

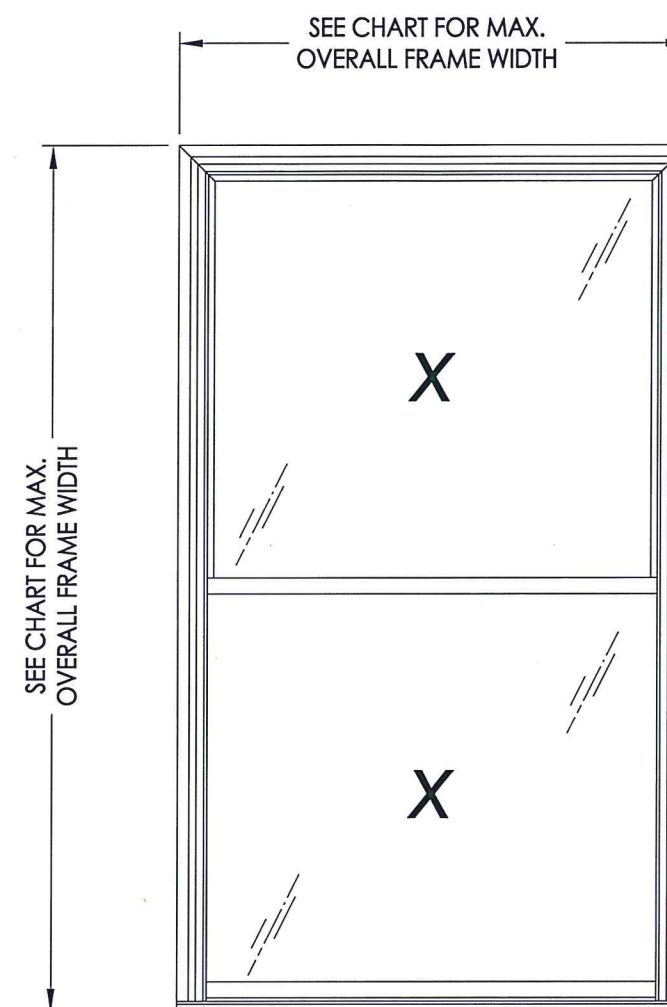
Verde®

"Verde" Series Double Hung Window "NON-IMPACT"

GENERAL NOTES

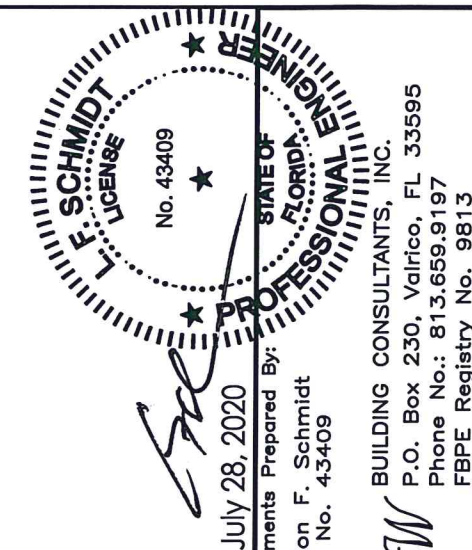
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 cross sections
3	Horizontal cross sections
4	Buck & frame anchoring
5	Components
6	Bill of materials and glazing details



MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF) w/out SILL RISER		DESIGN PRESSURE (PSF) w/ SILL RISER	
			POS.	NEG.	POS.	NEG.
52.75" X 82.75"	46.9" X 38.6"	G1	+20.0	-30.0	+20.0	-30.0
48.0" X 78.0"	42.2" X 36.2"	G2	+20.0	-35.0	+25.0	-35.0
44.0" X 75.0"	38.2" X 34.7"	G2	+20.0	-45.0	+35.0	-45.0
40.0" X 71.0"	34.2" X 32.7"	G2	+20.0	-50.0	+45.0	-50.0
40.0" X 63.0"	34.2" X 28.7"	G2	+20.0	-45.0	+40.0	-45.0

SEE SHEETS 2 & 3 FOR REINFORCEMENT REQUIREMENTS



Documents Prepared By:
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B.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, LTD.
DOUBLE HUNG WINDOW

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

3	7/27/20	UPDATE TO 7TH ED (2020)	FBC	LFS
2	2/10/20	REVISE DESIGN PRESSURE TABLE		LFS
1	10/11/19	REVISE DESIGN PRESSURE TABLE		LFS
NO.	DATE			BY
				REVISIONS

DATE: 8/14/19

SCALE: *N.T.S.*

DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.:

FL-26910.8

SHEET 1 OF 6

penetrate a min. of 3 threads through at least 2 sheets of metal.

SEE NOTE 1

14 2

INTERIOR

3

14

SEE NOTE 1

G1 G2

EXTERIOR

3 HORIZONTAL CROSS SECTION
2 Metal Stud Construction

SEE NOTE 1

14 5

SEE NOTE 1

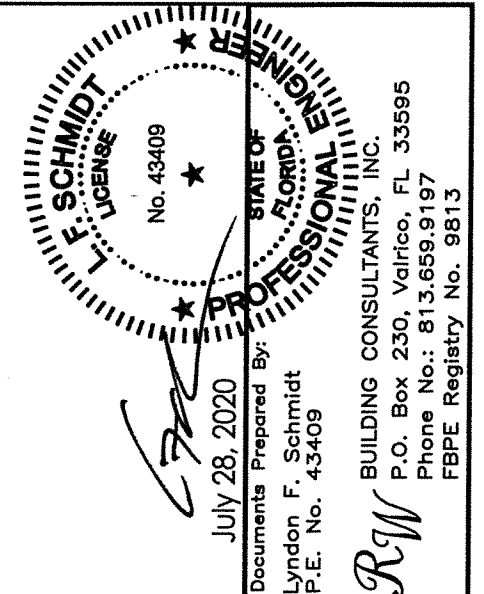
G1 G2 14 3

SEE NOTE 1

1X Buck Masonry Construction

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

2 **HORIZONTAL CROSS SECTION**
2



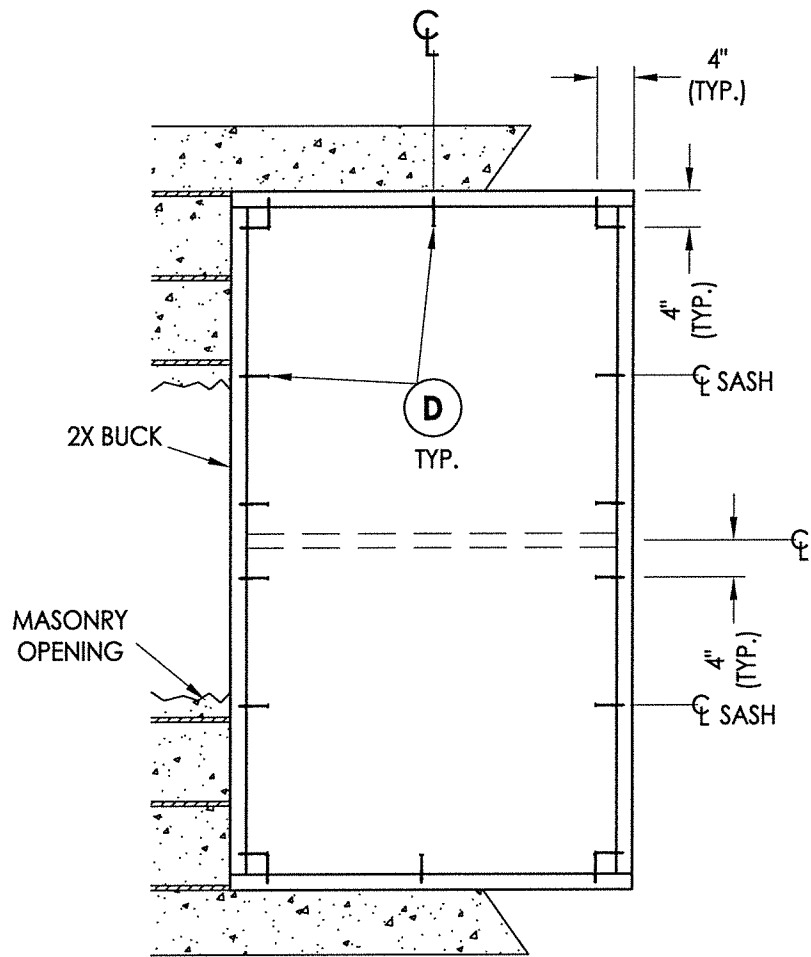
PRODUCT: SUNRISE WINDOWS, LTD.
DOUBLE HUNG WINDOW

PART OR ASSEMBLY: HORIZONTAL
CROSS SECTIONS

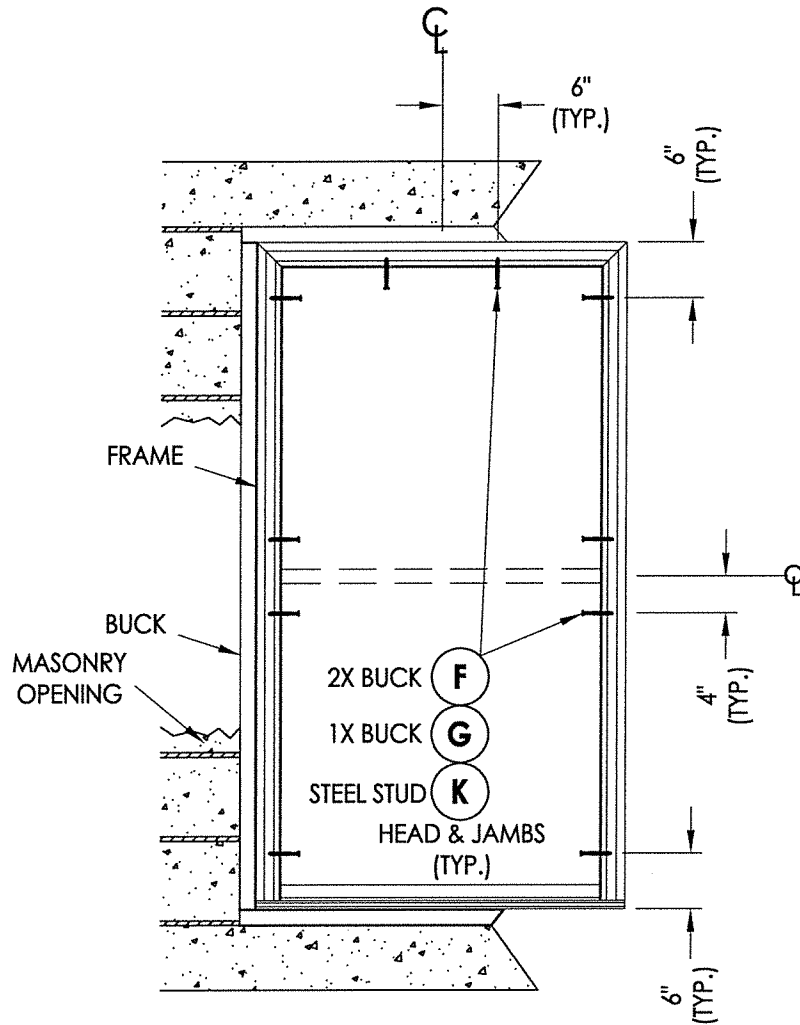
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DATE:	8/14/19
SCALE:	N.T.S.
DWG. BY:	TRJ
CHK. BY:	LFS
DRAWING NO.:	FL-26910.8
SHEET	2 OF 6

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BUCK ANCHORING



FRAME ANCHORING

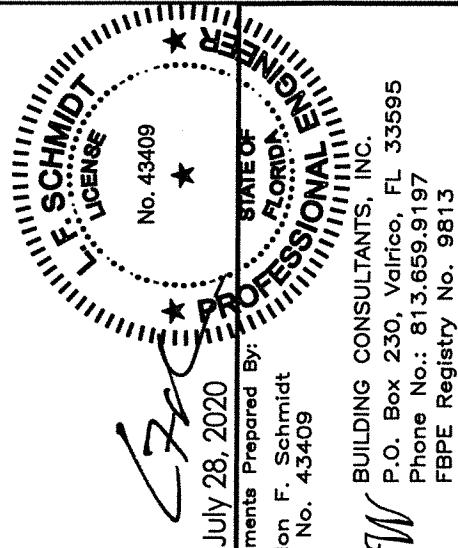
CONCRETE ANCHOR NOTES:

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.



July 28, 2020

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FBPE Registry No. 9813

PRODUCT: SUNRISE WINDOWS, LTD.
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
BUCK & FRAME
ANCHORING

REVISIONS			
NO.	DATE	REVISION	BY
3	7/27/20	UPDATE TO 7TH ED (2020) FBC	LFS
2	2/10/20	REVISE DESIGN PRESSURE TABLE	LFS
1	10/11/19	REVISE DESIGN PRESSURE TABLE	LFS

DATE: 8/14/19

SCALE: N.T.S.

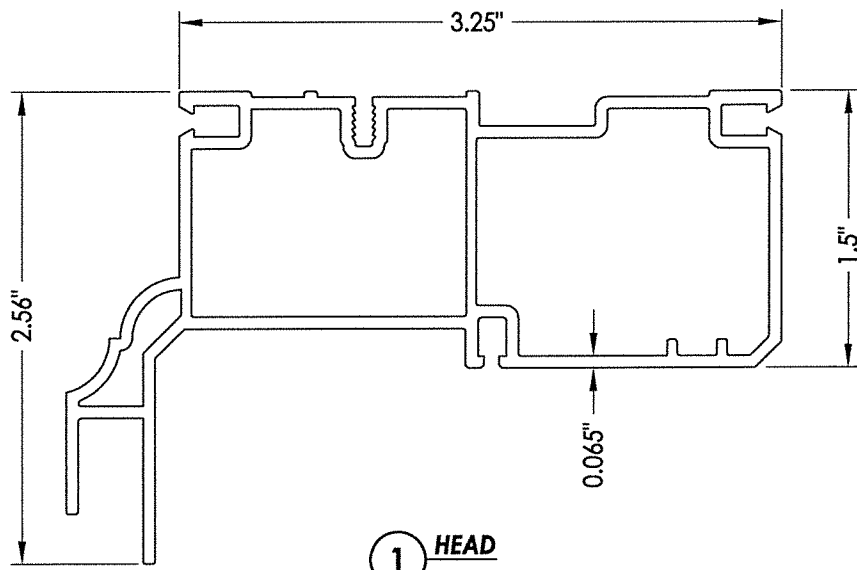
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CHK. BY: LFS

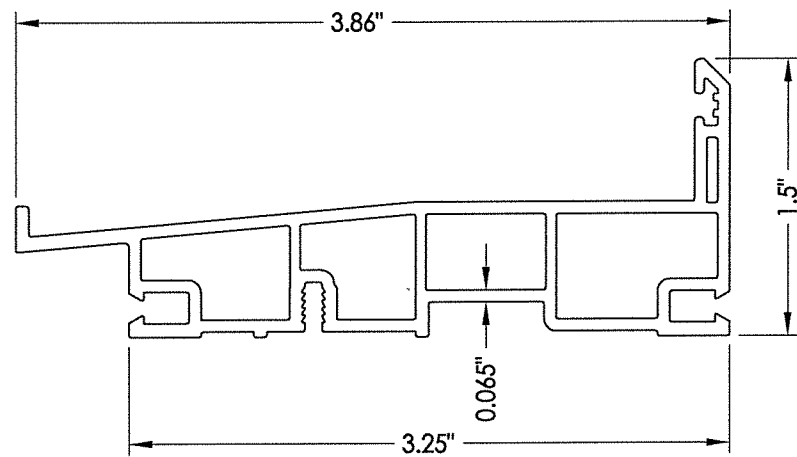
DRAWING NO.:

FL-26910.8

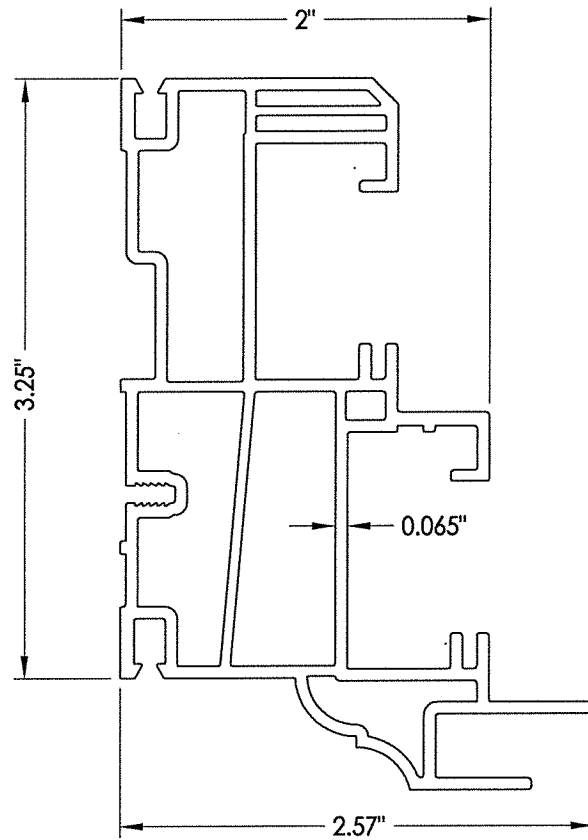
SHEET 4 OF 6



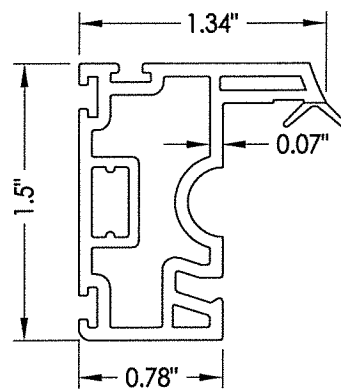
1 HEAD



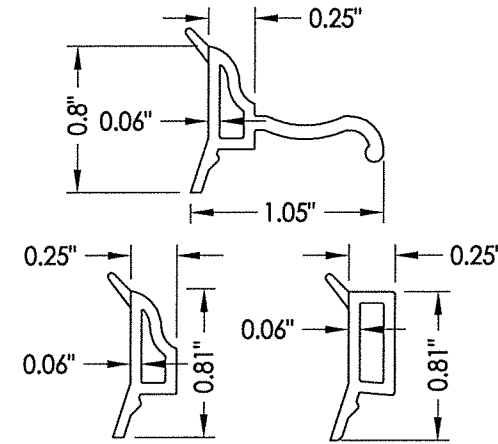
4 SILL



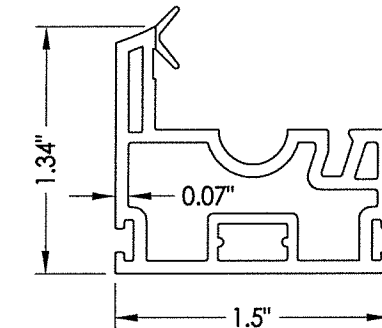
3 JAMB



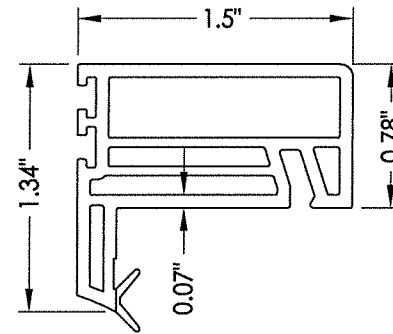
5 STILE/RAIL



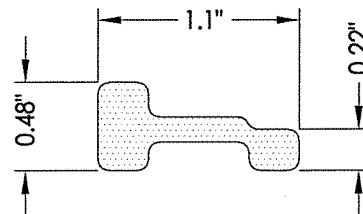
2 GLAZING BEADS



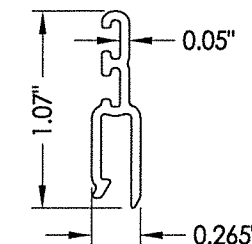
6 KEEPER RAIL



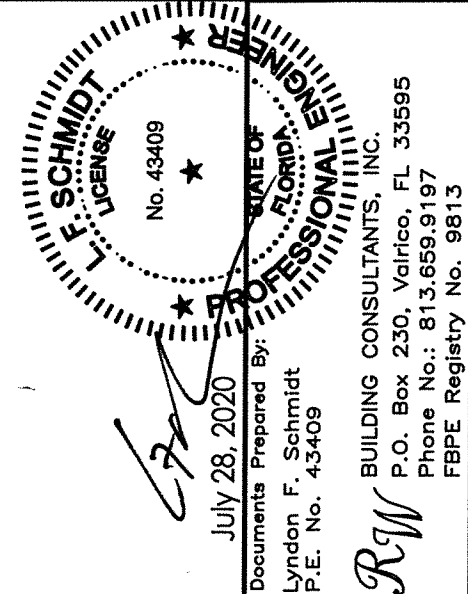
7 LOCK RAIL



14 REINFORCEMENT



19 SILL RISER

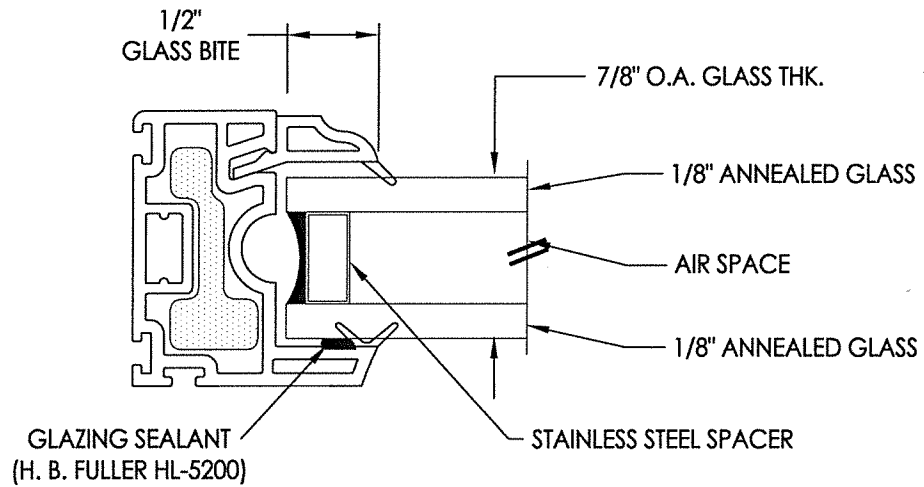


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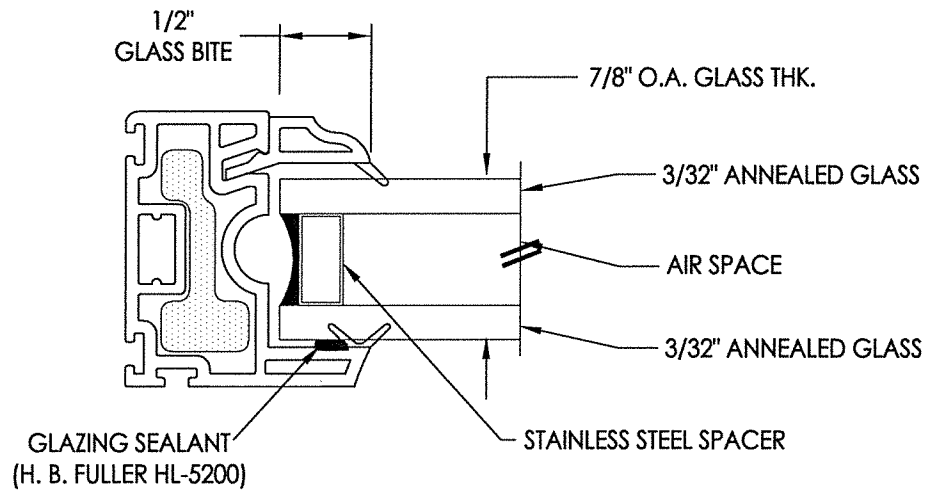
PRODUCT:		SUNRISE WINDOWS, LTD. DOUBLE HUNG WINDOW	
PART OR ASSEMBLY:		COMPONENTS	
DATE:		3	7/27/20
SCALE:		2	2/10/20
DWG. BY:		1	10/11/19
CHK. BY:		NO	DATE
DRAWING NO.:		REVISIONS	
SHEET		BY	
5		LFS	
OF		LFS	
6		LFS	

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X STUD (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	#8 X 2" MODIFIED TRUSS HEAD (7/16"Ø HEAD) SMS (1-1/2" MIN. EMBEDMENT)	STEEL
G	1/4" X 2-3/4" HWH 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 MODIFIED TRUSS HEAD 7/16"Ø HEAD) SELF-DRILLING SMS	STEEL
1	HEAD (2750)*	RIGID PVC
2	GLAZING BEADS *	RIGID PVC
3	JAMB (2749)*	RIGID PVC
4	SILL (2751)*	RIGID PVC
5	STILE/RAIL (2757)*	RIGID PVC
6	KEEPER RAIL (2759)*	RIGID PVC
7	LOCK RAIL (3198)*	RIGID PVC
10	WEATHERSTRIP	-
11	SASH LOCK (ASHLAND #2004655)	-
12	KEEPER (ASHLAND #2004662)	-
14	REINFORCEMENT (3301)	FIBERGLASS
19	SILL RISER*	RIGID PVC
24	BULB GASKET	FOAM

* 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

		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		R.W.	
PRODUCT: SUNRISE WINDOWS, LTD. DOUBLE HUNG WINDOW		PART OR ASSEMBLY: BILL OF MATERIALS AND GLAZING DETAILS	
DATE: 8/14/19		SCALE: N.T.S.	
DWG. BY: TRJ		CHK. BY: LFS	
DRAWING NO.: FL-26910.8		SHEET 6 OF 6	
REVISIONS		© 2019 R.W. BUILDING CONSULTANTS INC.	