



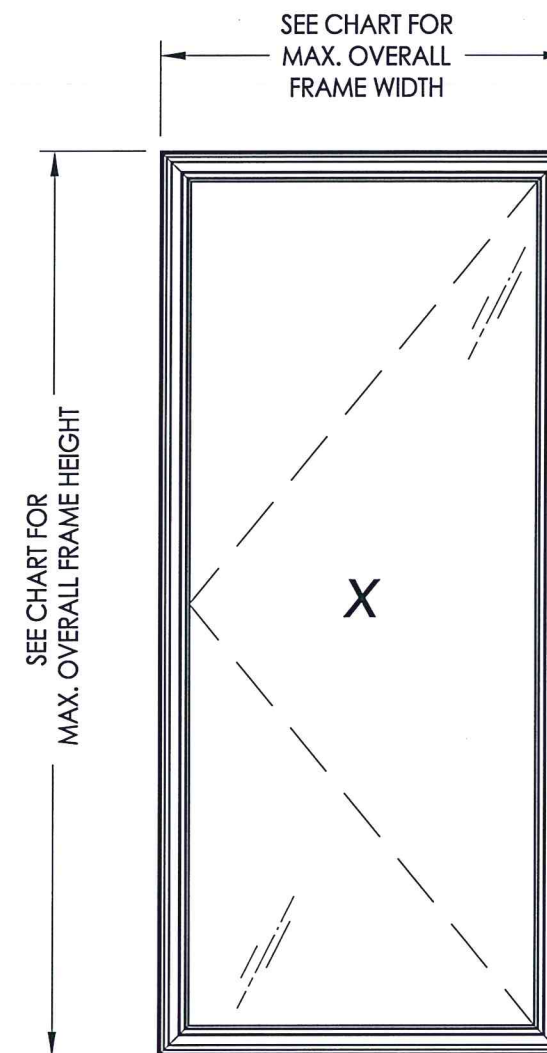
The Difference is Clear!™

**"Sunrise" Series
Casement Window
"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).
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.

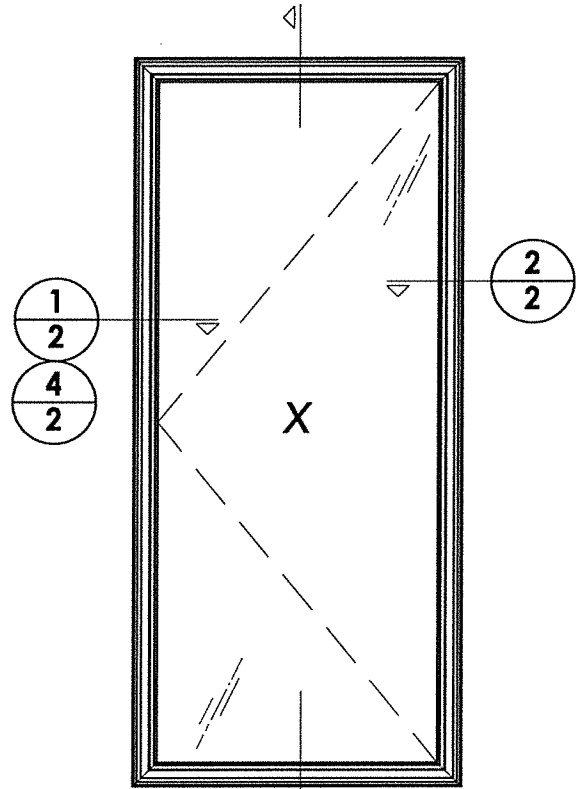
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Vertical & horizontal cross sections
3	Buck & frame anchoring
4	Bill of materials, glazing details and components



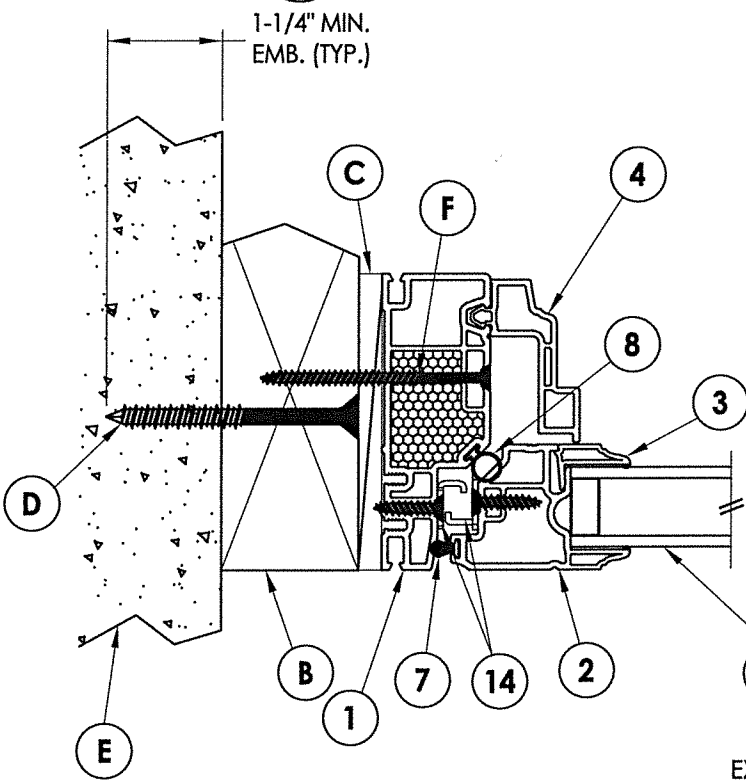
OVERALL FRAME DIMENSION	OVERALL DAY LIGHT DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POS.	NEG.
36.0" X 80.0"	30.5" X 74.5"	G1	+40.0	-40.0
36.0" X 72.0"	30.5" X 66.5"	G1	+45.0	-45.0
40.0" X 60.0"	34.5" X 54.5"	G1	+30.0	-30.0
32.0" X 60.0"	26.5" X 54.5"	G1	+50.0	-50.0
24.0" X 60.0"	18.5" X 54.5"	G1	+70.0	-70.0
44.0" X 45.0"	38.5" X 39.5"	G1	+40.0	-40.0

DATE: 12/14/19					
SCALE: N.T.S.					
DWG. BY: TRJ					
CHK. BY: LFS					
DRAWING NO.: FL-26907.8					
SHEET	1	OF	4		
2	7/27/20	UPDATE TO 7th ED (2020)	FBC	DAC	PART OR ASSEMBLY:
1	2/12/20	ADD FRAME SIZES (NEW TESTING)	LFS		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
NO.	DATE			BY	
				REVISIONS	
					CASEMENT WINDOW
PRODUCT:					
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409					
07/27/2020					
 <i>[Signature]</i>					
BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813					

\\dc01\wbc\Clients\Sunrise Windows\A - Florida Product Approvals\FL-26907 - Casement Window\C - Drawings\FL 26907 (2020)\FL-26907.8.dwg

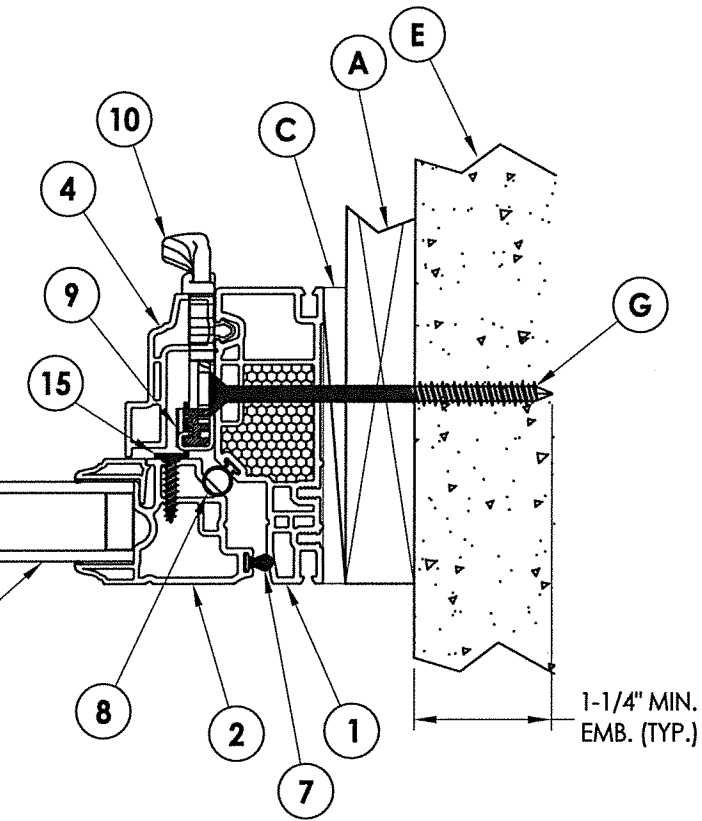


3
2

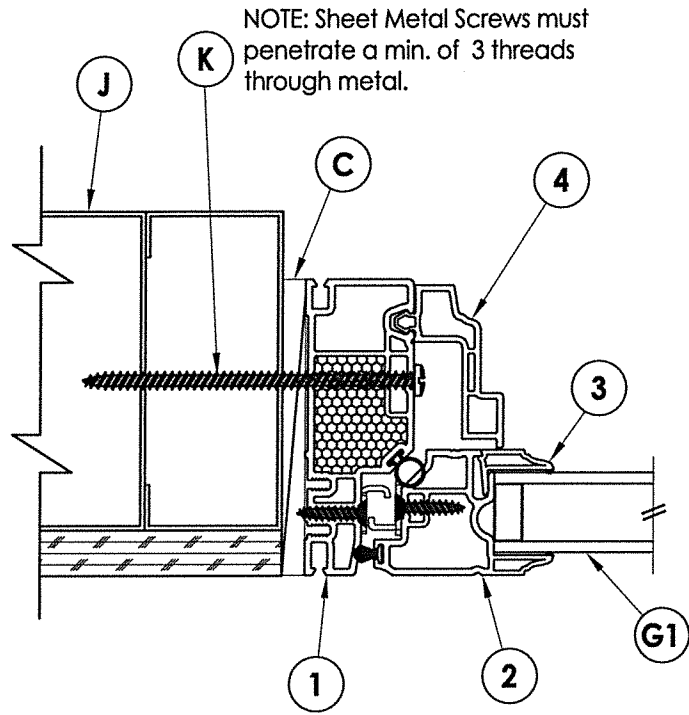


1
2 **HORIZONTAL CROSS SECTION**
2X Buck Masonry Construction

EXTERIOR

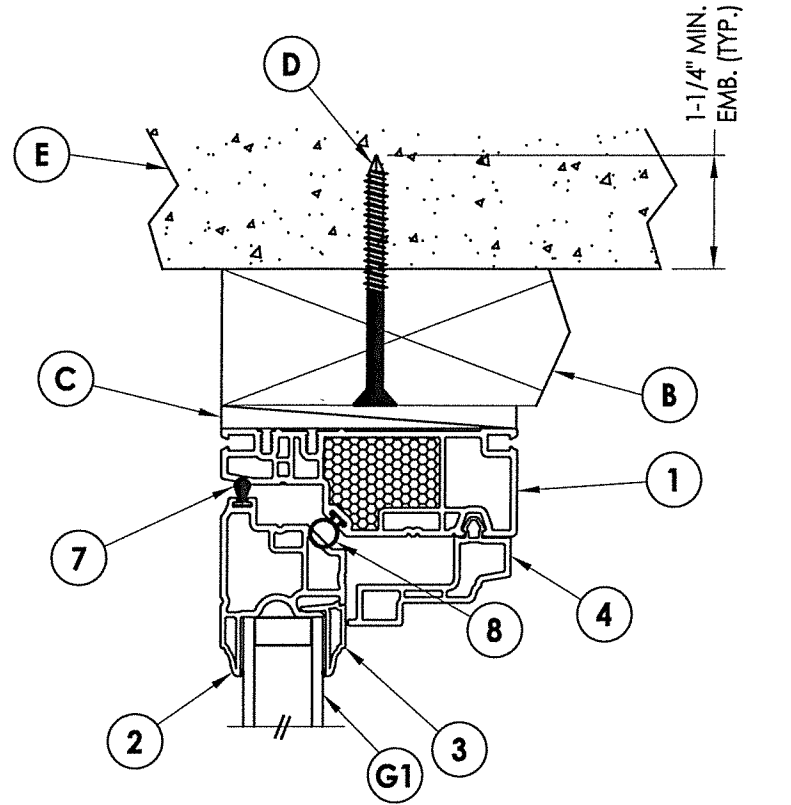


2
2 **HORIZONTAL CROSS SECTION**
1X Buck Masonry Construction



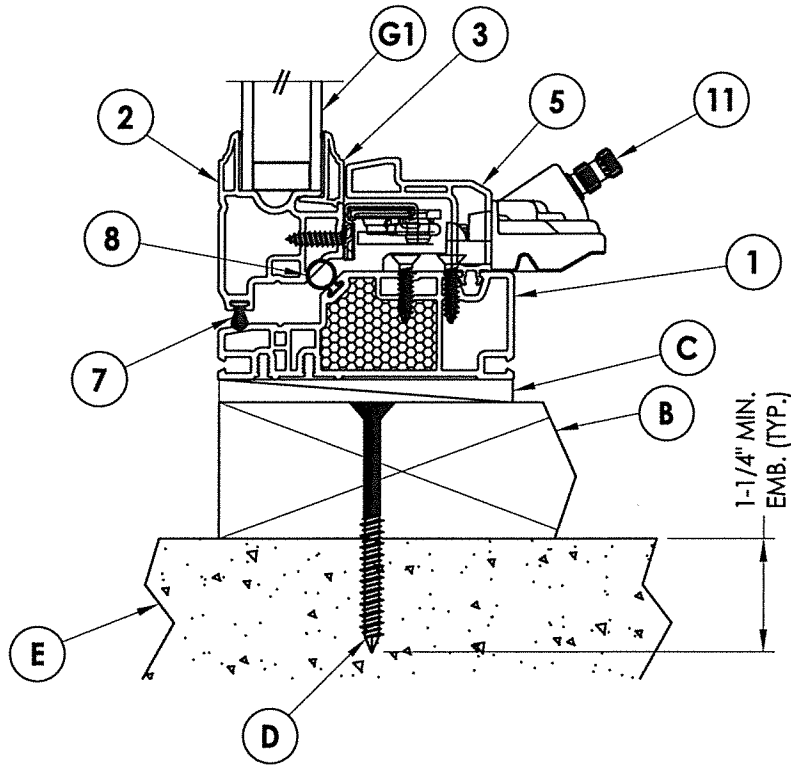
4
2 **HORIZONTAL CROSS SECTION**
Metal Stud Construction

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

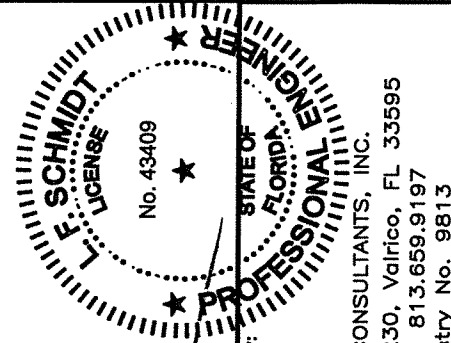


EXTERIOR

INTERIOR



3
2 **VERTICAL CROSS SECTION**
2X Buck Masonry Construction

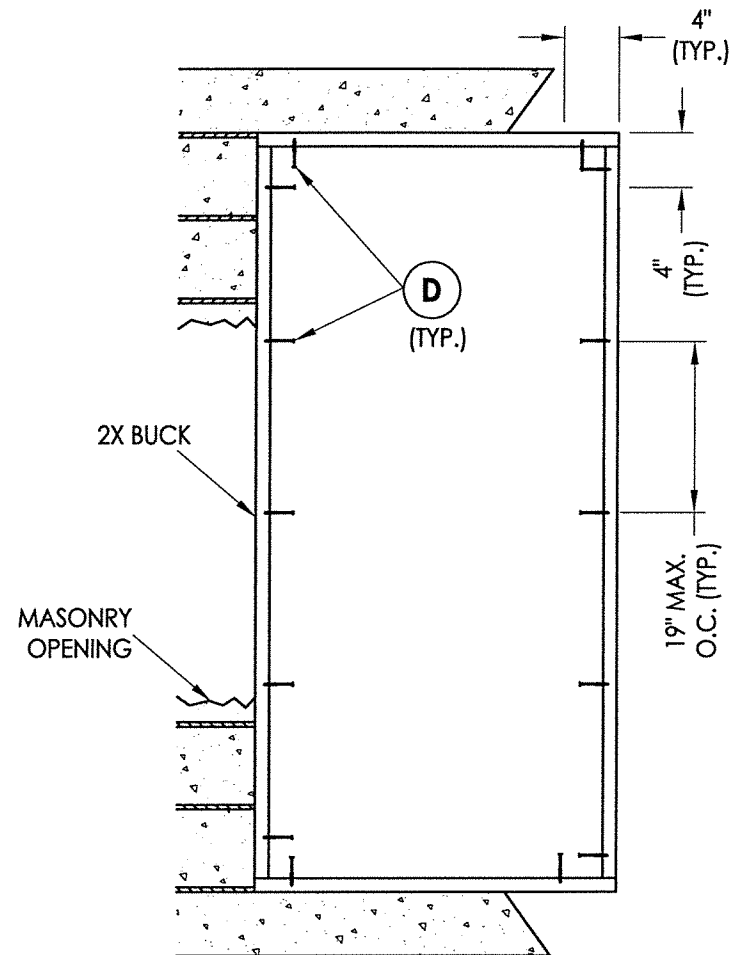


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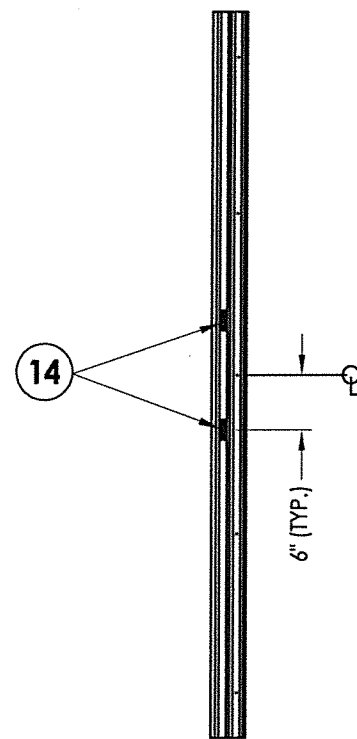
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BUILDING CONSULTANTS, INC.
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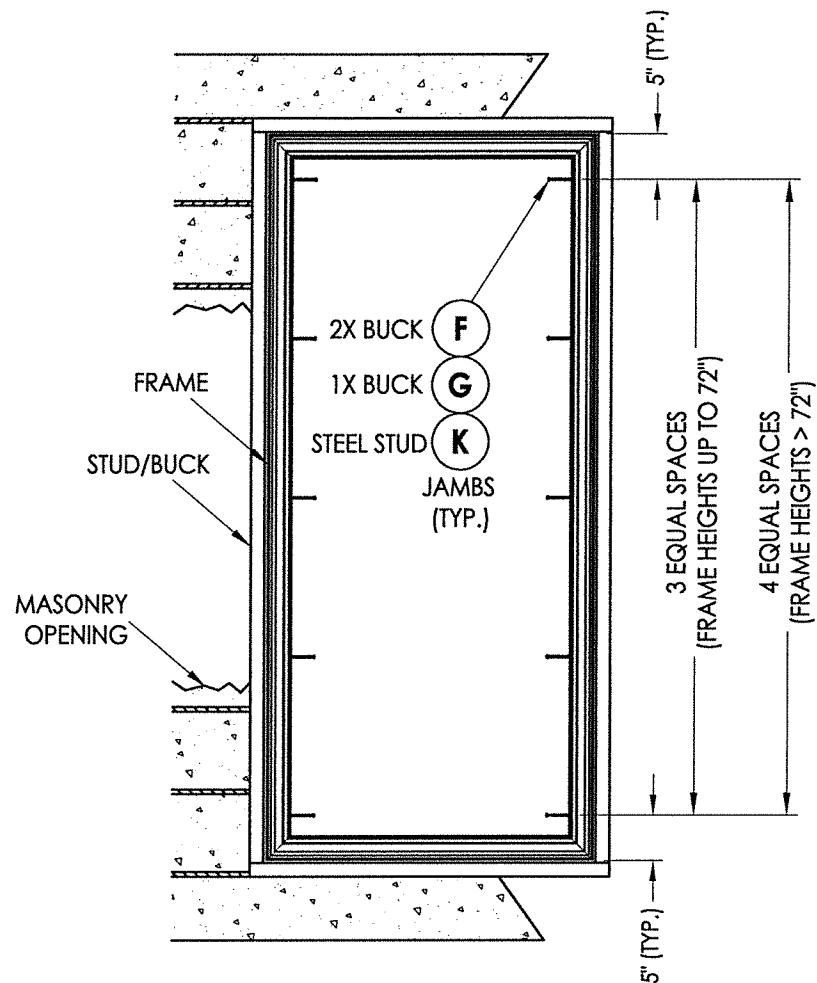
PRODUCT:		CASEMENT WINDOW	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
2	7/27/20	DAC	UPDATE TO 7th ED (2020) FBC
1	2/12/20	LFS	ADD FRAME SIZES (NEW TESTING)
1	12/14/19	TRJ	DATE
DATE: 12/14/19			
SCALE: N.T.S.			
DWG. BY: TRJ			
CHK. BY: LFS			
DRAWING NO.: FL-26907.8			
SHEET 2 OF 4			



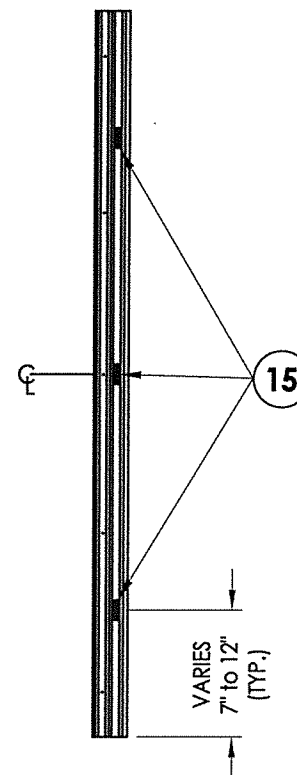
2X BUCK ANCHORING
Single unit



JAMB
Snubber Locations (2)



FRAME ANCHORING



LOCK JAMB
Lock/Keeper Locations (3)

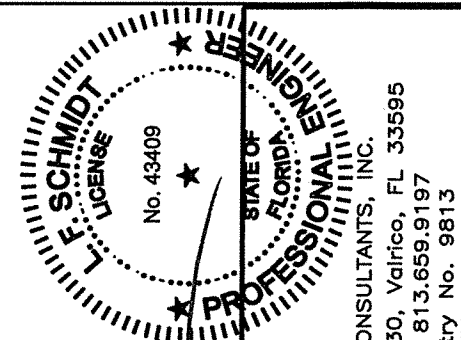
CONCRETE ANCHOR NOTES:

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.



07/27/2020

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PRODUCT: CASEMENT WINDOW

ASSEMBLY:
BUCK & FRAME
ANCHORING

[illegible]

DATE: 12/14/19

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

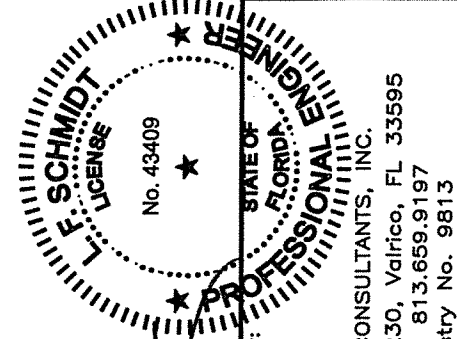
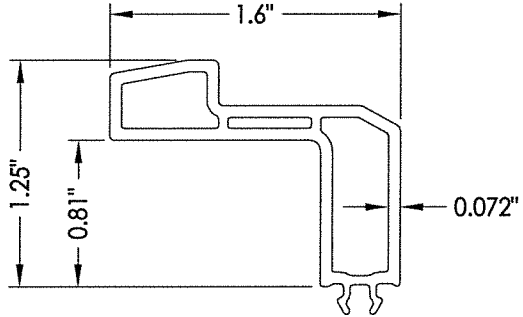
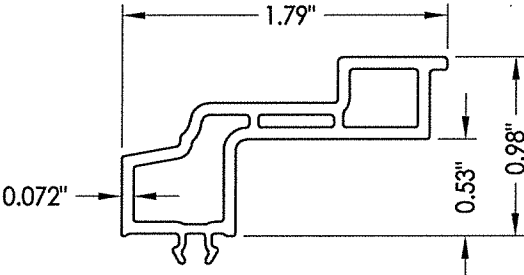
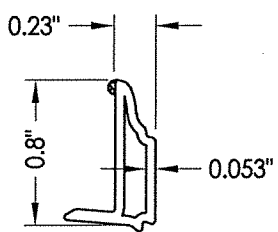
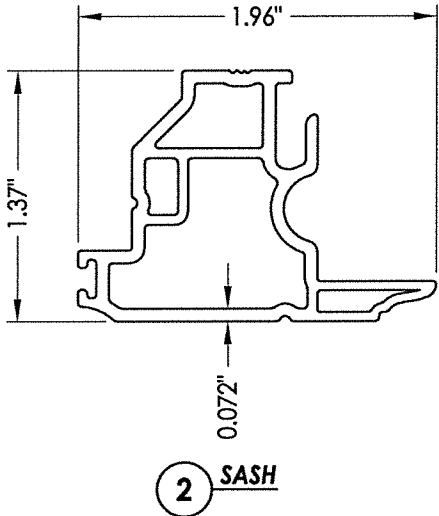
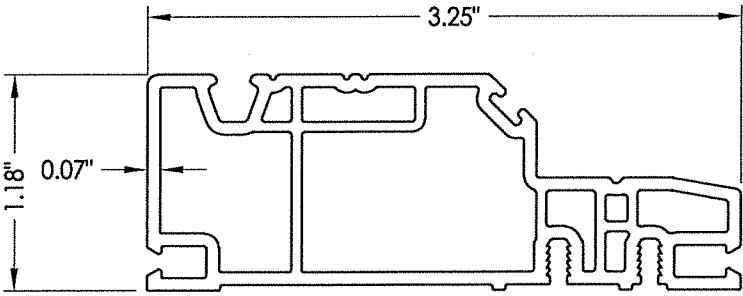
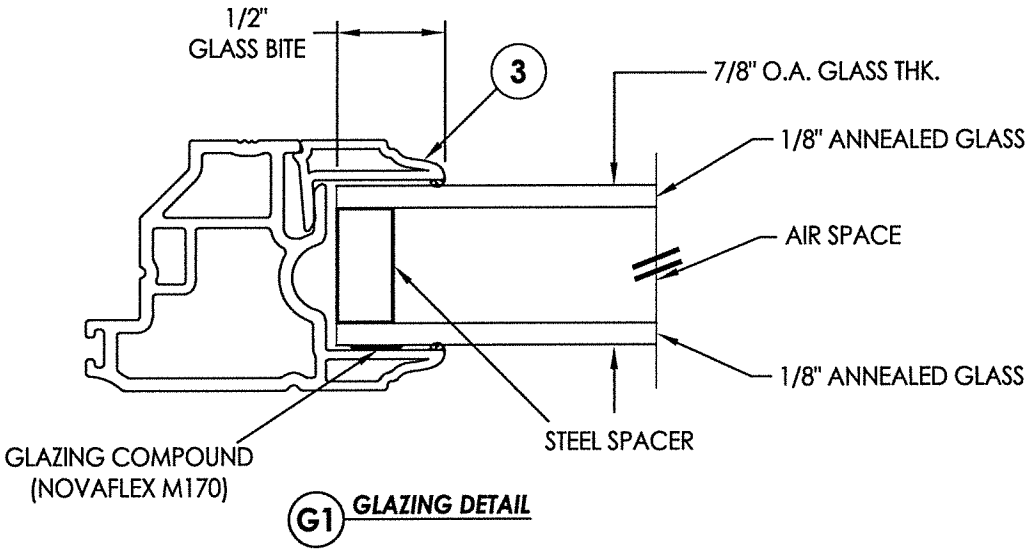
DRAWING NO.:
FL-26907.8

SHEET 3 OF 4

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X STUD (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 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" PH or FH SMS (1-1/16" MIN. EMBEDMENT)	STEEL
G	1/4" X 3-3/4" 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	EXTRUDED VINYL FRAME *	RIGID PVC
2	EXTRUDED VINYL SASH*	RIGID PVC
3	EXTRUDED VINYL GLAZING BEAD*	RIGID PVC
4	EXTRUDED VINYL FRAME CAP* (HEAD & JAMB)	RIGID PVC
5	EXTRUDED VINYL FRAME CAP* (SILL)	RIGID PVC
7	BULB WEATHERSTRIP	STEEL
8	BULB WEATHERSTRIP	STEEL
9	TIE BAR ASSEMBLY	STEEL
10	LOCK ASSEMBLY	-
11	SINGLE ARM OPERATOR	-
14	SNUBBER	STEEL
15	KEEPER	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".



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PRODUCT:		CASEMENT WINDOW	
PART OR ASSEMBLY:		BILL OF MATERIALS, GLAZING DETAIL & COMPONENTS	
NO.	DATE	BY	REVISIONS
2	7/27/20	DAC	UPDATE TO 7th ED (2020)
1	2/12/20	LFS	ADD FRAME SIZES (NEW TESTING)
DATE: 12/14/19			
SCALE: N.T.S.			
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SHEET 4 OF 4			