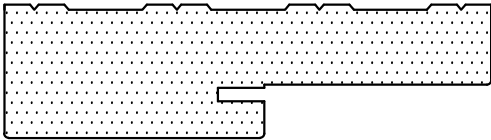


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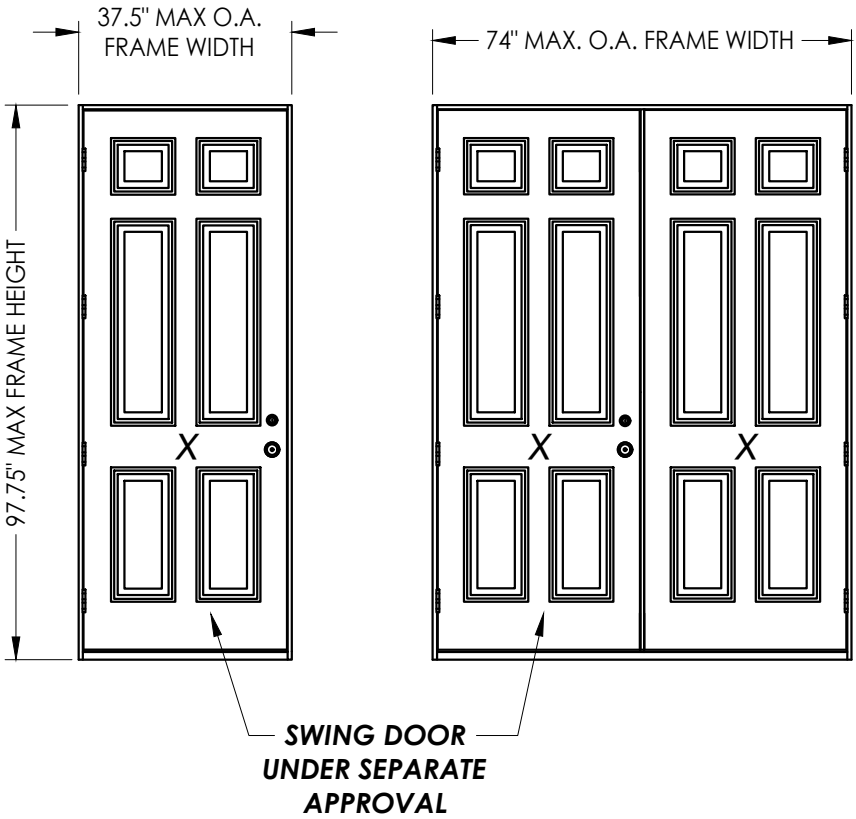
PENROD COMPOSITE JAMB

Composite Door Jamb
INSWING / OUTSWING
"NON-IMPACT"

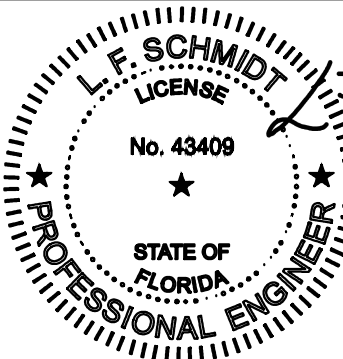
GENERAL NOTES

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. This "NON-IMPACT" door jamb, as a component, is to be used as a substitute to a similar door jamb in an approved door system possessing a current Florida Statewide Product Approval.
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.

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



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 97.75"	+50.0	-55.0	+50.0	-50.0
XX	74.0" x 97.75"	+50.0	-55.0	+50.0	-50.0



Digitally signed
by Lyndon F
Schmidt
Date: 2024.02.27
14:46:09 -05'00'

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

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

PENROD COMPONENTS

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

DATE: 2/09/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-37781.1

SHEET 1 OF 8

REVISIONS

NO.	DATE	DESCRIPTION
2	2/26/24	UPDATE D.P. FOR NEW TESTING
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC

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FBPE Registry No. 9813



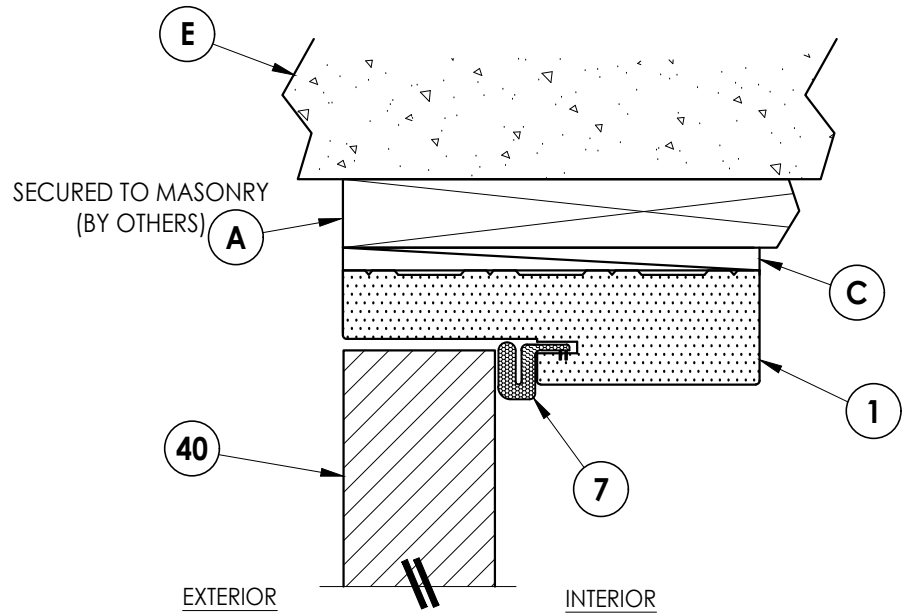
<u>PRODUCT:</u>	PENROD COMPONENTS	Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409
<u>PART OR ASSEMBLY:</u>	ELEVATIONS	<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813



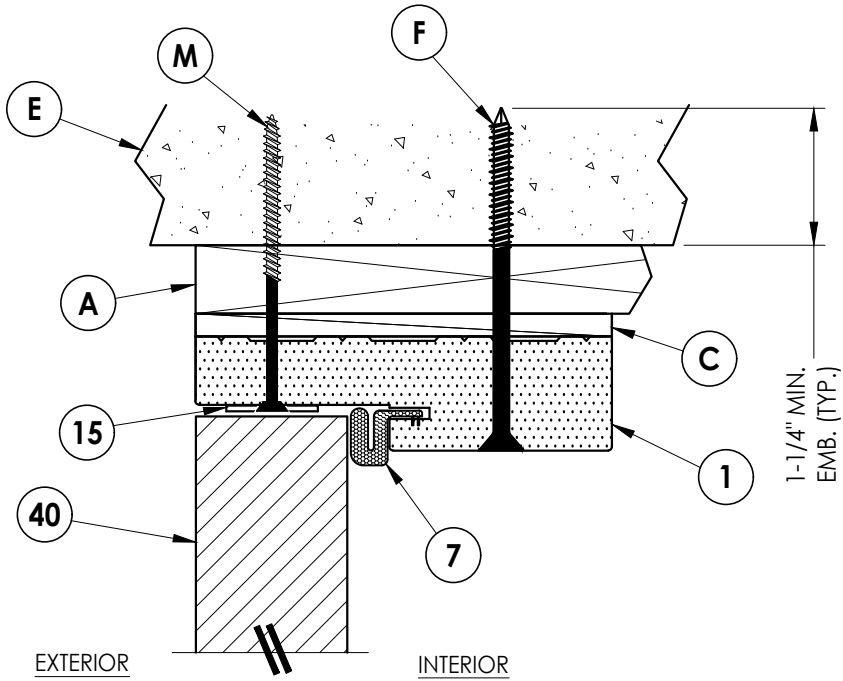
NOTE:
SEE SEPARATE SIDE-HINGED DOOR PRODUCT APPROVAL FOR
DOOR CONSTRUCTION DETAILS NOT SHOWN, INCLUDING LOCK
HARDWARE, ASTRAGAL, HINGE & THRESHOLD CONNECTIONS.

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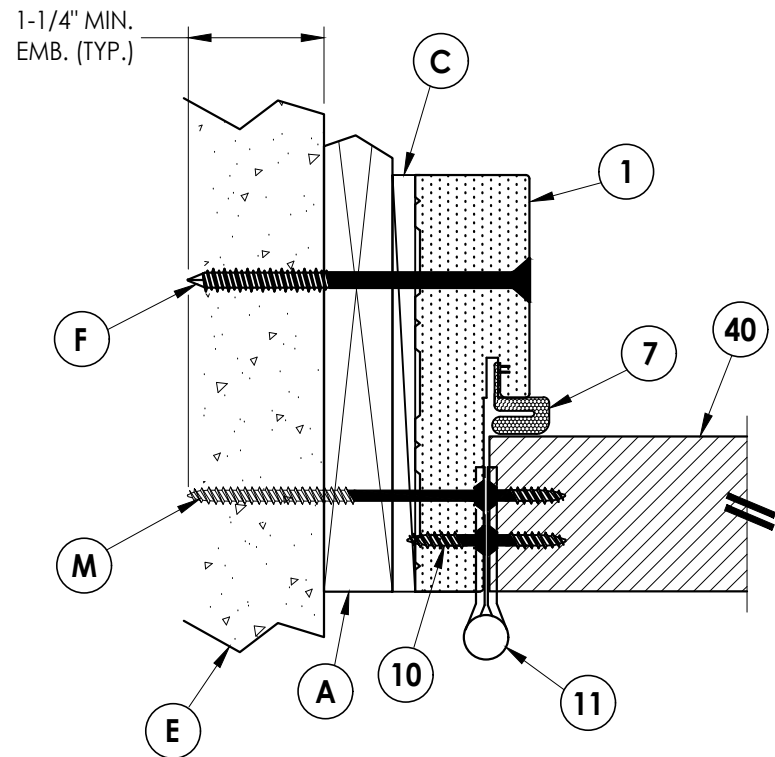
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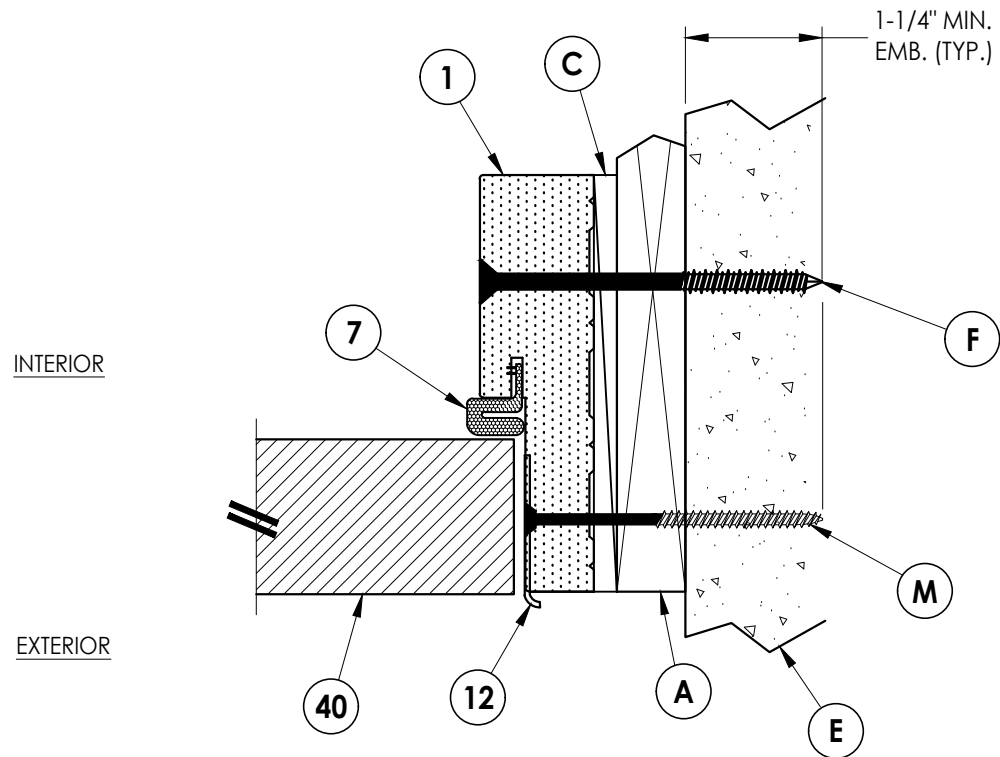
1
4 **VERTICAL CROSS SECTION**
1X Buck Construction - Single Door Only
Outswing Shown (Inswing Similar)



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.

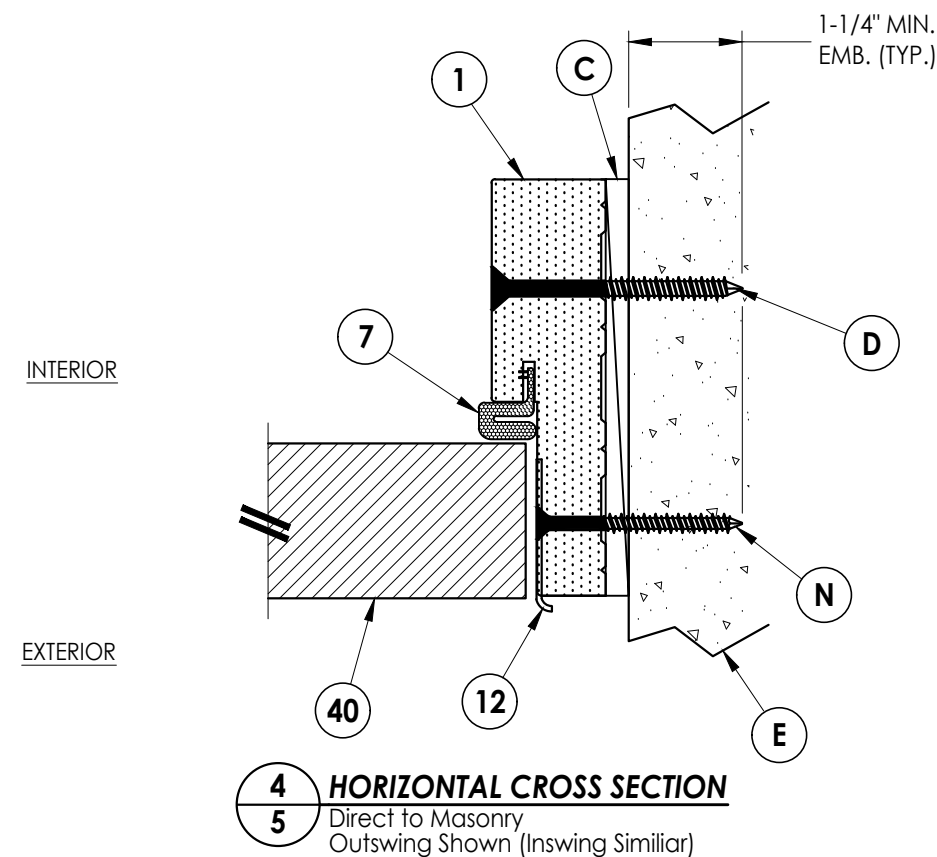
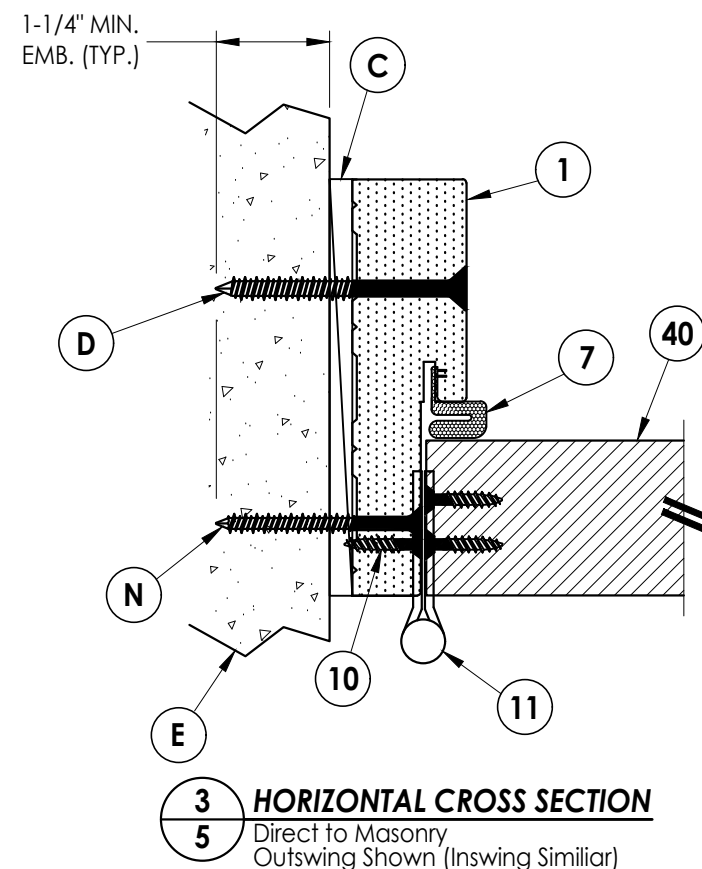
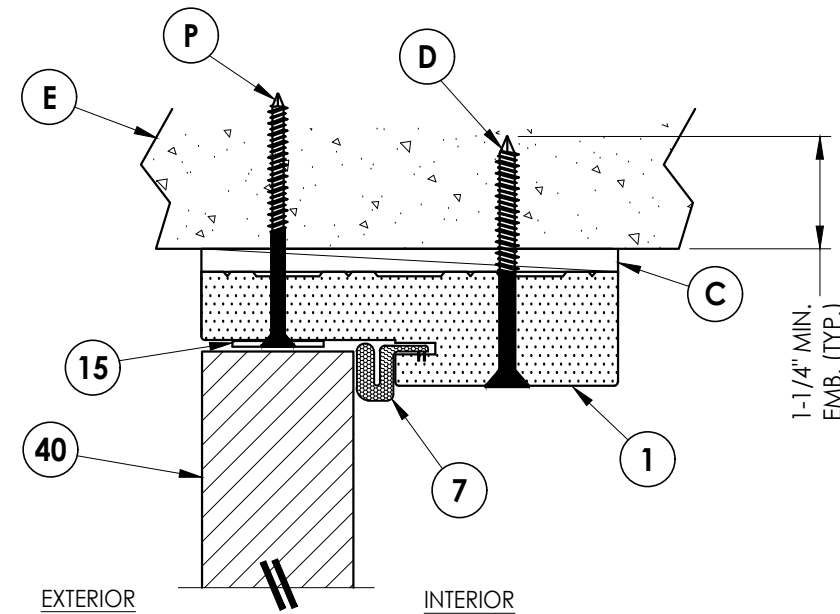
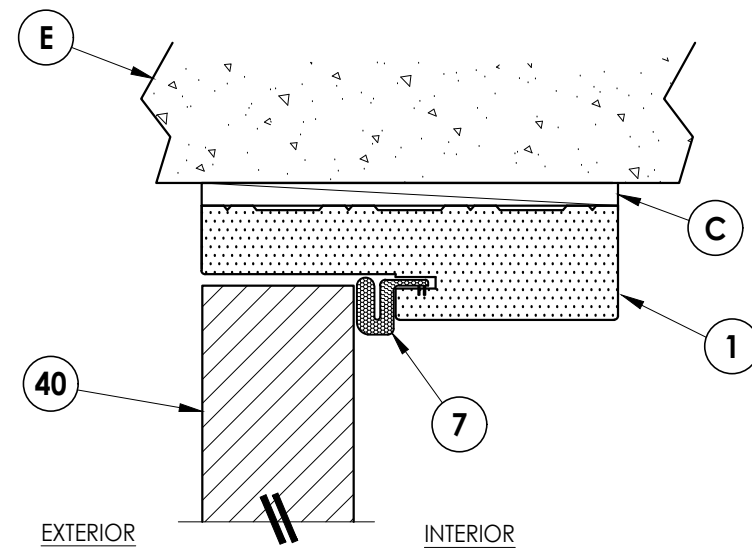
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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

NO.	DATE	REVISIONS	
2	2/26/24	UPDATE D.P. FOR NEW TESTING	LFS
1	8/21/23	UPDATE TO 8TH ED. (2023)	FBC
			BY

DATE:	2/09/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-37781.1
SHEET	4 OF 8

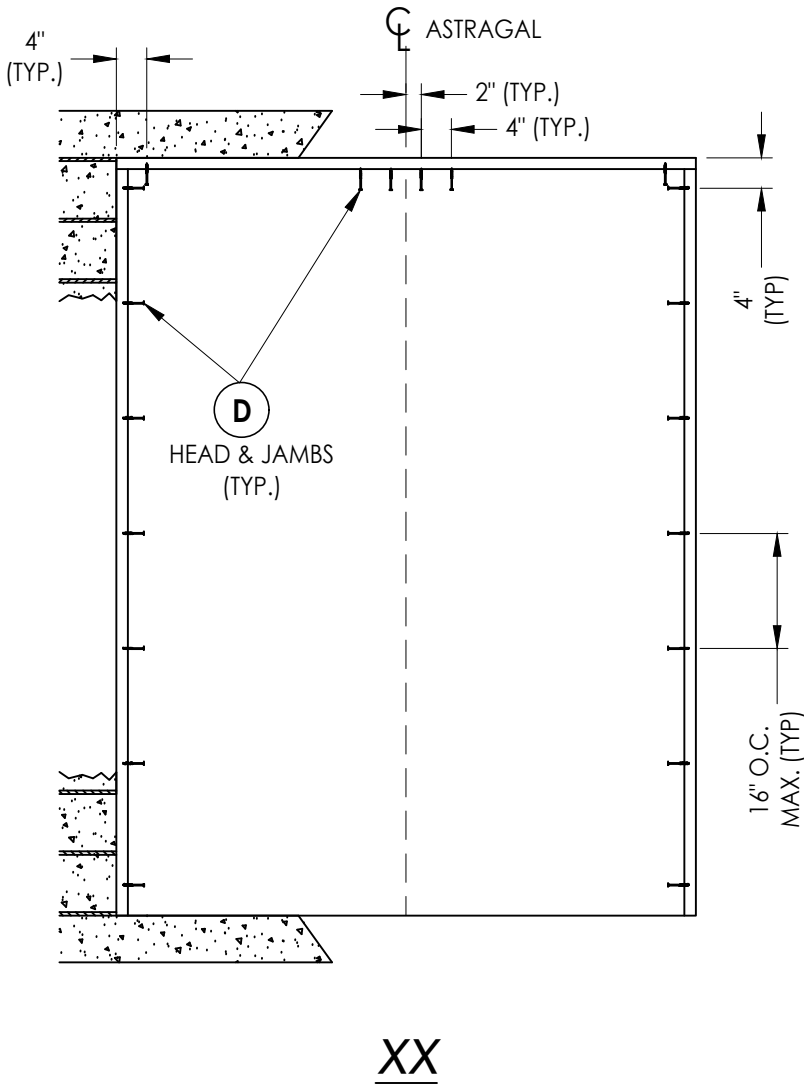
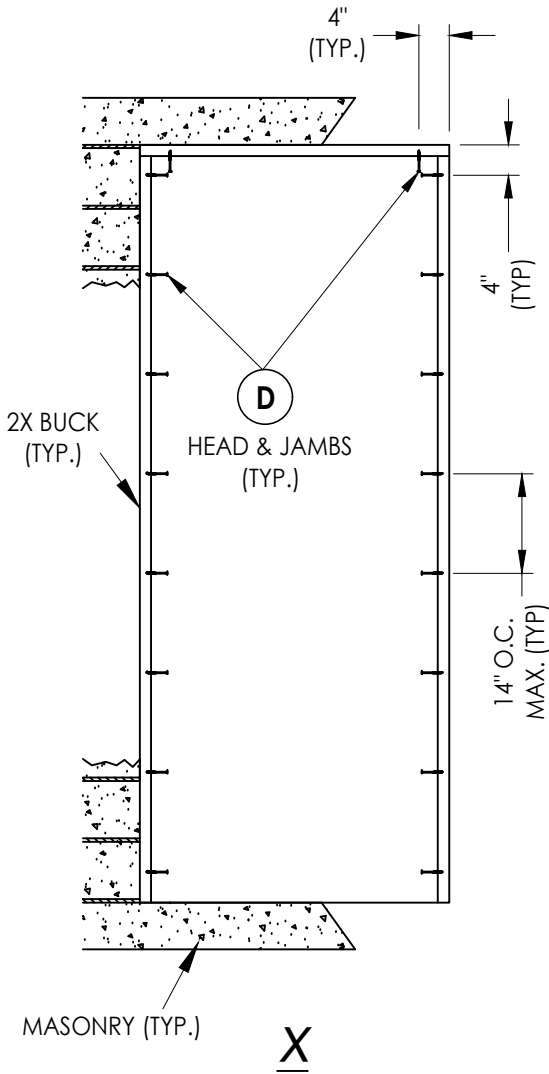


NOTE:
SEE SEPARATE SIDE-HINGED DOOR PRODUCT APPROVAL FOR
DOOR CONSTRUCTION DETAILS NOT SHOWN, INCLUDING LOCK
HARDWARE, ASTRAGAL, HINGE & THRESHOLD CONNECTIONS.

[illegible]

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



2X BUCK ANCHORING

DATE: 2/09/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-37781.1

SHEET 6 OF 8

PRODUCT:

PENROD
COMPONENTS

PART OR ASSEMBLY:

BUCK ANCHORING

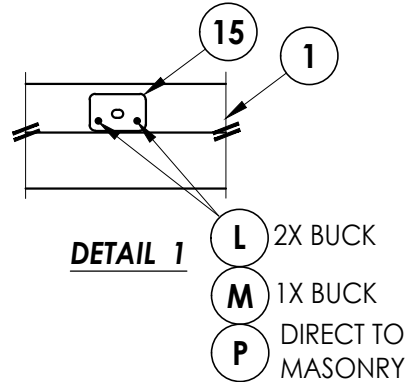
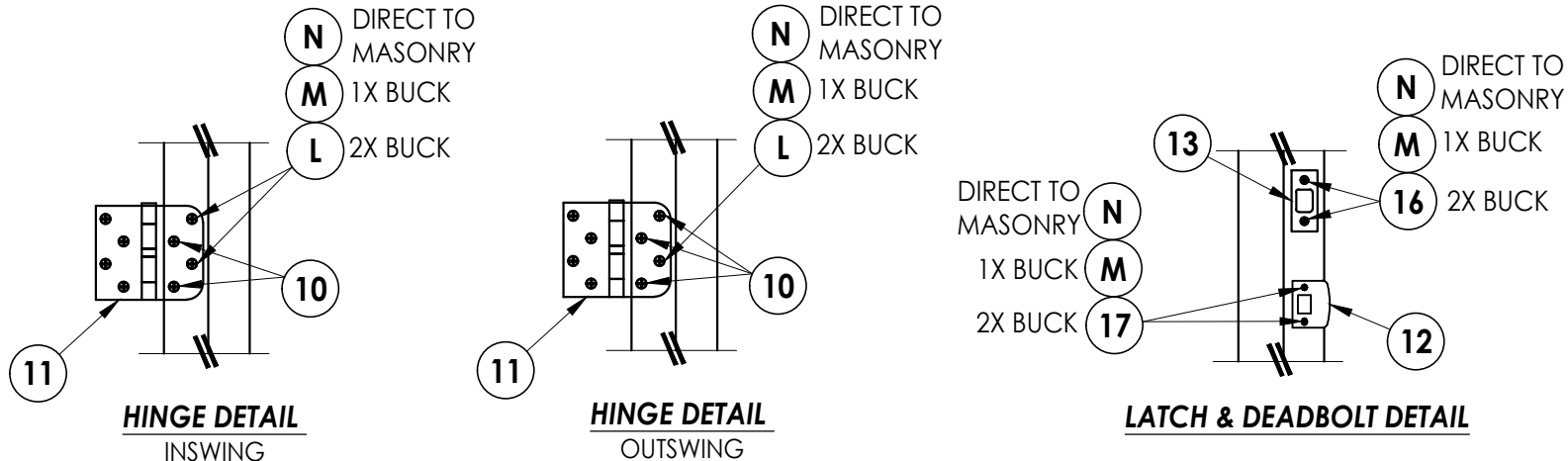
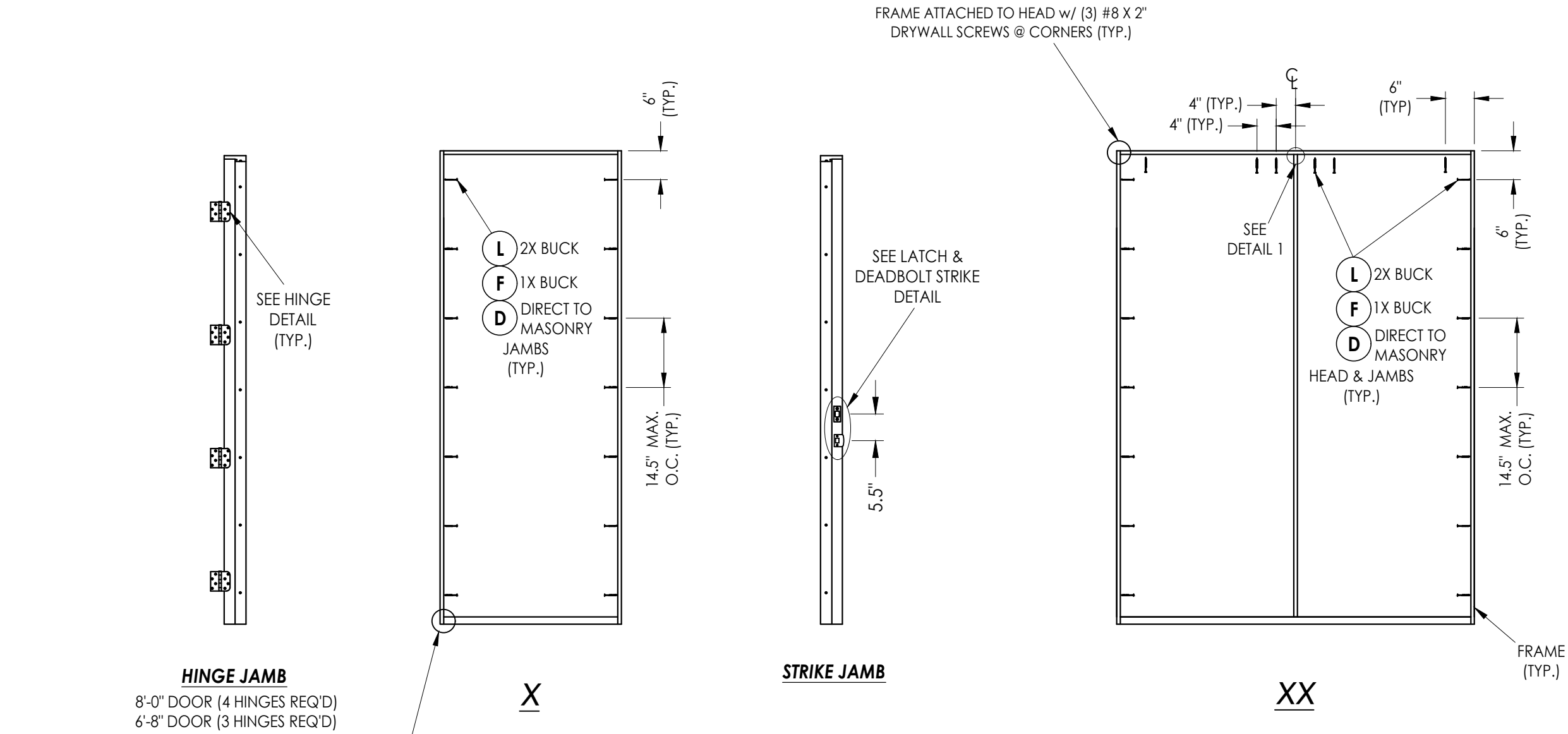
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

REVISIONS

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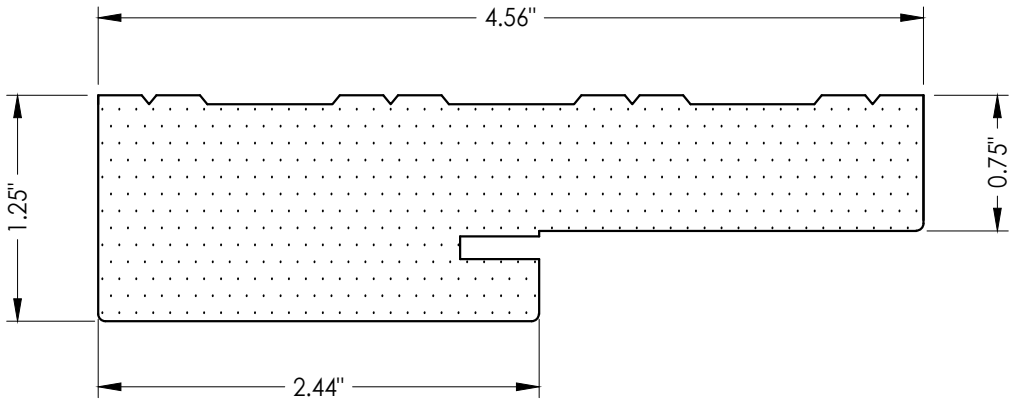
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NOTE:
SEE SEPARATE SIDE-HINGED DOOR PRODUCT APPROVAL FOR DOOR CONSTRUCTION DETAILS NOT SHOWN, INCLUDING LOCK HARDWARE, ASTRAGAL, HINGE & THRESHOLD CONNECTIONS.

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: PENROD COMPONENTS		PART OR ASSEMBLY: FRAME ANCHORING & HARDWARE DETAILS	
		LFS	
		FBC	
		LFS	
		BY	
REVISIONS			
		NO.	DATE
2	2/26/24	UPDATE D.P. FOR NEW TESTING	
1	8/21/23	UPDATE TO 8TH ED. (2023)	
DATE: 2/09/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-37781.1			
SHEET 7 OF 8			

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
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" 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	COMPOSITE JAMB (PENROD)	COMP
7	WEATHERSTRIP (PENROD)	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)	-



1 COMPOSITE JAMB
PVC

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.

[illegible]