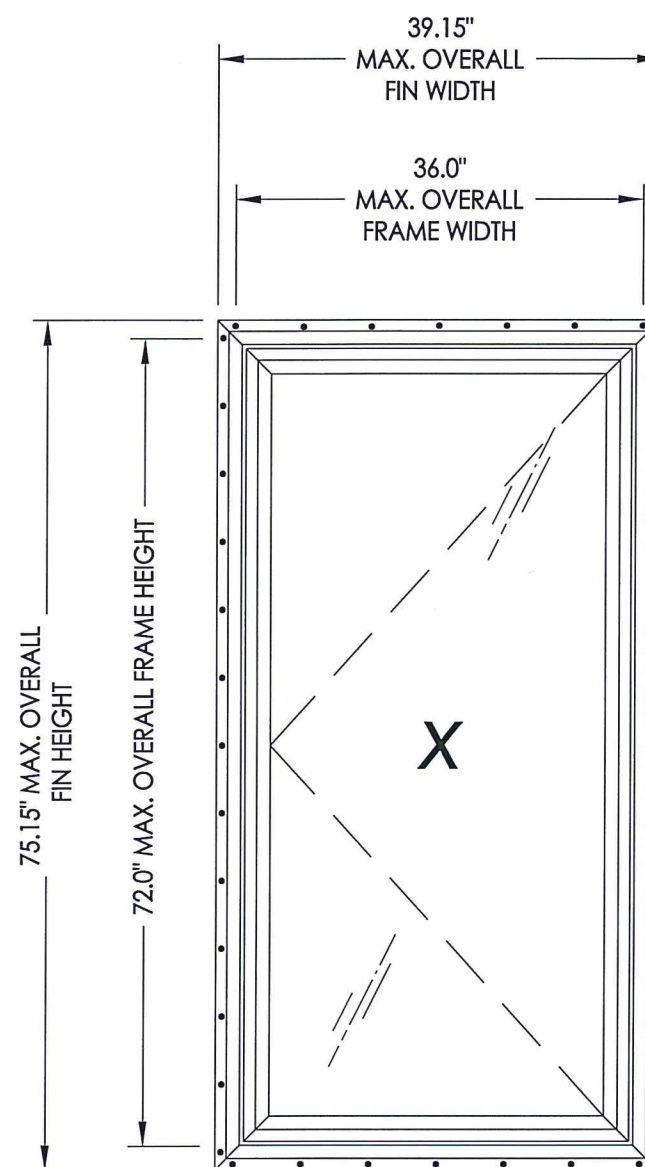


**COASTAL
PERFORMANCE™**
by Sunrise Windows, LTD.

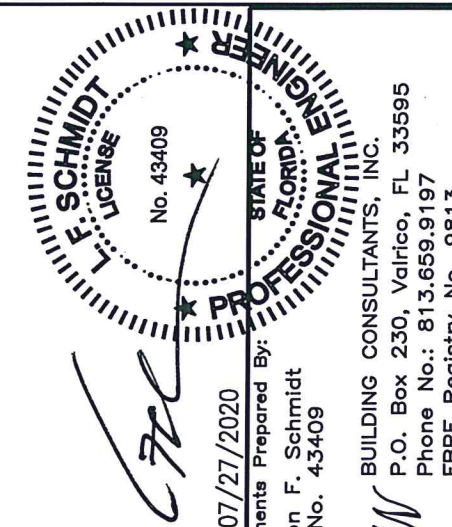
Coastal Performance Casement Window w/ Nailing Fin "IMPACT"

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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4. 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	Vertical & horizontal cross sections
4	Buck & frame anchoring
5	Bill of materials, glazing details and components



OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	OVERALL DAY LIGHT DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POS.	NEG.
39.15" X 75.15"	36.0" X 72.0"	29.5" X 65.5	G1	+50.0	-50.0



07/27/2020

01/21/2020
Documents Prepared By
Lyndon F. Schmidt
P.E. No. 43409

RAI BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

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

[illegible]

DATE: 4/12/18

SCALE: N.T.S.

DWG. BY: JK

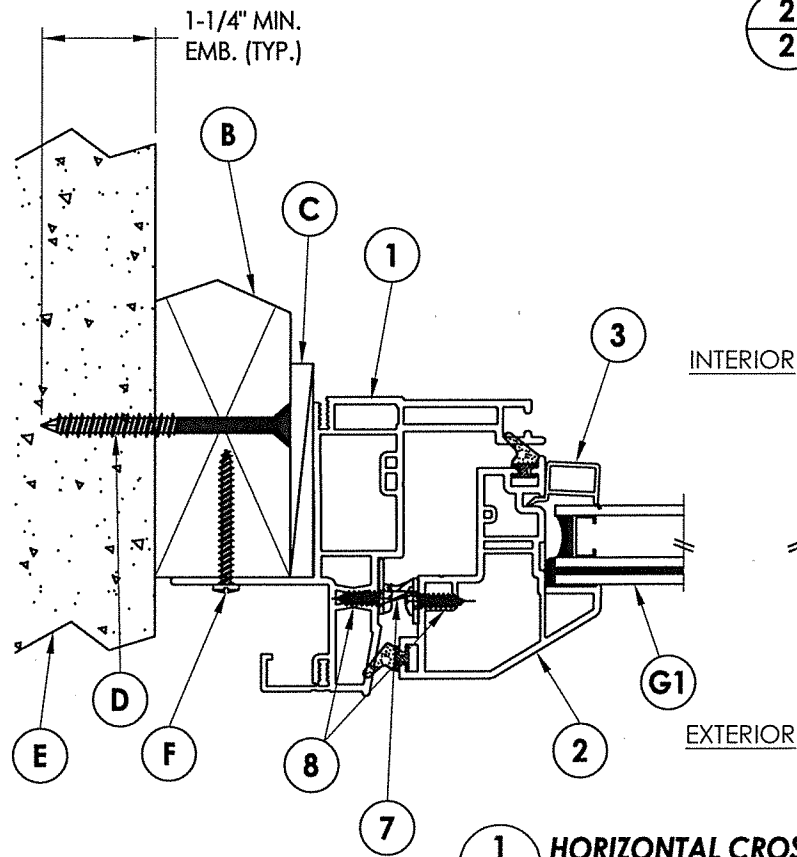
CHK. BY: LFS

DRAWING NO.:

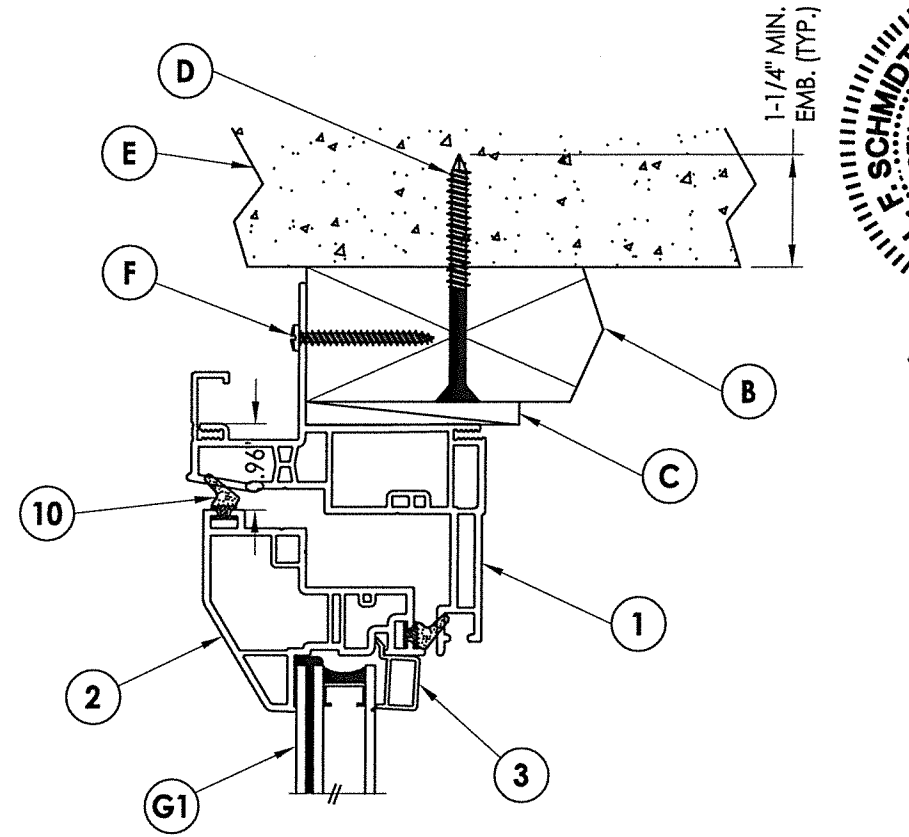
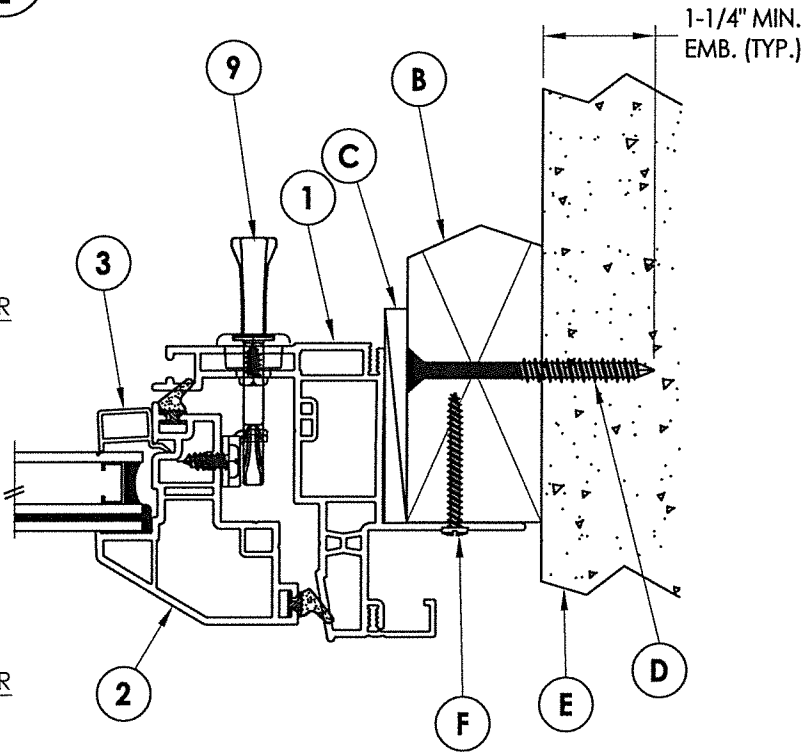
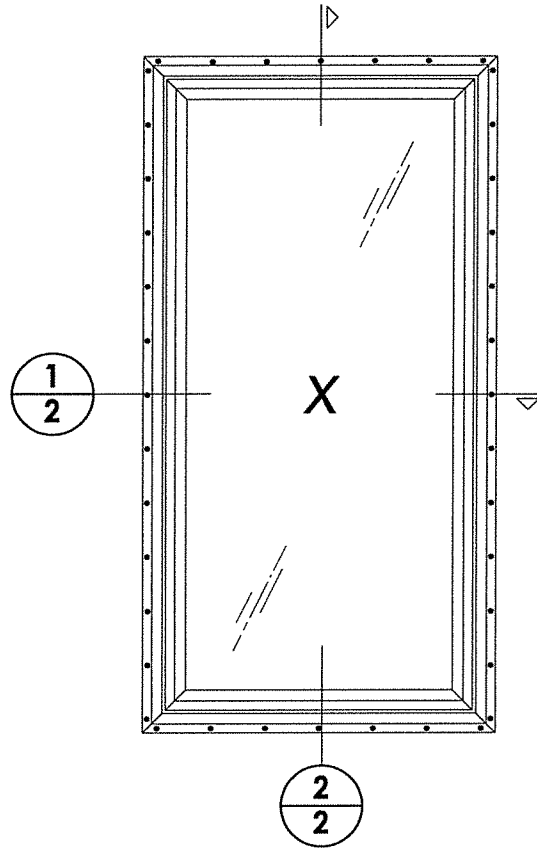
FL-26907.1

SHEET 1 OF 5

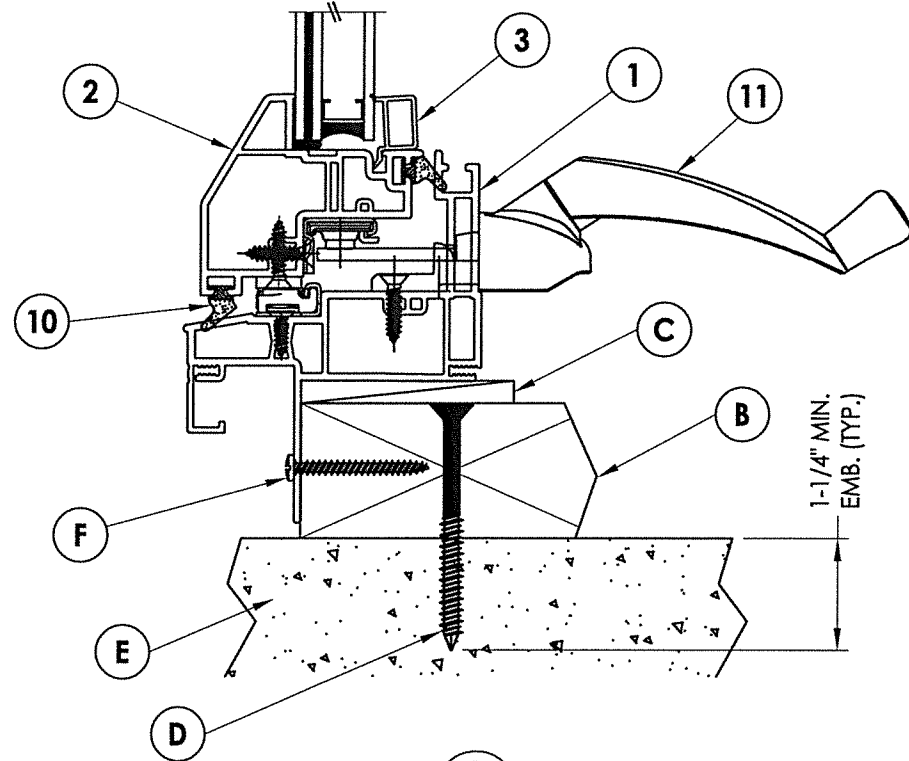
\\dc01\rbw\clients\Sunrise Windows\A - Florida Product Approvals\FL-26907 - Casement Window\C - Drawings\FL 26907 (2020)\FL-26907.1.dwg



1
2 **HORIZONTAL CROSS SECTION**
2X Buck Masonry Construction



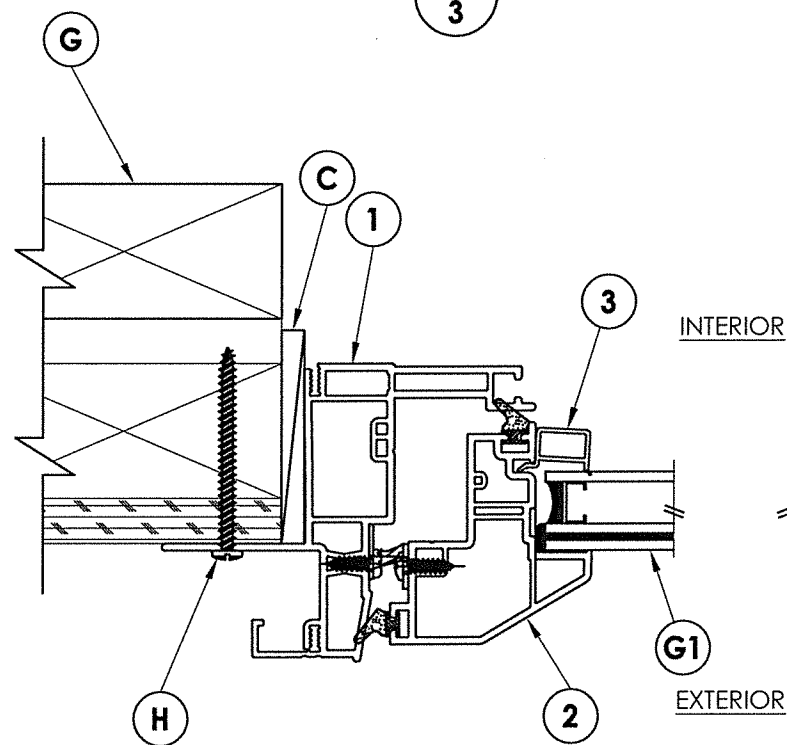
EXTERIOR INTERIOR



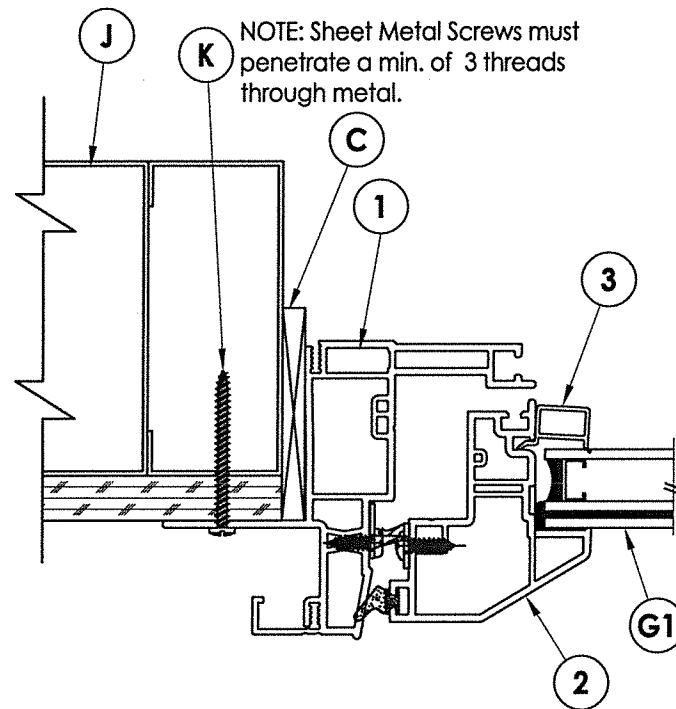
2
2 **VERTICAL CROSS SECTION**
2X Buck Masonry Construction

FLORIDA
PROFESSIONAL ENGINEER
LYNDON F. SCHMIDT
No. 43409
07/27/2020
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		Sunrise Windows	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
REVISIONS		DATE	
2	7/27/20	UPDATE TO 7th ED (2020) FBC	DAC
1	5/16/19	REVISE PRODUCT NAME	LFS
NO.	DATE	BY	BY
DATE: 4/12/18		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-26907.1		SHEET 2 OF 5	

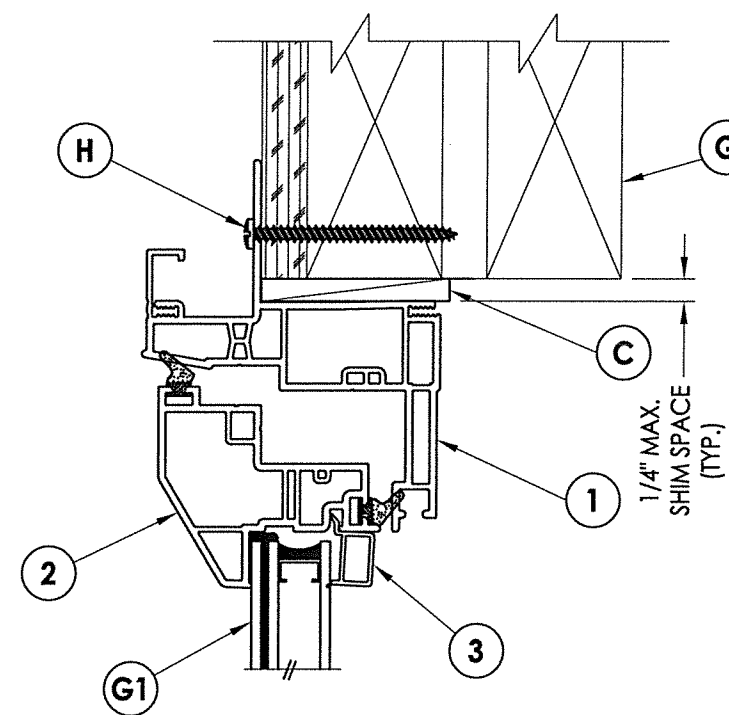


1 **HORIZONTAL CROSS SECTION**
3 Stud Construction



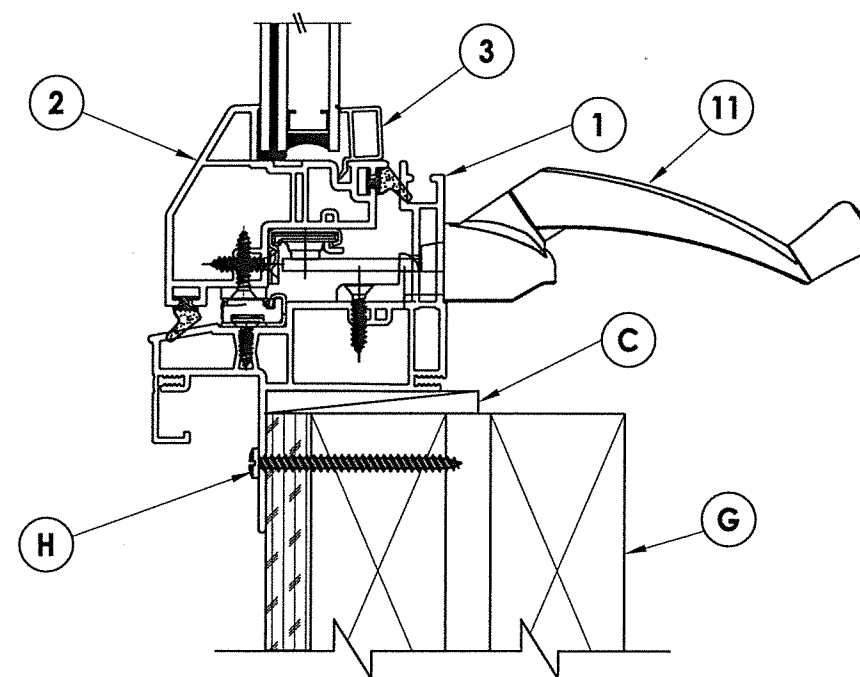
3 HORIZONTAL CROSS SECTION
3 Shown w/ Steel Stud Framing Option

NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through metal.



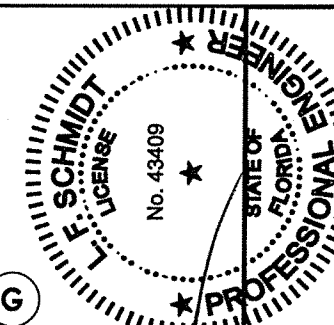
EXTERIOR

INTERIOR



2 VERTICAL CROSS SECTION

3 Stud Construction



07/27/2020

01/21/2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT: Sunrise Windows

OR ASSEMBLY:
VERTICAL & HORIZONTAL
CROSS SECTIONS

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

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1	5/16/19	REVISE PRODUCT NAME		LFS
NO.	DATE			BY
REVISIONS				

DATE: 4/12/18

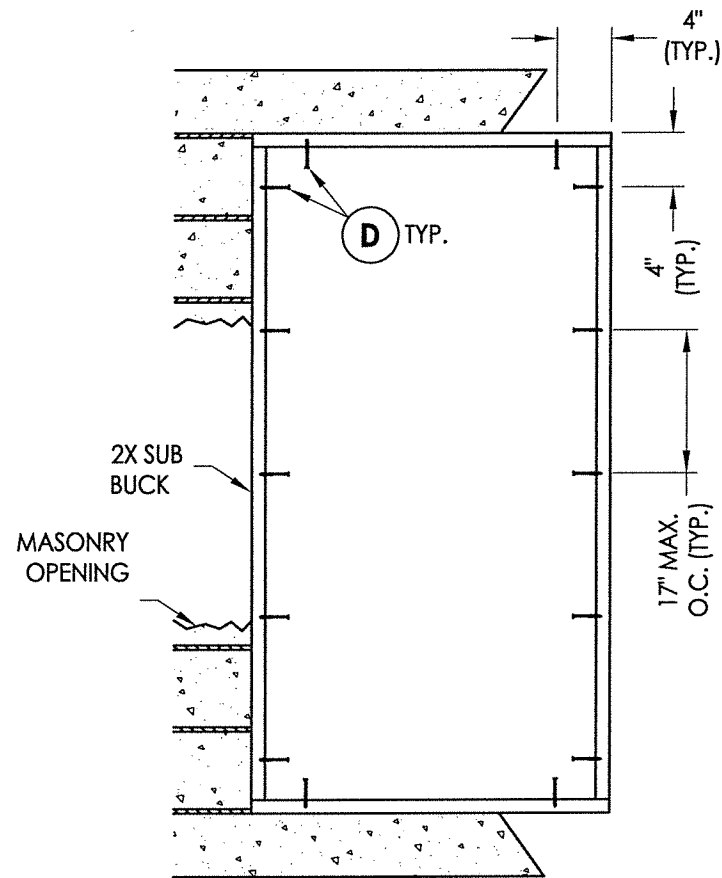
SCALE: N.T.S.

DWG. BY: JK

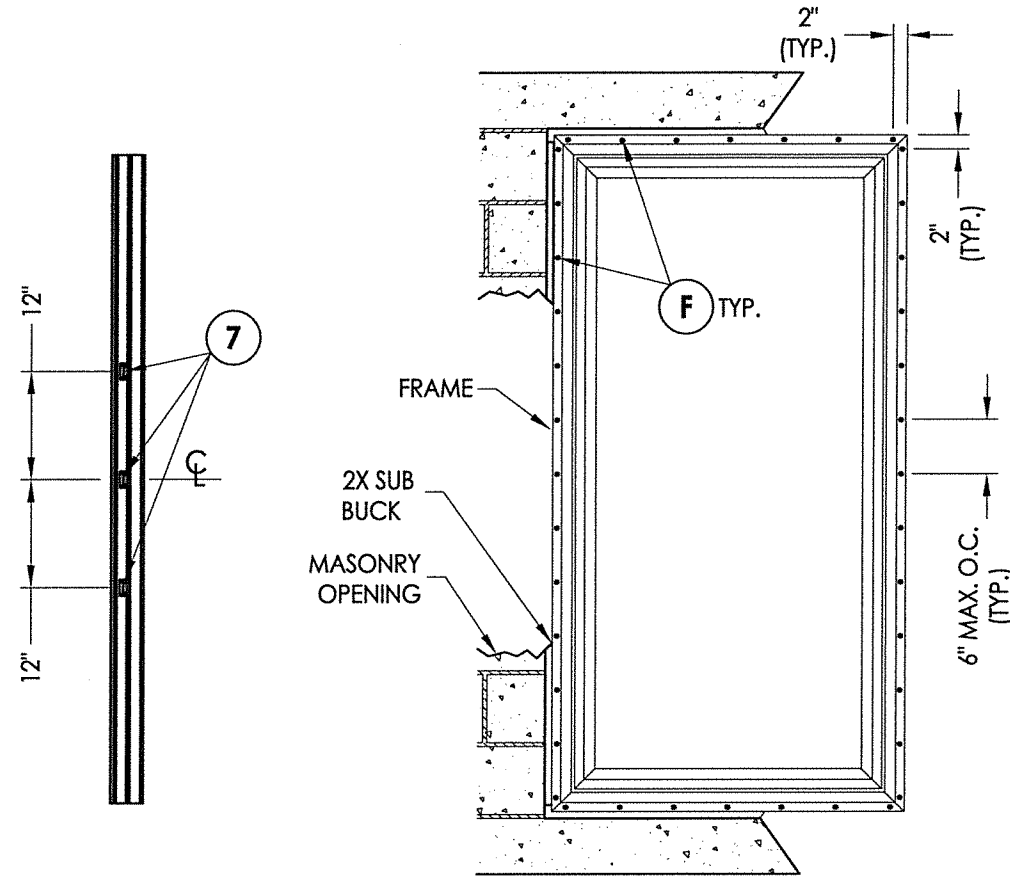
CHK. BY: LFS

DRAWING NO.:
FL-26907.1

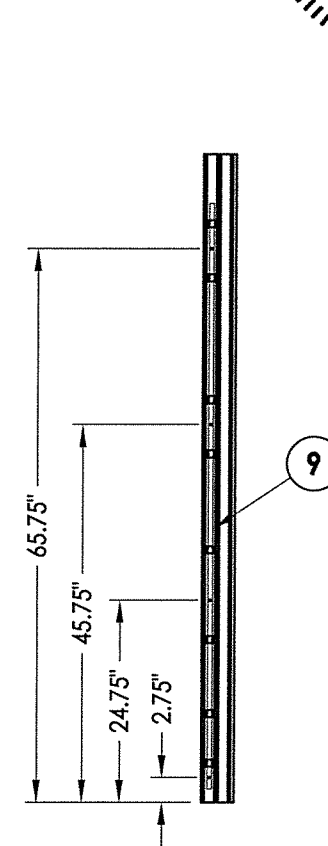
SHEET 3 OF 5



2X BUCK ANCHORING
Single unit



HINGE JAMB
Subber locations



LOCK JAMB
Lock locations

CONCRETE ANCHOR NOTES:

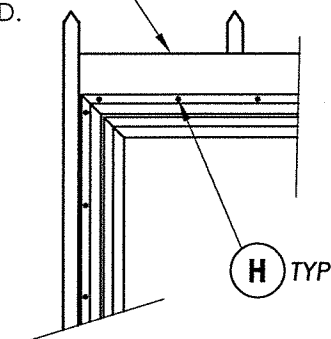
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. 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"

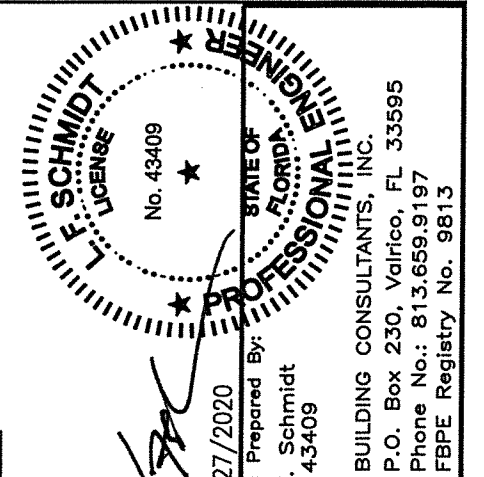
WOOD SCREW INSTALLATION NOTES:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

2X FRAMING TO BE DESIGNED
BY THE ENGINEER OR ARCHITECT
OF RECORD BASED ON WIND LOADS
AND THE CLADDING BEING USED.



FRAME ANCHORING Stud Construction



07/27/2020
Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: Sunrise Windows

PART OR ASSEMBLY:

2	7/27/20	UPDATE TO 7th ED (2020)	FBC	DAC
1	5/16/19	REVISE PRODUCT NAME		LFS
NO.	DATE			BY
			REVISIONS	

REVISIONS

DATE: 4/12/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

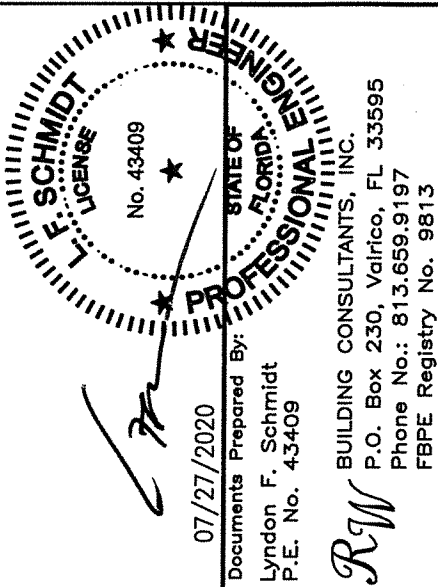
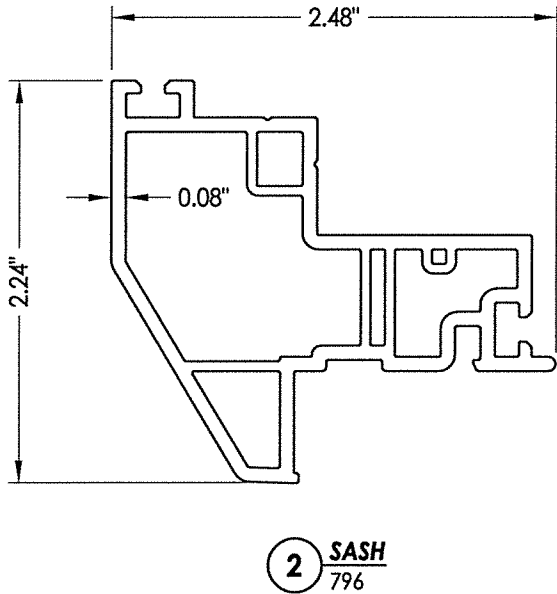
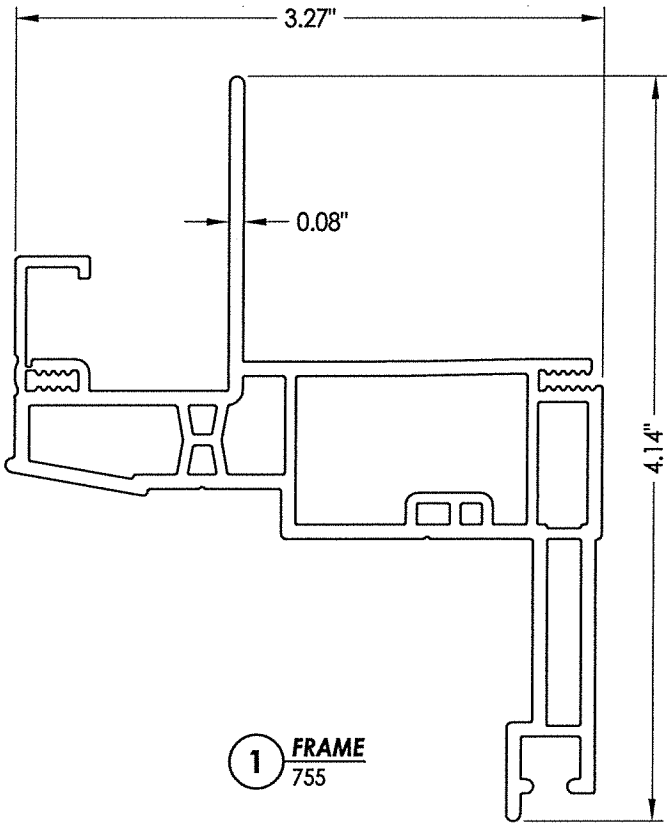
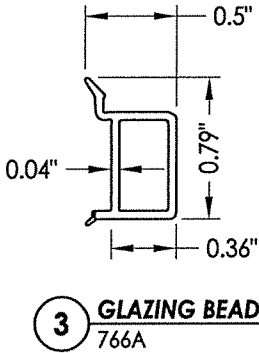
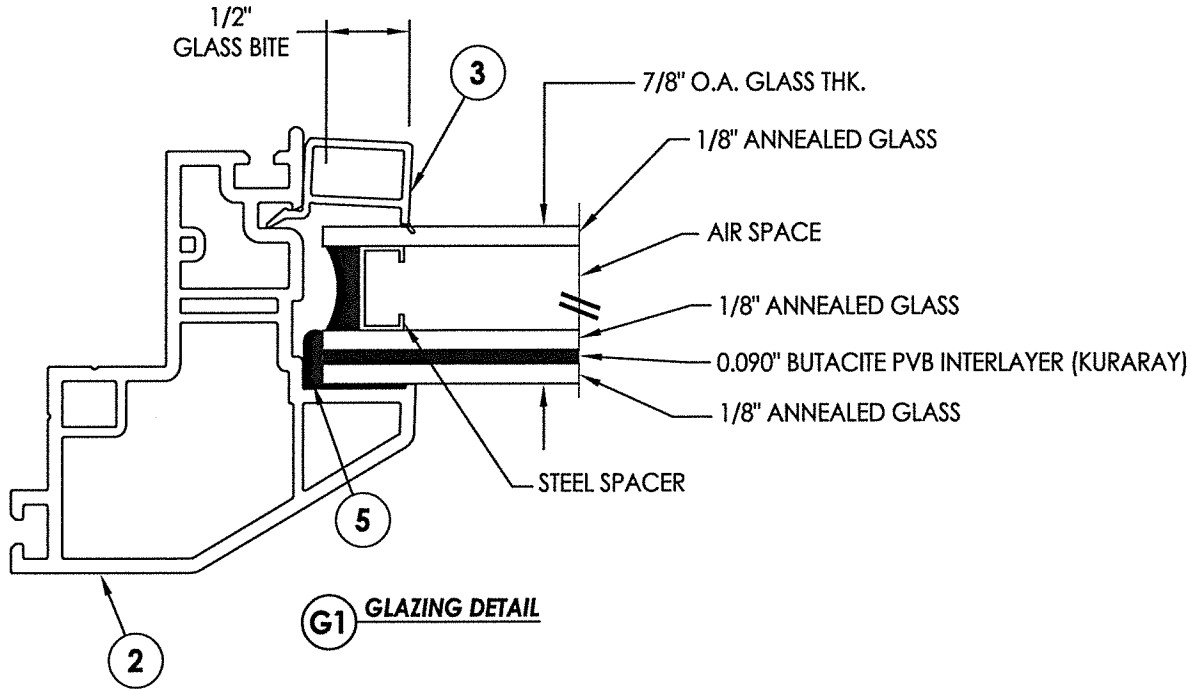
FL-26907.1

SHEET 4 OF 5

\\dc01\wbc\Clients\Sunrise Windows\A - Florida Product Approvals\FL-26907 - Casement Window\C - Drawings\FL 26907 (2020)\FL-26907.1.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
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 1-1/2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
G	2X STUD (SG >= 0.42)	WOOD
H	#8 X 2" PPH SMS (1-3/8" MIN. EMBEDMENT)	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 *	RIGID PVC
2	EXTRUDED VINYL SASH *	RIGID PVC
3	EXTRUDED VINYL GLAZING BEAD *	RIGID PVC
4	GLASS SETTING BLOCK	-
5	GLAZING SEALANT (PECORA 896HIS)	SILICONE
7	SNUBBER	STEEL
8	#9 X 9/16" PPH SMS	STEEL
9	LOCK ASSEMBLY	STEEL
10	FOAMTITE SEAL	-
11	SINGLE ARM OPERATOR	-

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



PRODUCT: Sunrise Windows		PART OR ASSEMBLY: BILL OF MATERIALS, GLAZING DETAIL & COMPONENTS	
		DAC	BY
		LFS	
2	7/27/20	UPDATE TO 7th ED (2020) FBC	
1	5/16/19	REVISE PRODUCT NAME	
NO.	DATE		
REVISIONS			
DATE: 4/12/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-26907.1			
SHEET 5 OF 5			