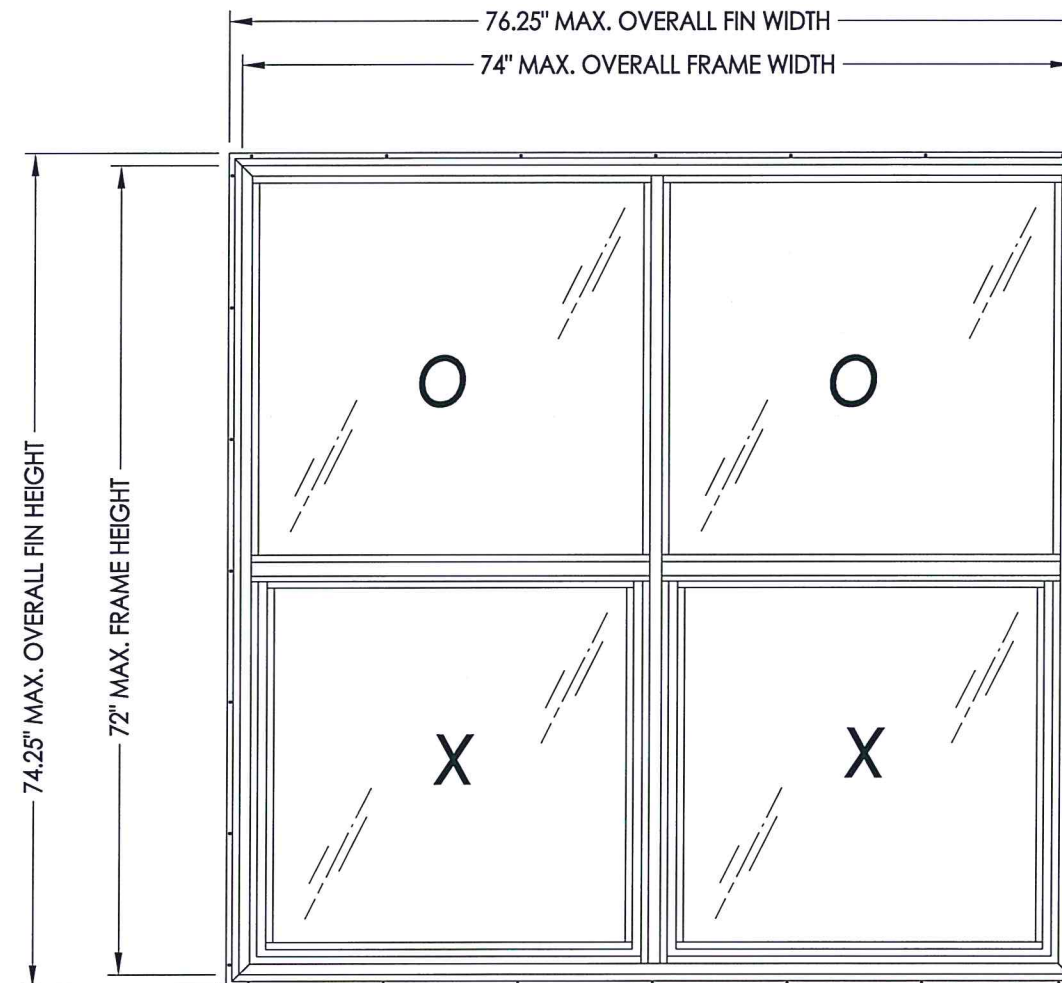




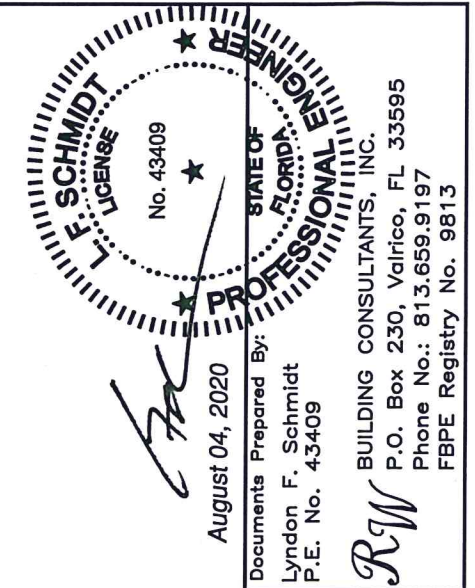
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC), 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. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

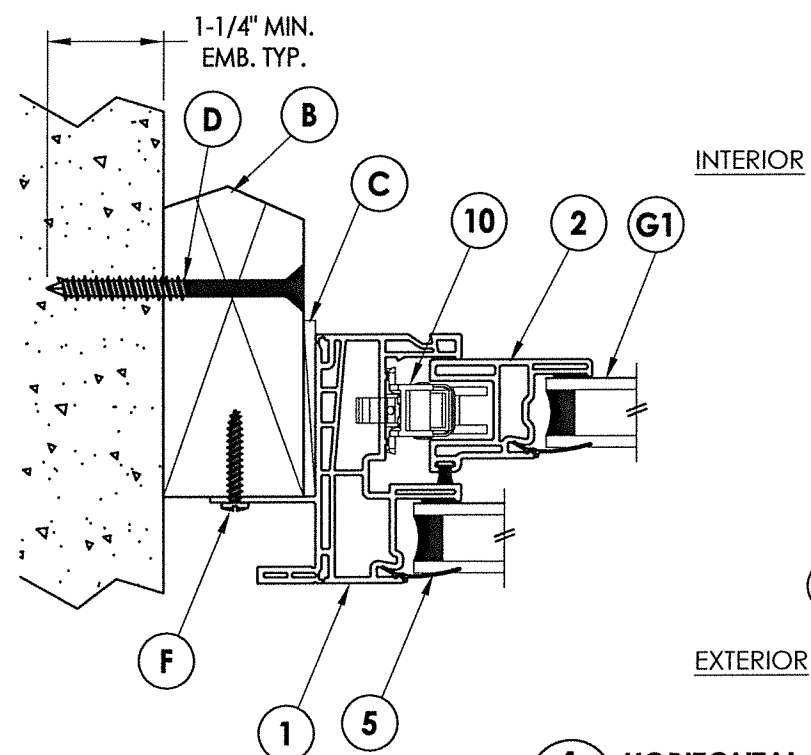
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck & frame anchoring
5	Bill of materials, glazing details and components



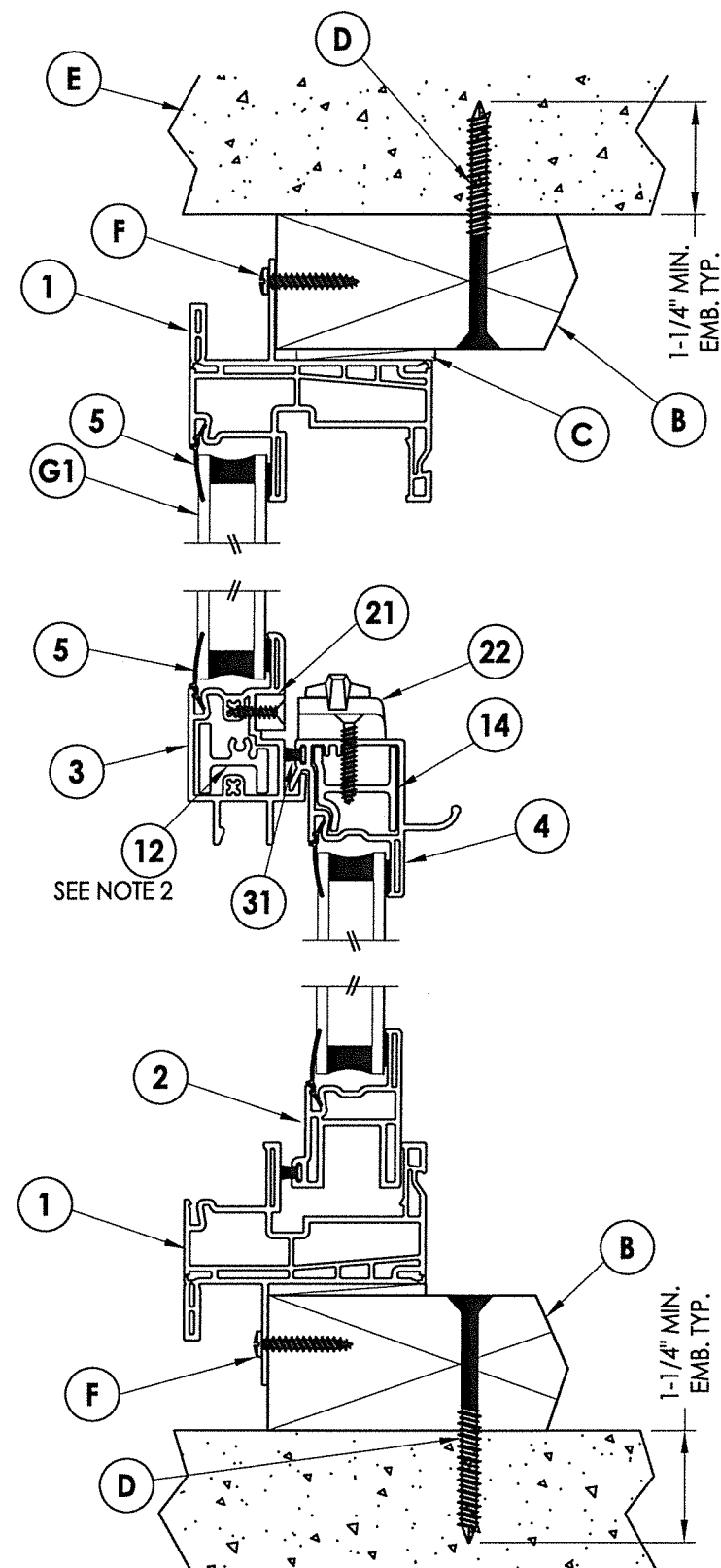
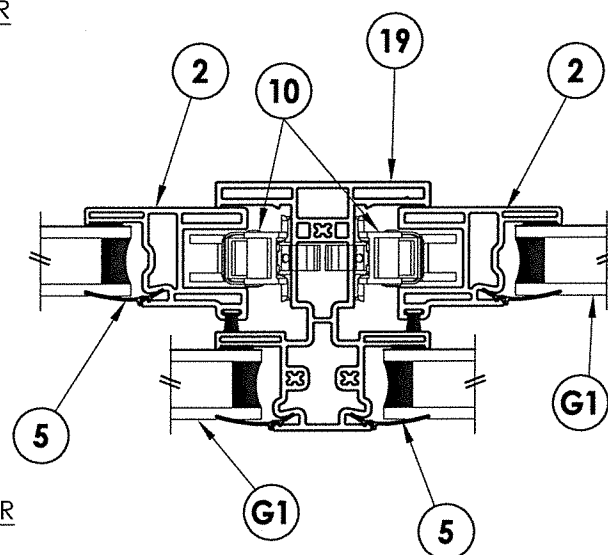
MAX. O.A. FIN DIMENSION	MAX. O.A. FRAME DIMENSION	MAX. SASH D.L.O. DIMENSION	MAX. FIXED D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
76.25" x 74.25"	74" X 72"	31.31" X 31.31"	34.19" X 33.06"	G1	+35.0	-35.0

[illegible]

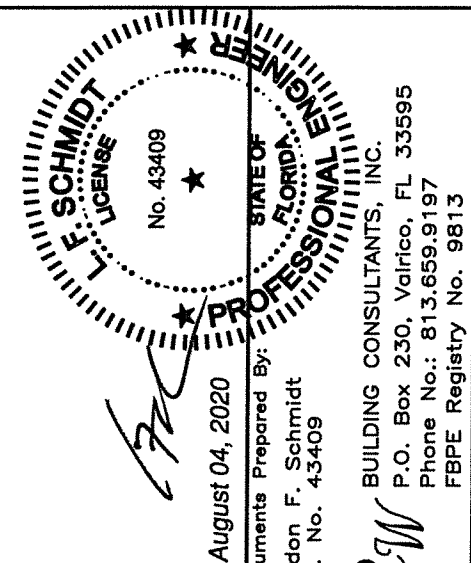
1. Lock and keeper located 7" from each end of frame jamb.
2. Meeting rail reinforcement is continuous through the integral mullion.



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



2 VERTICAL CROSS SECTION
2X Buck Masonry Construction



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Phone No.: 813.659.9197
FBPE Registry No. 9813

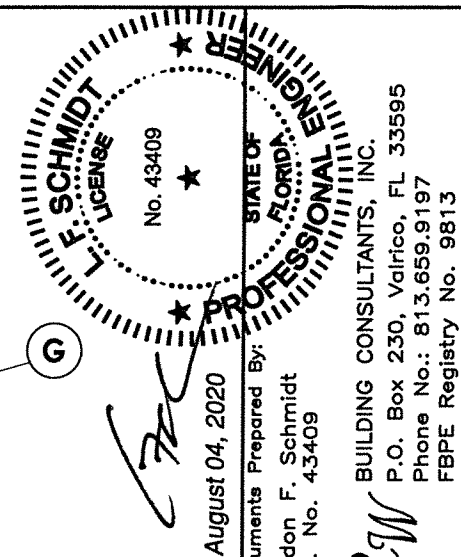
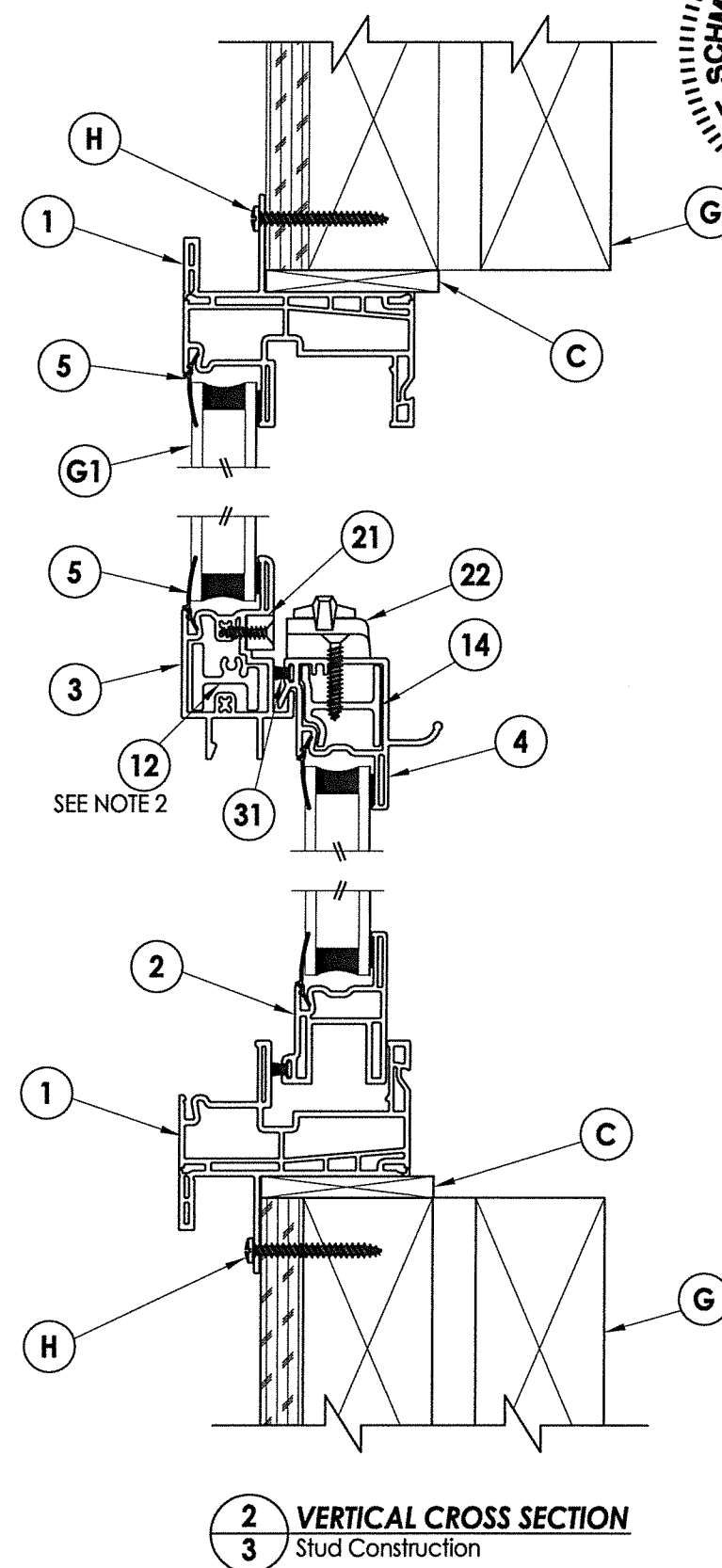
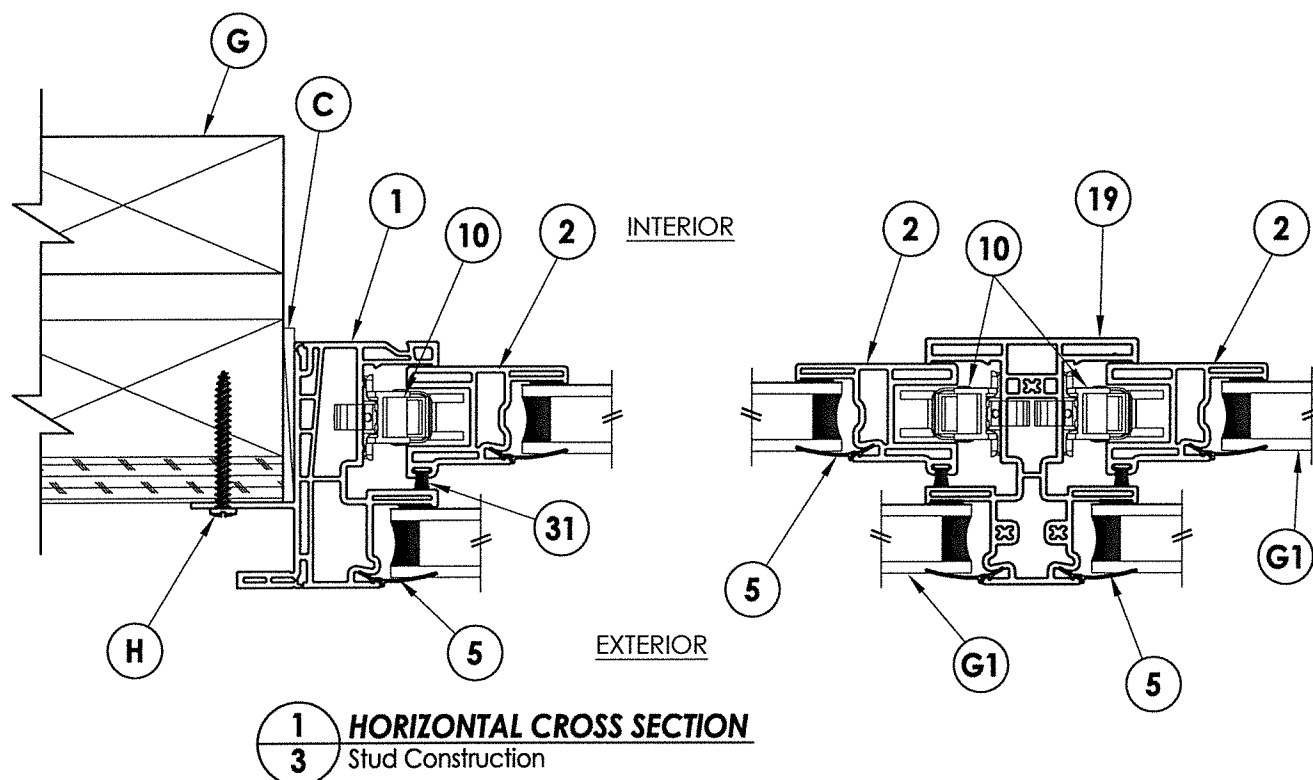
DATE: 6/14/16		PRODUCT: SINGLE HUNG WINDOW	
SCALE: N.T.S.		PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16854.13			
SHEET 2 OF 5			

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

NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through metal. Maintain 1/2" min. edge distance.

The diagram is a cross-section of a window assembly. On the left, the interior side is shown with a window frame (J) and a sash (K). On the right, the exterior side is shown with a window frame (C) and a sash (1). The diagram includes various components labeled with numbers: 10 (hardware), 2 (weatherstripping), 31 (hardware), and 5 (hardware). The diagram shows the window frame, sash, and various components like the weatherstripping and hardware.

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

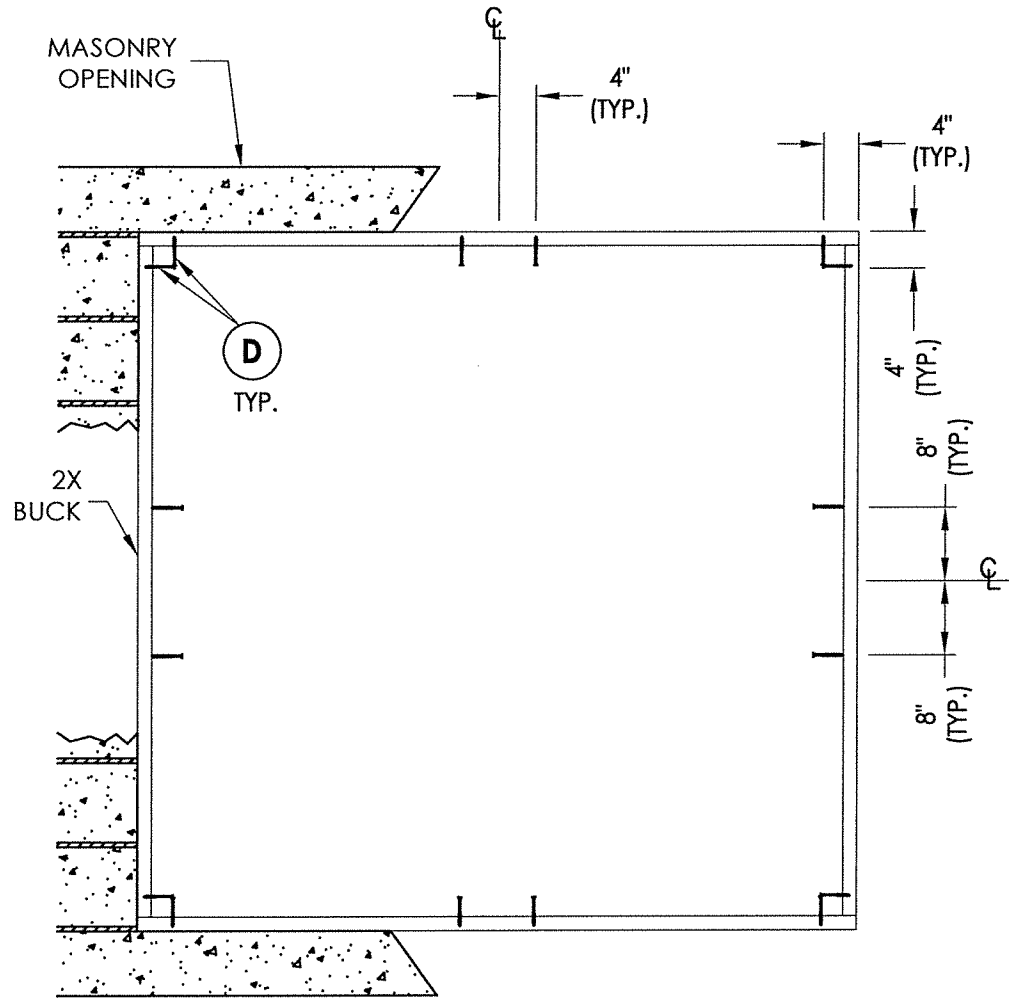


August 04, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

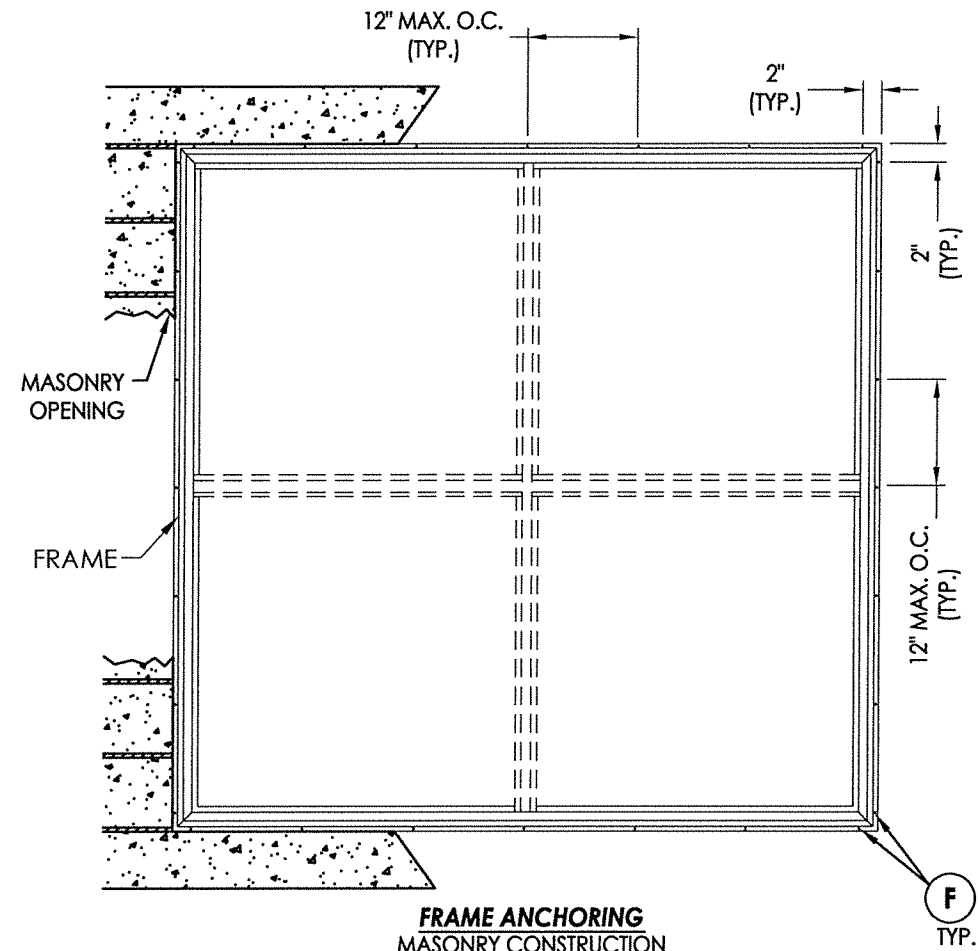
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

DATE: 6/14/16		PRODUCT: SINGLE HUNG WINDOW	
SCALE: N.T.S.		PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS	
DWG. BY: JK		DAC	
CHK. BY: LFS		JK	
DRAWING NO.: FL-16854.13		BY	
SHEET 3 OF 5		REVISONS	

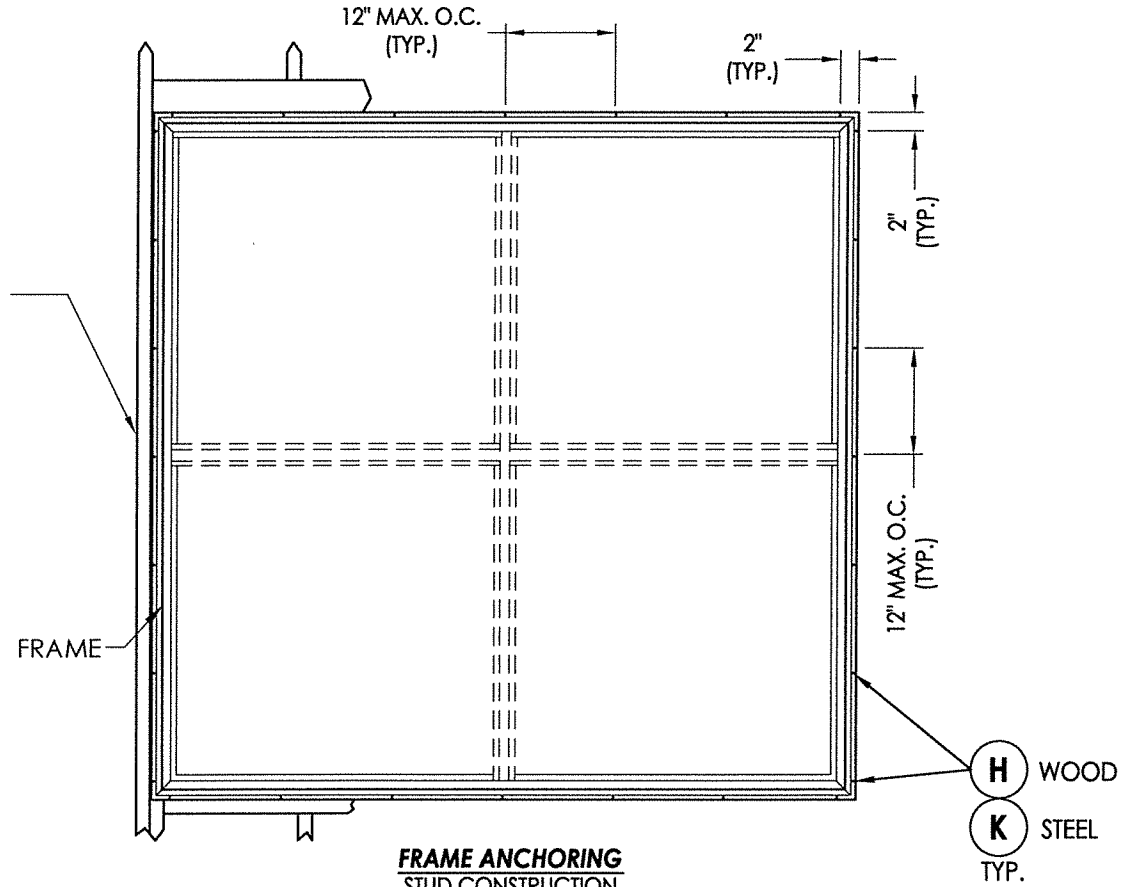
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BUCK ANCHORING



**FRAME ANCHORING
MASONRY CONSTRUCTION**



**FRAME ANCHORING
STUD CONSTRUCTION**

2X FRAMING TO BE DESIGNED
BY THE ENGINEER OR ARCHITECT
OF RECORD BASED ON WIND LOADS
AND THE CLADDING BEING USED.

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- Concrete anchor table:

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"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

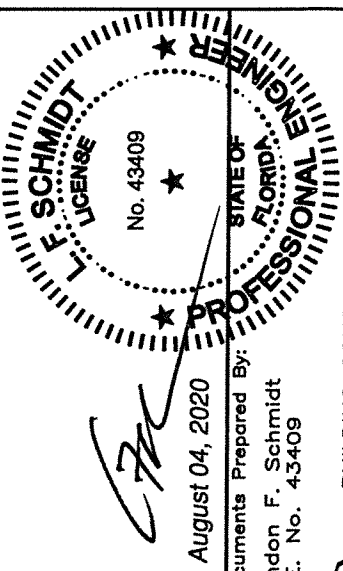
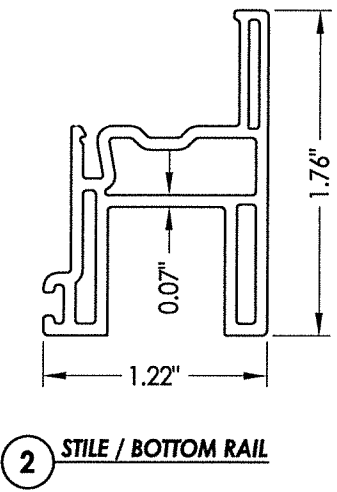
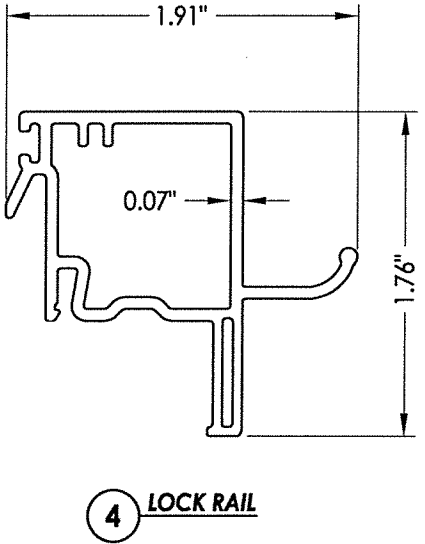
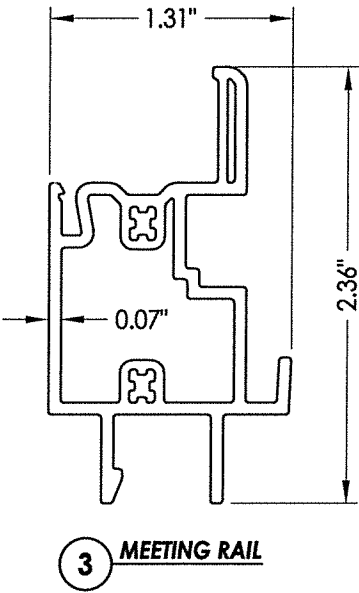
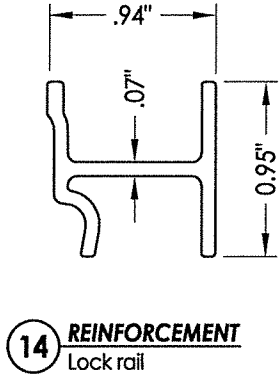
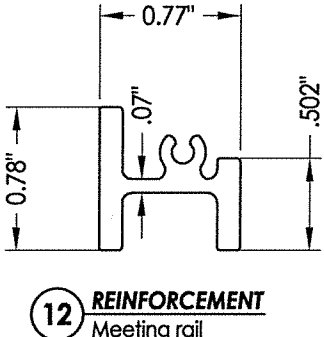
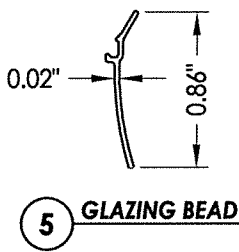
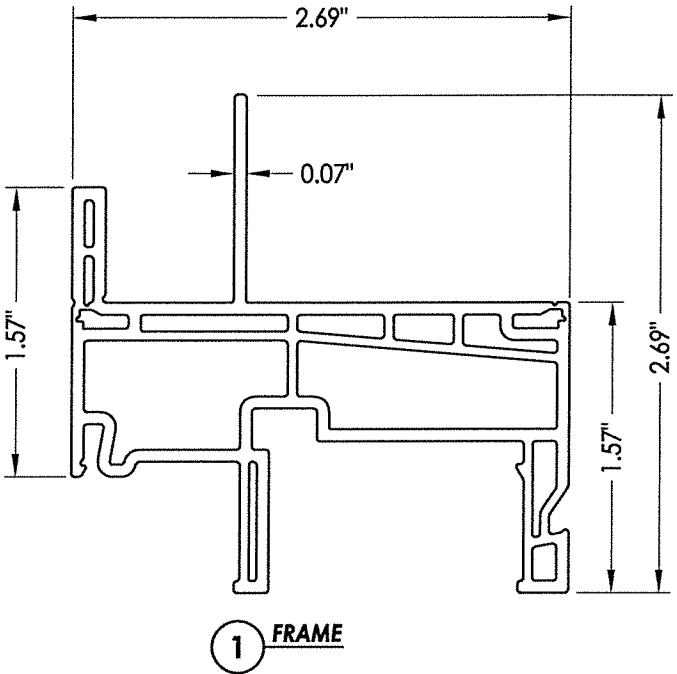
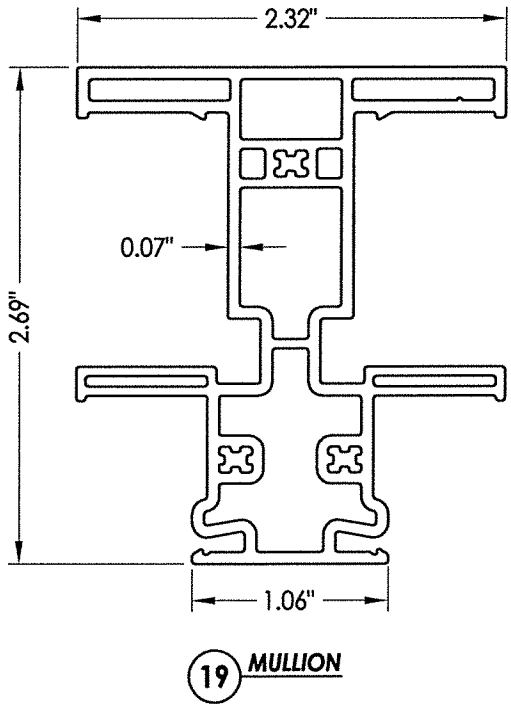
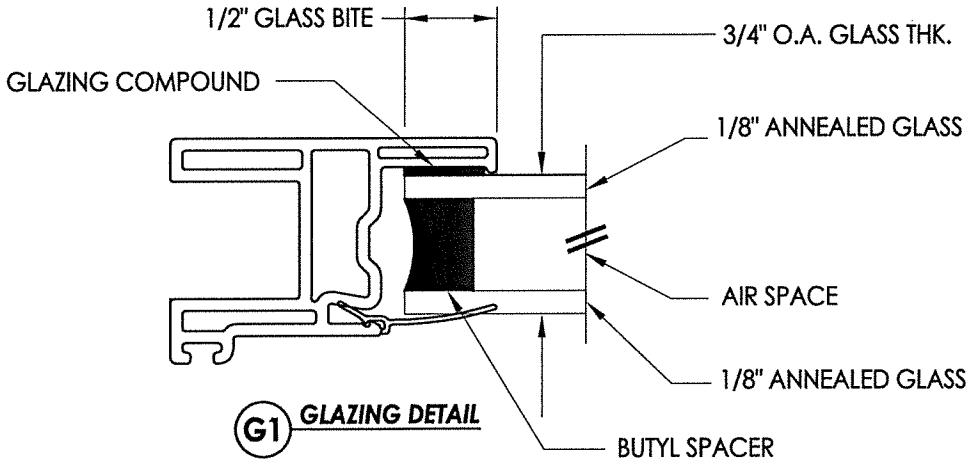
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

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:	SINGLE HUNG WINDOW
PART OR ASSEMBLY:	BUCK & FRAME ANCHORING
DATE:	6/14/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16854.13
SHEET	4 OF 5

\\dc01\rwbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16854 Windows - Single Hung\c - Drawings\FL-16854 (2020)\FL-16854.13.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK (SG >= 0.42)	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	#8 X 1" PFH WS (7/8" MIN. EMBEDMENT)	STEEL
G	2X STUD (SG=> 0.42)	WOOD
H	#8 X 1-1/2" PFH WS (7/8" 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*	PVC
2	STILE / BOTTOM RAIL*	PVC
3	MEETING RAIL*	PVC
4	LOCK RAIL*	PVC
5	GLAZING BEAD*	PVC
6	SILL ADAPTOR*	PVC
10	WINDOW BALANCE	-
12	MEETING RAIL REINFORCEMENT (6005-T5 ALUM)	6063-T6 ALUM.
14	LOCK RAIL REINFORCEMENT (6063-T6 ALUM)	6063-T6 ALUM.
19	MULLION*	PVC
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".



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

August 04, 2020

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 43409

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

PRODUCT:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		BILL OF MATERIALS, COMPONENTS AND GLAZING DETAIL	
DATE		REVISIONS	
2	8/04/20	UPDATE TO 7TH ED. (2020)	FBC
1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC
NO.	DATE		
DATE: 6/14/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16854.13			
SHEET 5 OF 5			