

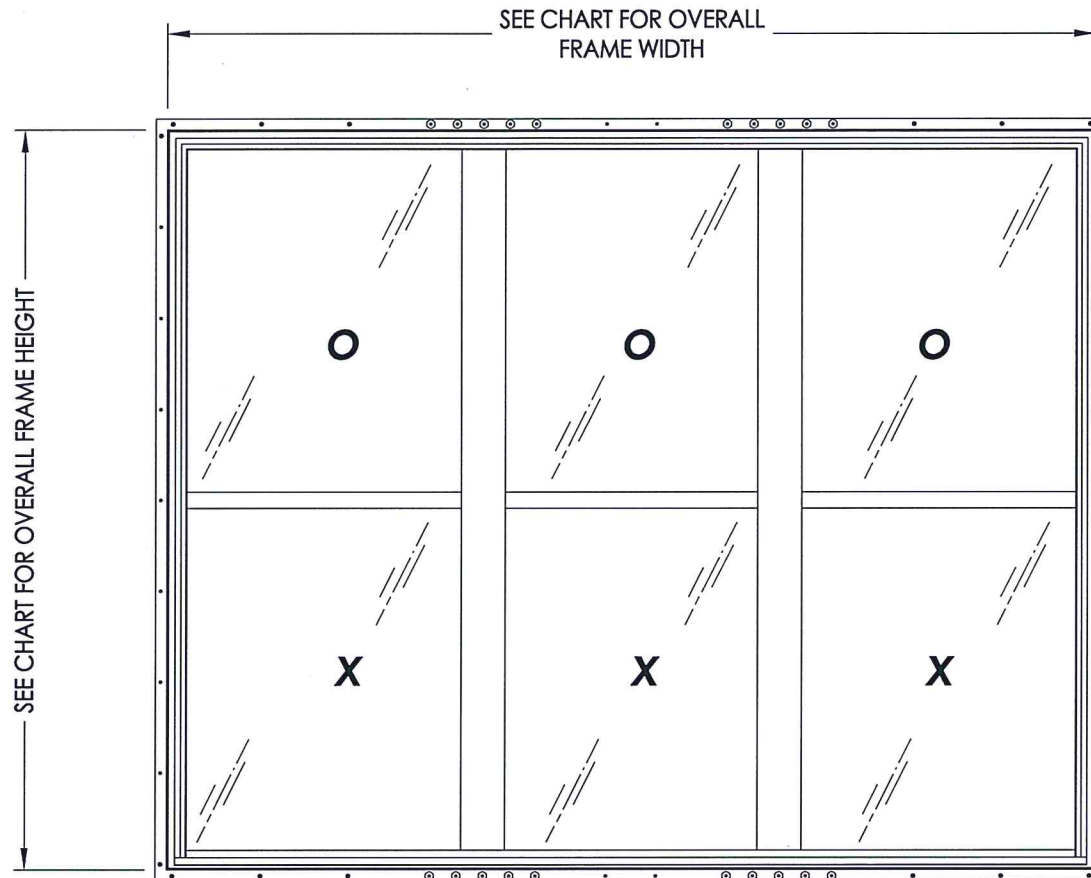
R:\Clients\Associated PERMANENT\A - Florida Product Approvals\FL-26514 Windows - Single Hung (CM)\C - Drawings\FL-26514 (2020)\FL-26514.11-12.dwg, FL-26514.11

SERIES 1700 MODEL 1730HP
TRIPLE SINGLE HUNG WINDOW
w/ NAILING FIN
"NON-IMPACT"

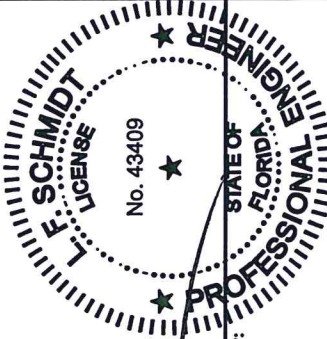
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ). See the Certification Agency Certificate for sizes, specifications and ratings.
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 must 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 and general notes
2	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck anchoring
5	Frame anchoring
6	Bill of materials, glazing detail & components



OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	FIXED WINDOW OVERALL D.L.O. DIMENSION (O)	SASH OVERALL D.L.O. DIMENSION (X)	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
110.5" x 76.5"	108.0" x 74.0"	31.25" x 33.75"	31.25" x 33.75"	G1	+50.0	-50.0



September 30, 2020
Documents Prepared By:
Lyndon F. Schmidt
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FL
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

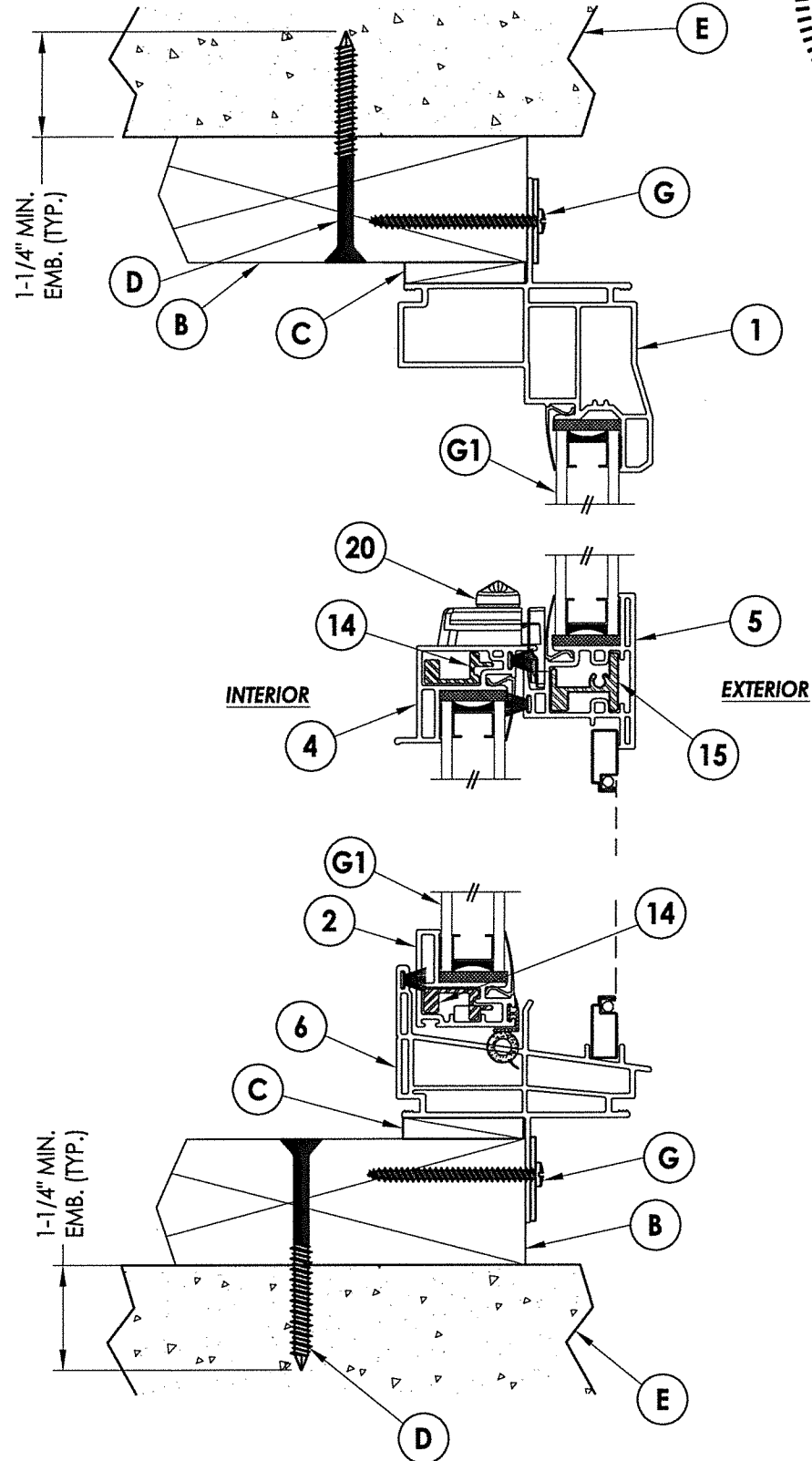
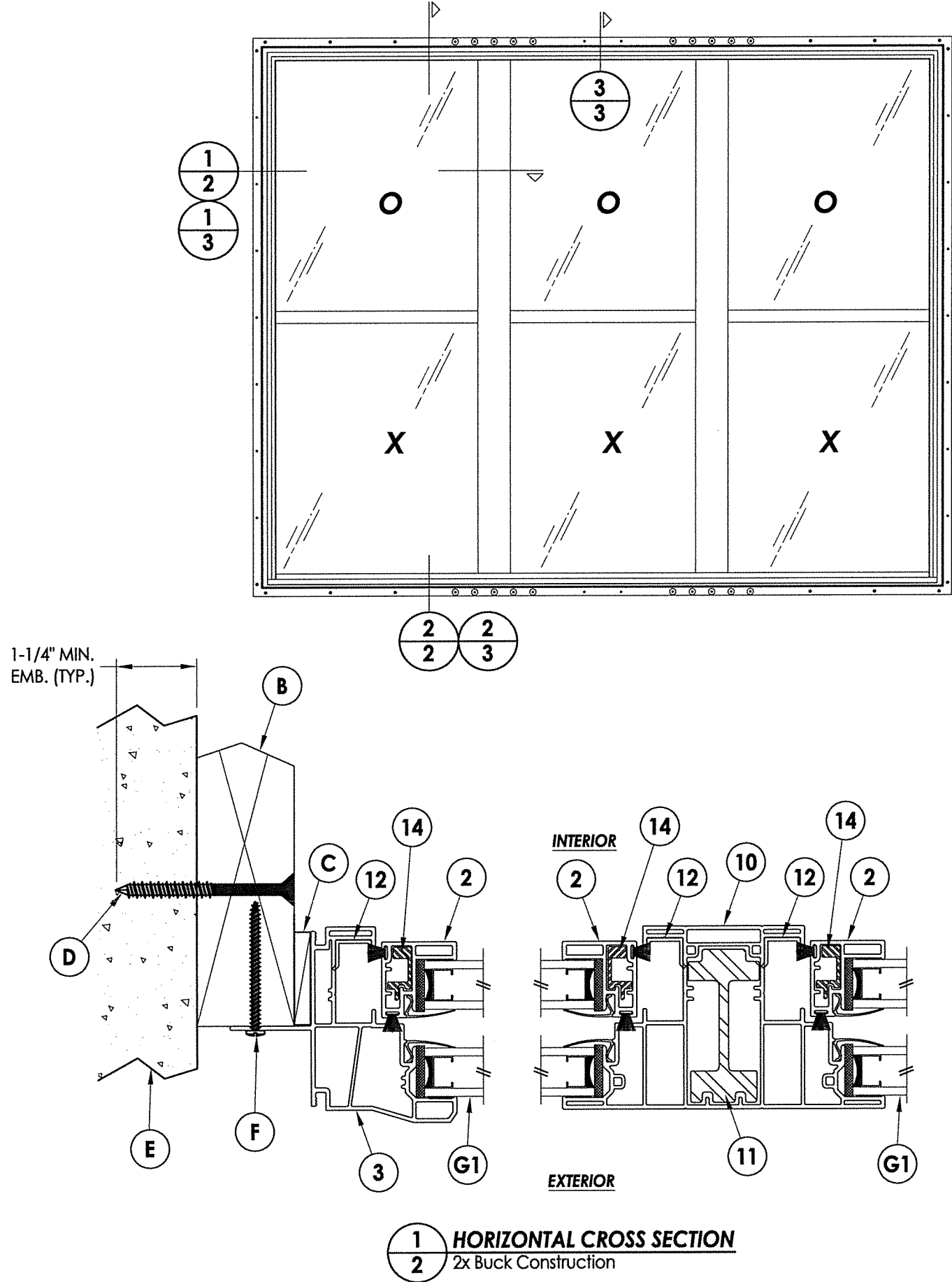
PRODUCT:	SINGLE HUNG WINDOW
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURE AND GENERAL NOTES
DATE	2/26/19
SCALE	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-26514.11
SHEET	1 OF 6

REVISIONS

NO.	DATE	DESCRIPTION
1	9/30/20	UPDATE TO 7TH ED. (2020) FBC

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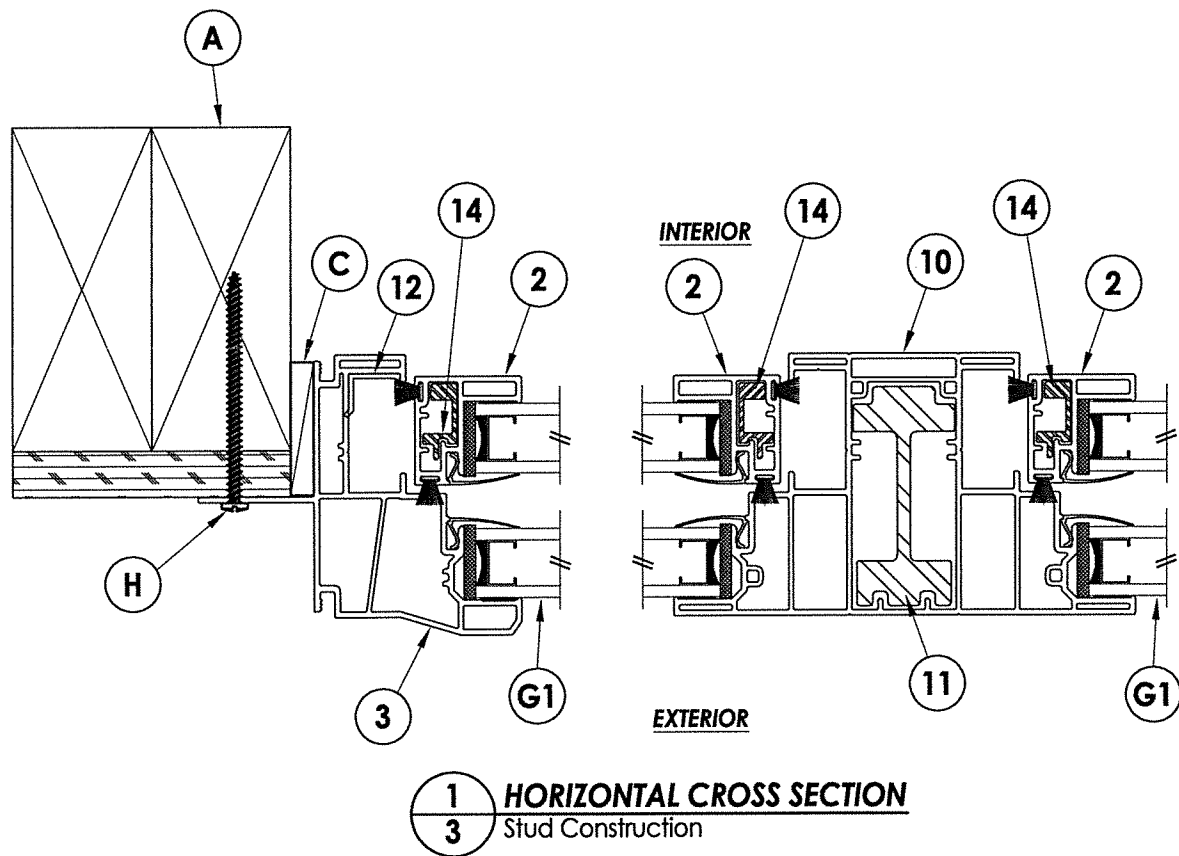


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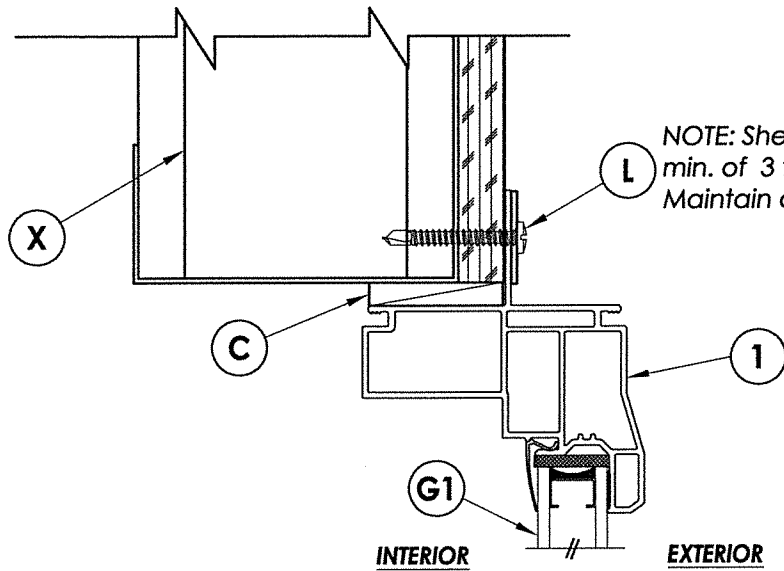
FLORIDA PROFESSIONAL ENGINEER
F. SCHMIDT
LICENSE
No. 43409

R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

PRODUCT:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	DATE
1	9/30/20	LFS	2/26/19
REVISIONS			
DATE: 2/26/19			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-26514.11			
SHEET 2 OF 6			

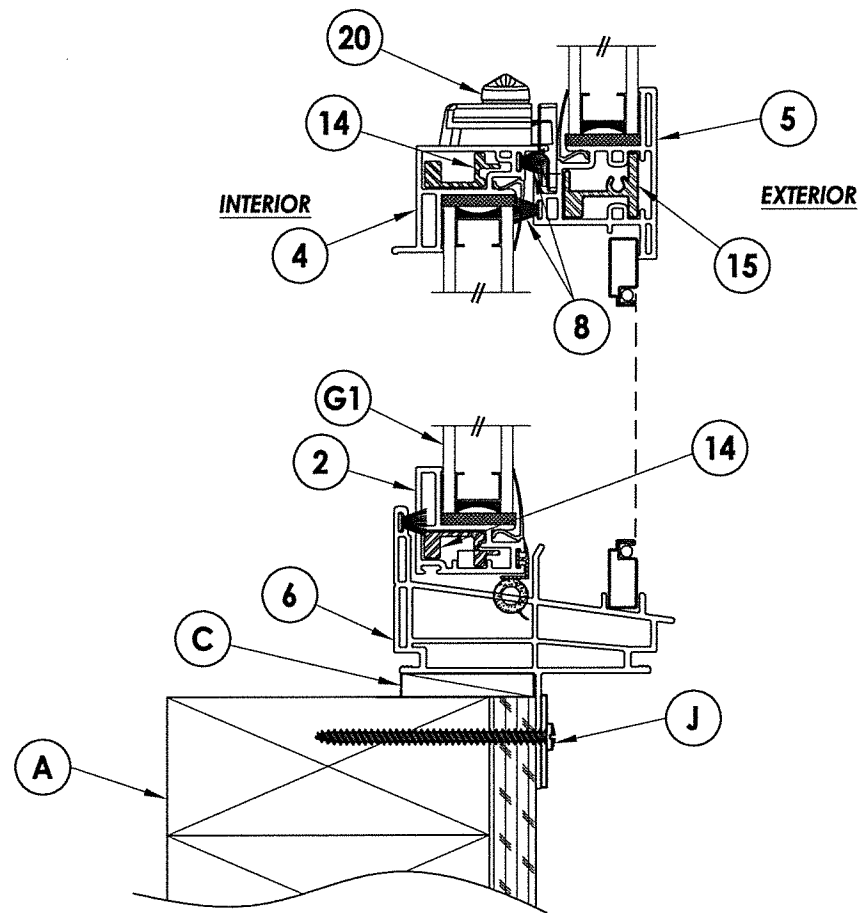


1
3 HORIZONTAL CROSS SECTION
Stud Construction

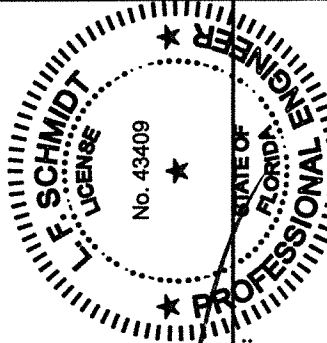
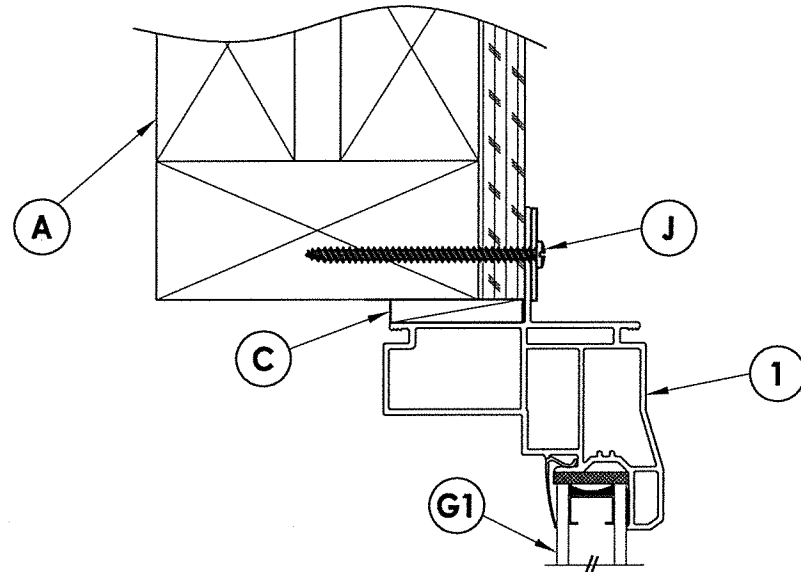


NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through metal stud.
Maintain a minimum 5/8" edge distance.

3
3 VERTICAL CROSS SECTION
Steel Stud Construction



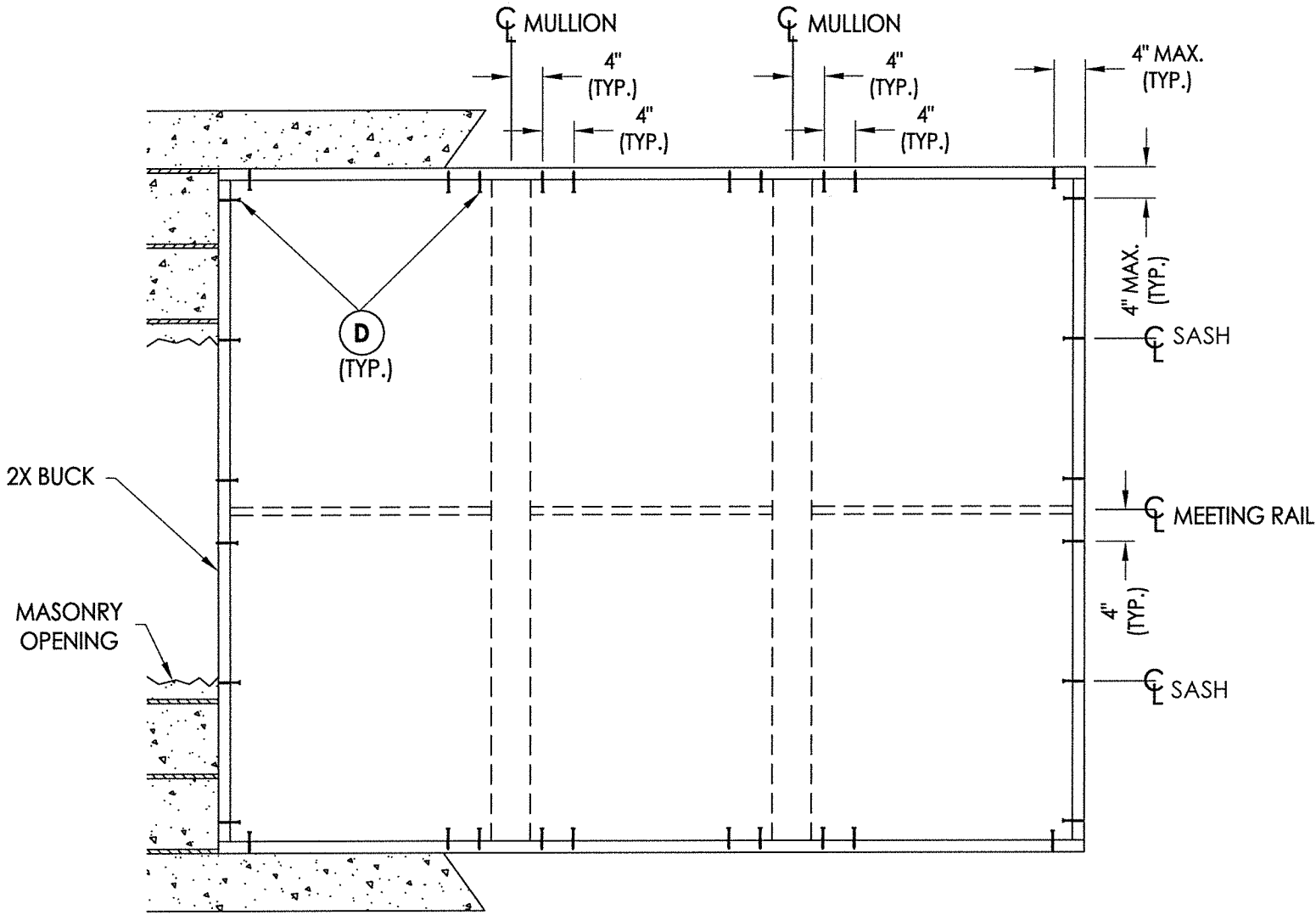
2
3 VERTICAL CROSS SECTION
Stud Construction



September 30, 2020
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PRODUCT:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
DATE:		2/26/19	
SCALE:		N.T.S.	
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.:		FL-26514.11	
SHEET		3 OF 6	
NO.		DATE	
1		9/30/20	
UPDATE TO		7TH ED. (2020) FBC	
LFS		BY	
REVISIONS			



BUCK ANCHORING

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®	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.

FLORIDA
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LICENSE
No. 43409

STATE OF
FLORIDA
PROFESSIONAL
ENGINEER

September 30, 2020

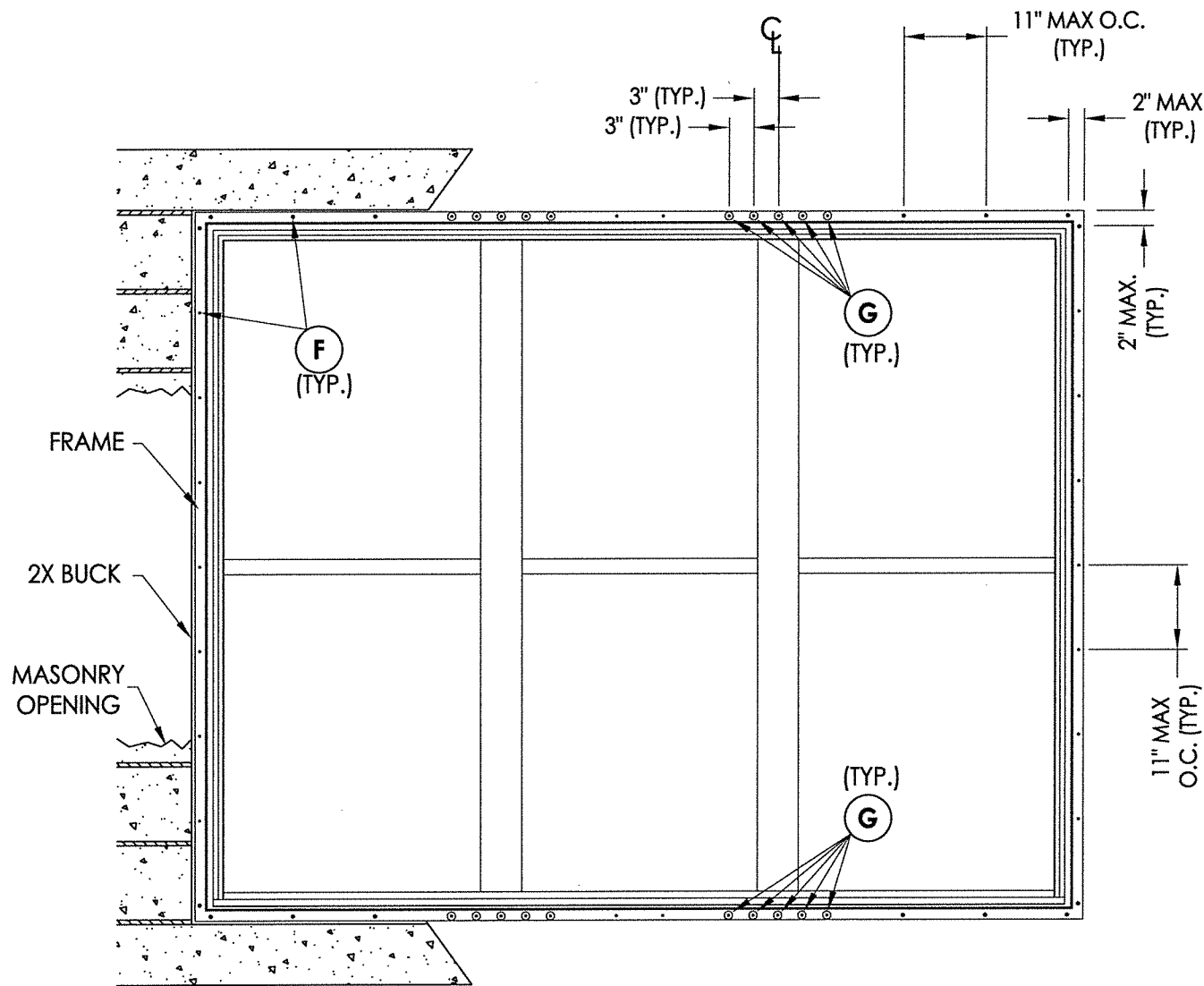
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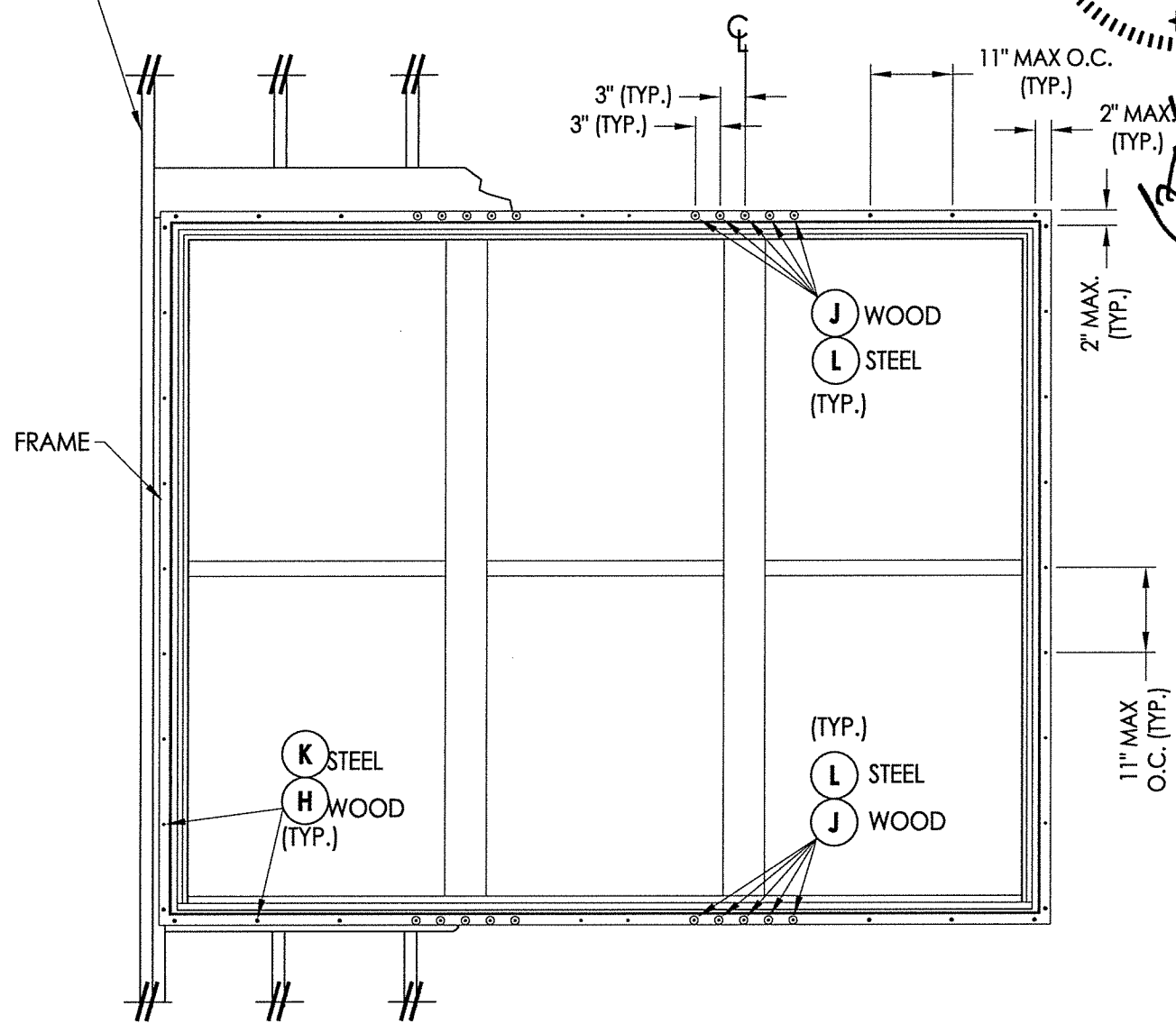
PRODUCT:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		BUCK ANCHORING	
NO.	DATE	BY	REVISIONS
	1 9/30/20	LFS	UPDATE TO 7TH ED. (2020) FBC
DATE: 2/26/19			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-26514.11			
SHEET 4 OF 6			

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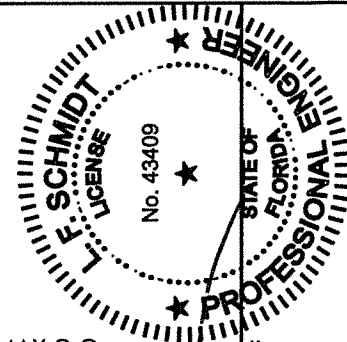


FRAME ANCHORING
Masonry 2X Buck Construction

2X WOOD OR STEEL STUD FRAMING
TO BE DESIGNED BY THE ENGINEER
OR ARCHITECT OF RECORD.



FRAME ANCHORING
Stud Construction



September 30, 2020
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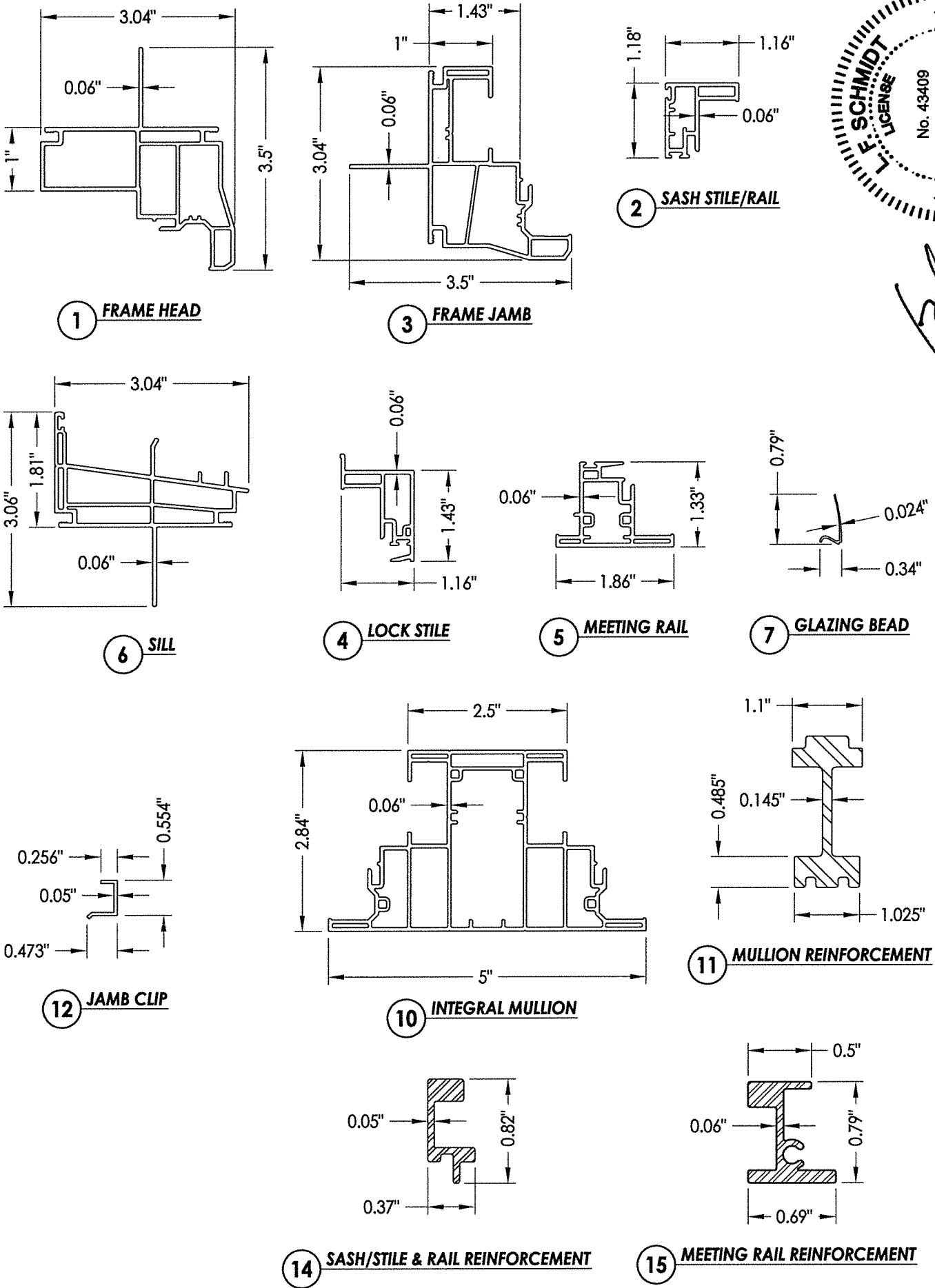
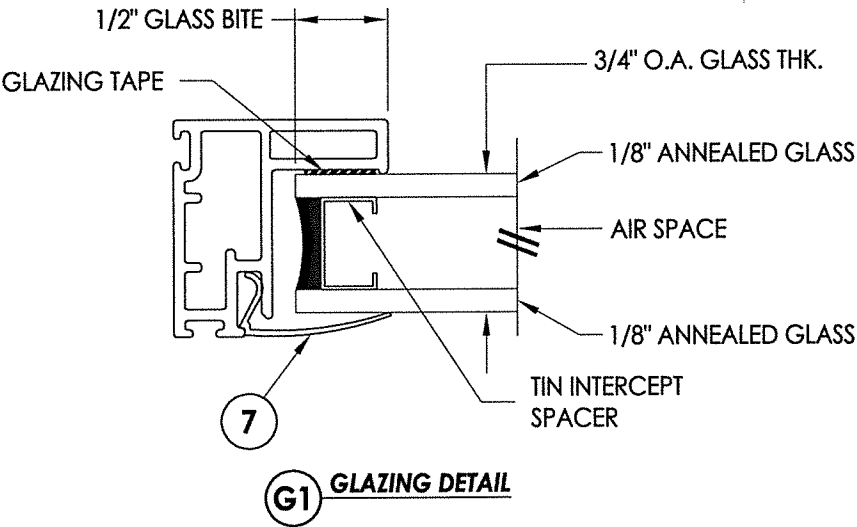
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Phone No.: 813.659.9197
FBPE Registry No. 9813

<u>PRODUCT:</u>		SINGLE HUNG WINDOW		<u>PART OR ASSEMBLY:</u>		FRAME ANCHORING	
						</	

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (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 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 2" PPH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
G	#8 X 2" PPH SMS w/ 1" Ø WASHER (1-1/2" MIN. EMBEDMENT)	STEEL
H	#8 X 2-1/2" PPH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
J	#8 X 2-1/2" PPH SMS w/ 1" Ø WASHER (1-1/2" MIN. EMBEDMENT)	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
L	#10 PPH SELF-DRILLING SMS w/ 1" Ø WASHER	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	EXTRUDED VINYL FRAME HEAD*	RIGID PVC
2	EXTRUDED VINYL SASH STILE/RAIL*	RIGID PVC
3	EXTRUDED VINYL FRAME JAMB*	RIGID PVC
4	EXTRUDED VINYL LOCK STILE*	RIGID PVC
5	EXTRUDED VINYL MEETING RAIL*	RIGID PVC
6	EXTRUDED VINYL SILL*	RIGID PVC
7	EXTRUDED VINYL GLAZING BEAD*	RIGID PVC
8	WEATHERSTRIP (FIN PILE)	-
10	INTEGRAL MULLION*	RIGID PVC
11	MULLION REINFORCEMENT (V-718B)*	RIGID PVC
12	JAMB CLIP (@ TILT LATCH)	ST. STEEL
14	SASH / STILE & RAIL REINFORCEMENT (S-047)(6063-T5)	ALUM
15	MEETING RAIL REINFORCEMENT (S-065)(6063-T5)	ALUM
20	CAM LOCK	-

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



Professional Engineer
F. SCHMIDT
No. 43409
September 30, 2020

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PRODUCT:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS	
REVISIONS		NO.	DATE
		1	9/30/20
		2	10/1/20
		3	10/1/20
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		100	10/1/20

DATE:	2/26/19
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-26514.11
SHEET	6 OF 6