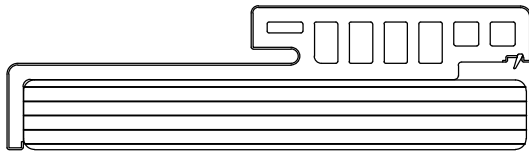
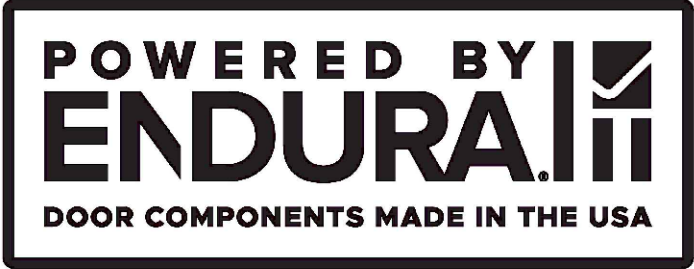
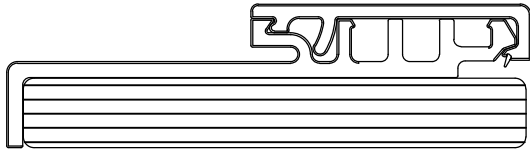


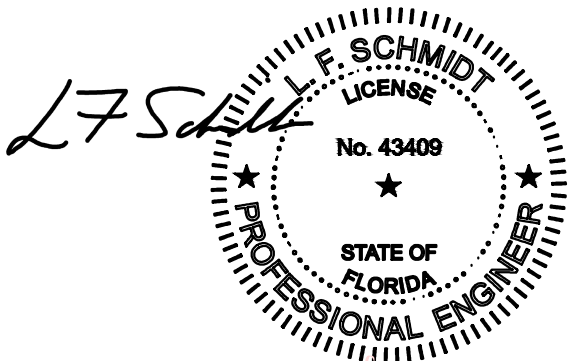
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HEAD or SIDE JAMB
(1-PIECE)



SIDE JAMB
(2-PIECE)



Digitally signed by Lyndon F Schmidt
Date: 2023.07.12 10:36:14 -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

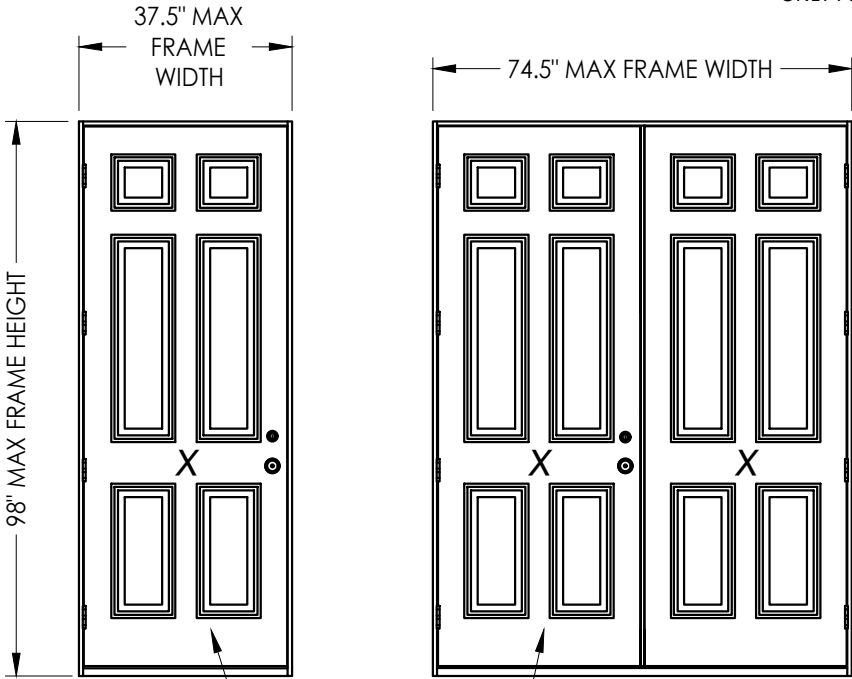
"FusionFrame" Door Jamb

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 FBC and does not require an impact resistant covering.
4. This "IMPACT" door jamb, as a component, is to be used as a substitute for a similar component in an impact approved continuous head & sill (complies with Section 1626 of the FBC) door system possessing a current Florida Statewide Product Approval (Including the "HVHZ").
5. The design pressure of the assembly shall be the lesser of the design pressure for the component assembly shown in this approval or the design pressure of the system assembly used in conjunction with this approval.
6. The maximum frame size of the door assembly shall be lesser of the maximum frame size stated in this approval or the maximum frame size of the system assembly approval used in conjunction with this approval.
7. Refer to the separate Florida Product Approval for the swing door used in conjunction with this component approval to determine the ability of the system to meet the water infiltration requirements for the "HVHZ".
8. Air and water infiltration qualifications to be reviewed by the Building Official.
9. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
10. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.



SWING DOOR
UNDER SEPARATE
APPROVAL

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 98.0"	+60.0	-65.0	+60.0	-60.0
XX	74.5" x 98.0"	+50.0	-50.0	+50.0	-50.0

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Elevations
3	Horizontal & Vertical Cross Sections (2X Buck)
4	Horizontal & Vertical Cross Sections (1X Buck)
5	Horizontal & Vertical Cross Sections (Direct to Masonry)
6	Buck Anchoring
7	Frame Anchoring & Hardware Details
8	Bill of Materials & Components

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

ENDURA COMPONENTS

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

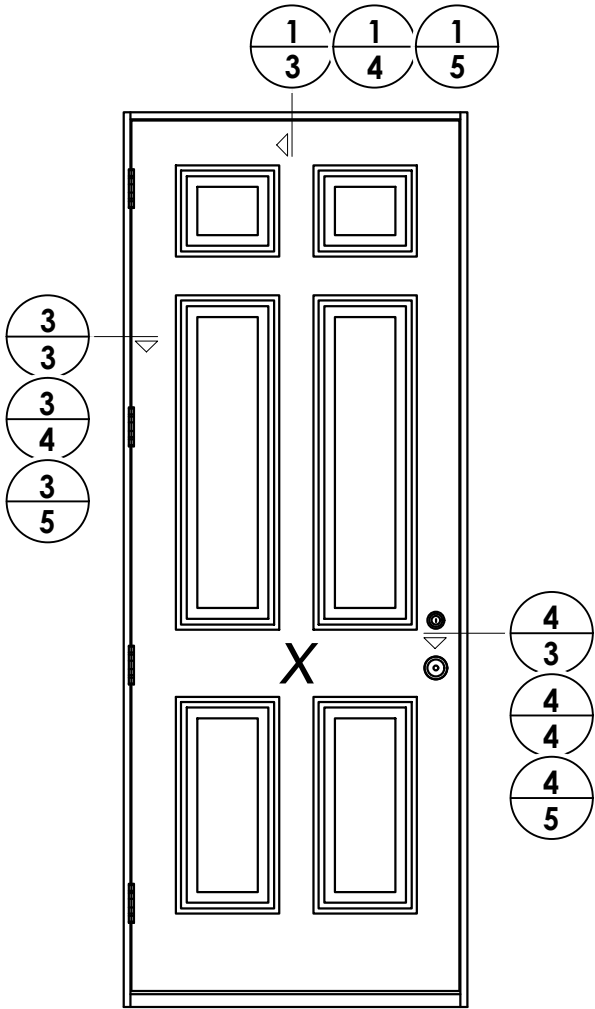
3	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
2	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
1	8/12/19	REVISE DESIGN PRESSURES		LFS
NO.	DATE			BY
REVISIONS				

DATE: 4/01/19
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-25610.11
SHEET 1 OF 8

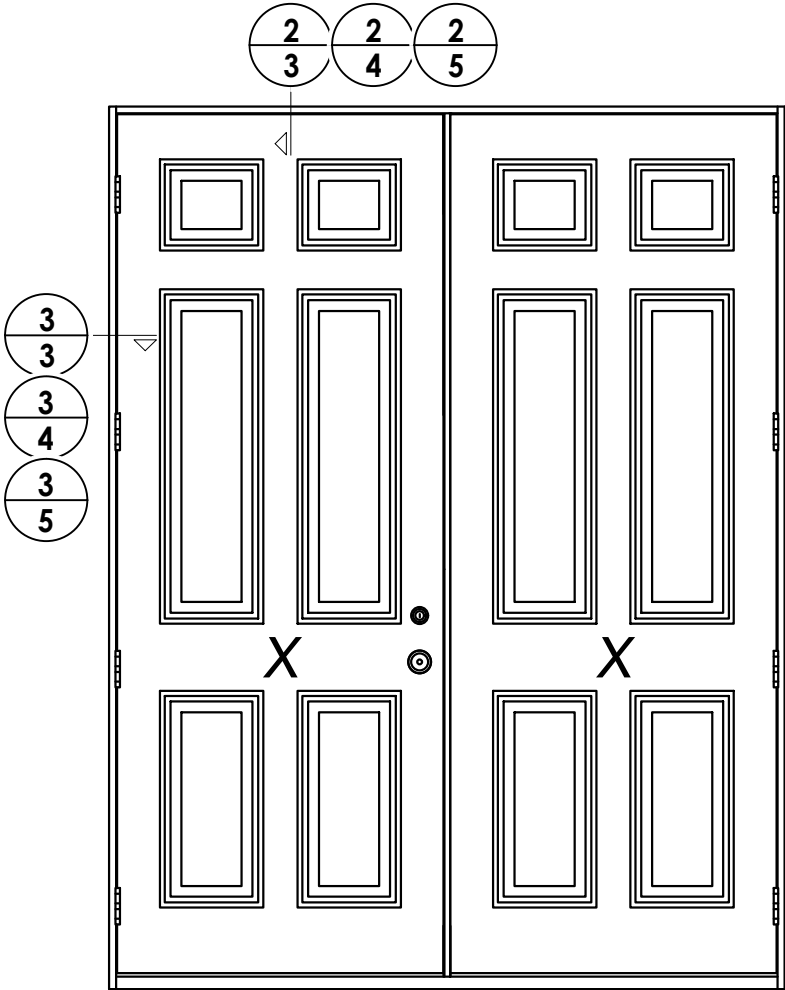
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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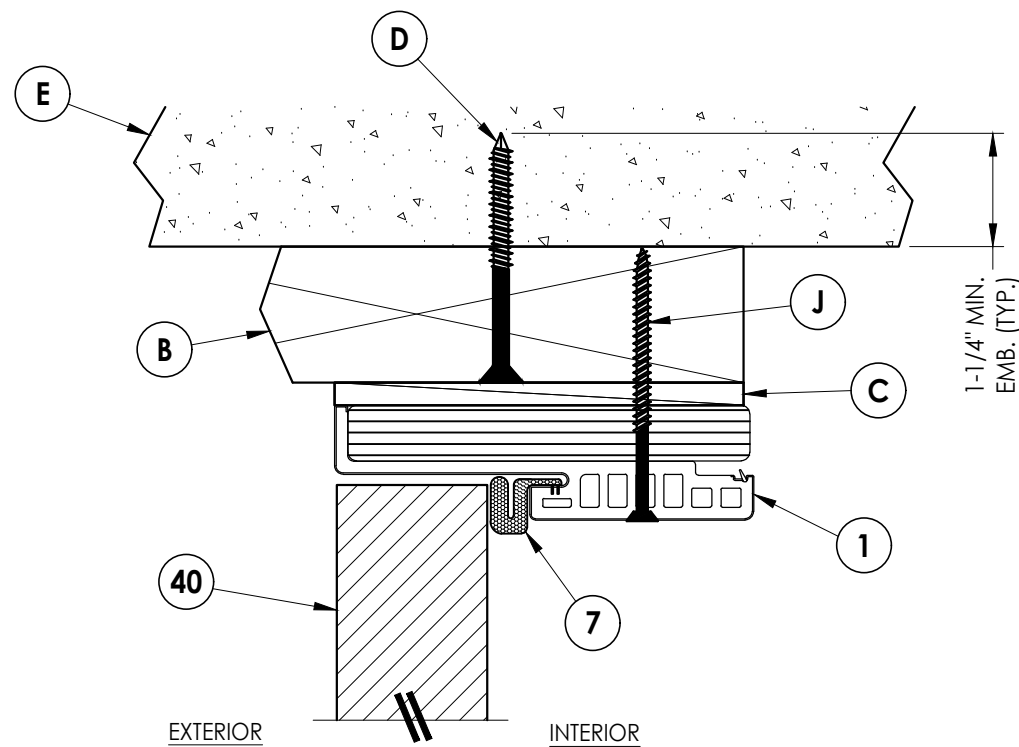


SINGLE DOOR ELEVATION

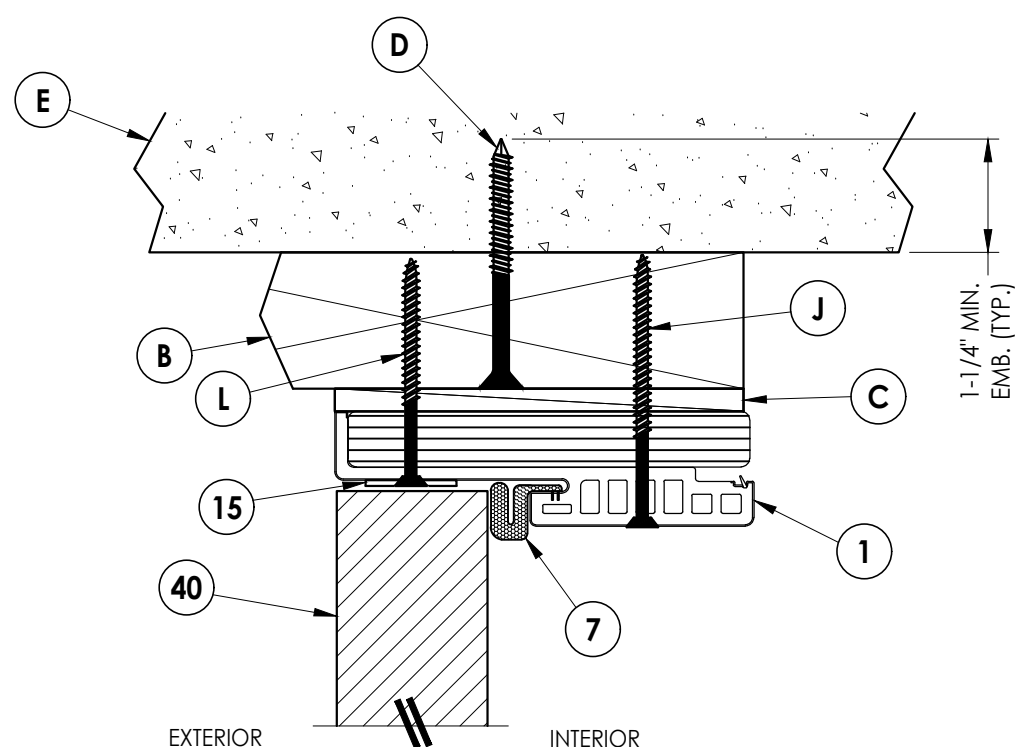


DOUBLE DOOR ELEVATION

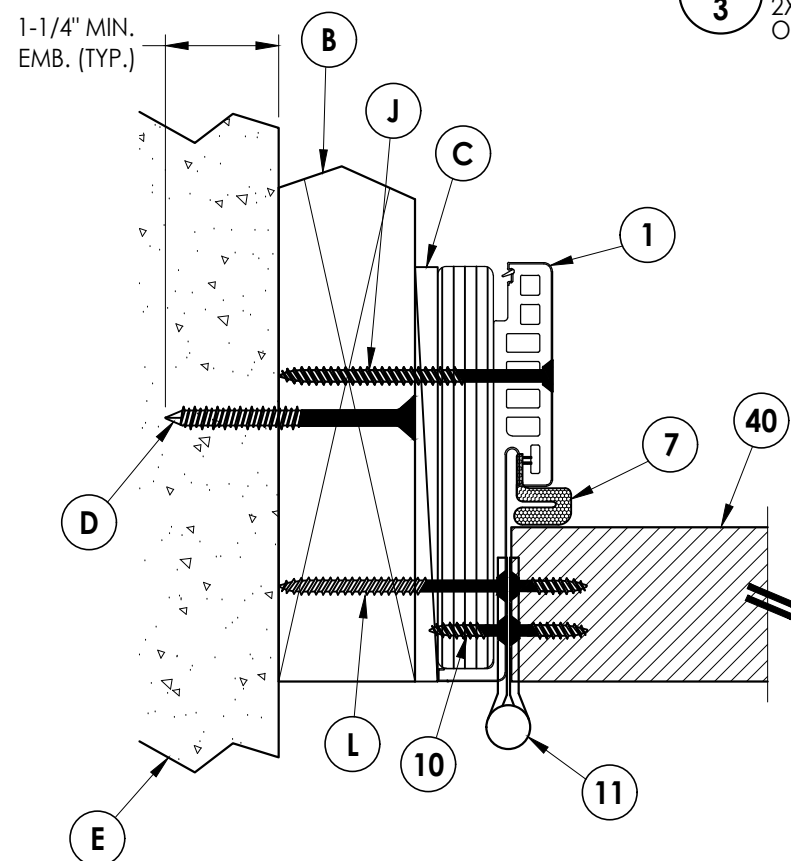
DATE: 4/01/19		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-25610.11			
SHEET 2 OF 8			
		PRODUCT: ENDURA COMPONENTS	
		PART OR ASSEMBLY: ELEVATIONS	
3	7/06/23	UPDATE TO 8TH ED. (2023) FBC	LFS
2	8/03/20	UPDATE TO 7TH ED. (2020) FBC	LFS
1	8/12/19	REVISE DESIGN PRESSURES	LFS
NO.	DATE		BY
		REVISIONS	



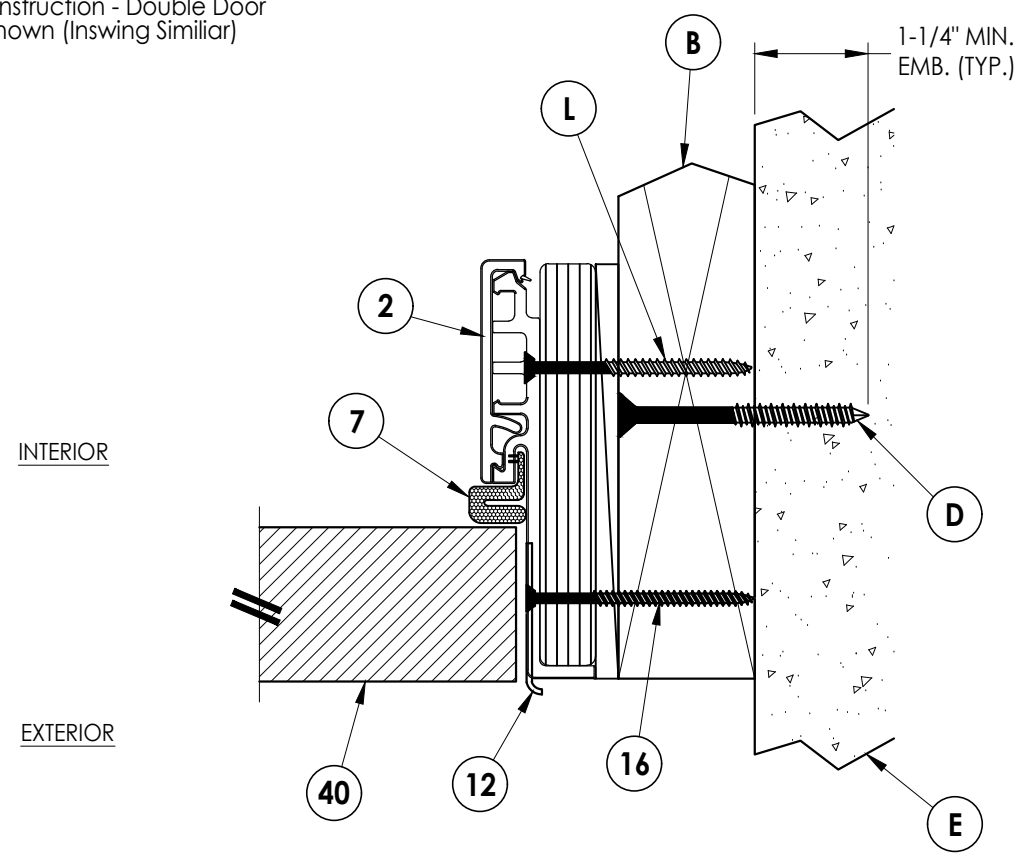
1 **VERTICAL CROSS SECTION**
3 2X Buck Construction - Single Door
Outswing Shown (Inswing Similar)



2 VERTICAL CROSS SECTION
3 2X Buck Construction - Double Door
 Outswing Shown (Inswing Similar)



3 HORIZONTAL CROSS SECTION
2X Buck Construction
Outswing Shown (Inswing Similar)

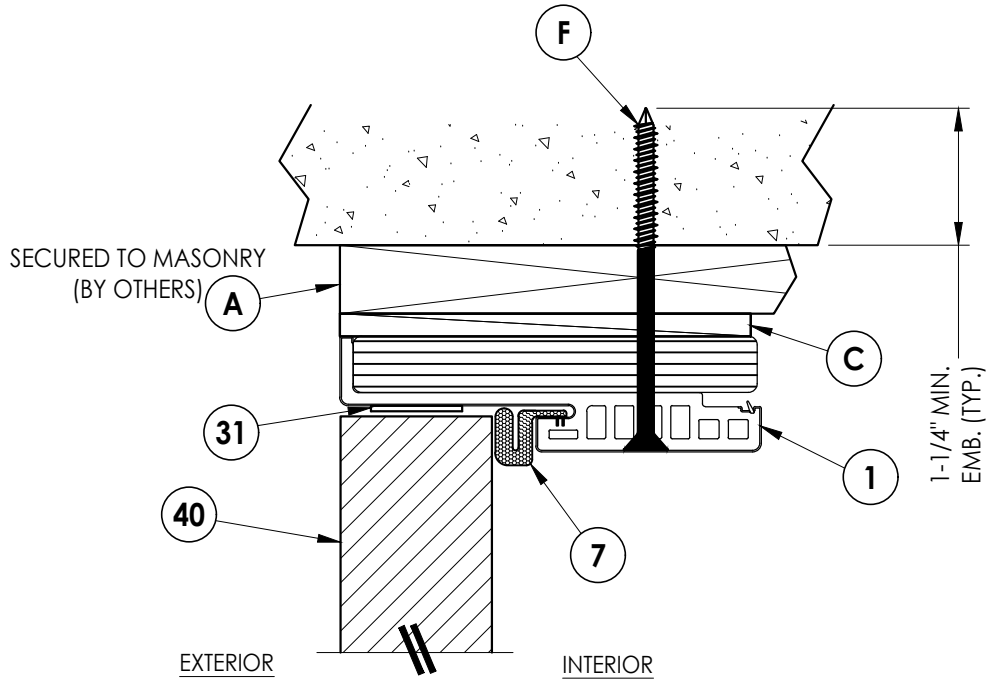


4 **HORIZONTAL CROSS SECTION**
3 2X Buck Construction
 Outswing Shown (Inswing Similar)

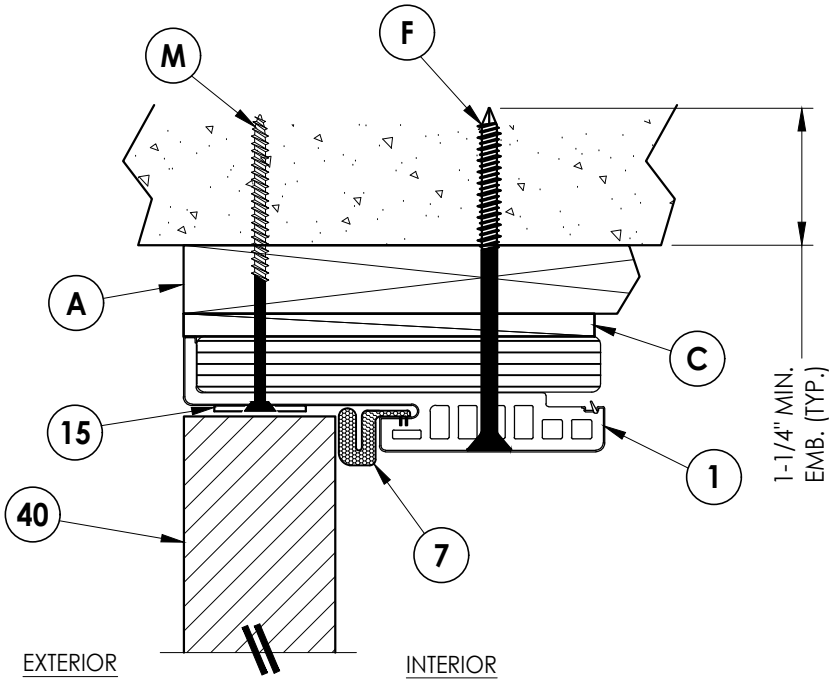
NOTE:
SEE SEPARATE SIDE-HINGED DOOR PRODUCT APPROVAL FOR
DOOR CONSTRUCTION DETAILS NOT SHOWN, INCLUDING LOCK
HARDWARE, ASTRAGAL, HINGE & THRESHOLD CONNECTIONS.

[illegible]

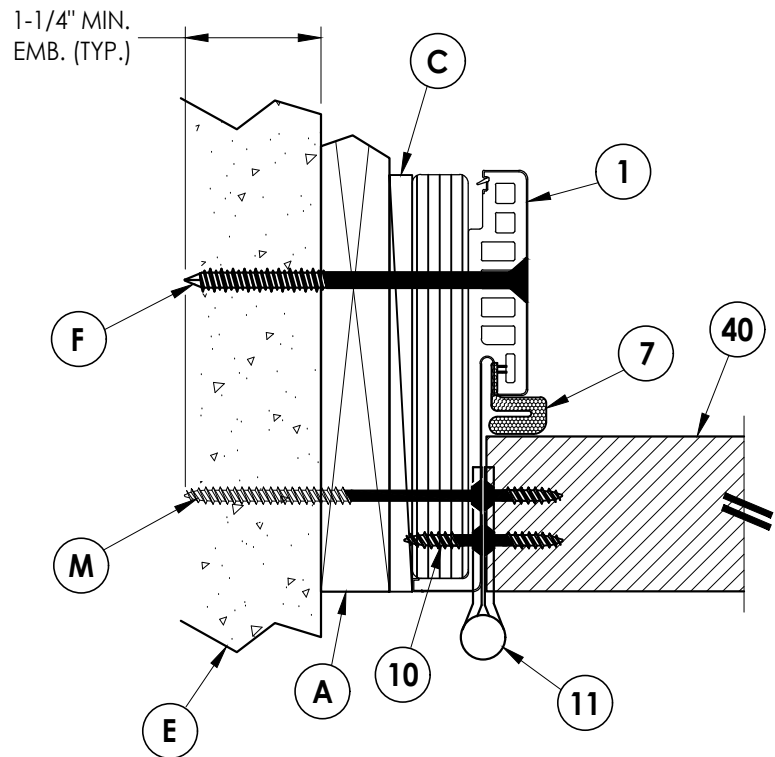
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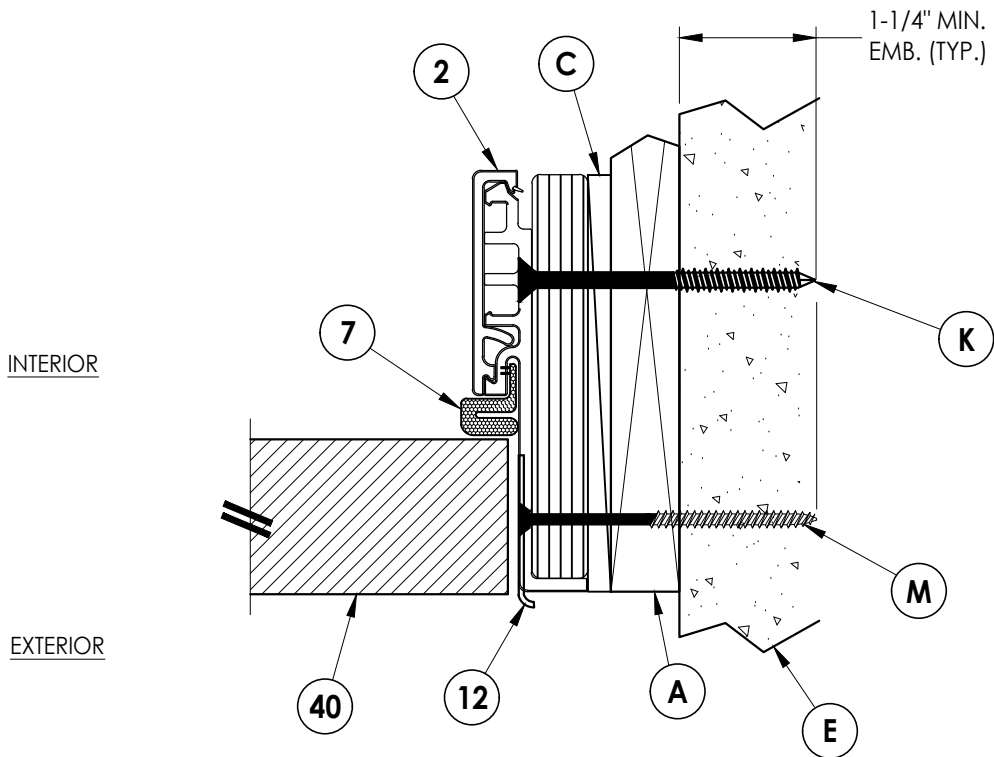
1
4 **VERTICAL CROSS SECTION**
2X Buck Construction - Single Door
Outswing Shown (Inswing Similar)



2
4 **VERTICAL CROSS SECTION**
1X Buck Construction - Double Door
Outswing Shown (Inswing Similar)



3
4 **HORIZONTAL CROSS SECTION**
1X Buck Construction
Outswing Shown (Inswing Similar)



4
4 **HORIZONTAL CROSS SECTION**
1X Buck Construction
Outswing Shown (Inswing Similar)

NOTE:
SEE SEPARATE SIDE-HINGED DOOR PRODUCT APPROVAL FOR
DOOR CONSTRUCTION DETAILS NOT SHOWN, INCLUDING LOCK
HARDWARE, ASTRAGAL, HINGE & THRESHOLD CONNECTIONS.

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	ENDURA COMPONENTS	
	PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	

NO.	DATE	REVISIONS		
		BY	LFS	FBC
3	7/06/23	UPDATE TO 8TH ED.	(2023)	FBC
2	8/03/20	UPDATE TO 7TH ED.	(2020)	FBC
1	8/12/19	REVISE DESIGN PRESSURES	LFS	

DATE: 4/01/19

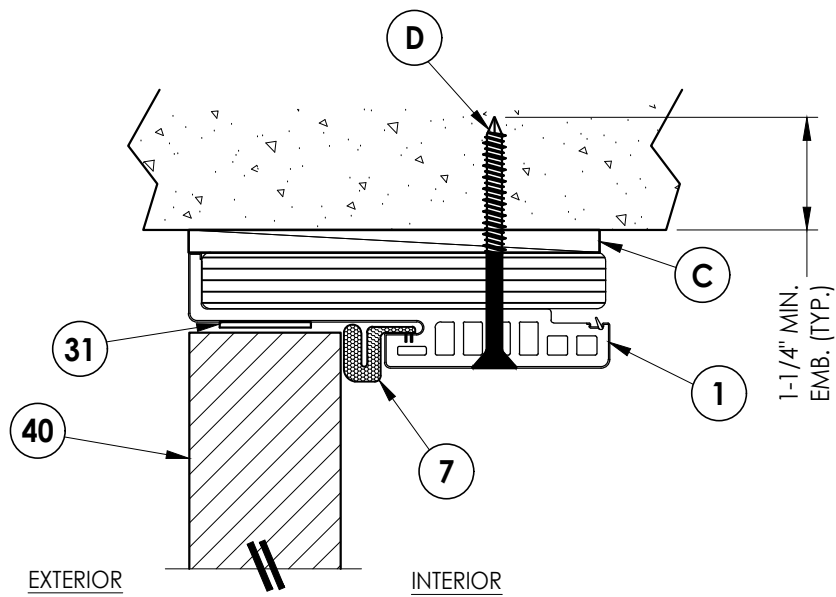
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DWG. BY: RW

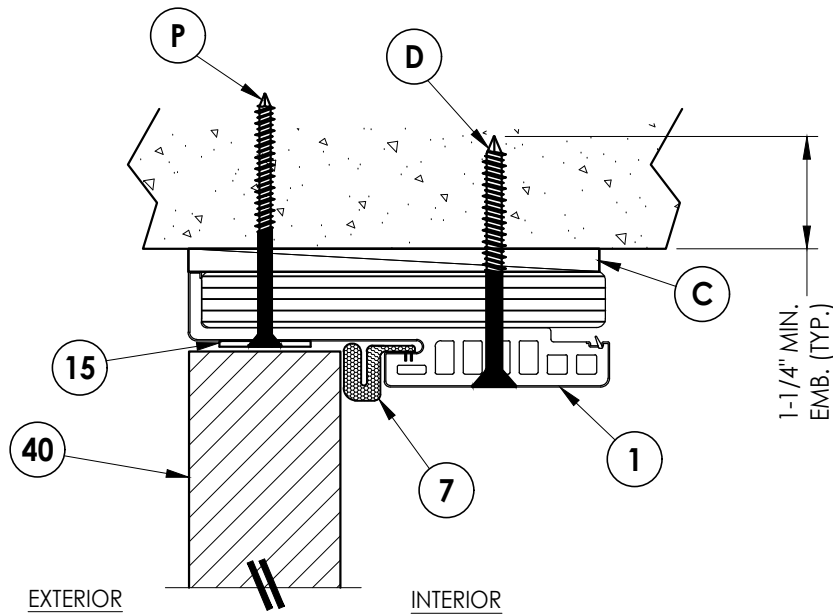
CHK. BY: LFS

DRAWING NO.: FL-25610.11

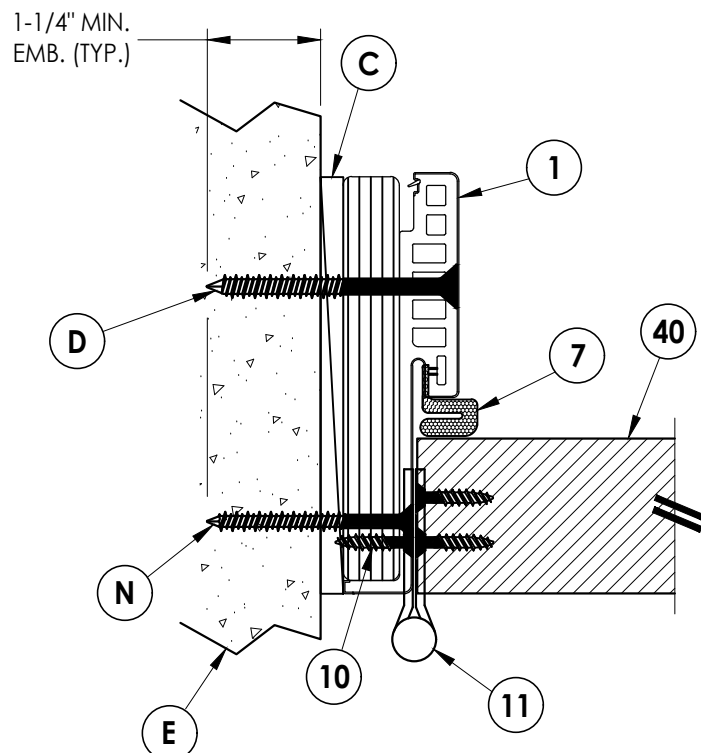
SHEET 4 OF 8



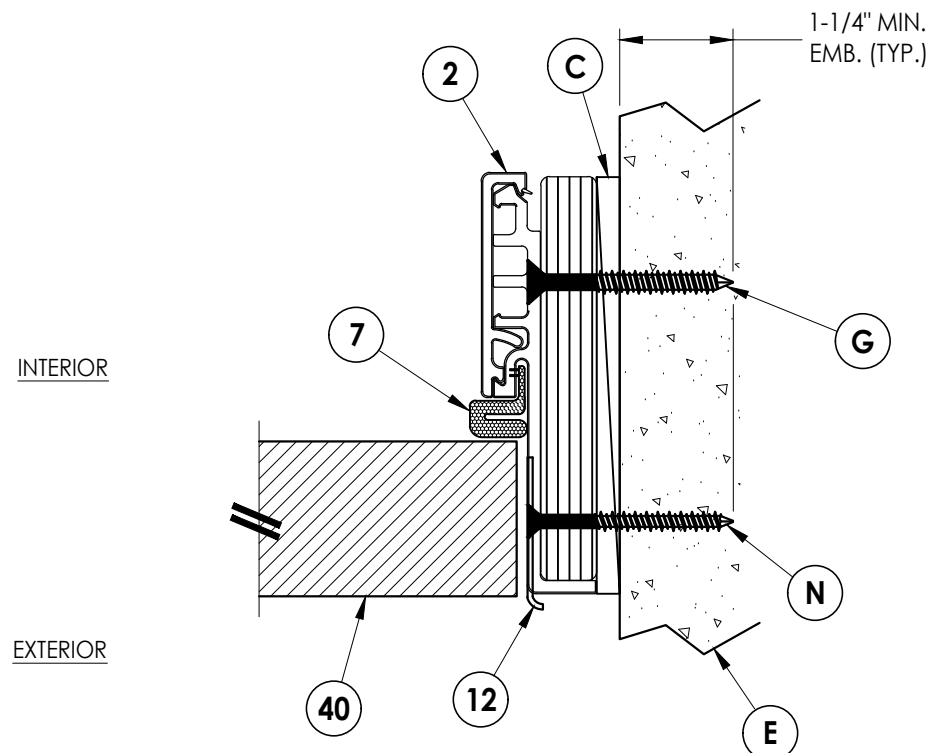
1
5 **VERTICAL CROSS SECTION**
Direct to Masonry - Single Door
Outswing Shown (Inswing Similiar)



2
5 **VERTICAL CROSS SECTION**
Direct to Masonry - Double Door
Outswing Shown (Inswing Similiar)



3
5 **HORIZONTAL CROSS SECTION**
Direct to Masonry
Outswing Shown (Inswing Similiar)



4
5 **HORIZONTAL CROSS SECTION**
Direct to Masonry
Outswing Shown (Inswing Similiar)

NOTE:
SEE SEPARATE SIDE-HINGED DOOR PRODUCT APPROVAL FOR
DOOR CONSTRUCTION DETAILS NOT SHOWN, INCLUDING LOCK
HARDWARE, ASTRAGAL, HINGE & THRESHOLD CONNECTIONS.

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

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Phone No.: 813.659.9197
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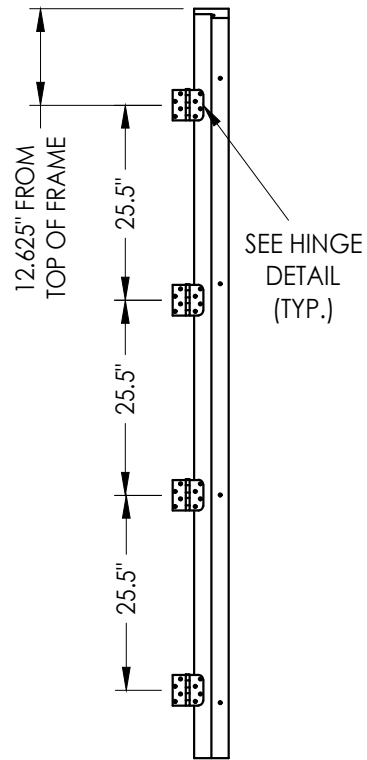
PRODUCT: ENDURA COMPONENTS
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)

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	8/12/19	REVISE DESIGN PRESSURES LFS

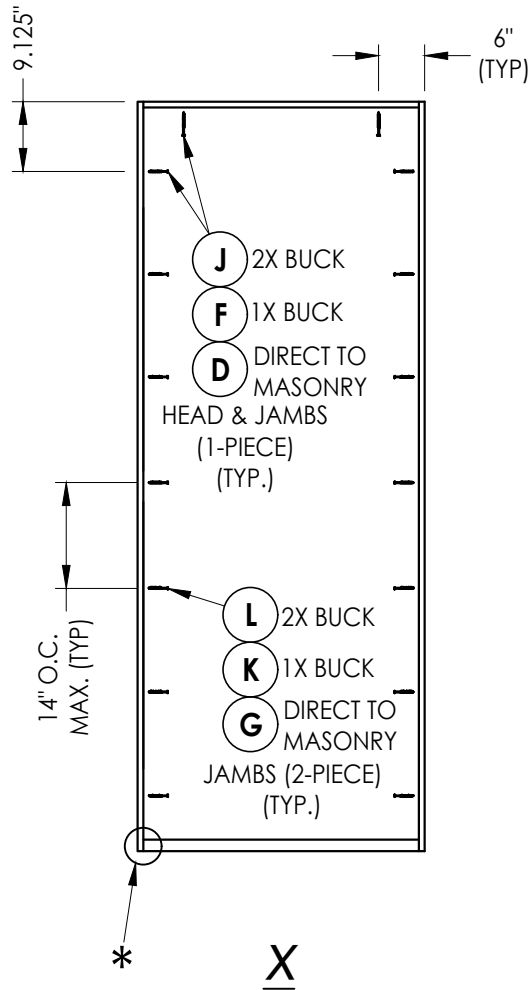
DATE: 4/01/19
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-25610.11
SHEET 5 OF 8

*NOTE: FRAME CORNERS ATTACHED w/
(3) #7 X 2" FH WOOD SCREWS (TYP.)

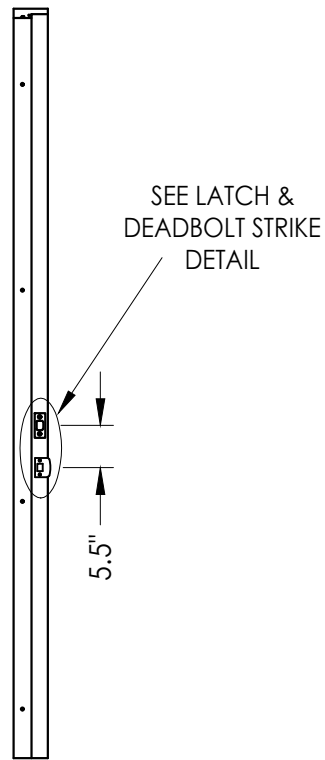
JAMB NOTE:
THE "FusionFrame" 1-PIECE JAMB MAY BE INSTALLED @ THE HEAD OR SIDE
JAMB. THE 2-PIECE JAMB MAY BE INSTALLED @ THE SIDE JAMBS ONLY.



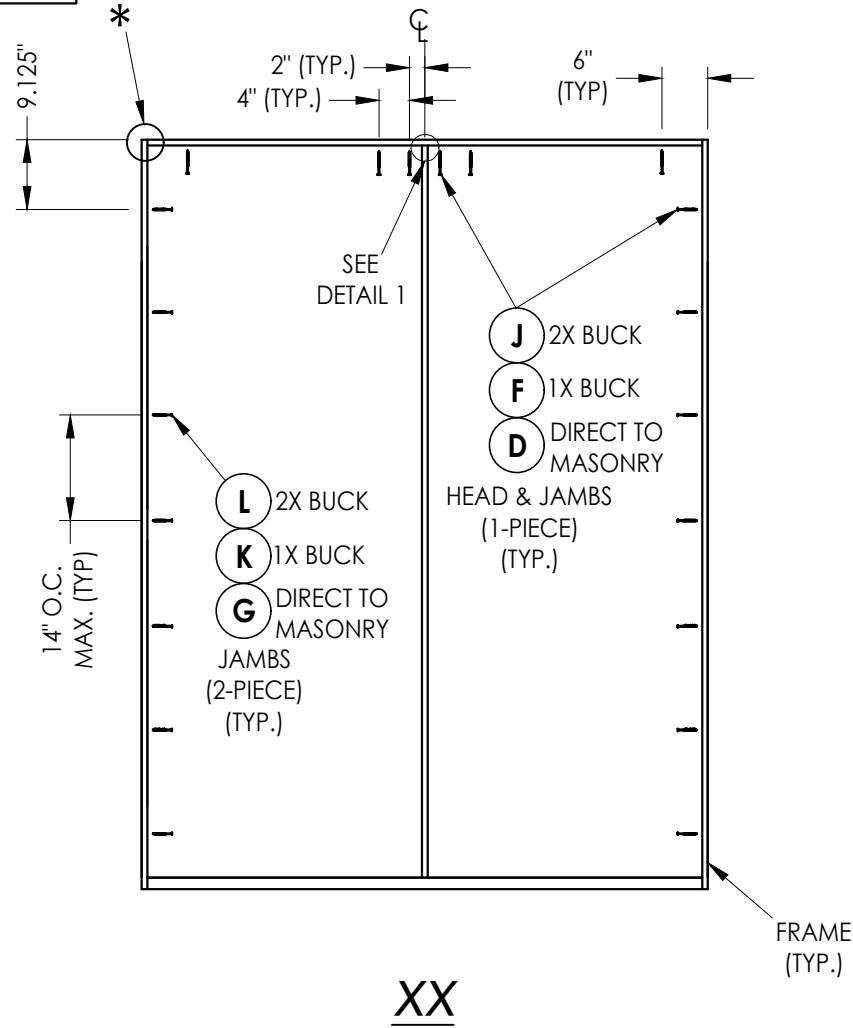
HINGE JAMB



X

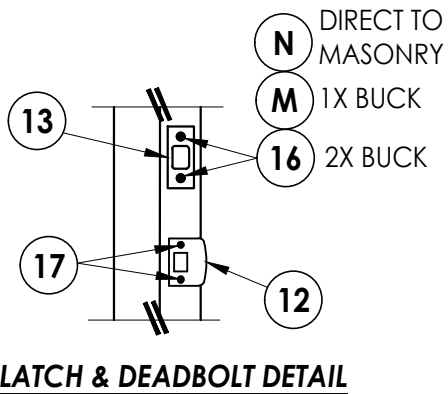
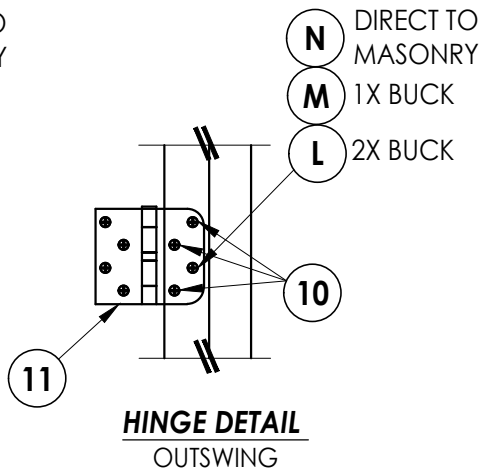
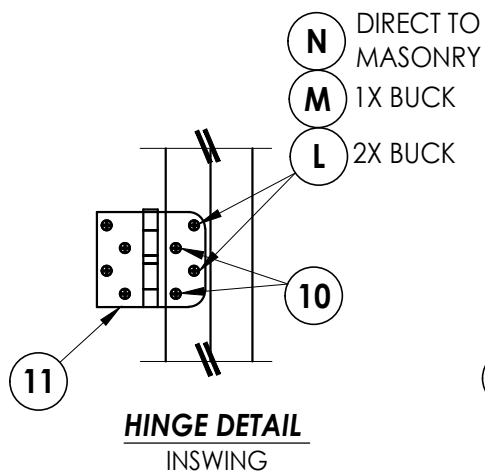


STRIKE JAMB

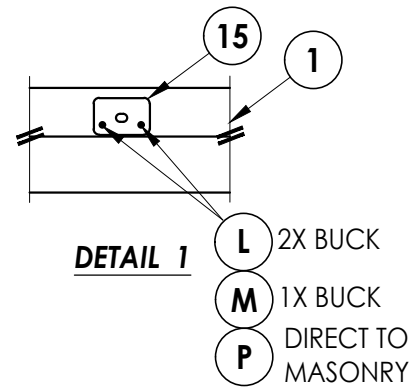


XX

FRAME ANCHORING



LATCH & DEADBOLT DETAIL



DETAIL 1

NOTE:
SEE SEPARATE SIDE-HINGED DOOR PRODUCT APPROVAL FOR
DOOR CONSTRUCTION DETAILS NOT SHOWN, INCLUDING LOCK
HARDWARE, ASTRAGAL, HINGE & THRESHOLD CONNECTIONS.

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT:
ENDURA
COMPONENTS

PART OR ASSEMBLY:
FRAME ANCHORING
& HARDWARE DETAILS

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	8/12/19	REVISE DESIGN PRESSURES LFS

DATE: 4/01/19

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-25610.11

SHEET 7 OF 8

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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	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	#10 X 3" PFH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
K	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
M	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
N	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
P	3/16" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL
1	HEAD/SIDE JAMB (1-PIECE) (ENDURA "FusionFrame")	COMP/LVL
2	SIDE JAMB (2-PIECE) (ENDURA "FusionFrame")	COMP/LVL
7	WEATHERSTRIP	FOAM
10	#9 X 3/4" PFH WOOD SCREW	STEEL
11	4" X 4" HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
15	ASTRAGAL SHOOTBOLT STRIKE PLATE	STEEL
16	#12 X 2-1/2" PFH WOOD SCREW	STEEL
17	#8 X 2-1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)	-

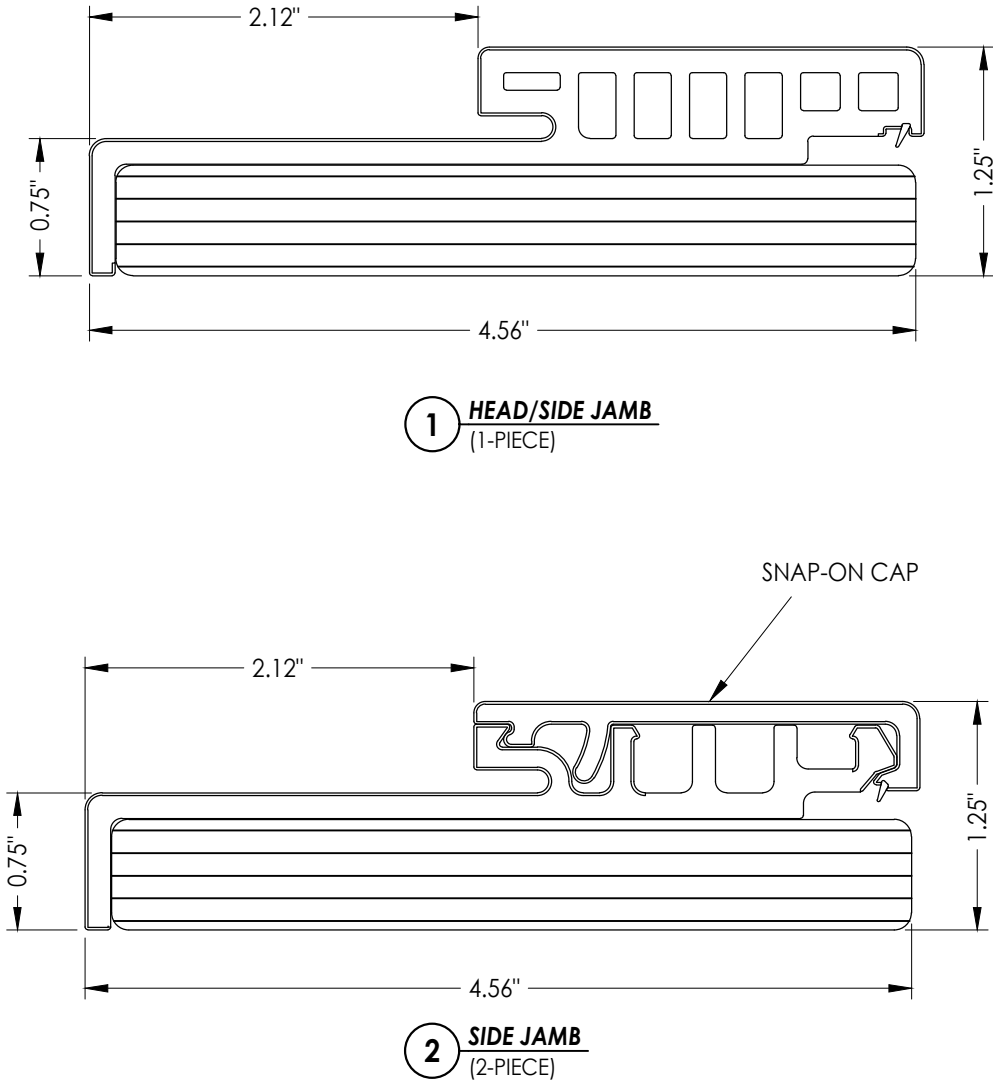
CONCRETE ANCHOR NOTES:

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®	3/16"	1-1/4"	3"	1-1/2"
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				BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT:		ENDURA COMPONENTS		PART OR ASSEMBLY:			
				BILL OF MATERIALS & COMPONENTS			
				LFS	LFS	LFS	BY
				UPDATE TO 8TH ED. (2023) FBC	UPDATE TO 7TH ED. (2020) FBC	REVISE DESIGN PRESSURES	REVISIONS
				3	2	1	NO.
				7/06/23	8/03/20	8/12/19	DATE
DATE: 4/01/19							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-25610.11							
SHEET 8 OF 8							