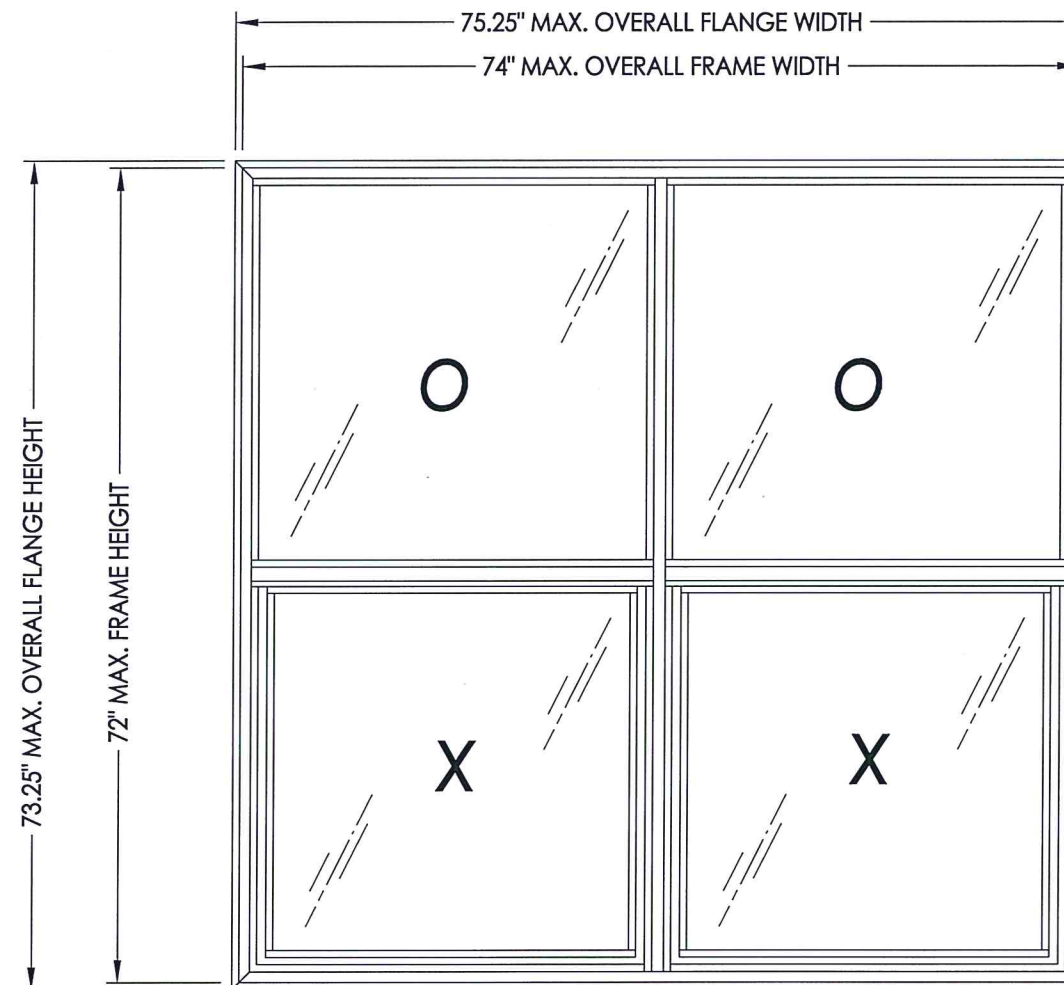


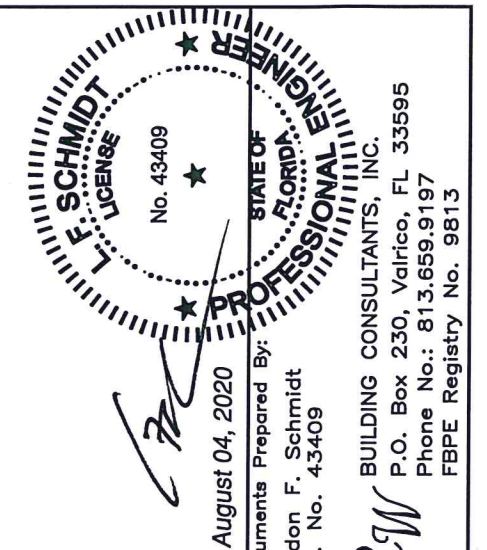


1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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.

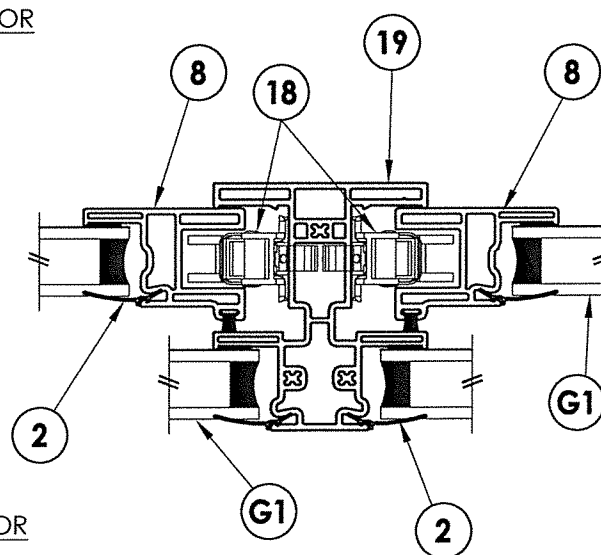
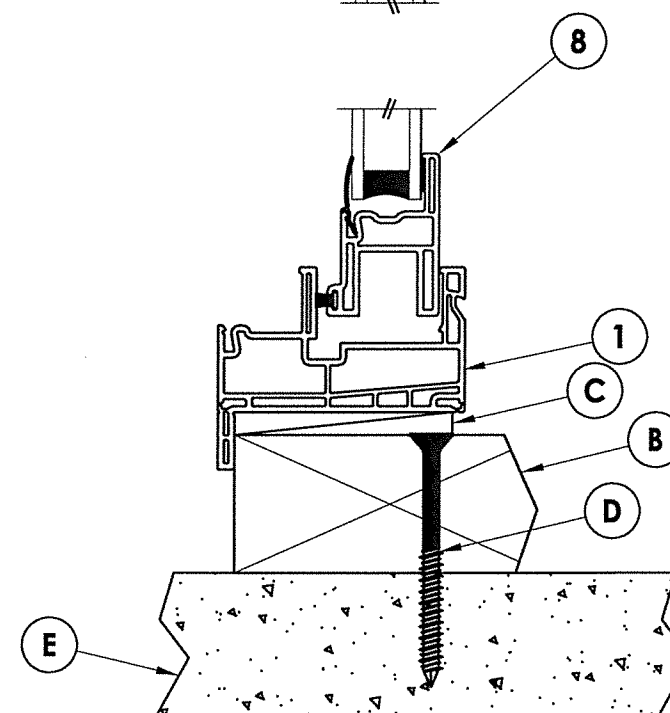
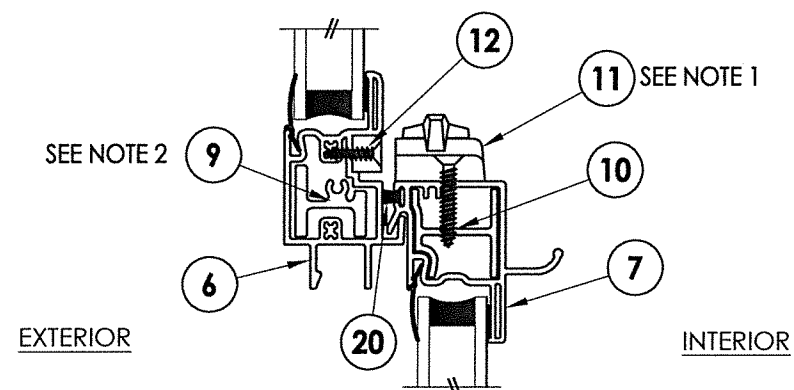
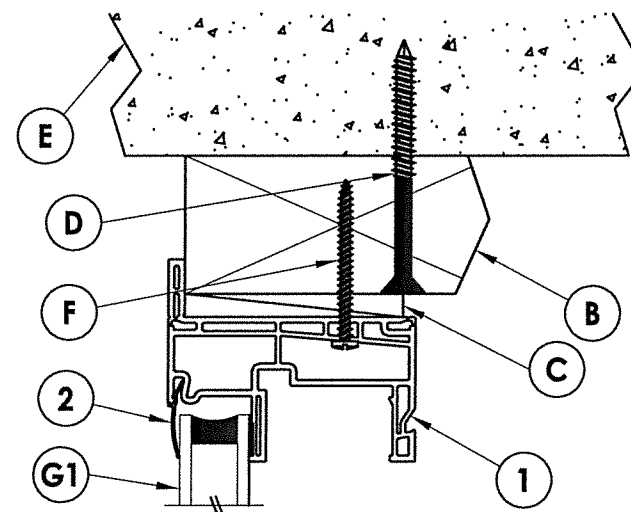
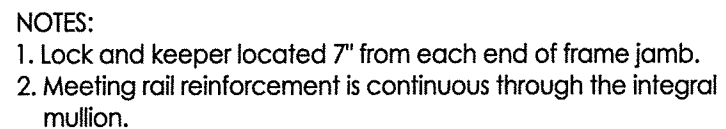
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck & frame anchoring
5	Bill of materials, glazing details and components



MAX. O.A. FLANGE DIMENSION	MAX. O.A. FRAME DIMENSION	MAX. SASH D.L.O. DIMENSION	MAX. FIXED D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
75.25" x 73.25"	74" X 72"	31.31" X 31.31"	34.19" X 33.06"	G1	+25.0	-25.0



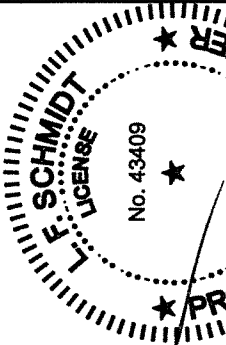
DATE: 6/13/16								PRODUCT:	
SCALE: N.T.S.								SINGLE HUNG WINDOW	
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-16854.14									
SHEET 1 OF 5									
		2		8/04/20		UPDATE TO 7TH ED. (2020)		FBC	
		1		10/08/17		UPDATE TO 6TH ED. (2017)		FBC	
		NO.		DATE				BY	
								REVISIONS	
								PART OR ASSEMBLY:	
								TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	



INTERIOR

EXTERIOR


August 04, 2020
Documents Prepared By:
Don F. Schmidt
No. 43409



 BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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

OR ASSEMBLY:
VERTICAL & HORIZONTAL
CROSS SECTIONS

2	8/04/20	UPDATE TO 7TH ED. (2020)	FBC	DAC
1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC	JK
NO.	DATE			BY
REVISIONS				

DATE: 6/13/16

SCALE: N.T.S.

DWG. BY: JK

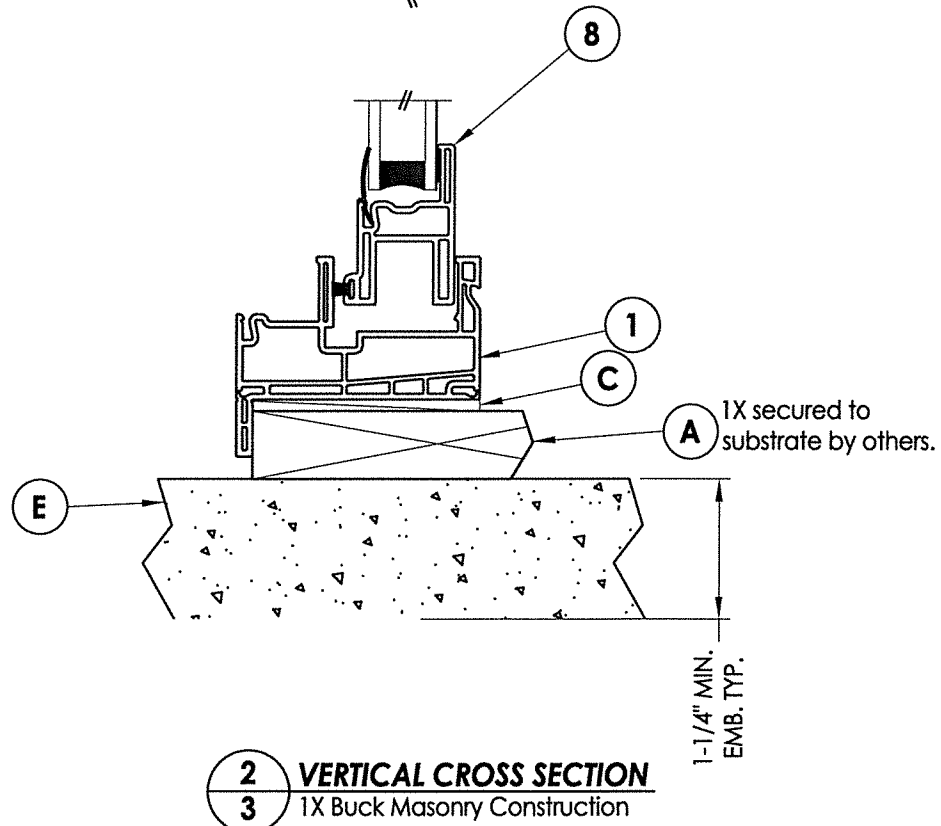
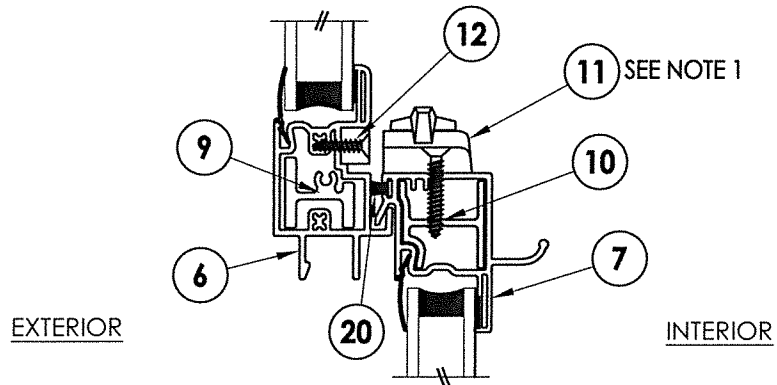
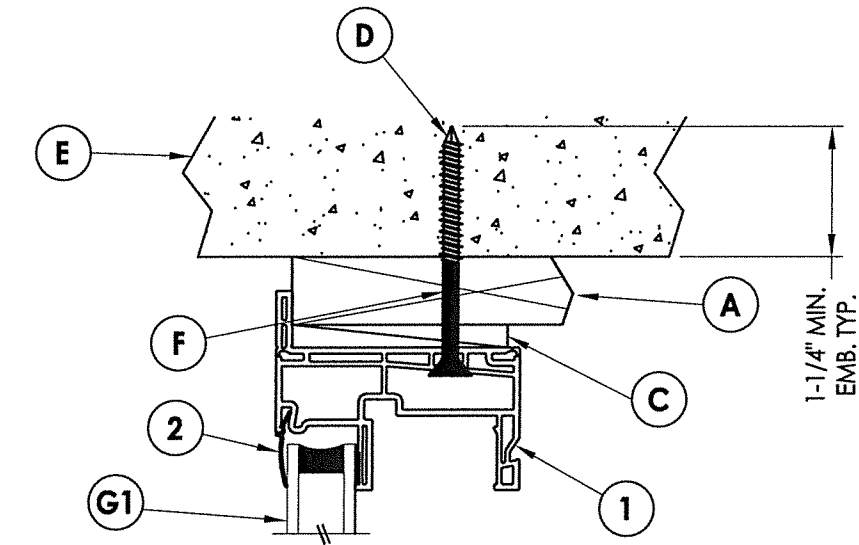
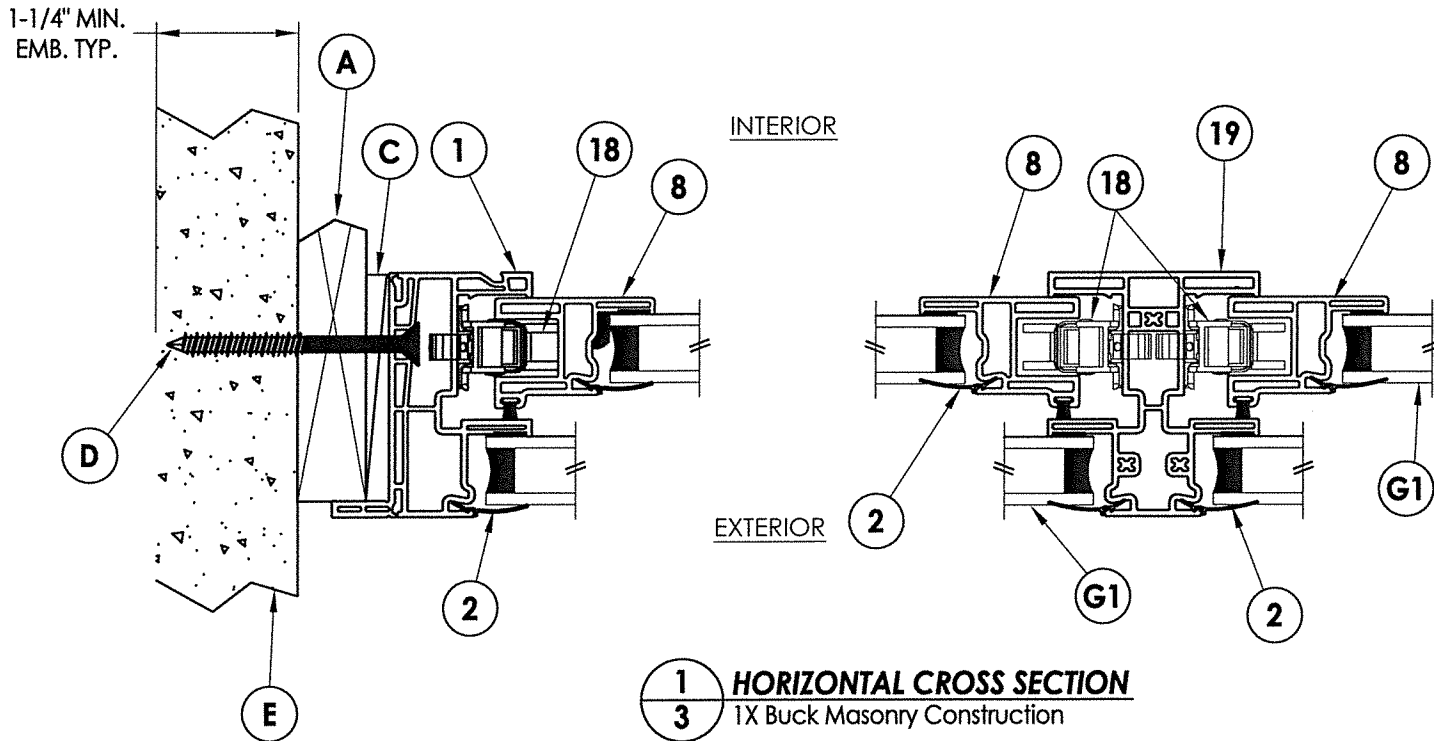
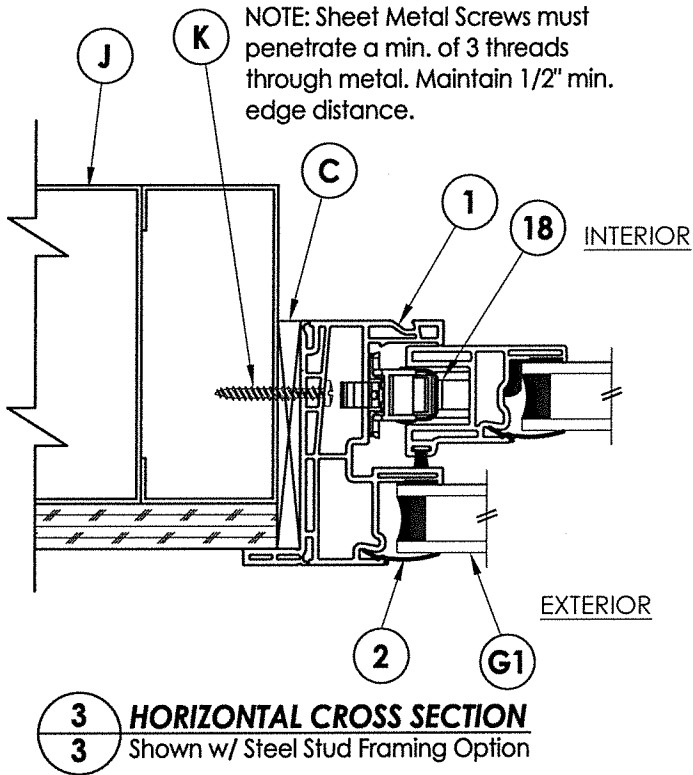
CHK. BY: LFS

DRAWING NO.:
FI-16854 14

SHEET 2 OF 5

\\dc01\rbwc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16854 Windows - Single Hung\c - Drawings\FL-16854 (2020)\FL-16854.14.dwg

- NOTES:
1. Lock and keeper located 7" from each end of frame jamb.
 2. Meeting rail reinforcement is continuous through the integral mullion.



FLORIDA PROFESSIONAL ENGINEER
L. E. SCHMIDT
No. 43409
August 04, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
SINGLE HUNG WINDOW

PART OR ASSEMBLY:
VERTICAL & HORIZONTAL CROSS SECTIONS

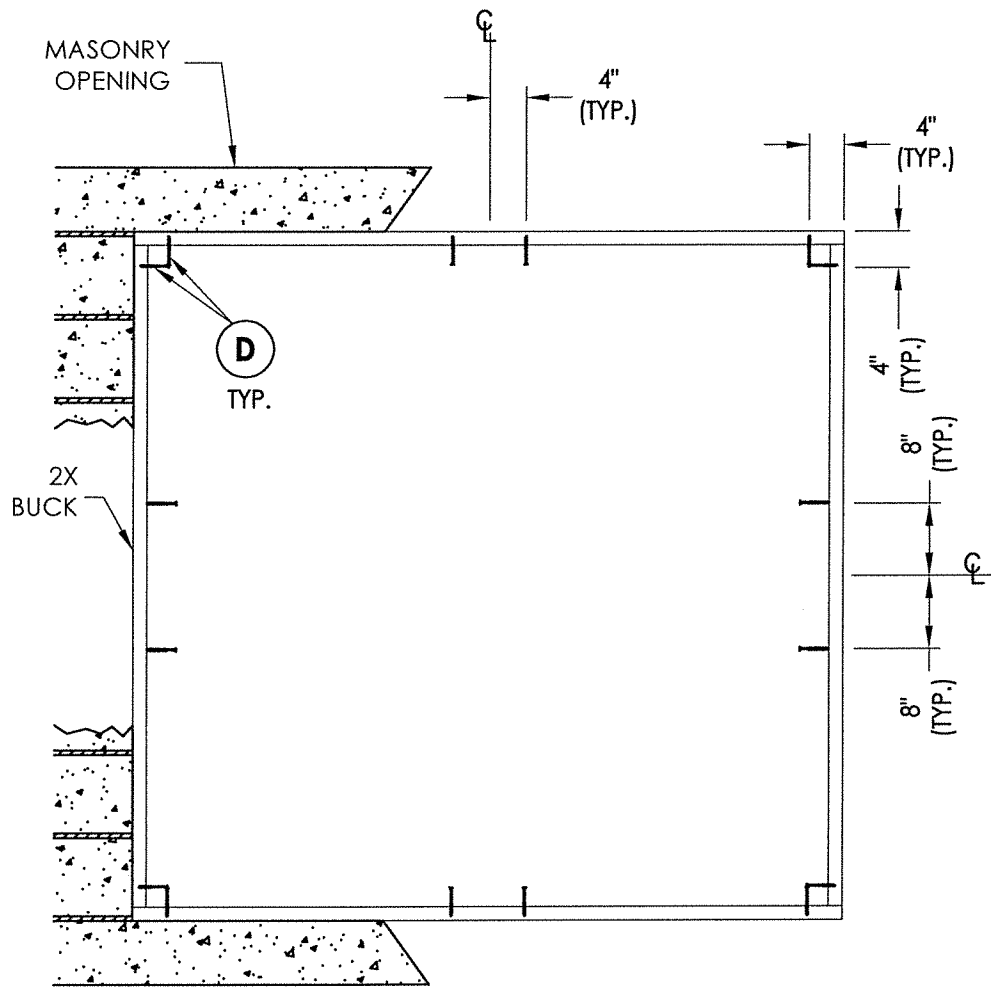
NO.	DATE	REVISIONS
2	8/04/20	UPDATE TO 7TH ED. (2020) FBC
1	10/08/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 6/13/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16854.14
SHEET 3 OF 5

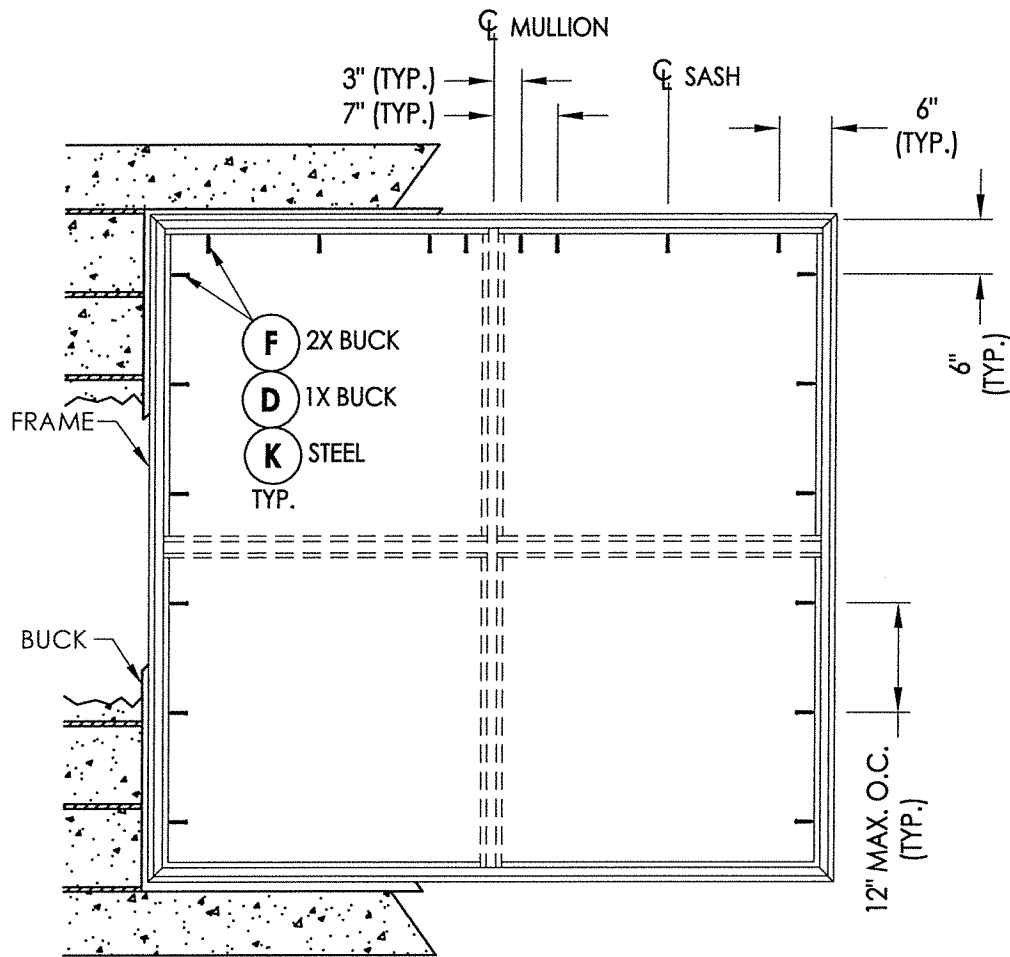
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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BUCK ANCHORING



FRAME ANCHORING

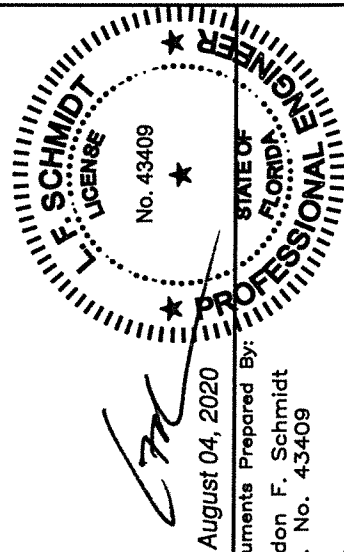
CONCRETE ANCHOR NOTES:

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"
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.



August 04, 2020

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Lyndon F. Schmidt
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RW 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

NO.	DATE	REVISIONS
2	8/04/20	UPDATE TO 7TH ED. (2020) FBC
1	10/08/17	UPDATE TO 6TH ED. (2017) FBC
1	10/08/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 6/13/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

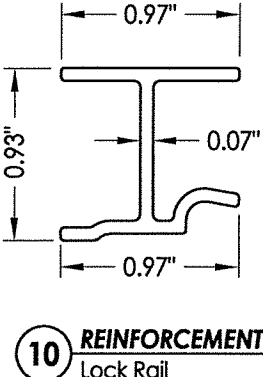
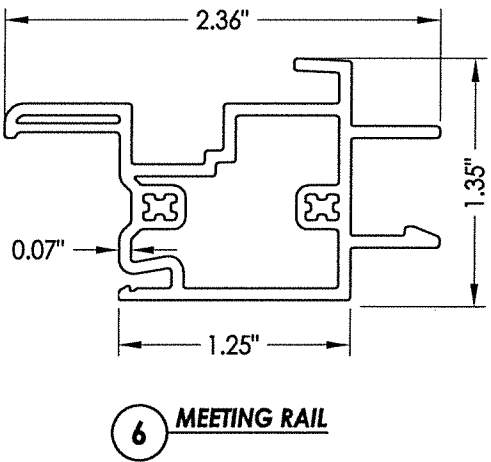
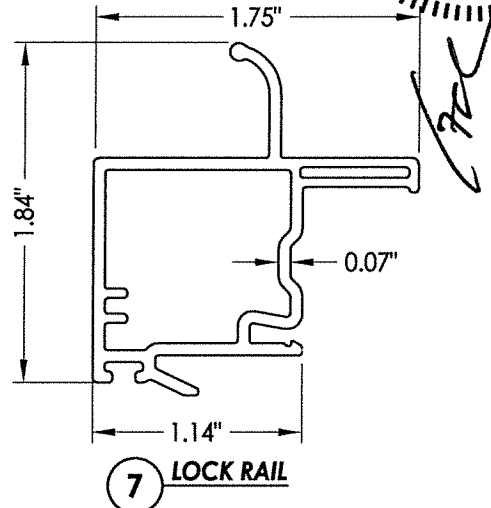
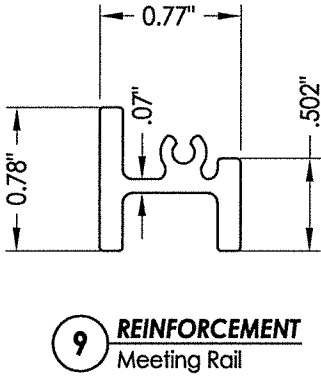
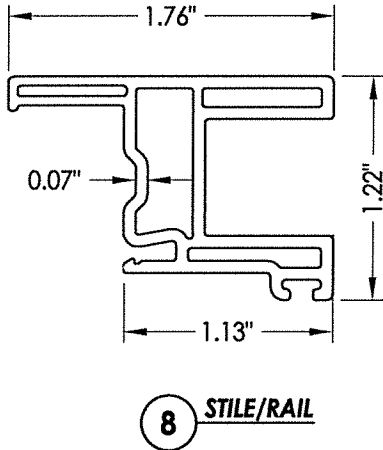
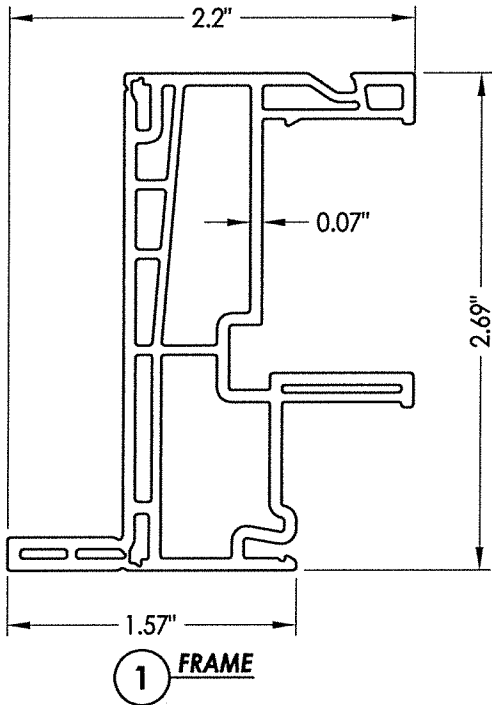
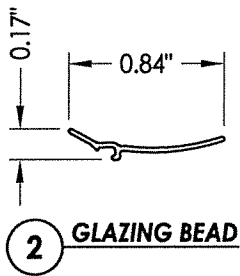
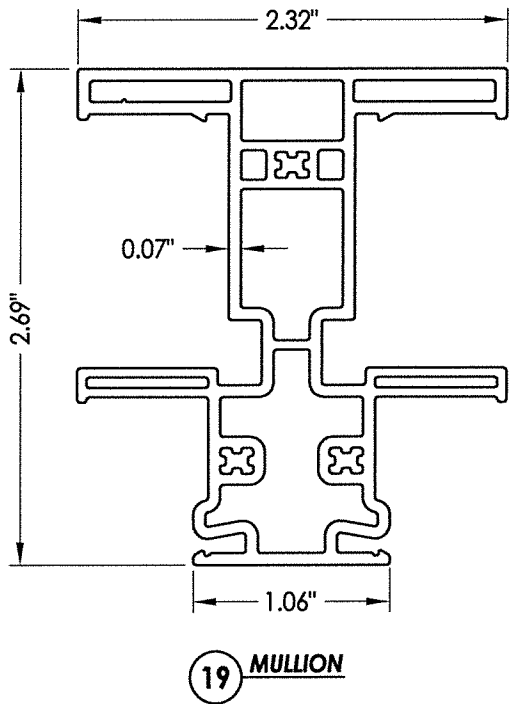
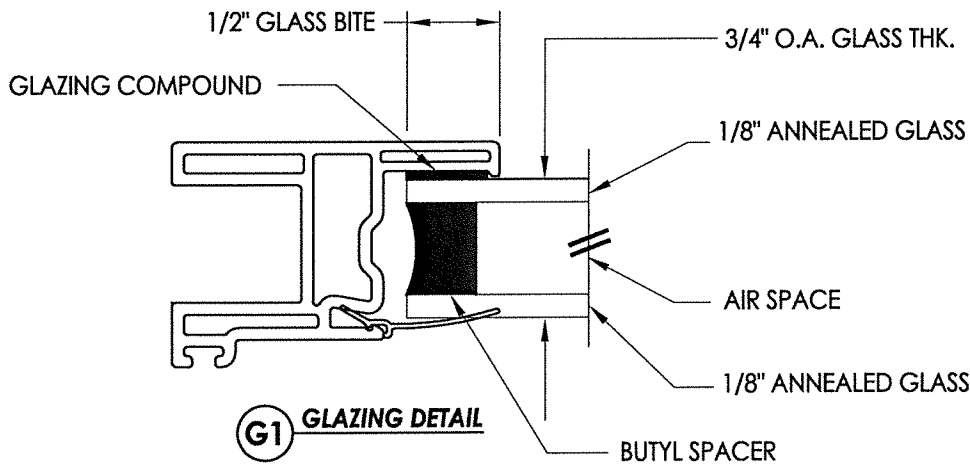
FL-16854.14

SHEET 4 OF 5

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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	-
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 1-3/4" PPH SMS (1-1/4" 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
1	FRAME *	RIGID PVC
2	GLAZING BEAD *	RIGID PVC
6	MEETING RAIL *	RIGID PVC
7	LOCK RAIL *	RIGID PVC
8	STILE/RAIL *	RIGID PVC
9	MEETING RAIL REINFORCEMENT (6005-T5 ALUM)	ALUM
10	LOCK RAIL REINFORCEMENT (6063-T6 ALUM)	ALUM
11	SASH LOCK	-
12	KEEPER	-
18	WINDOW BALANCE	-
19	MULLION *	RIGID PVC
20	WEATHERSTRIP (.187" X .290")	-

* 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

FL SCHMIDT LICENSE

No. 43409

STATE OF FLORIDA

August 04, 2020

Documents Prepared By:
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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:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS	
DATE:		6/13/16	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-16854.14	
SHEET		5 OF 5	
REVISIONS			
NO.	DATE	DESCRIPTION	BY
2	8/04/20	UPDATE TO 7TH ED. (2020)	DAC
1	10/08/17	UPDATE TO 6TH ED. (2017)	JK