

SUNRISE®
WINDOWS & DOORS

The Difference is Clear!™

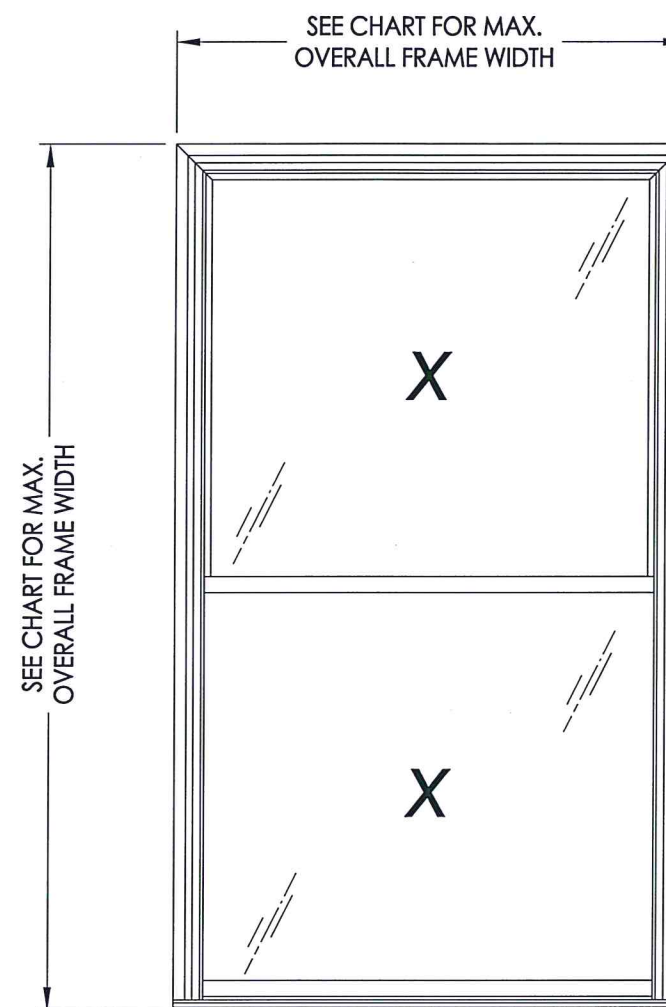
"Sunrise" Series Double Hung Window "NON-IMPACT"

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.

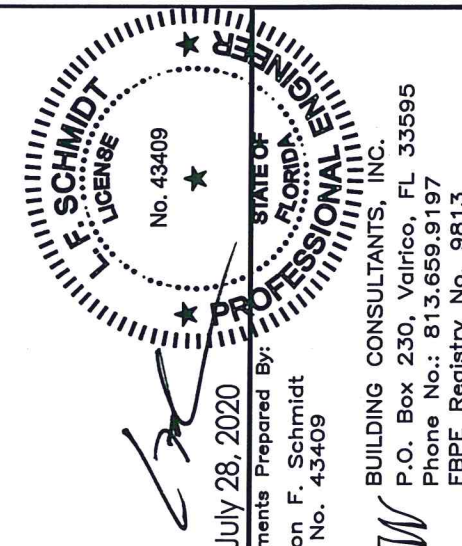
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MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF) w/out SILL RISER		DESIGN PRESSURE (PSF) w/ SILL RISER	
			POS.	NEG.	POS.	NEG.
52.75" X 82.75"	46.9" X 38.6"	G1	+20.0	-30.0	+20.0	-30.0
48.0" X 78.0"	42.2" X 36.2"	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



July 28, 2020

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RW
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

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

DATE: 8/14/19

SCALE: N.T.S.

DWG. BY: TRJ

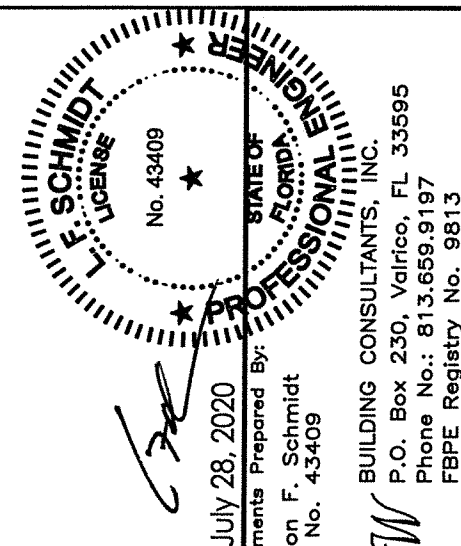
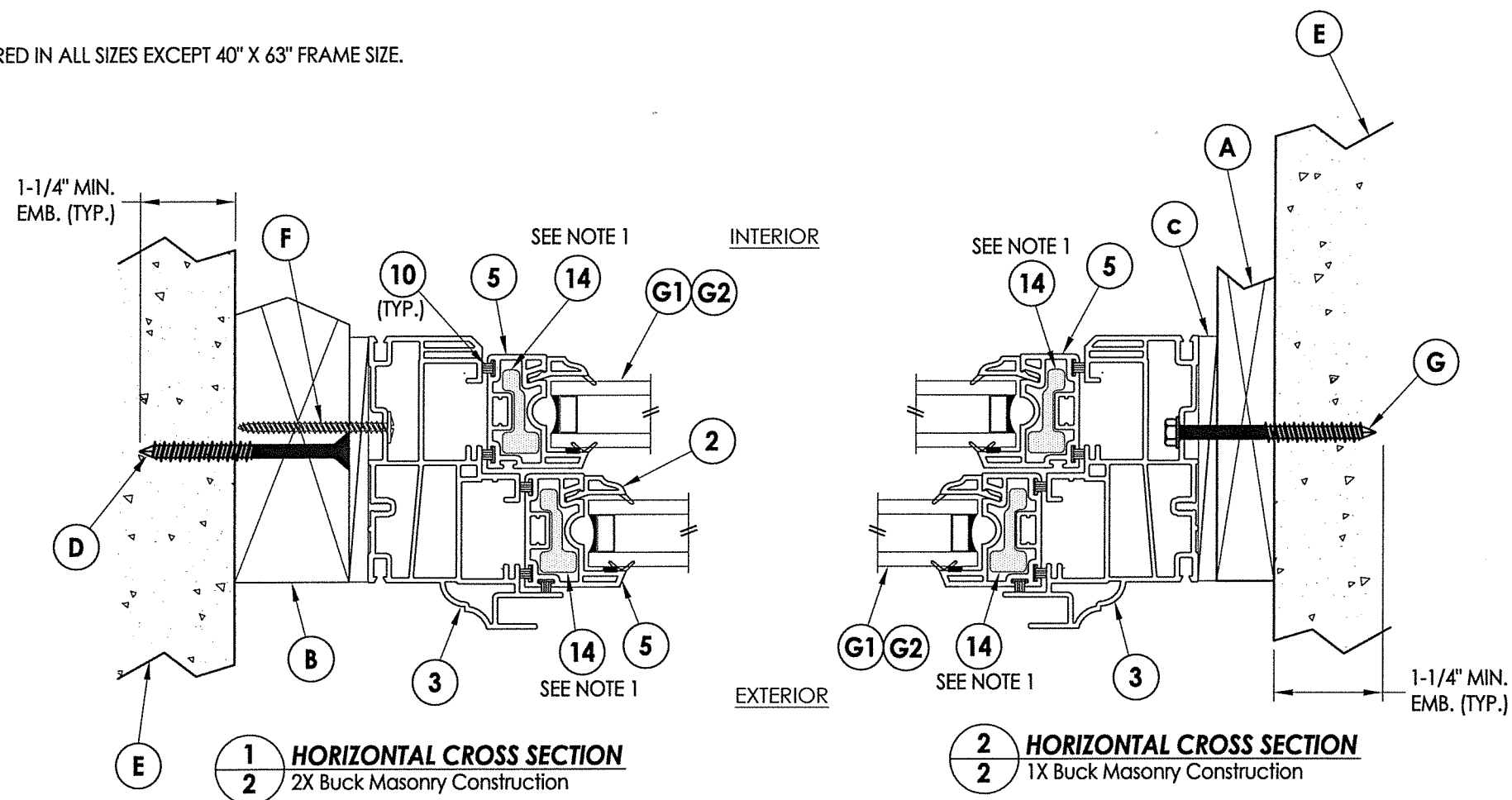
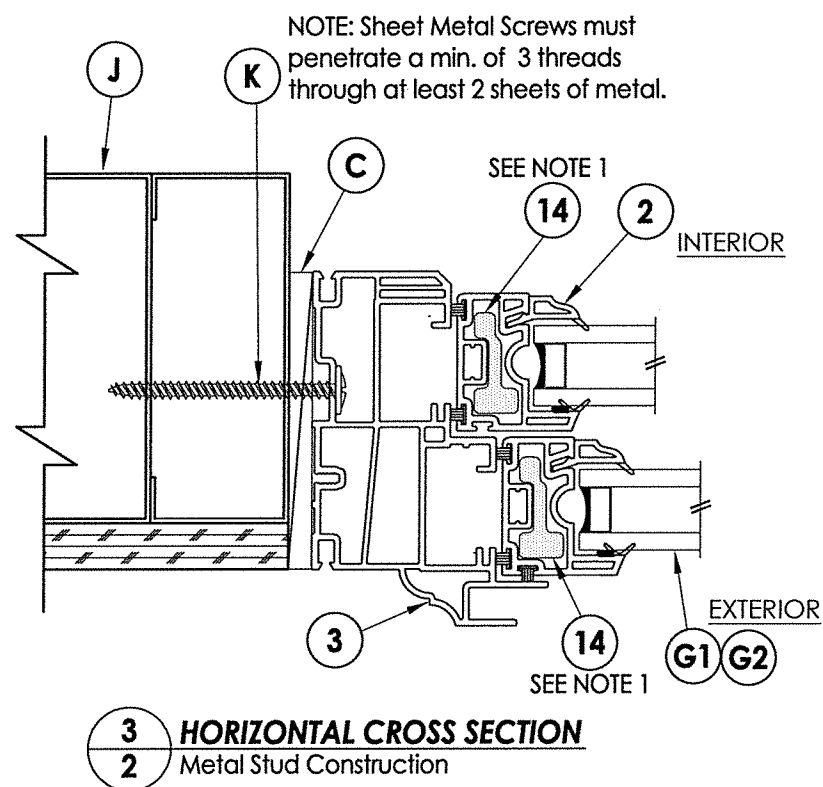
CHK. BY: LFS

DRAWING NO.:

FL-26910.7

SHEET 1 OF 6

1. SASH STILE REINFORCEMENT REQUIRED IN ALL SIZES EXCEPT 40" X 63" FRAME SIZE.



July 28, 2020

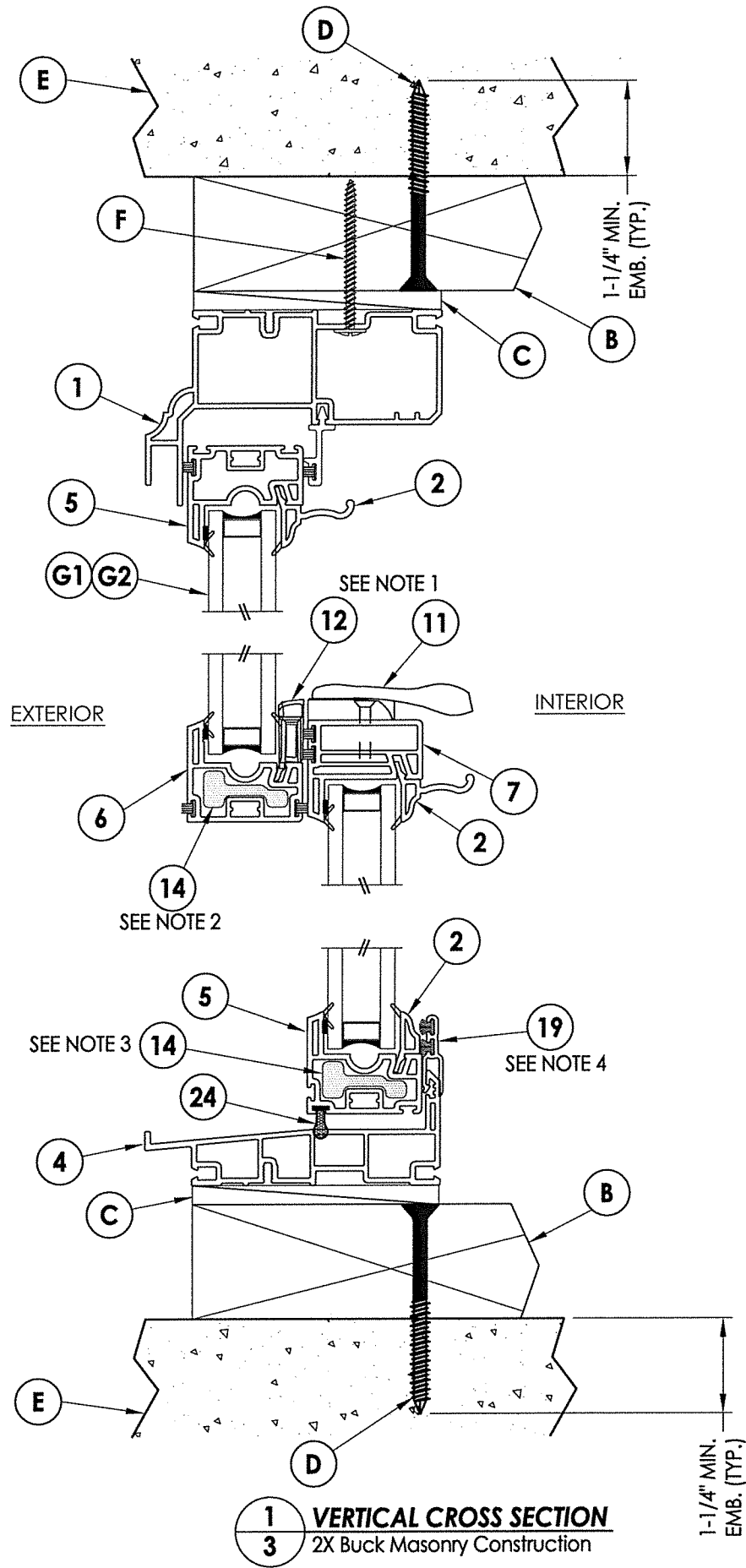
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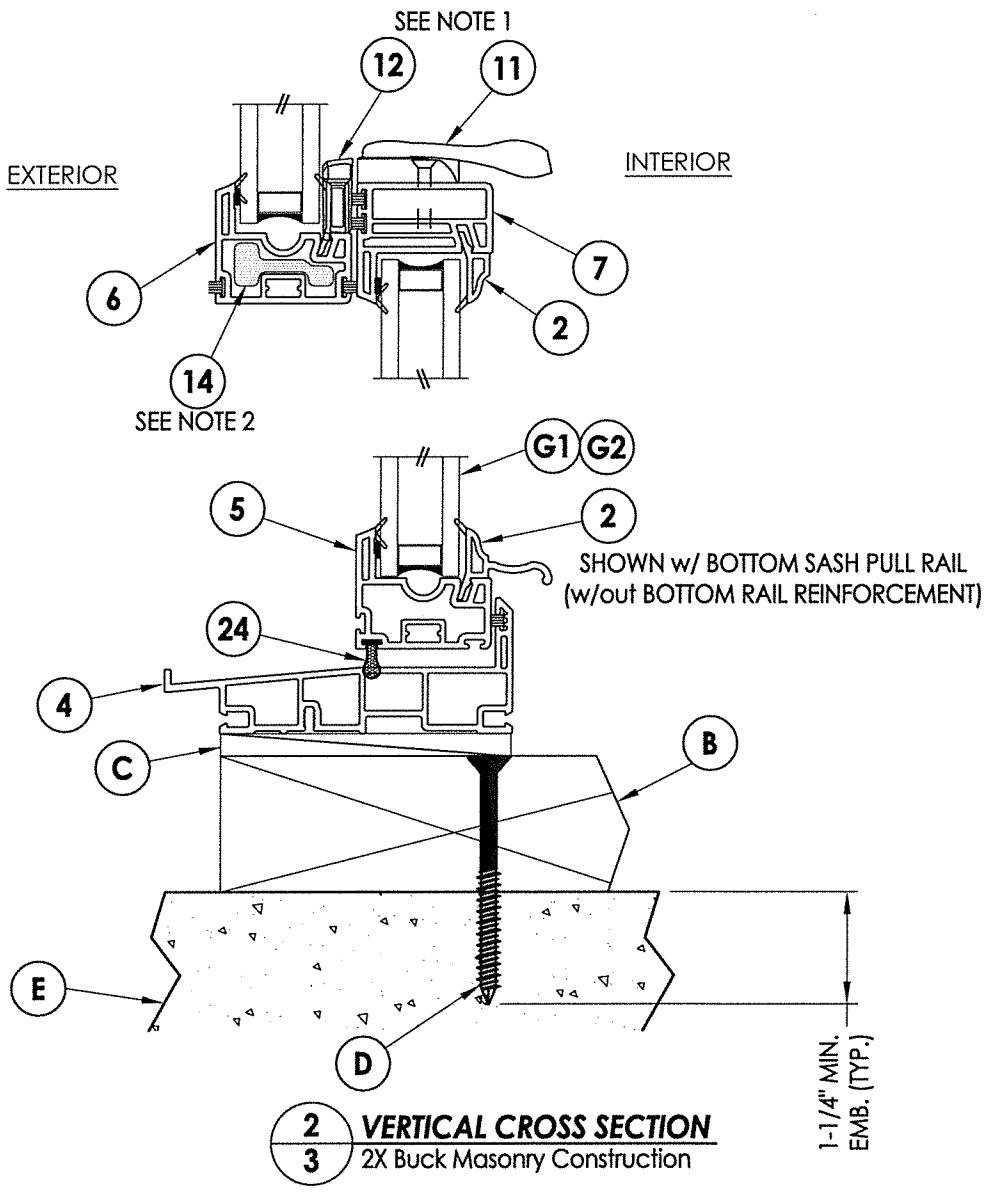
PRODUCT: SUNRISE WINDOWS, LTD.
DOUBLE HUNG WINDOW

ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

[illegible]



- NOTES:
1. LOCK & KEEPER LOCATED 8-1/2" FROM EACH END OF LOCK/MEETING RAIL.
 2. LOCK RAIL REINFORCEMENT REQUIRED IN ALL SIZES EXCEPT 40" X 63" FRAME SIZE.
 3. BOTTOM RAIL REINFORCEMENT REQUIRED IN ALL SIZES EXCEPT 40" X 71" & 40" X 63" FRAME SIZES.
 4. SILL RISER REQUIRED FOR ALL POSITIVE DESIGN PRESSURES > 20 PSF.



LE SCHMIDT
LICENSE
No. 43409

STATE OF
FLORIDA
PROFESSIONAL
ENGINEER

July 28, 2020

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R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairco, FL 33595
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FBPE Registry No. 9813

PRODUCT:	SUNRISE WINDOWS, LTD. DOUBLE HUNG WINDOW	
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS	
NO.	DATE	REVISIONS
3	7/27/20	UPDATE TO 7TH ED (2020) FBC
2	2/10/20	REVISE DESIGN PRESSURE TABLE
1	10/11/19	REVISE DESIGN PRESSURE TABLE
		BY

DATE: 8/14/19

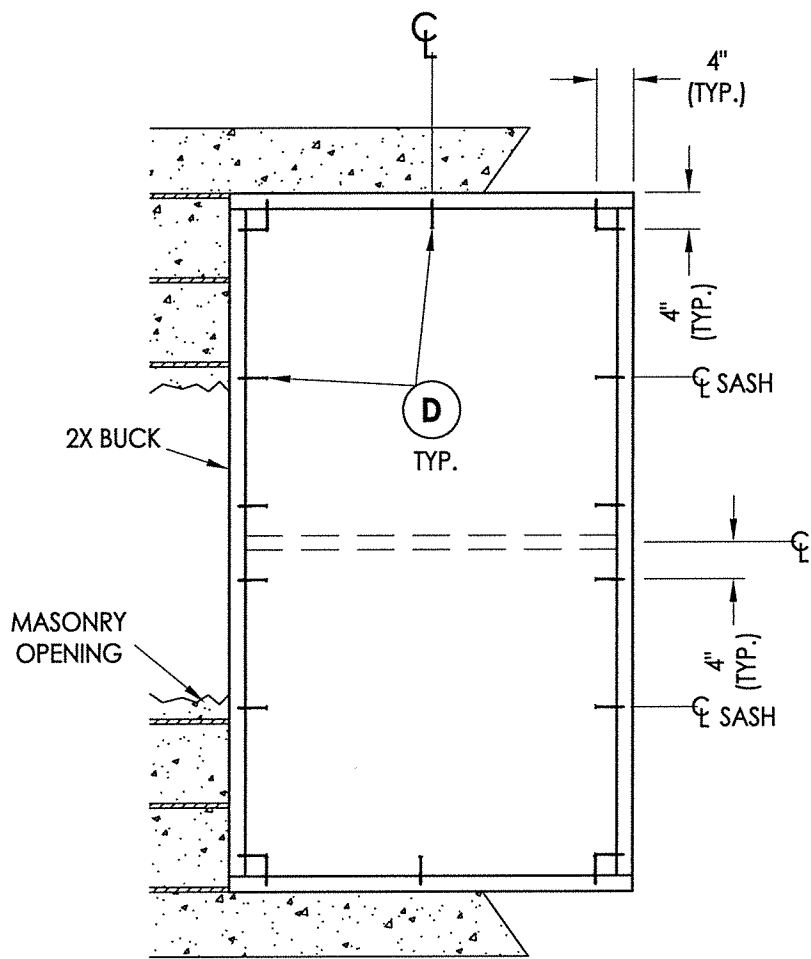
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DWG. BY: TRJ

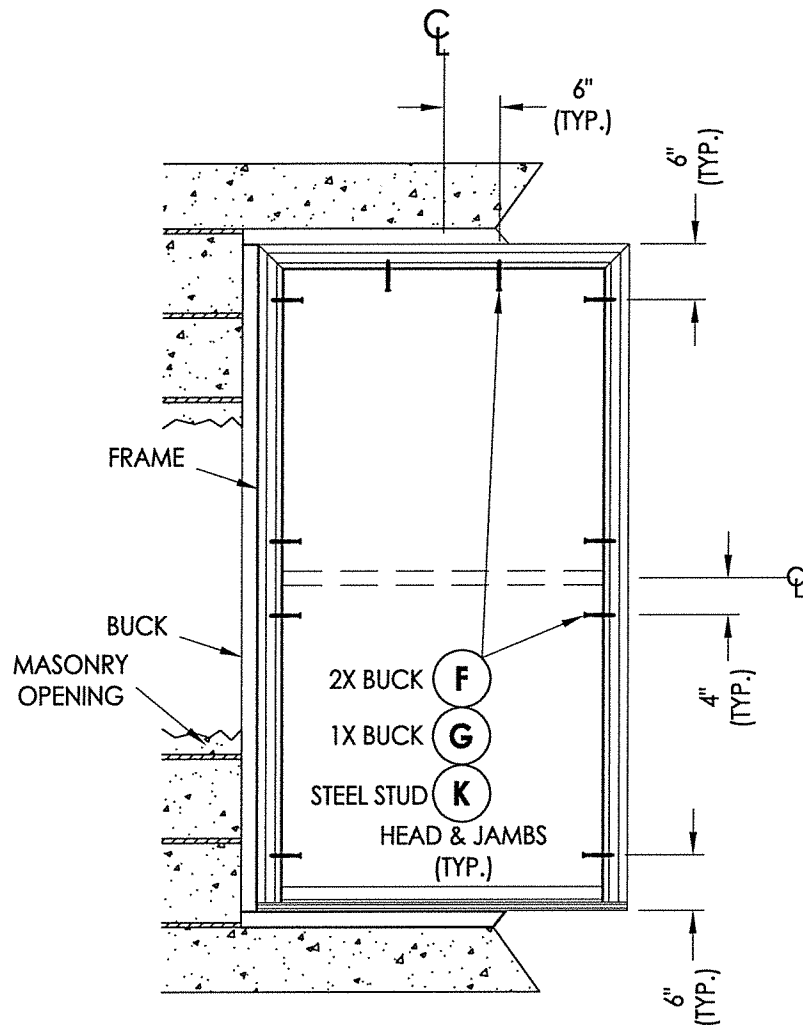
CHK. BY: LFS

DRAWING NO.: FL-26910.7

SHEET 3 OF 6



BUCK ANCHORING



FRAME ANCHORING

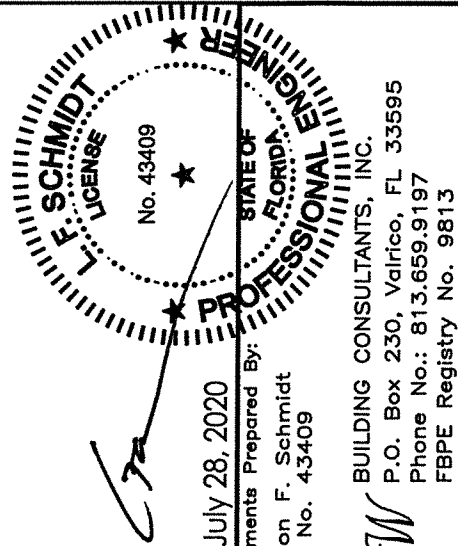
CONCRETE ANCHOR NOTES:

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.



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PRODUCT:
SUNRISE WINDOWS, LTD.
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
BUCK & FRAME
ANCHORING

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

DATE: 8/14/19

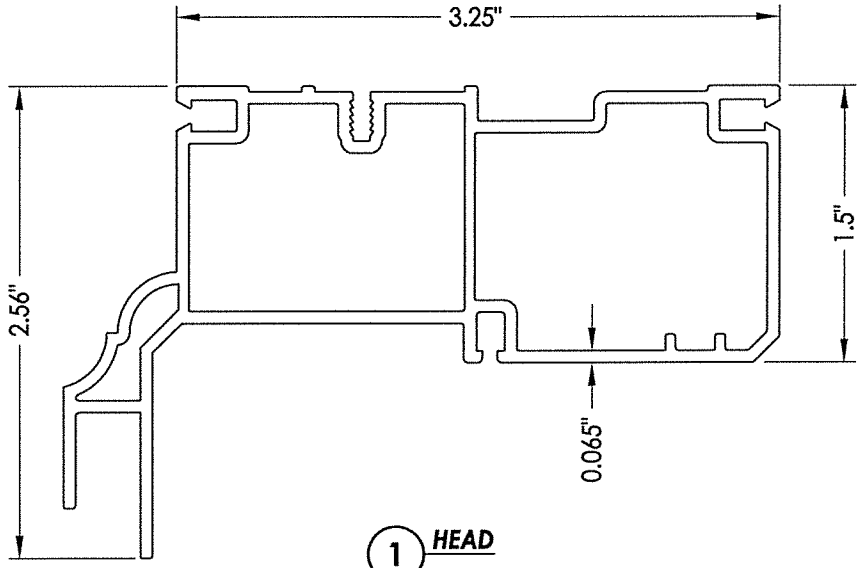
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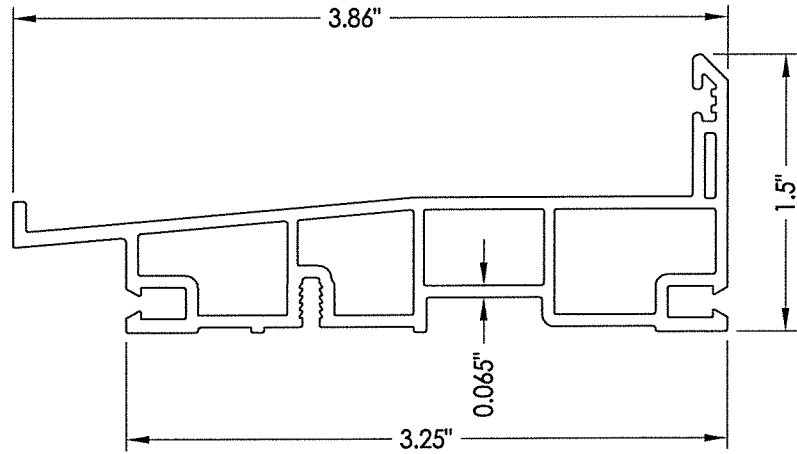
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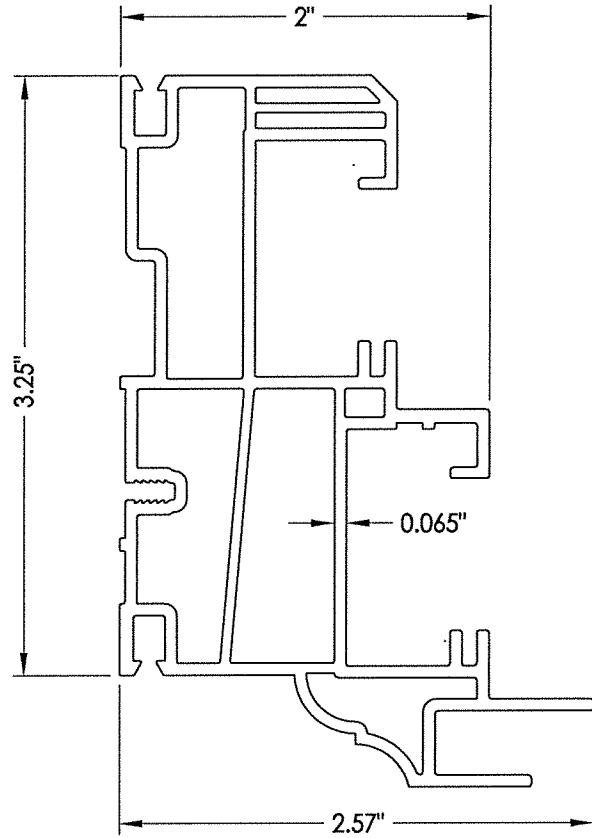
SHEET 4 OF 6



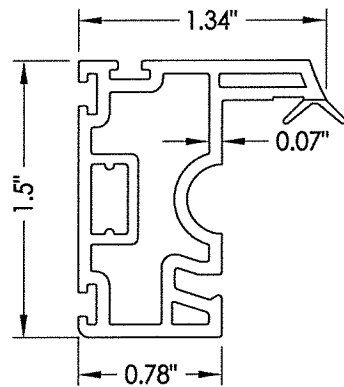
1 HEAD



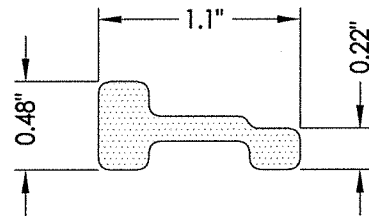
4 SILL



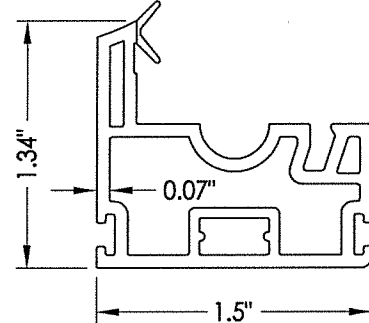
3 JAMB



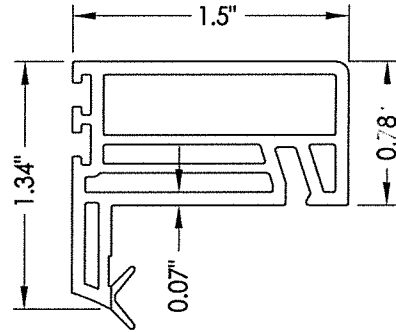
5 STILE/RAIL



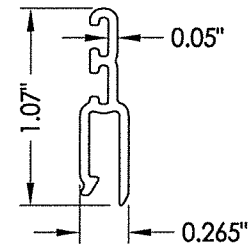
14 REINFORCEMENT



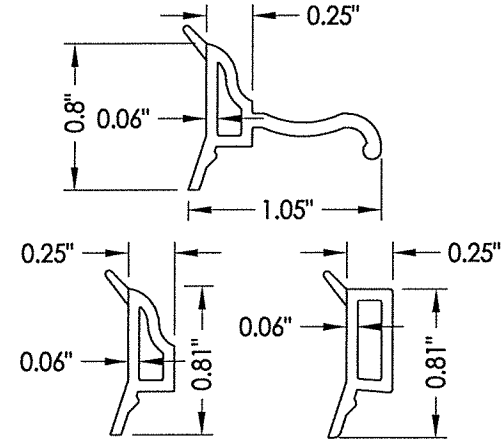
6 KEEPER RAIL



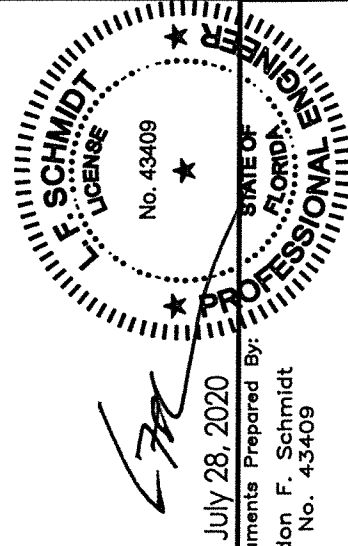
7 LOCK RAIL



19 SILL RISER



2 GLAZING BEADS



July 28, 2020

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PRODUCT:
SUNRISE WINDOWS, LTD.
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
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
		BY

DATE: 8/14/19

SCALE: N.T.S.

DWG. BY: TRJ

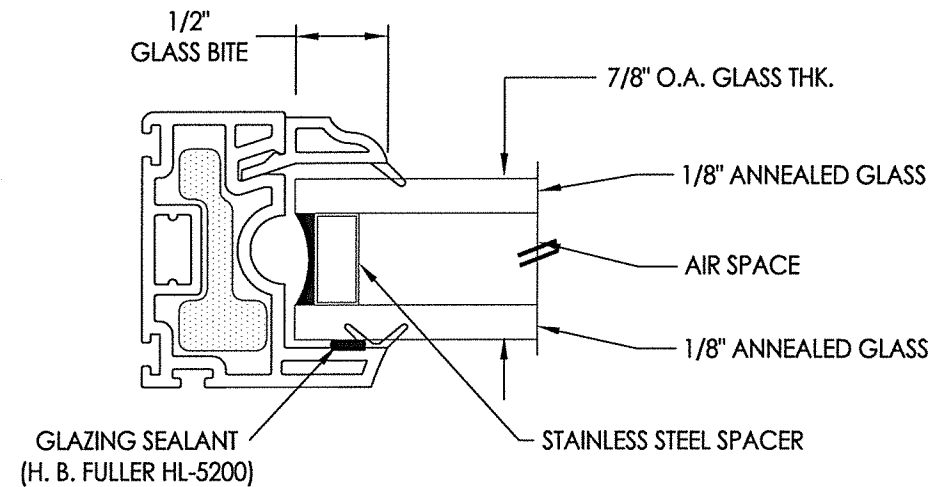
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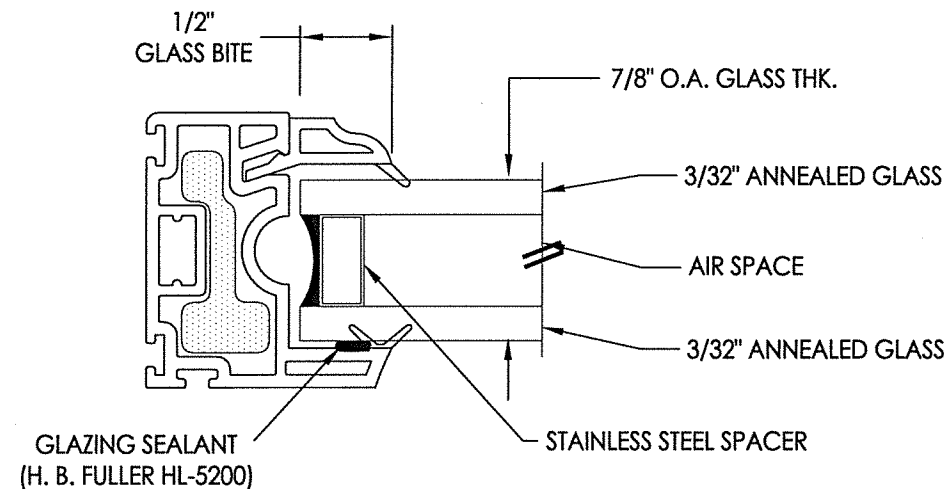
SHEET 5 OF 6

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

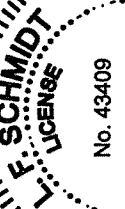
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



G1 GLAZING DETAIL



G2 GLAZING DETAIL


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STATE OF FLORIDA
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July 28, 2020

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FBPE Registry No. 9813

PRODUCT:	SUNRISE WINDOWS, LTD. DOUBLE HUNG WINDOW
PART OR ASSEMBLY:	BILL OF MATERIALS AND GLAZING DETAILS

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		
N.O.	DATE			BY	
REVISIONS					

DATE:	8/14/19
SCALE:	N.T.S.
DWG. BY:	TRJ
CHK. BY:	LFS
DRAWING NO.:	FL-26910.7
SHEET	6 OF 6