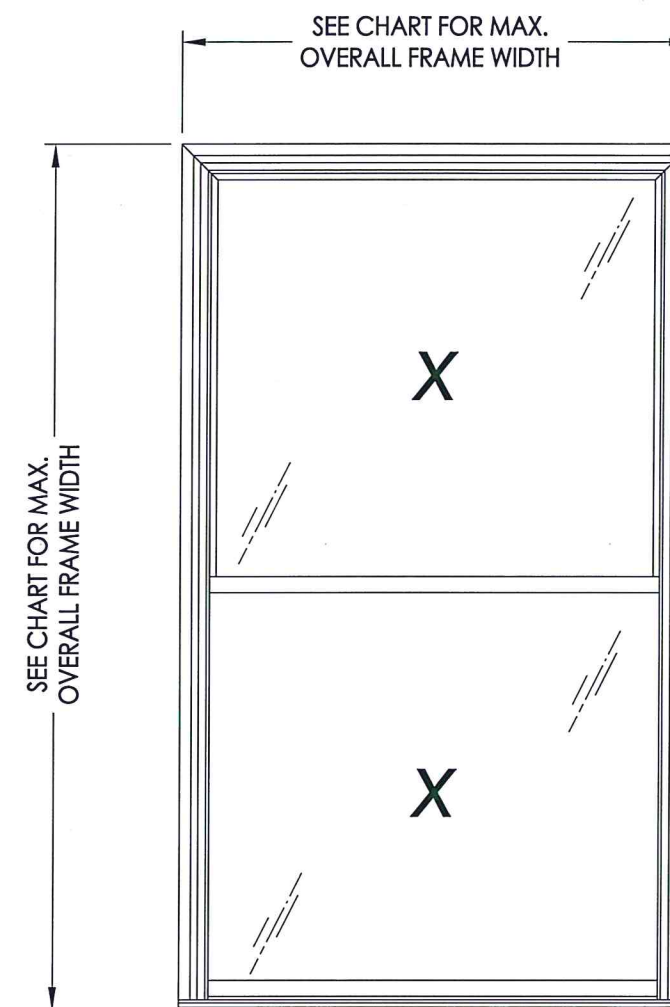


GENERAL NOTES

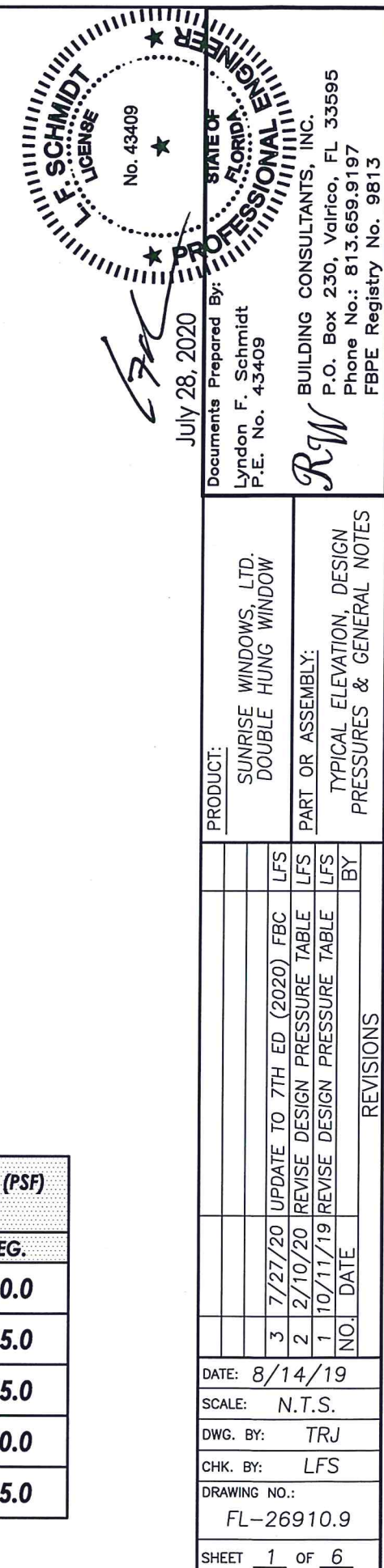
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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.

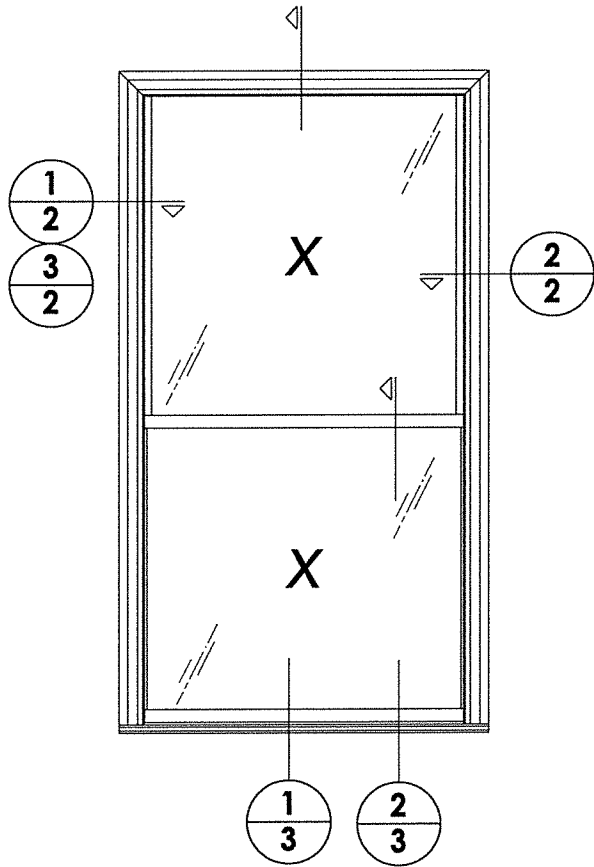
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Vertical cross sections
3	Horizontal cross sections
4	Buck & frame anchoring
5	Components
6	Bill of materials and glazing details



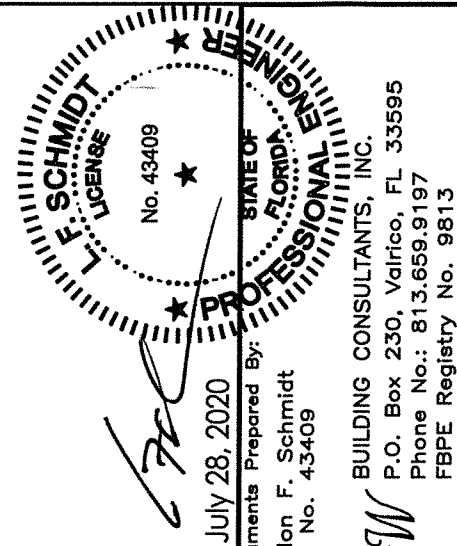
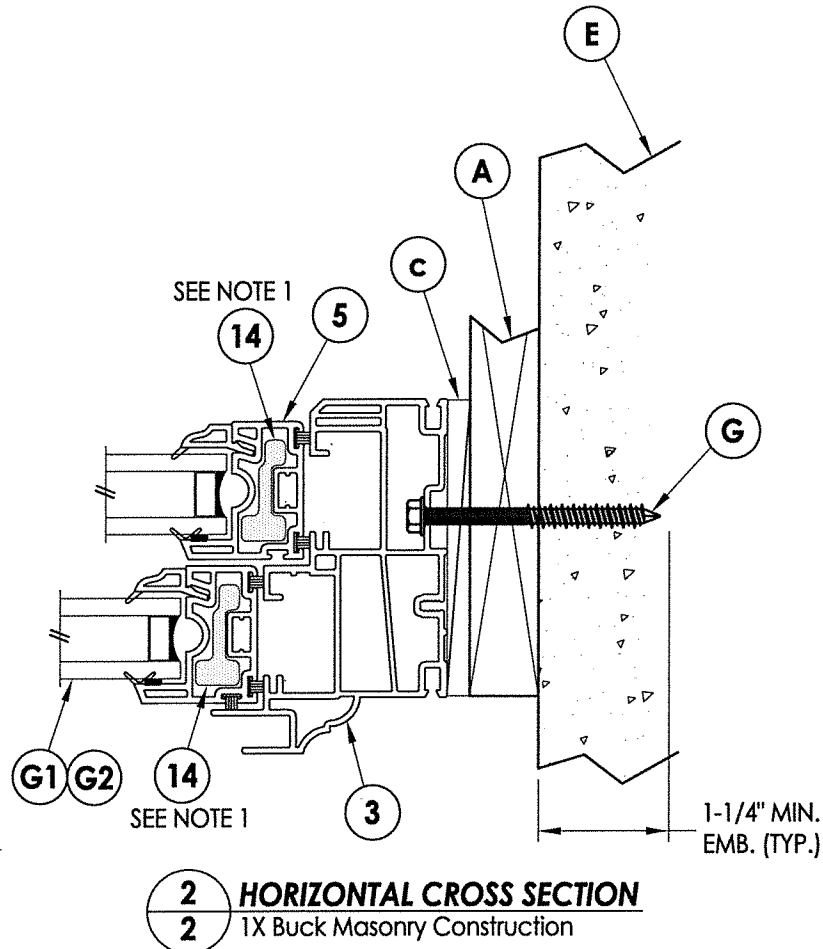
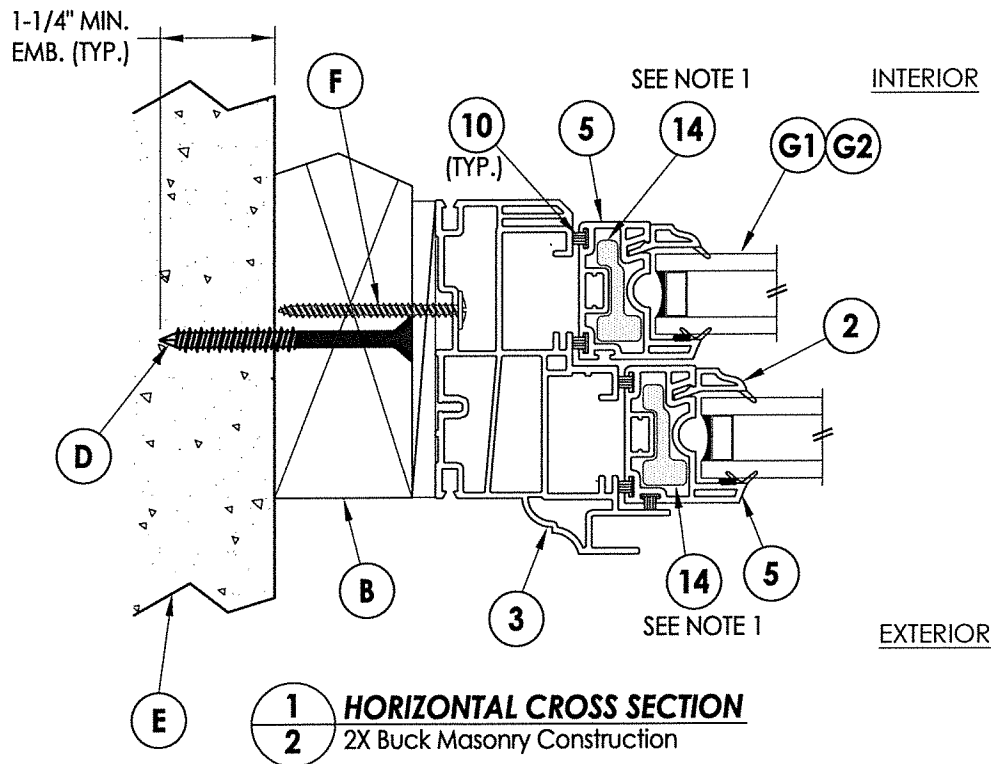
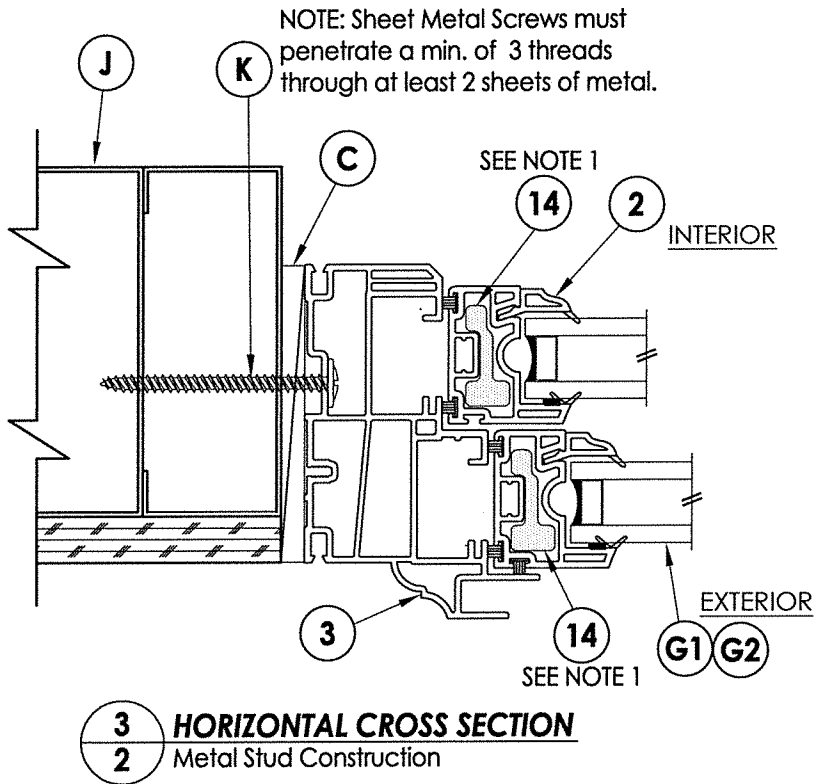
MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF) w/out SILL RISER		DESIGN PRESSURE (PSF) w/ SILL RISER	
			POS.	NEG.	POS.	NEG.
52.75" X 82.75"	46.9" X 38.6"	G1	+20.0	-30.0	+20.0	-30.0
48.0" X 78.0"	42.2" X 36.2"	G2	+20.0	-35.0	+25.0	-35.0
44.0" X 75.0"	38.2" X 34.7"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





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



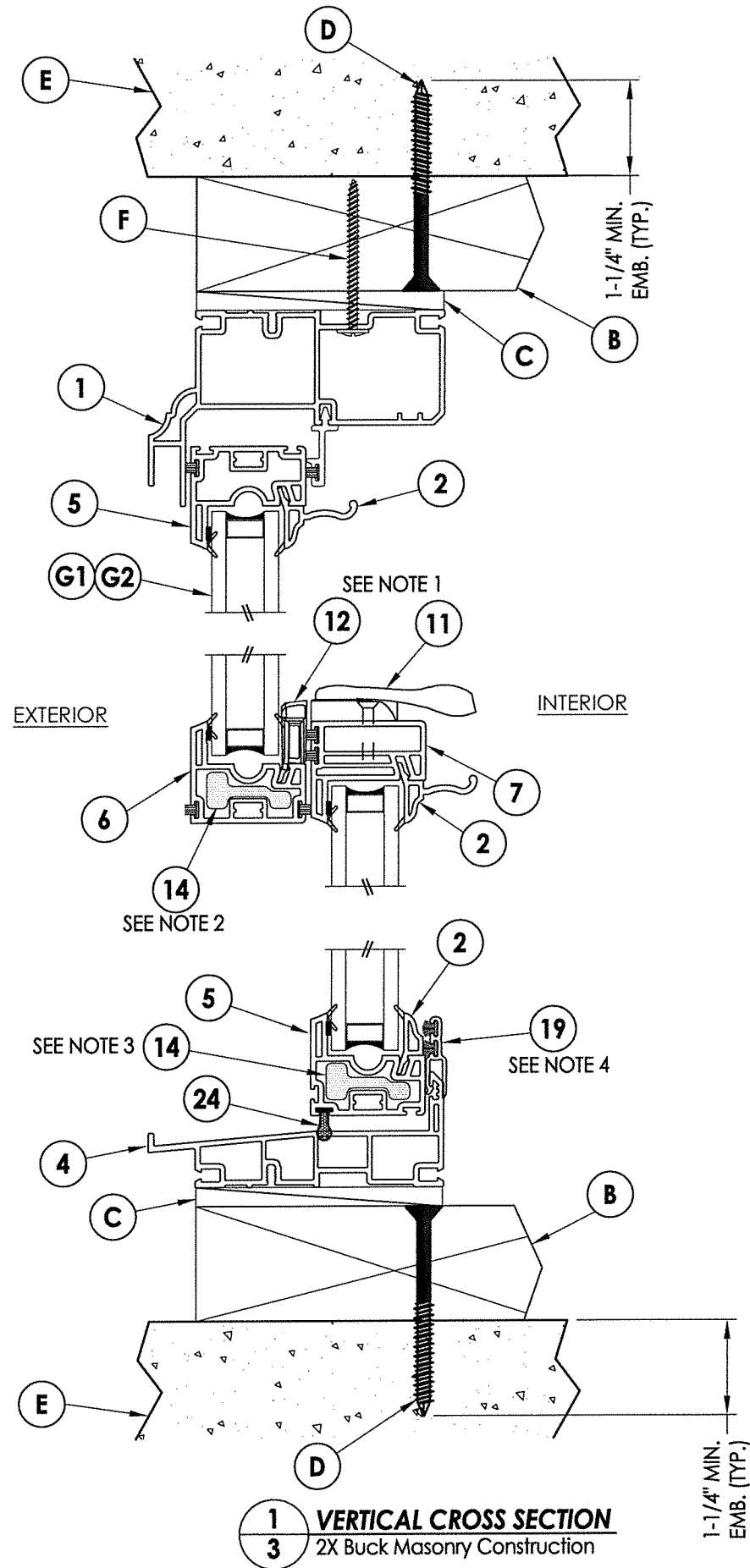
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

July 28, 2020

STATE OF FLORIDA
PROFESSIONAL ENGINEER

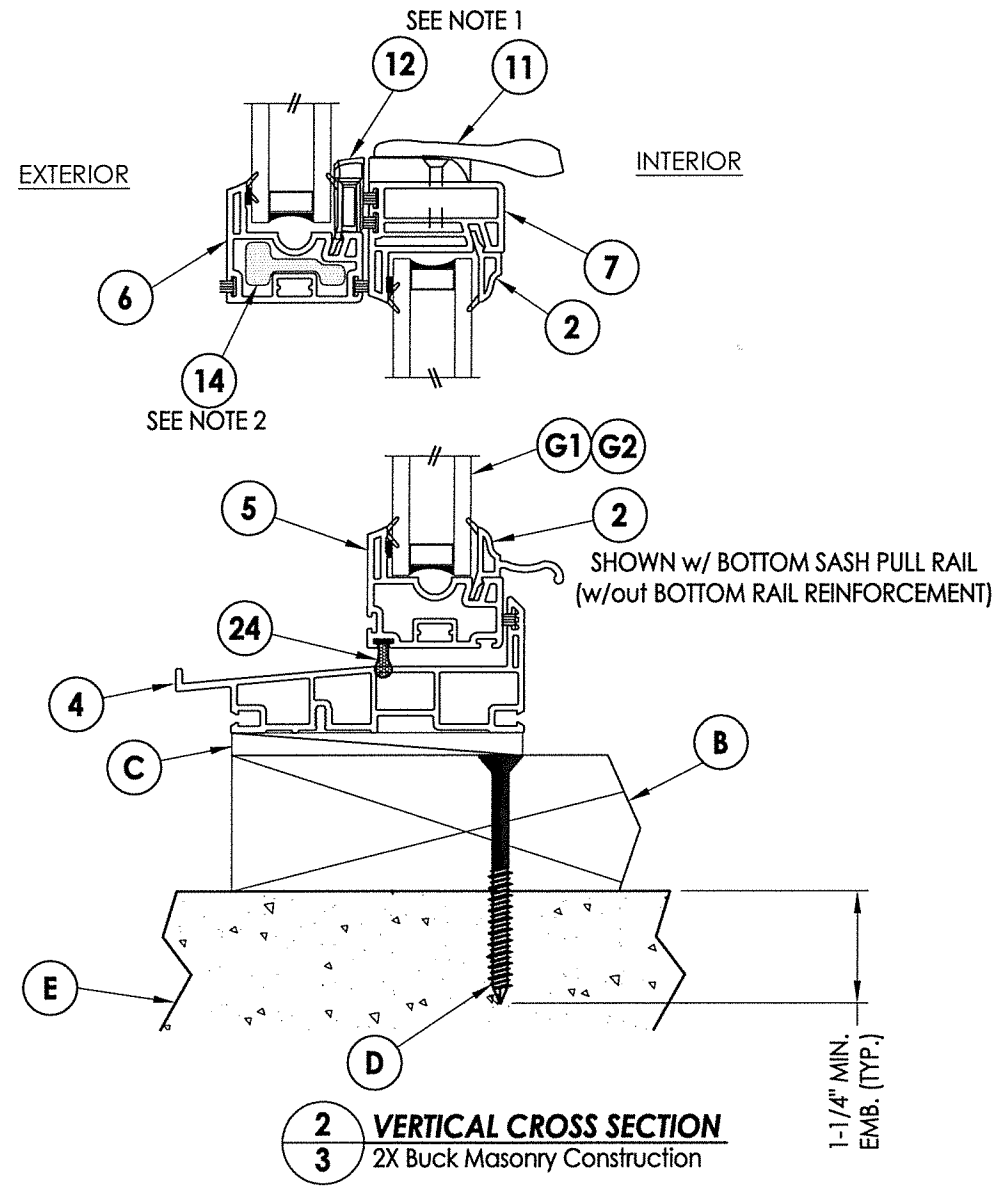
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		SUNRISE WINDOWS, LTD. DOUBLE HUNG WINDOW	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
DATE:		7/27/20	7/27/20
SCALE:		UPDATE TO 7TH ED (2020) FBC	LFS
DWG. BY:		REVISE DESIGN PRESSURE TABLE	LFS
CHK. BY:		REVISE DESIGN PRESSURE TABLE	LFS
DRAWING NO.:		NO.	DATE
SHEET		2	OF 6

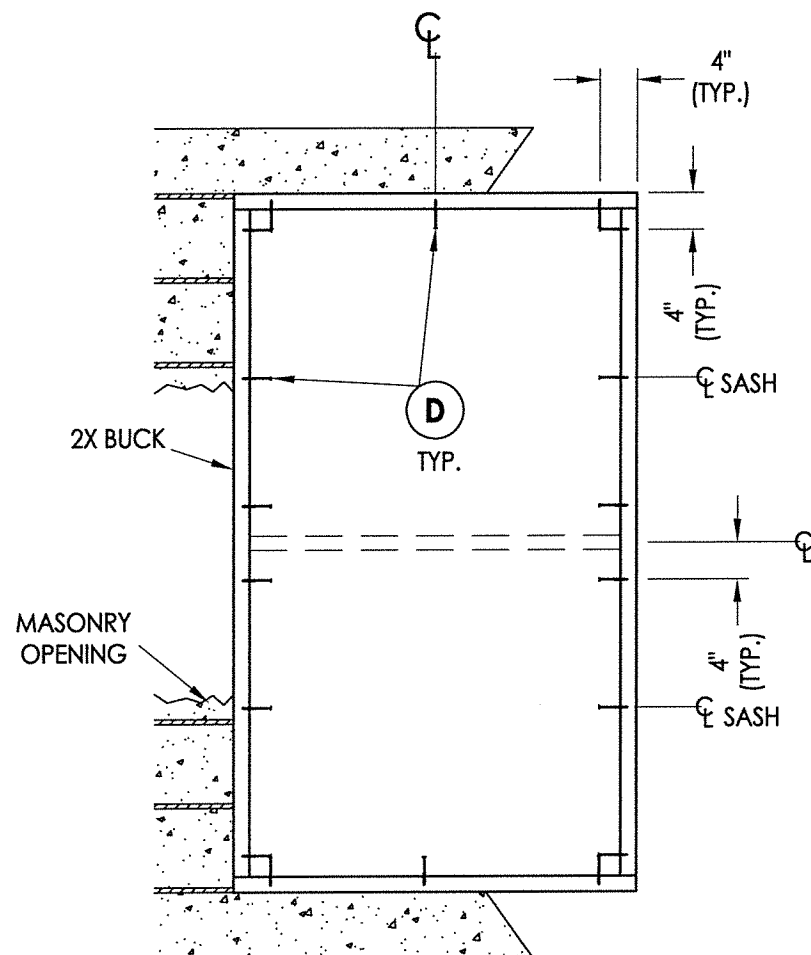


NOTES:

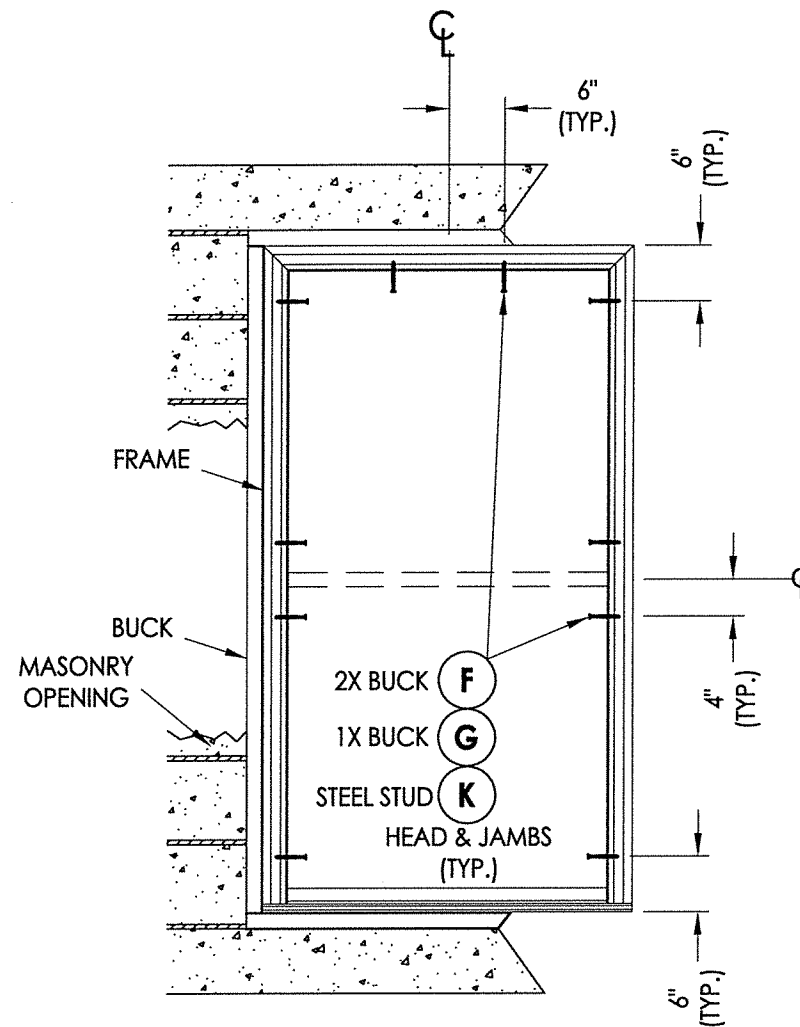
1. LOCK & KEEPER LOCATED 8-1/2" FROM EACH END OF LOCK/MEETING RAIL.
2. LOCK RAIL REINFORCEMENT REQUIRED IN ALL SIZES EXCEPT 40" X 63" FRAME SIZE.
3. BOTTOM RAIL REINFORCEMENT REQUIRED IN ALL SIZES EXCEPT 40" X 71" & 40" X 63" FRAME SIZES.
4. SILL RISER REQUIRED FOR ALL POSITIVE DESIGN PRESSURES > 20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



 July 28, 2020 Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		PRODUCT: SUNRISE WINDOWS, LTD. DOUBLE HUNG WINDOW		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
		DATE: 8/14/19		SCALE: N.T.S.	
DWG. BY: TRJ		CHK. BY: LFS		DRAWING NO.: FL-26910.9	
SHEET 3 OF 6		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	
© 2019 R.W. BUILDING CONSULTANTS INC.					



BUCK ANCHORING



FRAME ANCHORING

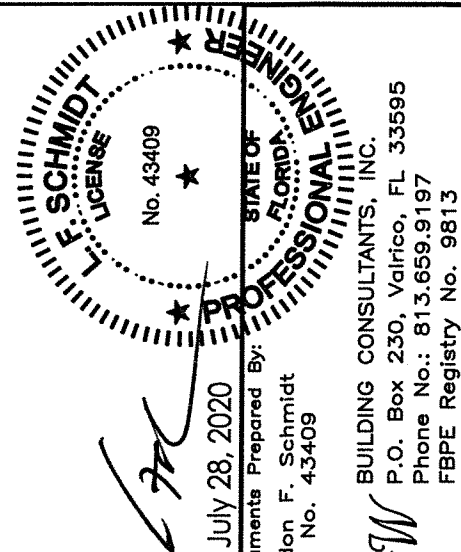
CONCRETE ANCHOR NOTES:

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 ULTRA CON®	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

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, LTD.
DOURIF HUNG WINDOW

PART OR ASSEMBLY:

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	REVISIONS		

DATE: 8/14/19

SCALE: N.T.S.

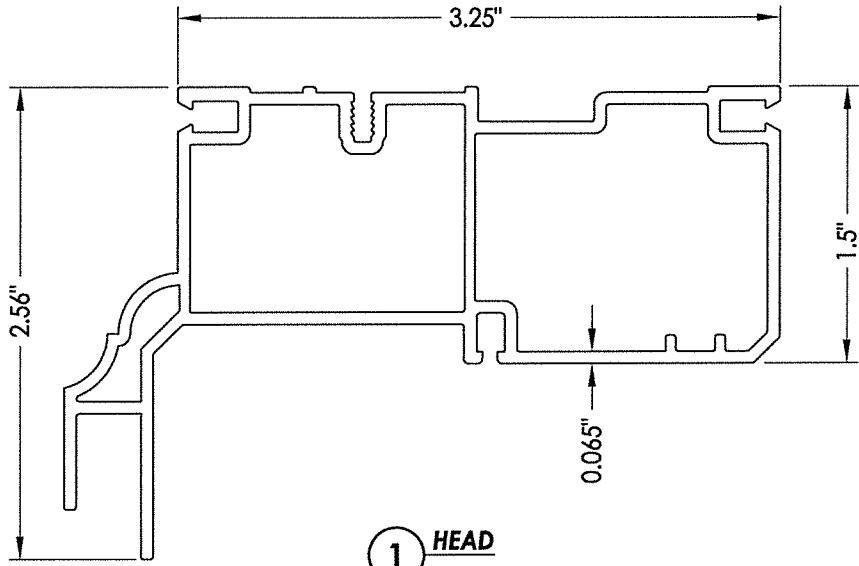
DWG. BY: TRJ

CHK. BY: LFS

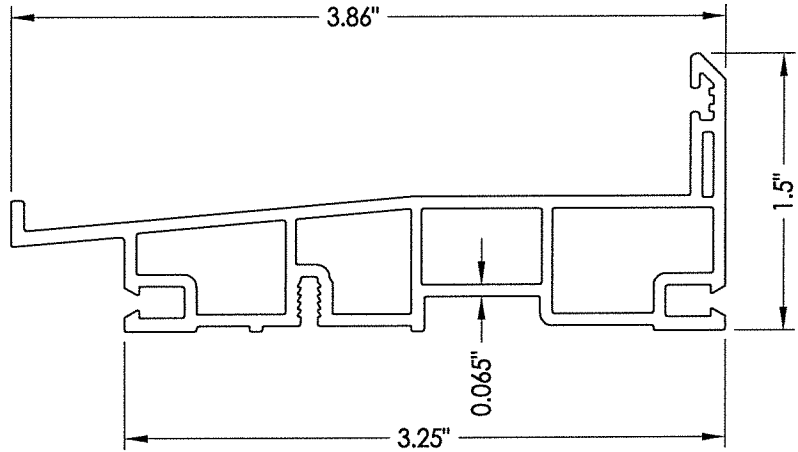
DRAWING NO.:

FL-26910.9

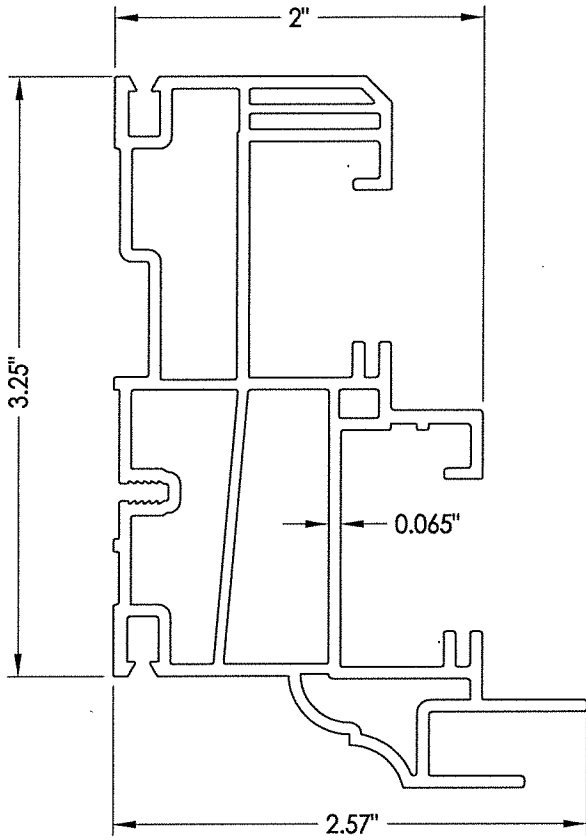
SHEET 4 OF 6



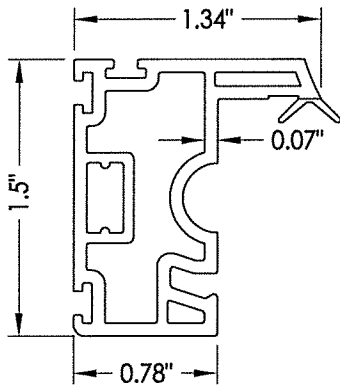
1 HEAD



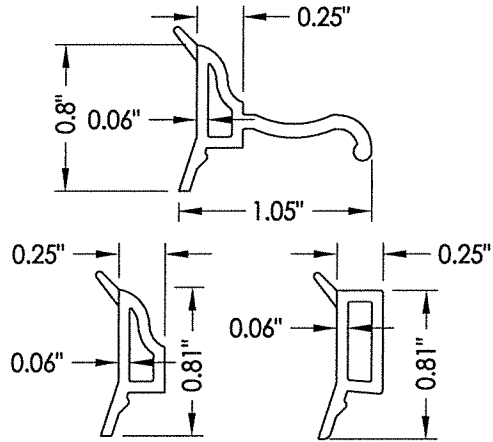
4 SILL



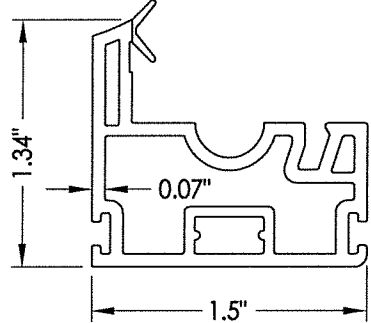
3 JAMB



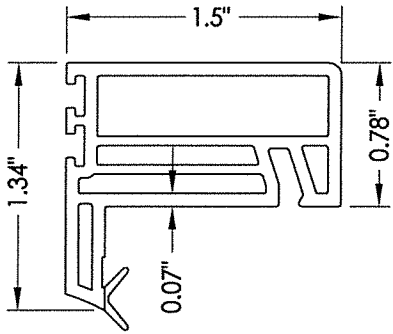
5 STILE/RAIL



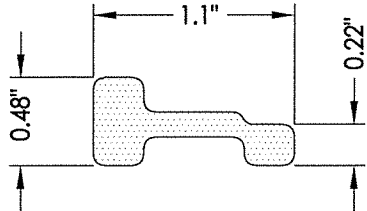
2 GLAZING BEADS



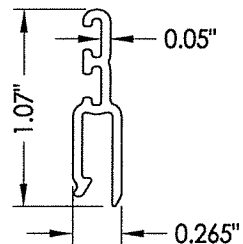
6 KEEPER RAIL



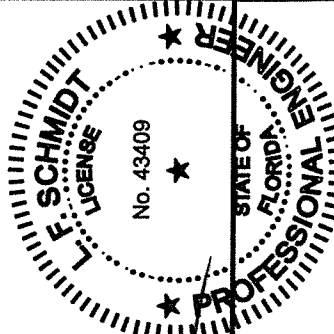
7 LOCK RAIL



14 REINFORCEMENT



19 SILL RISER



July 28, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
SUNRISE WINDOWS, LTD.
DOUBLE HUNG WINDOW
PART OR ASSEMBLY:
COMPONENTS

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

SCALE: N.T.S.

DWG. BY: TRJ

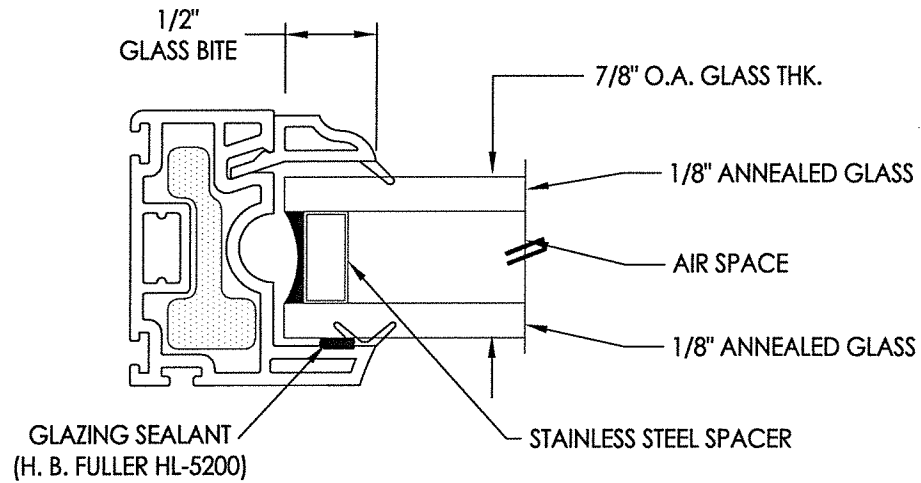
CHK. BY: LFS

DRAWING NO.: FL-26910.9

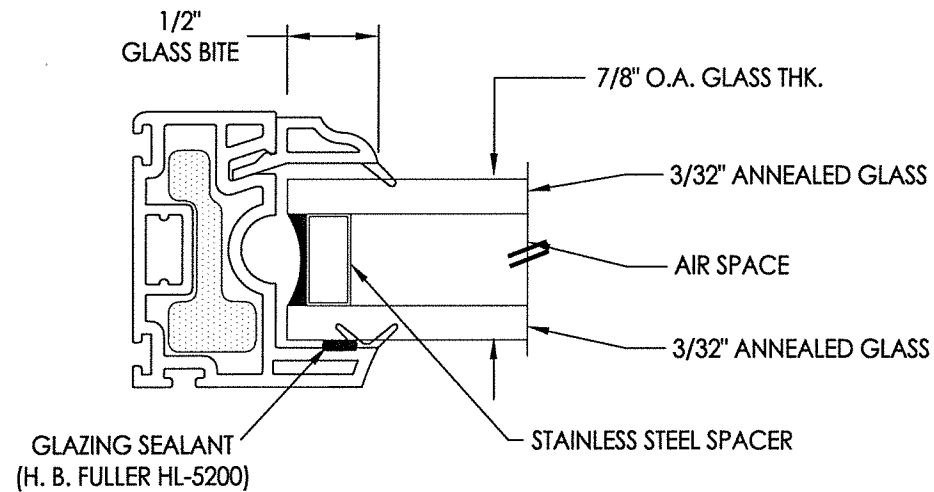
SHEET 5 OF 6

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

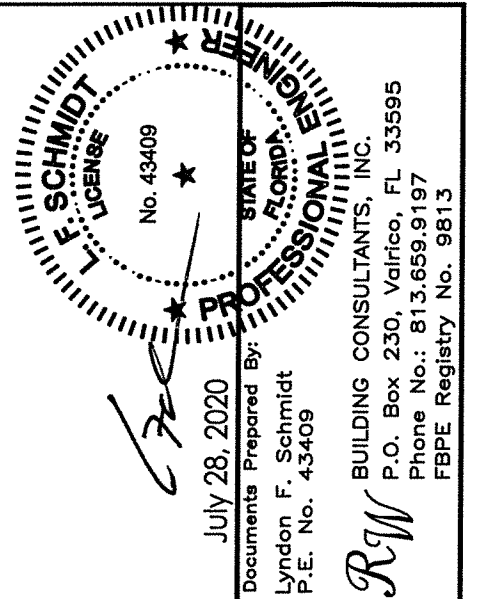
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



G1 GLAZING DETAIL



G2 GLAZING DETAIL



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

[illegible]

DATE: 8/14/19
SCALE: N.T.S.
DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.: FL-26910.9
SHEET 6 OF 6