



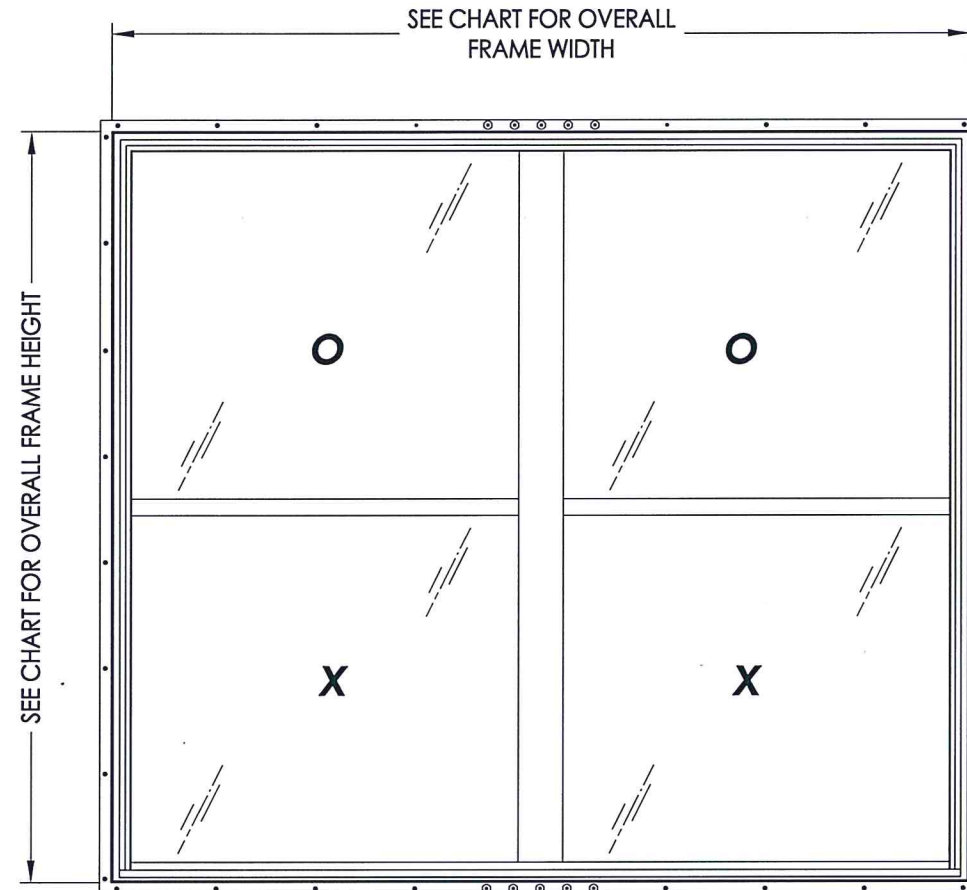
3773 STATE ROAD
CUYAHOGA FALLS, OH 44223

***SERIES 1900 MODEL 1920HP
TWIN SINGLE HUNG WINDOW
w/ NAILING FIN
"NON-IMPACT"***

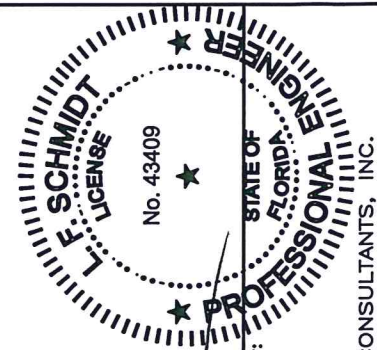
GENERAL NOTES

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
83.5" x 74.5"	81.0" x 72.0"	35.875" x 32.75"	35.875" x 32.75"	G1	+50.0	-50.0



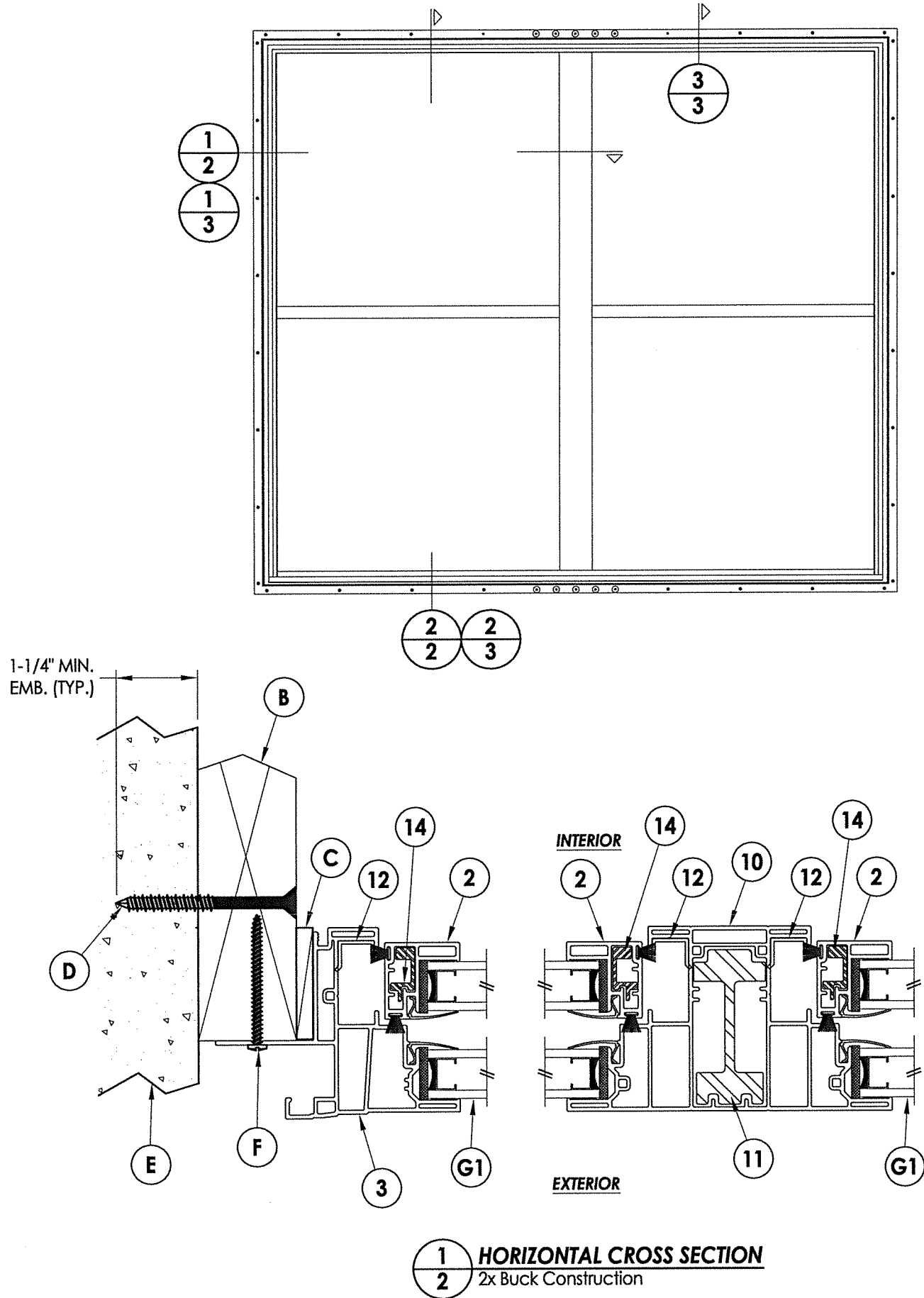
September 30, 2020
Documents Prepared by
Lyndon F. Schmidt
P.E. No. 43409

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

PRODUCT:	SINGLE HUNG WINDOW
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURE AND GENERAL NOTES

[illegible]

DATE:	2/25/19
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-26514.10
SHEET	1 OF 6

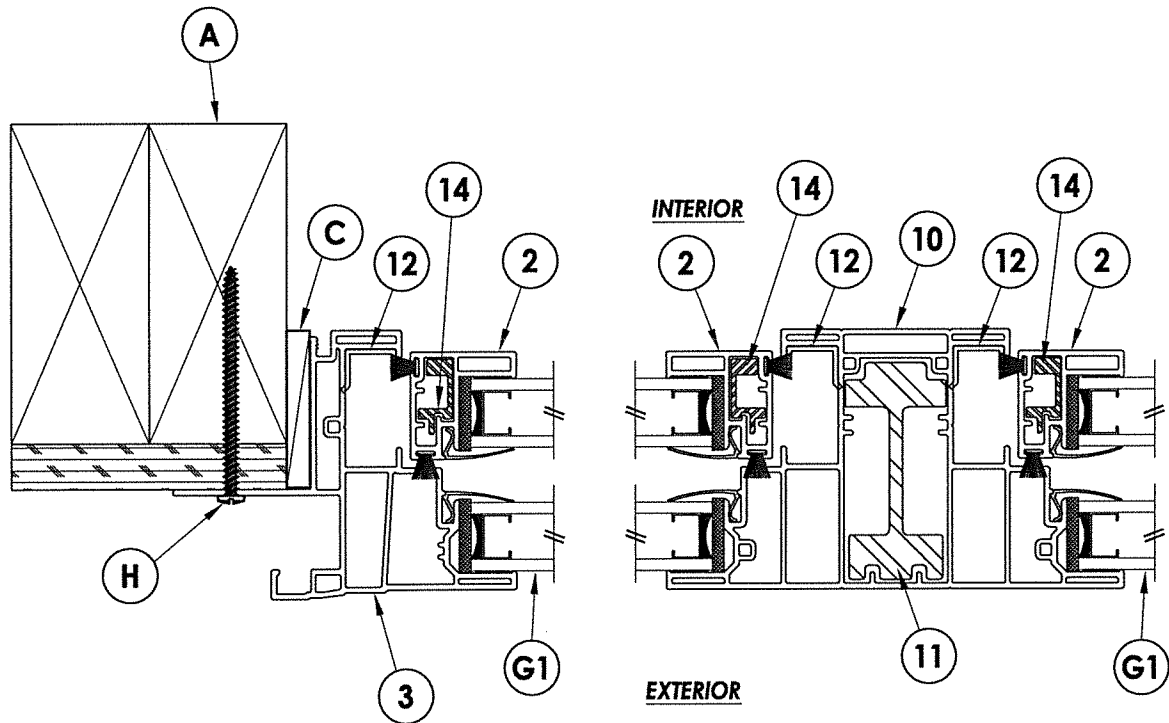


Professional Engineer Seal: F. SCHMIDT, No. 43409, State of Florida. Documents Prepared By: Lyndon F. Schmidt, P.E. No. 43409. September 30, 2020. Building Consultants, Inc., P.O. Box 230, Valrico, FL 33595. Phone No.: 813.659.9197. FBPE Registry No. 9813.

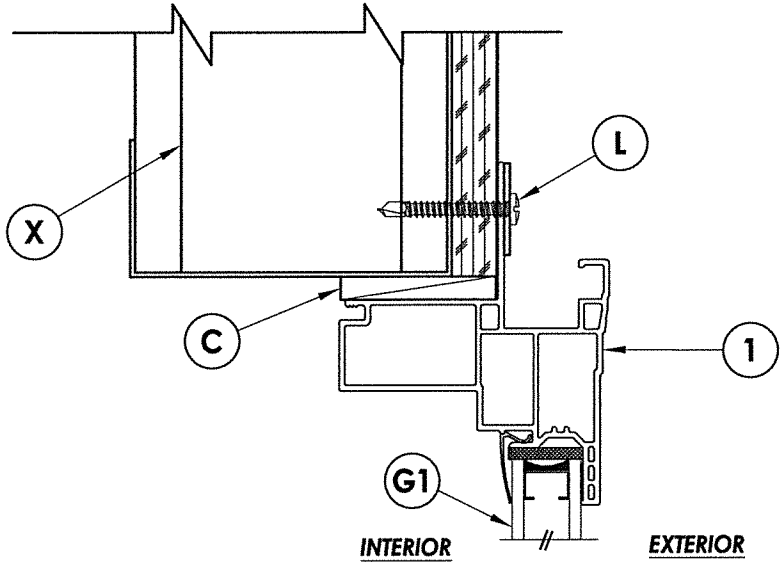
PRODUCT:	
SINGLE HUNG WINDOW	
PART OR ASSEMBLY:	
VERTICAL & HORIZONTAL CROSS SECTIONS	
REVISIONS	
NO.	DATE
1	9/30/20
UPDATE TO 7TH ED. (2020) FBC	
LFS	BY

DATE:	2/25/19
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-26514.10
SHEET	2 OF 6

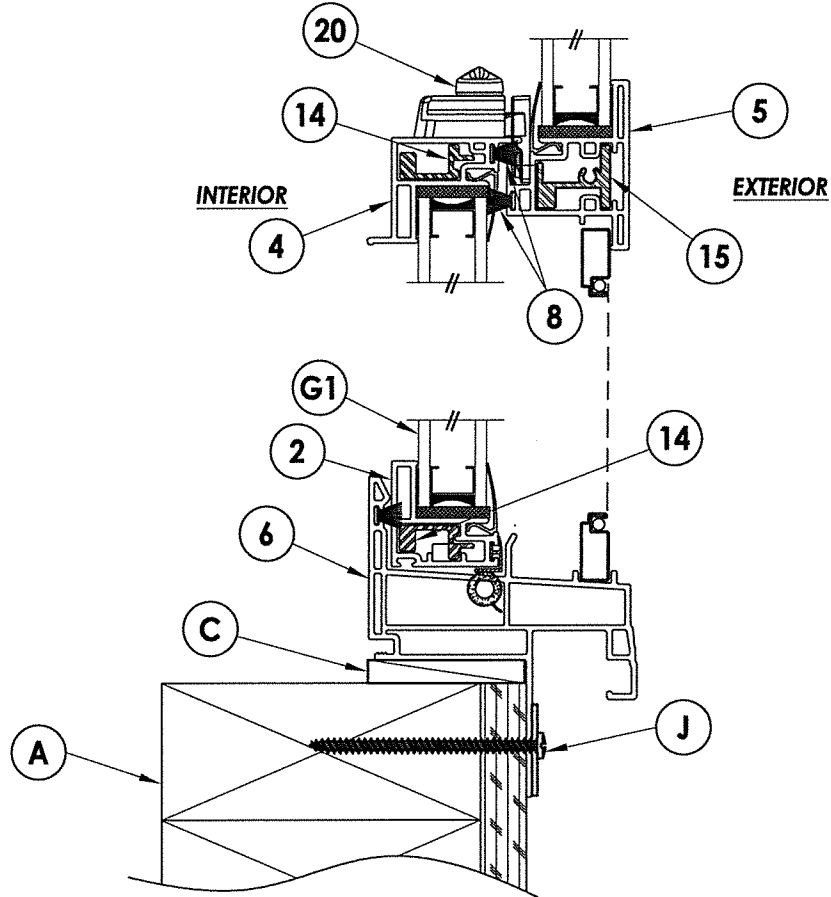
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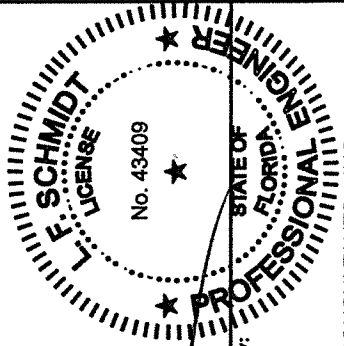
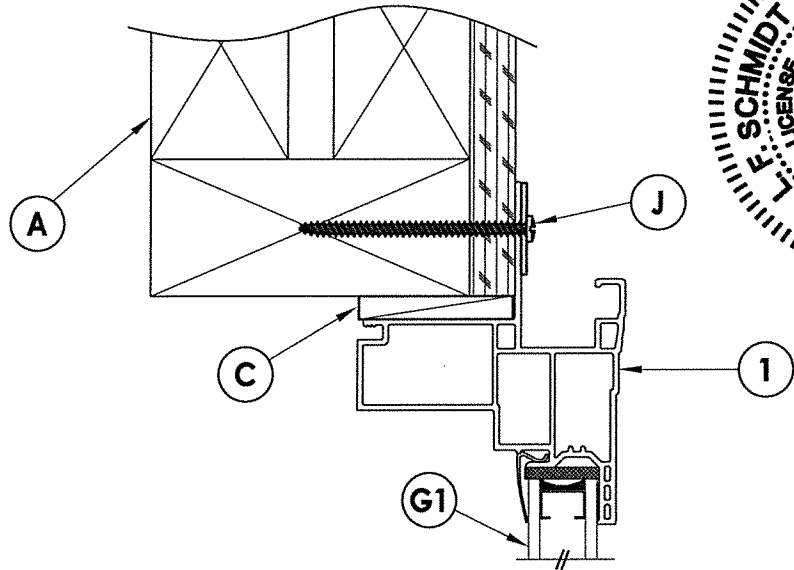
1 HORIZONTAL CROSS SECTION
Stud Construction



3 VERTICAL CROSS SECTION
Steel Stud Construction



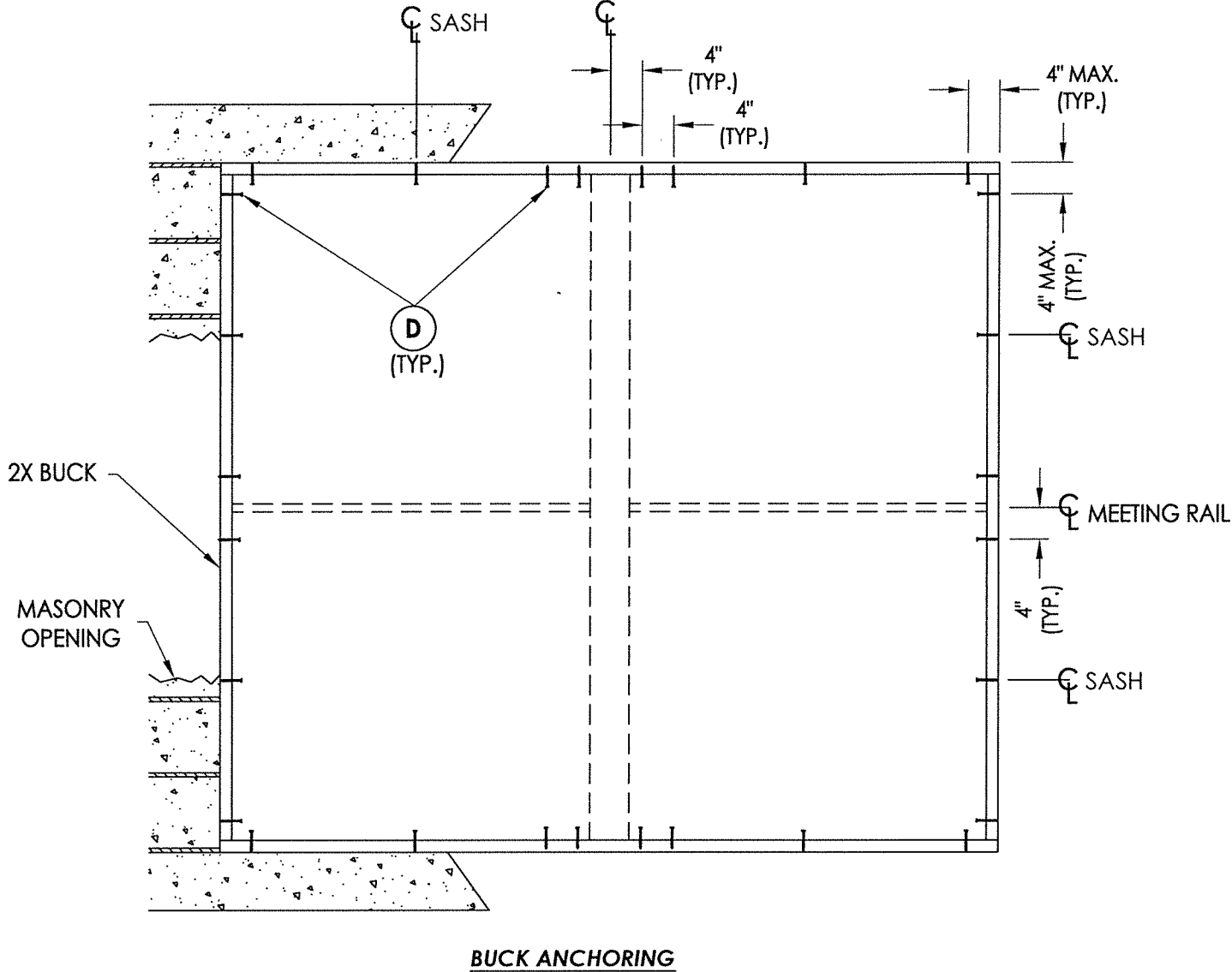
2 VERTICAL CROSS SECTION
Stud Construction



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NO.	DATE	REVISIONS	BY
			LFS
1	9/30/20	UPDATE TO 7TH ED. (2020) FBC	
DATE:		2/25/19	
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DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.:		FL-26514.10	
SHEET		3	OF 6



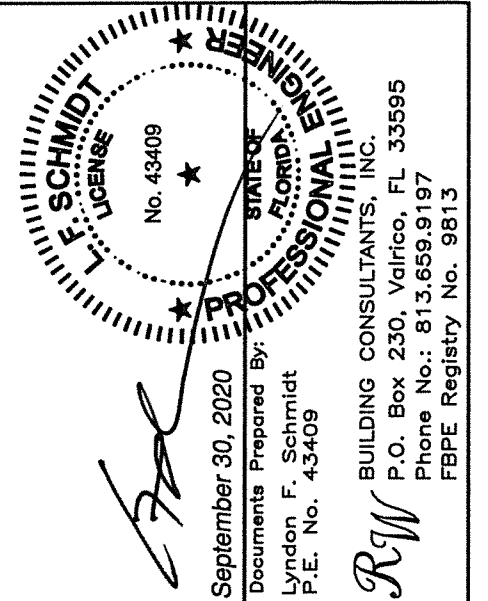
CONCRETE ANCHOR NOTES:

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 ULTRA-CON®	1/4"	1-1/4"	1"	4"

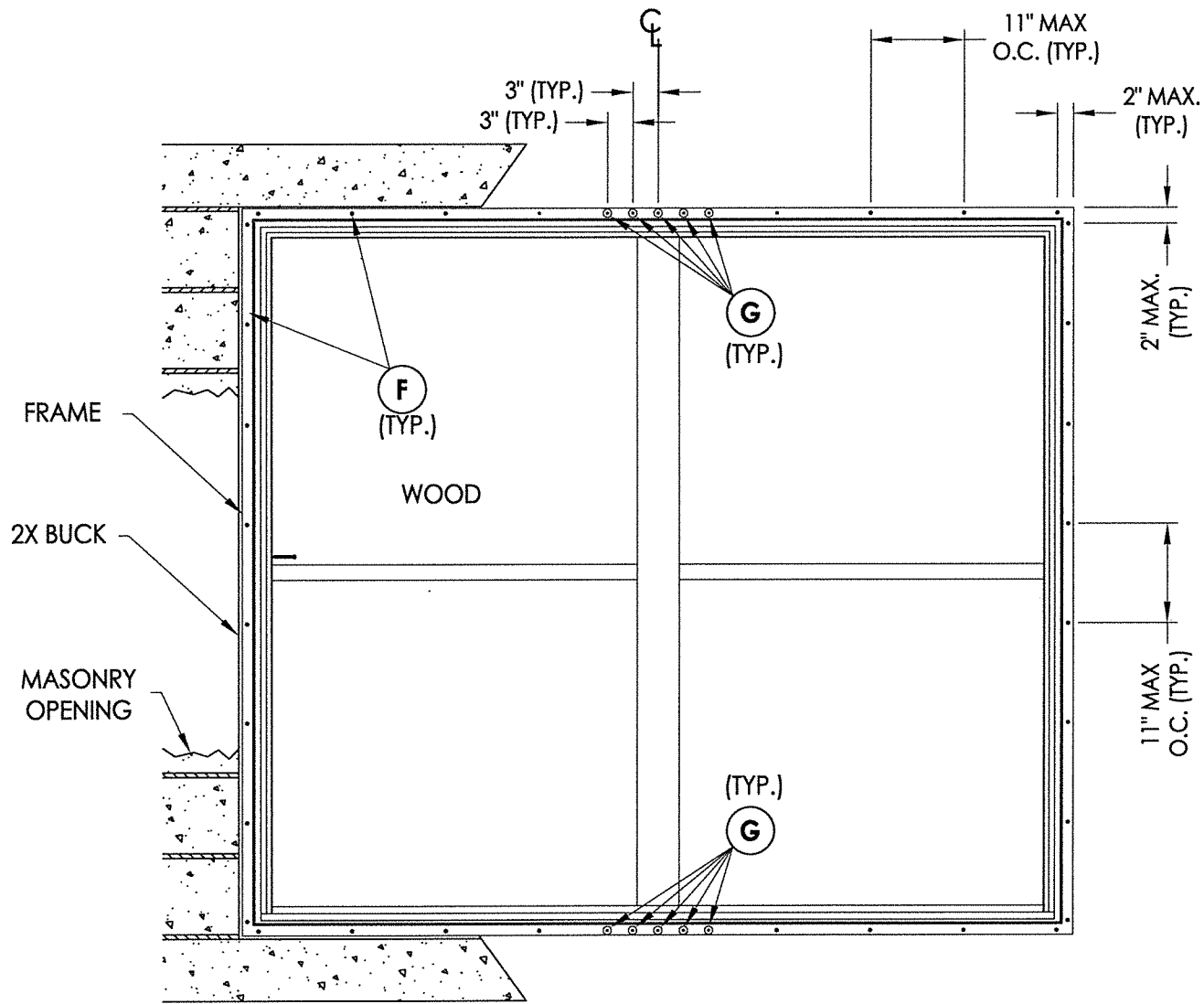
WOOD SCREW INSTALLATION NOTES:

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



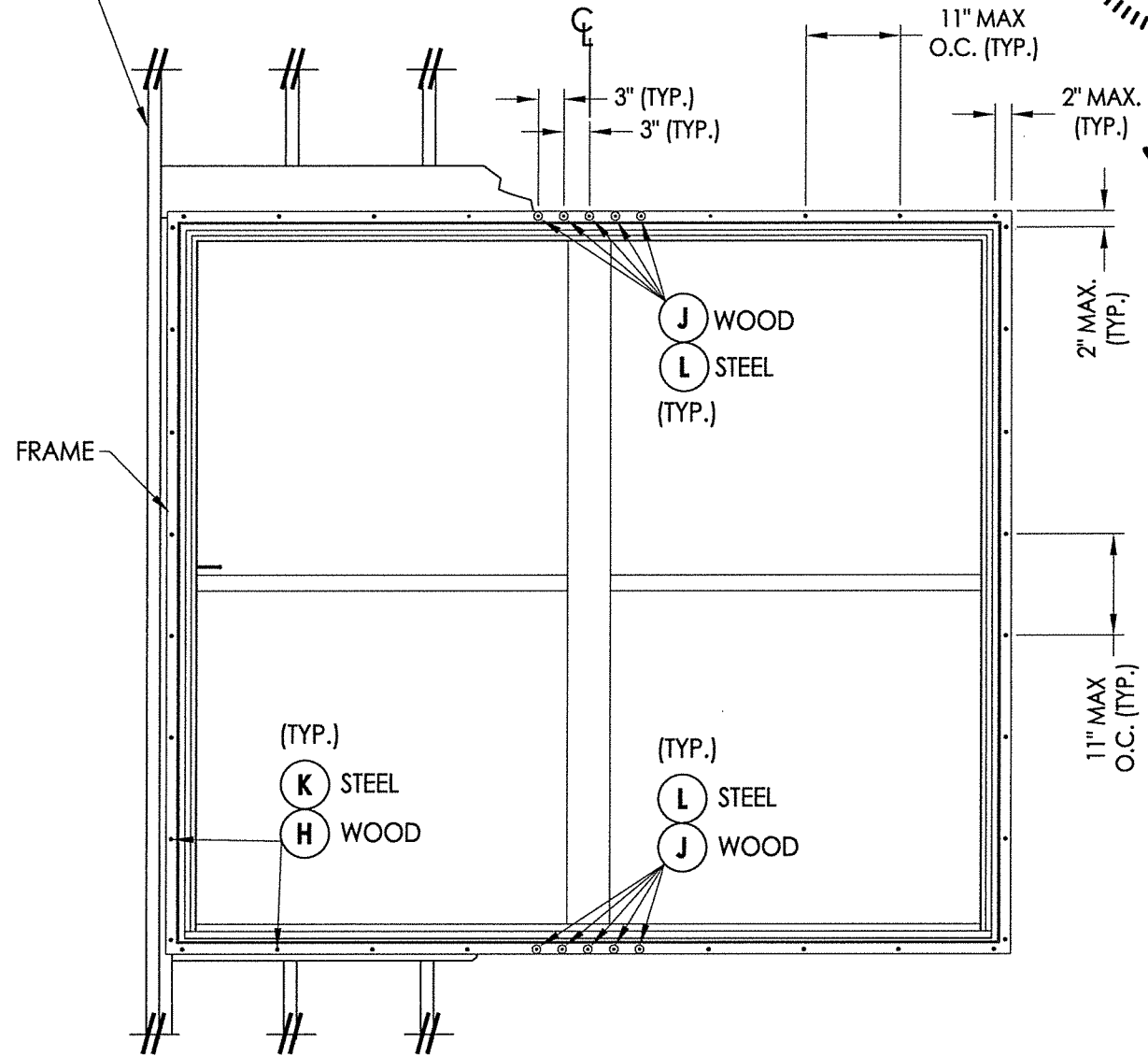
DATE: 2/25/19										PRODUCT:		SINGLE HUNG WINDOW	
SCALE: N.T.S.										PART OR ASSEMBLY:		BUCK ANCHORING	
DWG. BY: RW													
CHK. BY: LFS													
DRAWING NO.: FL-26514.10													
SHEET 4 OF 6													

R:\Clients\Associated PERMANENT\A - Florida Product Approvals\FL-26514 Windows - Single Hung (CM)\C - Drawings\FL-26514 (2020)\FL-26514.9-10.dwg, 3-5

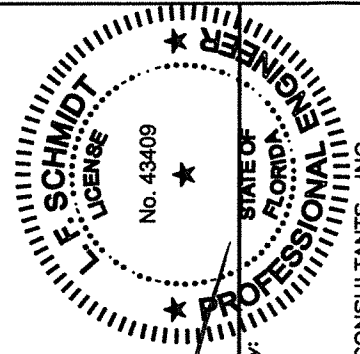


FRAME ANCHORING
Masonry 2X Buck Construction

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



FRAME ANCHORING
Stud Construction



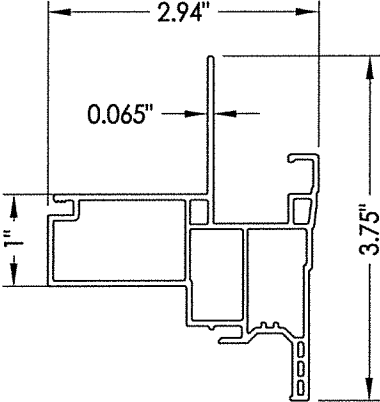
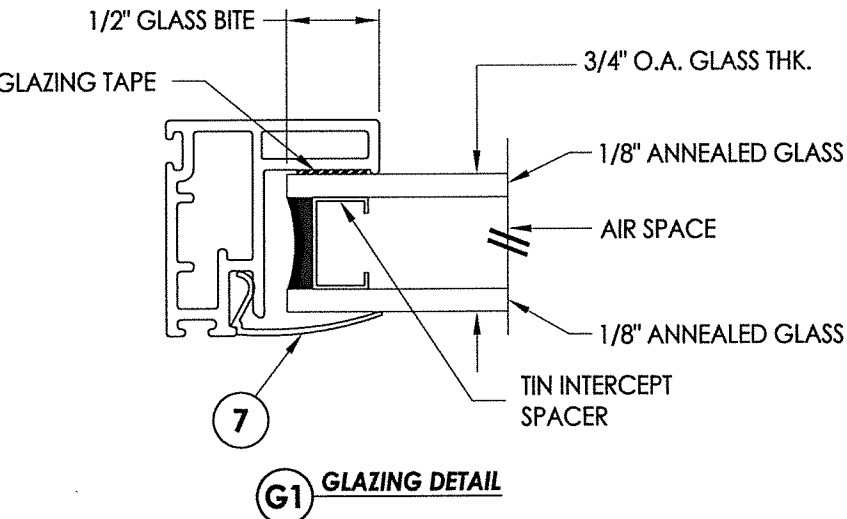
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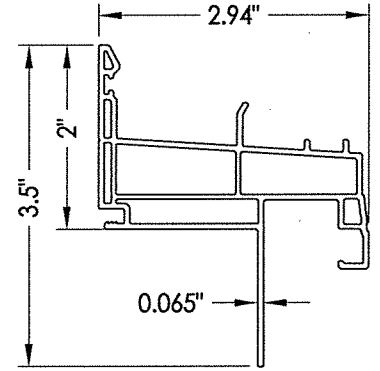
PRODUCT:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		FRAME ANCHORING	
1	9/30/20	UPDATE TO 7TH ED. (2020)	FBC
NO.	DATE	LFS	BY
REVISIONS			
DATE: 2/25/19			
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DWG. BY: RW			
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DRAWING NO.: FL-26514.10			
SHEET 5 OF 6			

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)	ALUM
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	-

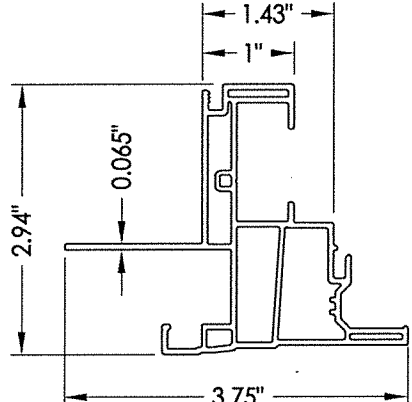
*THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS."



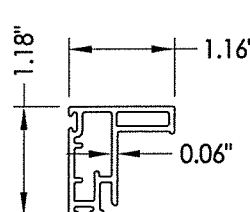
1 FRAME HEAD



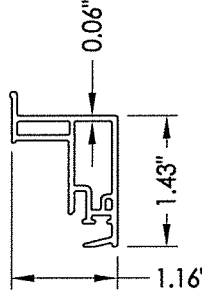
6 SILL



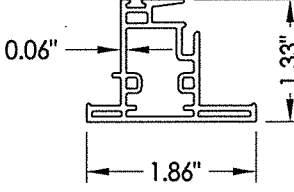
3 FRAME JAMB



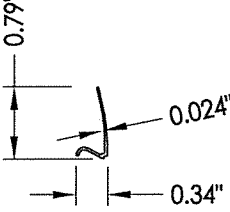
2 SASH STILE/RAIL



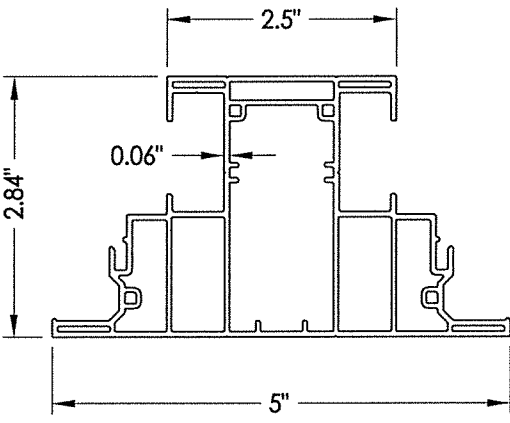
4 LOCK STILE



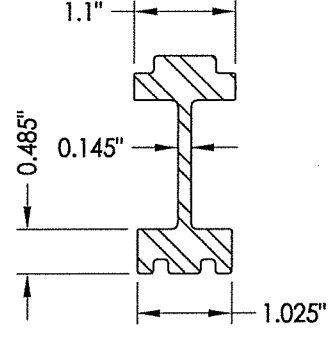
5 MEETING RAIL



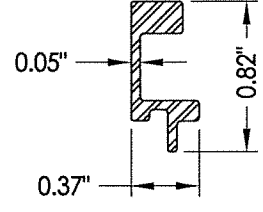
7 GLAZING BEAD



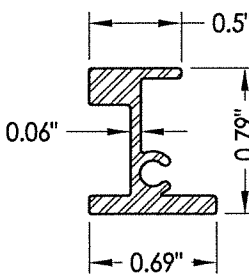
10 INTEGRAL MULLION



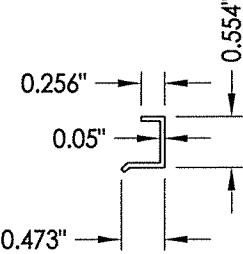
11 MULLION REINFORCEMENT



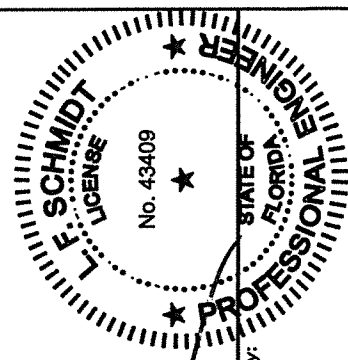
14 SASH/STILE & RAIL REINFORCEMENT



15 MEETING RAIL REINFORCEMENT



12 JAMB CLIP



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PRODUCT:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS	
DATE:		2/25/19	
SCALE:		N.T.S.	
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.:		FL-26514.10	
SHEET		6	OF 6