

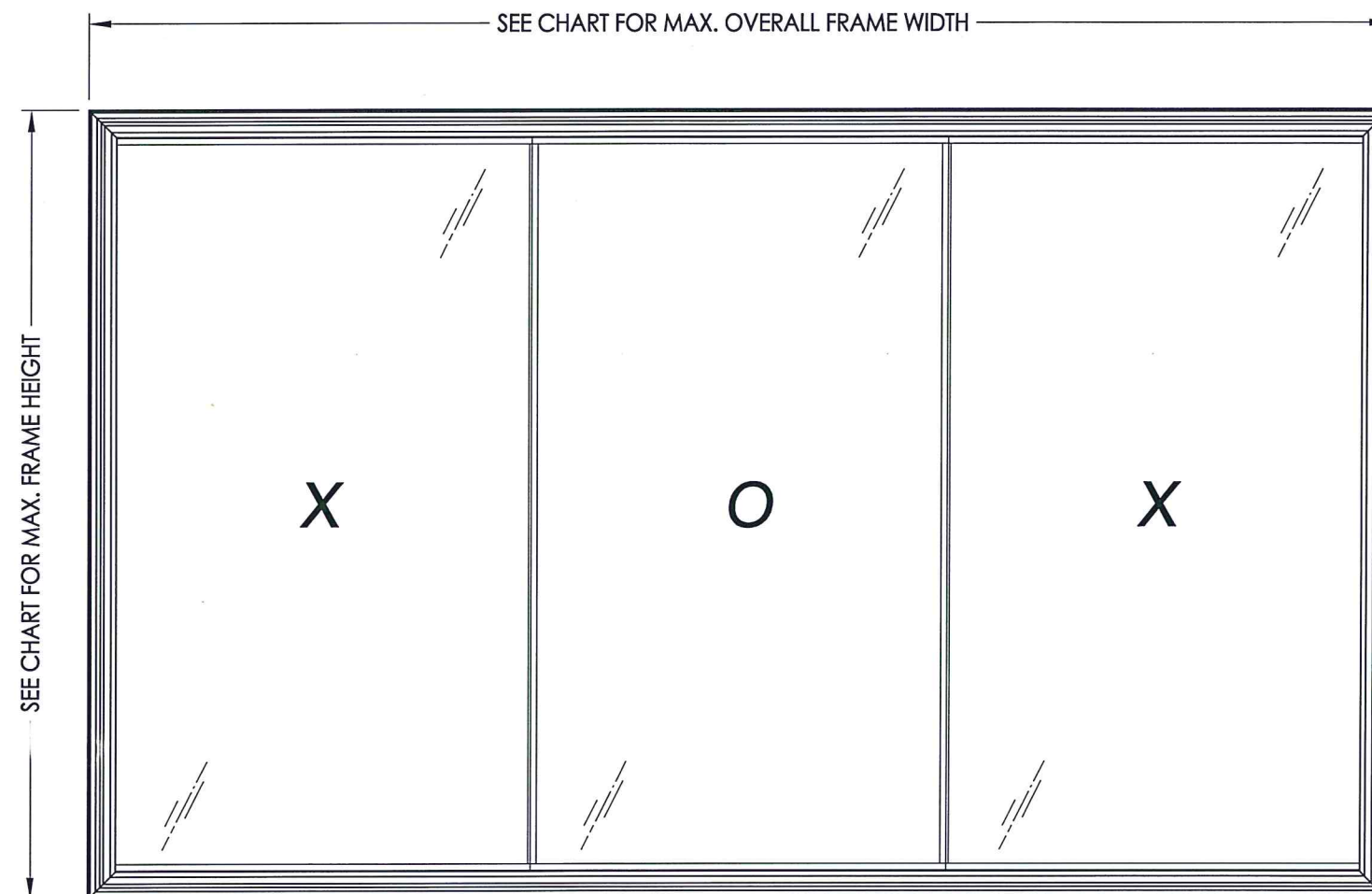
vanguard®

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

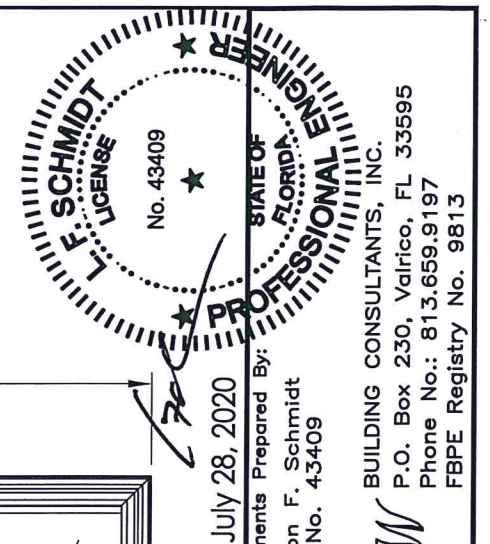
GENERAL NOTES

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.

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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.
120.0" X 73.0"	37.38" X 66.63"	G1	+15.0	-20.0
108.0" X 65.0"	33.25" X 58.63"	G1	+25.0	-25.0
96.0" X 56.0"	29.38" X 49.63"	G2	+30.0	-35.0
81.0" X 45.0"	24.25" X 38.38"	G2	+40.0	-45.0



July 28, 2020

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R²W
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: SUNRISE WINDOWS

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

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

DATE: 2/12/20

SCALE: *N.T.S.*

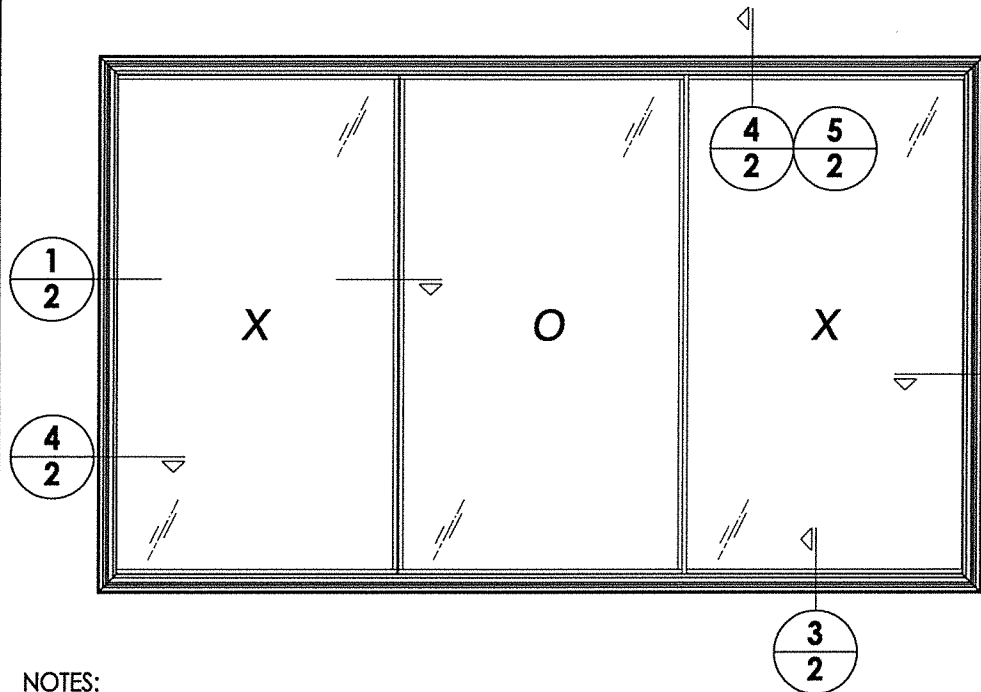
DWG. BY: *TRJ*

CHK. BY: LFS

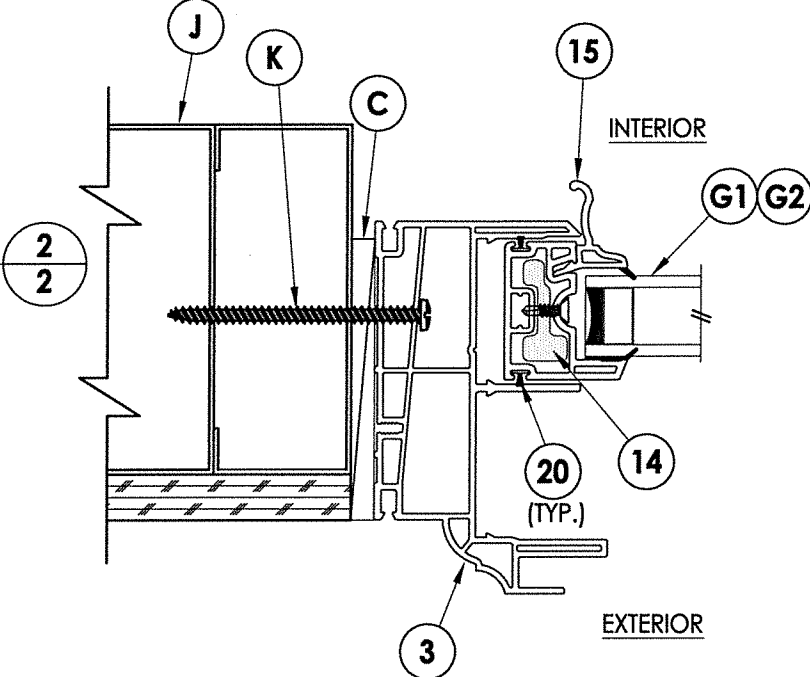
DRAWING NO.:
FL-26909.19

SHEET 1 OF 5

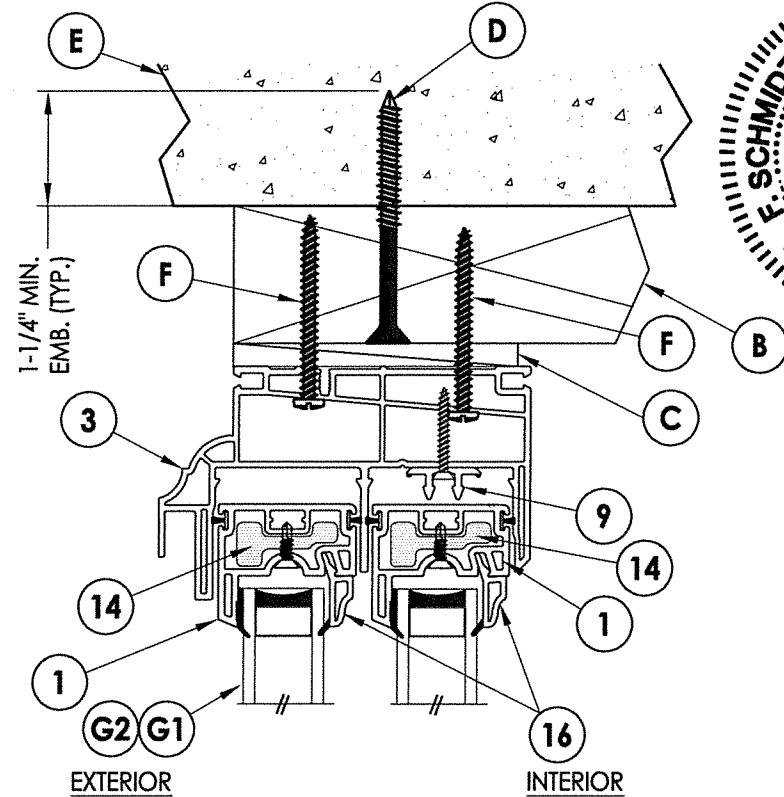
R:\Clients\Sunrise Windows\A - Florida Product Approvals\FL-26909 - Horizontal Slider Window\C - Drawings\FL 26909 (2020)\FL-26909.19.dwg, 2.2



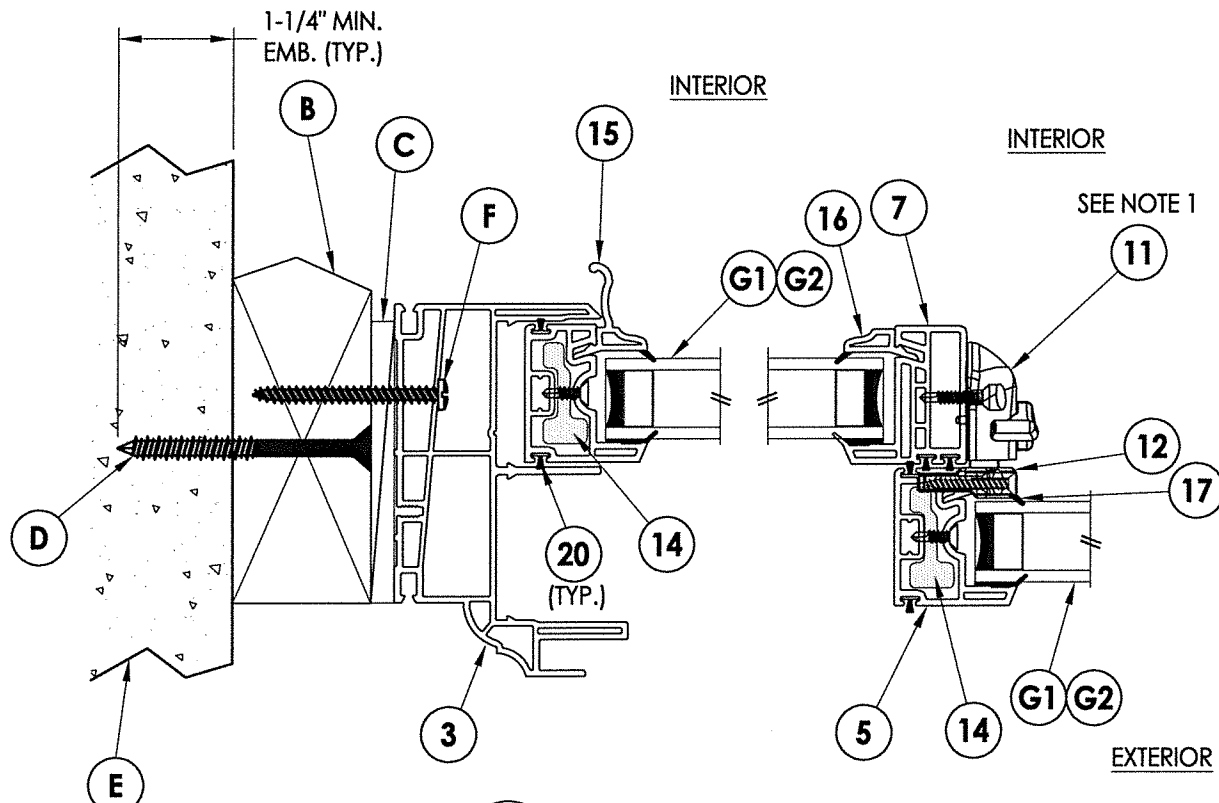
NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least 2 sheets of metal (maintain a min. 3/8" edge distance).



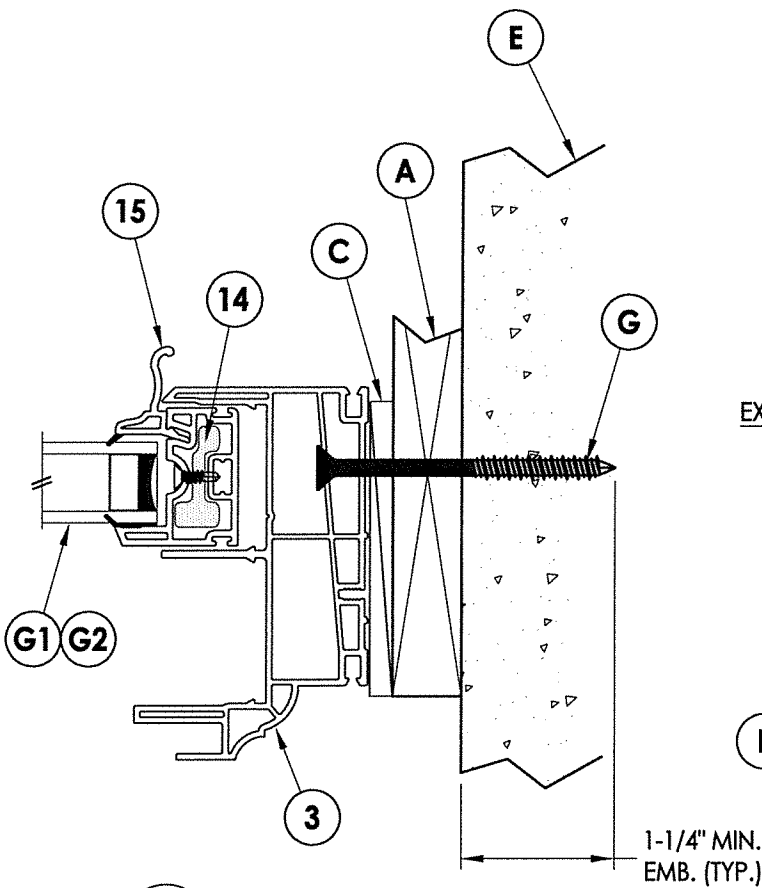
5 HORIZONTAL CROSS SECTION
2 Metal Stud Construction



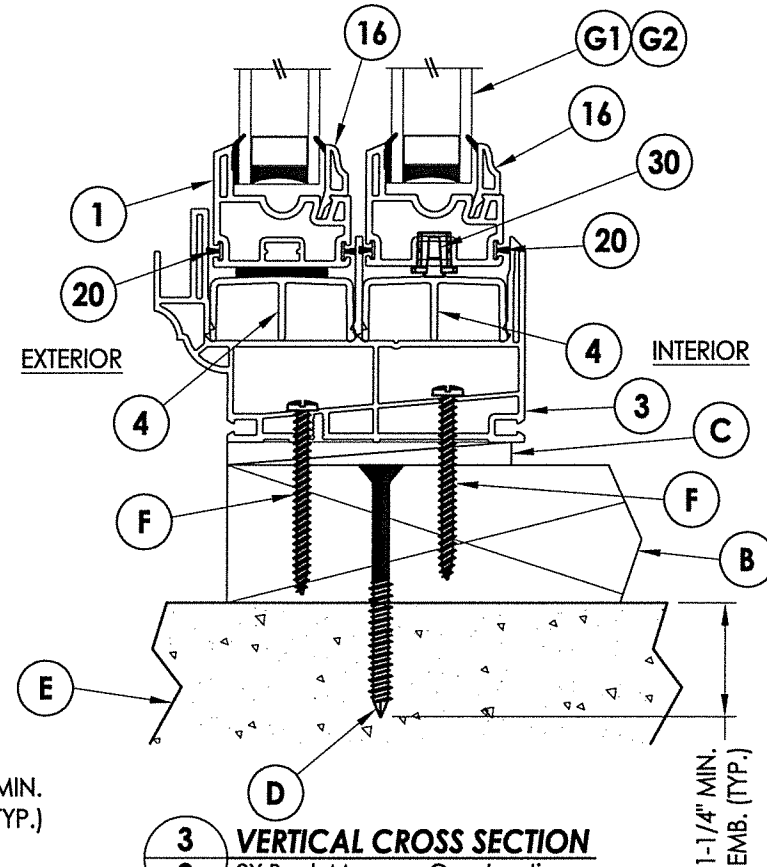
4 VERTICAL CROSS SECTION
2 2X Buck Masonry Construction



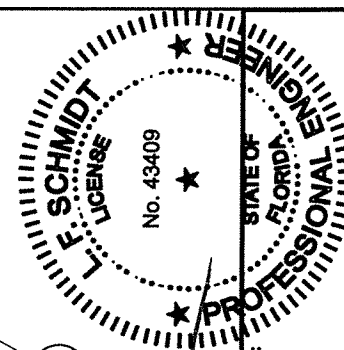
1 HORIZONTAL CROSS SECTION
2 2X Buck Masonry Construction



2 HORIZONTAL CROSS SECTION
2 1X Buck Masonry Construction



3 VERTICAL CROSS SECTION
2 2X Buck Masonry Construction

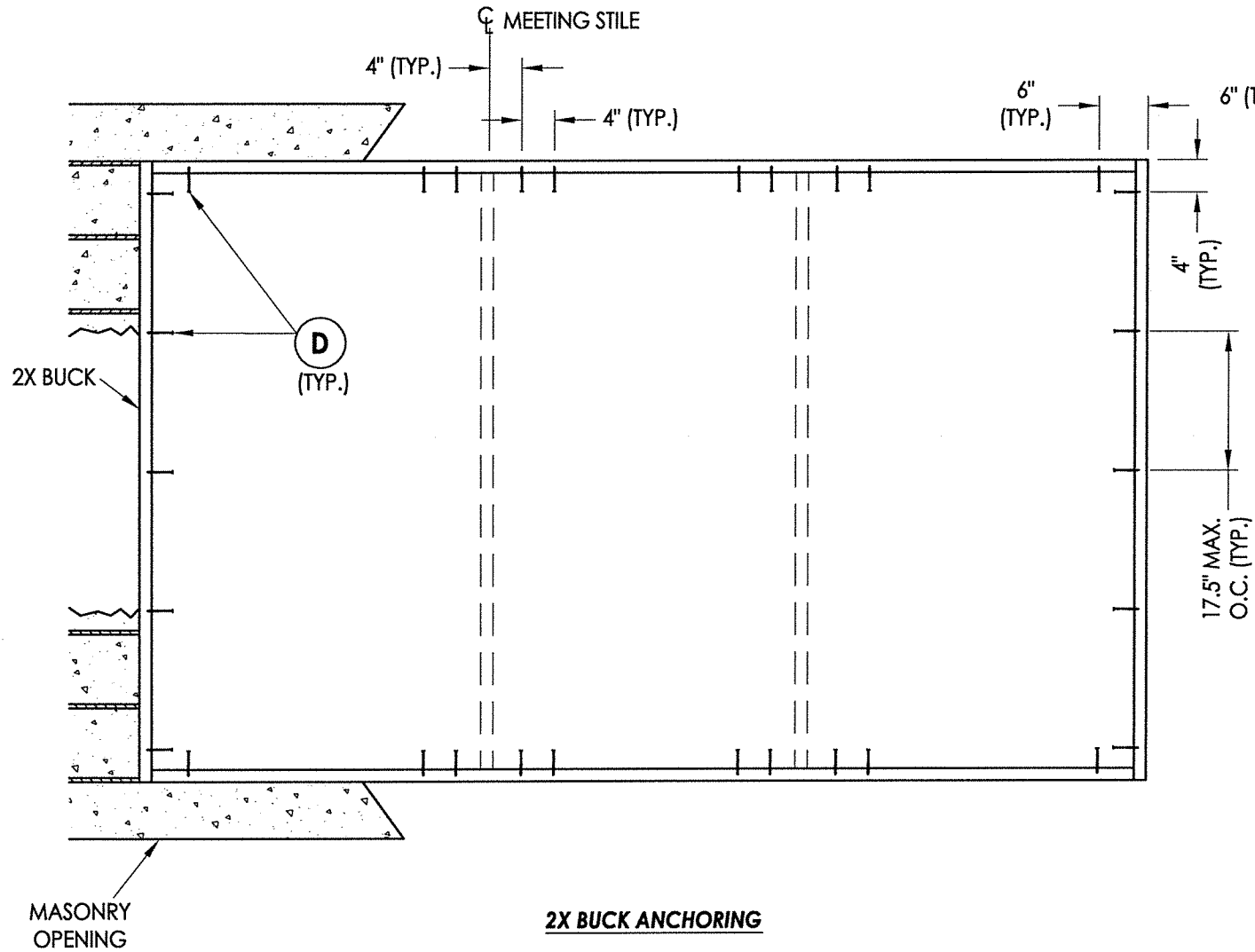


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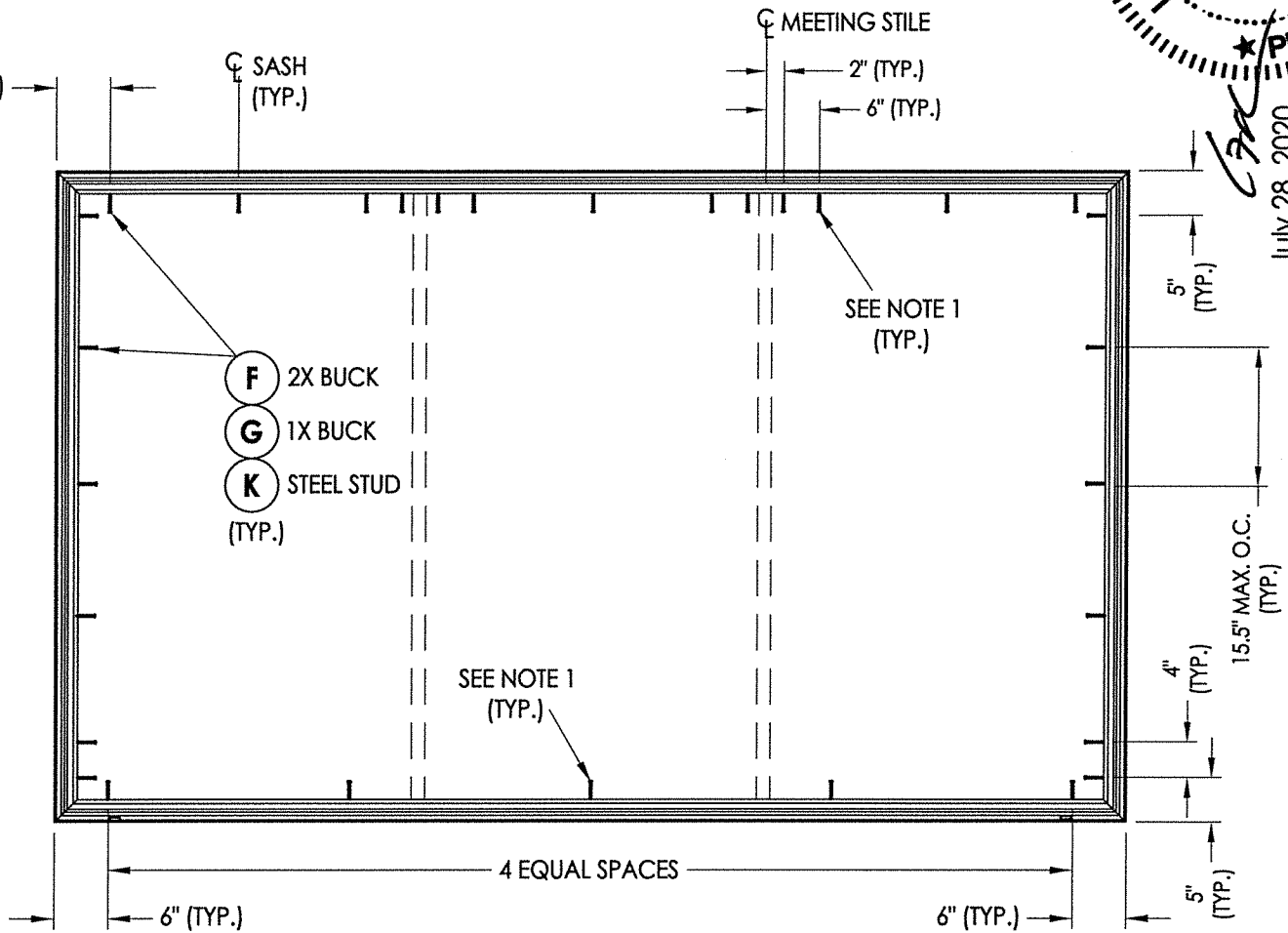
PRODUCT:		SUNRISE WINDOWS	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISIONS	
1	7/27/20	UPDATE TO 7TH ED (2020)	FBC
			LFS
			BY
DATE: 2/12/20			
SCALE: N.T.S.			
DWG. BY: TRJ			
CHK. BY: LFS			
DRAWING NO.: FL-26909.19			
SHEET 2 OF 5			



2X BUCK ANCHORING

NOTE:

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



FRAME ANCHORING

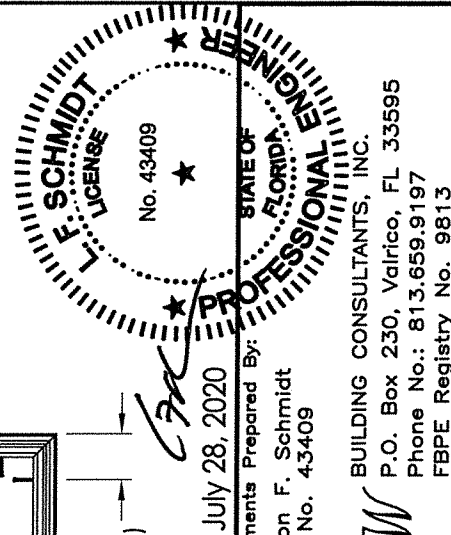
CONCRETE ANCHOR NOTES:

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"
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.



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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

DATE: 2/12/20

SCALE: N.T.S.

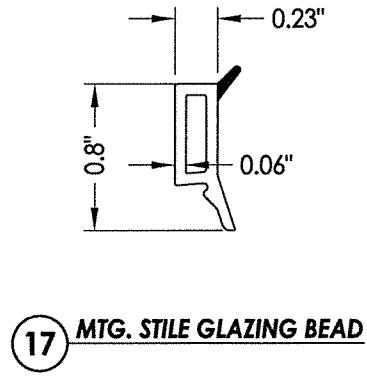
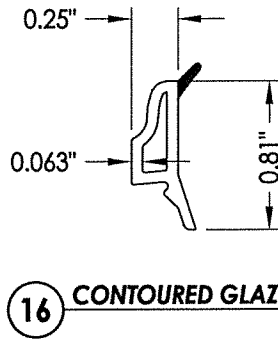
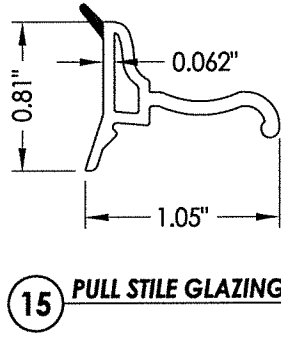
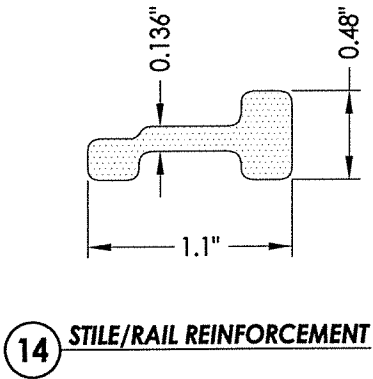
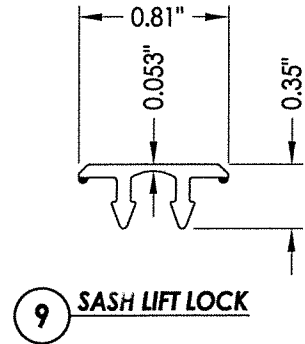
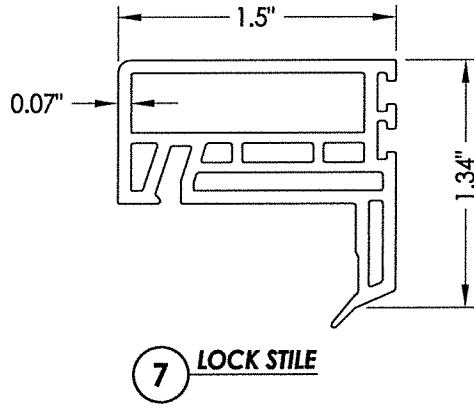
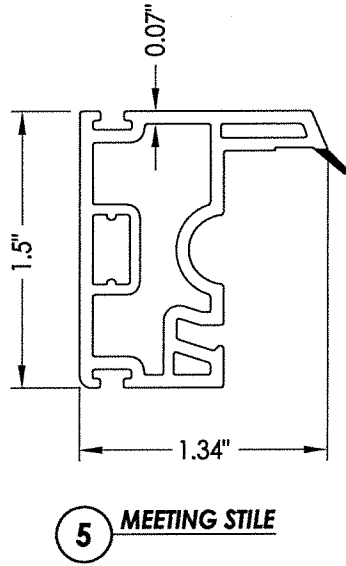
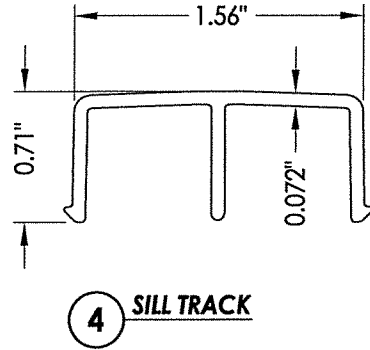
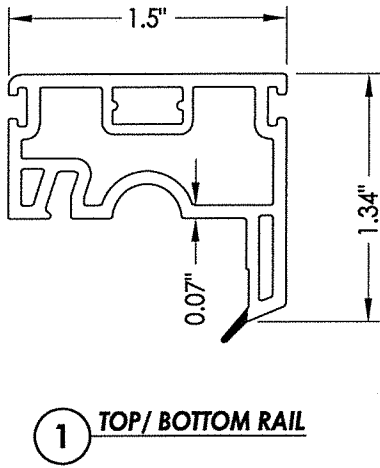
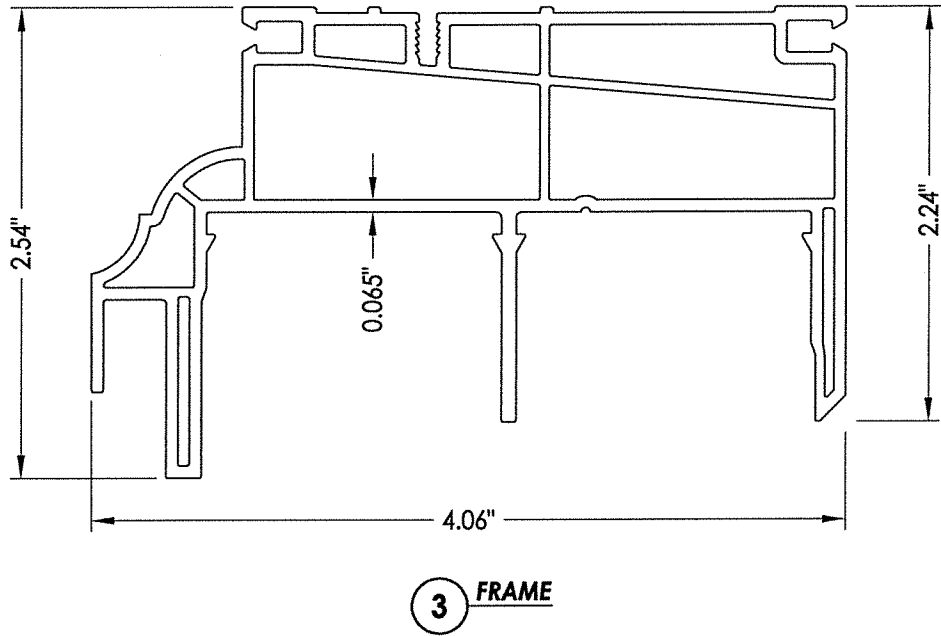
DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.: FL-26909.19

SHEET 3 OF 5

R:\Clients\Sunrise Windows\A - Florida Product Approvals\FL-26909 - Horizontal Slider Window\C - Drawings\FL 26909 (2020)\FL-26909.19.dwg, 4.2

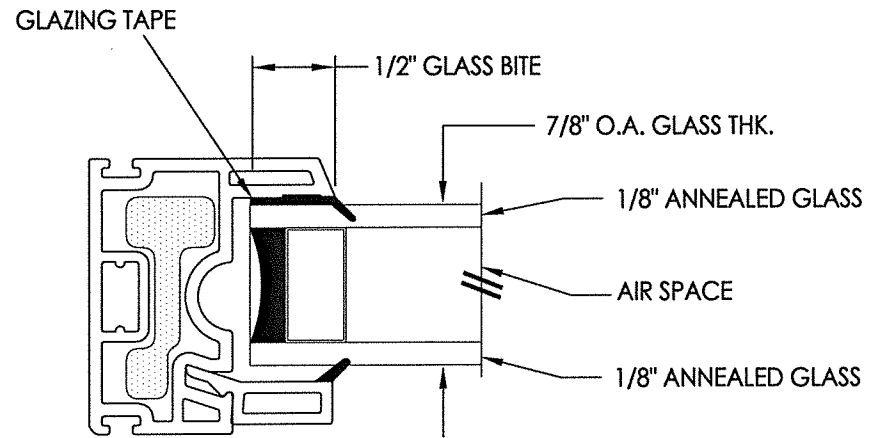


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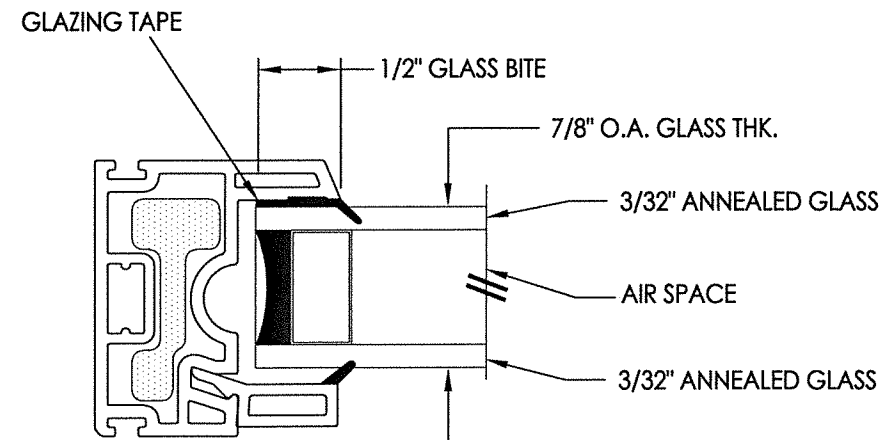
PRODUCT:		SUNRISE WINDOWS	
PART OR ASSEMBLY:		COMPONENTS	
1	7/27/20	UPDATE TO 7TH ED (2020)	FBC
NO.	DATE		

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	MEETING 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".



G1 GLAZING DETAIL



G2 GLAZING DETAIL

