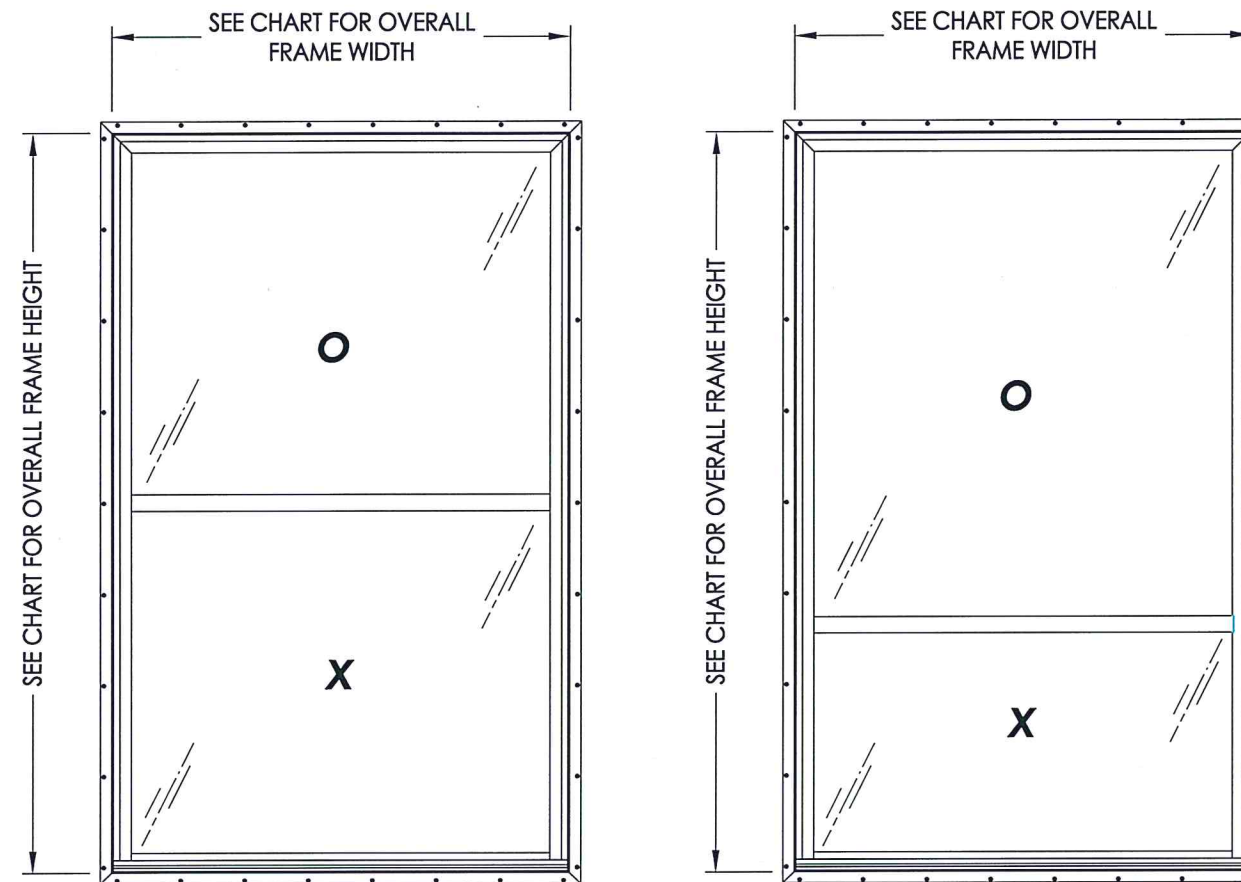




GENERAL NOTES

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). See the Certification Agency Certificate for sizes, specifications and ratings.
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 must be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

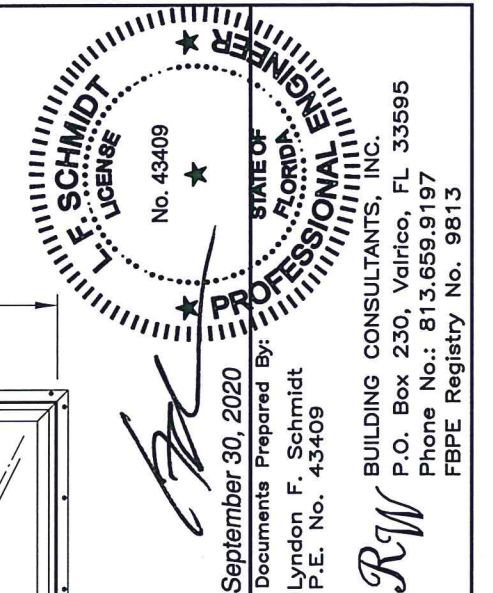
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures and general notes
2	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck anchoring
5	Frame anchoring
6	Bill of materials, glazing detail & components

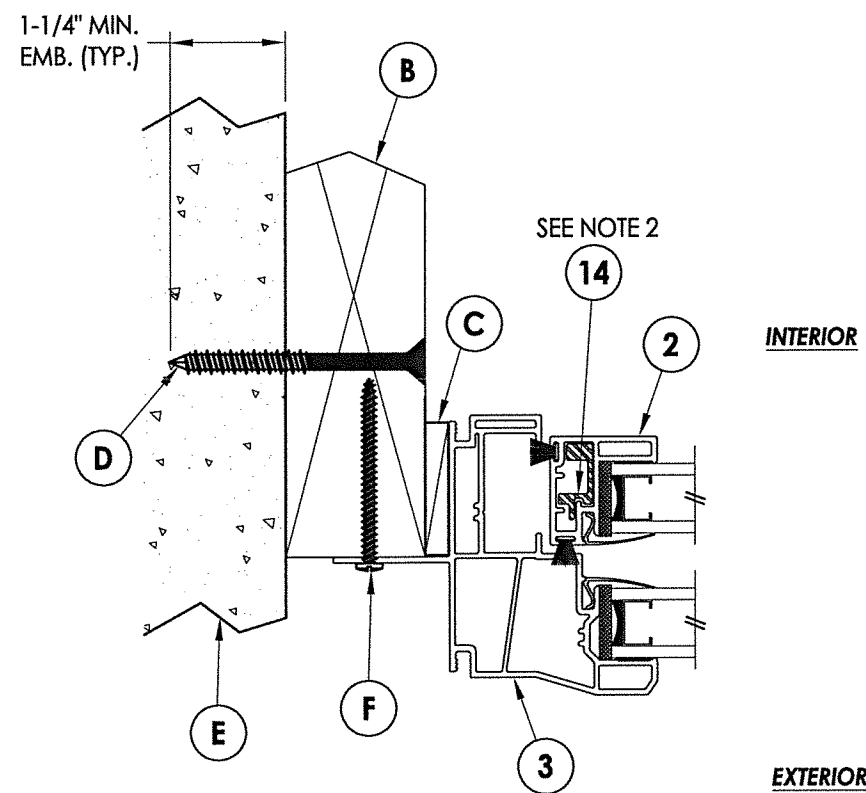
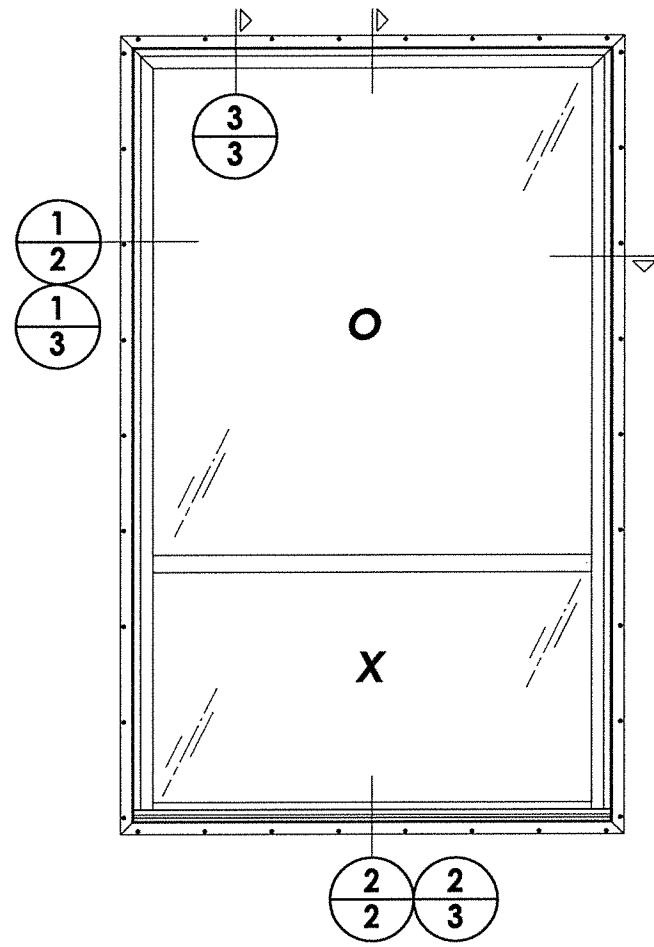


Oriel

OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	FIXED WINDOW OVERALL D.L.O. DIMENSION (O)	SASH OVERALL D.L.O. DIMENSION (X)	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
46.5" x 77.5"	44.0" x 75.0"	39.5" x 33.875"	39.5" x 34.5"	G2	+20.0	-20.0
46.5" x 77.5"	44.0" x 75.0"	39.5" x 33.875"	39.5" x 34.5"	G1	+25.0	-25.0
50.5" x 86.5"	48.0" x 84.0"	43.375" x 38.75"	43.5" x 38.875"		+20.0	-25.0
54.5" x 80.5"	52.0" x 78.0"	47.375" x 35.75"	47.5" x 35.875"		+25.0	-25.0
50.5" x 98.5"	48.0" x 96.0"	43.5" x 60.875"	43.5" x 28.625"		+25.0	-25.0
54.5" x 86.5"	52.0" x 84.0"	47.5" x 52.75"	47.5" x 24.75"		+30.0	-30.0

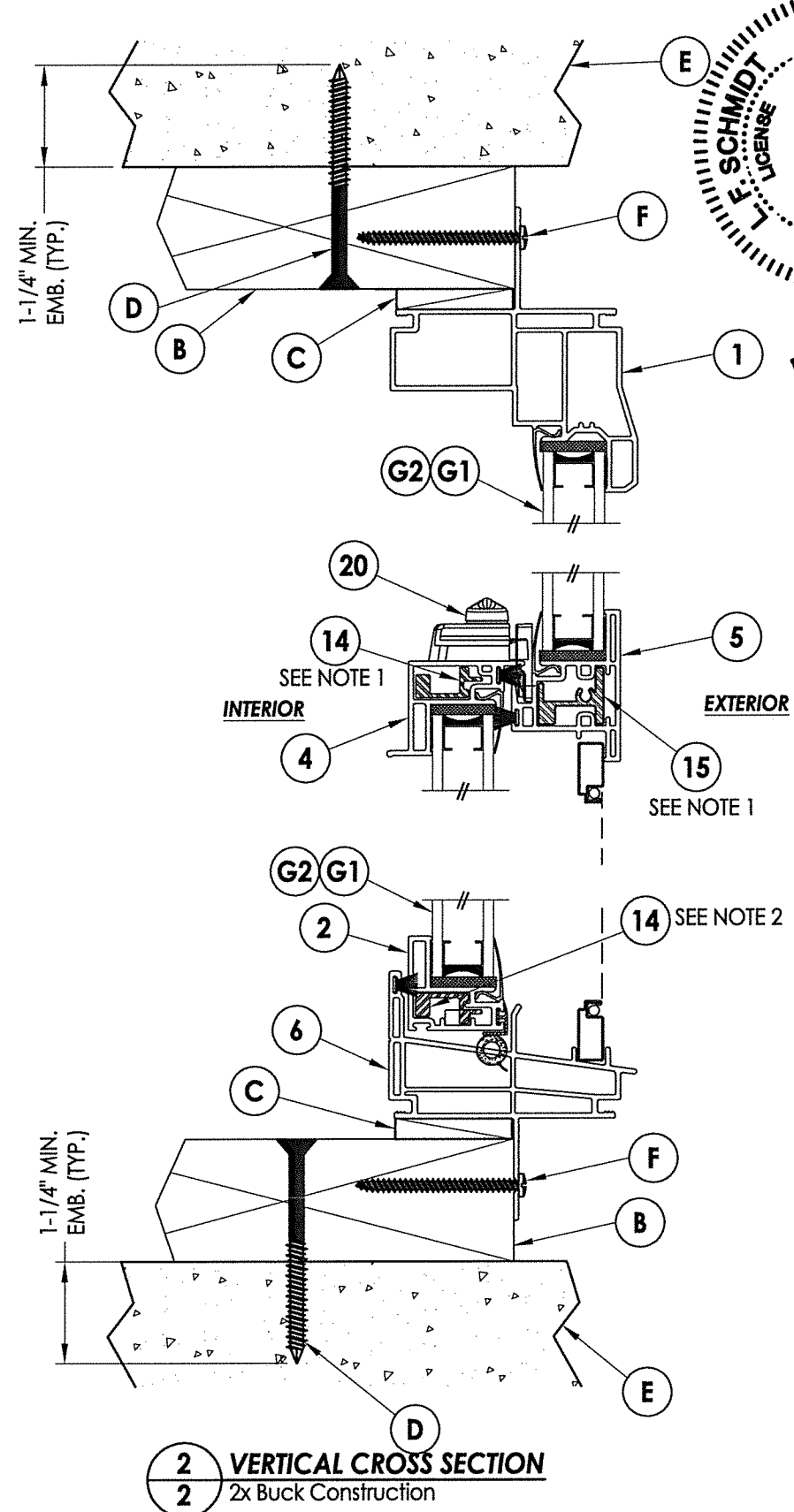
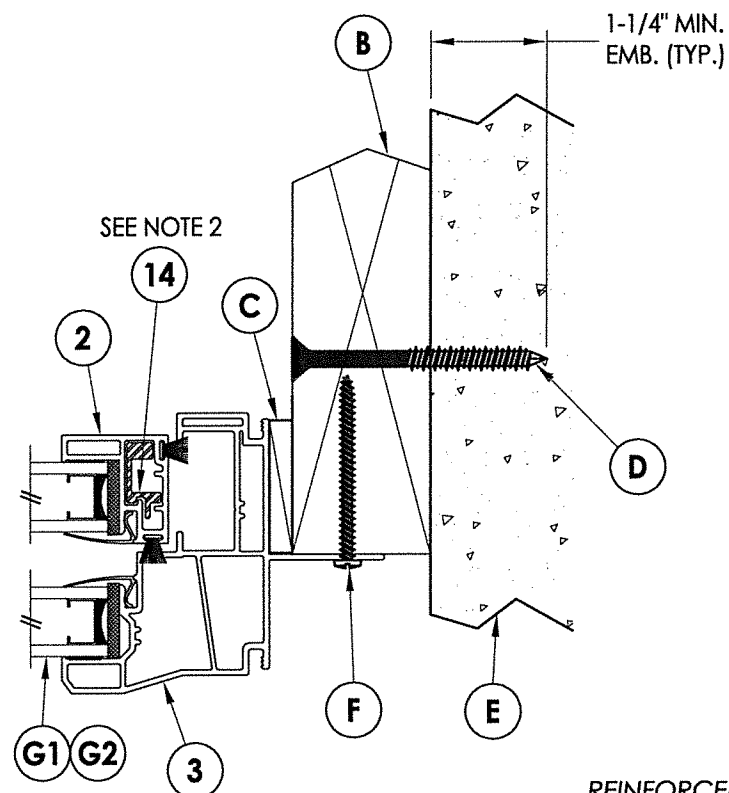
REFER TO SHEETS 2 & 3 FOR REQUIRED REINFORCEMENT.

[illegible]



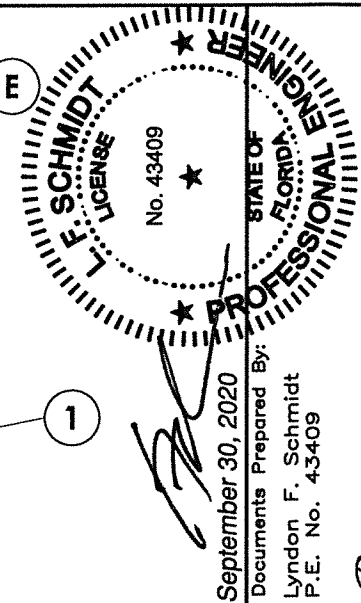
1 HORIZONTAL CROSS SECTION

2 2x Buck Construction



2 VERTICAL CROSS SECTION
2 2x Buck Construction

1. LOCK & MEETING RAIL REINFORCEMENTS ARE REQUIRED FOR ALL WINDOW FRAME SIZES.
2. SASH STILE & BOTTOM RAIL REINFORCEMENTS ARE REQUIRED FOR EACH OF THE FOLLOWING:
 - A. ALL WINDOW FRAME SIZES > 44" x 75".
 - B. ALL WINDOW FRAME SIZES WITH DESIGN PRESSURE > 20 PSF.

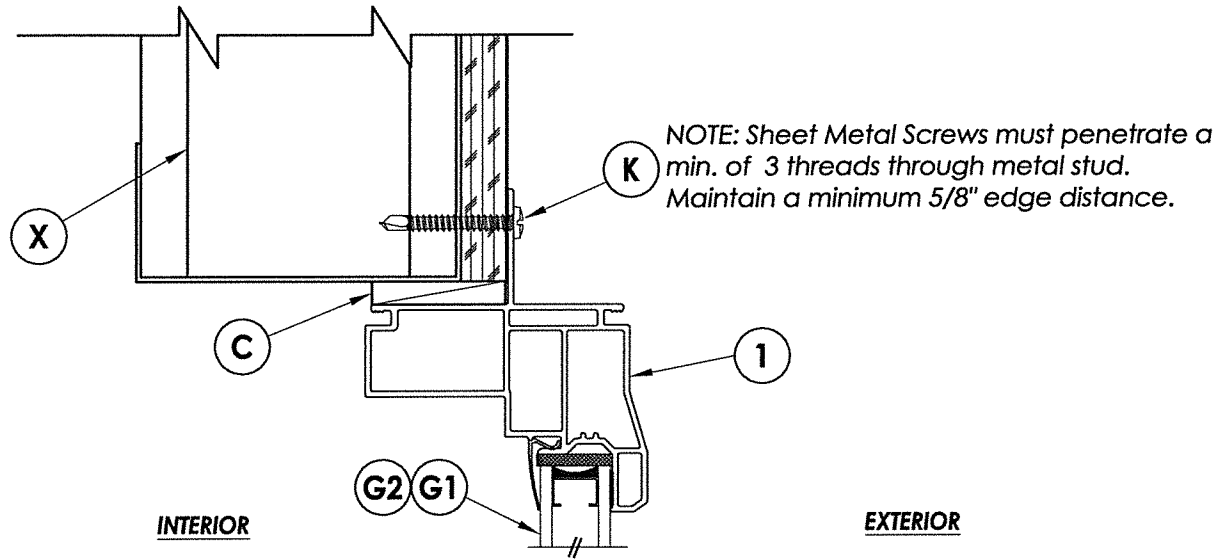


September 30, 2020
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Lyndon F. Schmidt
P.E. No. 43409

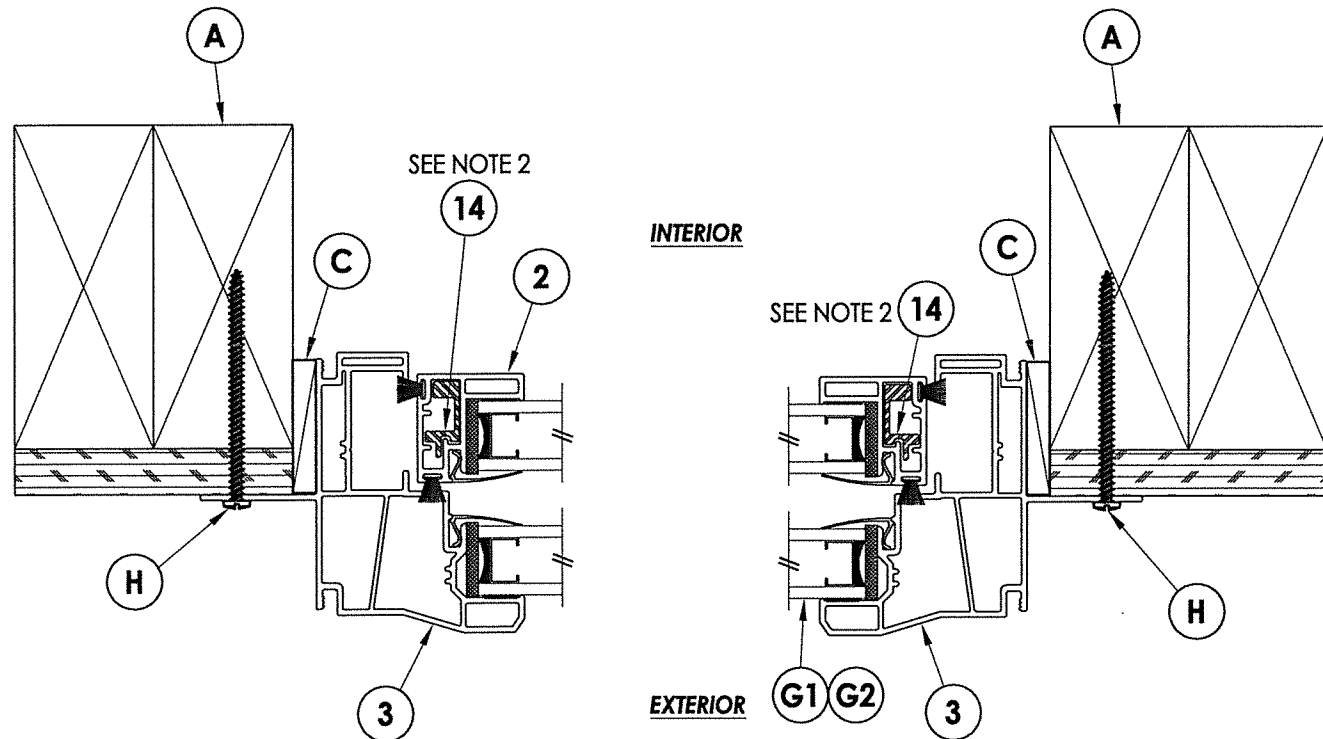


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FBPE Registry No. 9813

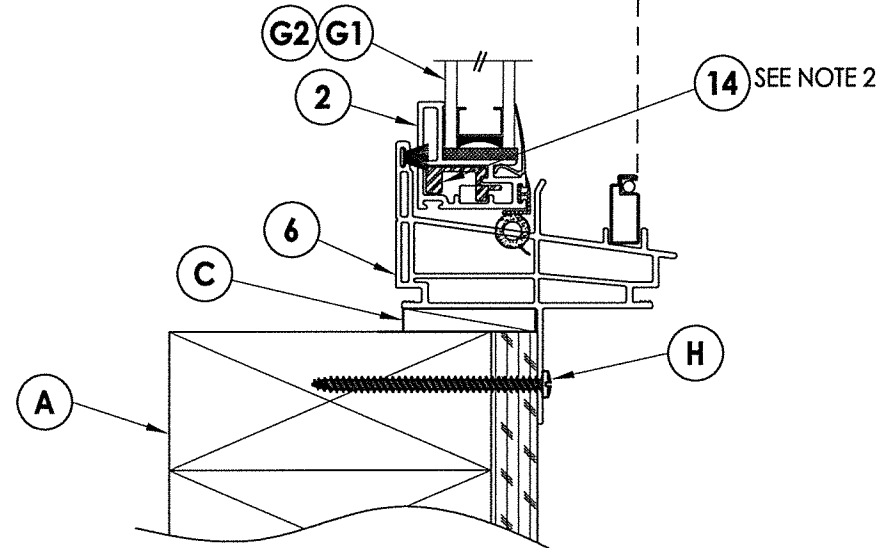
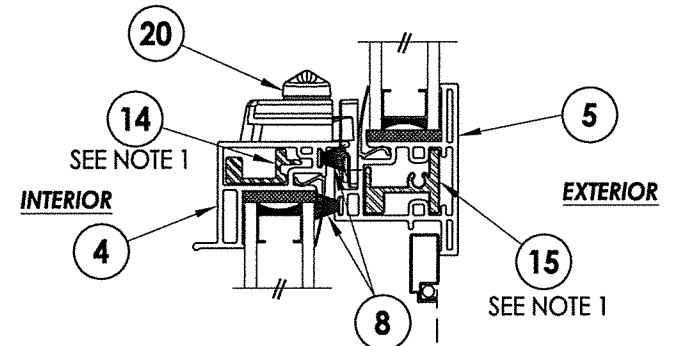
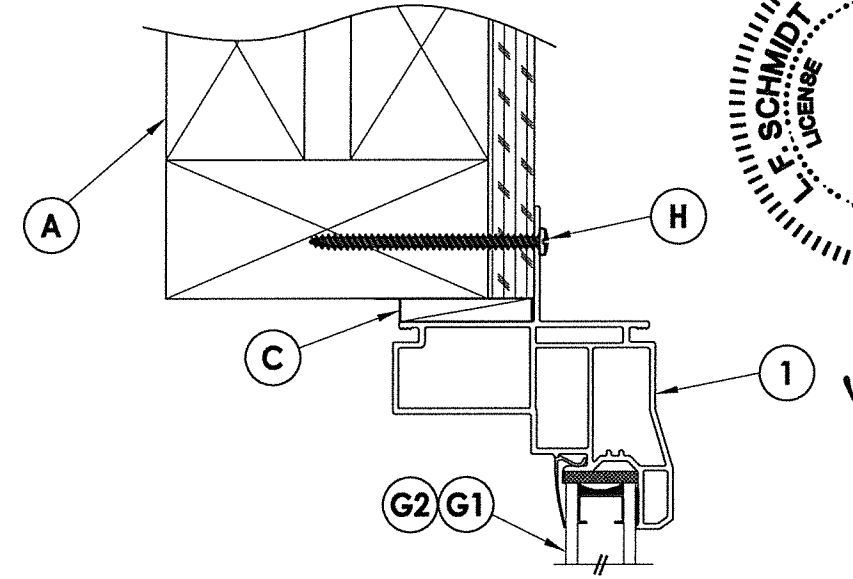
DATE: 3/12/18										PRODUCT:		SINGLE HUNG WINDOW	
SCALE: N.T.S.													
DWG. BY: JK													
CHK. BY: LFS													
DRAWING NO.: FL-26514.1													
SHEET 2 OF 6													



3
3 **VERTICAL CROSS SECTION**
Steel Stud Construction



1
3 **HORIZONTAL CROSS SECTION**
Stud Construction



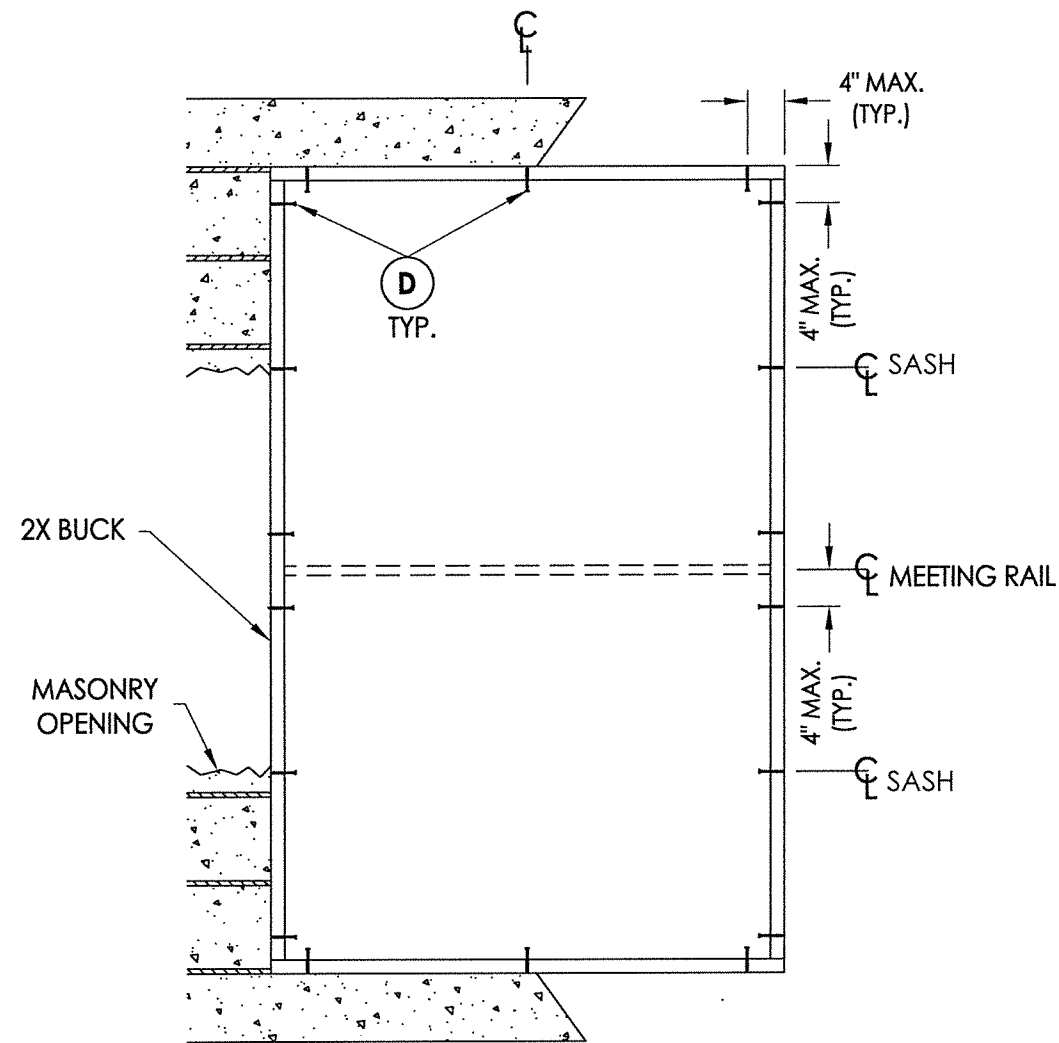
2
3 **VERTICAL CROSS SECTION**
Stud Construction

- REINFORCEMENT NOTES:**
1. LOCK & MEETING RAIL REINFORCEMENTS ARE REQUIRED FOR ALL WINDOW FRAME SIZES.
 2. SASH STILE & BOTTOM RAIL REINFORCEMENTS ARE REQUIRED FOR EACH OF THE FOLLOWING:
 - A. ALL WINDOW FRAME SIZES > 44" x 75".
 - B. ALL WINDOW FRAME SIZES WITH DESIGN PRESSURE > 20 PSF.

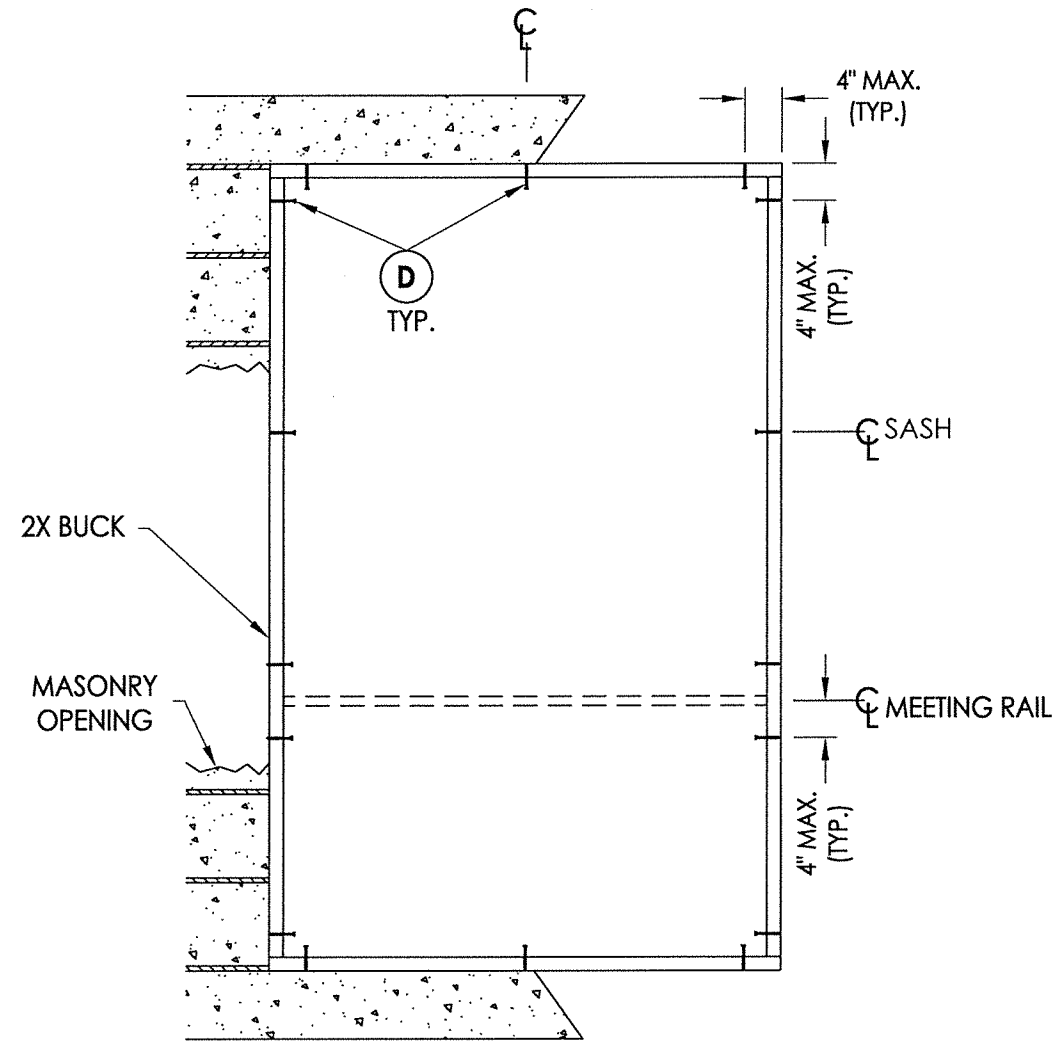
STATE OF FLORIDA
PROFESSIONAL ENGINEER
L. F. SCHMIDT
LICENSE
No. 43409
September 30, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISIONS	
2	9/30/20	UPDATE TO 7TH ED. (2020) FBC	LFS
1	5/30/18	ADD ADDITIONAL FRAME SIZE	RW
			BY

DATE:	3/12/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-26514.1
SHEET	3 OF 6



BUCK ANCHORING



BUCK ANCHORING
ORIEL

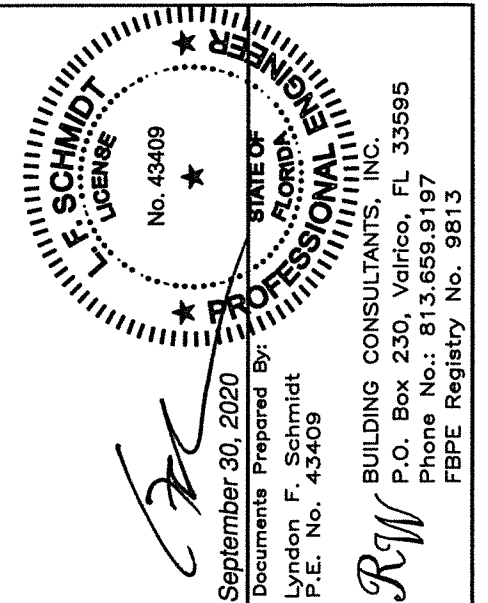
CONCRETE ANCHOR NOTES:

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:

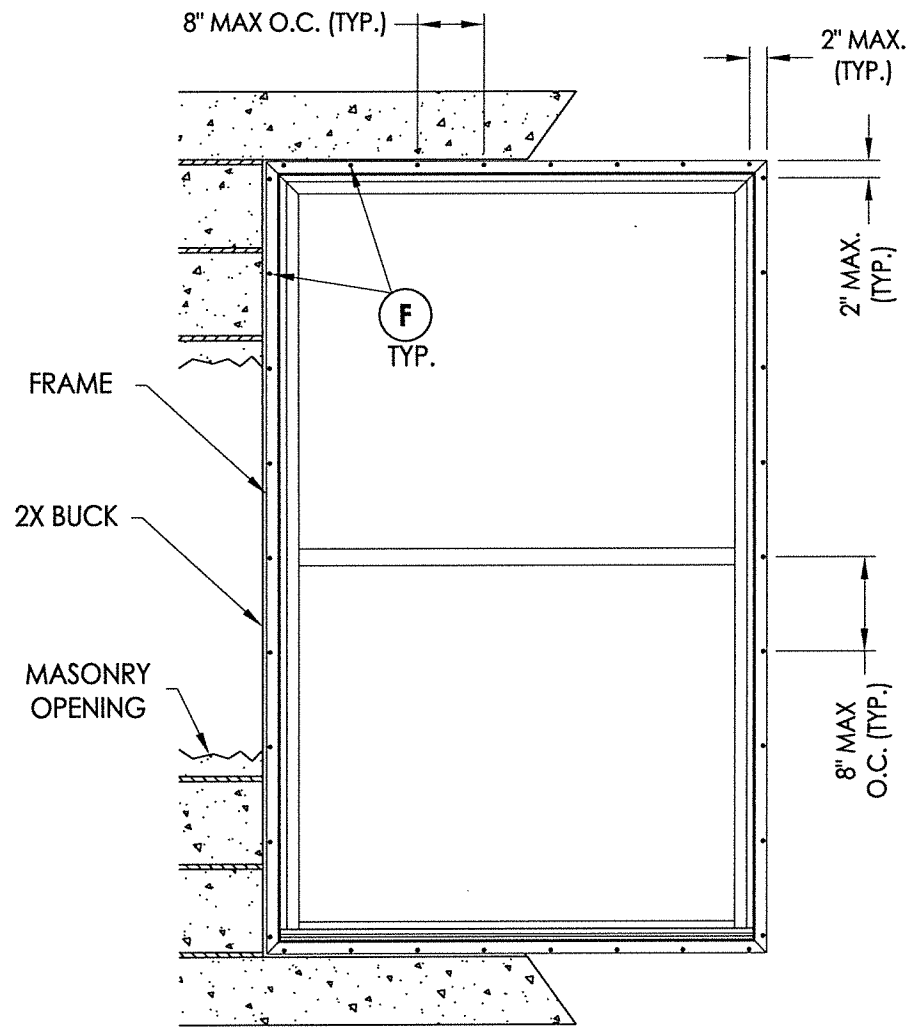
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"

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.

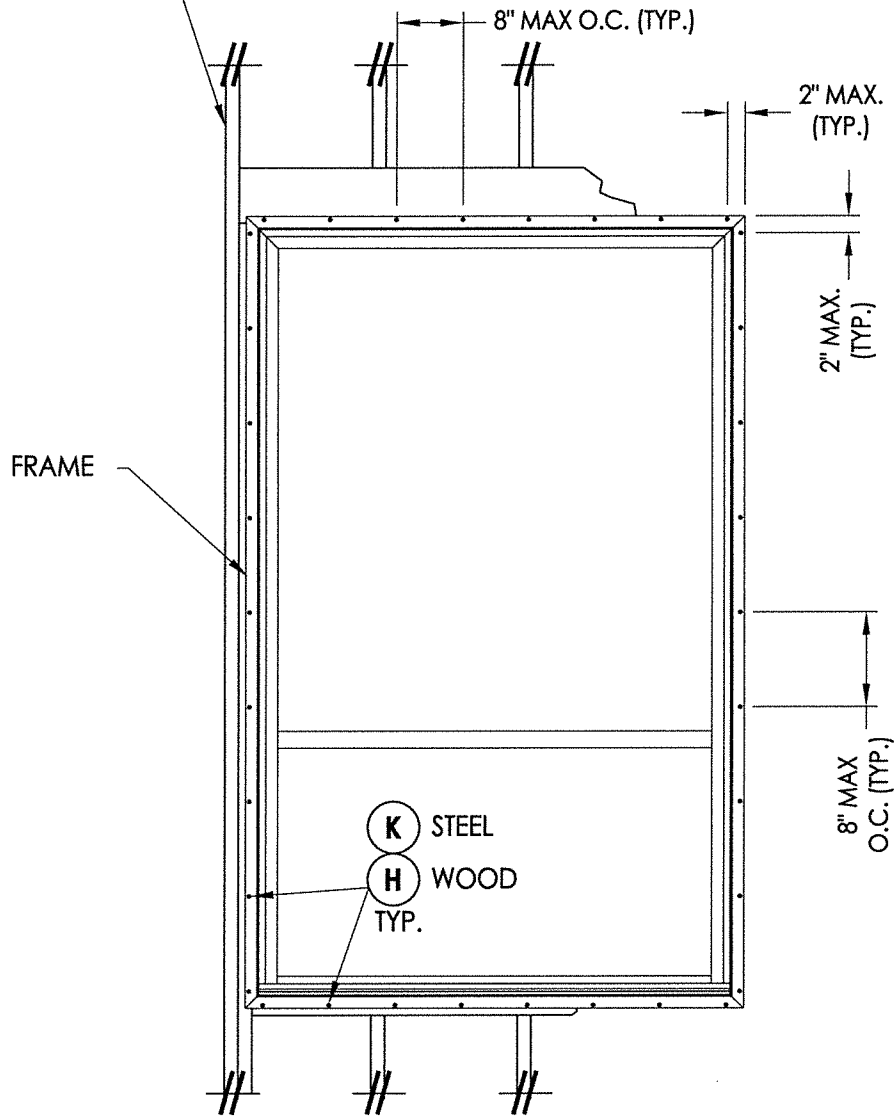


DATE: 3/12/18					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-26514.1					
SHEET 4 OF 6					

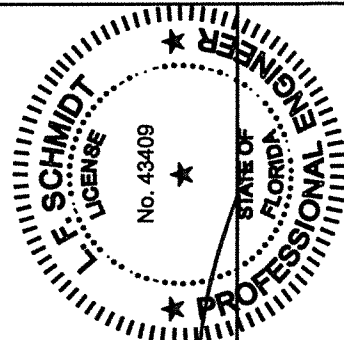


FRAME ANCHORING
Masonry 2X Buck Construction

2X WOOD STUD FRAMING OR STEEL STUD FRAMING TO BE
DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD.



FRAME ANCHORING
Stud Construction



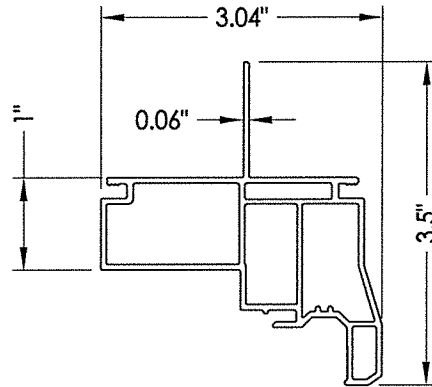
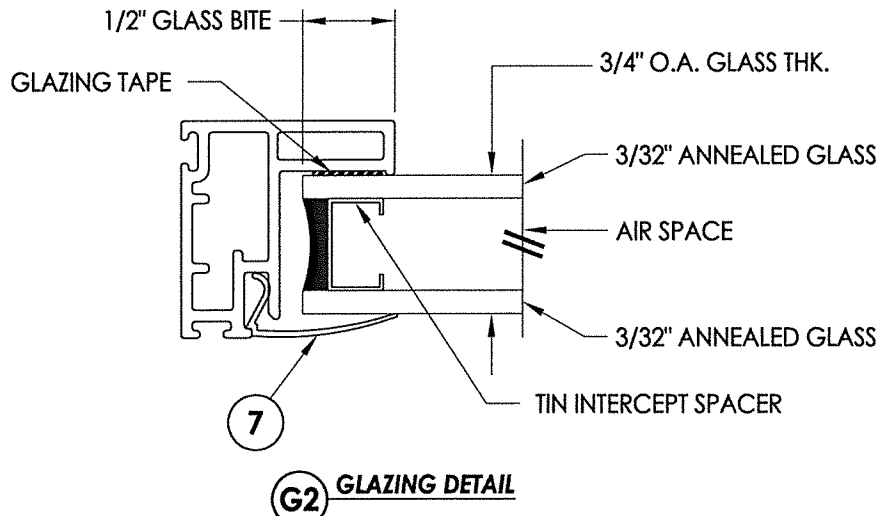
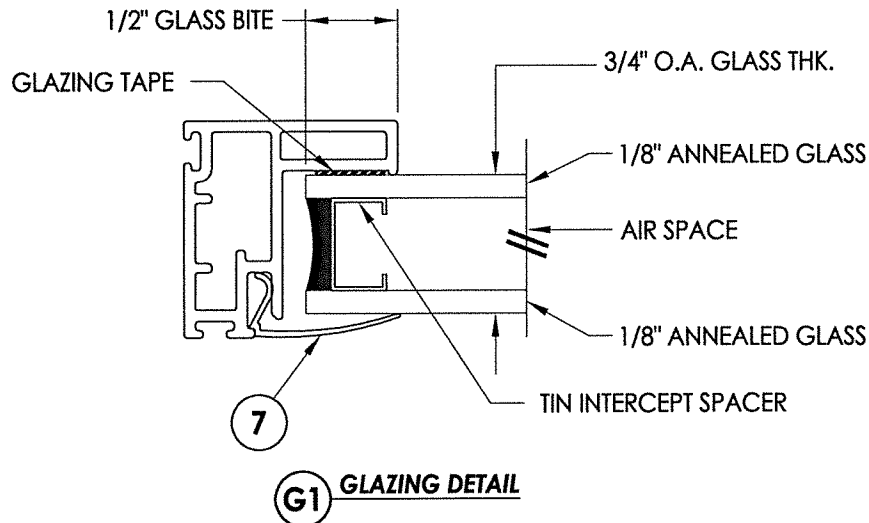
September 30, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

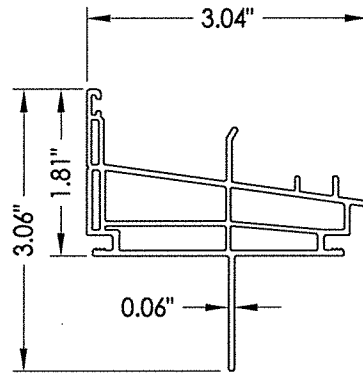
PRODUCT:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		FRAME ANCHORING	
NO.	DATE	REVISIONS	LFS
			RW
2	9/30/20	UPDATE TO 7TH ED. (2020)	FBC
1	5/30/18	ADD ADDITIONAL FRAME SIZE	
DATE:		3/12/18	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-26514.1	
SHEET		5 OF 6	

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (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 DeWALT 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" PPH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
H	#8 X 2-1/2" PPH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	EXTRUDED VINYL FRAME HEAD*	RIGID PVC
2	EXTRUDED VINYL SASH STILE/RAIL*	RIGID PVC
3	EXTRUDED VINYL FRAME JAMB*	RIGID PVC
4	EXTRUDED VINYL LOCK STILE*	RIGID PVC
5	EXTRUDED VINYL MEETING RAIL*	RIGID PVC
6	EXTRUDED VINYL SILL*	RIGID PVC
7	EXTRUDED VINYL GLAZING BEAD*	RIGID PVC
8	WEATHERSTRIP (FIN PILE)	-
14	SASH / STILE & RAIL REINFORCEMENT (S-047)(6063-T5)	ALUM
15	MEETING RAIL REINFORCEMENT (S-065)(6063-T5)	ALUM
20	CAM LOCK	-

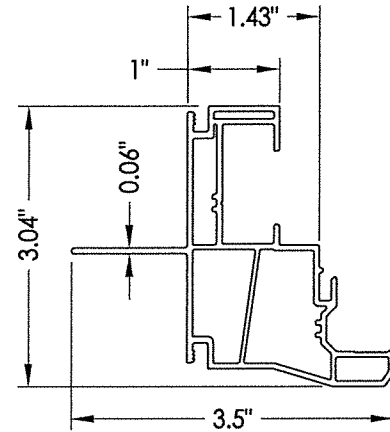
*THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS."



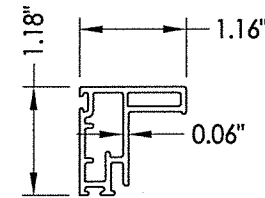
1 FRAME HEAD



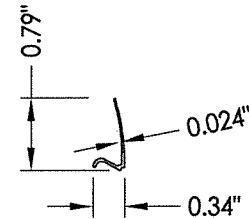
6 SIL



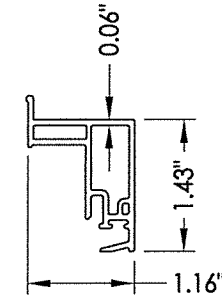
3 FRAME JAMB



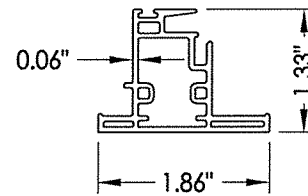
2 SASH STILE/RAIL



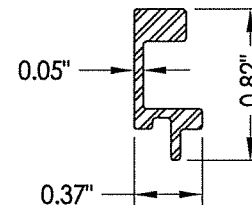
7 GLAZING BEAD



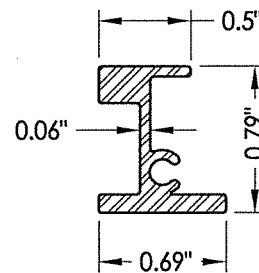
4 LOCK STILE



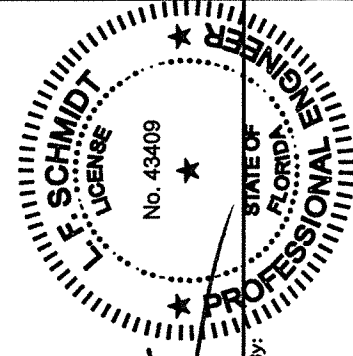
5 MEETING RAIL



14 SASH/STILE & RAIL REINFORCEMENT



15 MEETING RAIL REINFORCEMENT



September 30, 2020
Documents Prepared by
Lyndon F. Schmidt
P.E. No. 43409

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

PRODUCT:

SINGI F HUNG WINDOW

PART OR ASSEMBLY:
**BILL OF MATERIALS, GLAZING
DETAILS & COMPONENTS**

NO.	DATE	REVISIONS		
2	9/30/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
1	5/30/18	ADD ADDITIONAL FRAME SIZE		RW
				BY

DATE: 3/12/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-26514.1

SHEET 6 OF 6