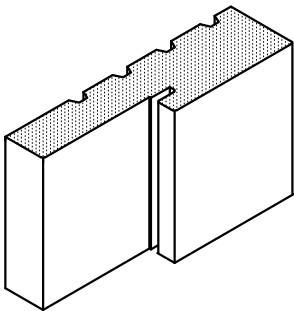


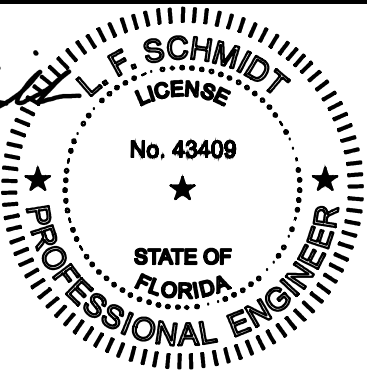


"BMI Frame"
COMPOSITE DOOR JAMB
INSWING / OUTSWING
"IMPACT"



BMI Frame
Head & Side Jamb

Digitally signed by
Lyndon F Schmidt
Date: 2023.09.26
14:03:05 -04'00'

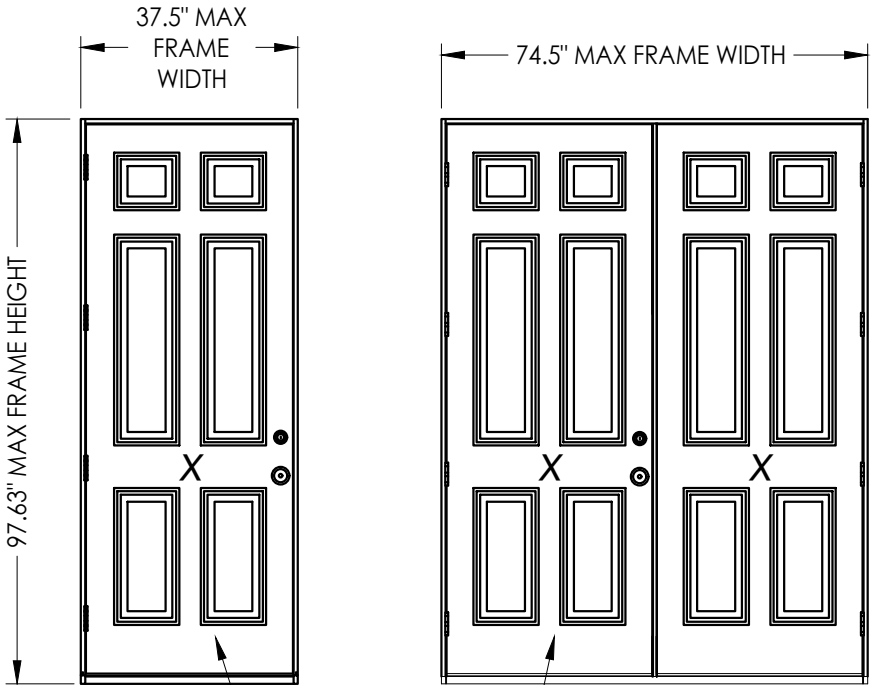


This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

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 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 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 excludes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4. This "IMPACT" door jamb, as a component, is to be used as a substitute for a similar door jamb in an impact approved (complies with FBC Sections 1609.1.2 & R301.2.1.2) door system possessing a current Florida Statewide Product Approval (excluding the "HVHZ").
5. The design pressure of the assembly shall be the lesser of the design pressure for the door jamb shown in this approval or the design pressure of the door 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 door assembly approval used in conjunction with this approval.
7. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
8. 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

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Elevations
3	Horizontal cross sections
4	Vertical cross sections
5	Buck & frame anchoring
6	Buck & frame anchoring
7	Bill of materials & components

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 97.63"	+60.0	-60.0	+60.0	-60.0
XX	74.5" x 97.63"	+45.0	-45.0	+50.0	-50.0

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

BMI COMPONENTS

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

DATE: 7/05/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-41560.3

SHEET 1 OF 7

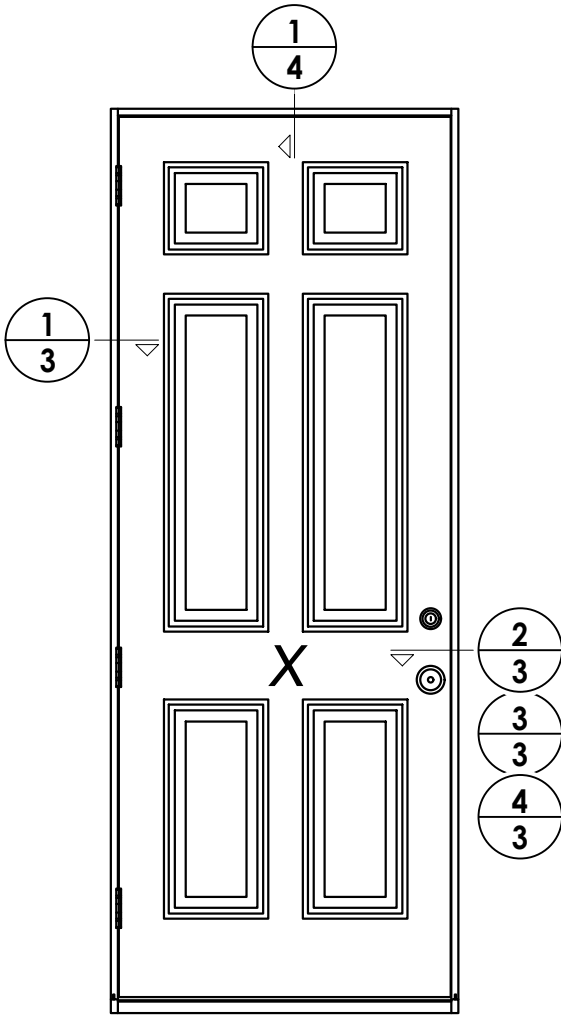
REVISIONS

NO.	DATE	DESCRIPTION
1	9/26/23	UPDATE TO 8TH ED. (2023) FBC

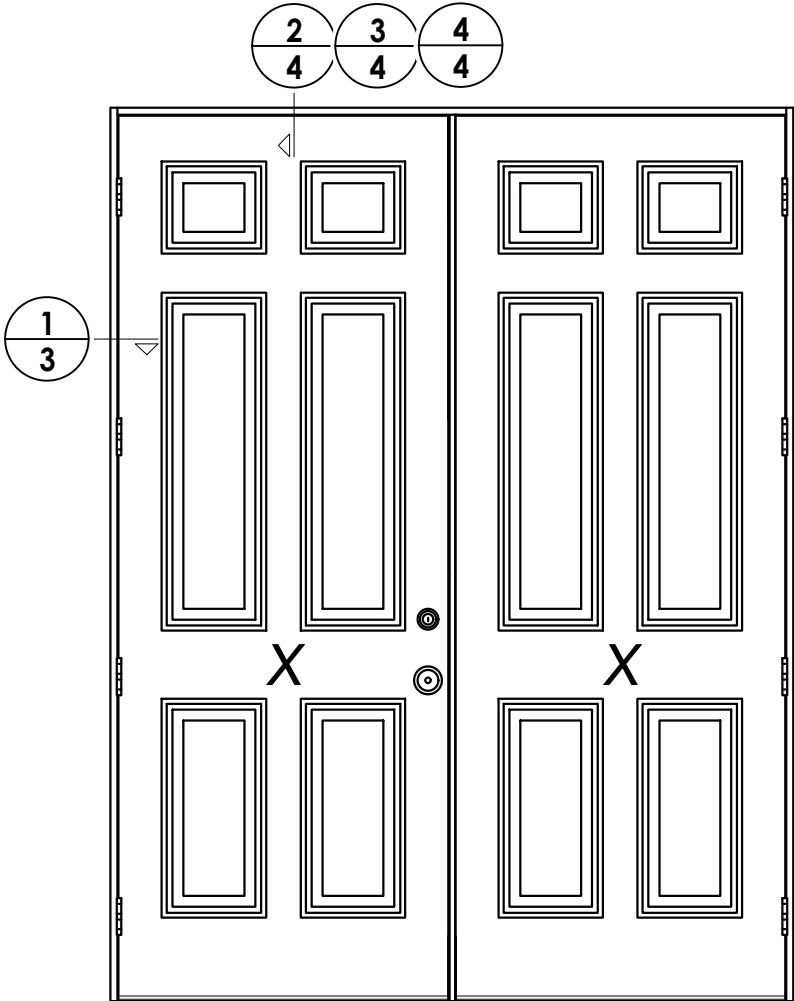
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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SINGLE DOOR ELEVATION



DOUBLE DOOR ELEVATION

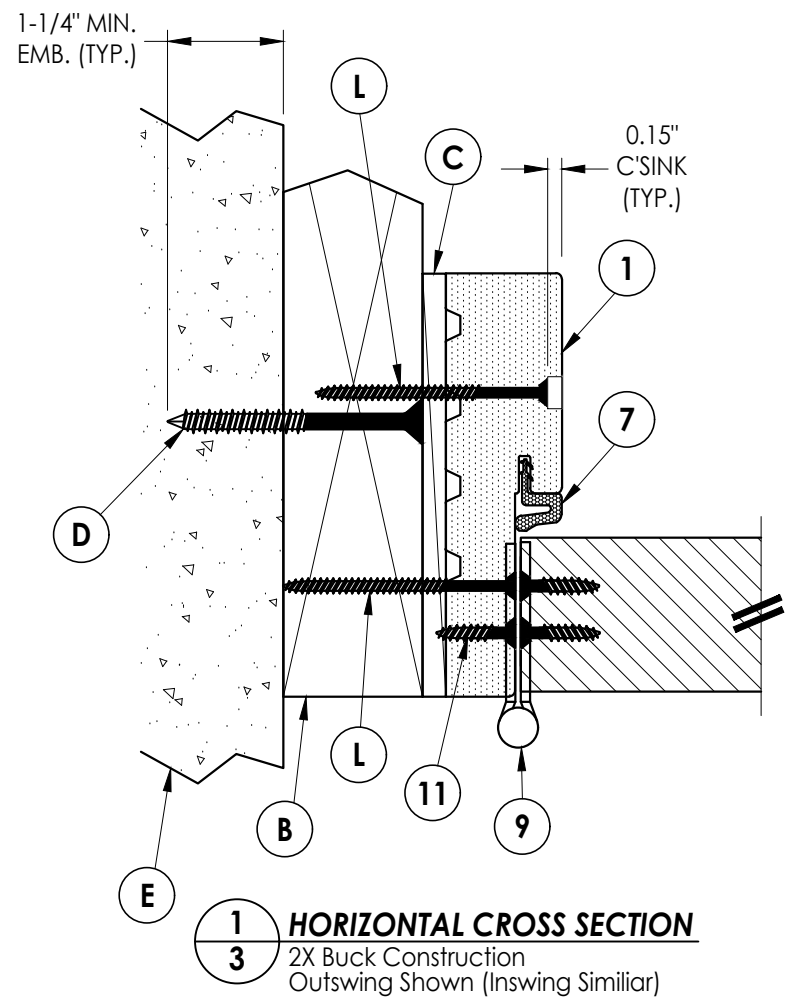
NOTE:
SEE SEPARATE SIDE-HINGED DOOR FLORIDA PRODUCT
APPROVAL FOR DOOR CONSTRUCTION DETAILS NOT
SHOWN, INCLUDING LOCK HARDWARE, HINGE,
ASTRAGAL & THRESHOLD CONNECTIONS.

DATE		NO		DATE		REVISIONS	
7/05/22		1	9/26/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	BY

DATE: 7/05/22
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-41560.3
SHEET 2 OF 7

PRODUCT:	
BMI COMPONENTS	
PART OR ASSEMBLY:	
ELEVATIONS	

Documents Prepared By:
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FBPE Registry No. 9813

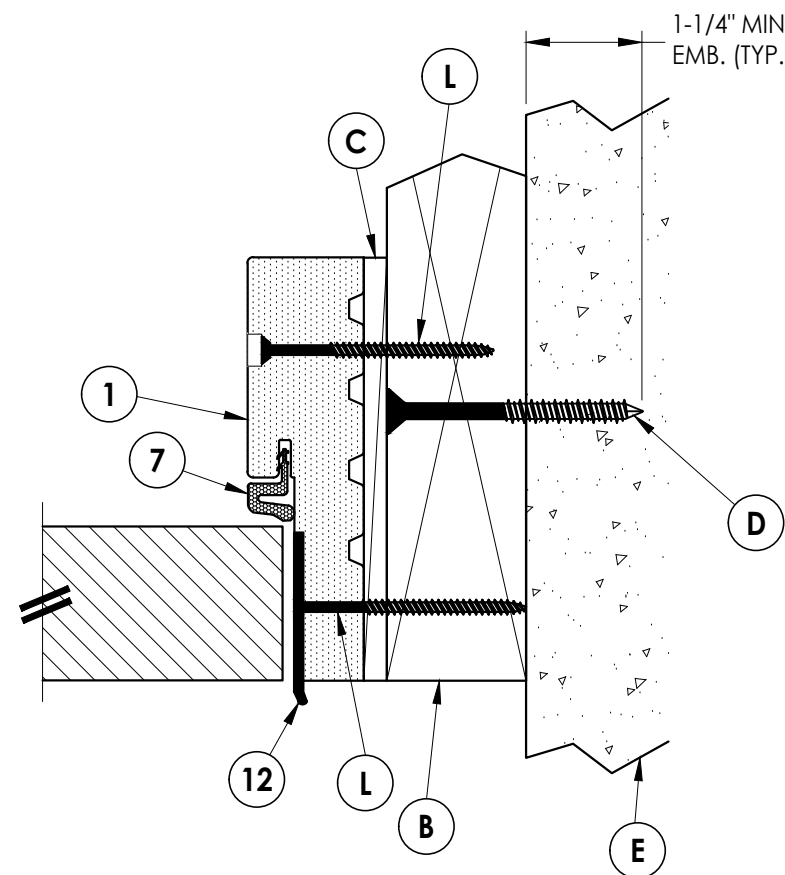


1 **HORIZONTAL CROSS SECTION**

3 2X Buck Construction
Outswing Shown (Inswing Similar)

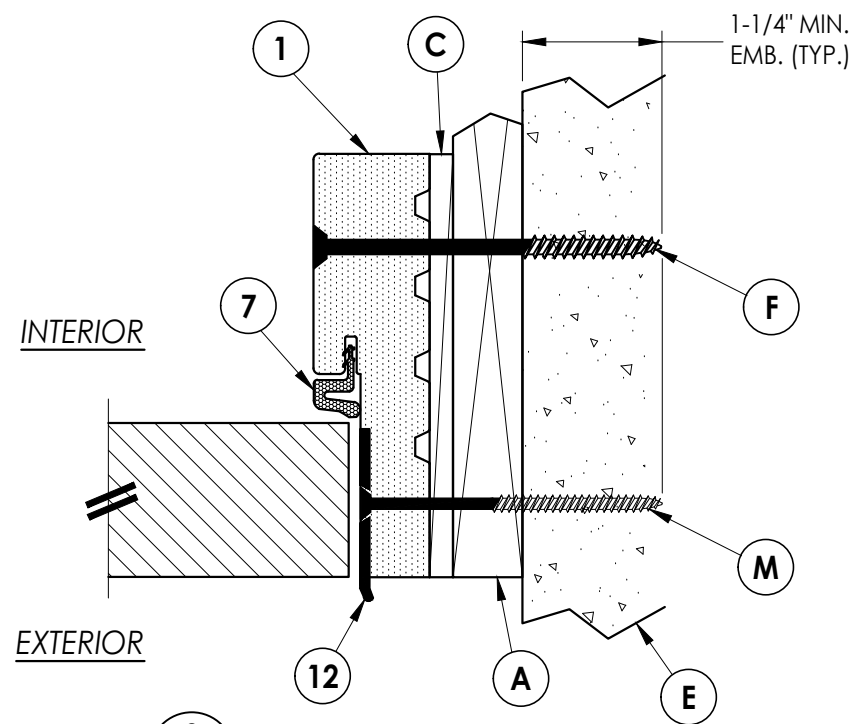
INTERIOR

EXTERIOR

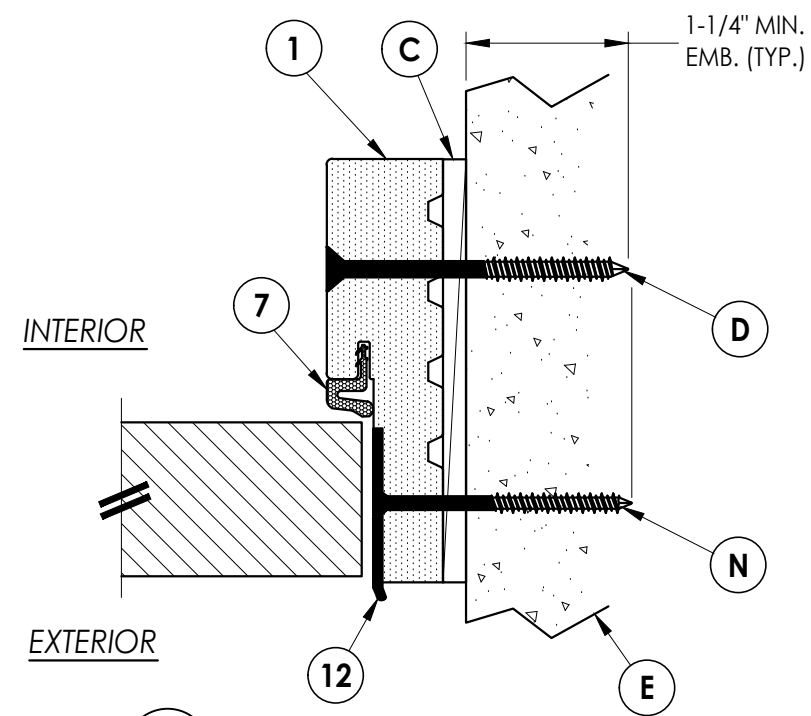


2 **HORIZONTAL CROSS SECTION**

3 2X Buck Construction Outswing Shown (Inswing Similar)



3 HORIZONTAL CROSS SECTION
 Shown w/1X Buck
 Outswing Shown (Inswing Similiar)

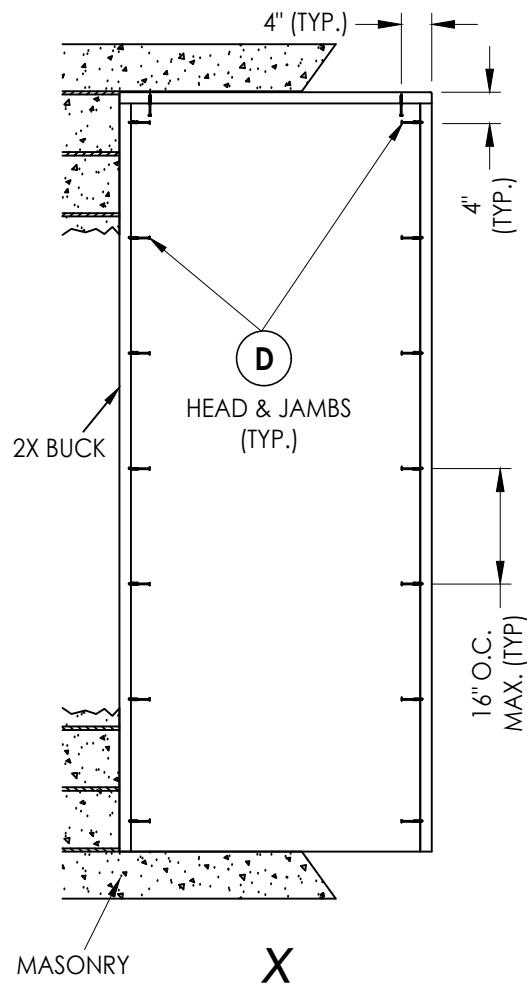


4 HORIZONTAL CROSS SECTION
3 Shown Direct to Masonry
 Outswing Shown (Inswing Similar)

[illegible]

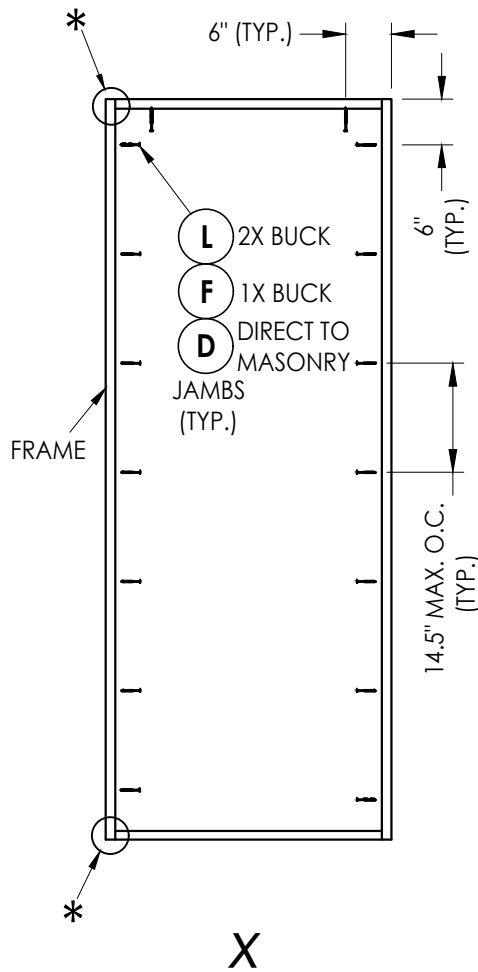
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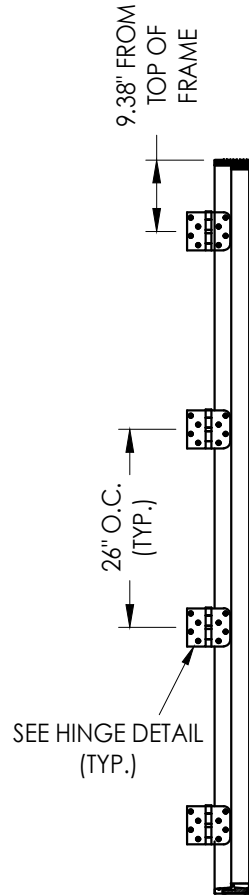


2X BUCK ANCHORING

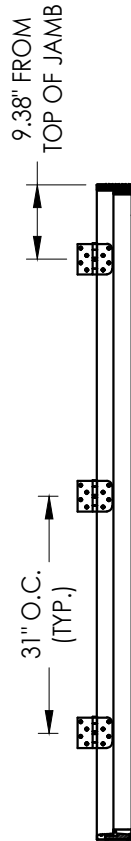
* NOTE: FRAME CORNERS ATTACHED w/ (3)
#9 X 3" DECK SCREWS @ HEAD & SILL (TYP.).



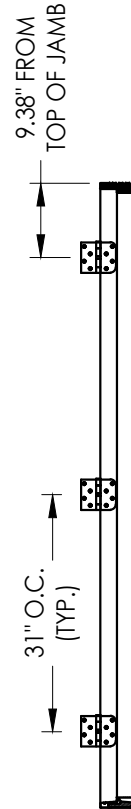
FRAME ANCHORING



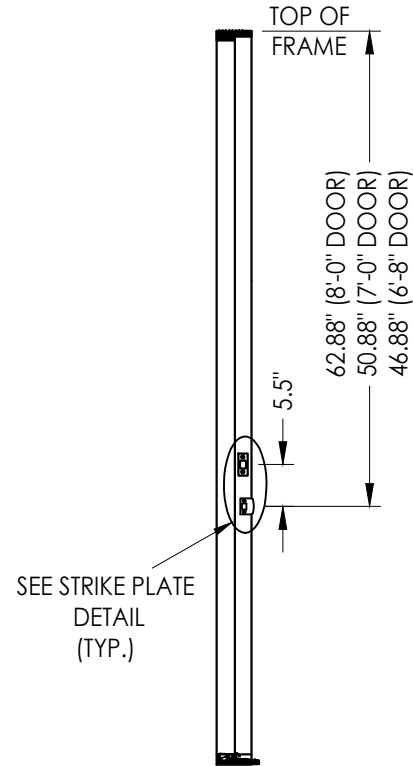
HINGE JAMB
8'-0" DOOR



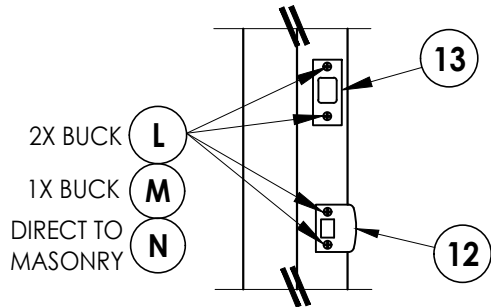
HINGE JAMB
7'-0" DOOR



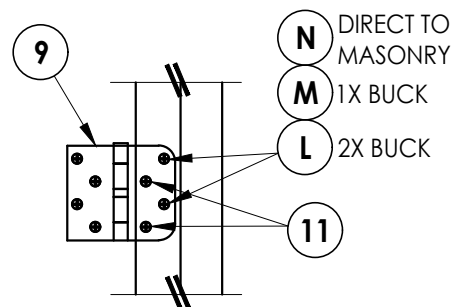
HINGE JAMB
6'-8" DOOR



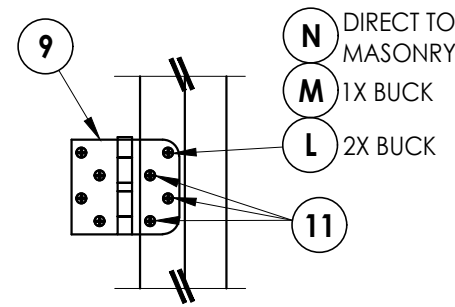
STRIKE JAMB



LATCH & DEADBOLT DETAIL



HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING

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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: BMI
COMPONENTS

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
1	9/26/23	UPDATE TO 8TH ED. (2023) FBC
LFS	BY	

DATE: 7/05/22

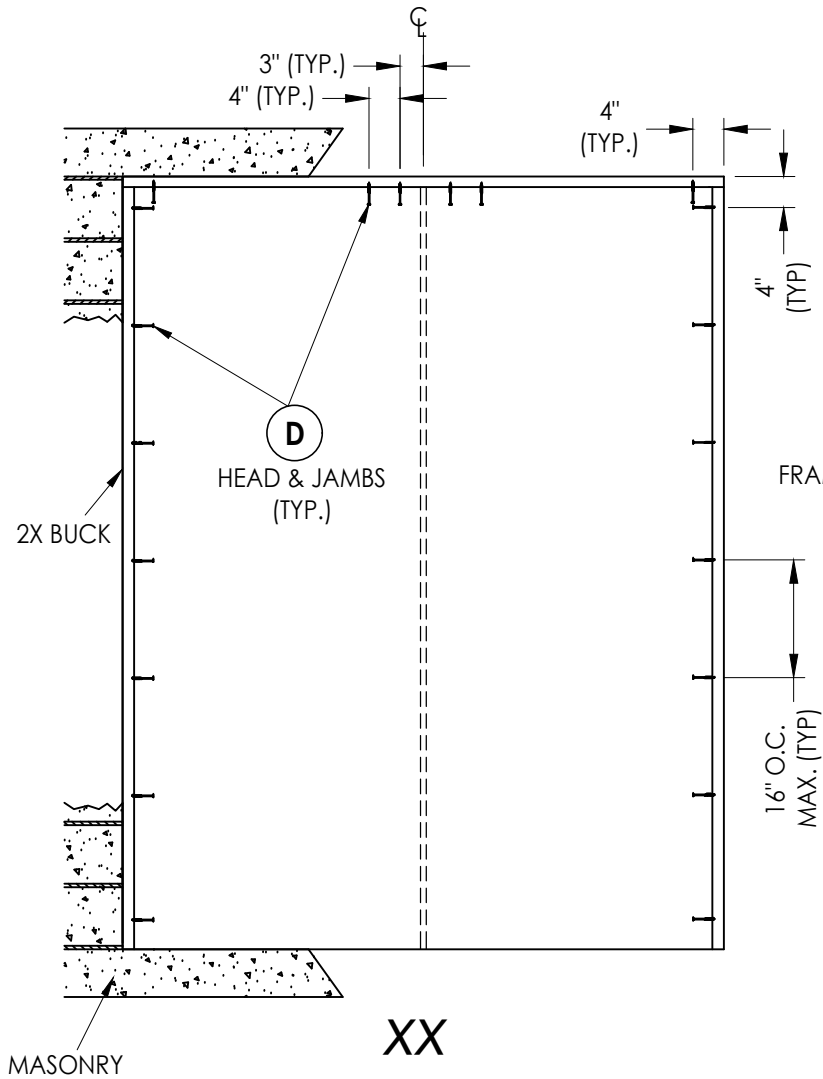
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DWG. BY: LFS

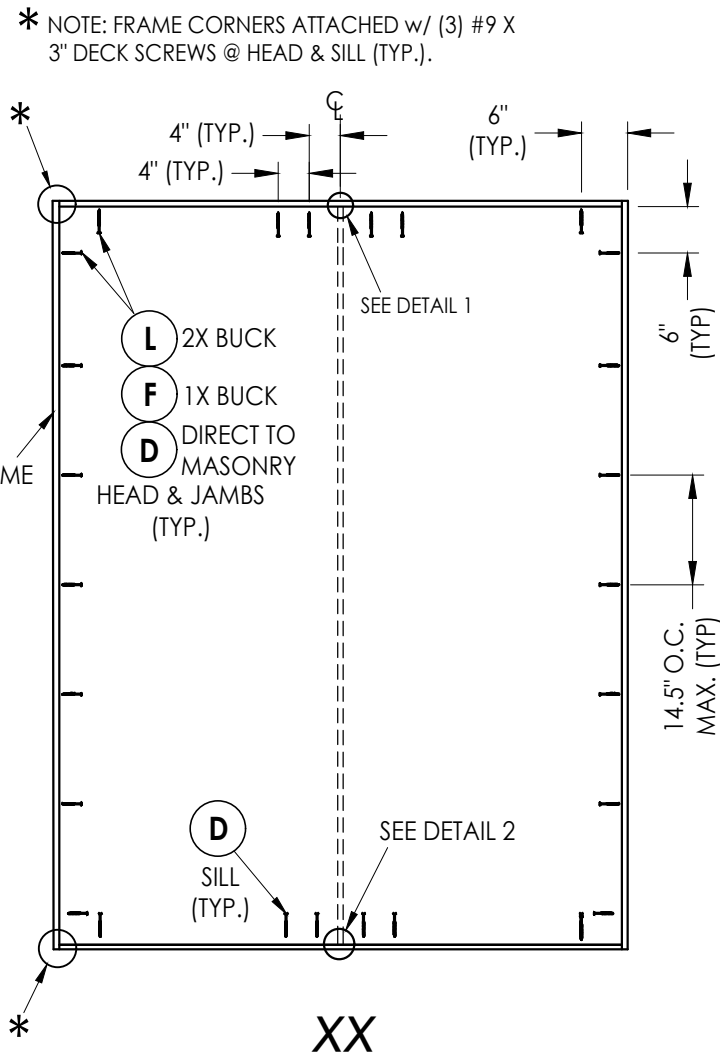
CHK. BY: RW

DRAWING NO.: FL-41560.3

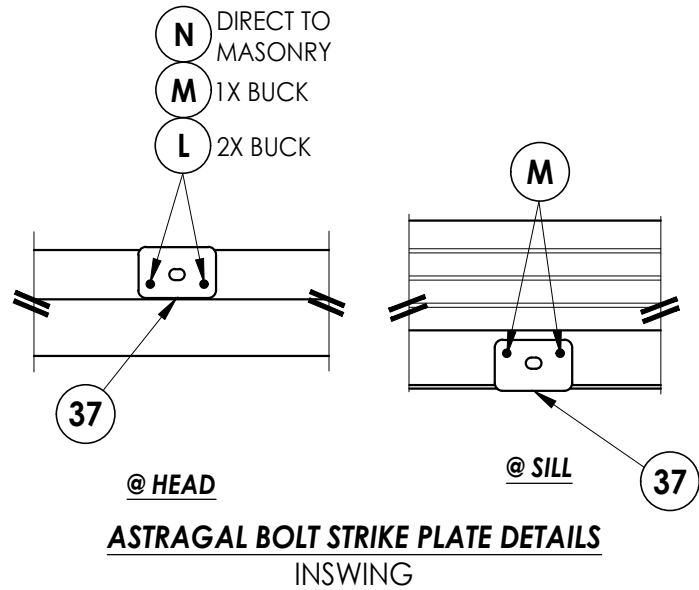
SHEET 5 OF 7



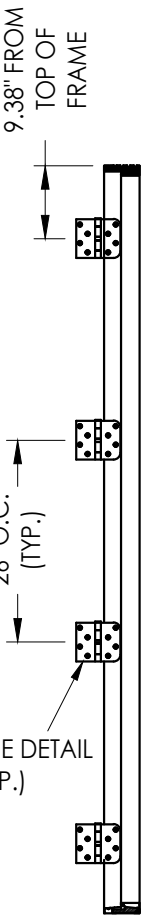
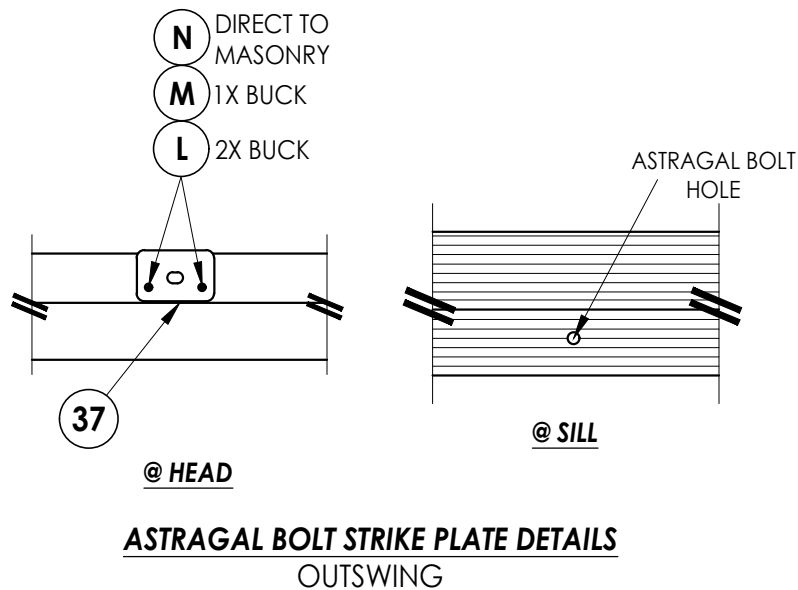
2X BUCK ANCHORING



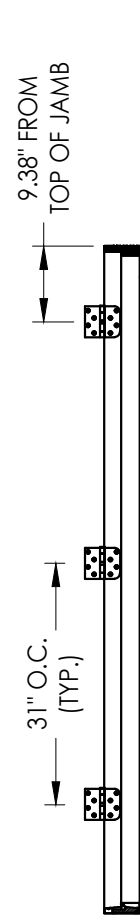
FRAME ANCHORING



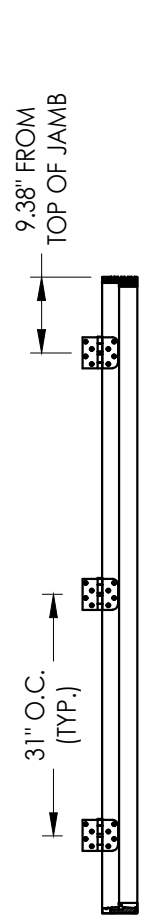
HARDWARE DETAILS



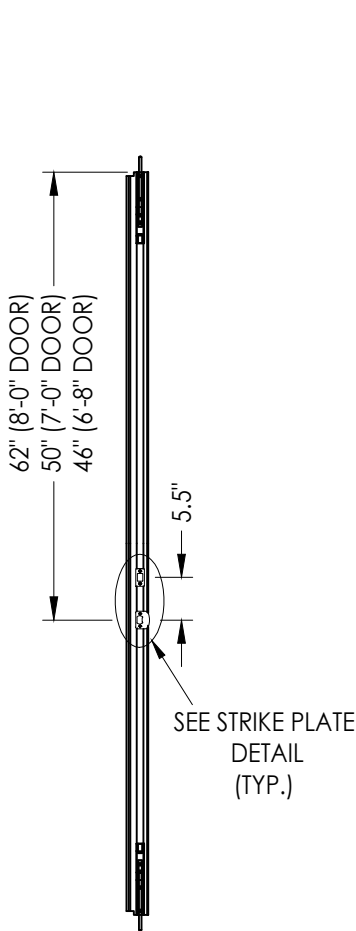
HINGE JAMB
8'-0" DOOR



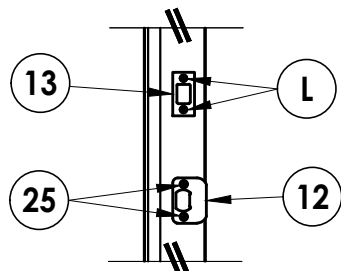
HINGE JAMB
7'-0" DOOR



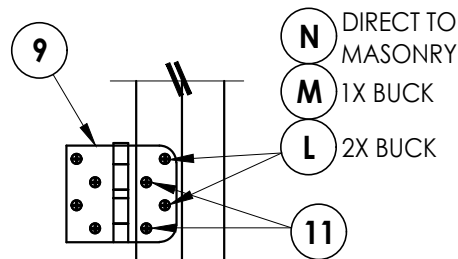
HINGE JAMB
6'-8" DOOR



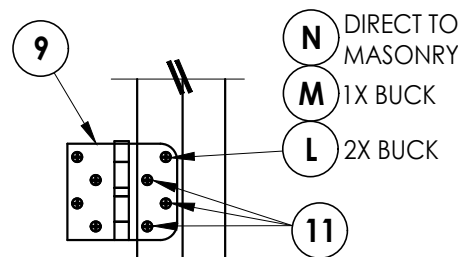
ASTRAGAL



LATCH & DEADBOLT DETAIL



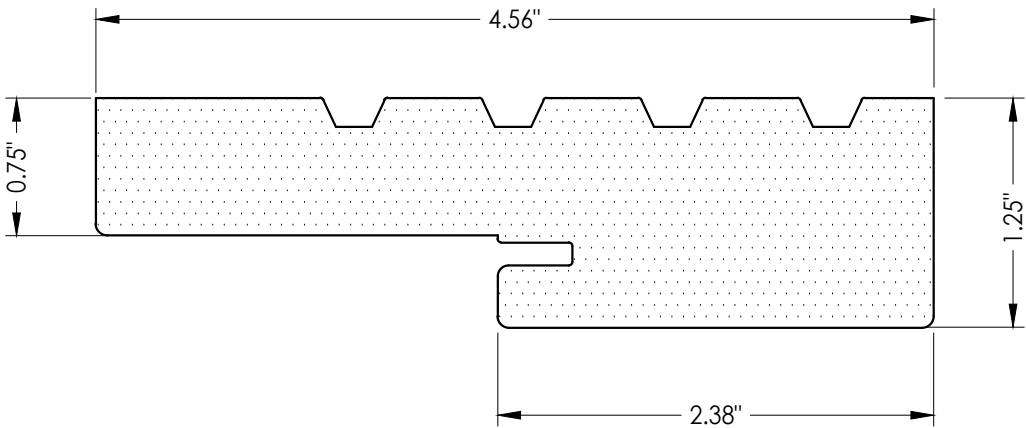
HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING

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: BMI COMPONENTS				PART OR ASSEMBLY: BUCK & FRAME ANCHORING			
DATE: 7/05/22				REVISIONS			
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-41560.3							
SHEET 6 OF 7							

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	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
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	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
1	HEAD & SIDE JAMB (BMI WPC)	COMP
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	4" X 4" HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
37	ASTRAGAL STRIKE PLATE	STEEL
40	DOOR PANEL (BY OTHERS - SEE GENERAL NOTE 4, SHEET 1)	-



1 WOOD PLASTIC COMPOSITE JAMB
BMI

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 BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	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.

[illegible]