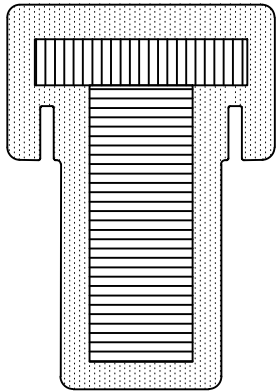
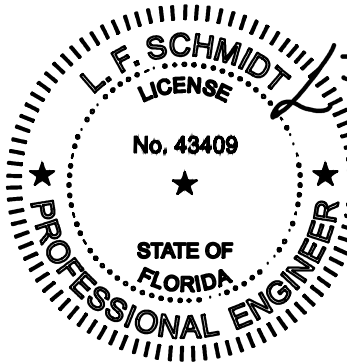


PENROD COMPOSITE JAMB



PENROD INTREGAL MULLION



Digitally signed
by Lyndon F
Schmidt
Date: 2024.02.27
15:01:08 -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.

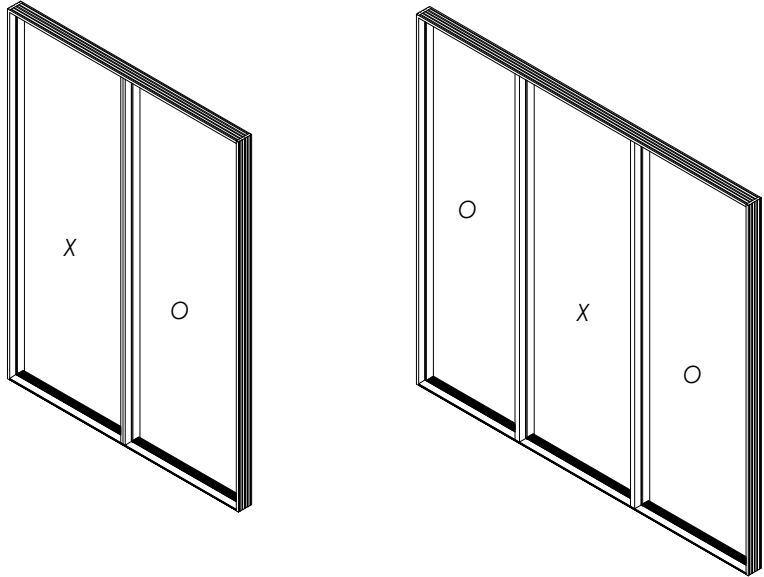
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

Composite Door Jamb Continuous Head & Sill Frame System INSWING "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	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	DESIGN PRESSURE (PSF) INSWING	
		POSITIVE	NEGATIVE
OX/XO	74.75" x 97.75"	+45.0	-50.0
OXO	112.0" x 97.75"	+45.0	-50.0

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P.E. No. 43409

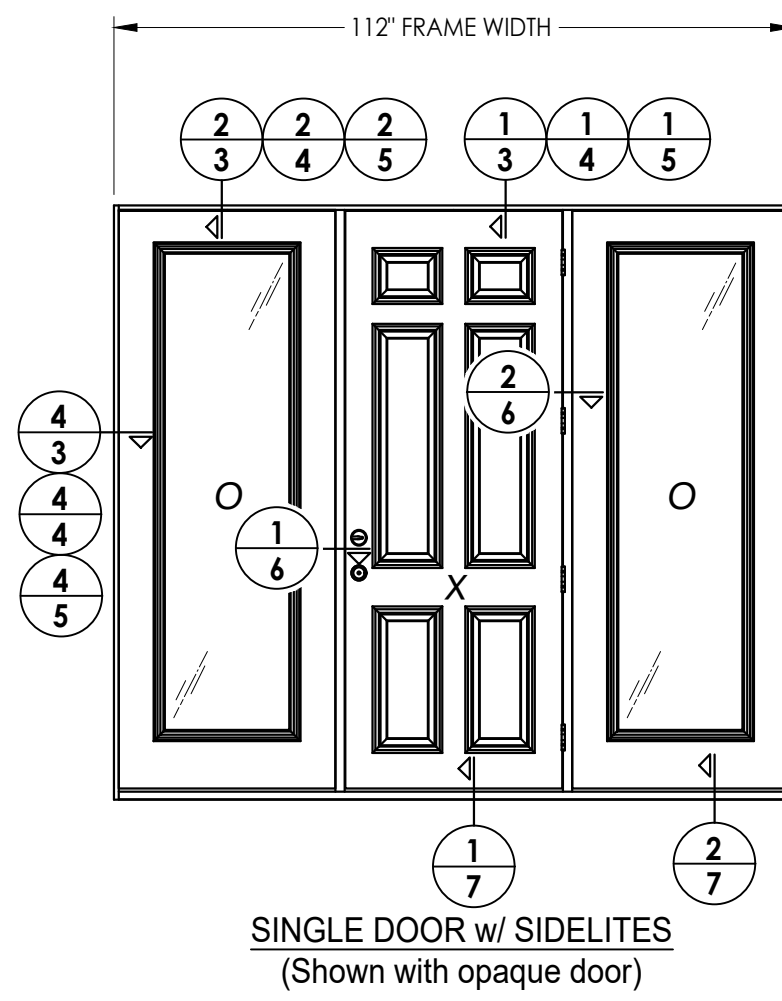
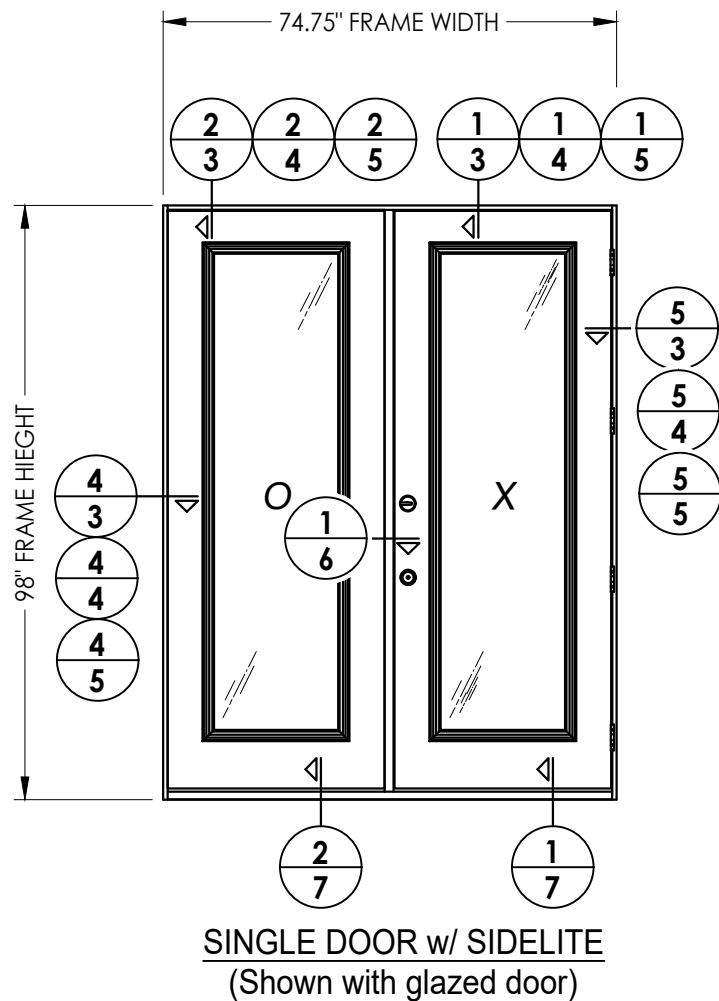
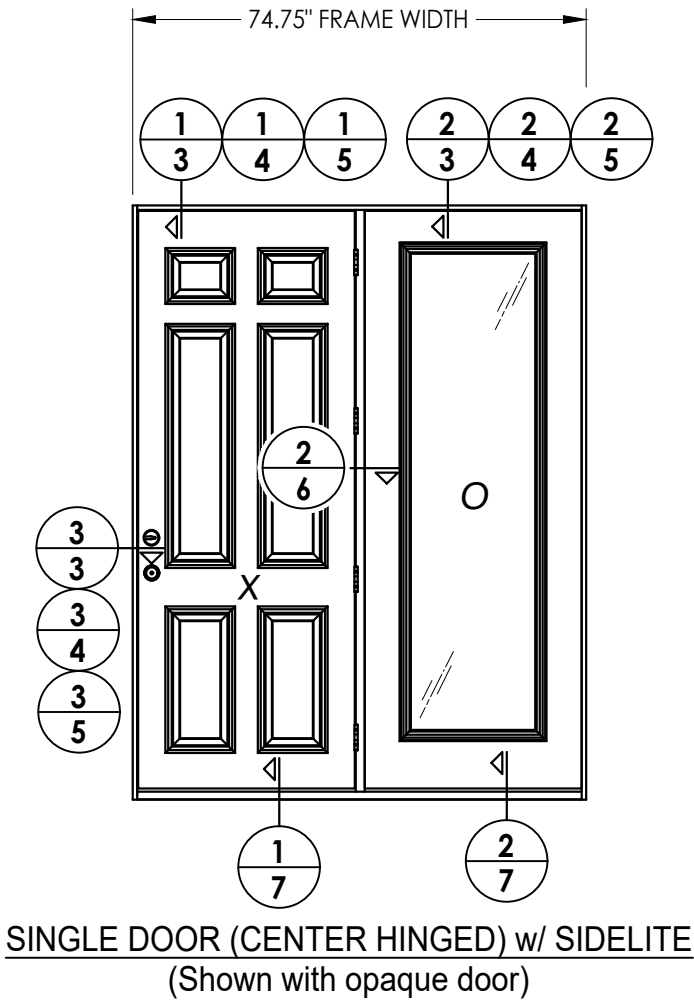
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

REVISIONS			
NO.	DATE	BY	

DATE: 2/26/24
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-37781.4
SHEET 1 OF 10

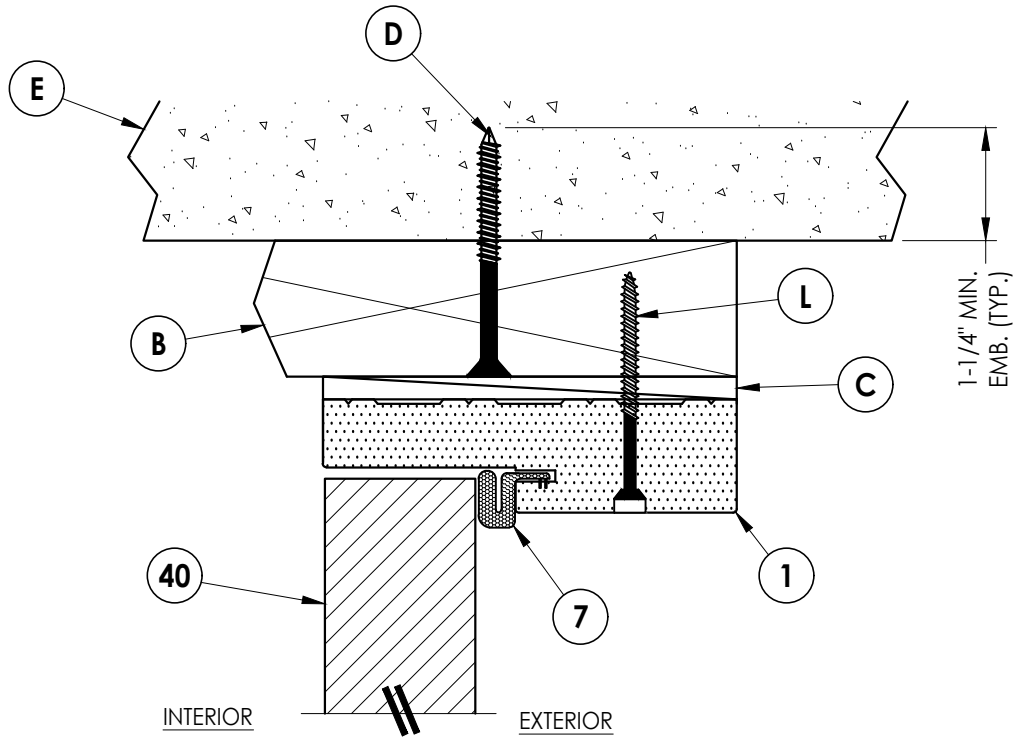
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NOTE:
SEE SEPARATE SIDE-HINGED DOOR & SIDELITE
FLORIDA PRODUCT APPROVAL FOR DOOR & SIDELITE
CONSTRUCTION DETAILS NOT SHOWN, INCLUDING
LOCK HARDWARE, ASTRAGAL & HINGE CONNECTIONS.

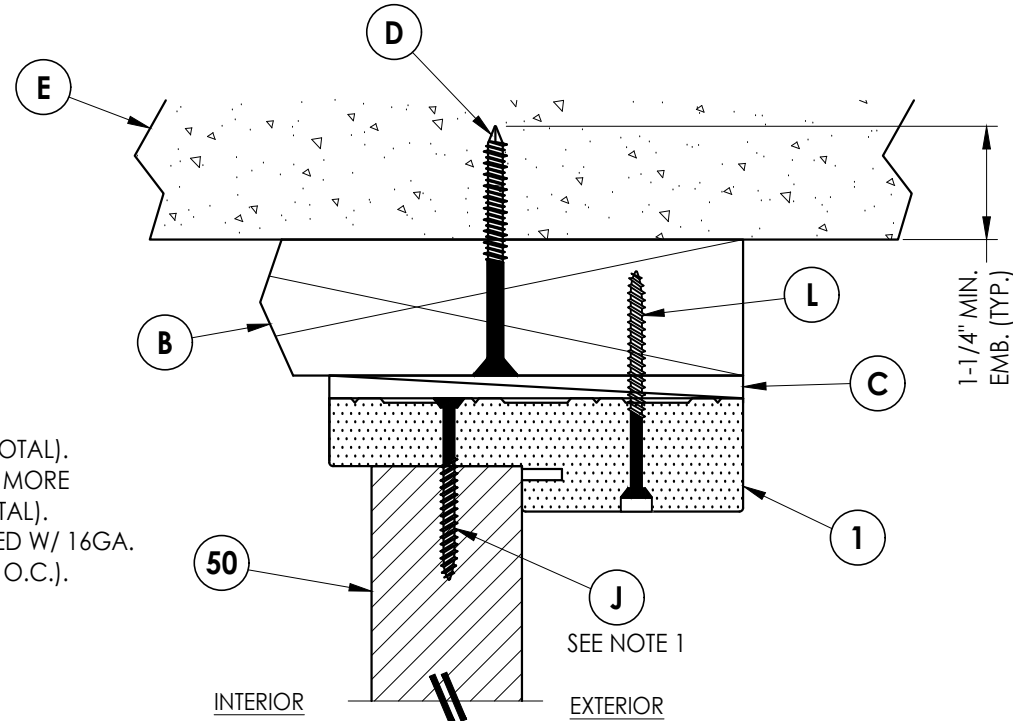
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: PENROD COMPONENTS		PART OR ASSEMBLY: ELEVATIONS	
		BY	
		NO. DATE	
		REVISIONS	
DATE: 2/26/24			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-37781.4			
SHEET 2 OF 10			

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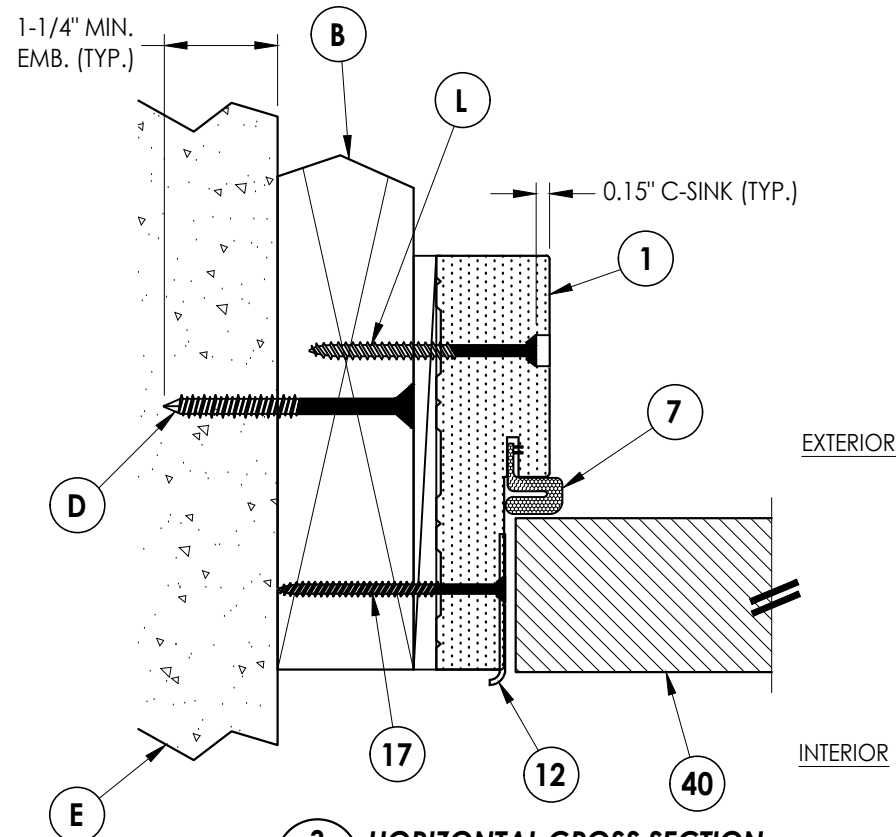


1
3 **VERTICAL CROSS SECTION**
2X Buck Construction
Inswing Shown

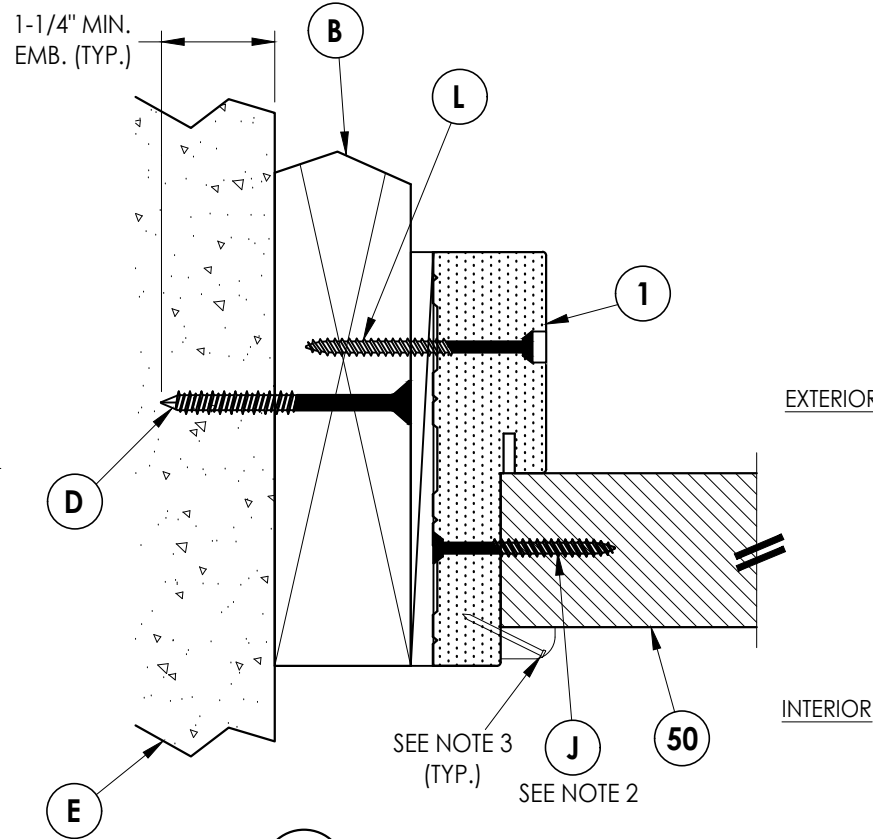
- NOTES:
1. SPACING FOR ITEM J: 6" FROM ENDS (2 TOTAL).
 2. SPACING FOR ITEM J: 6" FROM ENDS & 5 MORE EQUALLY SPACED ALONG SIDELITE (7 TOTAL).
 3. COMPOSITE TRIM (0.35" X 0.60") ATTACHED W/ 16GA. X 1" BRAD NAILS (3-1/2" FROM ENDS & 8" O.C.).



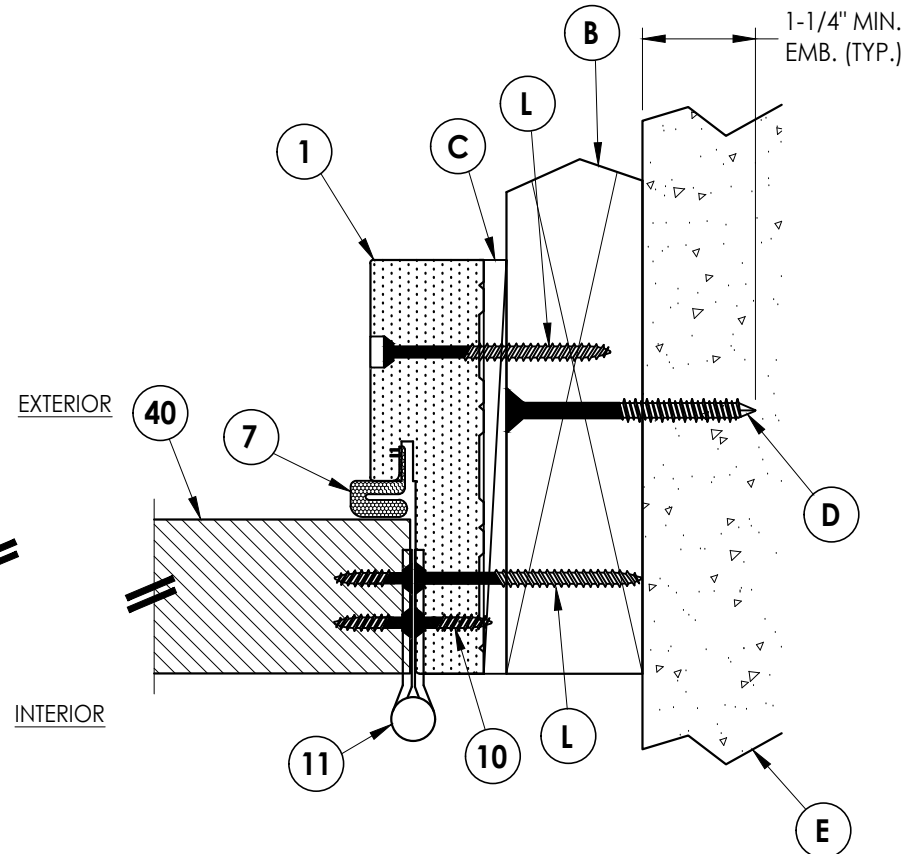
2
3 **VERTICAL CROSS SECTION**
2X Buck Construction
Inswing Shown



3
3 **HORIZONTAL CROSS SECTION**
2X Buck Construction
Inswing Shown



4
3 **HORIZONTAL CROSS SECTION**
2X Buck Construction
Inswing Shown



5
3 **HORIZONTAL CROSS SECTION**
2X Buck Construction
Inswing Shown

Documents Prepared By:
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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

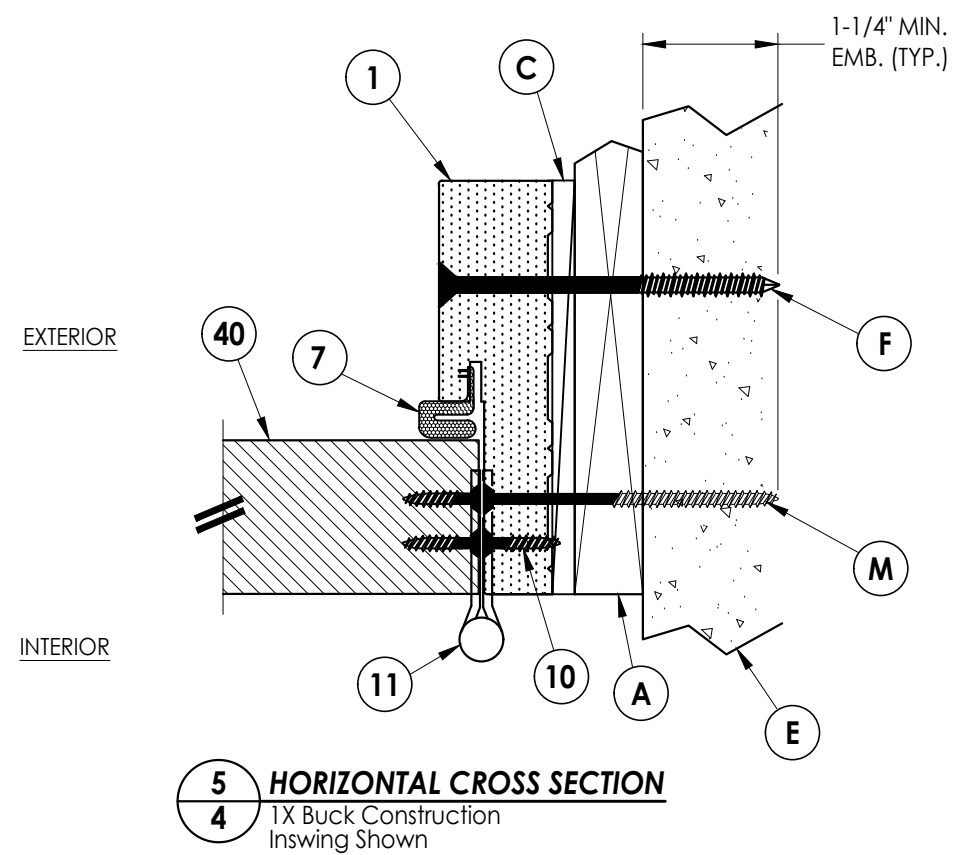
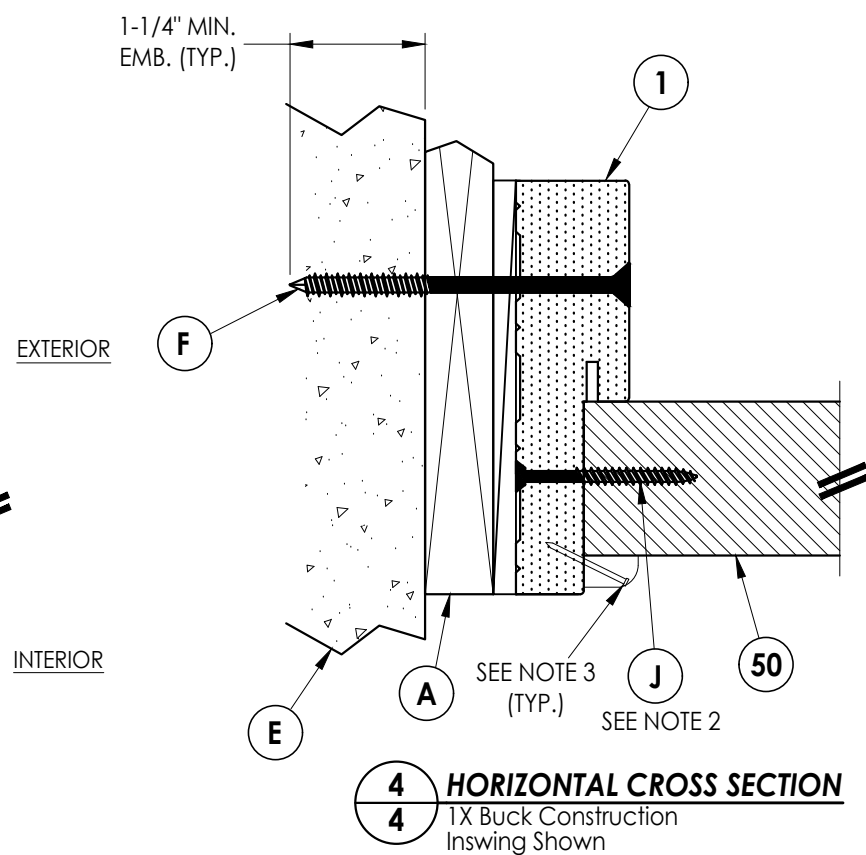
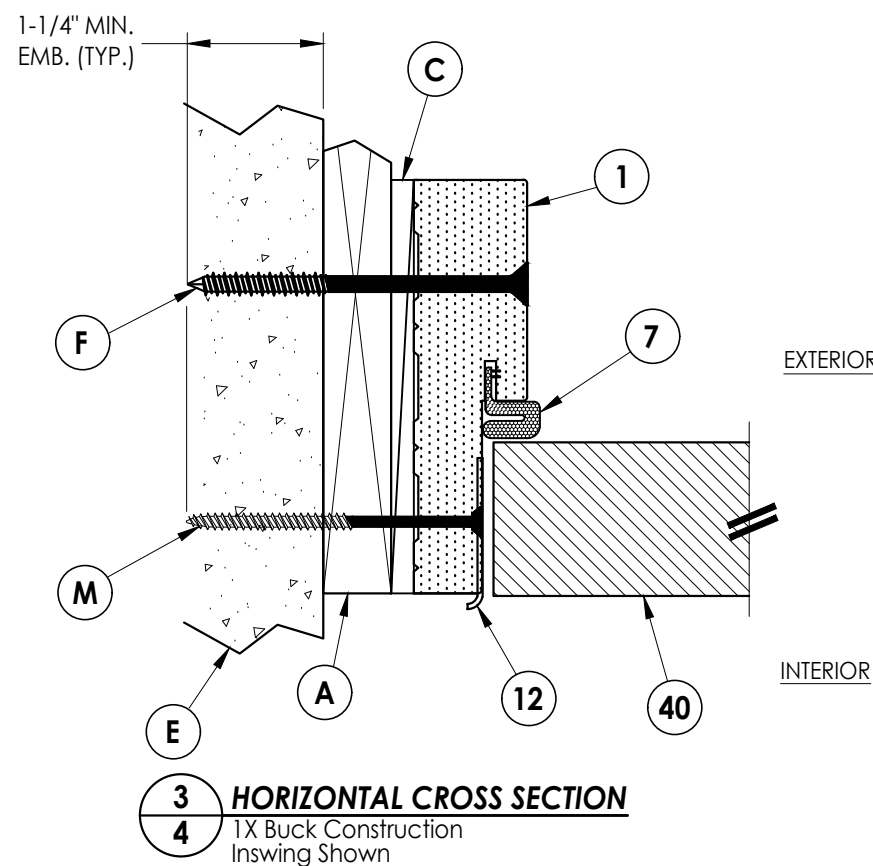
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

NO.	DATE	BY	REVISIONS

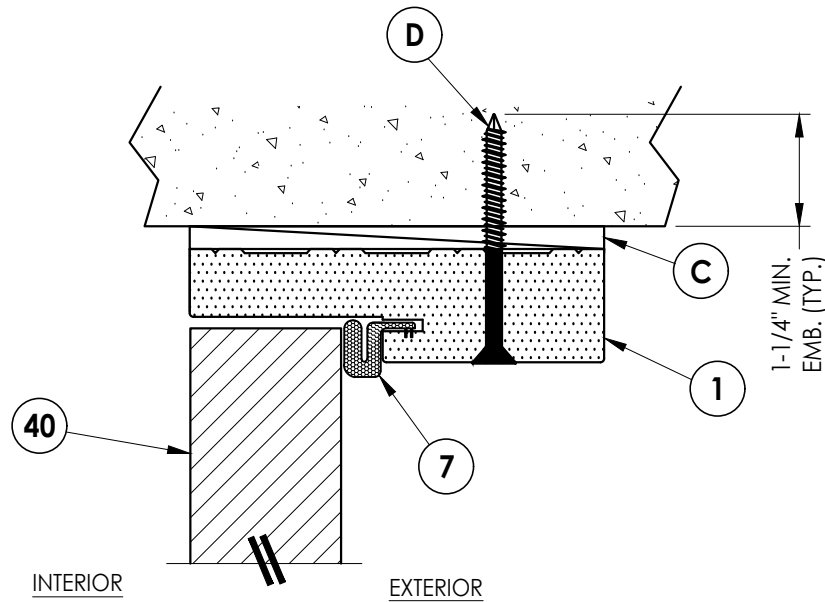
DATE: 2/26/24
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-37781.4
SHEET 3 OF 10



- NOTES:
1. SPACING FOR ITEM J: 6" FROM ENDS (2 TOTAL).
 2. SPACING FOR ITEM J: 6" FROM ENDS & 5 MORE EQUALLY SPACED ALONG SIDELITE (7 TOTAL).
 3. COMPOSITE TRIM (0.35" X 0.60") ATTACHED W/ 16GA. X 1" BRAD NAILS (3-1/2" FROM ENDS & 8" O.C.).

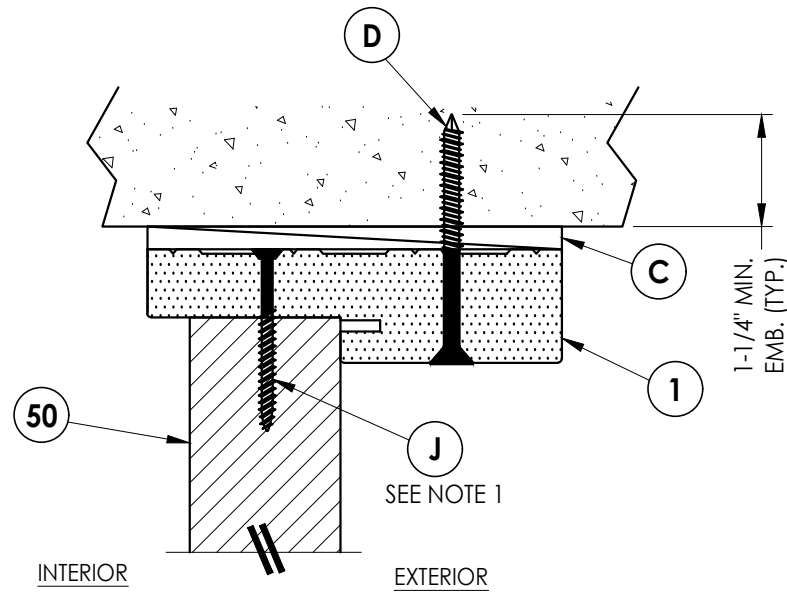
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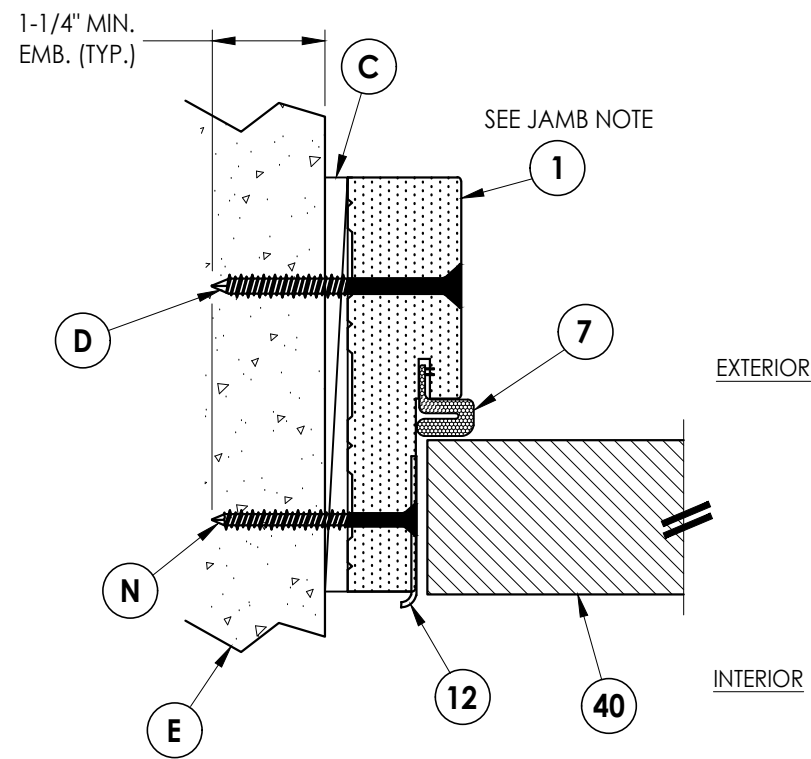


1
5 **VERTICAL CROSS SECTION**
Direct to Masonry
Inswing Shown

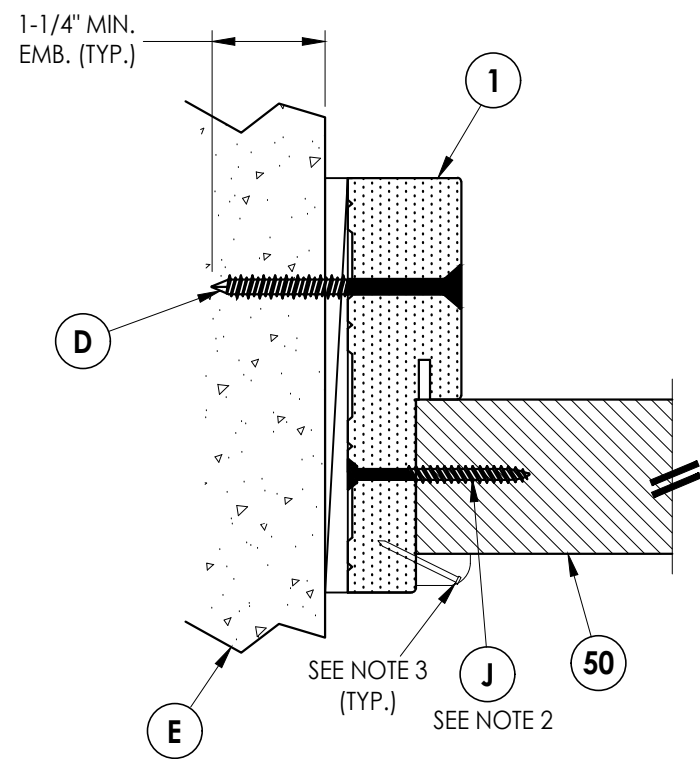
- NOTES:
1. SPACING FOR ITEM J: 6" FROM ENDS (2 TOTAL).
 2. SPACING FOR ITEM J: 6" FROM ENDS & 5 MORE EQUALLY SPACED ALONG SIDELITE (7 TOTAL).
 3. COMPOSITE TRIM (0.35" X 0.60") ATTACHED W/ 16GA. X 1" BRAD NAILS (3-1/2" FROM ENDS & 8" O.C.).



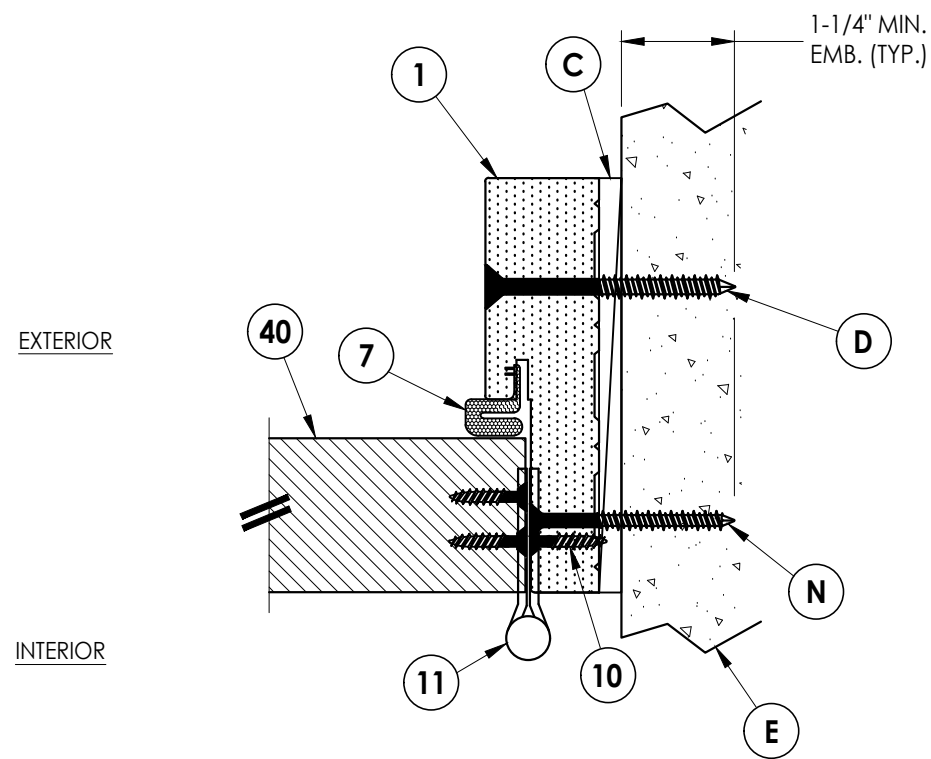
2
5 **VERTICAL CROSS SECTION**
Direct to Masonry
Inswing Shown



3
5 **HORIZONTAL CROSS SECTION**
Direct to Masonry
Inswing Shown



4
5 **HORIZONTAL CROSS SECTION**
Direct to Masonry
Inswing Shown



5
5 **HORIZONTAL CROSS SECTION**
Direct to Masonry
Inswing Shown

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)

REVISIONS	
NO.	DATE

DATE: 2/26/24

SCALE: N.T.S.

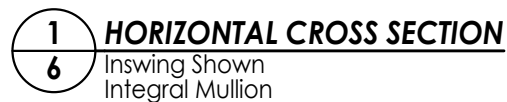
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-37781.4

SHEET 5 OF 10

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. COMPOSITE TRIM (0.35" X 0.60") ATTACHED W/ 16GA. X 1" BRAD NAILS (3-1/2" FROM ENDS & 8" O.C.).



INTERIOR

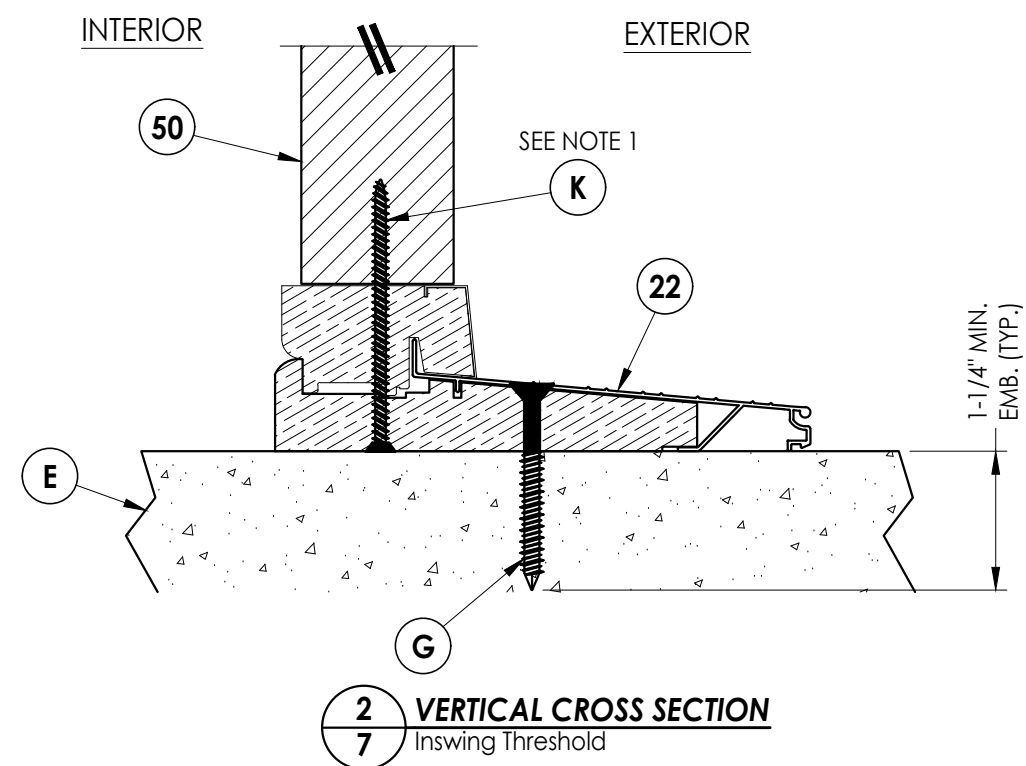
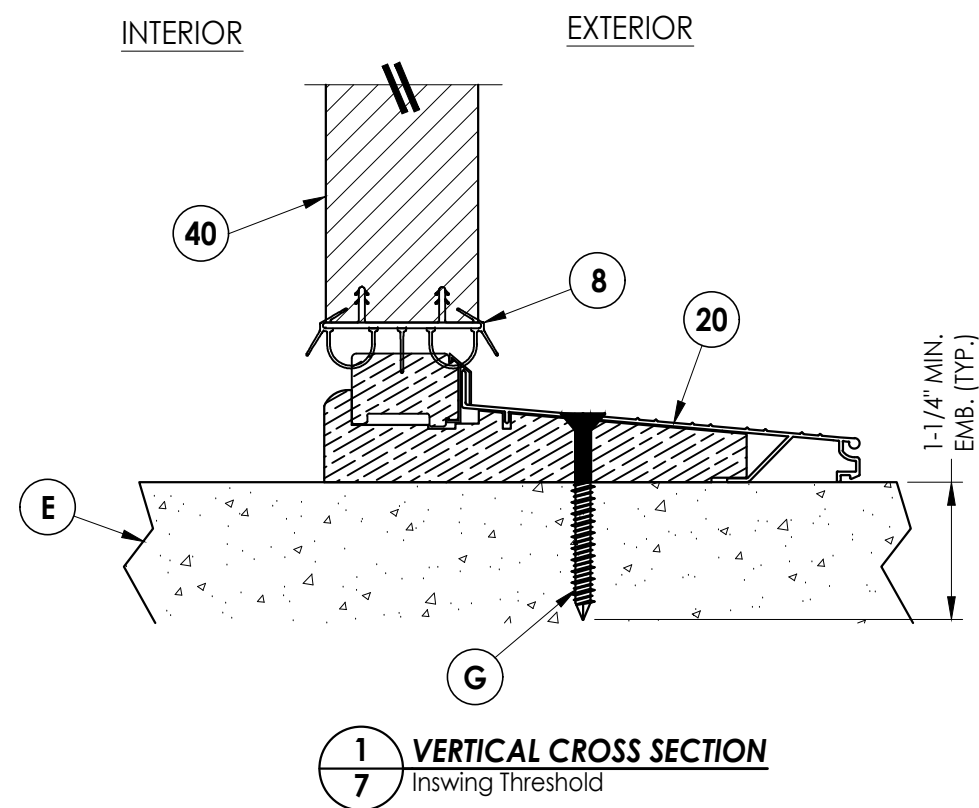


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PART OR ASSEMBLY:
HORIZONTAL CROSS
SECTIONS

[illegible]

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SCALE:	N.T.S.
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DRAWING NO.:	FL-37781.4
SHEET	6 OF 10



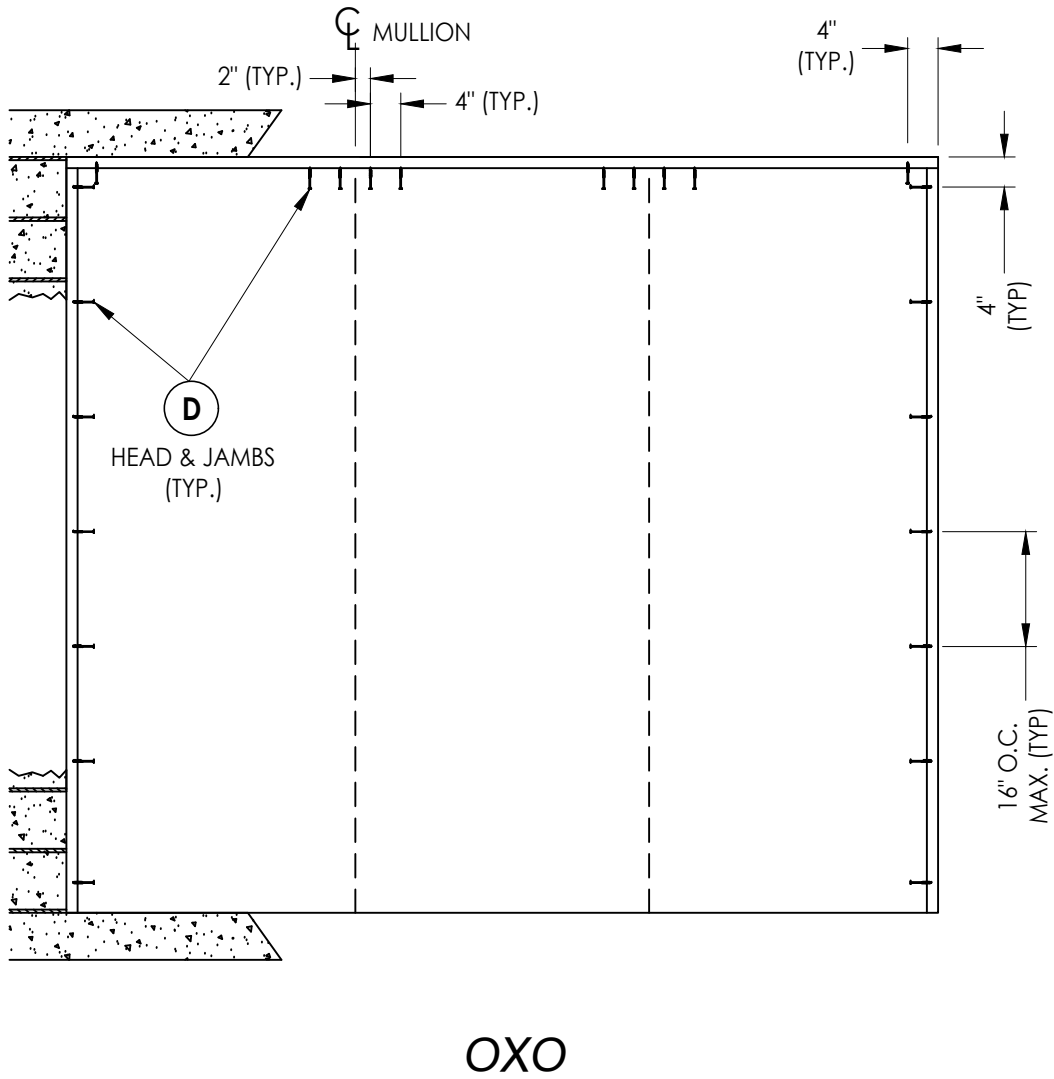
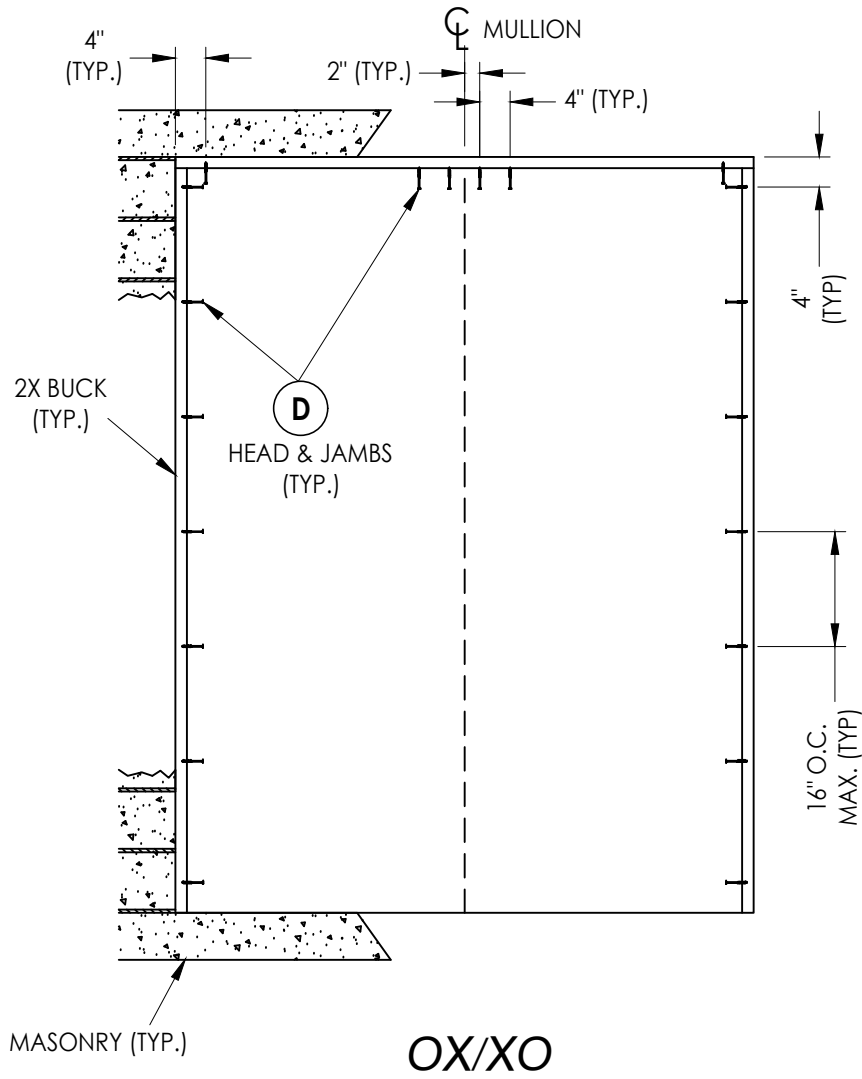
NOTE:
1. SPACING FOR ITEM K: 6" FROM ENDS (2 TOTAL).

[illegible]

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FBPE Registry No. 9813

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2X BUCK ANCHORING

DATE: 2/26/24	
SCALE: N.T.S.	
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CHK. BY: LFS	
DRAWING NO.: FL-37781.4	
SHEET 8	OF 10

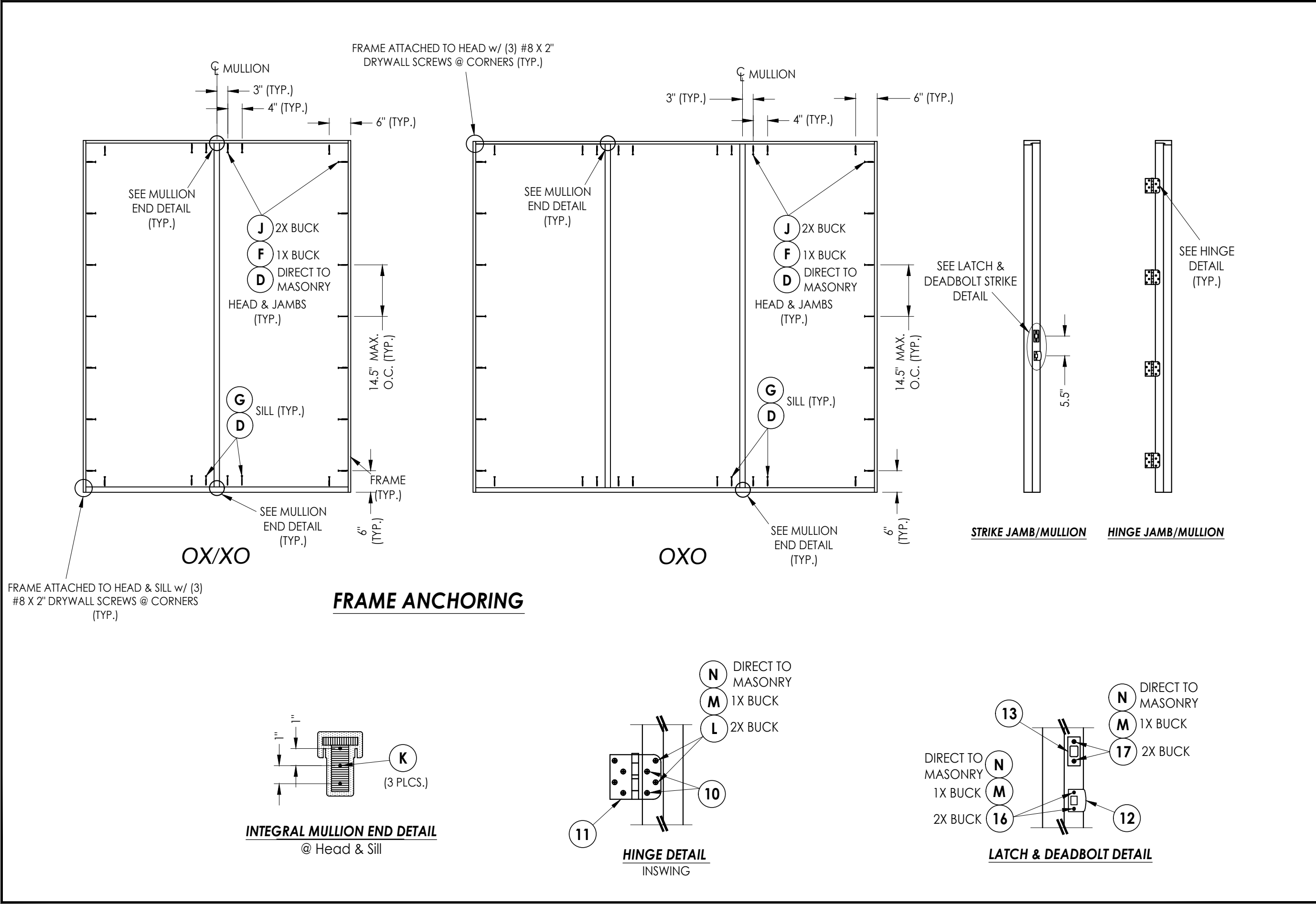
NO.	DATE	REVISIONS	BY

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

Documents Prepared By:
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FBPE Registry No. 9813

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PRODUCT: PENROD COMPONENTS		PART OR ASSEMBLY: FRAME ANCHORING & HARDWARE DETAILS	

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
3	COMPOSITE MULLION w/ ENG. LUMBER 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 THRESHOLD	ALUM/COMP
22	INSWING THRESHOLD w/ SIDELITE ADAPTOR	ALUM/COMP
40	DOOR PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)	-
50	SIDELITE PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)	-

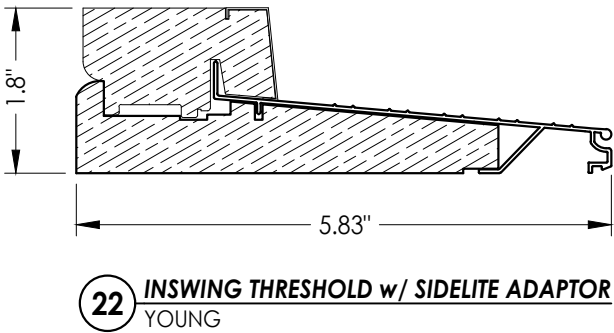
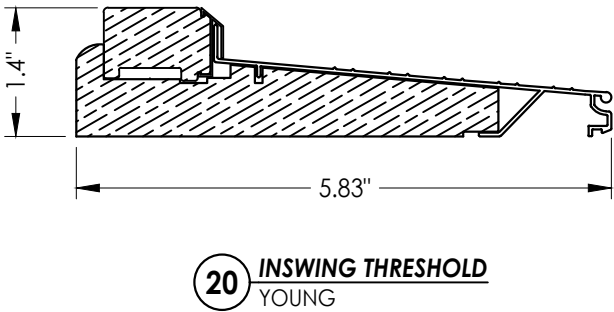
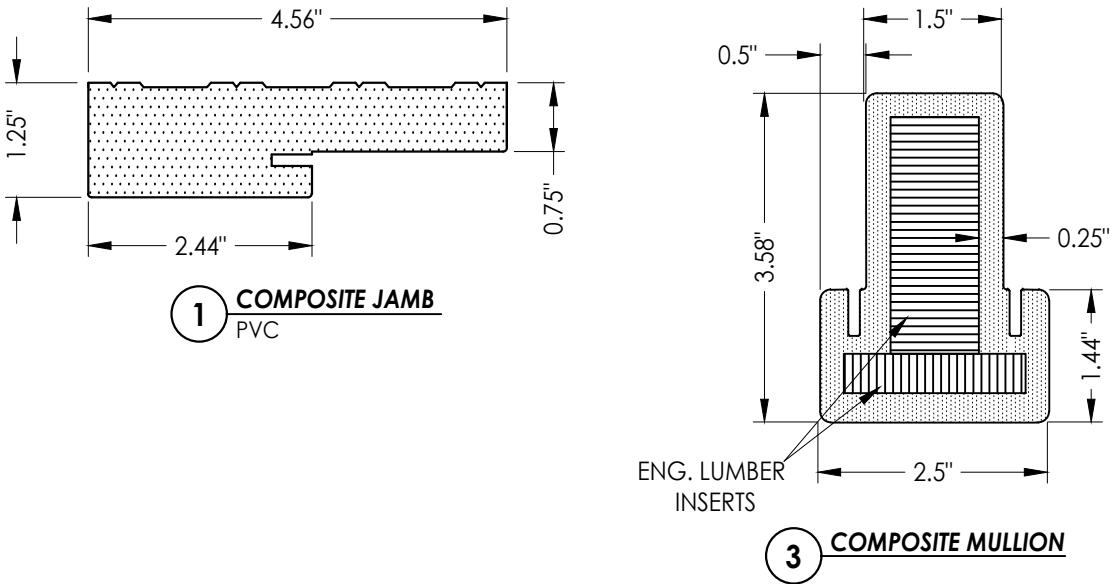
CONCRETE ANCHOR NOTES:

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]