

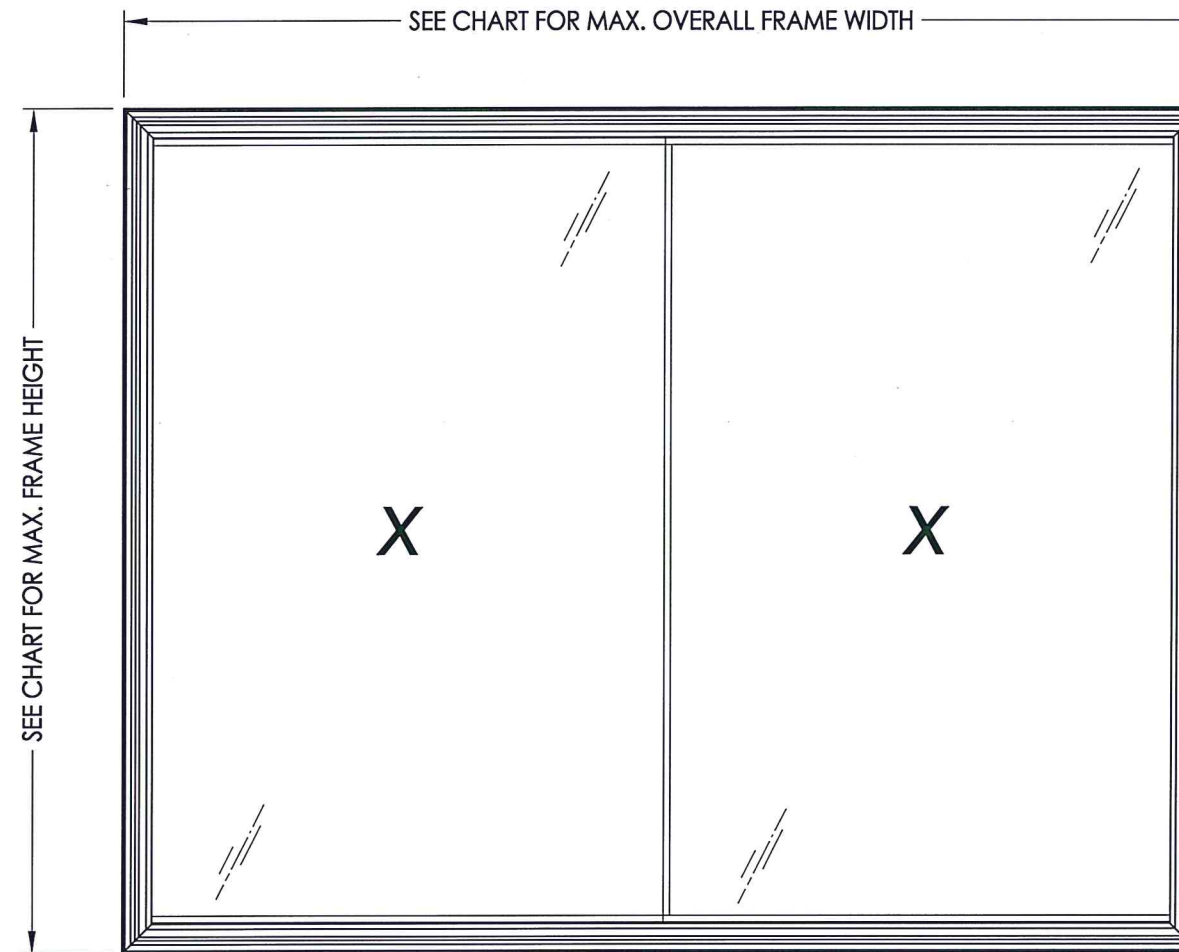
vanguard®

"Vanguard" Series
Horizontal Sliding Window
"NON-IMPACT"

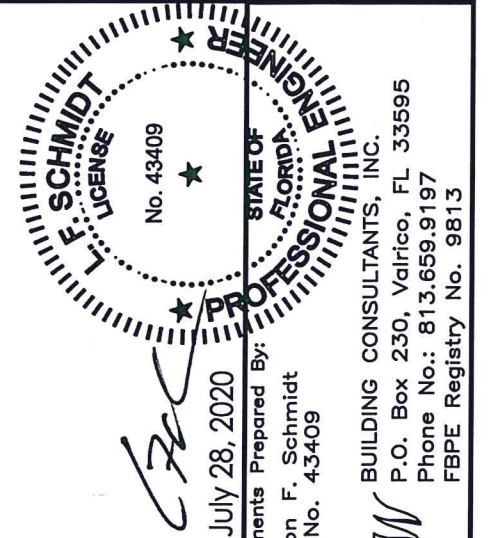
GENERAL NOTES

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.

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 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
63.0" X 40.0"	28.13" X 33.63"	G2	+40.0	-45.0

[illegible]

A detailed cross-sectional diagram of a window assembly. The diagram shows the internal structure of the window frame and sash. Key components are labeled with circled numbers and letters: **J** points to the top frame rail; **K** points to a horizontal fastener (screw) passing through the frame; **C** points to the sash rail; **15** points to the interior weatherstripping seal; **G1** and **G2** point to the glass panes; **20 (TYP.)** points to a small internal component, with a note "SEE NOTE 2"; **14** points to the sash weight or pulley system; **3** points to the exterior weatherstripping seal. The diagram is divided into "INTERIOR" (top) and "EXTERIOR" (bottom) sections.

14
SEE NOTE 2

15

3

A

C

E

G

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

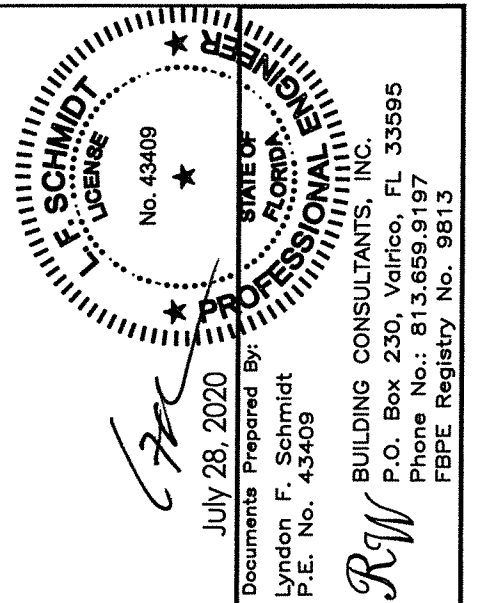
1-1/4" MIN.
EMB. (TYP.)

SEE NOTE 2

SEE NOTE 2

EXTERIOR

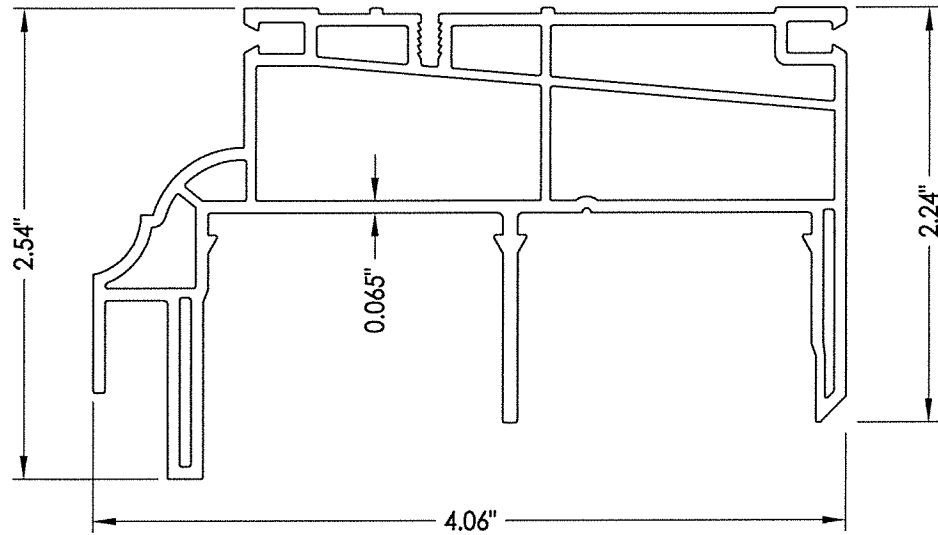
INTERIOR



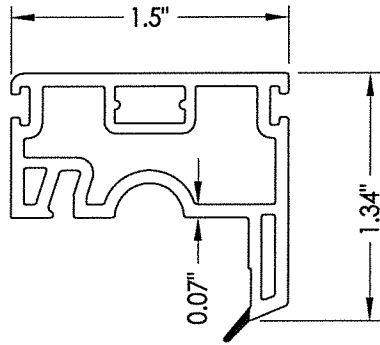
DATE: 2/12/20		PRODUCT: SUNRISE WINDOWS	
SCALE: N.T.S.			
DWG. BY: TRJ			
CHK. BY: LFS			
DRAWING NO.: FL-26909.15			
SHEET 2 OF 5	PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS		
REVISIONS			
NO. DATE			
1 7/27/20 UPDATE TO 7TH ED (2020) FBC LFS			
BY			

© 2020 R.W. BUILDING CONSULTANTS INC.

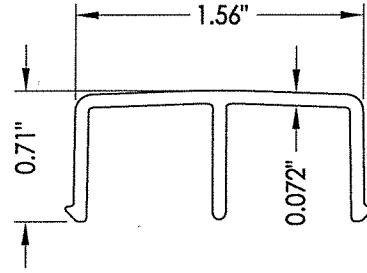
R:\Clients\Sunrise Windows\A - Florida Product Approvals\FL-26909 - Horizontal Slider Window\A - Drawings\FL 26909 (2020)\FL-26909.15.dwg, 4.2



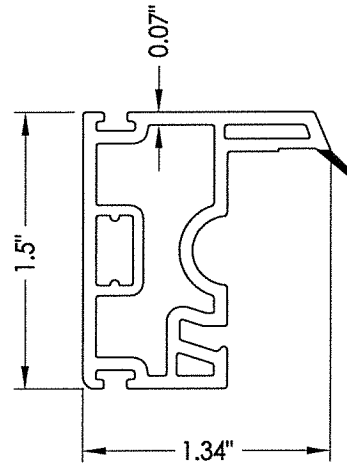
3 FRAME



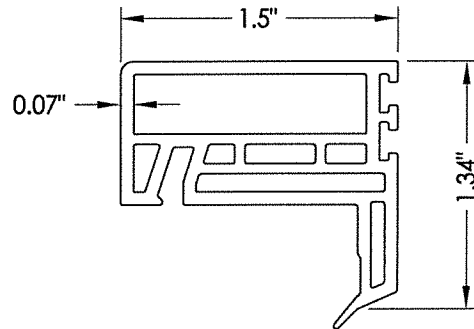
1 TOP/ BOTTOM RAIL



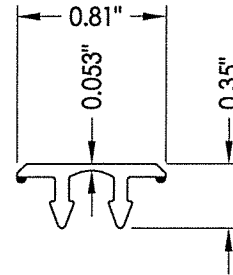
4 SILL TRACK



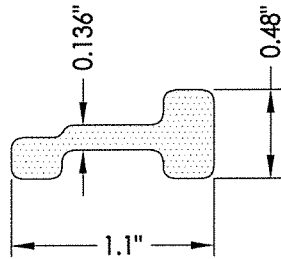
5 STILE



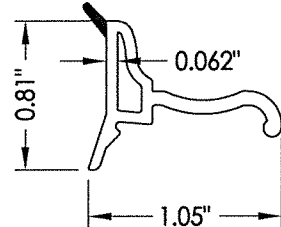
7 LOCK STILE



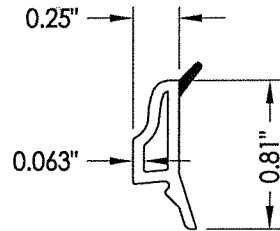
9 SASH LIFT LOCK



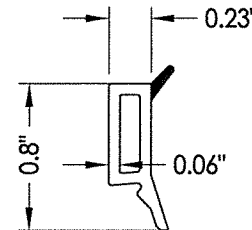
14 STILE/RAIL REINFORCEMENT



15 PULL STILE GLAZING BEAD



16 CONTOURED GLAZING BEAD



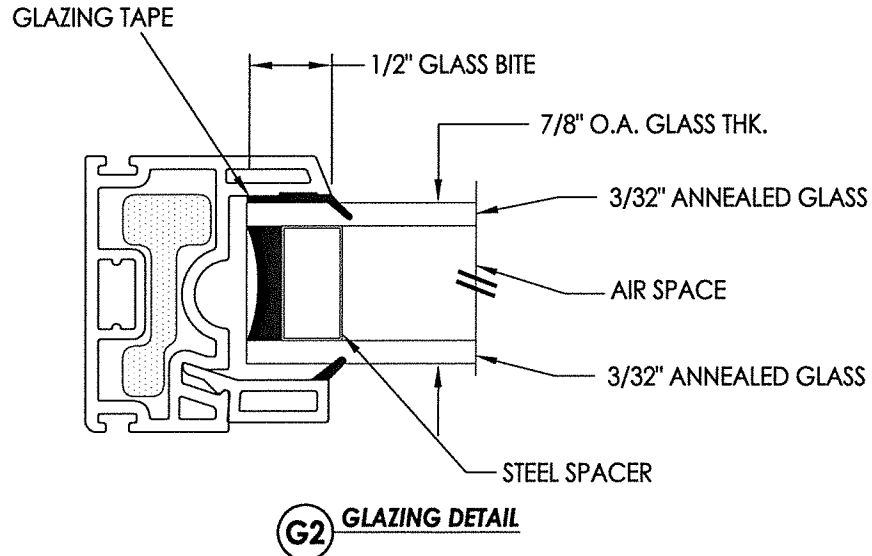
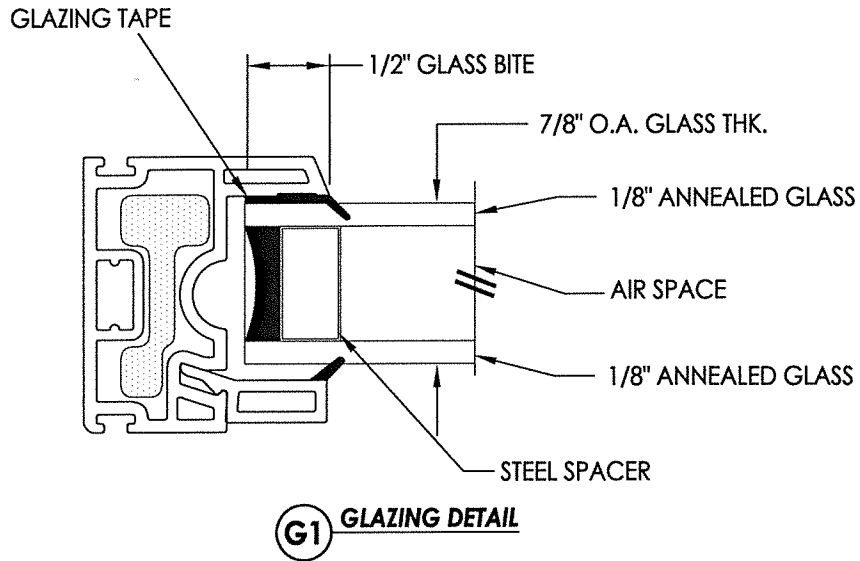
17 MTG. STILE GLAZING BEAD

Professional Engineer
L. F. SCHMIDT
No. 43409
July 28, 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:		SUNRISE WINDOWS	
PART OR ASSEMBLY:		COMPONENTS	
DATE:		2/12/20	
SCALE:		N.T.S.	
DWG. BY:		TRJ	
CHK. BY:		LFS	
DRAWING NO.:		FL-26909.15	
SHEET		4 OF 5	
NO.		DATE	
1		7/27/20	
UPDATE TO		7TH ED (2020)	
FBC		LFS	
BY		BY	
REVISIONS			

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



DATE: 2/12/20

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.: FL-26909.15

SHEET 5 OF 5

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

PRODUCT: SUNRISE WINDOWS

PART OR ASSEMBLY: BILL OF MATERIALS AND GLAZING DETAILS

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

July 28, 2020

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

