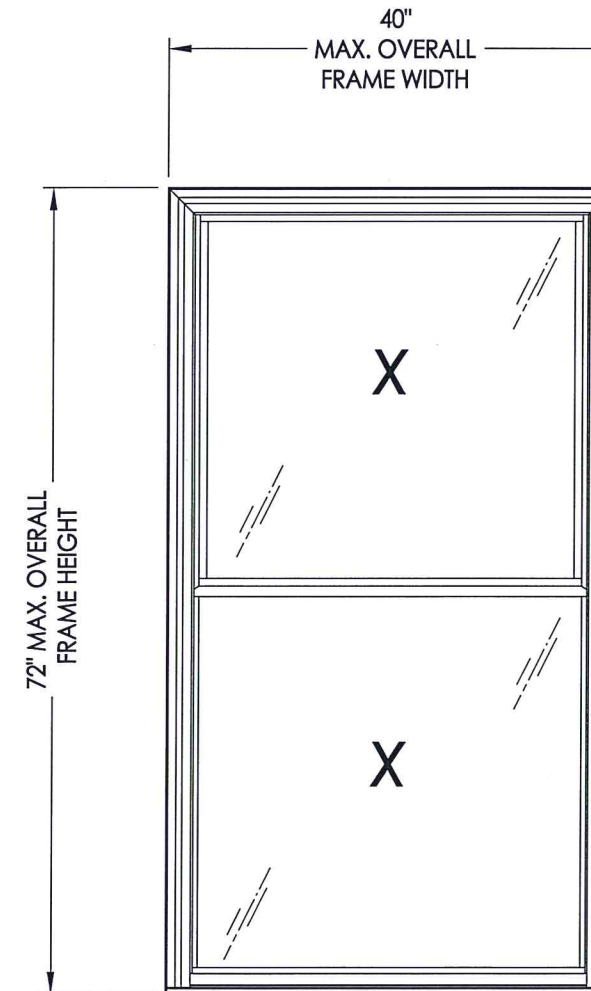




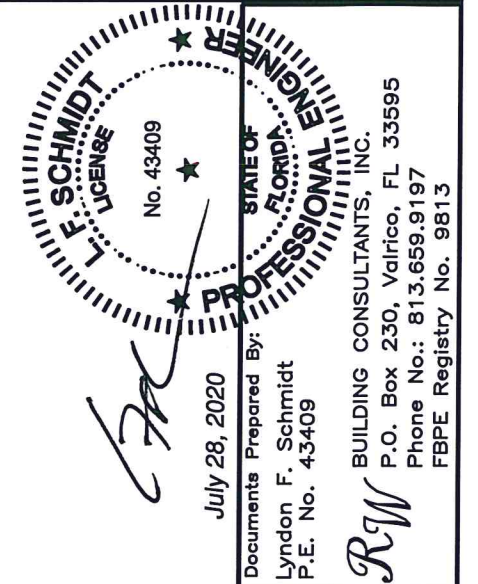
GENERAL NOTES

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).
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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and excludes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. 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	Components
6	Bill of materials & glazing details



MAX FRAME DIMENSION	MAX D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POS.	NEG.
40.0" X 72.0"	34.12" X 32.5"	G1	+60.0	-65.0



DATE: 6/17/19										PRODUCT:	
SCALE: N.T.S.										DOUBLE HUNG WINDOW	
DWG. BY: RW											
CHK. BY: LFS											
DRAWING NO.: FL-15385.7											
SHEET 1 OF 6		1		7/28/20		UPDATE TO 7TH ED (2020)		FBC		LFS	
		NO.		DATE						BY	
										REVISIONS	
© 2019 R.W. BUILDING CONSULTANTS INC.											

1-1/4" MIN.
EMB. (TYP.)

34 SEE NOTE 1

9 4 G1

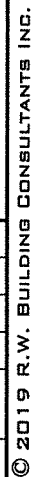
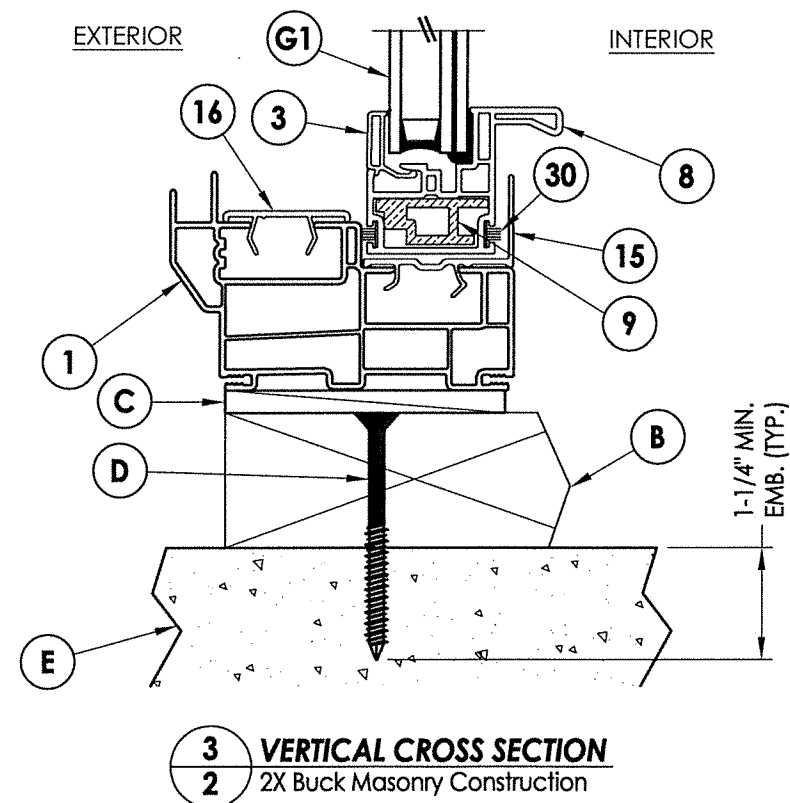
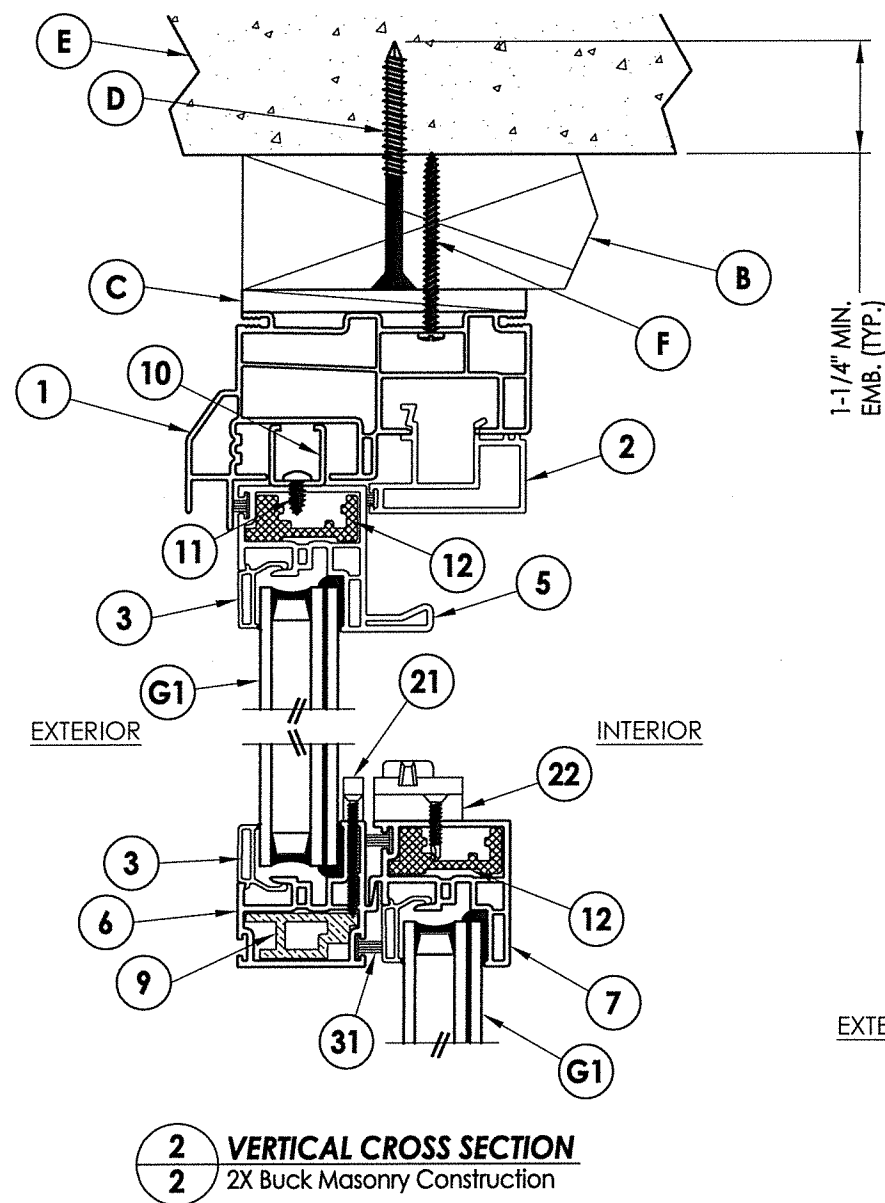
INTERIOR

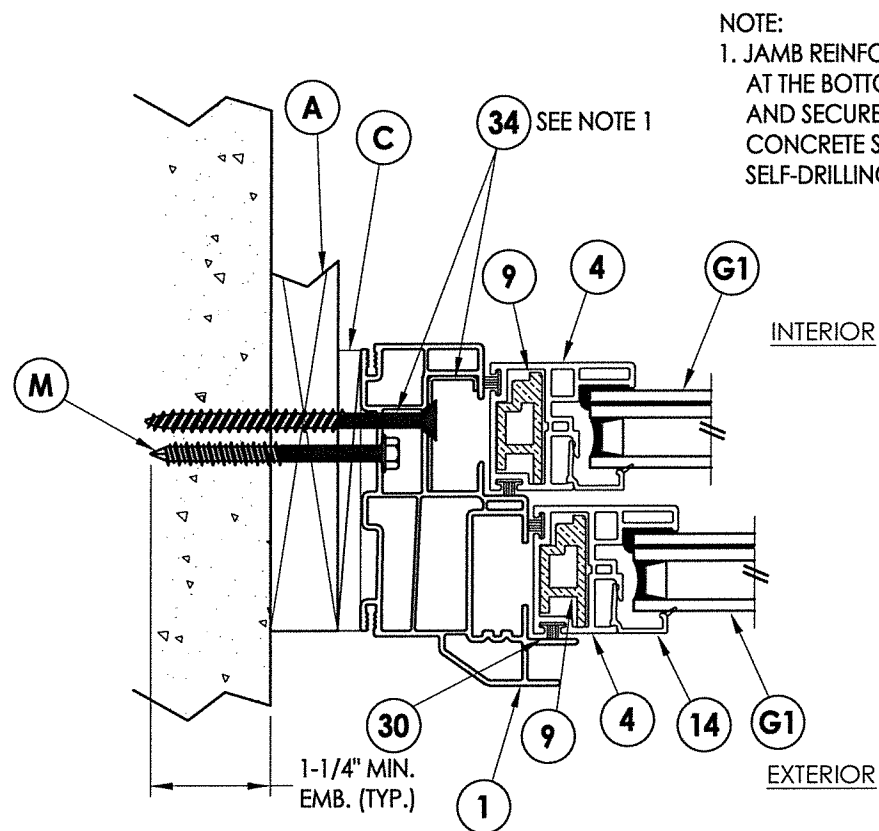
30 9 4 14 G1

EXTERIOR

1 2

HORIZONTAL CROSS SECTION
2X Buck Masonry Construction

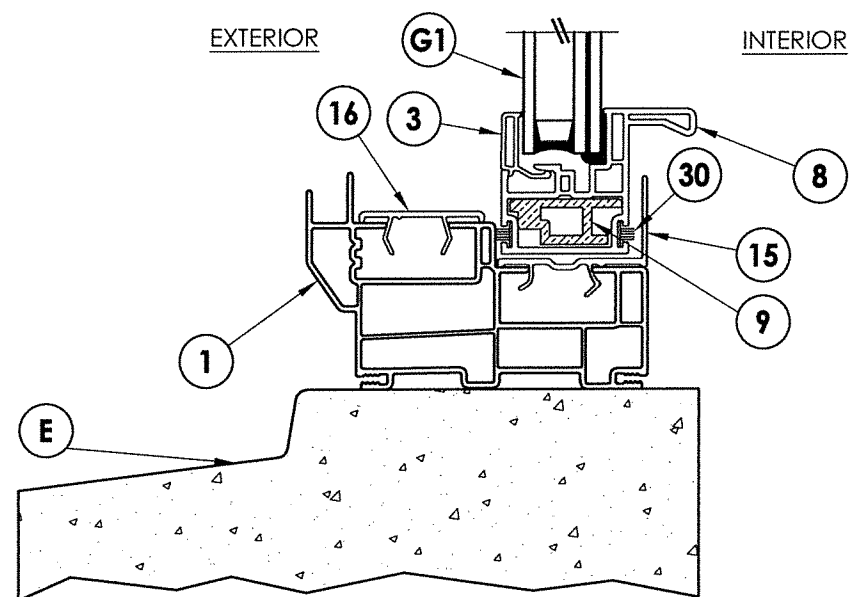




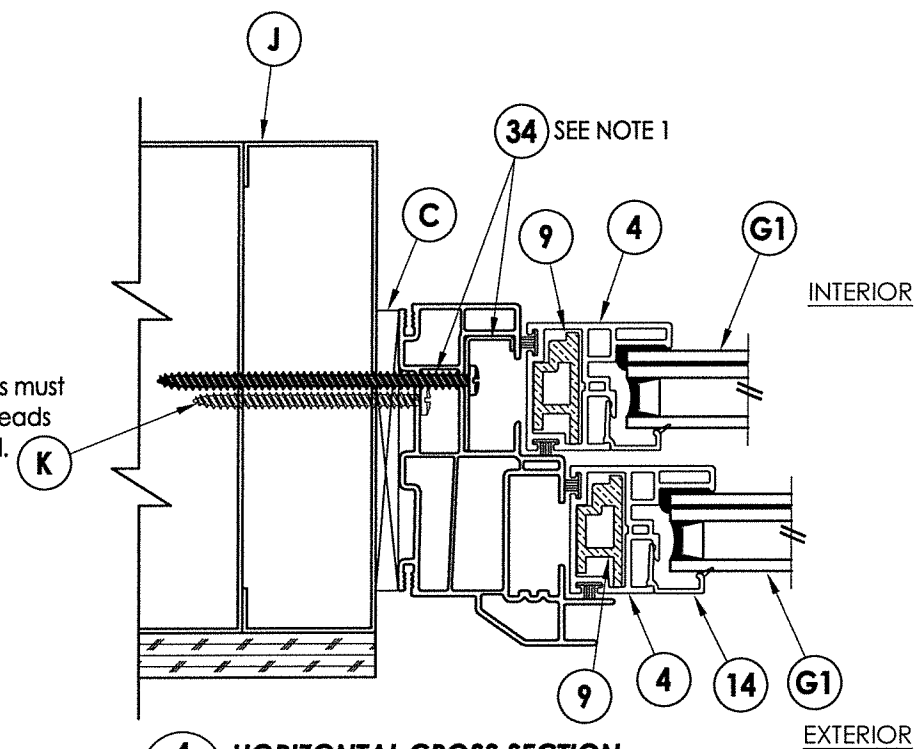
NOTE:
1. JAMB REINFORCEMENT CLIP, ITEM #34, LOCATED AT THE BOTTOM SASH TILT LATCH ON EACH JAMB AND SECURED WITH ONE 1/4" X 3-1/4" PFH ITW CONCRETE SCREW (CONCRETE) OR ONE #10 PPH SELF-DRILLING SMS (METAL STUD).

NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through 2 sheets of metal. 

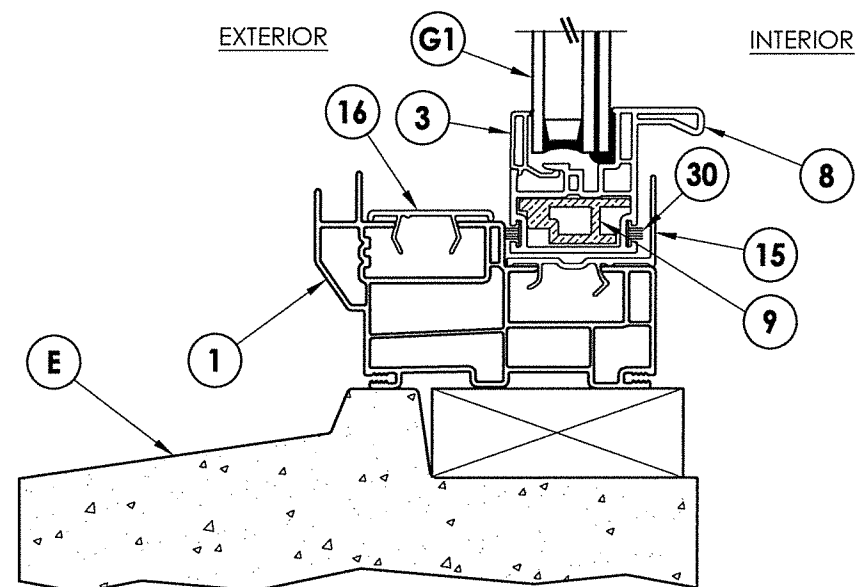
1 **HORIZONTAL CROSS SECTION**
3 Shown w/ 1X sub-buck



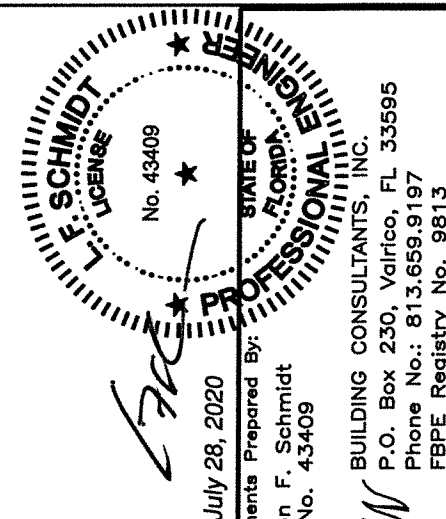
2 VERTICAL CROSS SECTION
3 Masonry sill



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



3 VERTICAL CROSS SECTION
3 Masonry sill



July 28, 2020

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

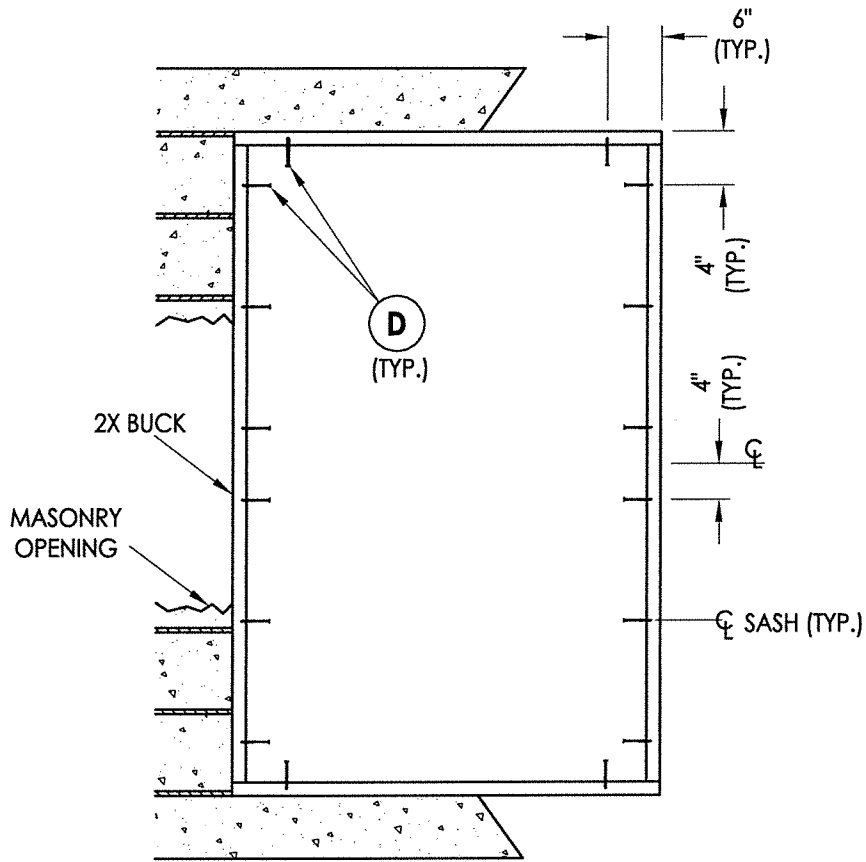
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:

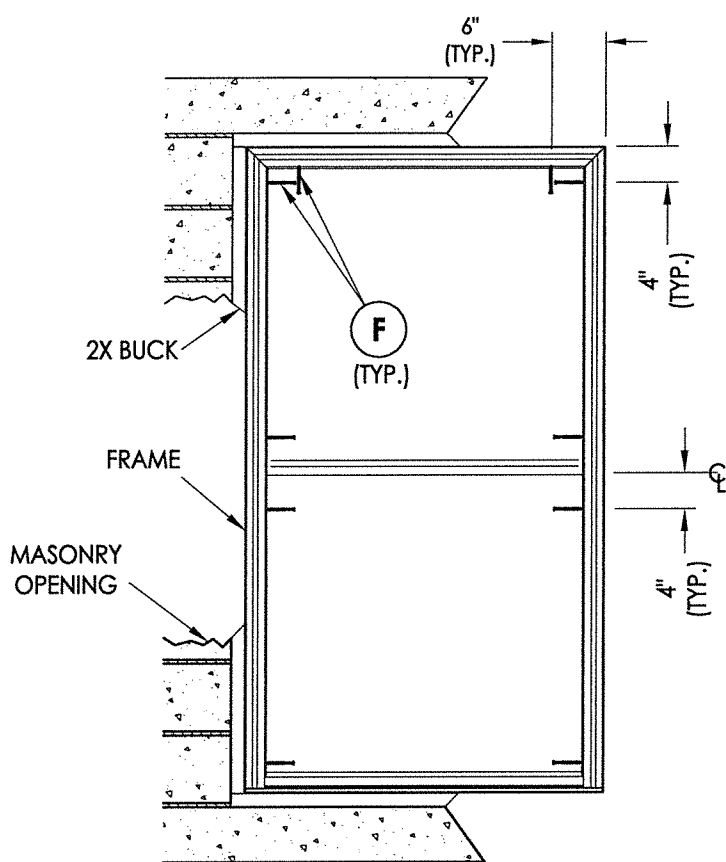
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
**VERTICAL & HORIZONTAL
CROSS SECTIONS**

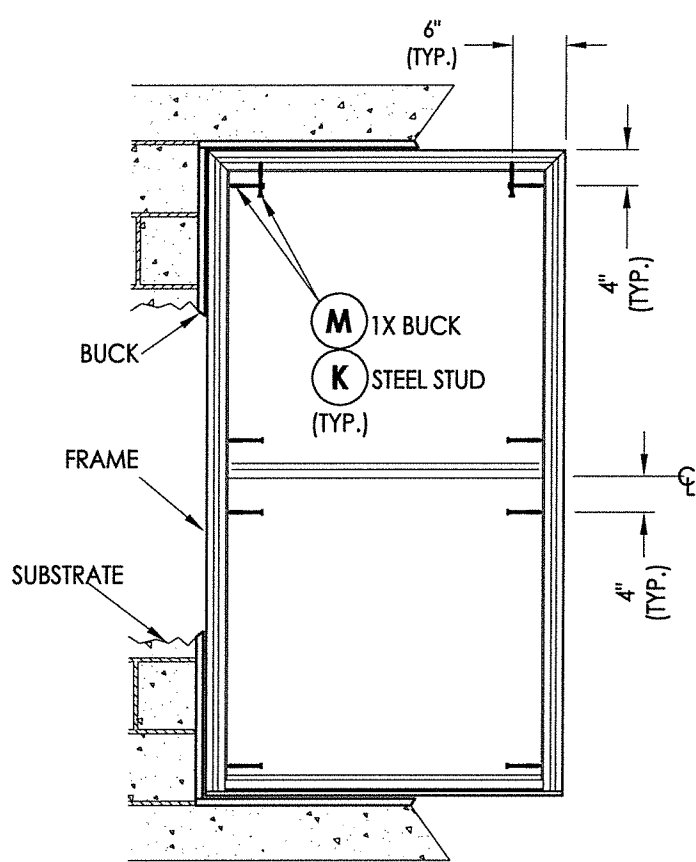
[illegible]



2X BUCK ANCHORING



FRAME ANCHORING
2X BUCK



FRAME ANCHORING
1X BUCK/STEEL STUD

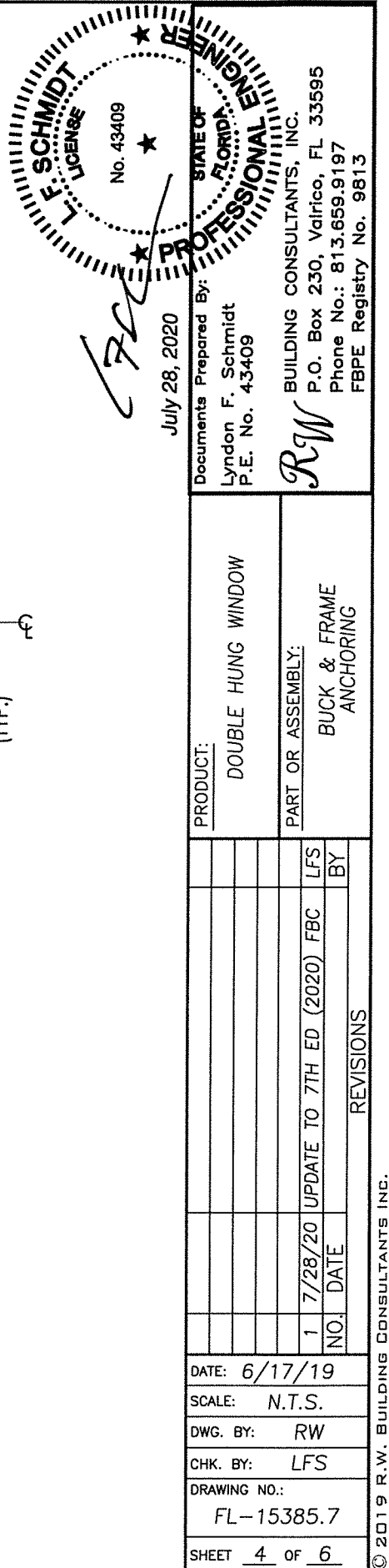
CONCRETE ANCHOR NOTES:

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:

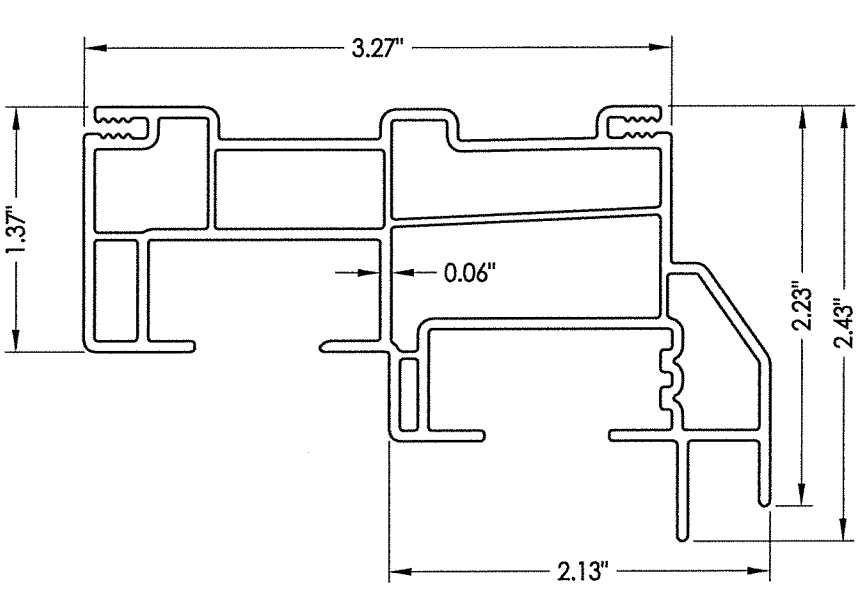
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

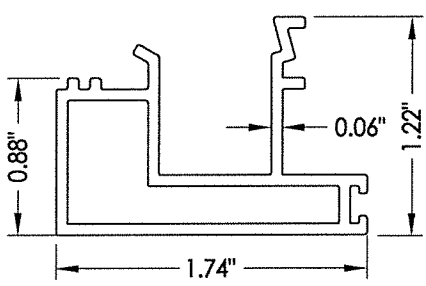
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



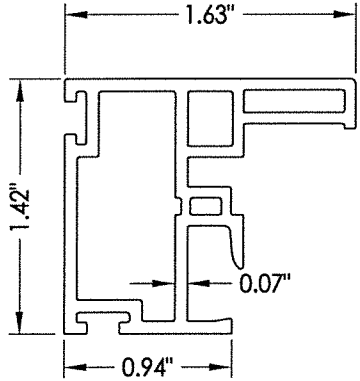
R:\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15385 Windows - Double Hung\A - Drawings\FL-15385 (2020) R5\FL-15385.7.dwg, 5.7



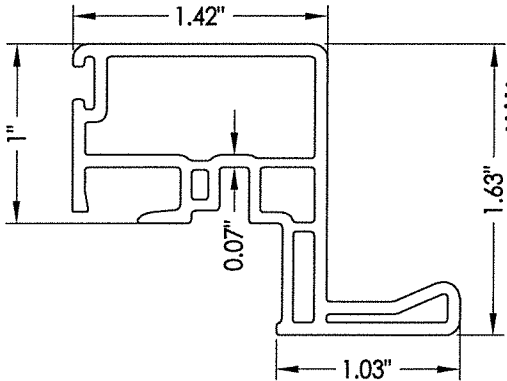
1 FRAME



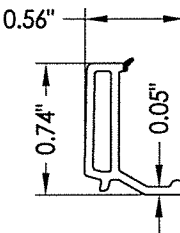
2 HEAD ADAPTER



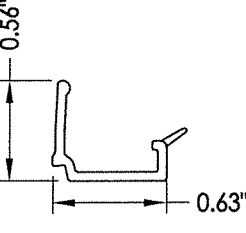
4 STILE



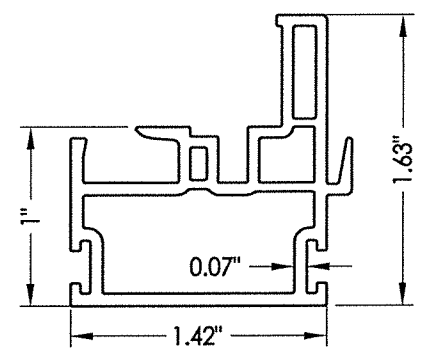
5 PULL RAIL



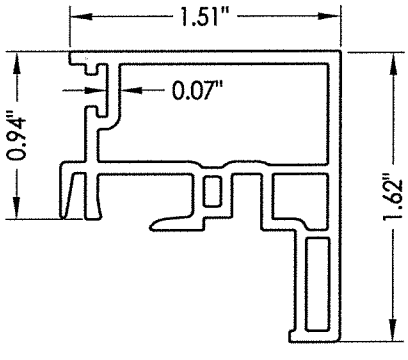
3 GLAZING BEAD



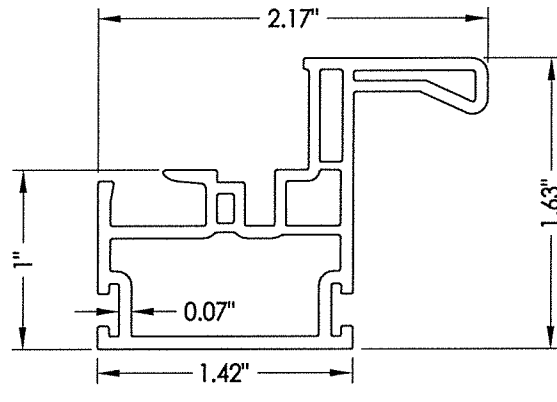
14 GLAZING BEAD



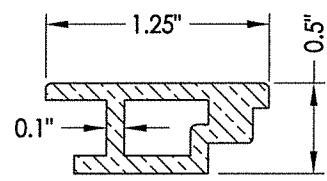
6 KEEPER RAIL



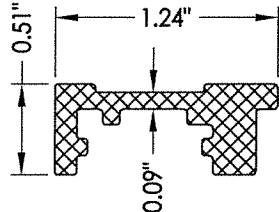
7 LOCK RAIL



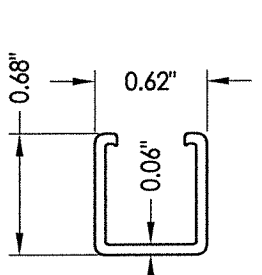
8 LIFT RAIL



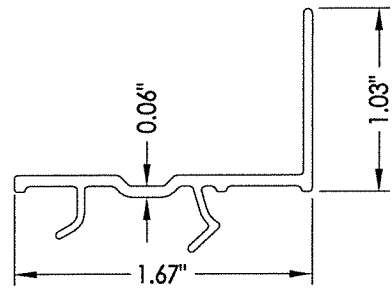
9 REINFORCEMENT (STILE)



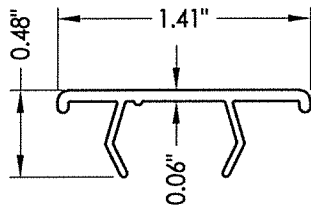
12 REINFORCEMENT (LOCK RAIL)



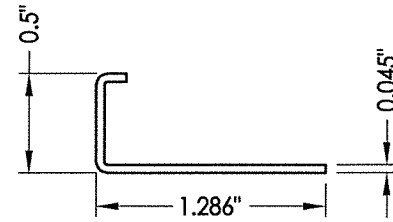
10 INTERLOCK CLIP



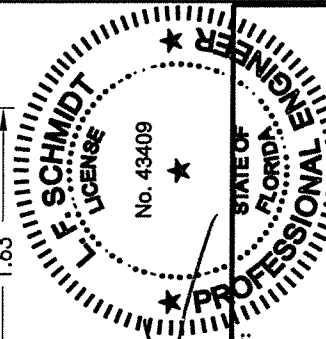
15 SILL ADAPTER



16 SILL CAP



34 JAMB REINFORCEMENT CLIP 1" Wide



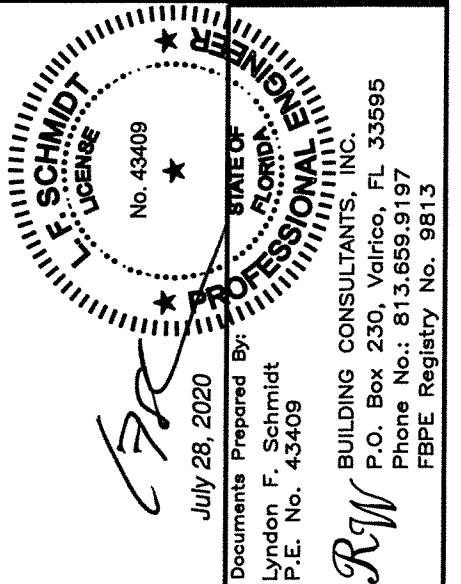
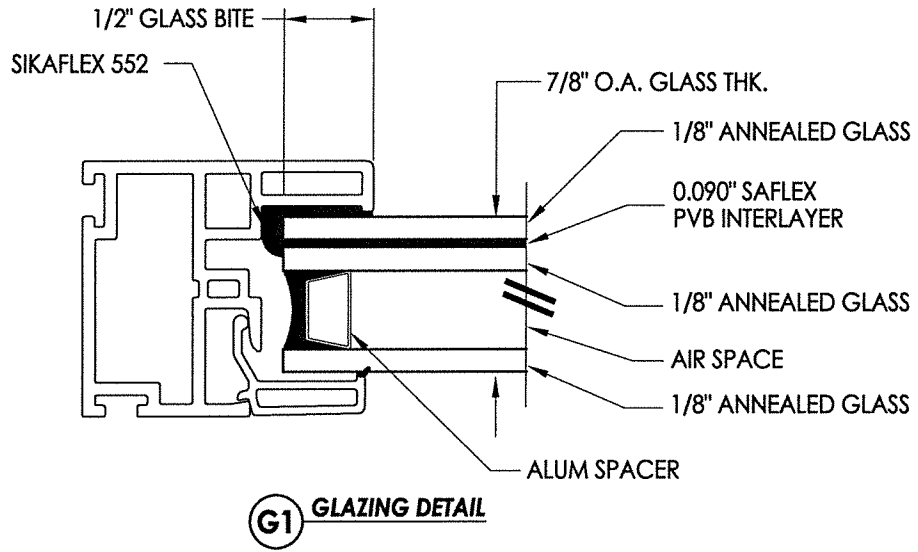
July 28, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

PRODUCT:		DOUBLE HUNG WINDOW	
PART OR ASSEMBLY:		COMPONENTS	
NO.	DATE	REVISIONS	BY
1	7/28/20	UPDATE TO 7TH ED (2020) FBC	LFS
DATE: 6/17/19			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-15385.7			
SHEET 5 OF 6			

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	STEEL
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" PFH WS (1-1/2" 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
M	1/4" X 2-3/4" HH ELCO OR ITW CONCRETE SCREW	STEEL
1	FRAME*	PVC
2	HEAD ADAPTER*	PVC
3	GLAZING BEAD*	PVC
4	STILE *	PVC
5	PULL RAIL (TOP SASH)*	PVC
6	KEEPER RAIL (TOP SASH)*	PVC
7	LOCK RAIL (BOTTOM SASH)*	PVC
8	LIFT RAIL (BOTTOM SASH)*	PVC
9	REINFORCEMENT (6065-T5 ALUM)	ALUM
10	INTERLOCK CLIP	STEEL
11	#6 X 1/2" PPH SMS	STEEL
12	REINFORCEMENT (6065-T5 ALUM)	ALUM
14	GLAZING BEAD*	PVC
15	SILL ADAPTER*	PVC
16	SILL CAP*	PVC
21	KEEPER - TRUTH #C41275	-
22	LOCK ASSEMBLY - TRUTH #A30700401	-
30	CENTER FIN PILE (0.187" X 0.190")	-
31	CENTER FIN PILE (0.270" X 0.220")	-
34	JAMB REINFORCEMENT CLIP #970	STEEL

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

[illegible]