC

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FBPE Registry No. 9813

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5 POINT LOCK



DATE: 3/29/12	
SCALE: N.T.S.	
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.: FL-15384.5	
SHEET 6	OF 8

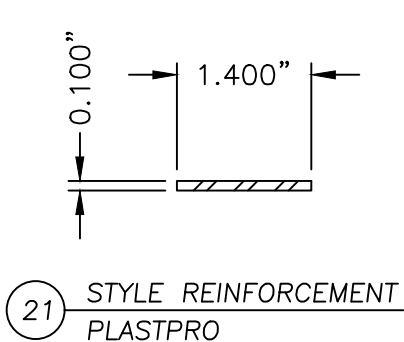
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5	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS
3	9/26/17	UPDATE TO 6TH ED. (2017) FBC LFS
2	12/07/15	REVISED COMPONENTS LFS
1	3/28/15	UPDATE TO 5TH ED. (2014) FBC JK
NO.	DATE	BY

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

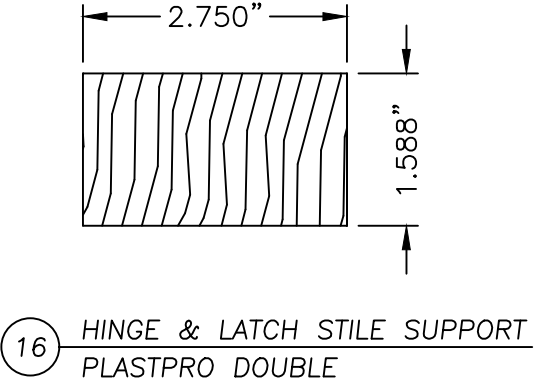
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

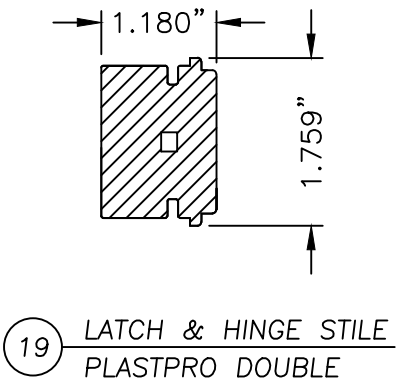
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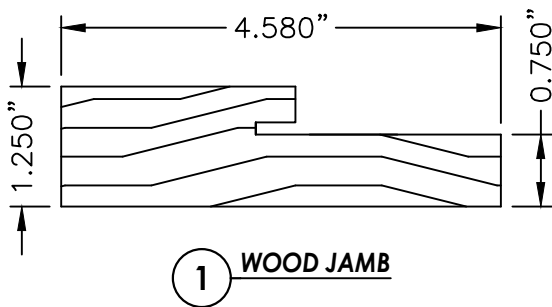
21 STYLE REINFORCEMENT
PLASTPRO



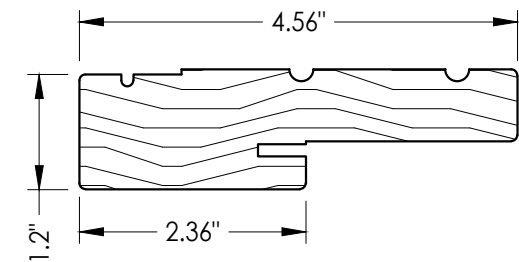
16 HINGE & LATCH STILE SUPPORT
PLASTPRO DOUBLE



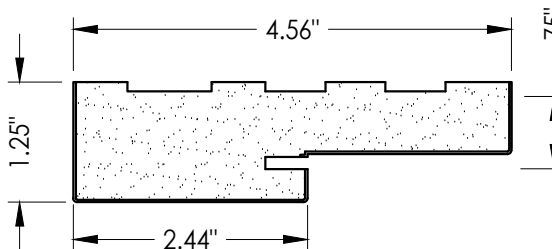
19 LATCH & HINGE STILE
PLASTPRO DOUBLE



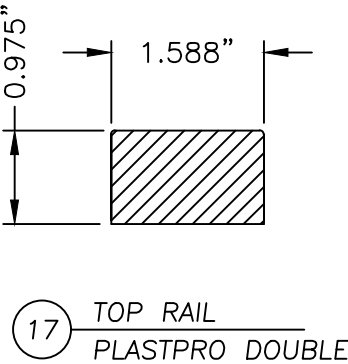
1 WOOD JAMB



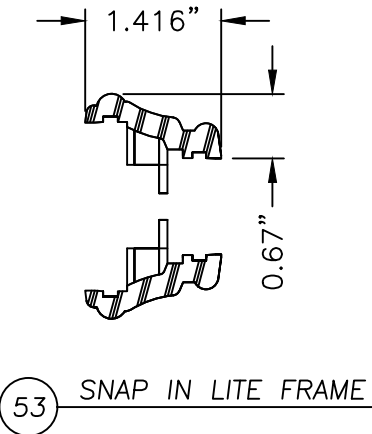
1A WOOD JAMB
FrameSaver (Endura)



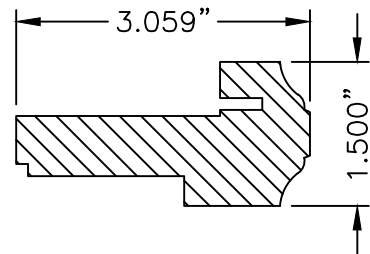
2 POLY FIBER JAMB
(JM EAGLE)



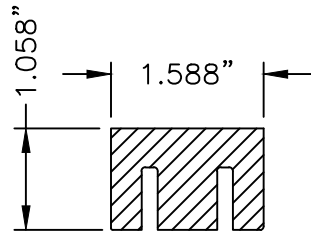
17 TOP RAIL
PLASTPRO DOUBLE



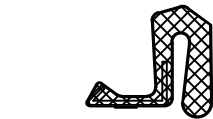
53 SNAP IN LITE FRAME



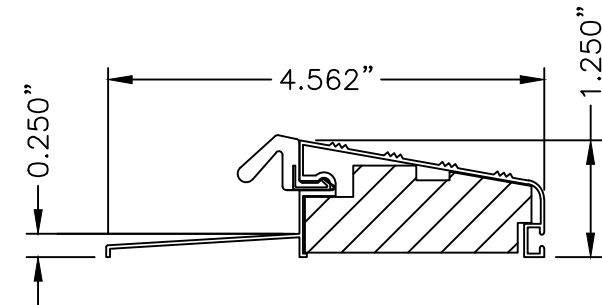
26 ASTRAGAL
PLASTPRO DOUBLE



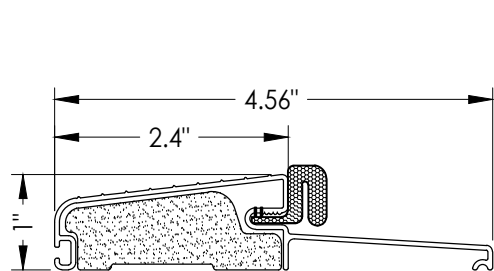
18 BOTTOM RAIL
PLASTPRO DOUBLE



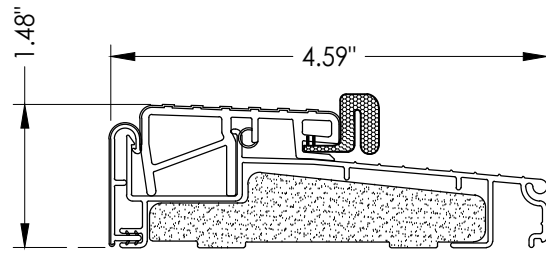
20 WEATHER-STRIP
PLASTPRO



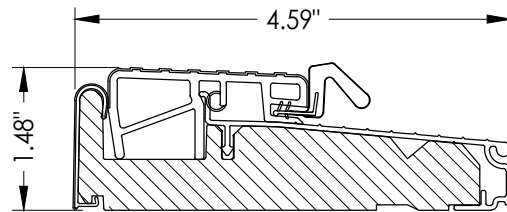
23 OUTSWING THRESHOLD
Plastpro



74 OUTSWING THRESHOLD
Endura (Z-Series)



75 OUTSWING THRESHOLD
Endura (Z-Series)



76 OUTSWING THRESHOLD
Endura (Z-Series)

Documents Prepared By:

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:
ENDURA
MULTI-POINT LOCK SET

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
6	7/01/26	UPDATE TO 9TH ED. (2026) FBC
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC
4	8/03/20	UPDATE TO 7TH ED. (2020) FBC
3	9/26/17	UPDATE TO 6TH ED. (2017) FBC
2	12/07/15	REVISED COMPONENTS
1	3/28/15	UPDATE TO 5TH ED. (2014) FBC
NO.	DATE	BY

DATE: 3/29/12

SCALE: N.T.S.

DWG. BY: JK

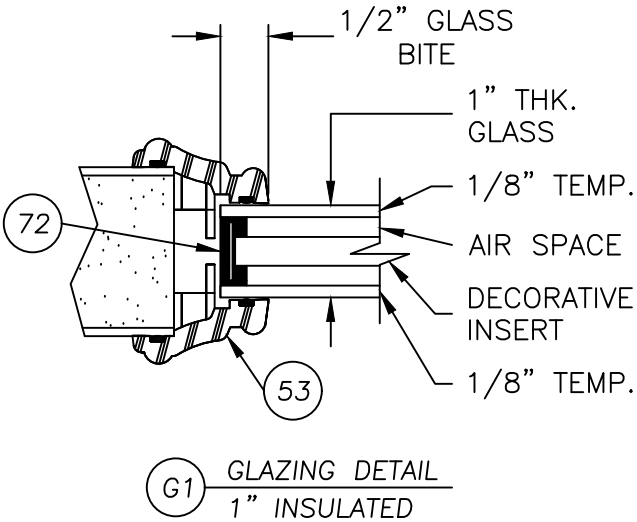
CHK. BY: LFS

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SHEET 7 OF 8

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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 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	1X BUCK SG >= 0.55	WOOD
F	1/4" X 3–3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3–1/4" PFH DeWALT 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	STEEL
1	FINGER JOINTED PINE JAMB	WOOD
1A	FINGER JOINTED PINE JAMB (FrameSaver)	WOOD/COMP
2	POLY FIBER JAMB (JM EAGLE)	COMP
16	HINGE & LATCH STILE SUPPORT (PLASTPRO)	WOOD
17	TOP RAIL (PLASTPRO)	PVC
18	BOTTOM RAIL (PLASTPRO)	PVC
19	LATCH & HINGE STILE (PLASTPRO)	PVC
20	SCHLEGEL Q–LON WEATHERSTRIP (PLASTPRO)	FOAM
21	STILE SUPPORT REINFORCEMENT (PLASTPRO)	STEEL
23	OUTSWING BUMP THRESHOLD (PLASTPRO)	AL./WOOD
24	DOOR SKIN (PLASTPRO DOUBLE) (.091" SKIN THICKNESS)	FIBERGLASS
25	FOAM CORE (PLASTPRO)	POLYURETH.
26	ASTRAGAL	PVC
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
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
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

RW BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

PRODUCT:
ENDURA
MULTI–POINT LOCK SET

PART OR ASSEMBLY:
BILL OF MATERIALS
& GLAZING DETAIL

6	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
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–15384.5

SHEET 8 OF 8