

R:\Clients\Sunrise Windows\A - Florida Product Approvals\FL-26909 - Horizontal Slider Window\C - Drawings\FL 26909 (2020)\FL-26909.16.dwg, FL-26909.16



"Restorations" Series

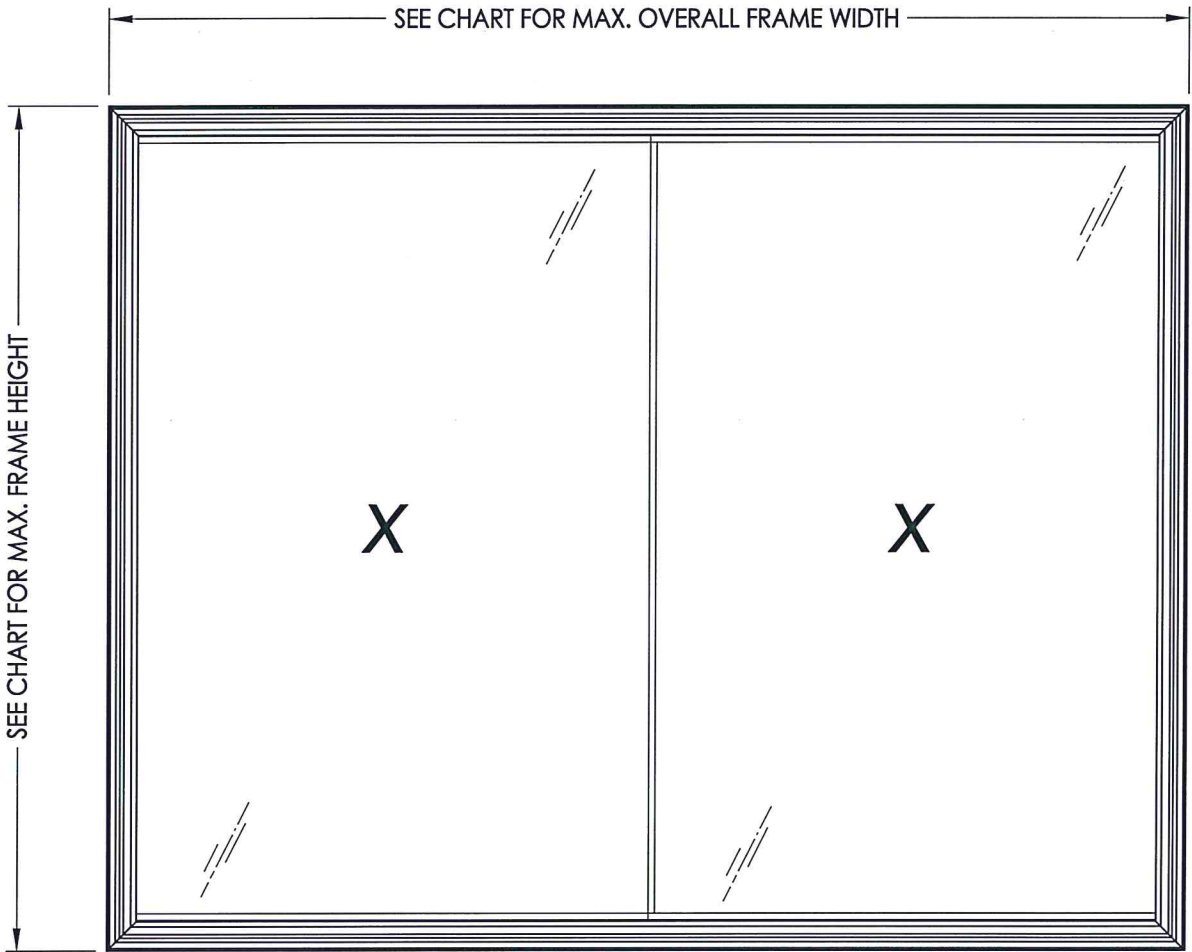
Horizontal Sliding Window

"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.

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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 and glazing details



MAX. OVERALL FRAME DIMENSION	MAX. DAY LITE DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POS.	NEG.
93.0" X 73.0"	43.13" X 66.63"	G1	+15.0	-20.0
72.0" X 56.0"	32.63" X 49.63"	G1	+30.0	-35.0
63.0" X 44.0"	28.13" X 37.63"	G2	+40.0	-45.0

FLORIDA
SCHMIDT
LICENSE
No. 43409

July 28, 2020

Documents Prepared By:
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STATE OF
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PROFESSIONAL
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RW
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: SUNRISE WINDOWS

PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

DATE: 2/12/20

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.: FL-26909.16

SHEET 1 OF 5

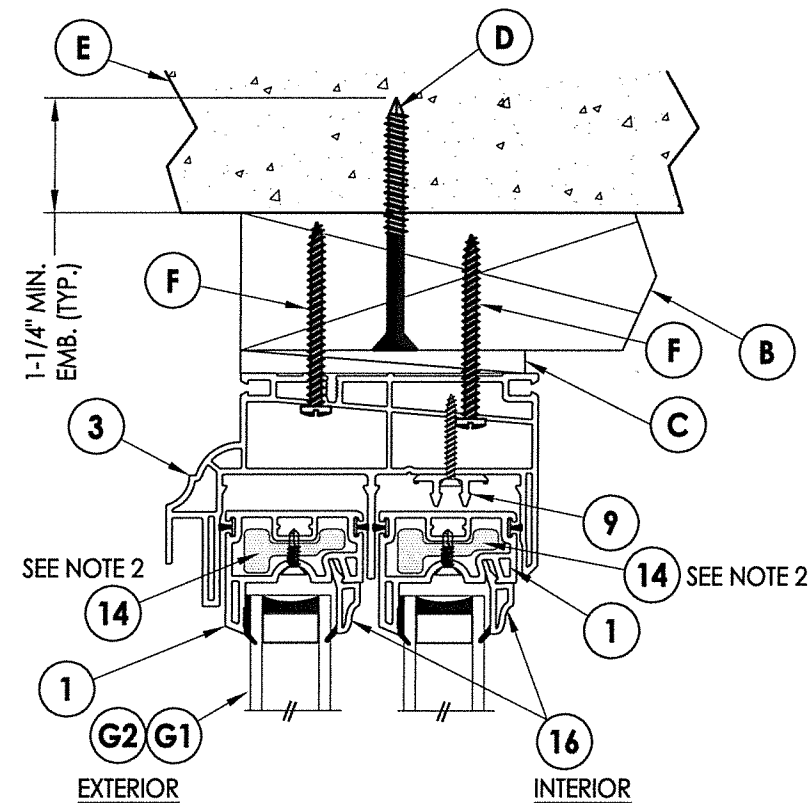
REVISIONS

1 7/27/20 UPDATE TO 7TH ED (2020) FBC

Diagram illustrating the cross-section of a window assembly, showing the interior and exterior views. The diagram includes the following labeled components:

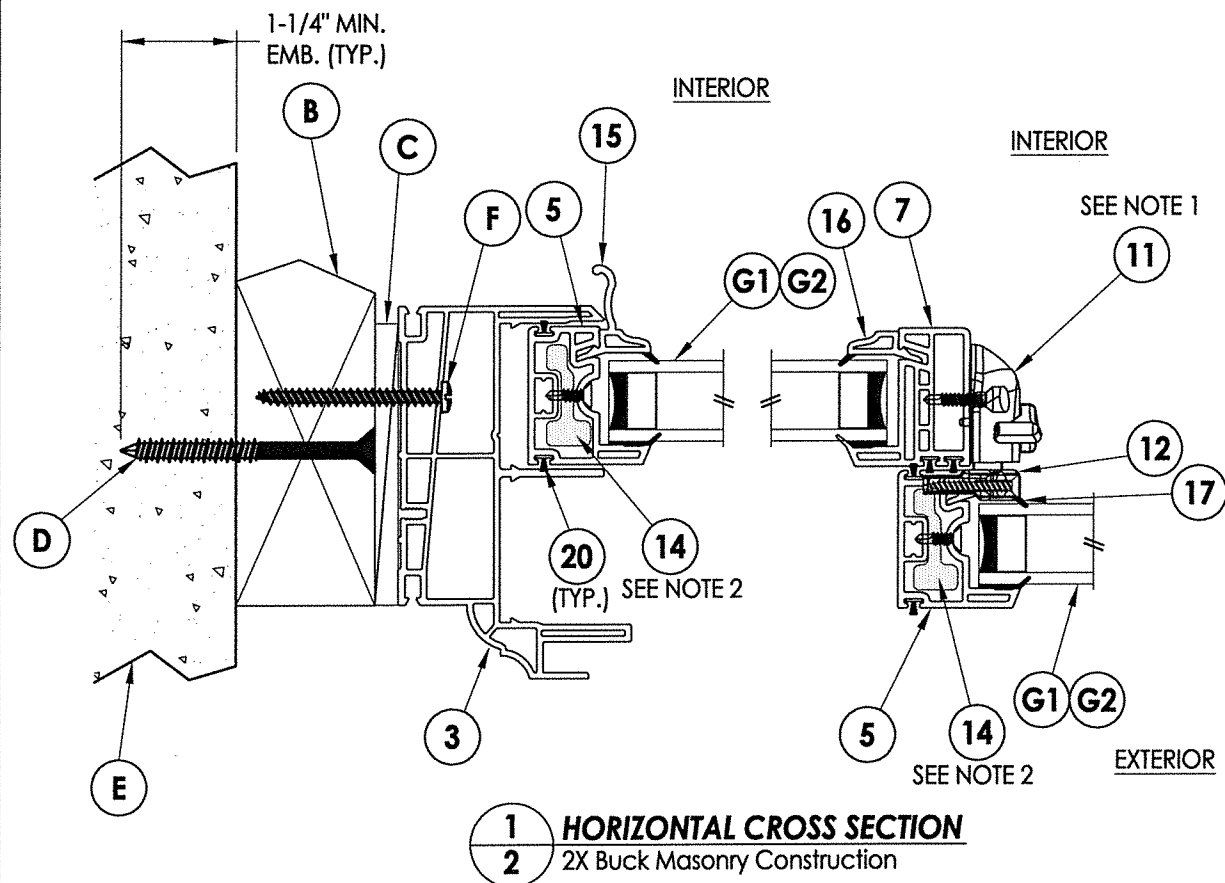
- J**: Interior frame or wall.
- K**: Window pane or glass.
- C**: Window frame or sash.
- 15**: Interior weatherstripping or seal.
- INTERIOR**: Label indicating the interior side of the assembly.
- G1** and **G2**: Glass gaskets or spacers.
- 20 (TYP.)**: Typical fastener or screw.
- 14**: Component labeled "SEE NOTE 2".
- 3**: Exterior weatherstripping or seal.
- EXTERIOR**: Label indicating the exterior side of the assembly.

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

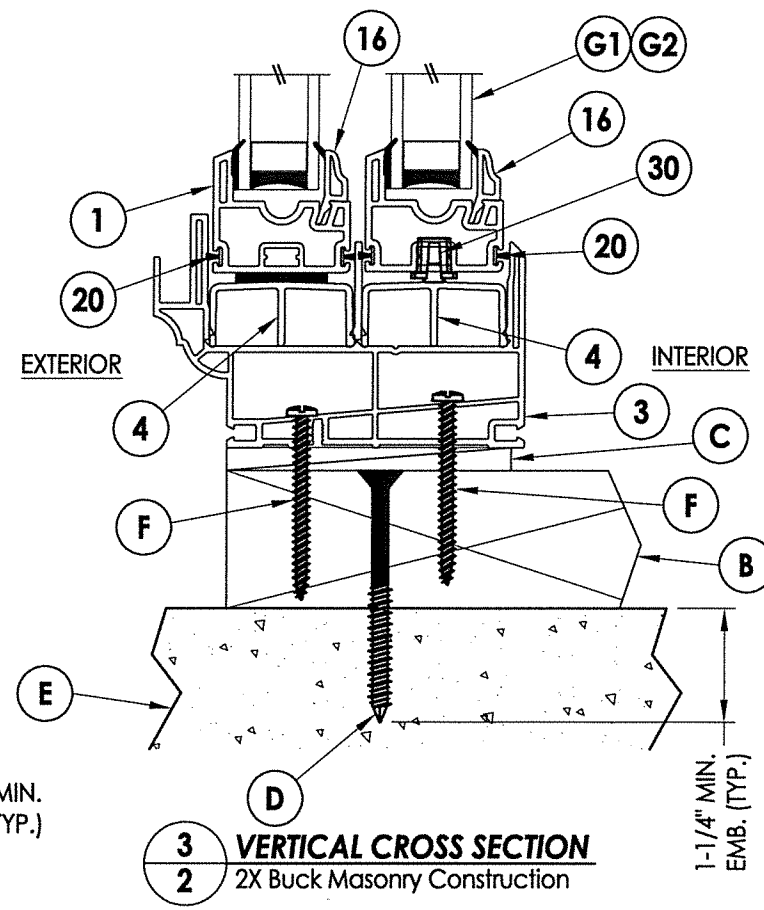


4 VERTICAL CROSS SECTION
2 2X Buck Masonry Construction

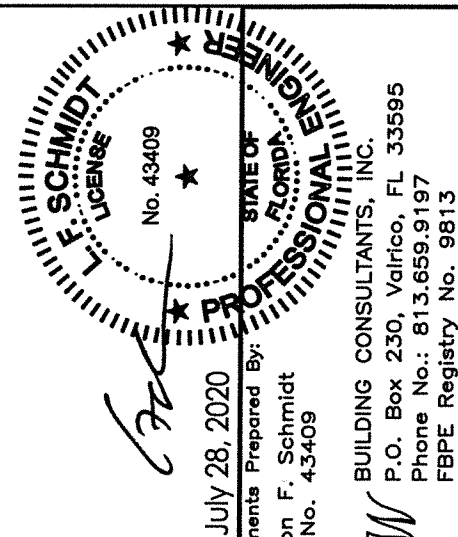
1. Lock and keeper located 11" from each end of lock/meeting stile.
2. Reinforcement required as follows:
 - 93" X 73" Frame Size: All stile & rail reinforcement shown
 - 72" X 56" Frame Size: All stile & rail reinforcement shown
 - 63" X 44" Frame Size: All stile reinforcement shown



2 HORIZONTAL CROSS SECTION
2 1X Buck Masonry Construction



3	VERTICAL CROSS SECTION
2	2X Buck Masonry Construction



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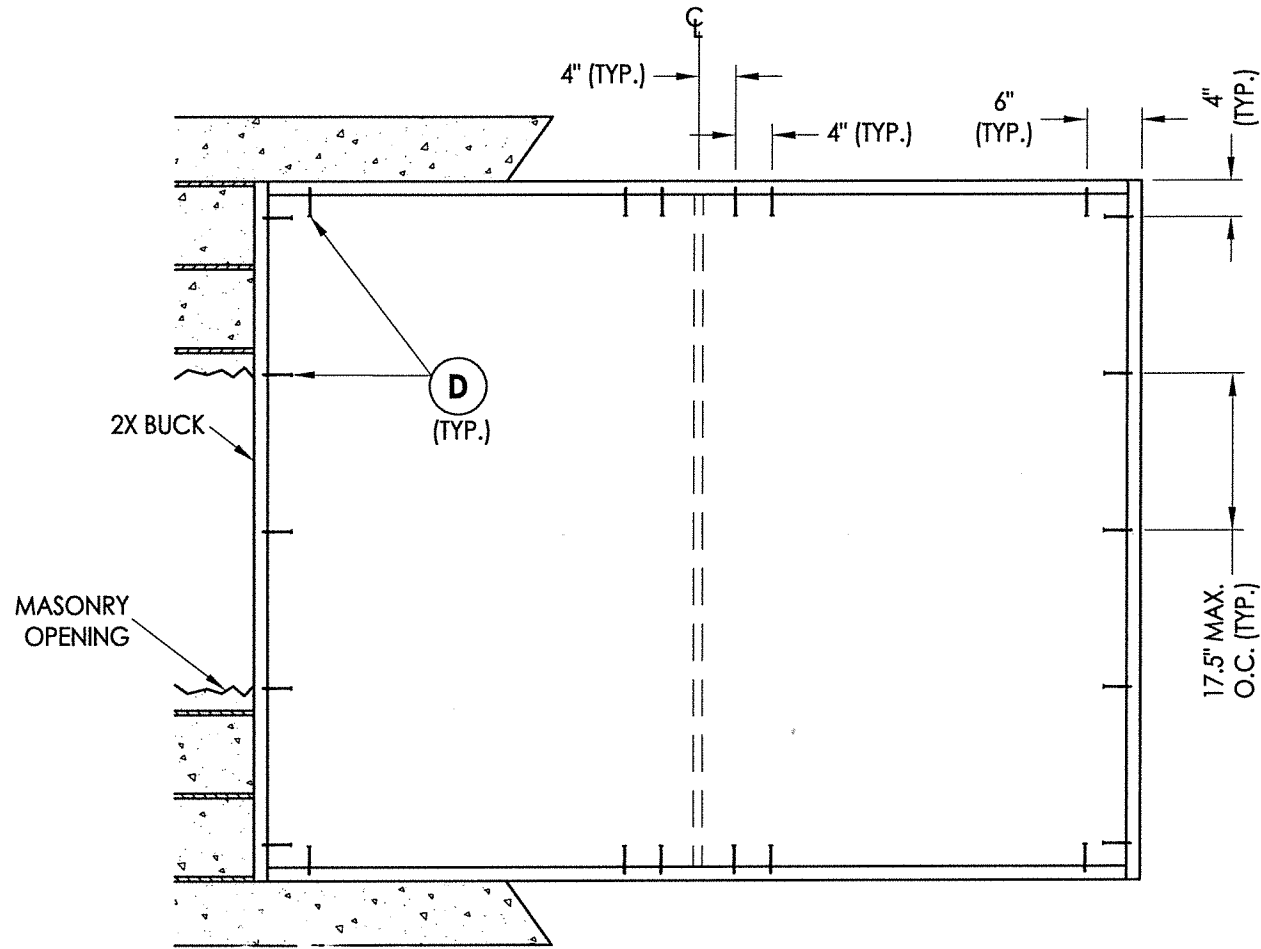
PRODUCT: SUNRISE WINDOWS

PART OR ASSEMBLY:

**VERTICAL & HORIZONTAL
CROSS SECTIONS**

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2X BUCK ANCHORING

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- Concrete anchor table:

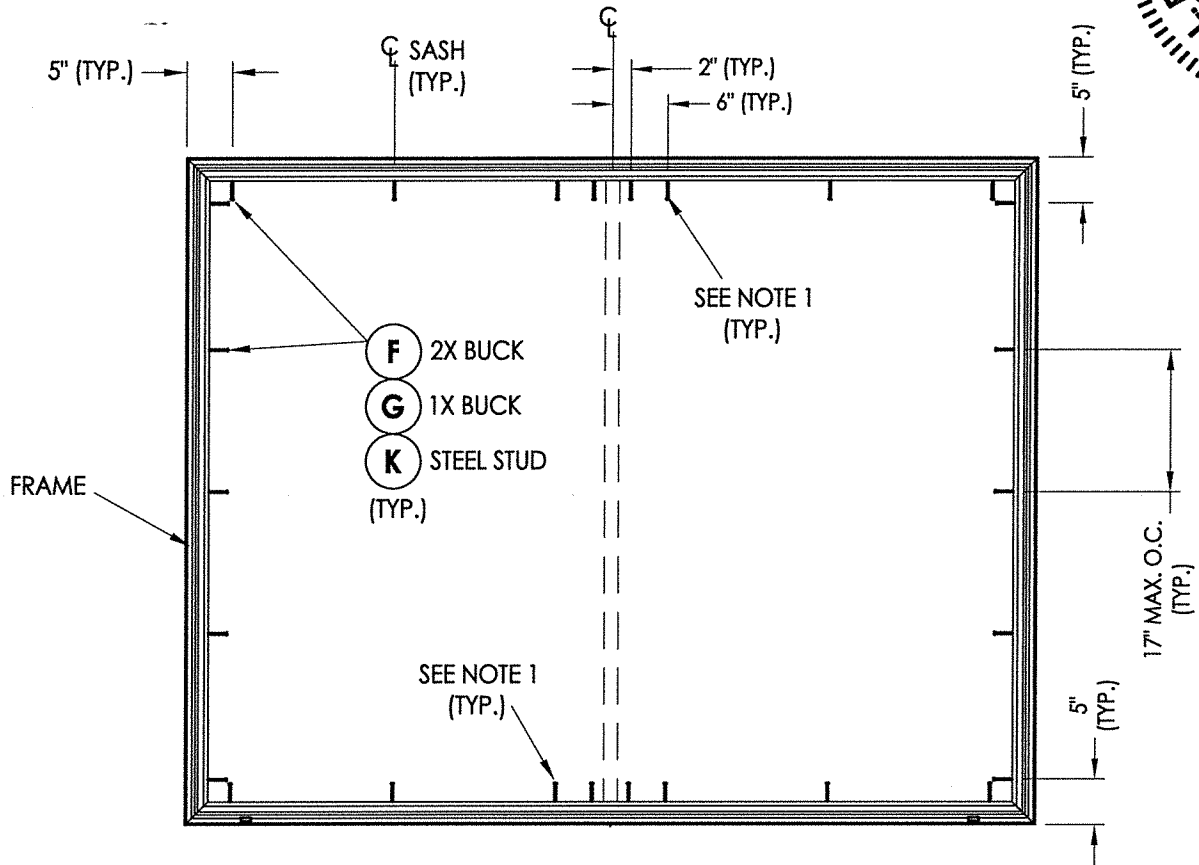
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

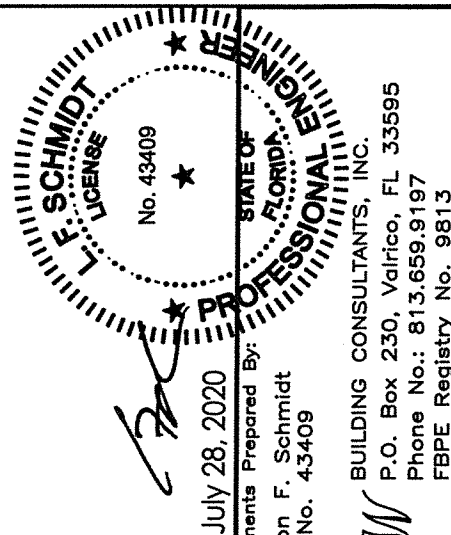
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

NOTE:

- Frame anchors along the head and sill are located in the sash track where they are hidden when the sashes are closed.



FRAME ANCHORING



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PRODUCT: SUNRISE WINDOWS

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
1	7/27/20	UPDATE TO 7TH ED (2020) FBC
		LFS
		BY

DATE: 2/12/20

SCALE: N.T.S.

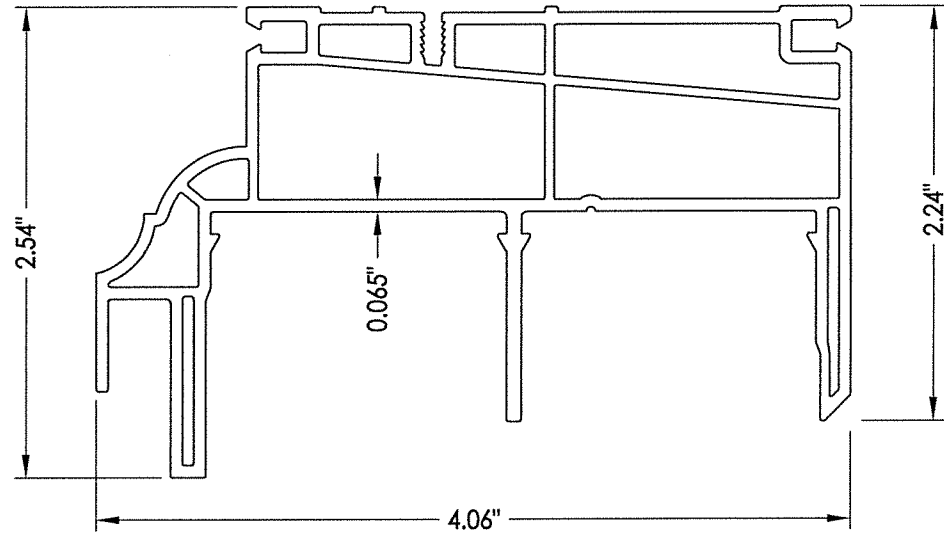
DWG. BY: TRJ

CHK. BY: LFS

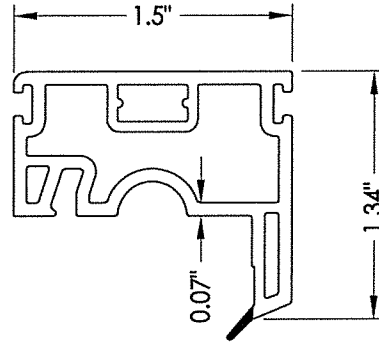
DRAWING NO.:
FL-26909.16

SHEET 3 OF 5

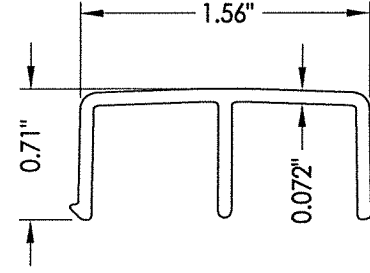
R:\Clients\Sunrise Windows\A - Florida Product Approvals\FL-26909 - Horizontal Slider Window\C - Drawings\FL 26909 (2020)\FL-26909.16.dwg, 4.2



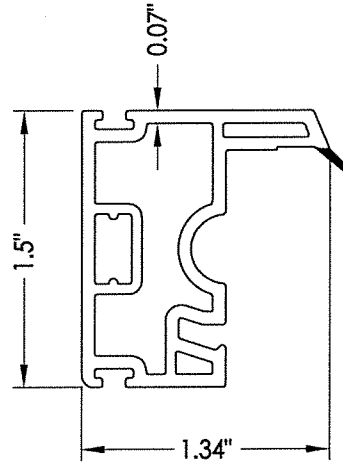
3 FRAME



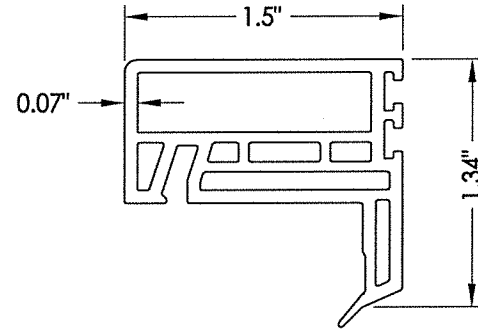
1 TOP/ BOTTOM RAIL



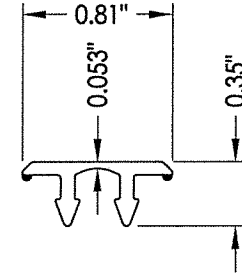
4 SILL TRACK



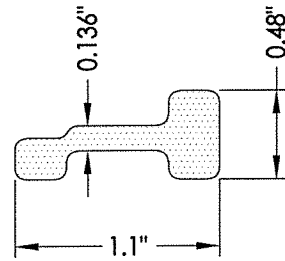
5 STILE



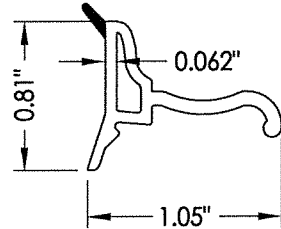
7 LOCK STILE



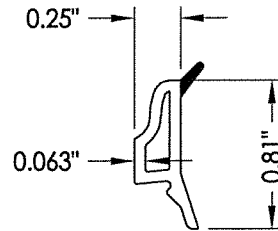
9 SASH LIFT LOCK



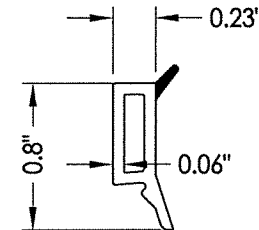
14 STILE/RAIL REINFORCEMENT



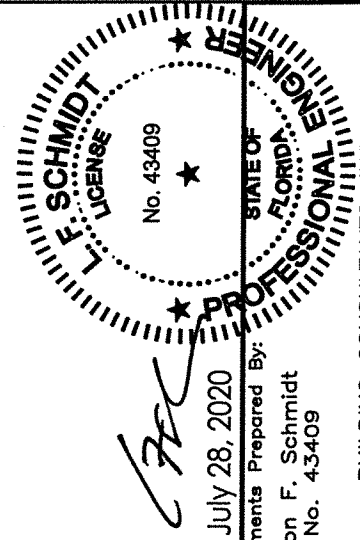
15 PULL STILE GLAZING BEAD



16 CONTOURED GLAZING BEAD



17 MTG. STILE GLAZING BEAD



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PRODUCT:
SUNRISE WINDOWS

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
1	7/27/20	UPDATE TO 7TH ED (2020) FBC
LFS	BY	

DATE: 2/12/20

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

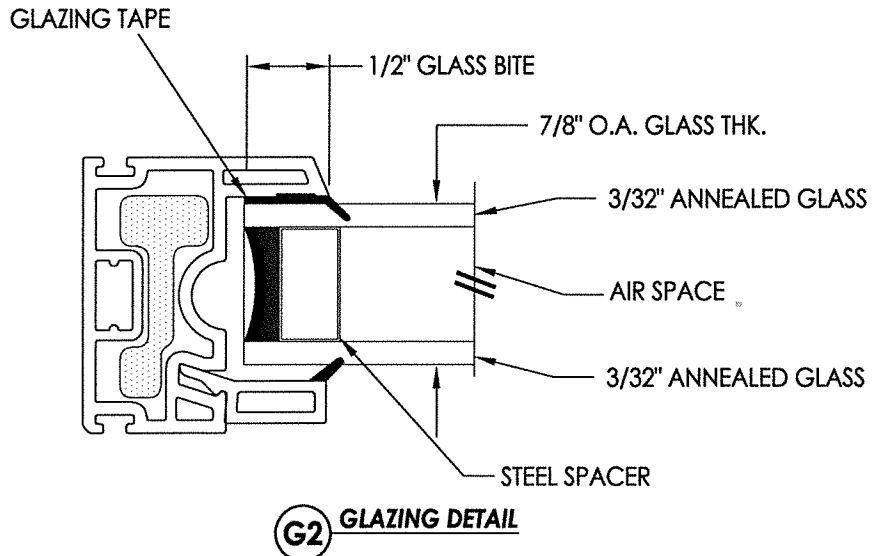
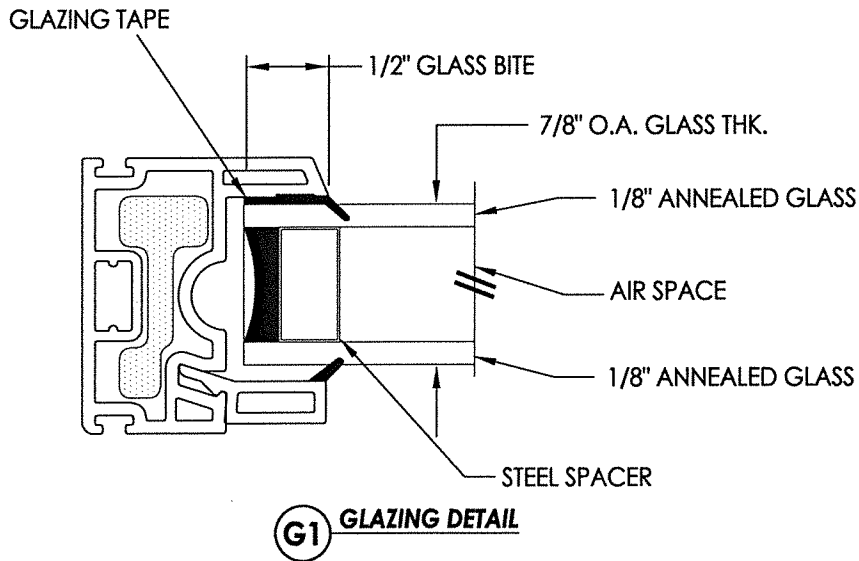
DRAWING NO.:

FL-26909.16

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	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	#10 X 2" PPH SMS (1-1/4" 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	TOP RAIL/BOTTOM RAIL*	RIGID PVC
3	FRAME*	RIGID PVC
4	SILL TRACK*	RIGID PVC
5	STILE*	RIGID PVC
7	LOCK STILE*	RIGID PVC
9	SASH LIFT LOCK*	RIGID PVC
11	SASH LOCK	-
12	KEEPER	-
14	STILE/RAIL REINFORCEMENT	COMP
15	PULL STILE GLAZING BEAD*	RIGID PVC
16	CONTOURED GLAZING BEAD*	RIGID PVC
17	MEETING STILE GLAZING BEAD*	RIGID PVC
20	WEATHERSTRIP	-
30	ROLLER ASSY.	-

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



	<i>[Signature]</i> July 28, 2020	Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	STATE OF FLORIDA PROFESSIONAL ENGINEER	BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
PRODUCT: SUNRISE WINDOWS		PART OR ASSEMBLY: BILL OF MATERIALS AND GLAZING DETAILS		
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DATE: 2/12/20 SCALE: N.T.S. DWG. BY: TRJ CHK. BY: LFS DRAWING NO.: FL-26909.16 SHEET 5 OF 5				