



Single Hung Window

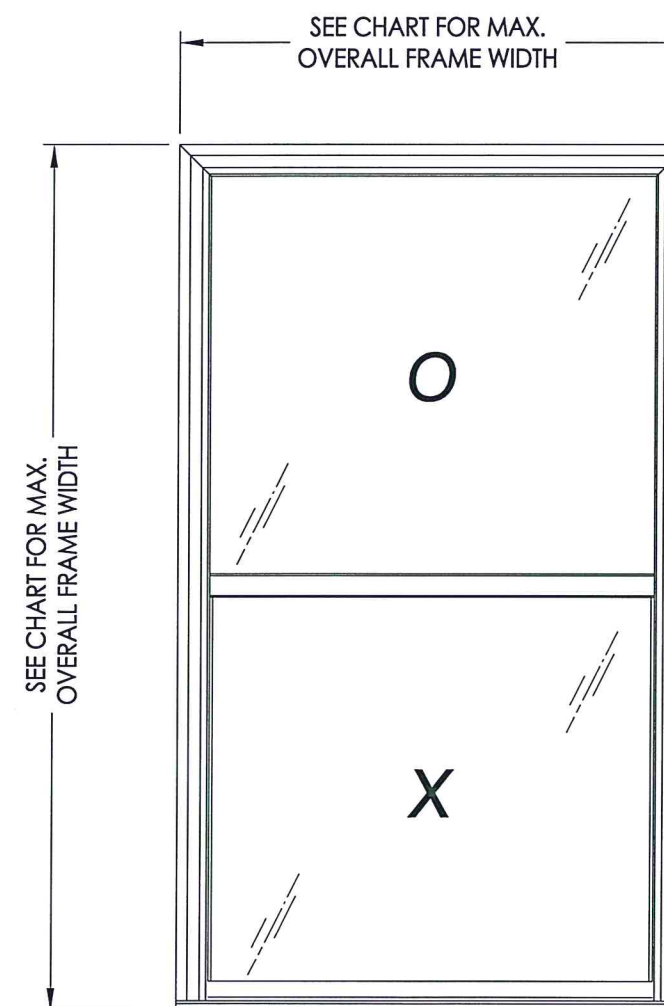
"NON-IMPACT"

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.

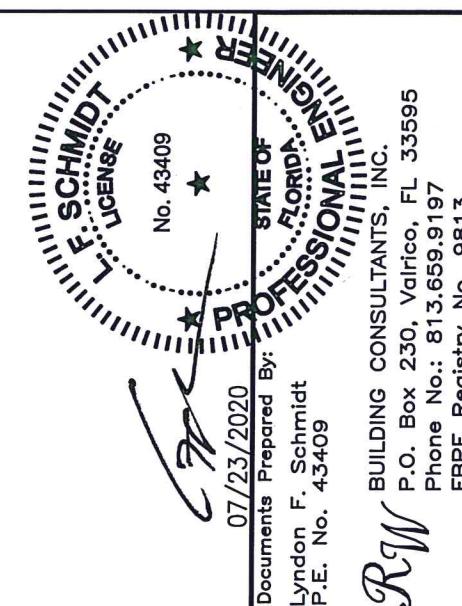
When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
3. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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



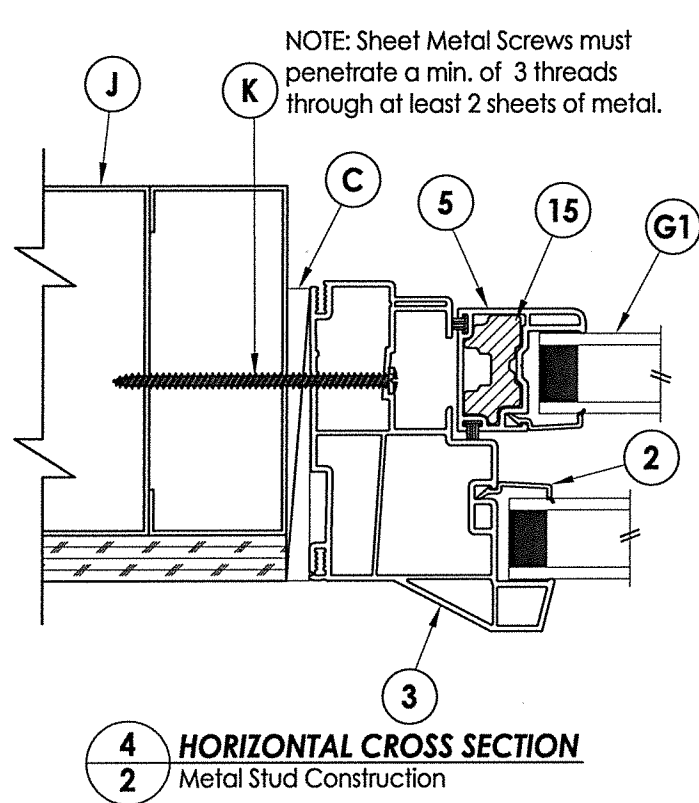
MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION (OPERABLE)	MAX DAY LITE DIMENSION (FIXED)	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POS.	NEG.
44.0" X 75.0"	37.88" x 33.88"	38.63" x 33.88"	G1	+35.0	-35.0
				+50.0*	-50.0
40.0" X 63.0"	33.88" x 27.88"	34.56" x 27.88"	G1	+45.0	-45.0
				+50.0*	-65.0

* SILL RISER REQUIRED
SEE SHEETS 2 & 3 FOR REINFORCEMENT REQUIREMENTS

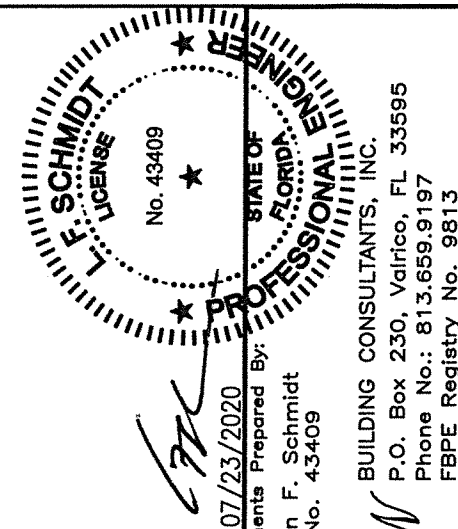
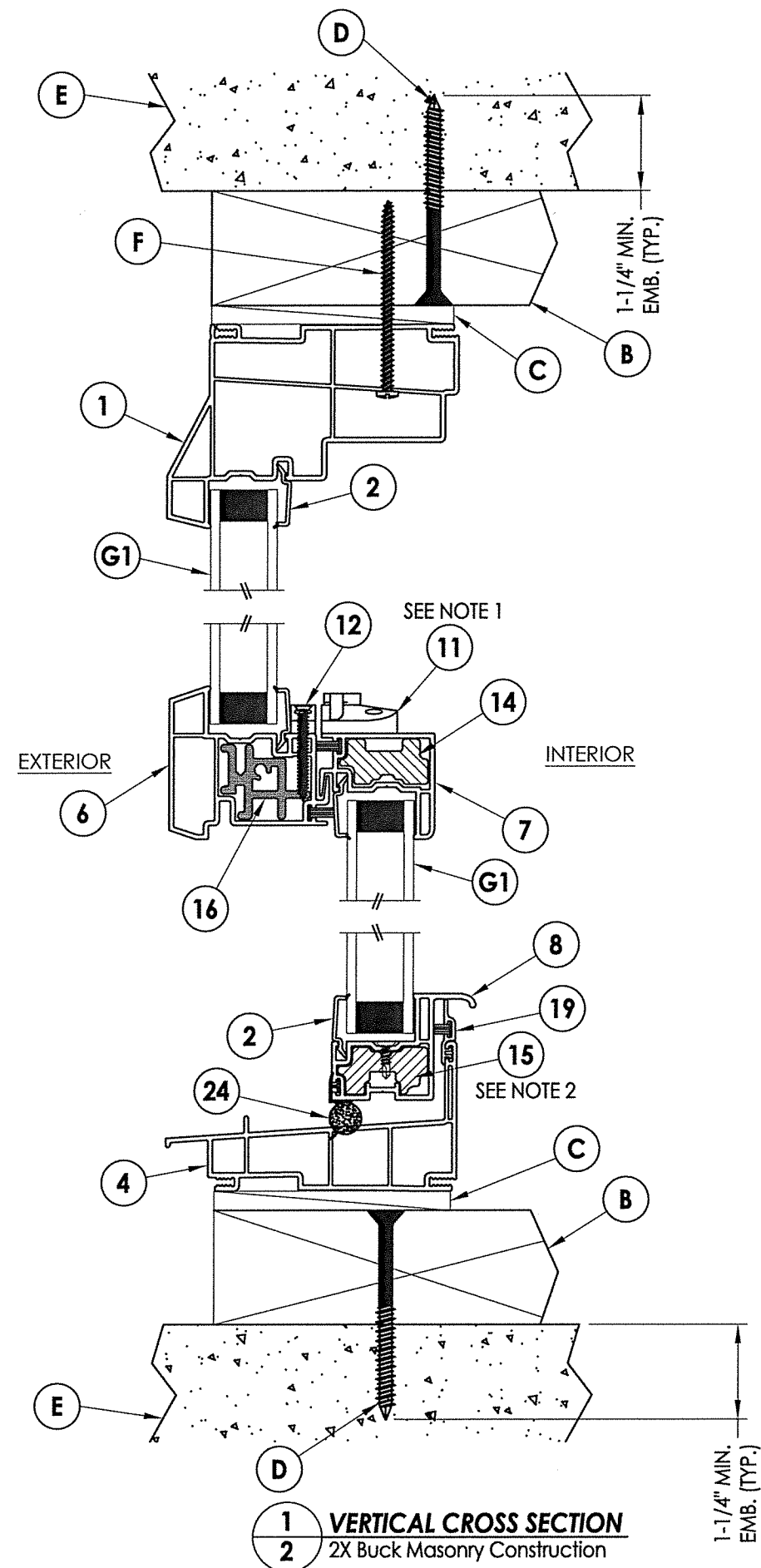
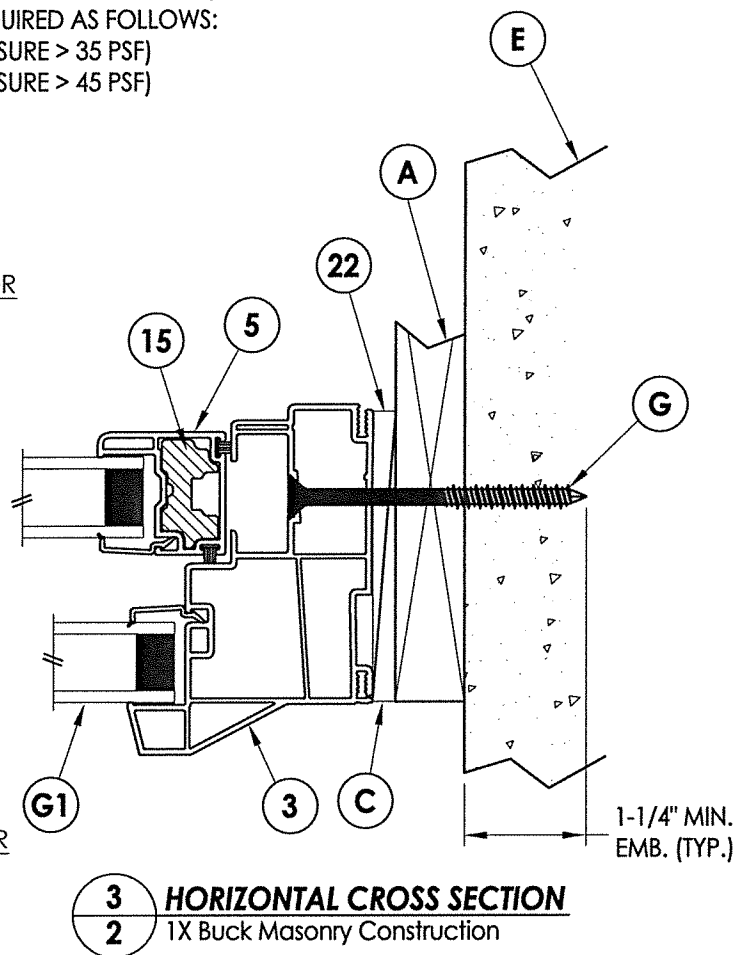
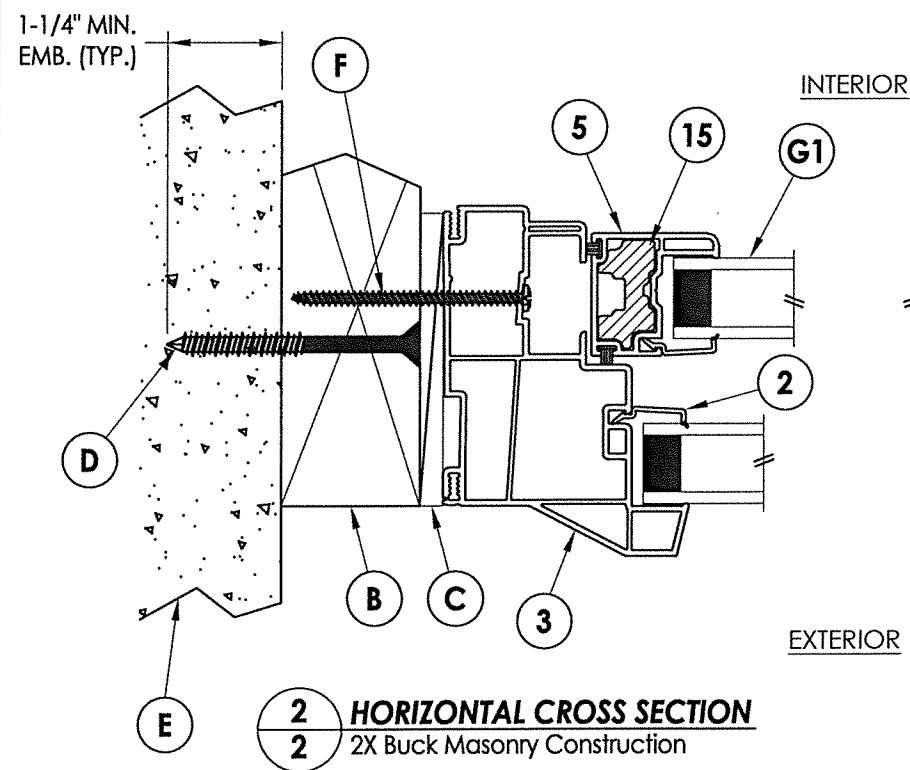


DATE: 9/05/19		PRODUCT: SINGLE HUNG WINDOW	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-26906.7			
SHEET 1 OF 5		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
1	7/23/20	UPDATE TO 7th ED (2020)	FBC
NO.	DATE		BY
		REVISIONS	

1. LOCK & KEEPER LOCATED 7" FROM EACH END OF LOCK/MEETING RAIL.
2. BOTTOM SASH REINFORCEMENT REQUIRED AS FOLLOWS:
 - 44" X 75" FRAME SIZE (DESIGN PRESSURE > 35 PSF)
 - 40" X 63" FRAME SIZE (DESIGN PRESSURE > 45 PSF)



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

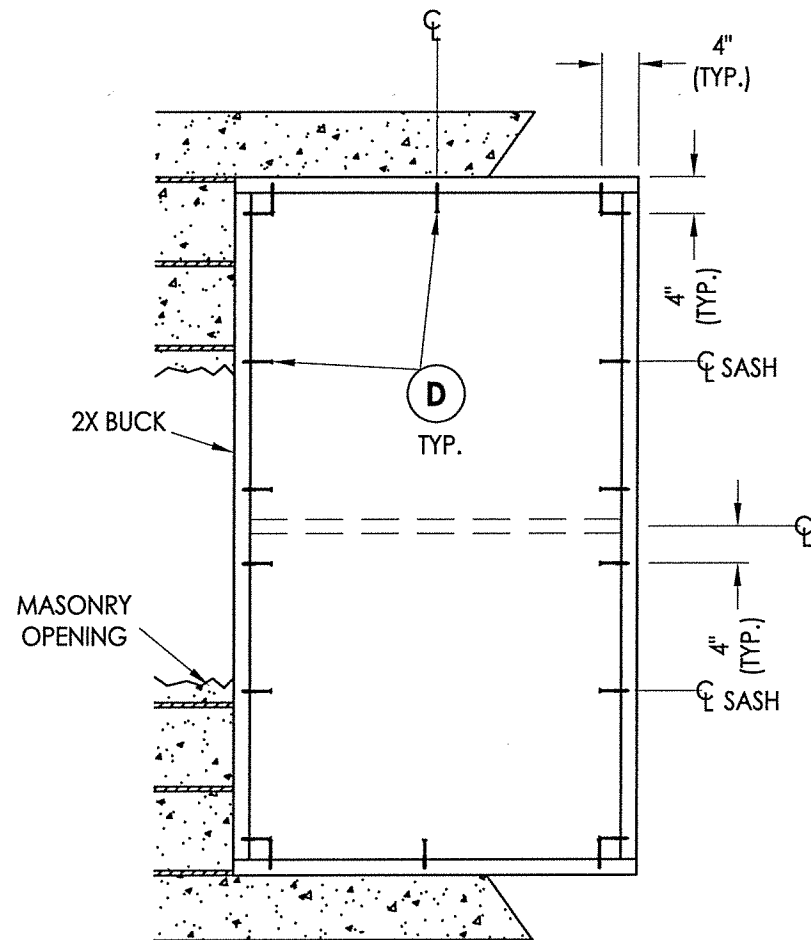


07/23/2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

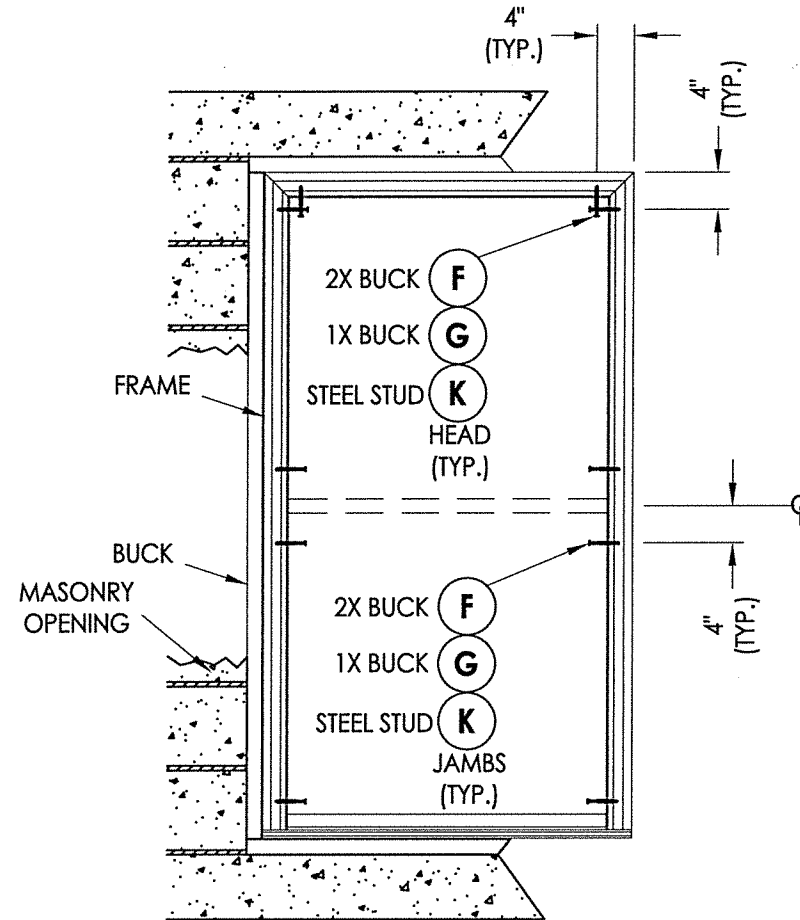
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

DATE: 9/05/19		PRODUCT: SINGLE HUNG WINDOW	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-26906.7		PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS	
SHEET 2 OF 5			

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BUCK ANCHORING



FRAME ANCHORING

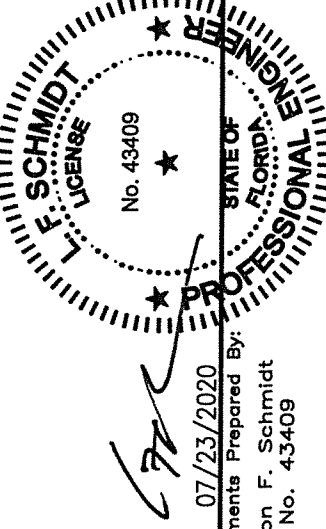
CONCRETE ANCHOR NOTES:

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:

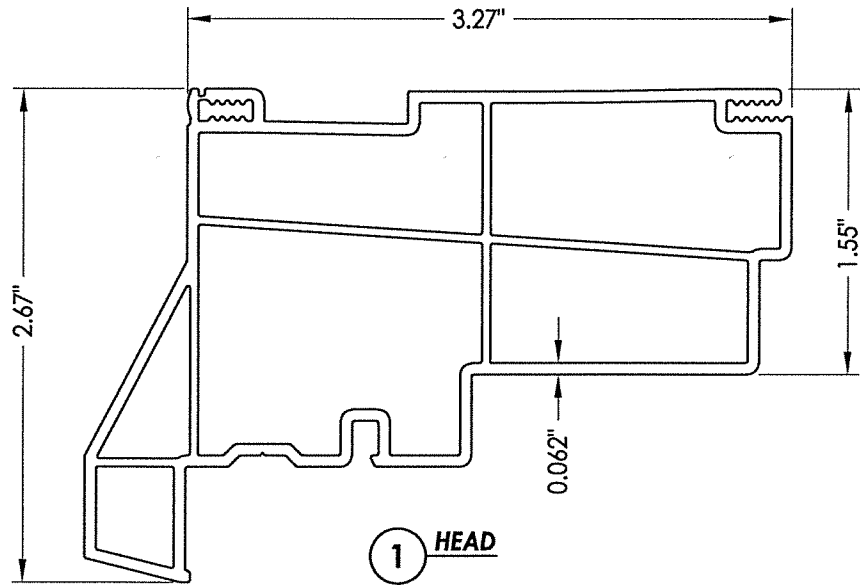
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

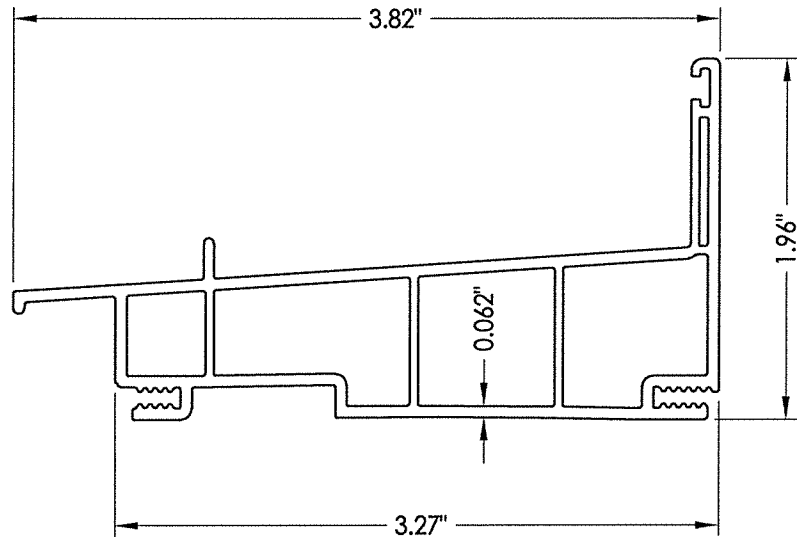
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

		07/23/2020 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: BUCK & FRAME ANCHORING			
		DATE: 9/05/19		SCALE: N.T.S.	
		DWG. BY: RW		CHK. BY: LFS	
		DRAWING NO.: FL-26906.7		SHEET 3 OF 5	
		REVISIONS			
		1 7/23/20 UPDATE TO 7th ED (2020) FBC		NO. DATE	
				BY	

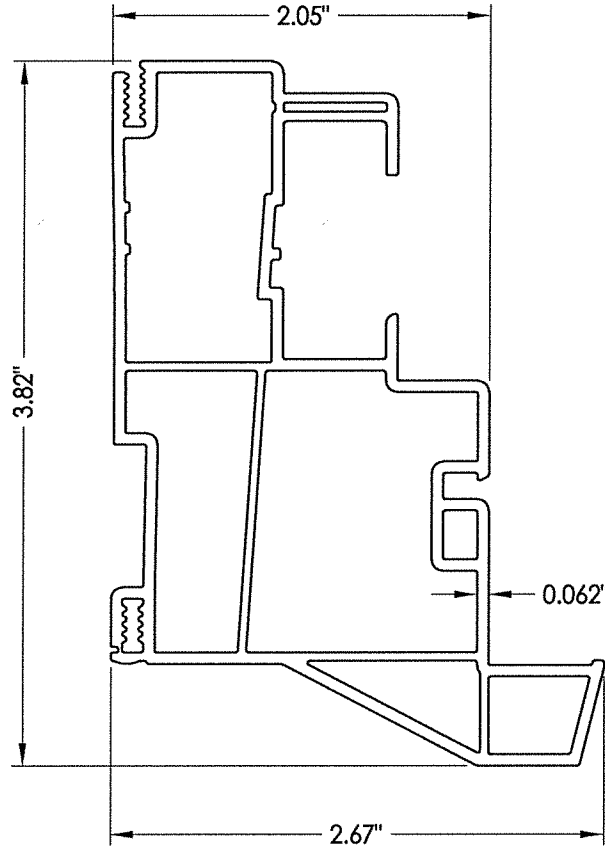
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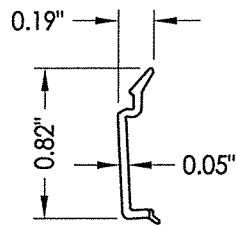
1 HEAD



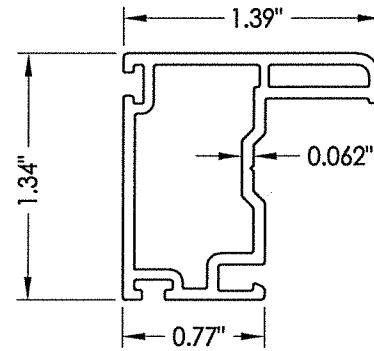
4 SILL



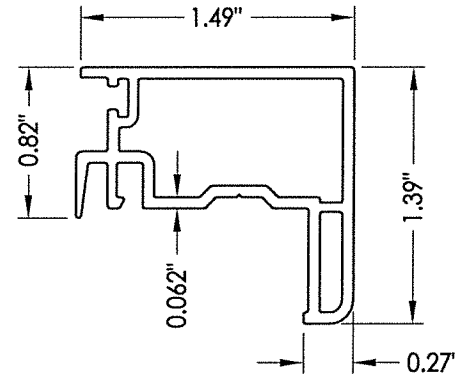
3 JAMB



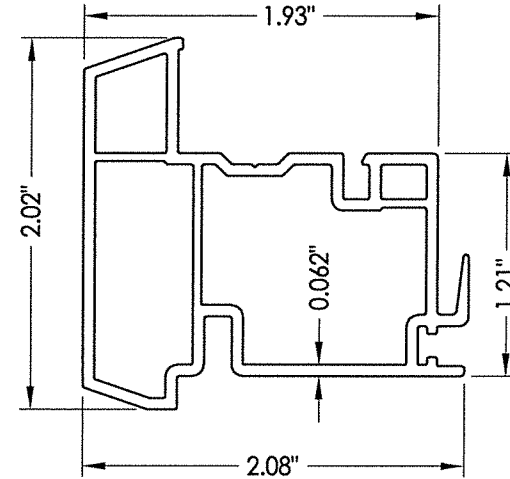
2 GLAZING BEAD



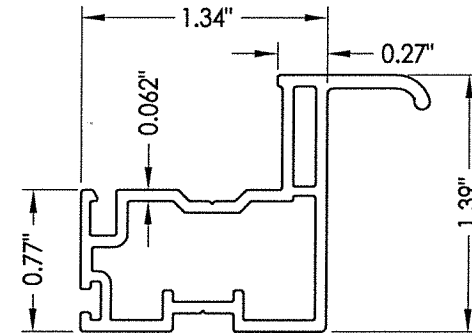
5 STILE



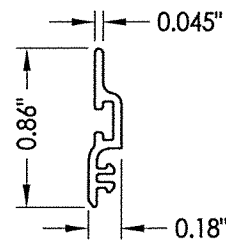
7 LOCK RAIL



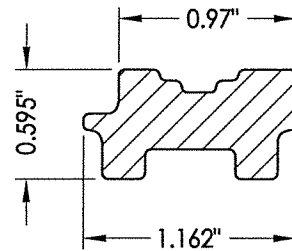
6 FIXED MEETING RAIL



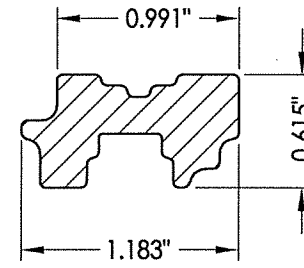
8 BOTTOM LIFT RAIL



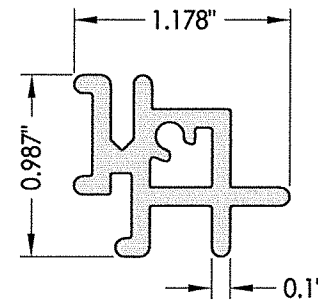
19 SILL RISER



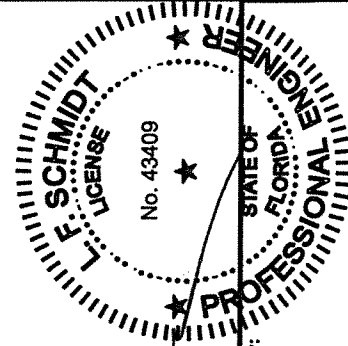
14 LOCK RAIL REINFORCEMENT



15 STILE/RAIL REINFORCEMENT



16 FIXED MEETING RAIL REINFORCEMENT



07/23/2020

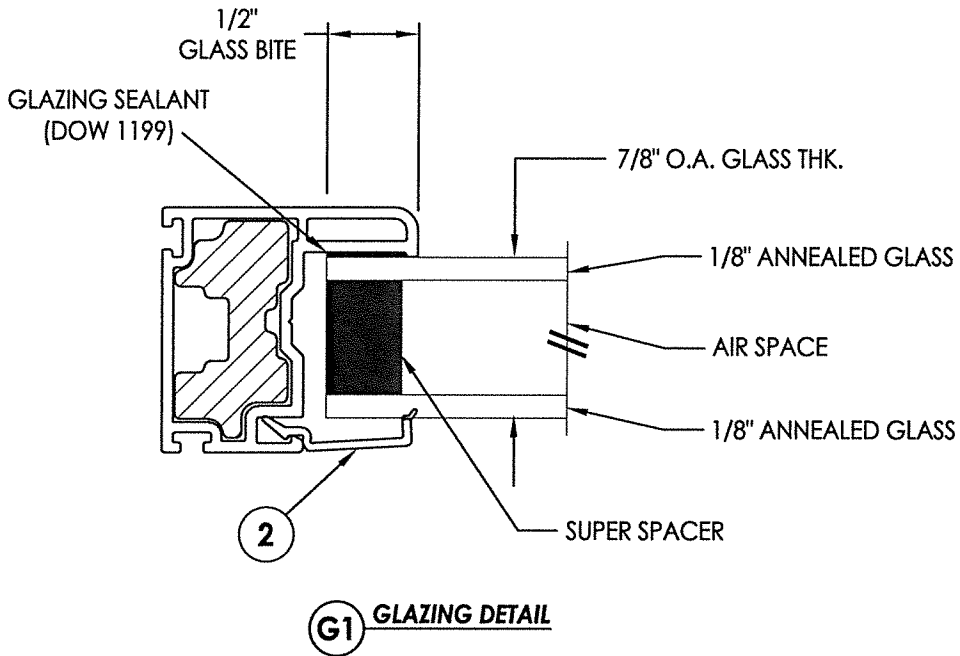
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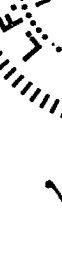
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		PART OR ASSEMBLY:	
SINGLE HUNG WINDOW		COMPONENTS	
NO.	DATE	BY	REVISIONS
1	7/23/20	DAC	UPDATE TO 7th ED (2020) FBC
		BY	
DATE: 9/05/19			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-26906.7			
SHEET 4 OF 5			

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	3/16" MAX. SHIM SPACE	-
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 2-1/2" PPH SMS (1-3/16" MIN. EMBEDMENT)	STEEL
G	1/4" X 3-1/4" PFH ELCO OR ITW CONCRETE SCREW	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	HEAD (781F)*	RIGID PVC
2	GLAZING BEAD (716A)*	RIGID PVC
3	JAMB (783F)*	RIGID PVC
4	SILL (782F)*	RIGID PVC
5	STILE (708)*	RIGID PVC
6	FIXED MEETING RAIL (777)*	RIGID PVC
7	LOCK RAIL (706)*	RIGID PVC
8	BOTTOM LIFT RAIL (705)*	RIGID PVC
11	SASH LOCK	-
12	KEEPER	-
14	LOCK RAIL REINFORCEMENT (948)	COMPOSITE
15	STILE/RAIL REINFORCEMENT (952)	COMPOSITE
16	FIXED MEETING RAIL REINFORCEMENT (739)	ALUM
19	SILL RISER (719)*	RIGID PVC
24	BULB GASKET (AMESBURY)	FOAM

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





L.F. SCHMIDT
FL LICENSE
No. 43409
★
STATE OF FLORIDA
★
PROFESSIONAL ENGINEER

07/23/2020

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

[Signature]

PRODUCT:
SINGLE HUNG WINDOW

PART OR ASSEMBLY:
BILL OF MATERIALS
AND GLAZING DETAILS

NO.	DATE	UPDATE TO 7th ED (2020)	FBC
1	7/23/20		

NO.	DATE	BY	REVISIONS

DATE: 9/05/19

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-26906.7

SHEET 5 **OF** 5

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