Compozit SERIES

A DIVISION OF SUNRISE WINDOWS, LTD.

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).

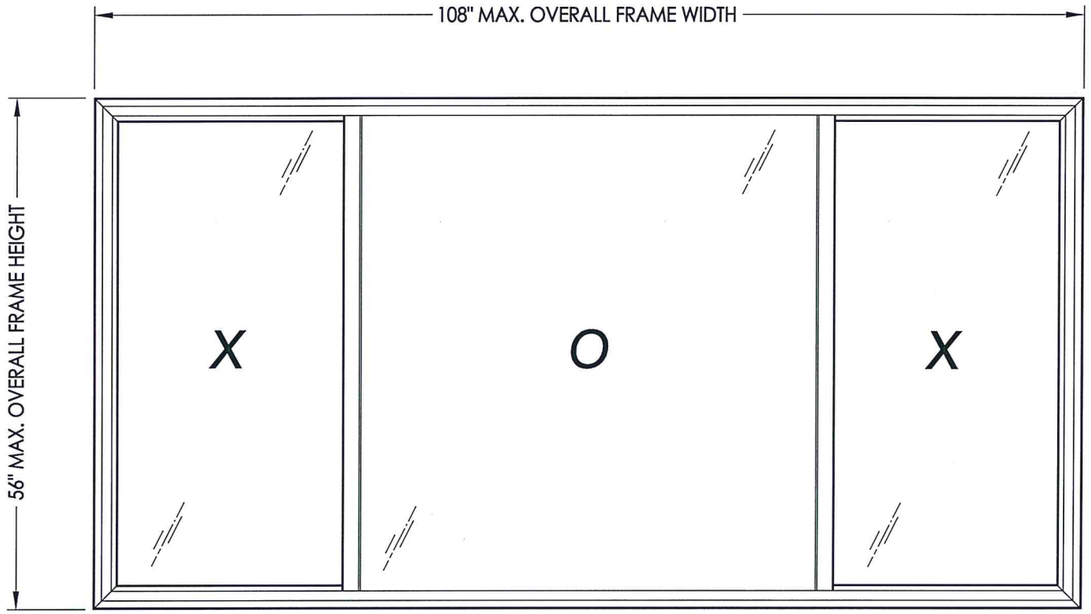
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.

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 (OPERABLE)	MAX DAY LITE DIMENSION (FIXED)	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POS.	NEG.
108.0" X 56.0"	23.56" X 50.5"	52.13" X 50.63"	G1	+25.0	-40.0
108.0" X 56.0"	23.56" X 50.5"	52.13" X 50.63"	G1	+35.0*	-40.0

* REQUIRES MODIFIED WEEP HOLES (PER MANUFACTURER) FOR POSITIVE DESIGN PRESSURES > 25 PSF.

L.F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER

July 28, 2020

Documents Prepared By:
Lyndon F. Schmidt
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FBPE Registry License No. 9813

PRODUCT: SUNRISE WINDOWS

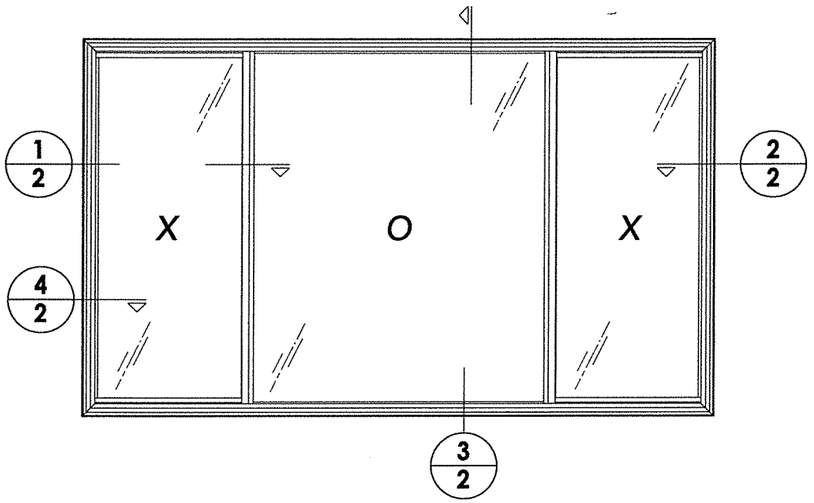
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

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

DATE: 12/5/19
SCALE: N.T.S.
DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.: FL-26909.11
SHEET 1 OF 5

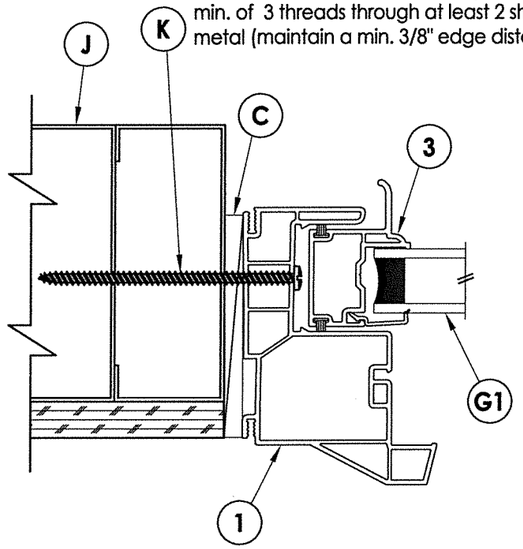
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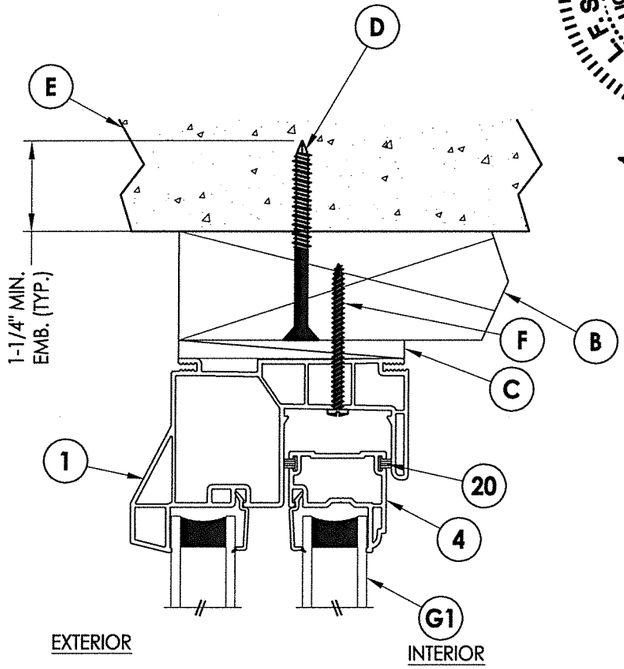


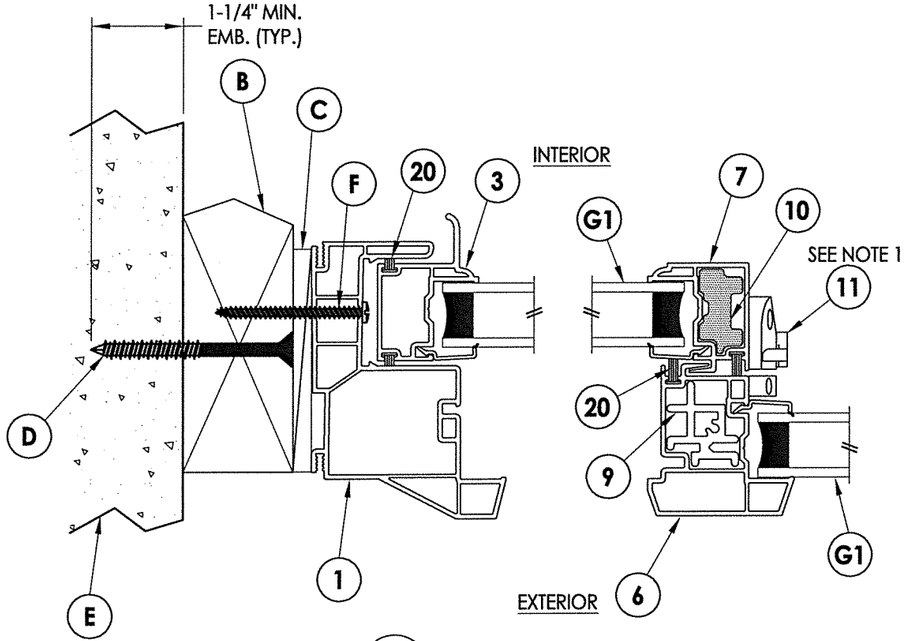
Note:
1. Lock and keeper located 9" from each end of lock/meeting stile.

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).

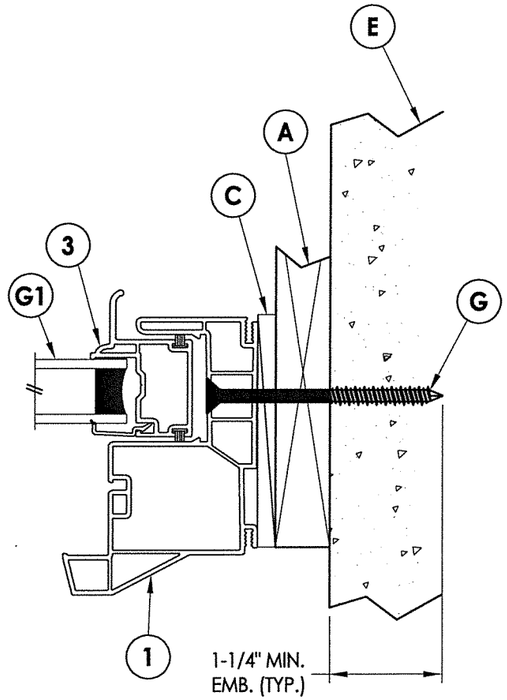


4/2 HORIZONTAL CROSS SECTION
Metal Stud Construction

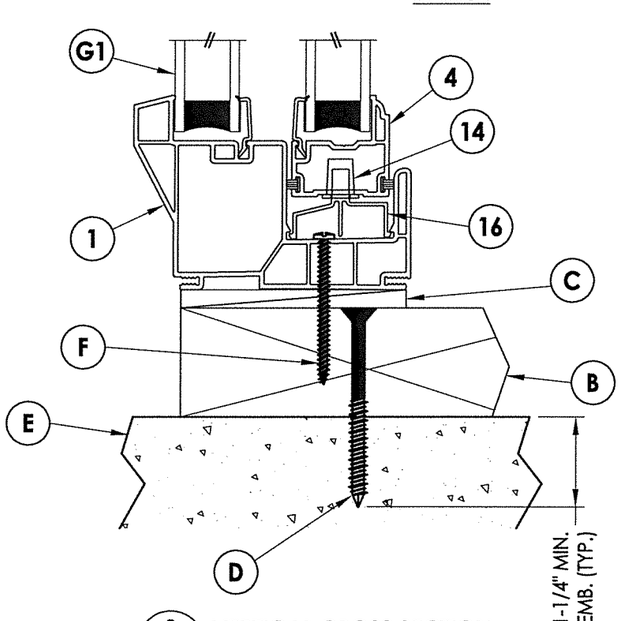




1/2 HORIZONTAL CROSS SECTION
2X Buck Masonry Construction



2/2 HORIZONTAL CROSS SECTION
1X Buck Masonry Construction



3/2 VERTICAL CROSS SECTION
2X Buck Masonry Construction

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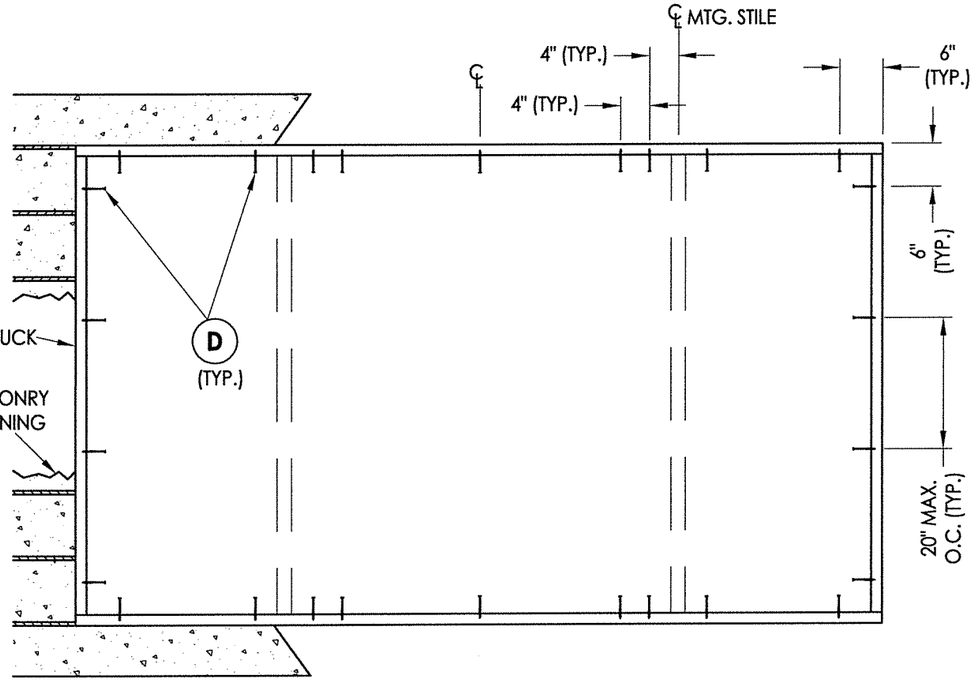
PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS

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

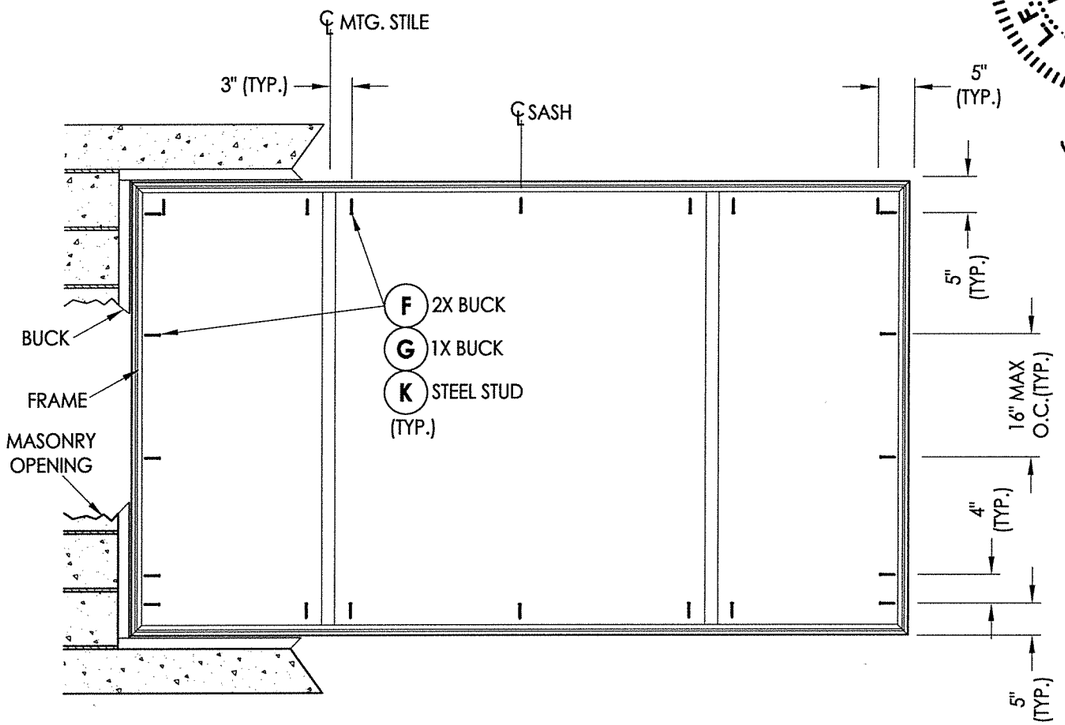
DATE: 12/5/19
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DWG. BY: TRJ
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DRAWING NO.: FL-26909.11
SHEET 2 OF 5

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2X BUCK ANCHORING



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.*

STATE OF FLORIDA PROFESSIONAL ENGINEER
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July 28, 2020

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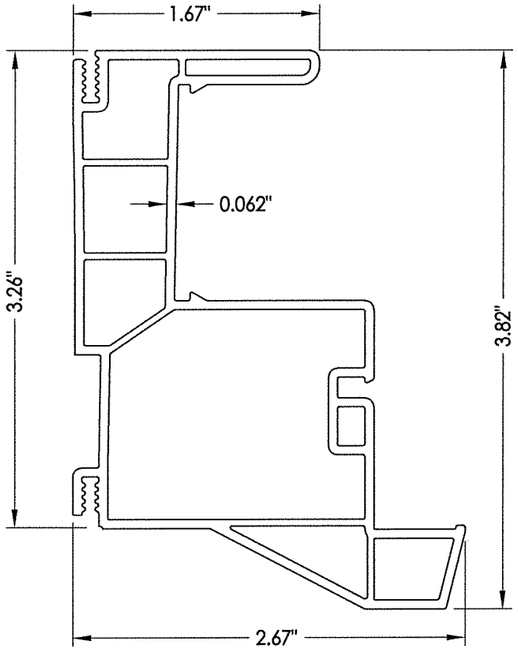
PART OR ASSEMBLY: BUCK & FRAME ANCHORING

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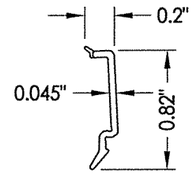
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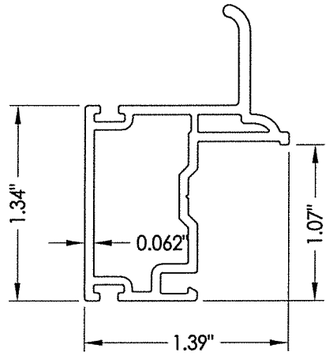
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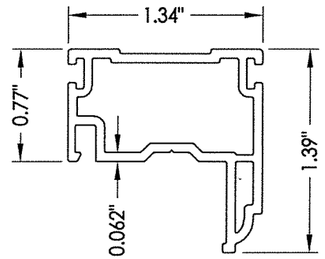
1 **FRAME**



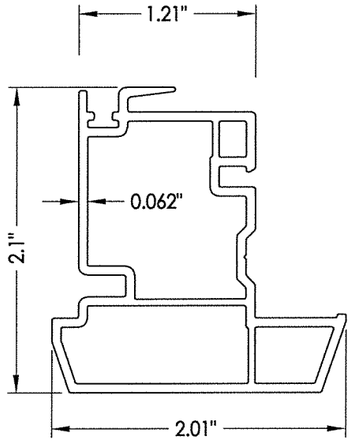
2 **GLAZING BEAD**



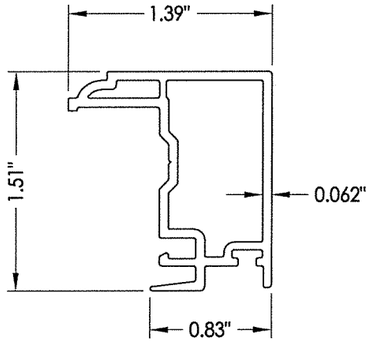
3 **PULL STILE**



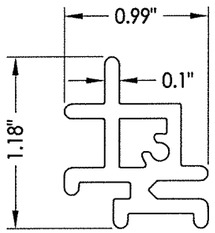
4 **TOP & BOTTOM RAIL**



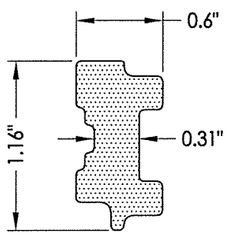
6 **MEETING STILE**



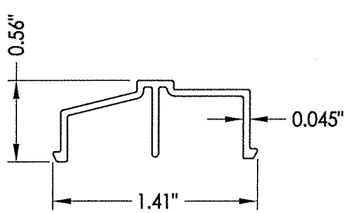
7 **LOCK STILE**



9 **MEETING STILE REINFORCEMENT**



10 **LOCK STILE REINFORCEMENT**



16 **ROLLER TRACK**

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PART OR ASSEMBLY: COMPONENTS

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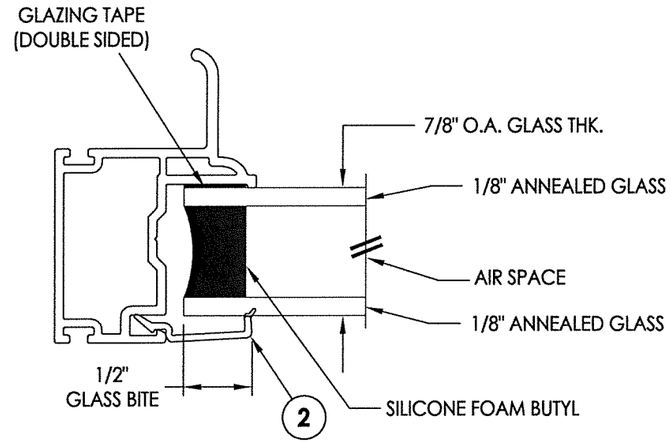
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SHEET 4 OF 5

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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 2-1/2" 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	EXTRUDED VINYL FRAME (784F)*	RIGID PVC
2	EXTRUDED VINYL GLAZING BEAD (716A)*	RIGID PVC
3	EXTRUDED VINYL PULL STILE (915)*	RIGID PVC
4	EXTRUDED VINYL TOP & BOTTOM RAIL (909)*	RIGID PVC
6	EXTRUDED VINYL MEETING STILE (777)*	RIGID PVC
7	EXTRUDED VINYL LOCK STILE (906)*	RIGID PVC
9	MEETING STILE REINFORCEMENT (739)	ALUM
10	LOCK STILE REINFORCEMENT (948)	COMPOSITE
11	SASH LOCK	-
12	KEEPER	-
14	ROLLER	-
16	ROLLER TRACK (747)*	RIGID PVC
20	WEATHERSTRIP	-

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



G1 **GLAZING DETAIL**

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July 28, 2020
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PRODUCT: SUNRISE WINDOWS

PART OR ASSEMBLY: BILL OF MATERIALS AND GLAZING DETAILS

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

DATE: 12/5/19
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