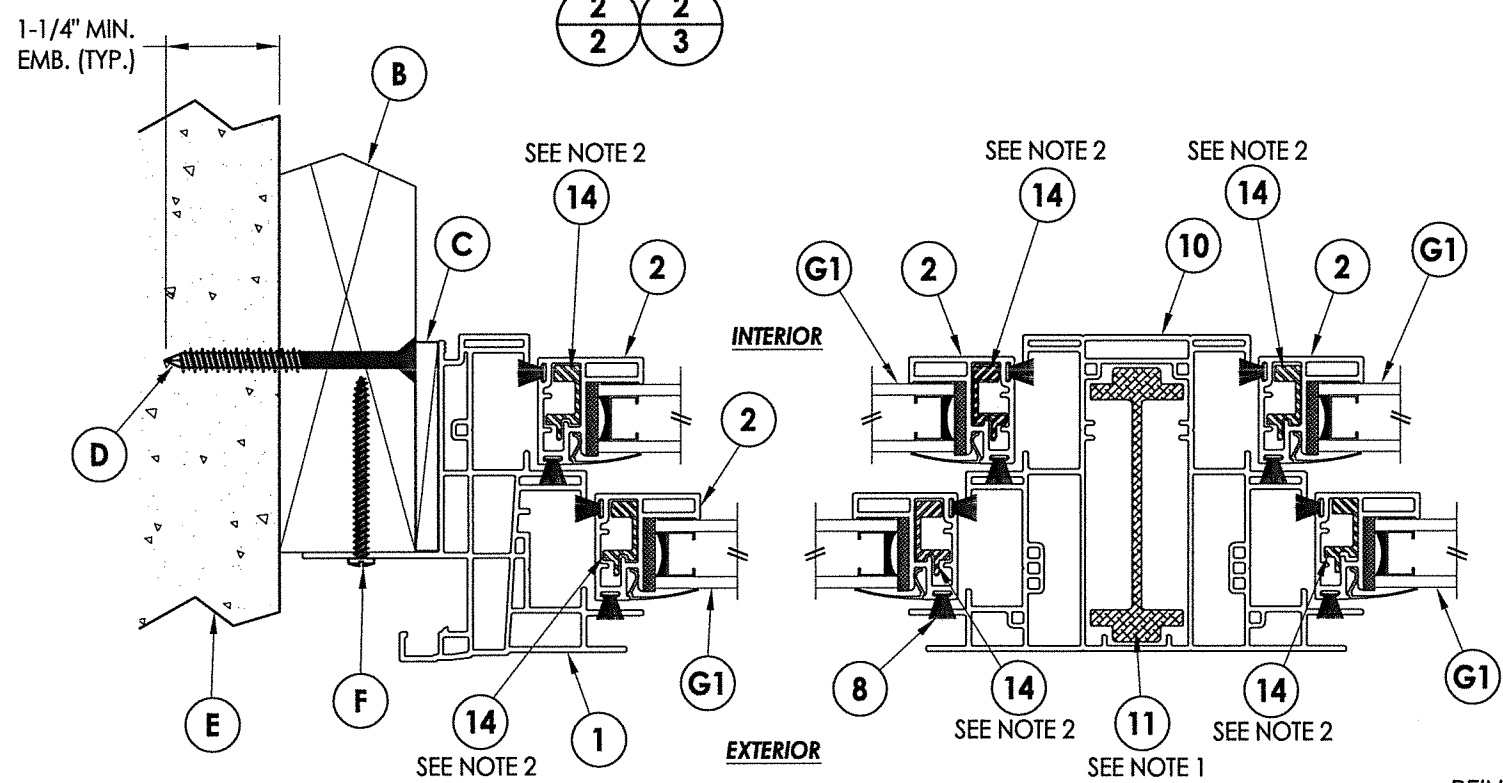
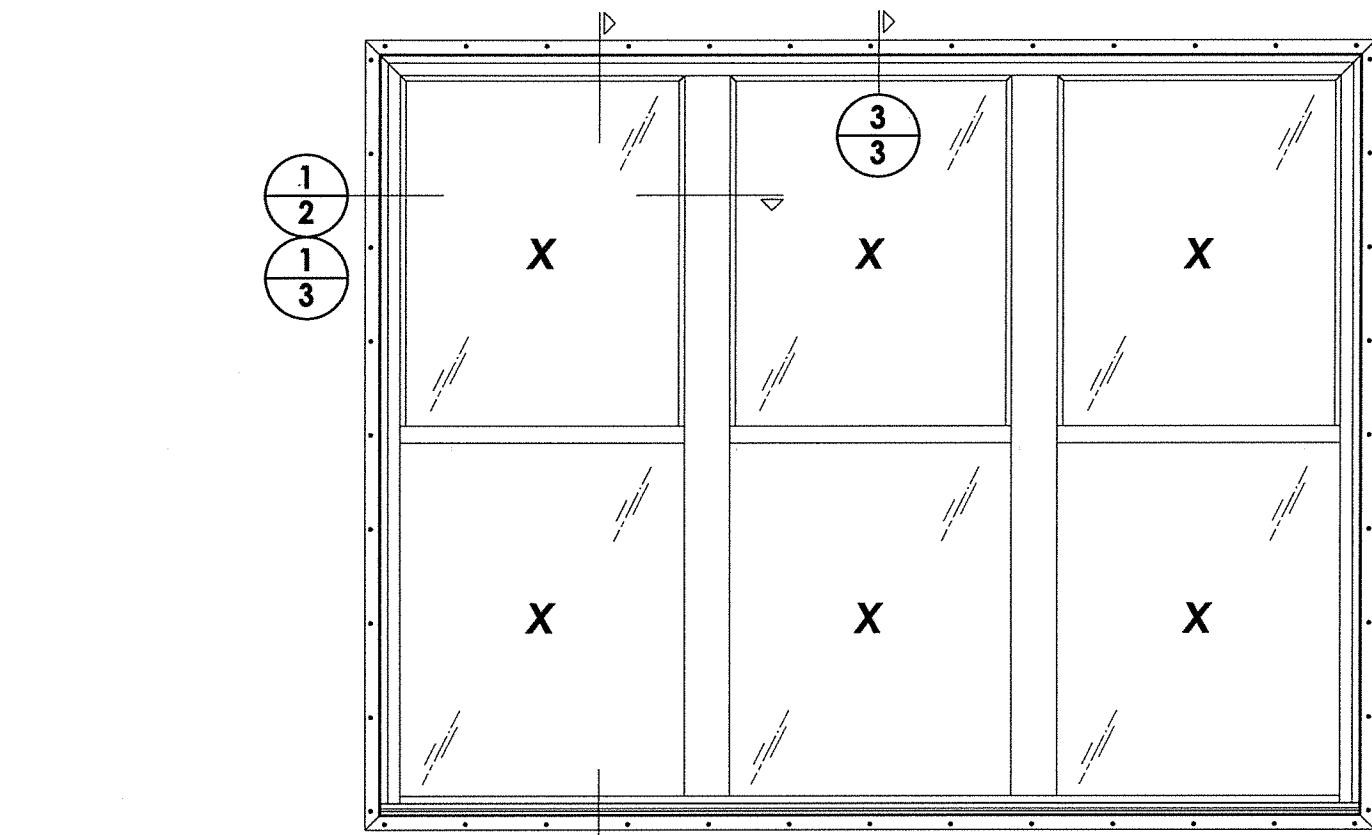
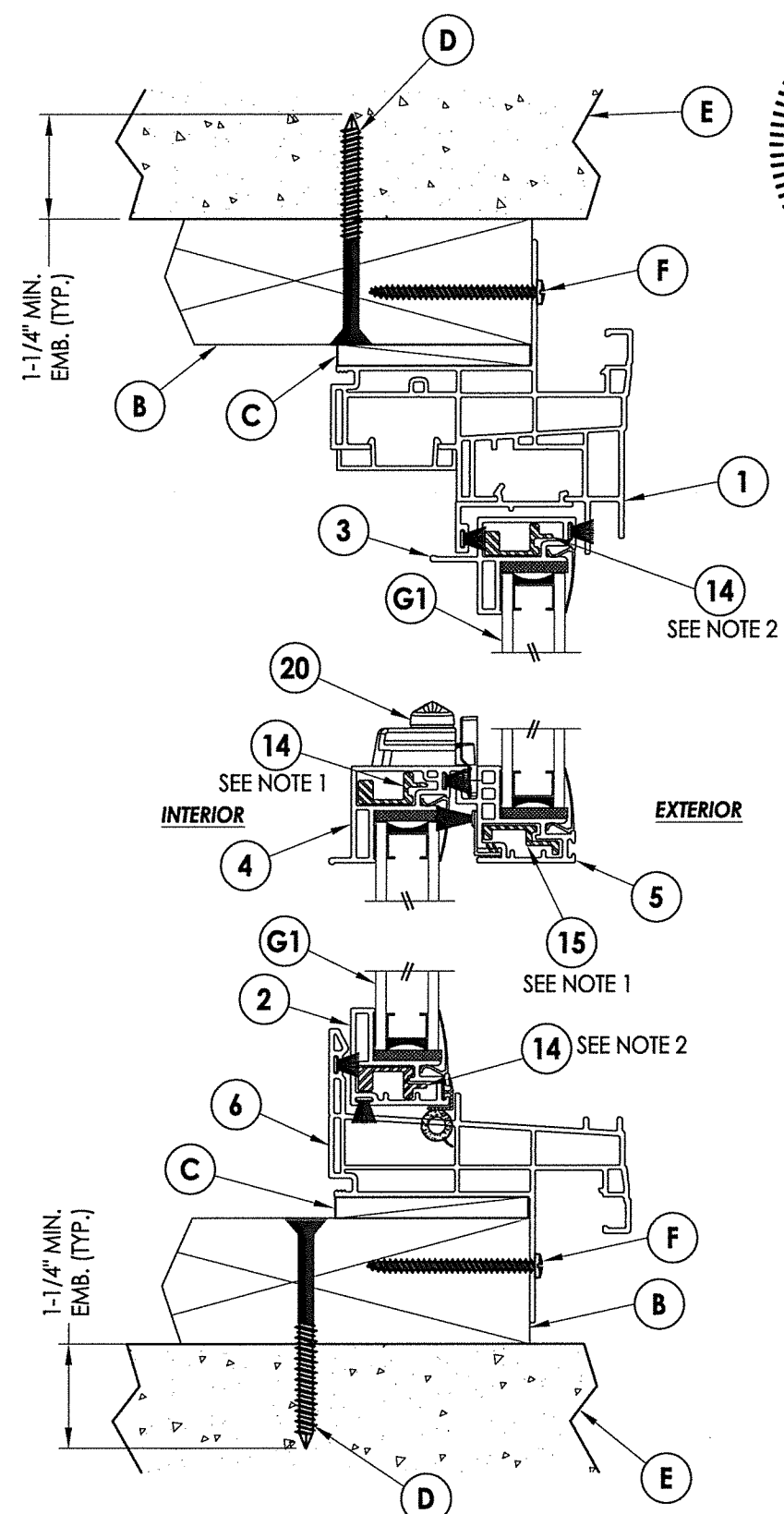






1 HORIZONTAL CROSS SECTION
2x Buck Construction

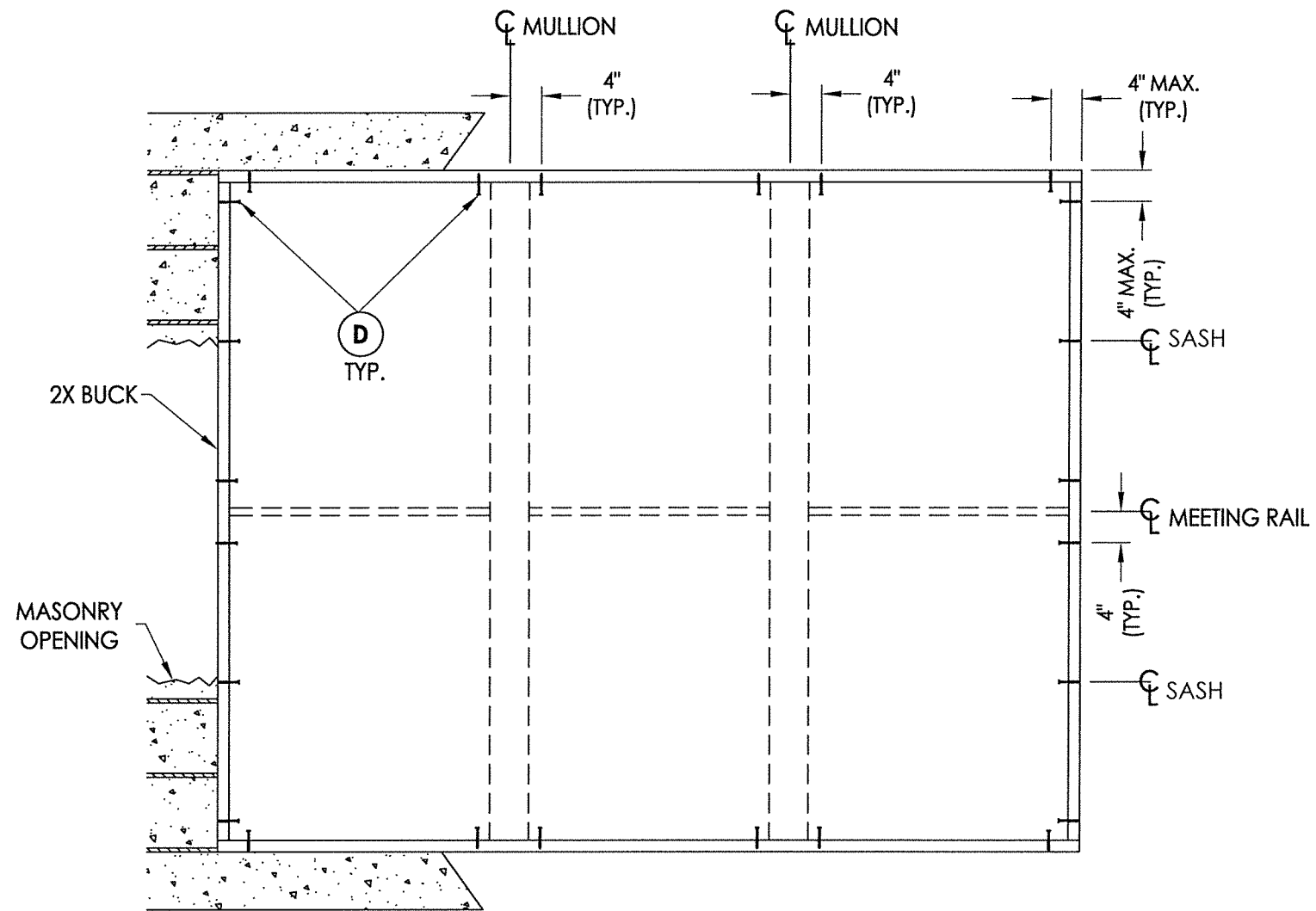


2 VERTICAL CROSS SECTION
2x Buck Construction

- REINFORCEMENT NOTES:**
1. LOCK RAIL, MEETING RAIL & INTEGRAL MULLION REINFORCEMENTS ARE REQUIRED FOR ALL WINDOW FRAME SIZES.
 2. SASH STILE & BOTTOM RAIL REINFORCEMENTS ARE REQUIRED FOR ALL WINDOW FRAME SIZES WHERE THE HEIGHT > 75".

FLORIDA PROFESSIONAL ENGINEER
F. SCHMIDT
LICENSE No. 43409
September 30, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairco, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		DOUBLE HUNG WINDOW	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
	</		



BUCK ANCHORING

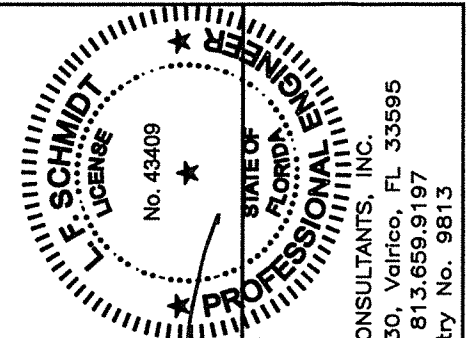
CONCRETE ANCHOR NOTES:

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 3/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



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PRODUCT:

DOUBLE HUNG WINDOW

PART OR ASSEMBLY:

BUCK ANCHORING

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

DATE: 6/05/18

SCALE: N.T.S.

DWG. BY: JK

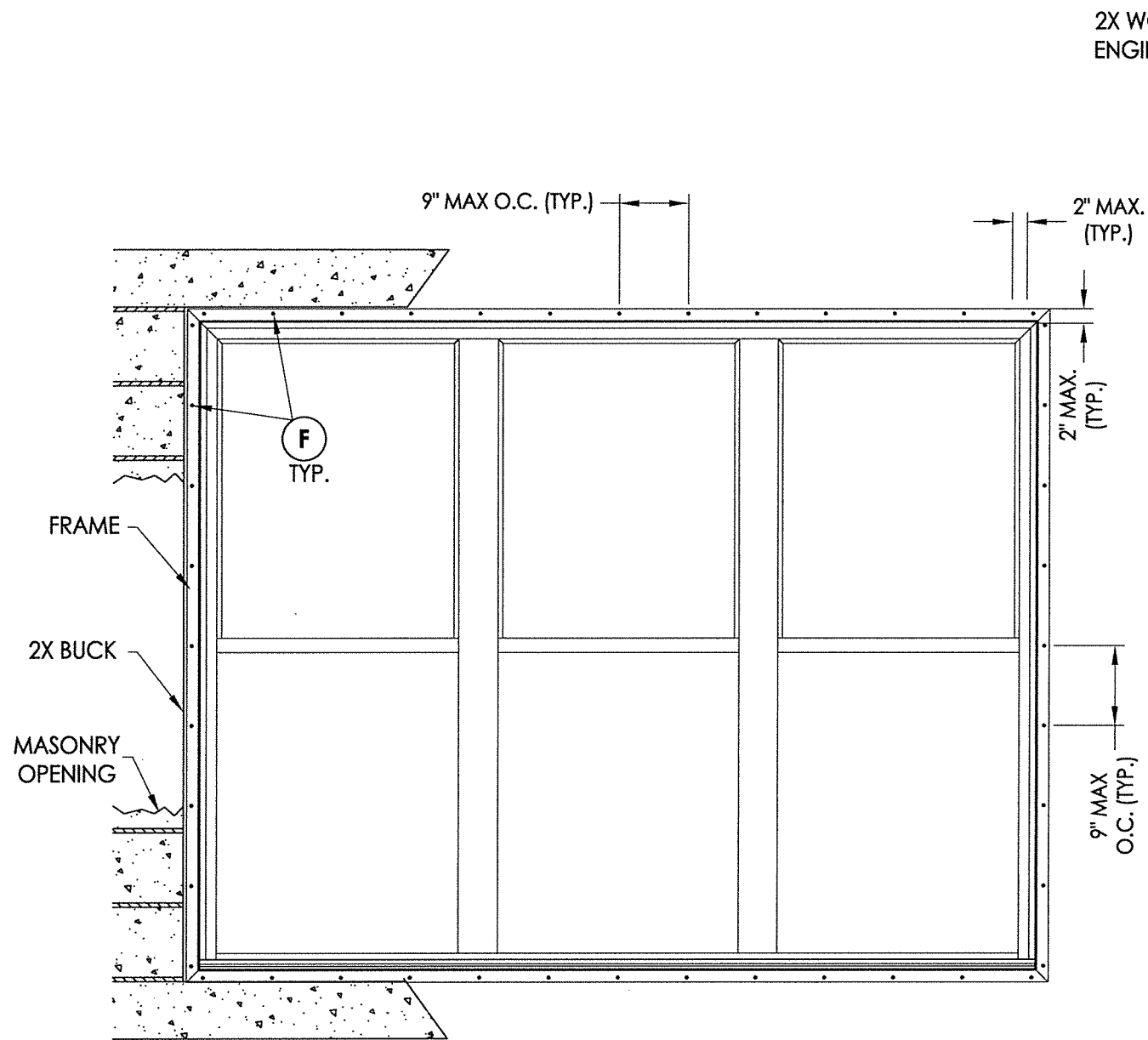
CHK. BY: LFS

DRAWING NO.:

FL-27170.4

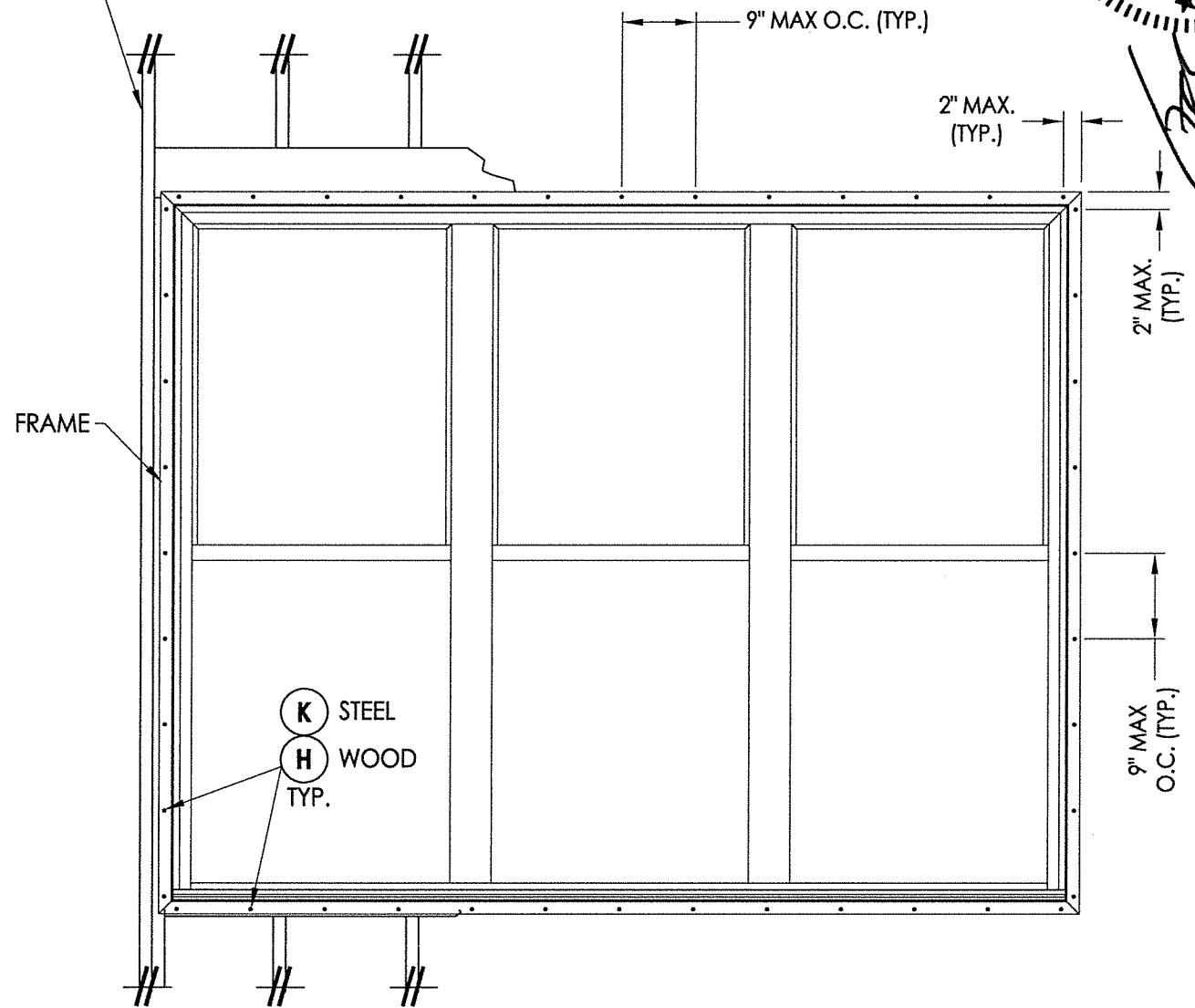
SHEET 4 OF 6

R:\Clients\Associated PERMANENT\A - Florida Product Approvals\FL-27170 Windows - Double Hung (CM)\C - Drawings\FL-27170 (2020)\FL-27170.3-4.dwg, 4-5

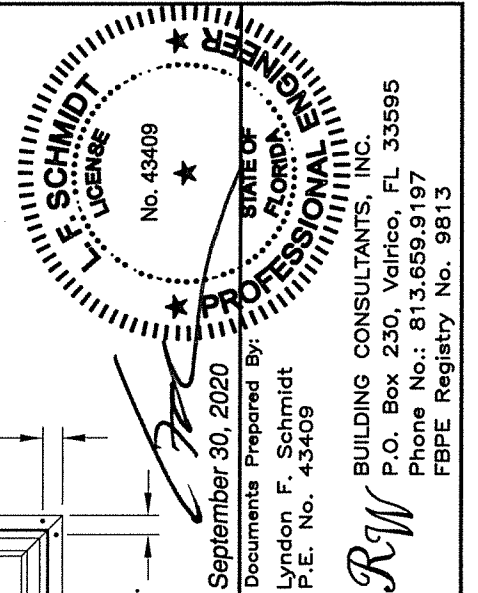


FRAME ANCHORING
Masonry 2X Buck Construction

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



FRAME ANCHORING
Stud Construction

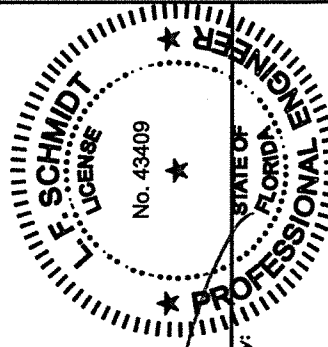
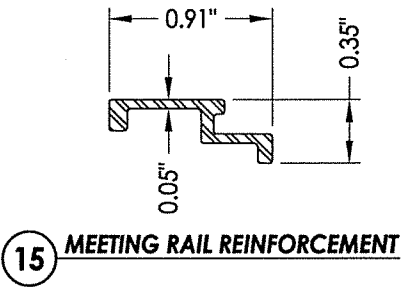
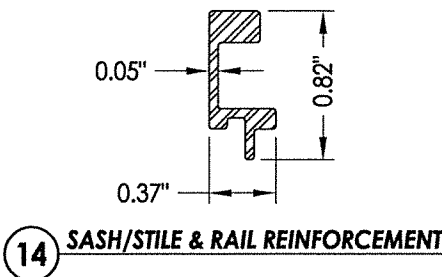
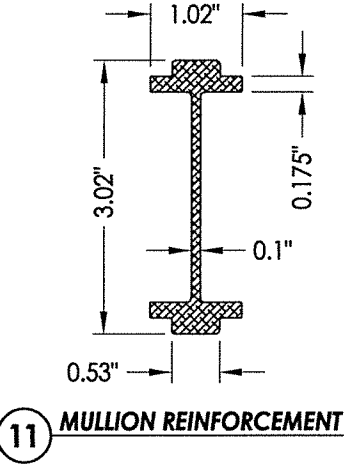
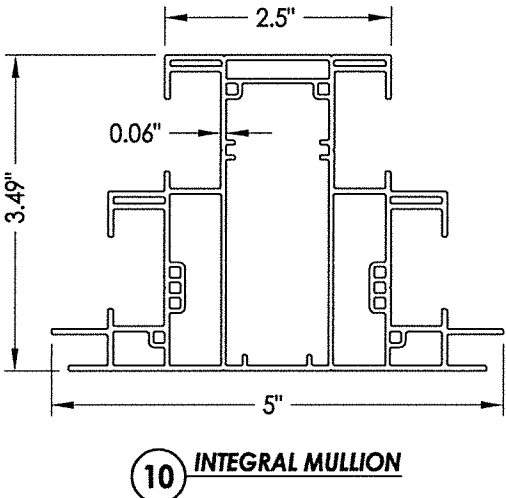
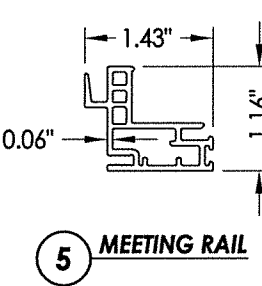
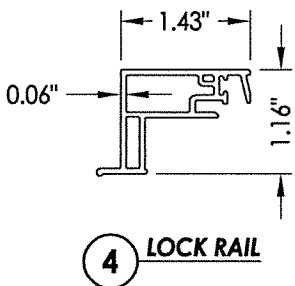
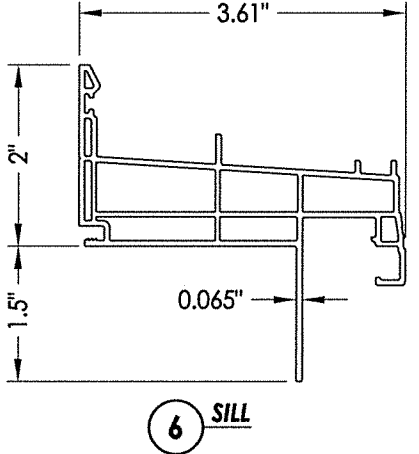
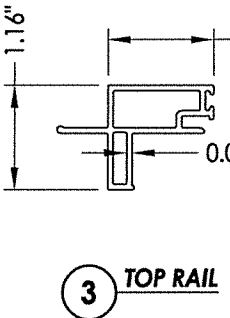
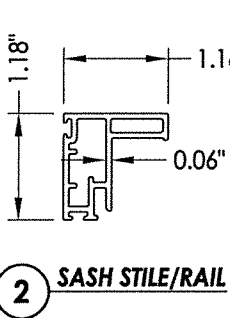
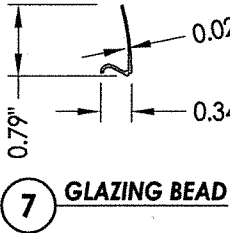
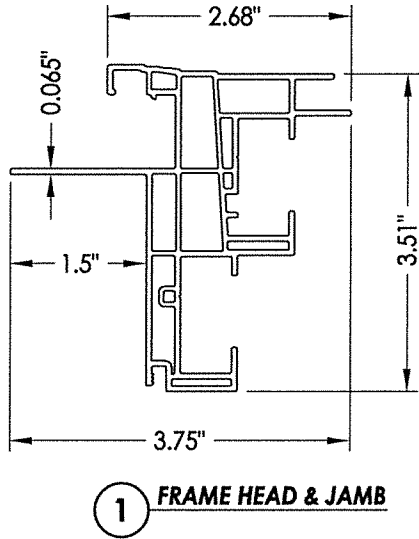
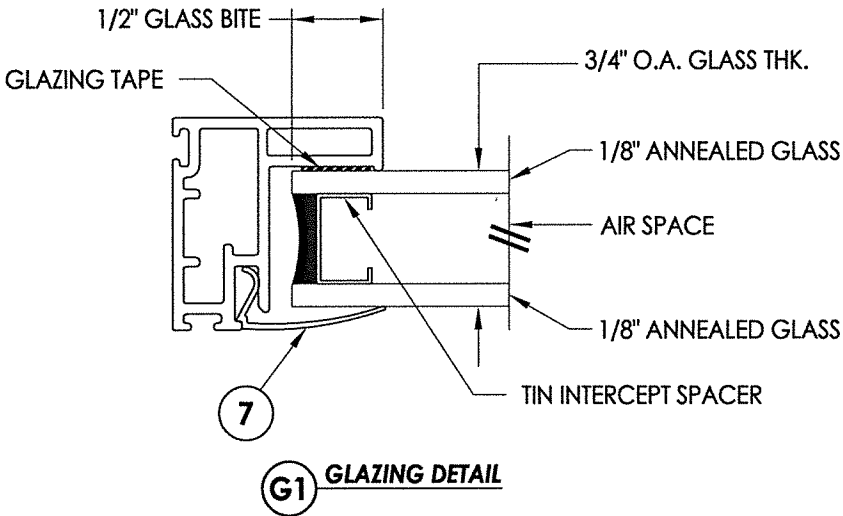


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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		DOUBLE HUNG WINDOW	
PART OR ASSEMBLY:		FRAME ANCHORING	

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
H	#8 X 2-1/2" PPH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
K	#10 PPH SELF-DRILLING SMS	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 & JAMB*	RIGID PVC
2	EXTRUDED VINYL SASH STILE/RAIL*	RIGID PVC
3	EXTRUDED VINYL TOP RAIL*	RIGID PVC
4	EXTRUDED VINYL LOCK RAIL*	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 (S-048)(6063-T6)	ALUM
14	SASH / STILE & RAIL REINFORCEMENT (S-047)(6063-T5)	ALUM
15	MEETING RAIL REINFORCEMENT (S-050)(6061-T6)	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."



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PRODUCT:		DOUBLE HUNG WINDOW	
PART OR ASSEMBLY:		BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS	
NO.	DATE	UPDATE TO	BY
1	9/30/20	UPDATE TO 7TH ED. (2020)	LFS
REVISIONS			
DATE: 6/05/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-27170.4			
SHEET 6 OF 6			