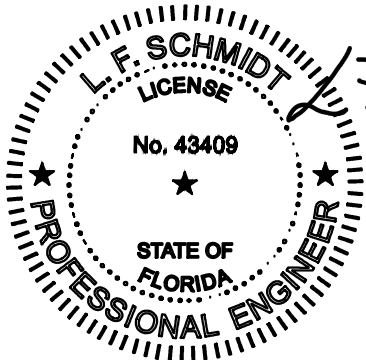


PENROD COMPOSITE JAMB



Digitally signed
by Lyndon F
Schmidt
Date: 2023.08.21
13:48:56 -04'00'

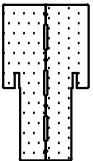
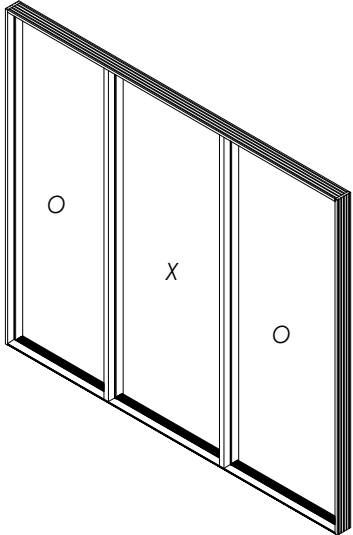
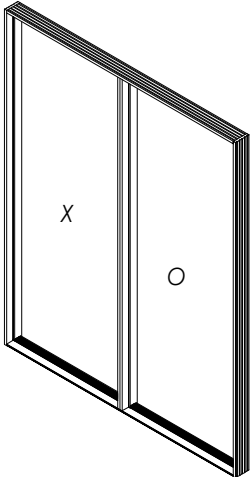
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

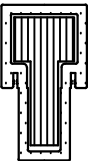
Composite Door Jamb Continuous Head & Sill Frame System INSWING / OUTSWING "NON-IMPACT"

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.



COMBINATION MULLION



INTEGRAL MULLION

TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes	6	Horizontal Cross Sections
2	Elevations	7	Vertical Cross Sections (Thresholds)
3	Horizontal & Vertical Cross Sections (2X Buck)	8	2X Buck Anchoring
4	Horizontal & Vertical Cross Sections (1X Buck)	9	Frame Anchoring & Hardware Details
5	Horizontal & Vertical Cross Sections (Direct to Masonry)	10	Bill of Materials & Components

CONFIGURATION	MAX. FRAME DIMENSION	MULLION TYPE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX / XO	74.75" x 81.75"	COMB. MULLION	+55.0	-60.0	+55.0	-55.0
		INTEGRAL MULLION	+50.0	-50.0	+50.0	-50.0
OXO	112.0" x 81.75"	COMB. MULLION	+55.0	-60.0	+55.0	-55.0
		INTEGRAL MULLION	+50.0	-50.0	+50.0	-50.0

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-37781.3

SHEET 1 OF 10

REVISIONS

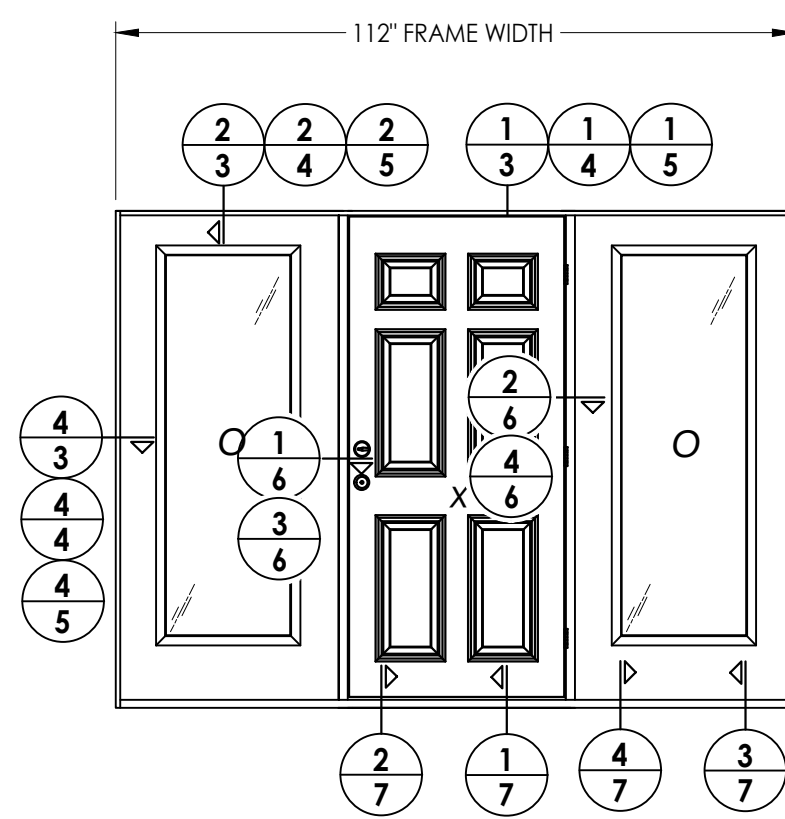
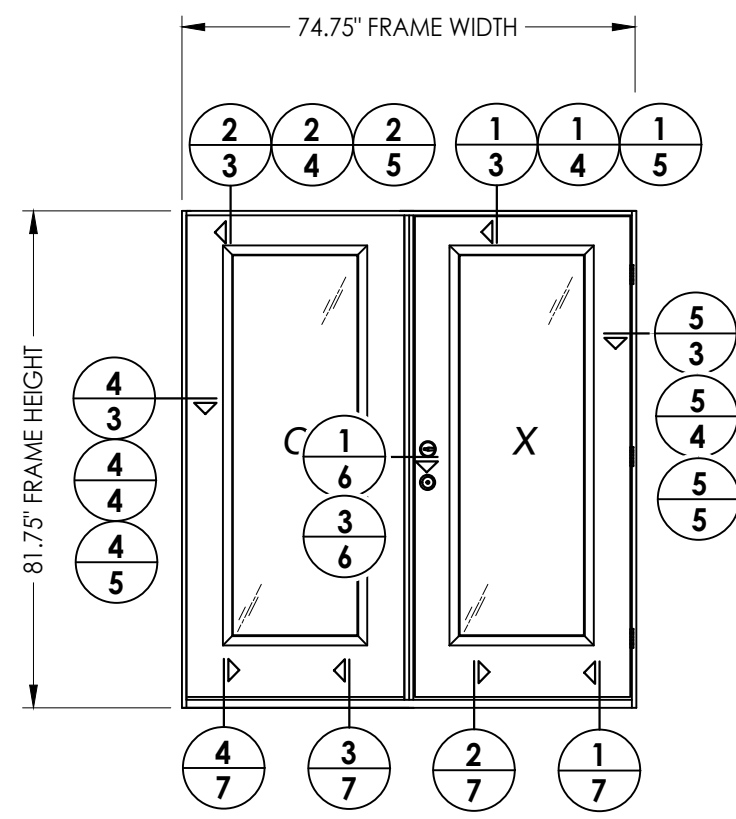
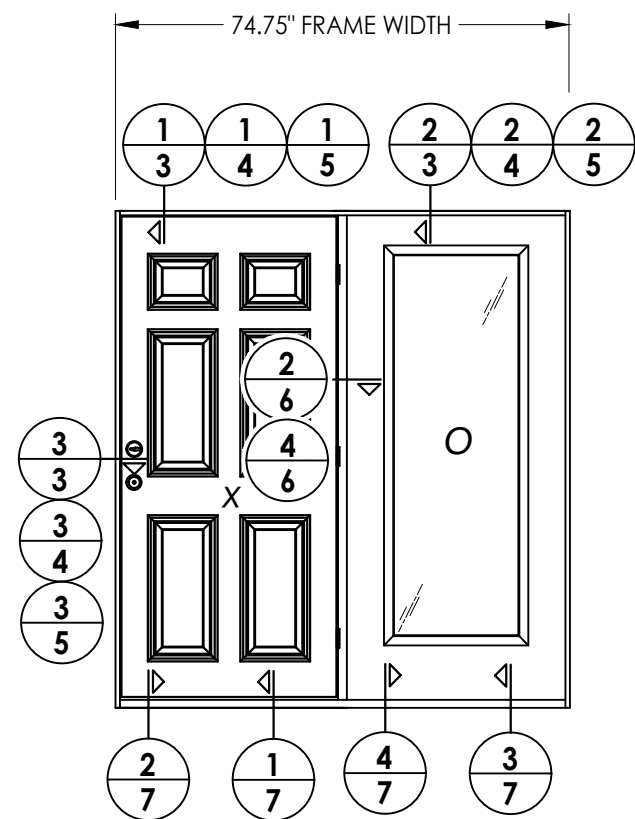
NO.	DATE	BY	LFS
1	8/21/23	UPDATE TO 8TH ED. (2023)	FBC

BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

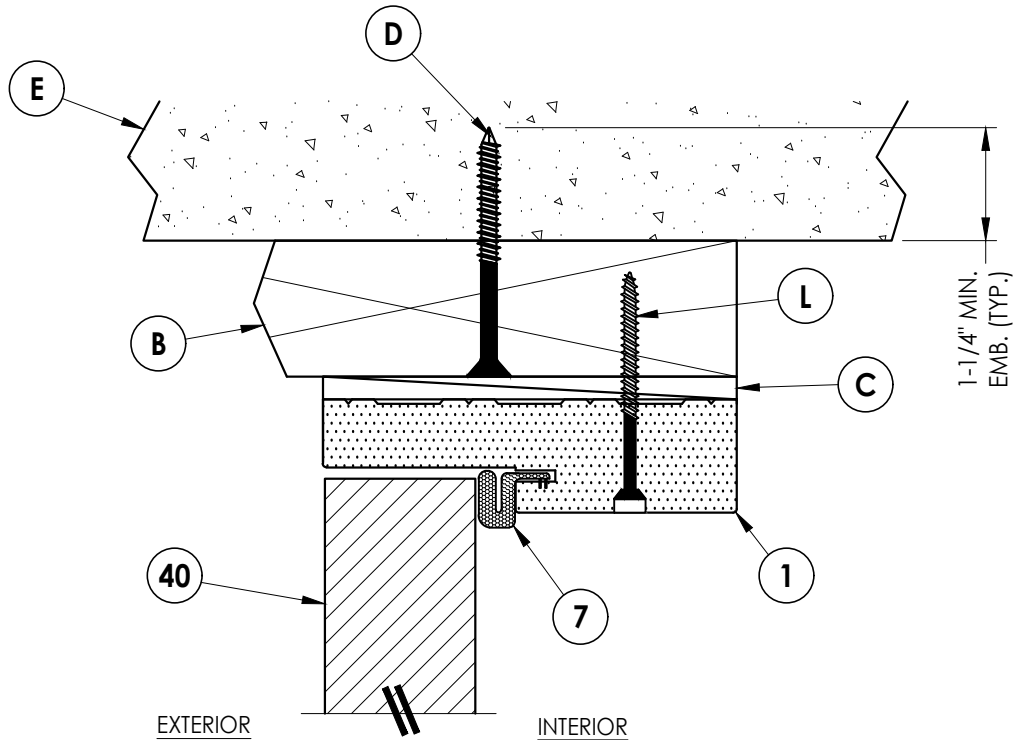
FBPE Registry No. 9813



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

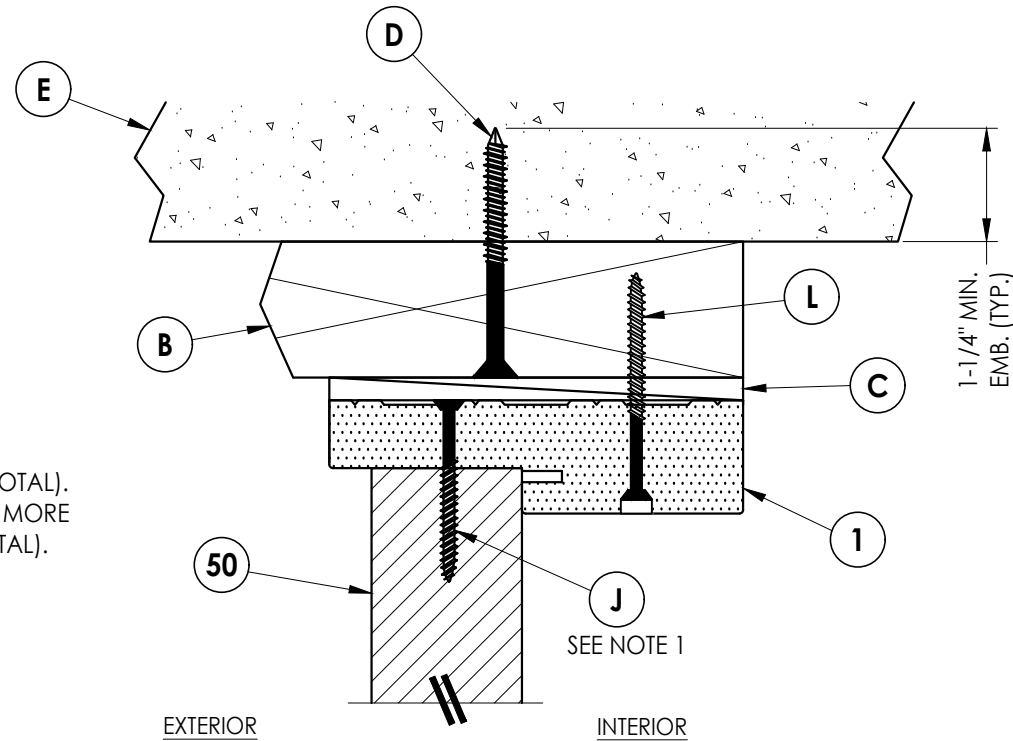
PRODUCT: PENROD COMPONENTS PART OR ASSEMBLY: ELEVATIONS		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
DATE: 2/09/21 SCALE: N.T.S. DWG. BY: RW CHK. BY: LFS DRAWING NO.: FL-37781.3		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
1 NO. 8/21/23 DATE UPDATE TO 8TH ED. (2023) FBC LFS BY		REVISIONS	
SHEET <u>2</u> OF <u>10</u>		© 2021 R.W. BUILDING CONSULTANTS INC.	

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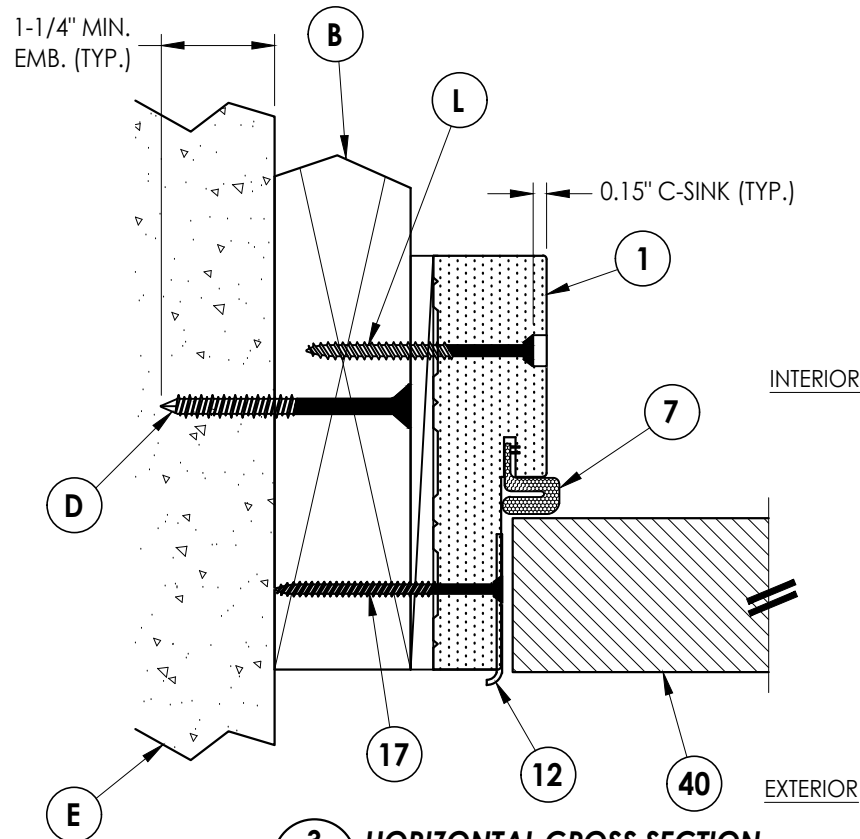


1
3 **VERTICAL CROSS SECTION**
2X Buck Construction
Outswing Shown (Inswing Similar)

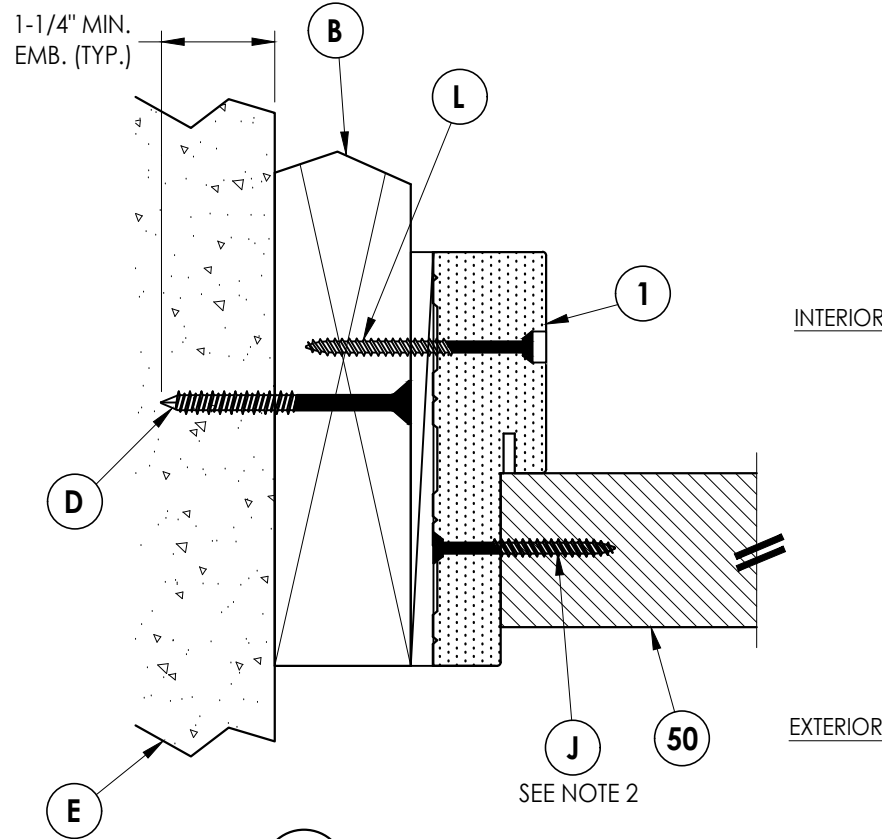
- NOTES:
1. SPACING FOR ITEM J: 6" FROM ENDS (2 TOTAL).
 2. SPACING FOR ITEM J: 6" FROM ENDS & 4 MORE EQUALLY SPACED ALONG SIDELITE (6 TOTAL).



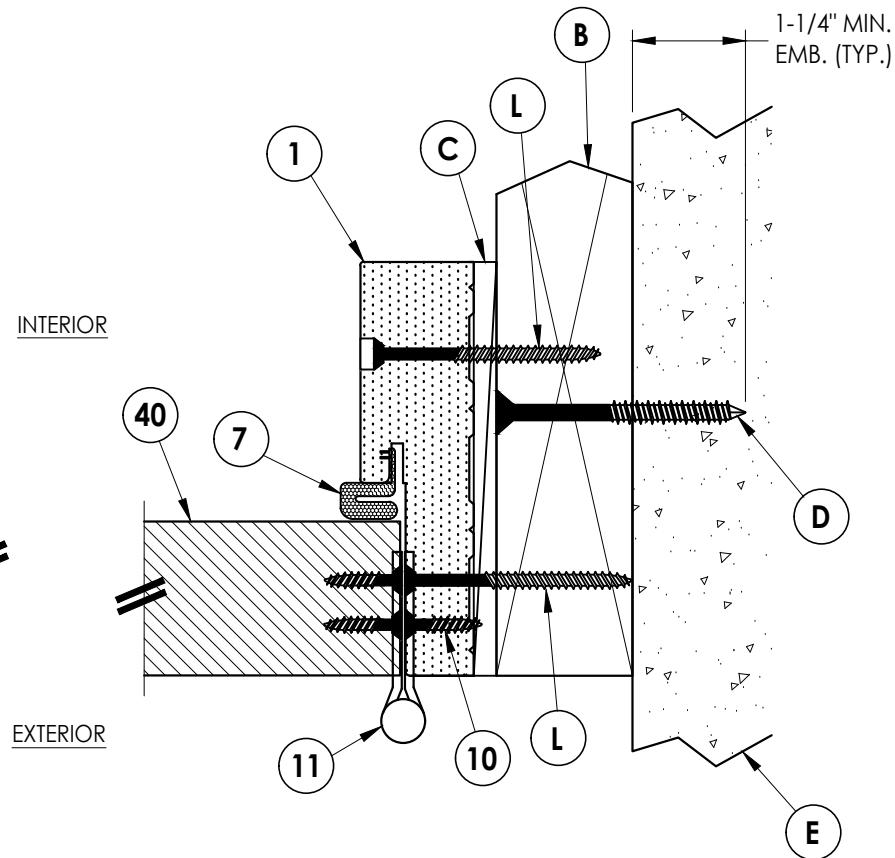
2
3 **VERTICAL CROSS SECTION**
2X Buck Construction
Outswing Shown (Inswing Similar)



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



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



5
3 **HORIZONTAL CROSS SECTION**
2X Buck Construction
Outswing Shown (Inswing Similar)

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:
PENROD
COMPONENTS

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

NO.	DATE	REVISIONS
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC
LFS	BY	

DATE: 2/09/21

SCALE: N.T.S.

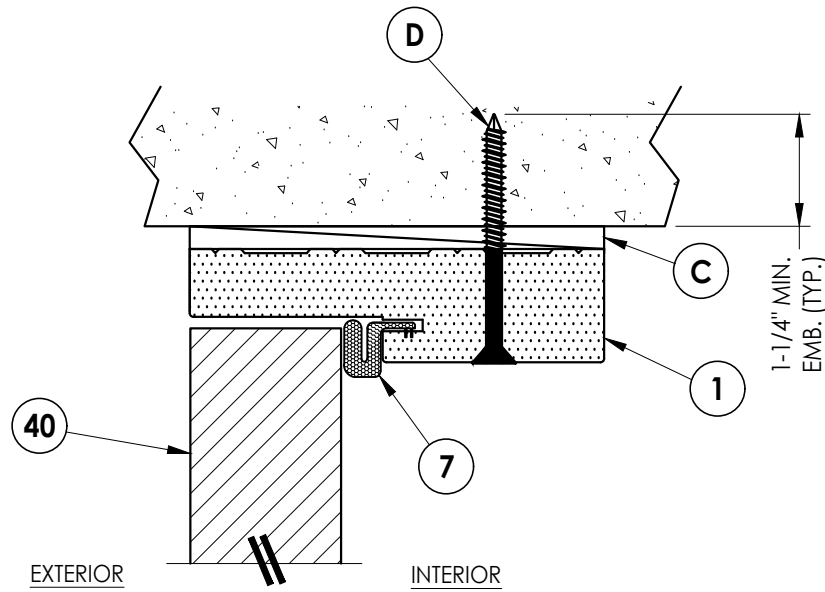
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CHK. BY: LFS

DRAWING NO.: FL-37781.3

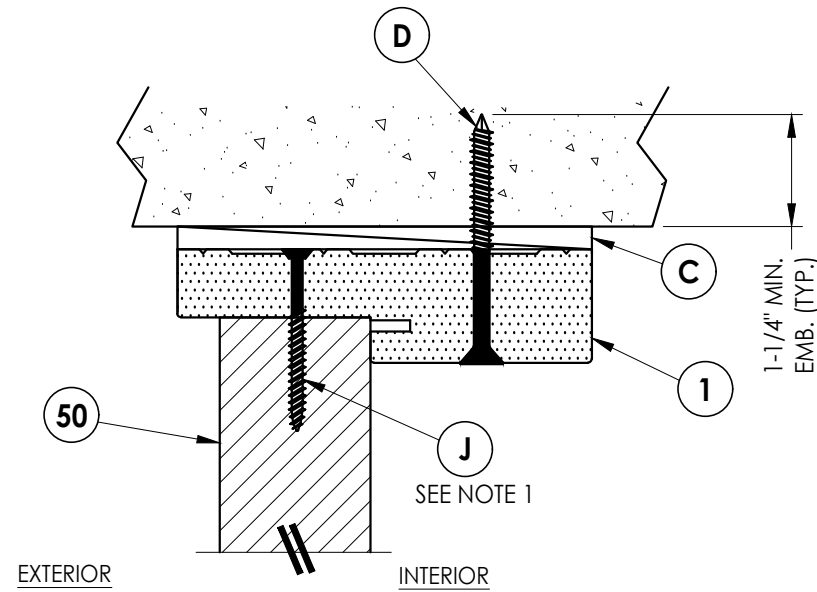
SHEET 3 OF 10

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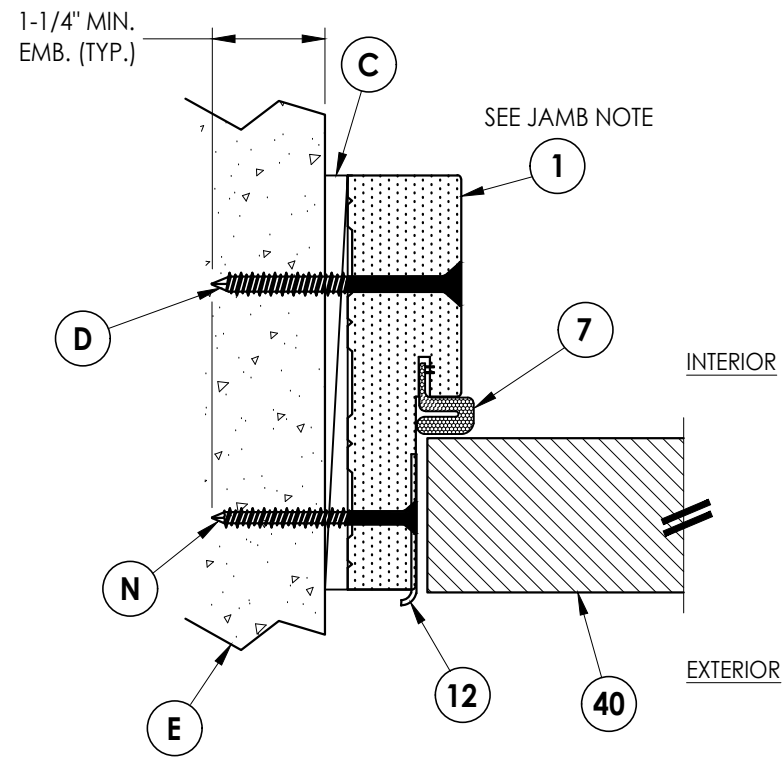


1
5 **VERTICAL CROSS SECTION**
Direct to Masonry
Outswing Shown (Inswing Similar)

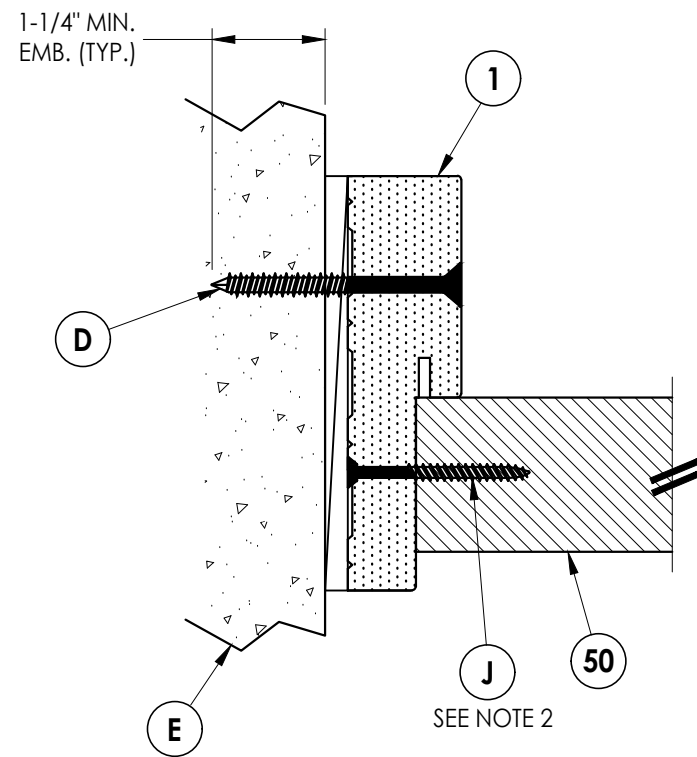
- NOTES:
1. SPACING FOR ITEM J: 6" FROM ENDS (2 TOTAL).
 2. SPACING FOR ITEM J: 6" FROM ENDS & 4 MORE EQUALLY SPACED ALONG SIDELITE (6 TOTAL).



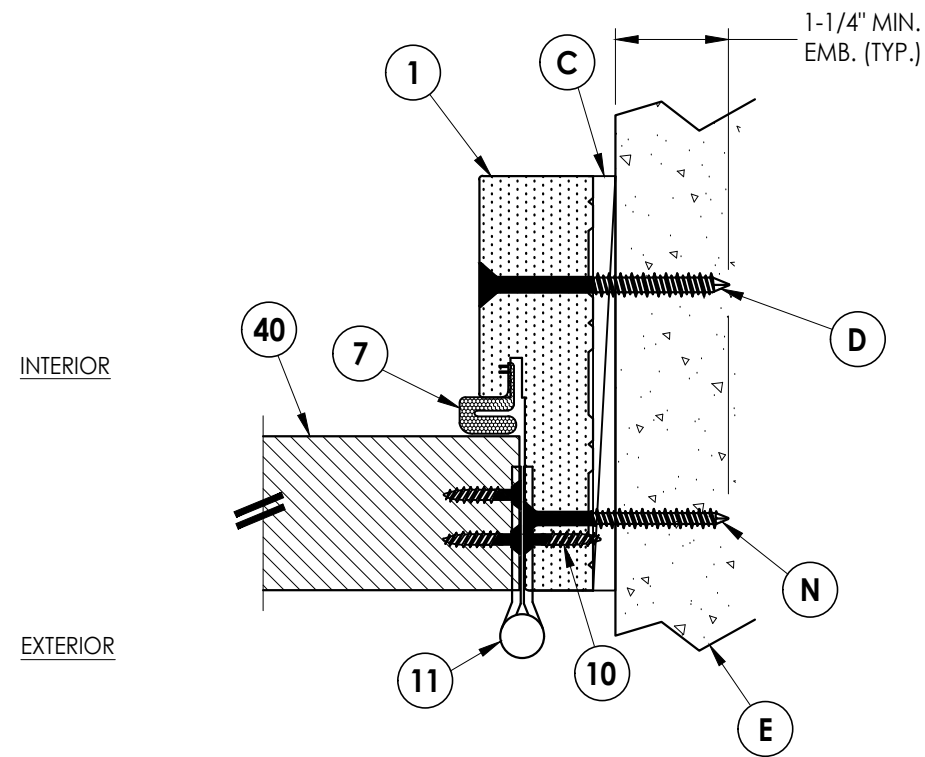
2
5 **VERTICAL CROSS SECTION**
Direct to Masonry
Outswing Shown (Inswing Similar)



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



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



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

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: PENROD COMPONENTS
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC

DATE: 2/09/21

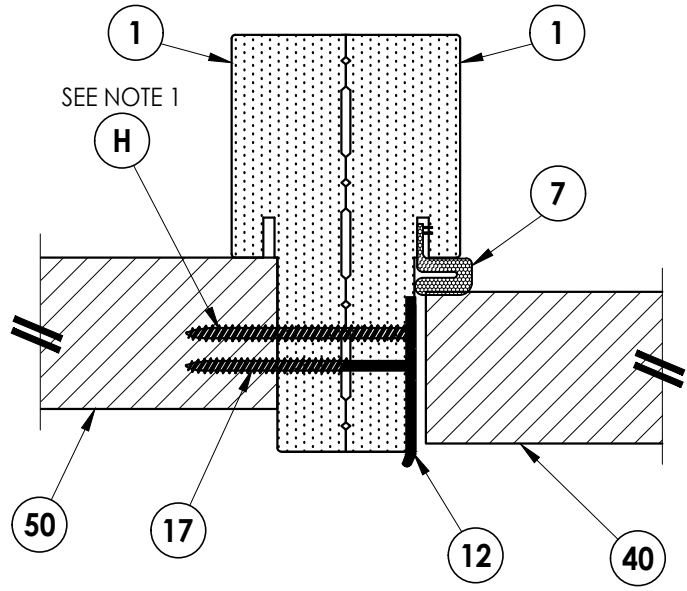
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CHK. BY: LFS

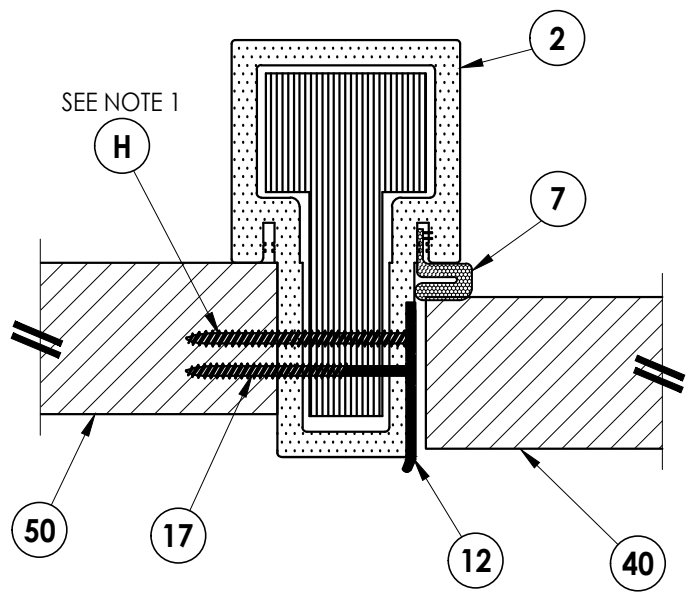
DRAWING NO.: FL-37781.3

SHEET 5 OF 10



1 **HORIZONTAL CROSS SECTION**
6 Outswing Shown (Inswing Similar)
Combination Mullion w/ Back-to-Back Jamb

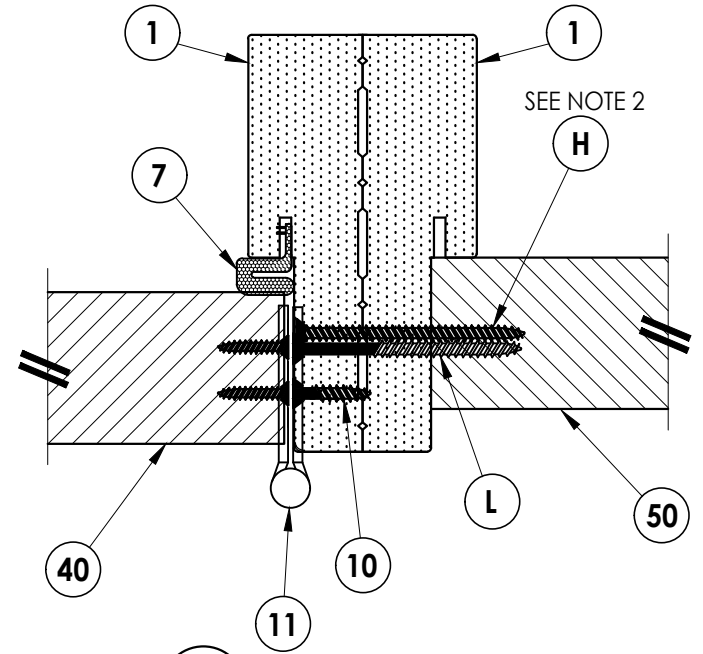
- NOTES:
1. SPACING FOR ITEM H (LATCH SIDE): 6" FROM ENDS & 4 MORE EQUALLY SPACED ALONG SIDELITE (6 TOTAL).
 2. SPACING FOR ITEM H (HINGE SIDE): EQUALLY SPACED BETWEEN HINGES (2 TOTAL).



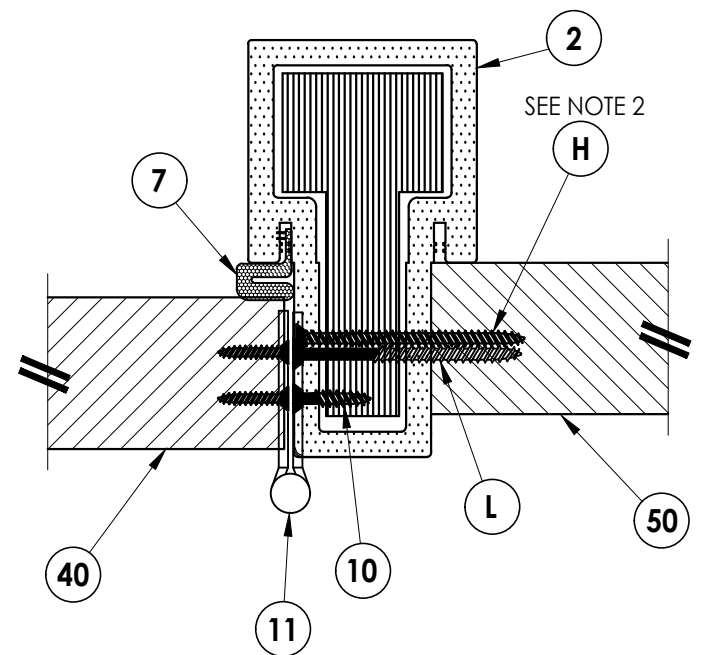
3 **HORIZONTAL CROSS SECTION**
6 Outswing Shown (Inswing Similar)
Integral Mullion

INTERIOR

EXTERIOR



2 **HORIZONTAL CROSS SECTION**
6 Outswing Shown (Inswing Similar)
Combination Mullion w/ Back-to-Back Jamb



4 **HORIZONTAL CROSS SECTION**
6 Outswing Shown (Inswing Similar)
Integral Mullion

INTERIOR

EXTERIOR

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

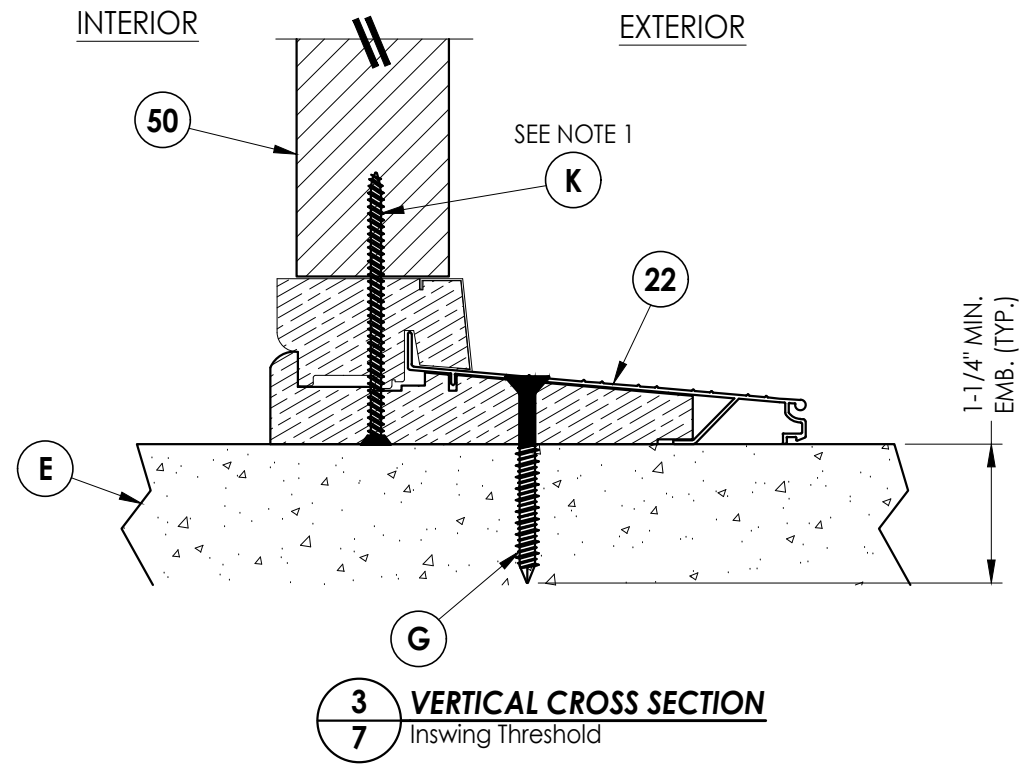
PRODUCT:
PENROD
COMPONENTS

PART OR ASSEMBLY:
HORIZONTAL CROSS
SECTIONS

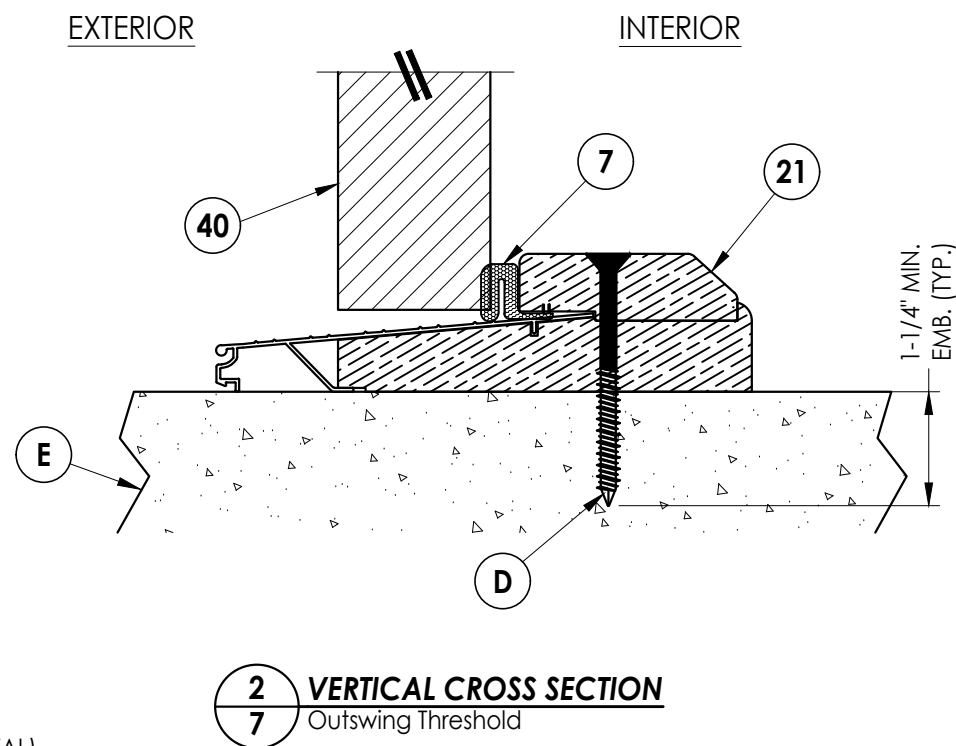
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		LFS
		BY

DATE:	2/09/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-37781.3
SHEET	6 OF 10

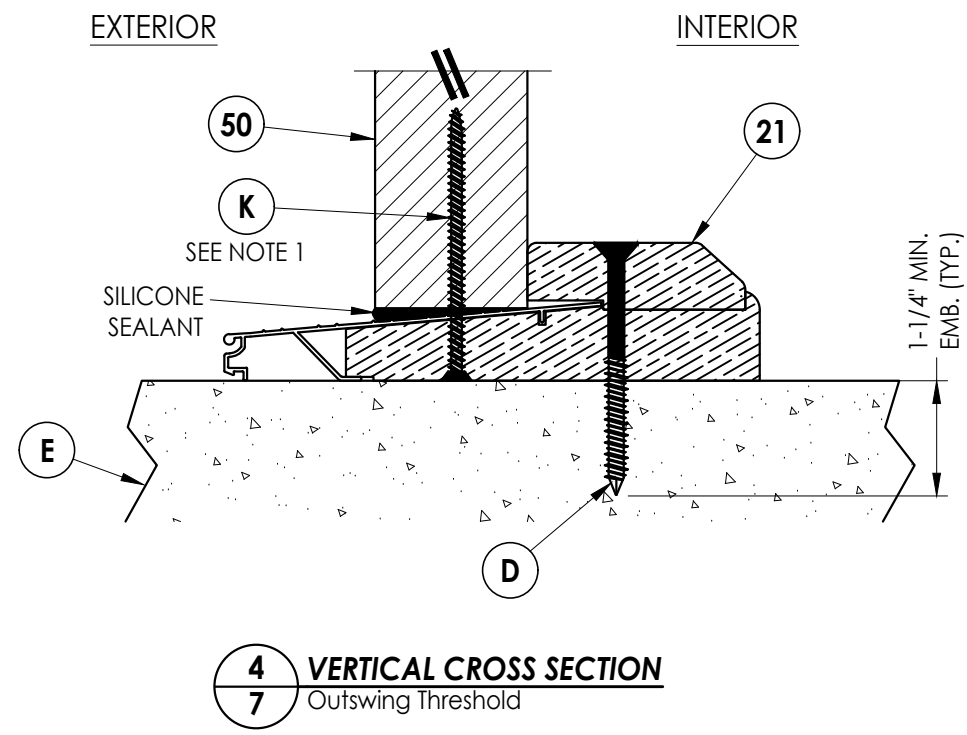
1 7 VERTICAL CROSS SECTION



3 VERTICAL CROSS SECTION



2 7 VERTICAL CROSS SECTION Outswing Threshold



4 7 VERTICAL CROSS SECTION Outswing Threshold

NOTE:
1. SPACING FOR ITEM K: 6" FROM ENDS (2 TOTAL).

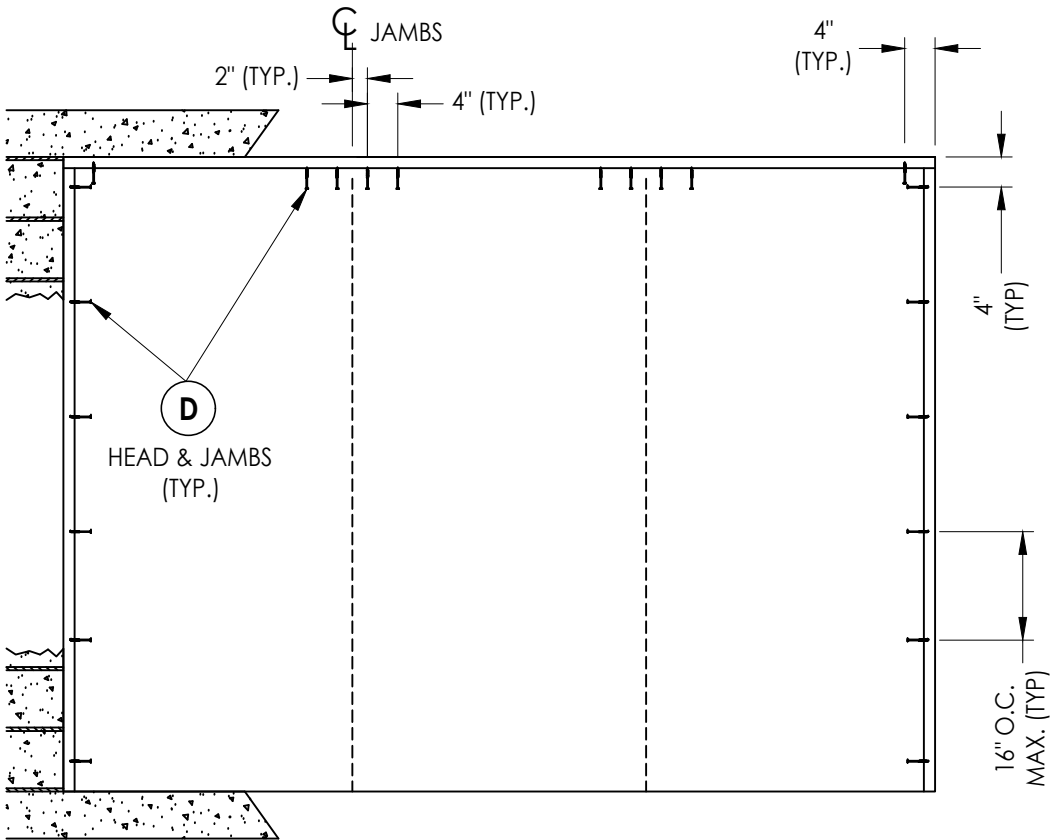
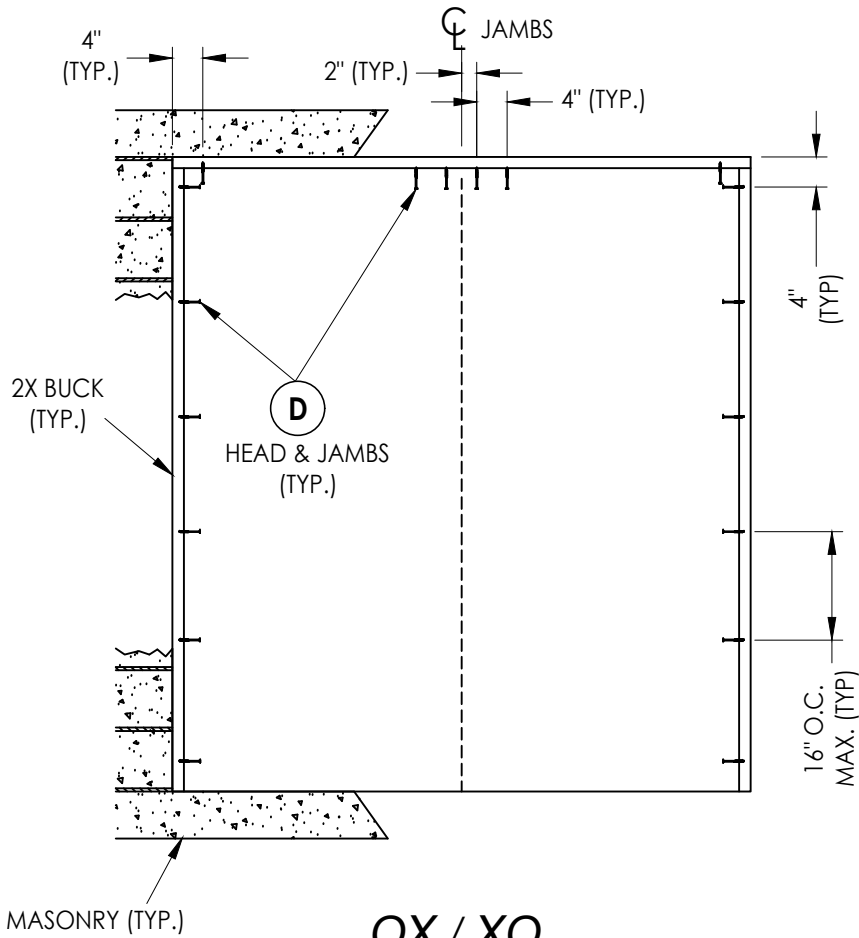
REVISIONS

NO.	DATE	UPDATE TO 8TH ED. (2023)	FBC	LFS	BY
1	8/21/23				

DATE: 2/09/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.:
FL-37781.3
SHEET 7 OF 10

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



2X BUCK ANCHORING

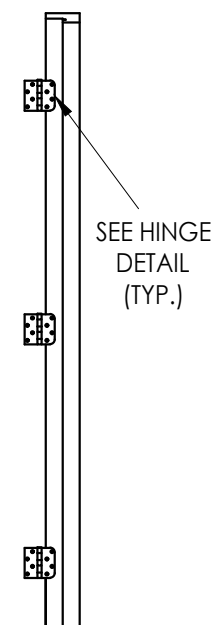
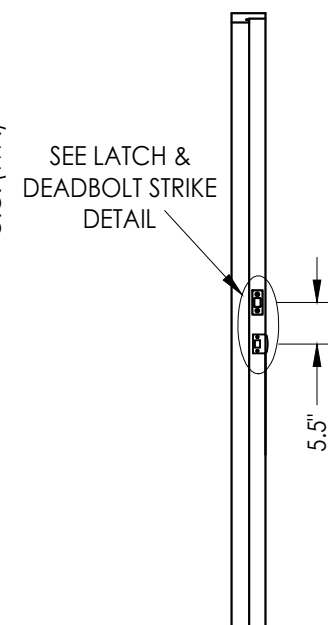
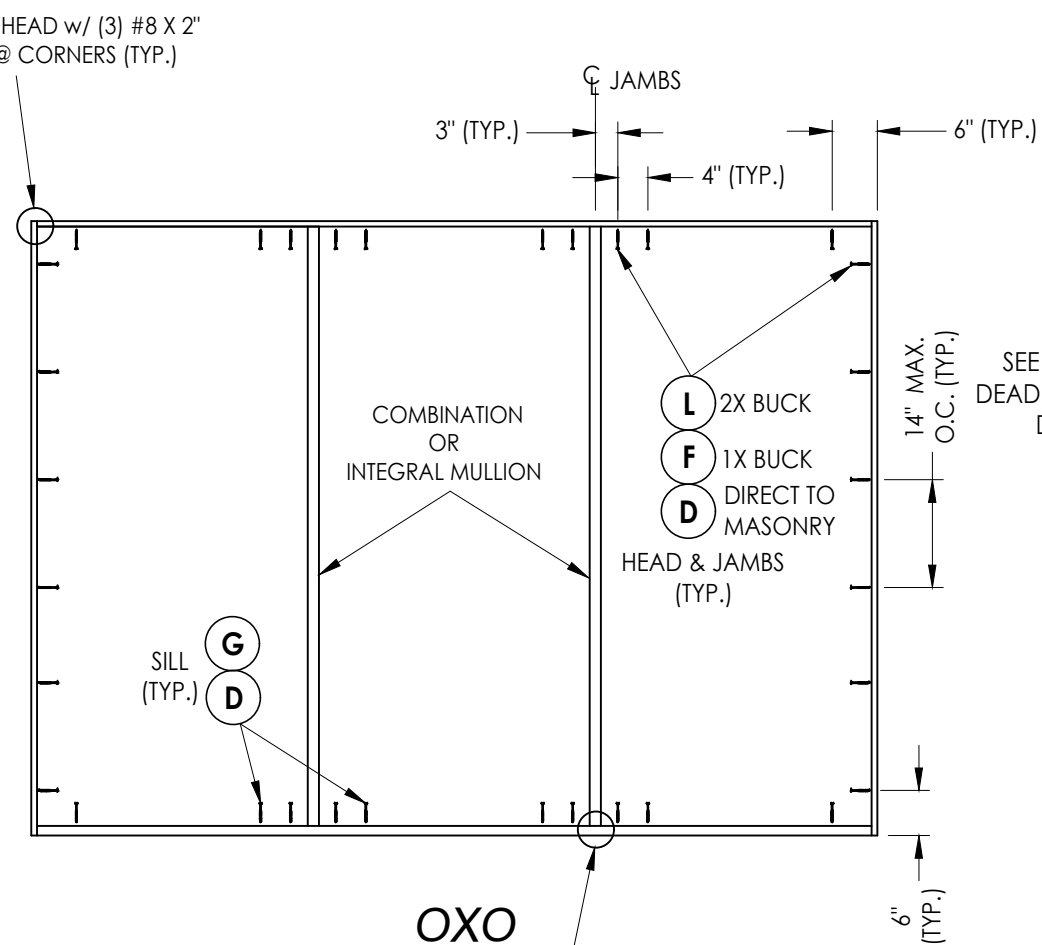
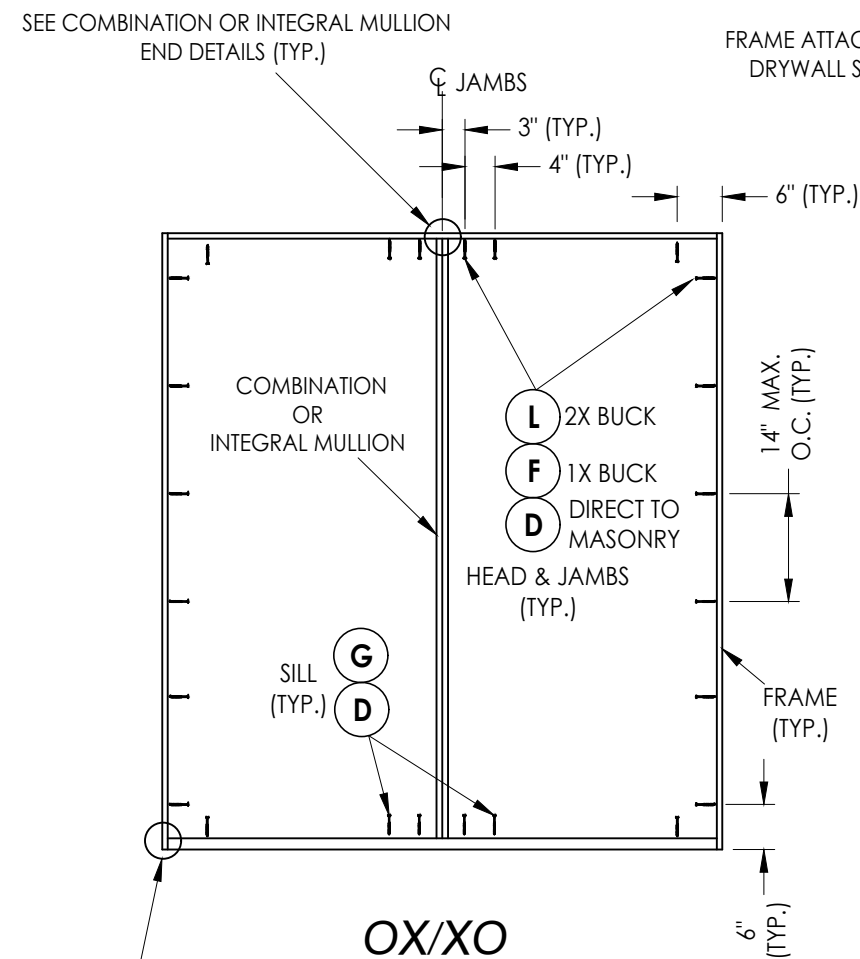
DATE: 2/09/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.:
FL-37781.3
SHEET 8 OF 10

NO.	DATE	REVISIONS
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

PRODUCT: PENROD COMPONENTS
PART OR ASSEMBLY: 2X BUCK ANCHORING

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



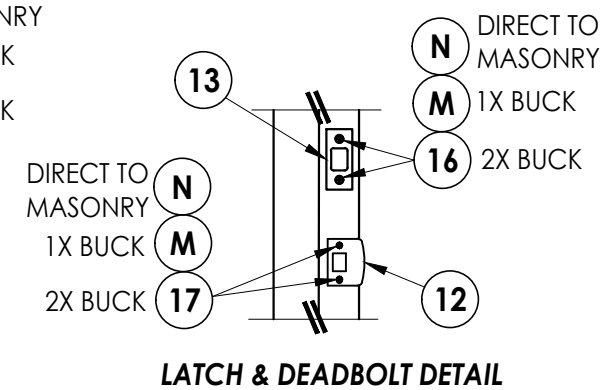
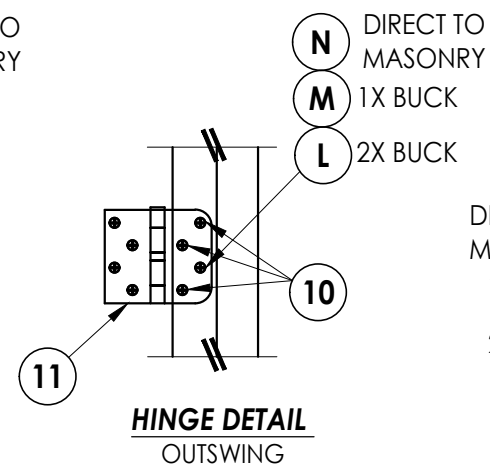
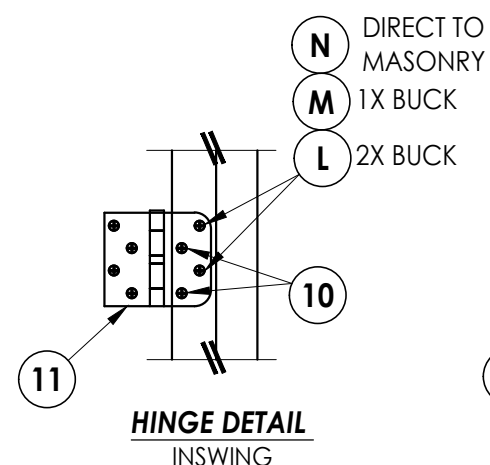
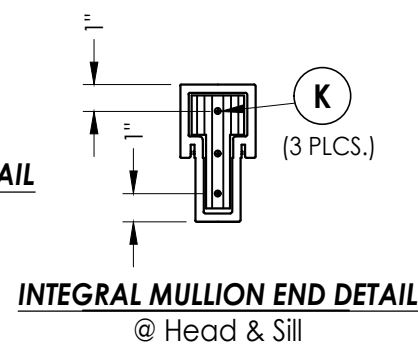
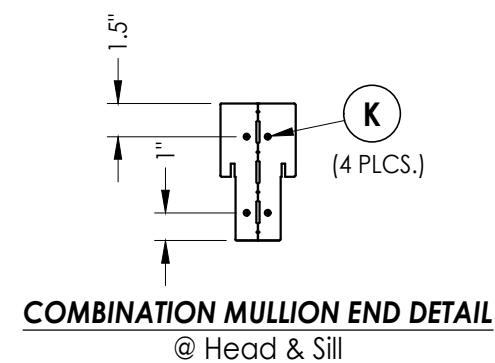
FRAME ANCHORING

FRAME ATTACHED TO SILL w/ (2) #8 X 2"
DRYWALL SCREWS PLUS (2) 1/2" CROWN X
2" LONG 16GA. STAPLES @ CORNERS (TYP.)

SEE COMBINATION OR INTEGRAL MULLION
END DETAILS (TYP.)

STRIKE JAMB/MULLION

HINGE JAMB/MULLION

[illegible]

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

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
H	#10 X 2-1/2" PFH SMS	STEEL
J	#10 X 2" PFH SMS	STEEL
K	#10 X 3" PFH SMS	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
1	COMPOSITE JAMB (PENROD)	COMP
2	COMPOSITE MULLION w/ LVL CORE (PENROD)	COMP/LVL
7	WEATHERSTRIP (PENROD)	FOAM
8	DOOR SWEEP	VINYL
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
16	#12 X 2-1/2" PFH WOOD SCREW	STEEL
17	#8 X 2-1/2" PFH WOOD SCREW	STEEL
20	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
21	OUTSWING THRESHOLD	ALUM/COMP
22	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
40	DOOR PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)	-
50	SIDELITE PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)	-

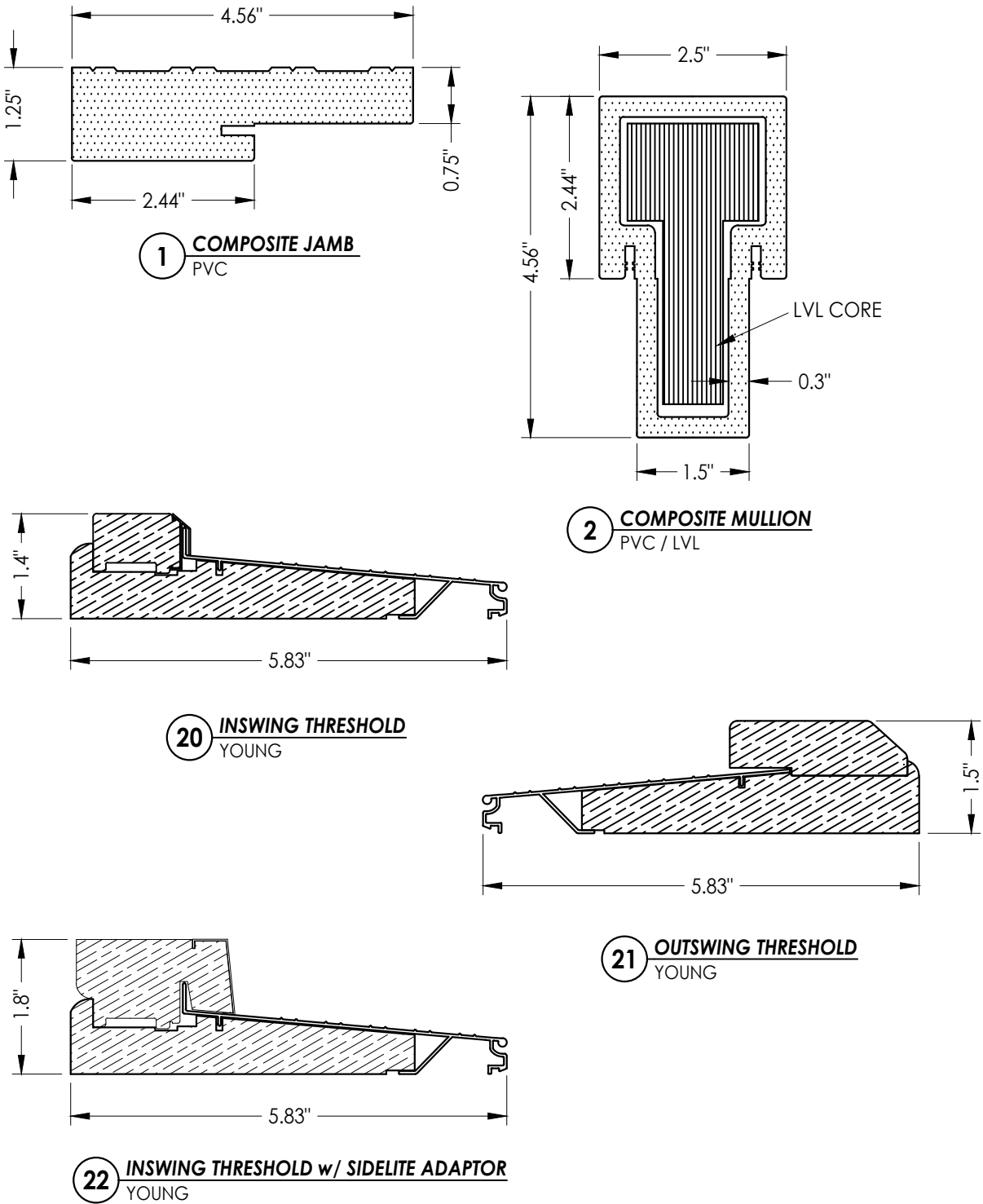
CONCRETE ANCHOR NOTES:

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.

[illegible]