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DATE: 10/10/17		8/04/20		1	
SCALE: N.T.S.		UPDATE TO 7th ED. (2020) FBC		DAC	
DWG. BY: JK		NO. DATE		BY	
CHK. BY: LFS		REVISIONS			
DRAWING NO.: FL-16854.18					
SHEET 1 OF 7					
PRODUCT: SINGLE HUNG WINDOW					
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES					
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409					
August 04, 2020					
No. 43409					
F. SCHMIDT LICENSE					
STATE OF FLORIDA PROFESSIONAL ENGINEER					
BUILDING CONSULTANTS, INC.					
P.O. Box 230, Valrico, FL 33595					
Phone No.: 813.659.9197					
FBPE Registry No. 9813					

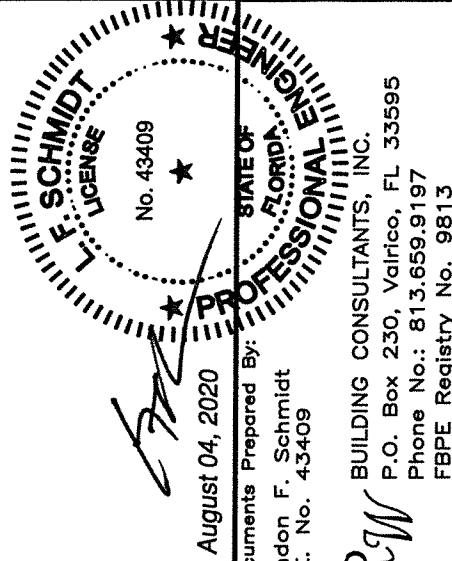
[illegible]

SHEET 2 OF 7

PART OR ASSEMBLY:

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

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1 **HORIZONTAL CROSS SECTION**
3 2X Buck Masonry Construction

A detailed cross-sectional diagram of a door lock assembly. The diagram is divided into two main sections: 'EXTERIOR' on the left and 'INTERIOR' on the right. Various components are labeled with circled numbers: 3 points to the exterior door frame; 4 points to the interior door frame; 5 points to the exterior door edge; 12 points to the exterior door edge; 14 points to the interior door edge; 21 points to the lock cylinder; 22 points to the lock cylinder; 31 points to the lock cylinder. A line points to the top of the lock assembly with the text 'SEE NOTE 1'.

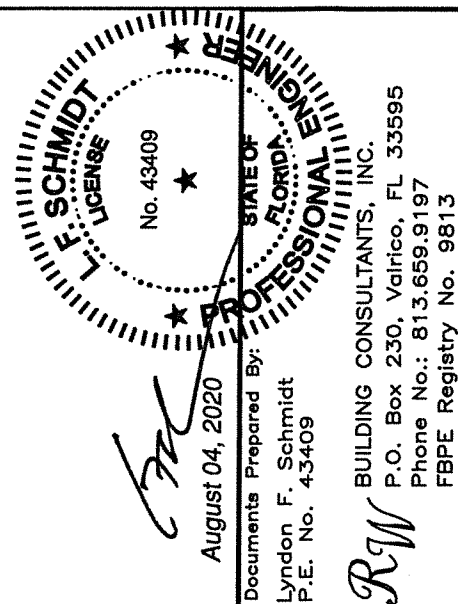
Technical cross-section diagram of a window assembly. The diagram illustrates the internal structure of the window frame and its connection to the surrounding wall. Key components are labeled as follows:

- 1**: Points to the main window frame profile.
- 2**: Points to a secondary seal or drainage channel within the frame.
- 5**: Points to a small component, possibly a pin or screw, located near the top of the frame.
- G1**: Points to the top edge of the window frame.
- C**: Points to the upper part of the anchor bolt.
- B**: Points to the middle section of the anchor bolt.
- D**: Points to the lower, threaded section of the anchor bolt.
- H**: Points to the concrete wall into which the anchor bolt is embedded.
- E**: Points to the outer edge of the concrete wall.

Dimensional specifications on the right side of the diagram:

- 1-1/4" MIN.**: Indicates the minimum length of the anchor bolt embedded in the wall.
- EMB. (TYP.)**: Stands for "Embedded (Typical)".

2 **VERTICAL CROSS SECTION**
 3 2X Buck Masonry Construction

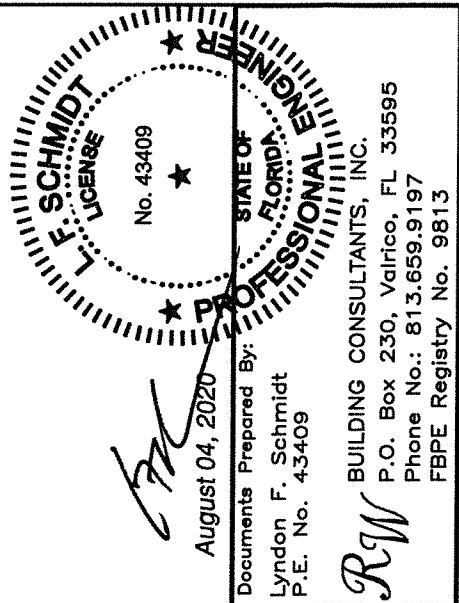
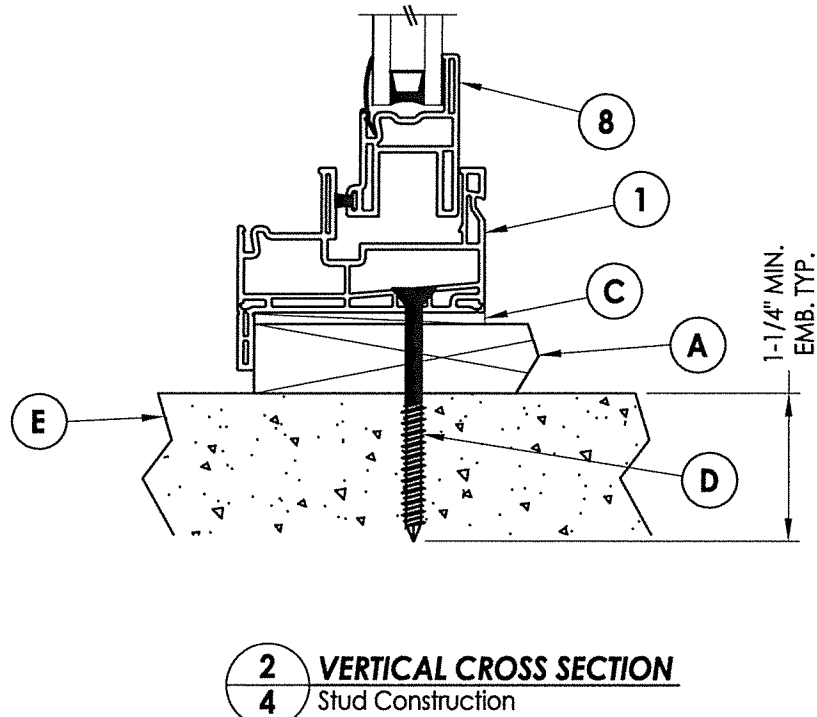
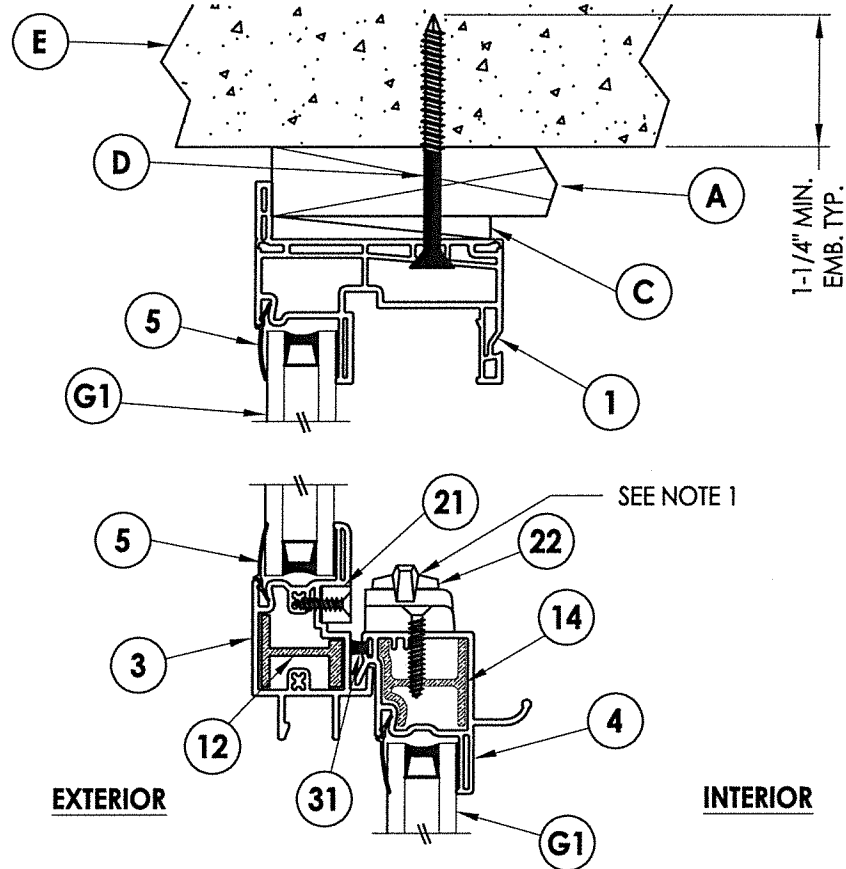
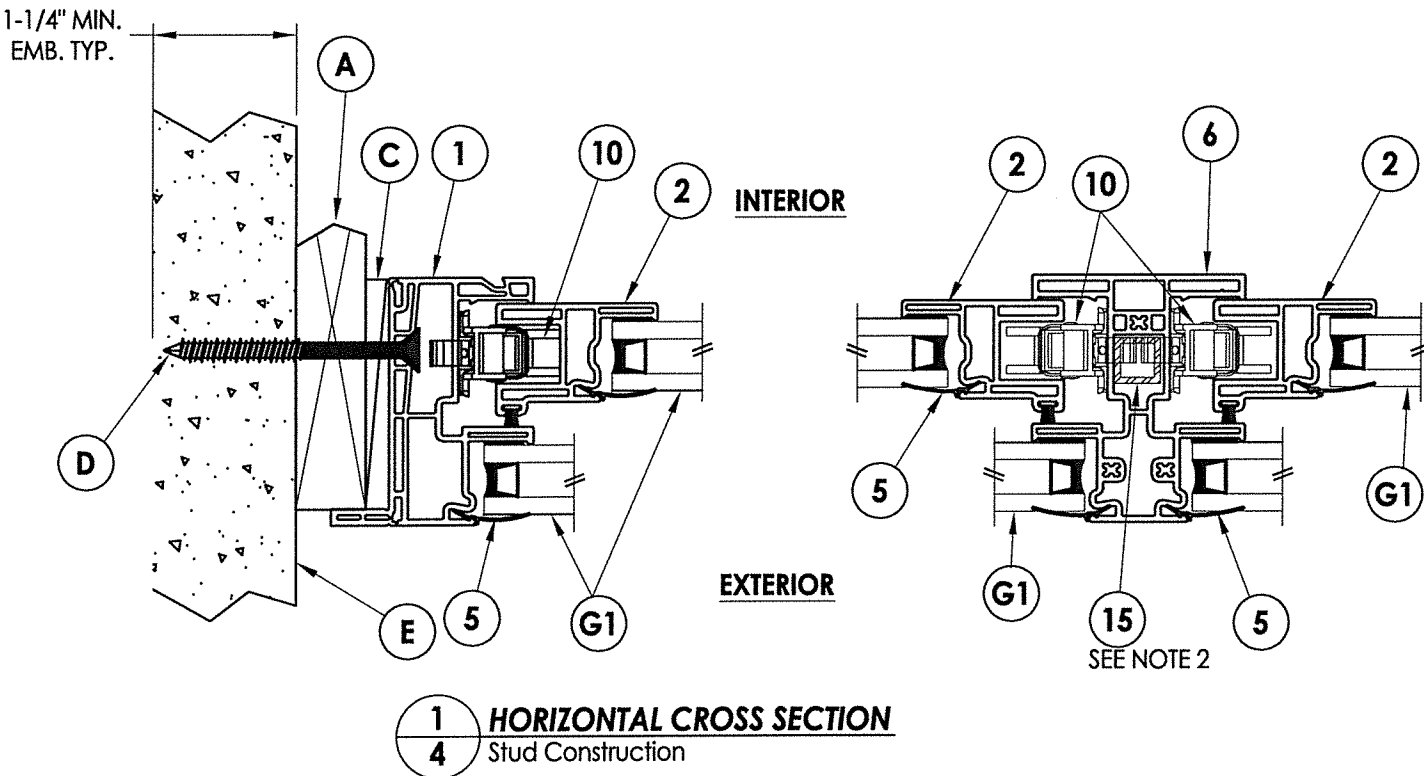
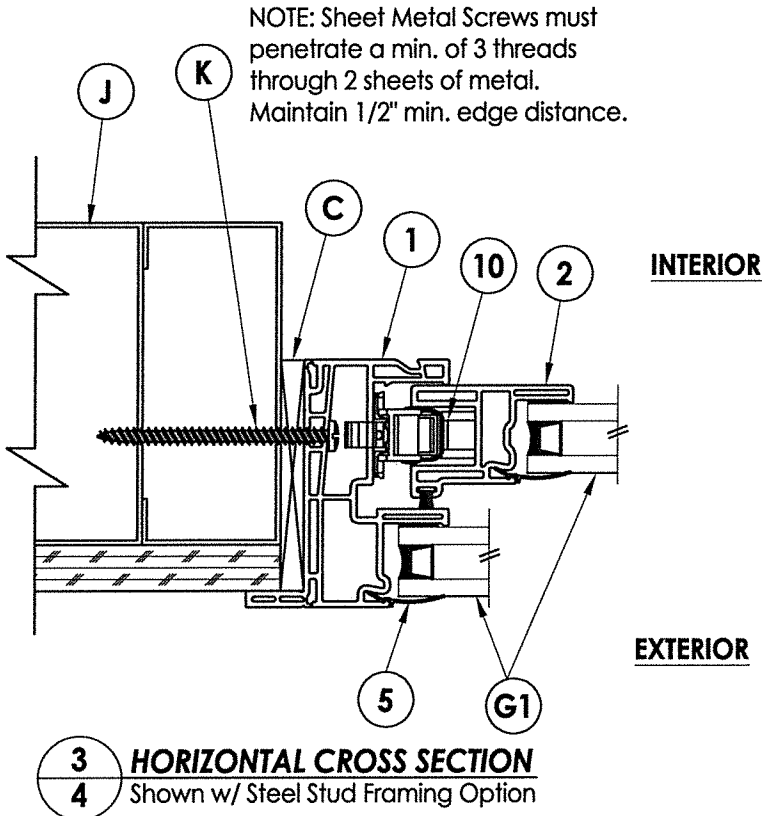


DATE: 10/10/17		PRODUCT: SINGLE HUNG WINDOW	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16854.18		PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS	
SHEET 3 OF 7			

\\dc01\rvbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16854 Windows - Single Hung\C - Drawings\FL-16854 (2020)\FL-16854.18.dwg

NOTES:

1. Lock and keeper located 7" from each end of frame jamb.
2. Meeting rail reinforcement is continuous through the integral mullion.



PRODUCT:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
DATE:		10/10/17	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-16854.18	
SHEET		4	OF 7
NO.		1	8/04/20
DATE		UPDATE TO 7th ED. (2020)	FBC
BY		DAC	
REVISIONS			

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions in inches. The overall width is 2.32". The overall height is 2.687". The bottom flange has a width of 1.062". A central vertical slot is 0.065" wide. The part features a top flange, a central vertical slot, and a bottom flange with two mounting holes.

Technical drawing of a mechanical part. The main drawing shows a profile with a width of 1.318" and a height of 2.341". A detail view on the left shows a specific feature with a width of 0.065".

The seal is circular with a double-lined border. The outer border contains the text "F. SCHMIDT" at the top and "LICENSE" at the bottom. The inner border contains the text "STATE OF FLORIDA" at the top and "PROFESSIONAL ENGINEER" at the bottom. In the center of the seal, the text "No. 43409" is displayed above a five-pointed star.

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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	3/8" 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	#8 X 1" PPH WS (7/8" MIN. EMBEDMENT)	STEEL
G	2X STUD (SG ≥ 0.42)	WOOD
H	#10 X 2-1/2" PPH SMS (1-3/4" MIN. EMBEDMENT)	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	FRAME (FIN)*	PVC
2	STILE / BOTTOM RAIL*	PVC
3	MEETING RAIL*	PVC
4	LOCK RAIL*	PVC
5	GLAZING BEAD*	PVC
6	MULLION*	PVC
10	WINDOW BALANCE	-
12	REINFORCEMENT (MEETING RAIL)	6063-T6 ALUM.
14	REINFORCEMENT (LOCK RAIL)	6063-T6 ALUM.
15	REINFORCEMENT (MULLION)	6063-T6 ALUM.
21	KEEPER	-
22	LOCK ASSEMBLY	-
31	CENTER FIN PILE - .270 X .220	-

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

