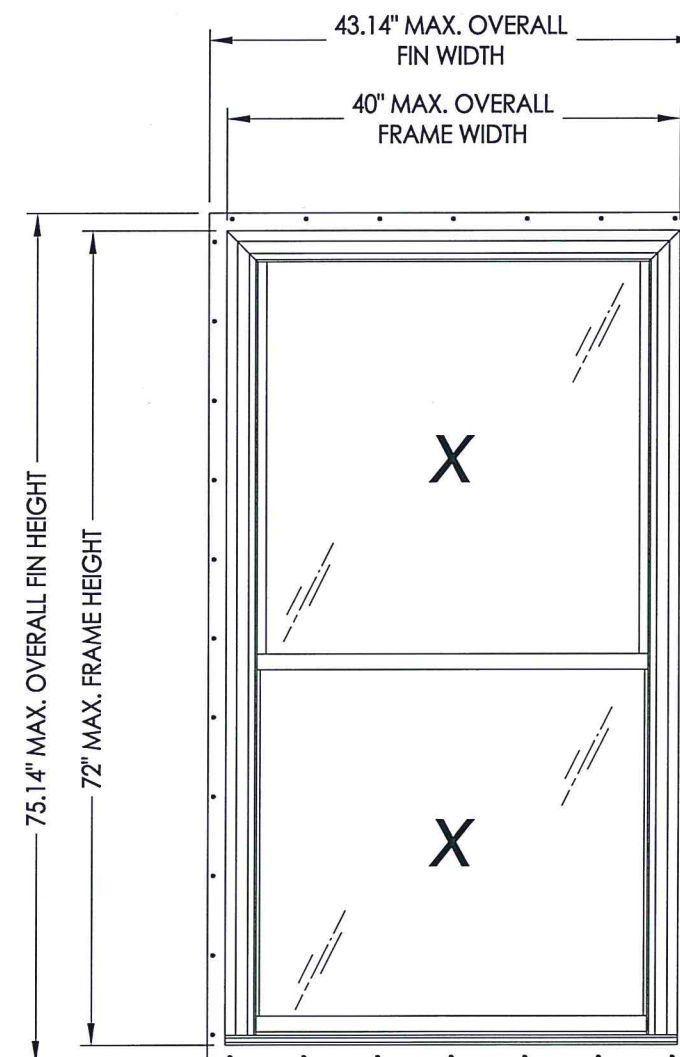


**COASTAL
PERFORMANCE™**
by Sunrise Windows, LTD.

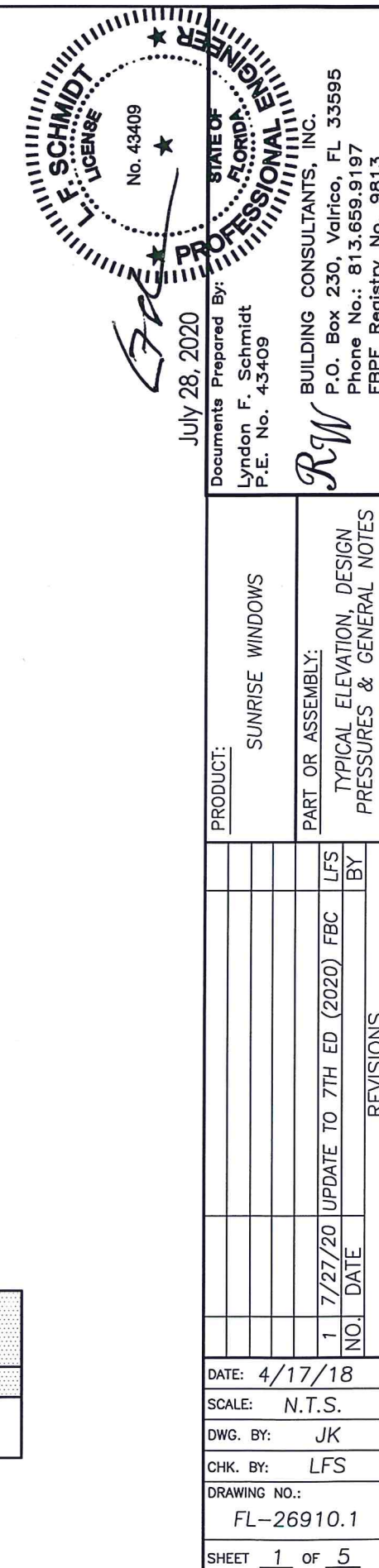
**Coastal Performance
Double Hung Window
w/ Nailing Fin
"IMPACT"**

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 includes Wind Zone 3 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4. 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	Components
5	Bill of materials, components & glazing details



MAX. OVERALL FIN DIMENSION	MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POS.	NEG.
43.14" X 75.14"	40.0" X 72.0"	34.0" x 32.38"	G1	+50.0	-50.0



INTERIOR

SEE NOTE 2

EXTERIOR

SEE NOTE 1

must
ads

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

Diagram illustrating the horizontal cross section of a 2X Stud Construction. The diagram shows a cross-section of a wall assembly with various components labeled with circled numbers and letters:

- SEE NOTE 2**: Points to the upper portion of the wall assembly.
- C**: Points to the upper portion of the wall assembly.
- 20**: Points to a component in the upper portion of the wall assembly.
- 15**: Points to a component in the upper portion of the wall assembly.
- 5**: Points to a component in the upper portion of the wall assembly.
- H**: Points to a component in the lower portion of the wall assembly.
- 25**: Points to a component in the lower portion of the wall assembly.
- SEE NOTE 1**: Points to a component in the lower portion of the wall assembly.
- 3**: Points to a component in the lower portion of the wall assembly.
- 15**: Points to a component in the lower portion of the wall assembly.
- G1**: Points to a component in the lower portion of the wall assembly.

3 **HORIZONTAL CROSS SECTION**
2 **2X Stud Construction**

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

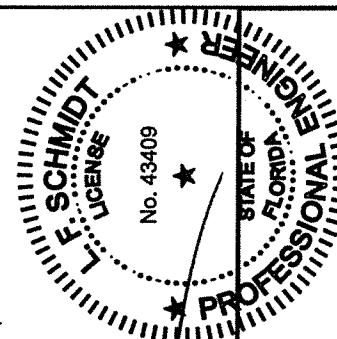
SEE NOTE 3

EXTERIOR

INTERIOR

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

1 VERTICAL CROSS SECTION
2 2X Buck Masonry Construction

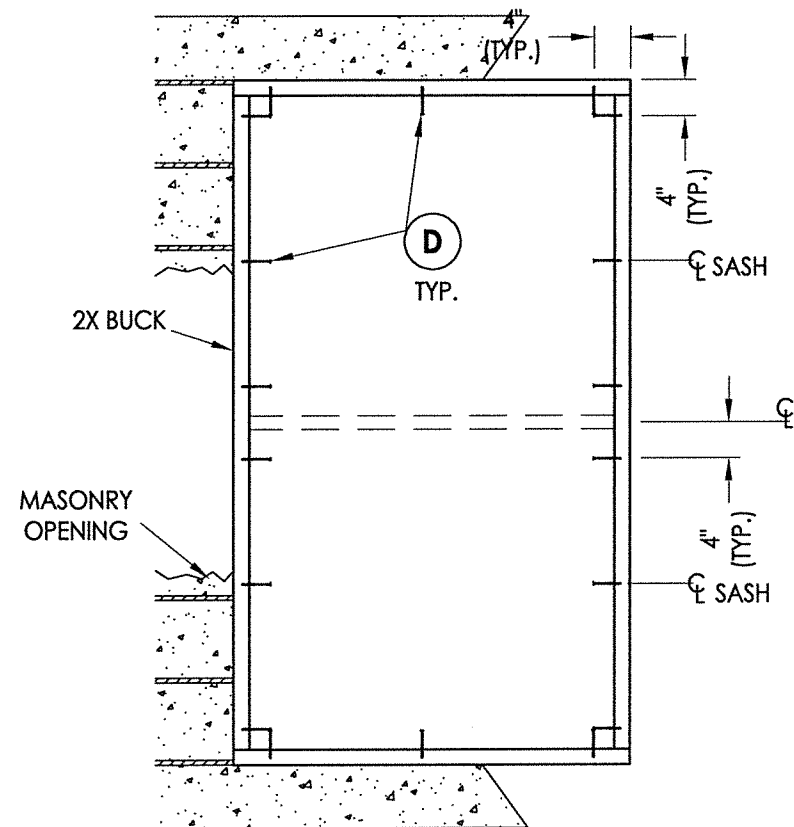


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

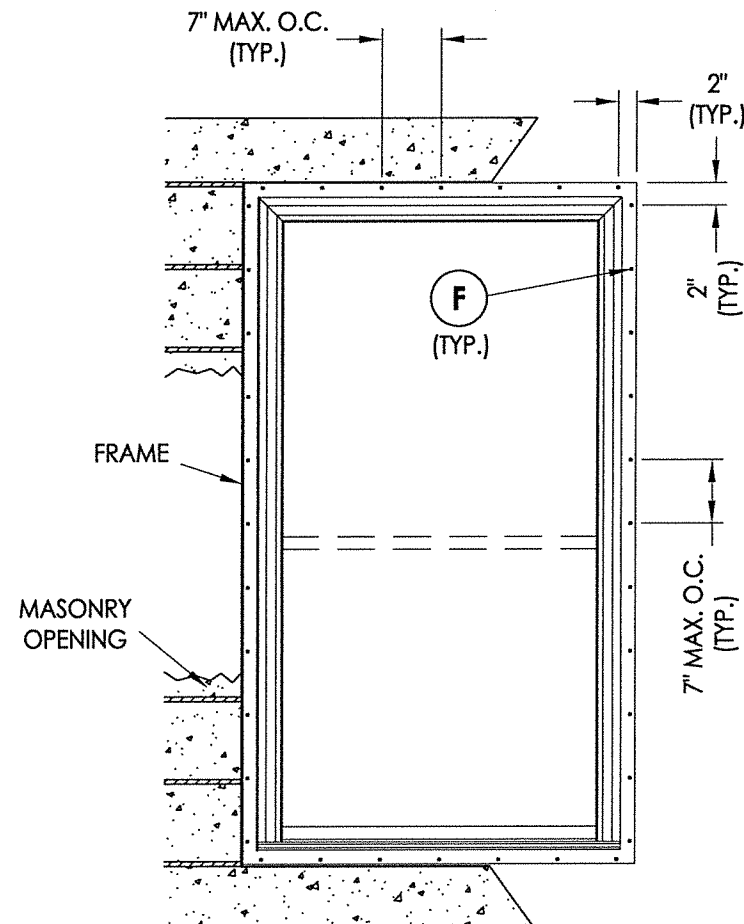
BUILDING CONSULTANTS, INC.

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

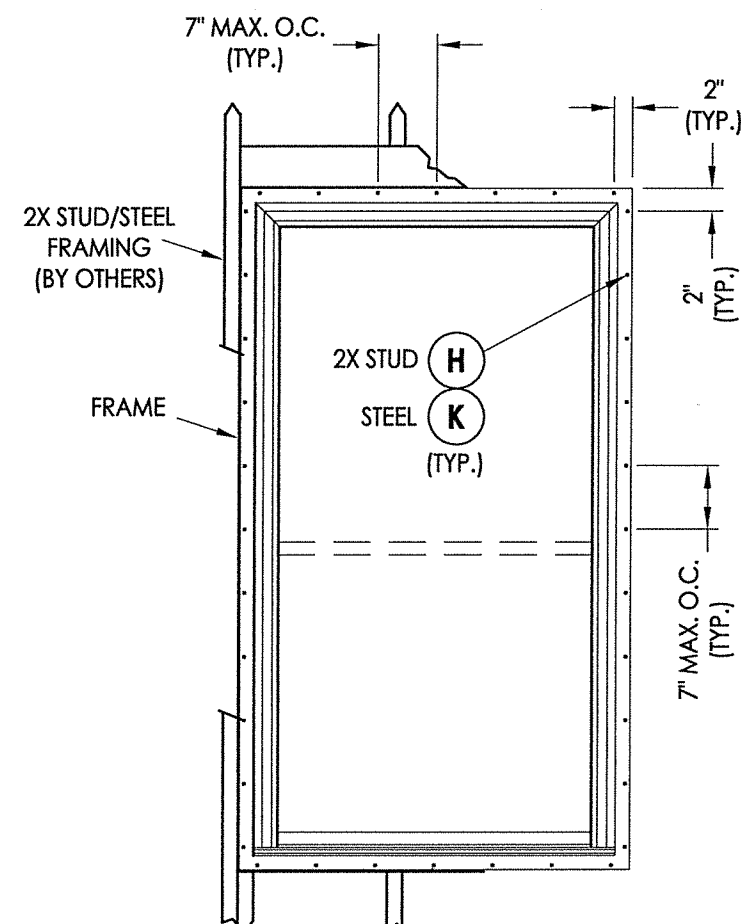
DATE: 4/17/18		PRODUCT: SUNRISE WINDOWS		PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS	
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-26910.1					
SHEET 2 OF 5		REVISIONS			
NO.	DATE	UPDATE TO	7TH ED (2020)	FBC	LFS
1	7/27/20				BY



BUCK ANCHORING



FRAME ANCHORING
2X Buck Masonry
Construction



FRAME ANCHORING Stud Construction

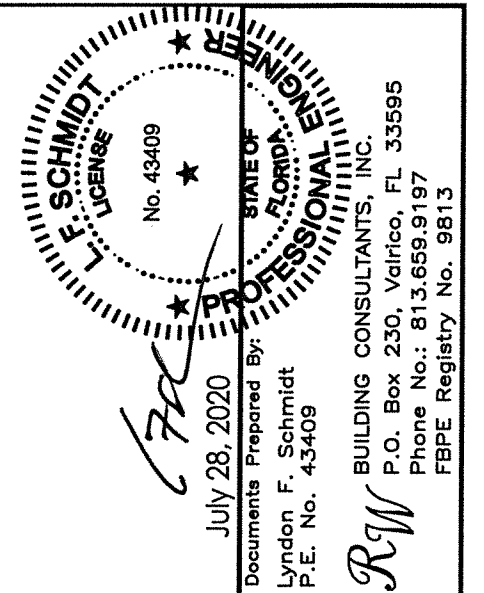
CONCRETE ANCHOR NOTES:

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:

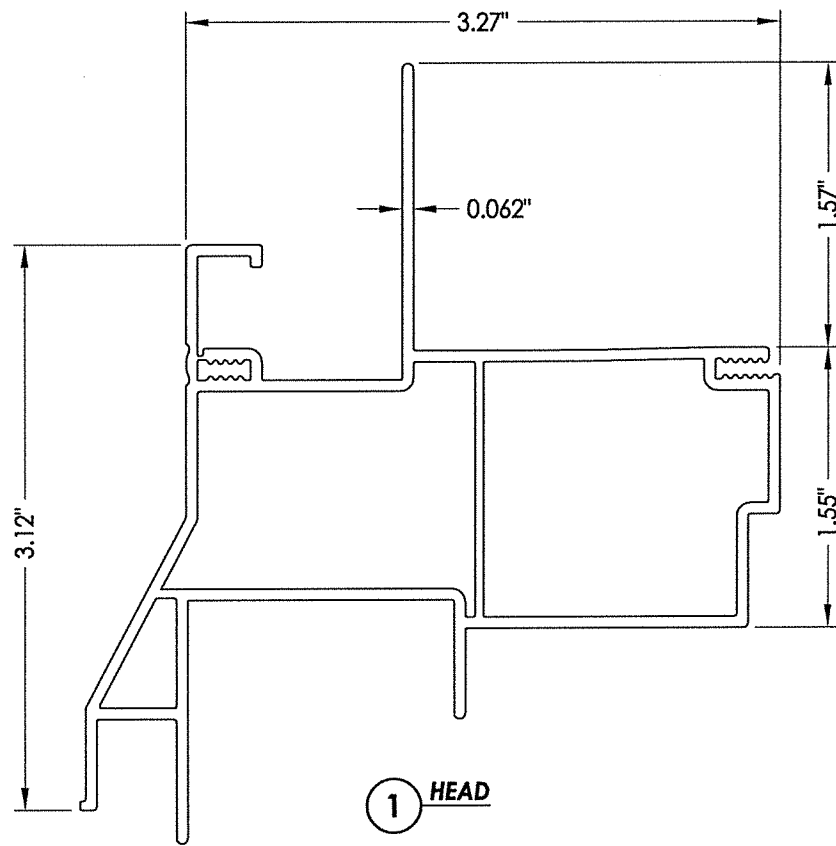
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRA CON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

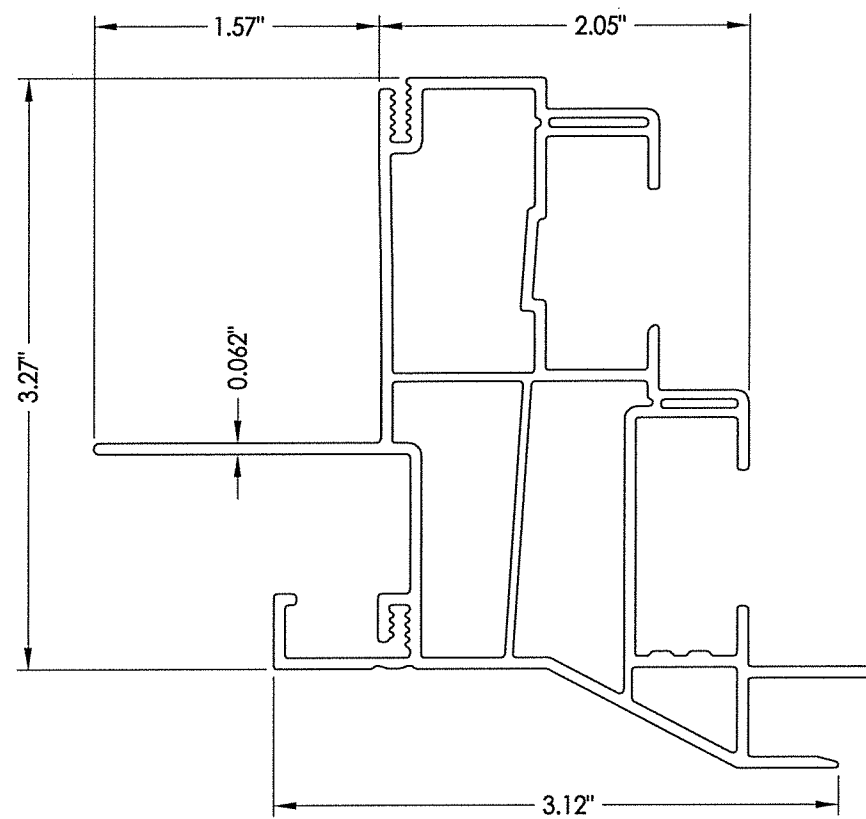
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



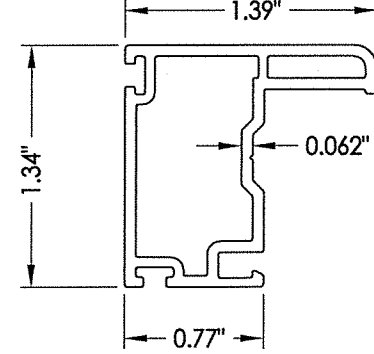
DATE: 4/17/18		PRODUCT: SUNRISE WINDOWS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-26910.1			
SHEET 3 OF 5	PART OR ASSEMBLY: BUCK & FRAME ANCHORING		



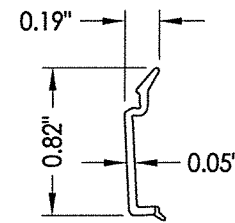
1 HEAD



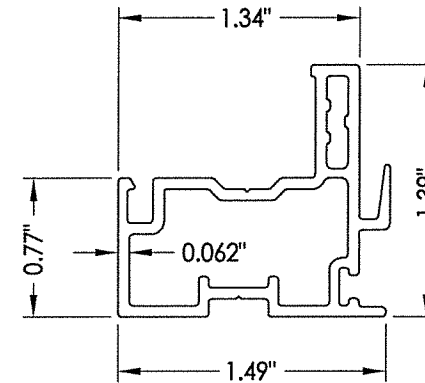
3 JAMB



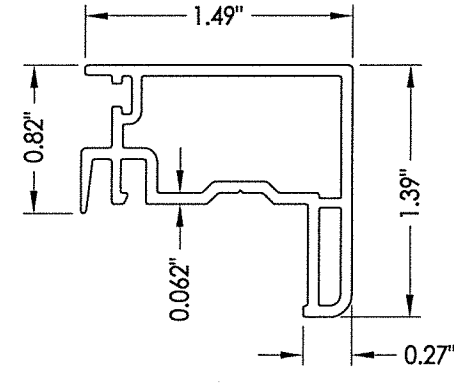
5 STILE



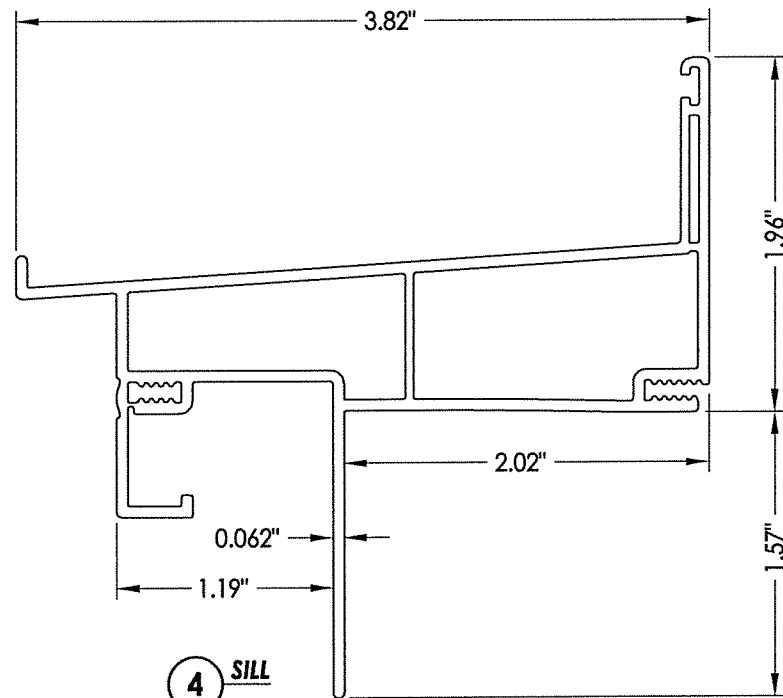
2 GLAZING BEAD



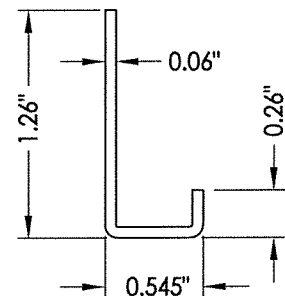
6 KEEPER RAIL



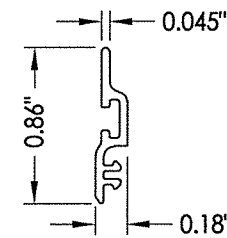
7 LOCK RAIL



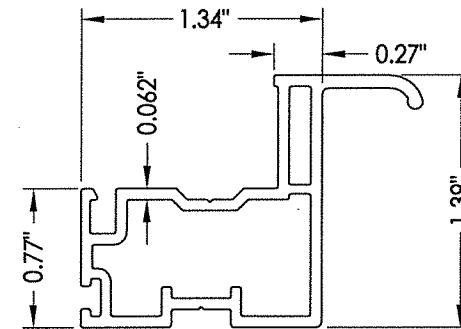
4 SILL



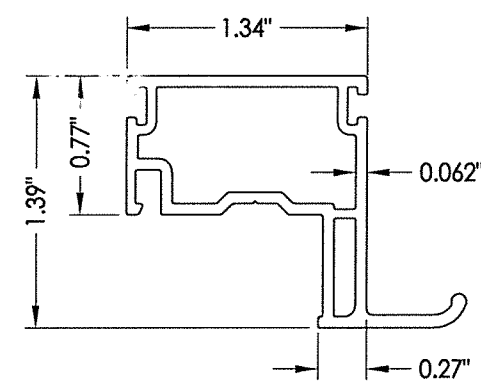
20 JAMB REINFORCEMENT
1" WIDE



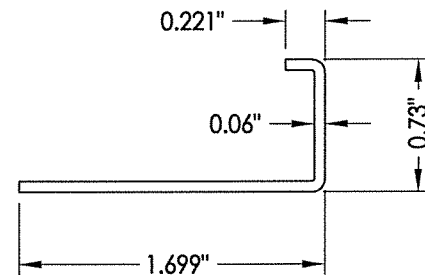
19 SILL RISER



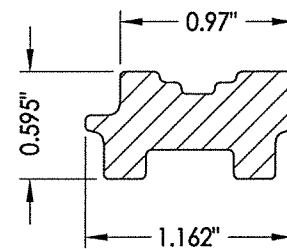
8 BOTTOM LIFT RAIL



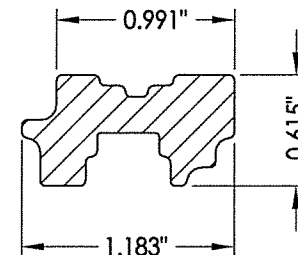
8 PULL RAIL



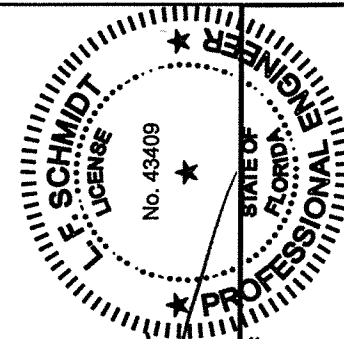
25 J-CHANNEL REINFORCEMENT
24" WIDE



14 LOCK RAIL REINFORCEMENT



15 STILE/RAIL REINFORCEMENT



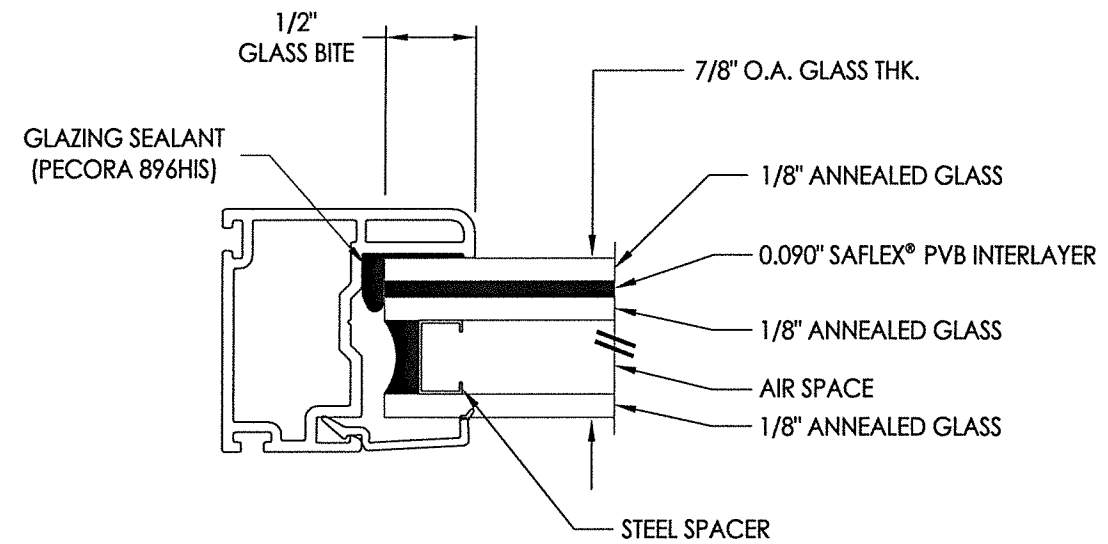
July 28, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

PRODUCT:		PART OR ASSEMBLY:	
SUNRISE WINDOWS		COMPONENTS	
NO.	DATE	DESCRIPTION	BY
1	7/27/20	UPDATE TO 7TH ED (2020) FBC	LFS
REVISIONS			
DATE: 4/17/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-26910.1			
SHEET 4 OF 5			

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X STUD (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/8" 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 1-1/4" PPH SMS (1-3/16" MIN. EMBEDMENT)	STEEL
H	#8 X 1-3/4" PPH SMS (1-3/16" 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	HEAD (731)*	RIGID PVC
2	GLAZING BEAD (716A)*	RIGID PVC
3	JAMB (733)*	RIGID PVC
4	SILL (732)*	RIGID PVC
5	STILE (708)*	RIGID PVC
6	KEEPER RAIL (707)*	RIGID PVC
7	LOCK RAIL (706)*	RIGID PVC
8	BOTTOM LIFT RAIL (705)*	RIGID PVC
9	PULL RAIL (715)*	RIGID PVC
11	SASH LOCK	-
12	KEEPER	-
14	LOCK RAIL REINFORCEMENT (948)	COMPOSITE
15	STILE/RAIL REINFORCEMENT (952)	COMPOSITE
19	SILL RISER (719)*	RIGID PVC
20	JAMB REINFORCEMENT (970)	STEEL
24	BULB GASKET (AMESBURY)	FOAM
25	J-CHANNEL REINFORCEMENT (975IP)	STEEL

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



G1 GLAZING DETAIL

