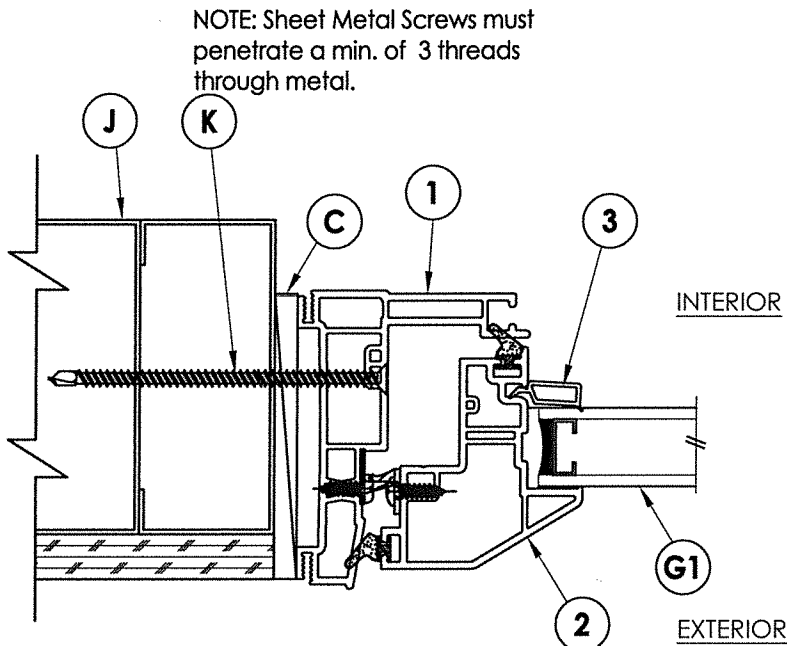
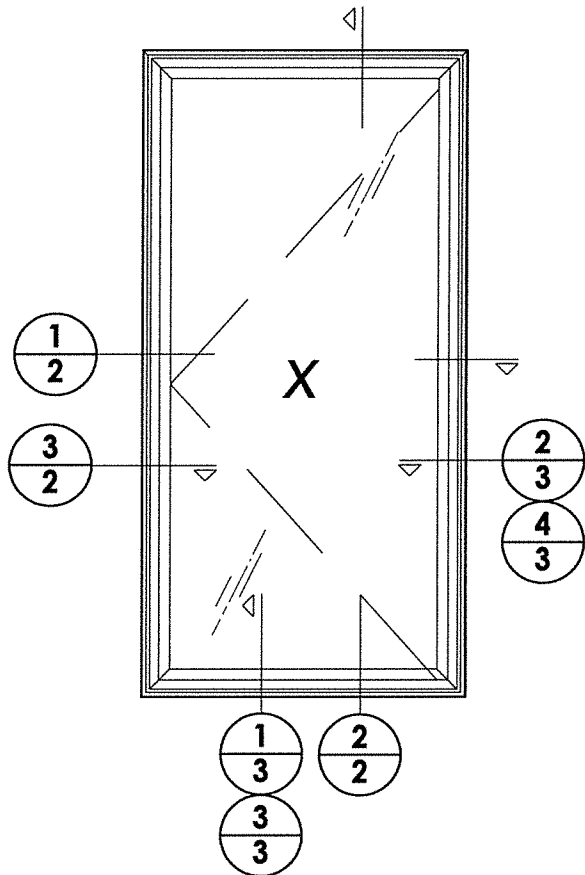
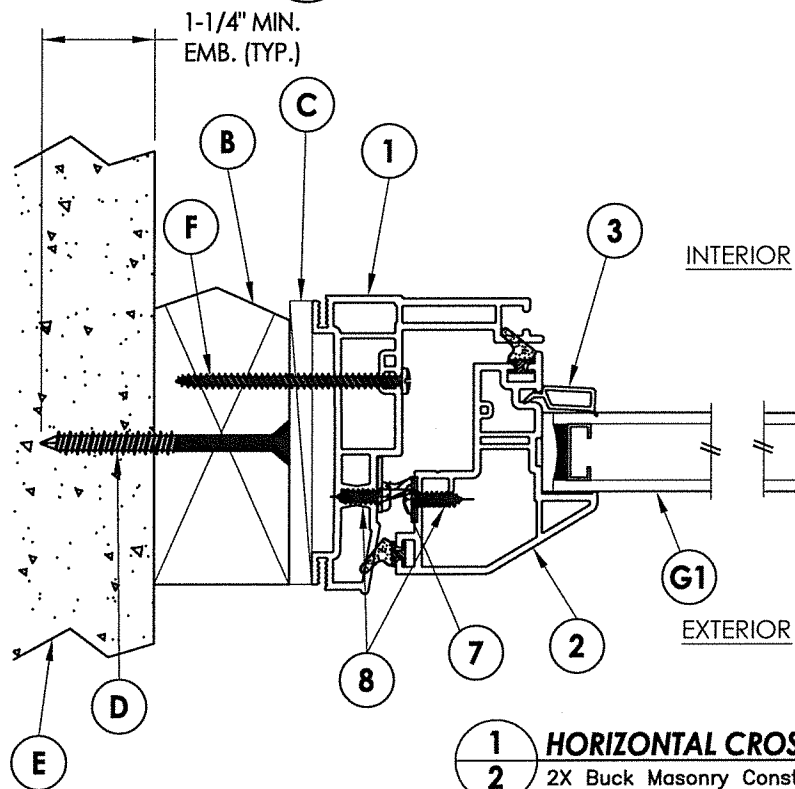


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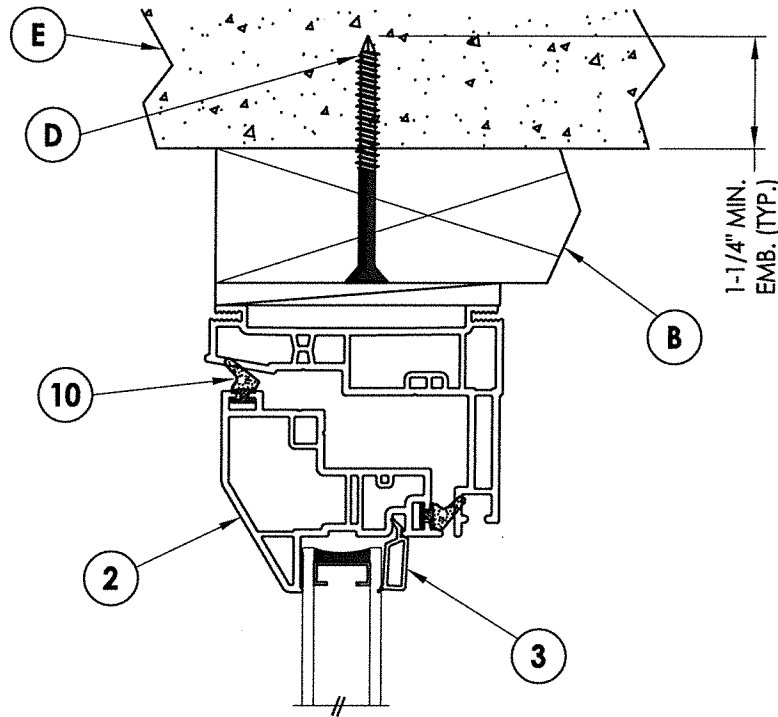
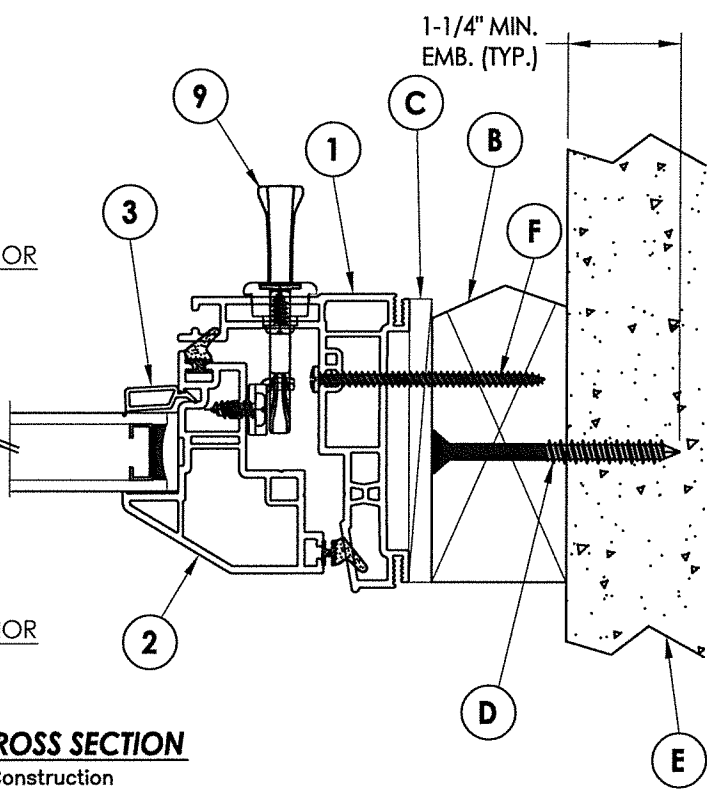


3 HORIZONTAL CROSS SECTION
2 Shown w/ Steel Stud Framing Option

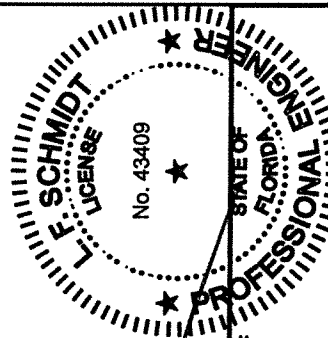
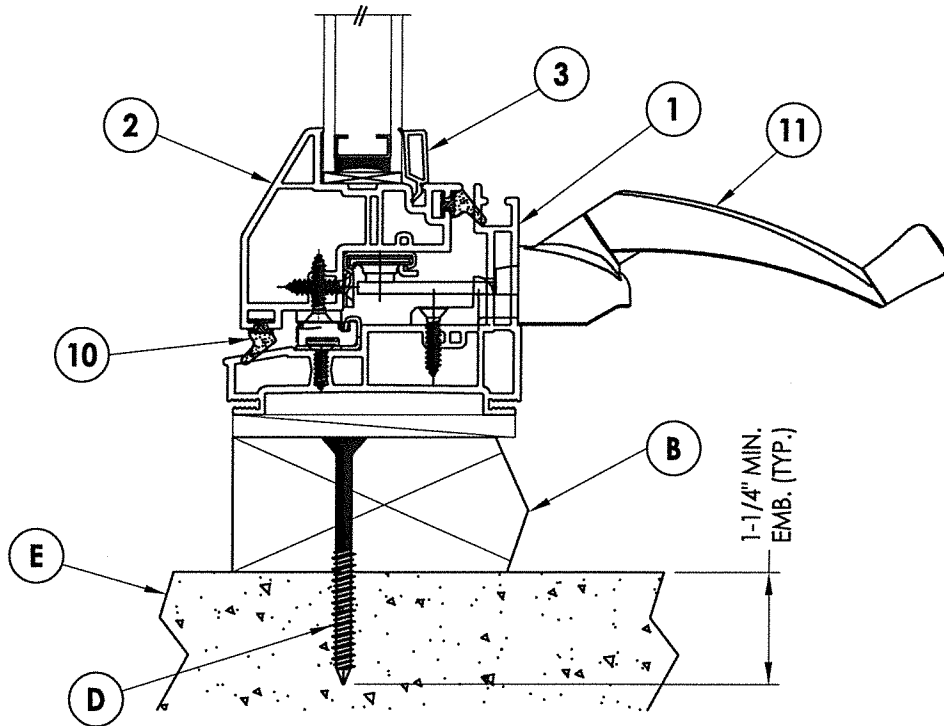
NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through metal.



1 HORIZONTAL CROSS SECTION
2 2X Buck Masonry Construction



2 VERTICAL CROSS SECTION
2 2X Buck Masonry Construction



07/28/2020
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PRODUCT:		Doers	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
4	7/28/20	UPDATE TO 7TH ED. (2020)	FBC DAC
3	9/22/17	UPDATE TO 6TH ED. (2017)	FBC JK
2	4/14/16	REVISED GENERAL NOTES	JK
1	6/17/15	UPDATE TO 5TH ED. (2014)	FBC LFS

DATE: 12/14/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15097.2
SHEET 2 OF 5

A technical cross-section diagram of a window frame assembly. The diagram shows the interior side on the left and the exterior side on the right. Key components are labeled with circled numbers and letters:

- 9**: Points to the top vertical part of the frame.
- 1**: Points to the main horizontal frame body.
- C**: Points to the weatherstripping or sealant at the top edge.
- 3**: Points to a small component, possibly a hinge or pin, near the interior sash.
- G1**: Points to the interior sash or glass unit.
- 2**: Points to the bottom horizontal part of the frame.
- D**: Points to a bolt or screw securing the frame to the wall.
- E**: Points to the exterior wall or substrate.

Additional labels include "INTERIOR" on the left and "EXTERIOR" on the bottom left. A dimension line at the top right indicates a minimum distance of "1-1/4\" MIN." from the centerline of the frame to the exterior wall, labeled "EMB. (TYP.)".

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Diagram illustrating the window frame assembly options:

- D** DIRECT TO MASONRY
- F** 2X BUCK
- I** 1X BUCK TYP.

Labels and callouts in the diagram include:

- FRAME
- 2X SUB BUCK
- MASONRY OPENING



07/28/2020

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ASSEMBLY:
BUCK & FRAME
ANCHORING

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO 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	#8 X 2-1/2" PPH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
I	1/4" X 3-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
J	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 ksi min., Fu=45 ksi min.)	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
1	EXTRUDED VINYL FRAME *	RIGID PVC
2	EXTRUDED VINYL SASH *	RIGID PVC
3	EXTRUDED VINYL GLAZING BEAD *	RIGID PVC
4	GLASS SETTING BLOCK	-
5	GLAZING TAPE - DOUBLE SIDE ADHESIVE	-
7	SNUBBER	STEEL
8	#9 X 9/16" PPH SMS	STEEL
9	LOCK ASSEMBLY	STEEL
10	FOAMTITE SEAL	-
11	SINGLE ARM OPERATOR	-

* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".

