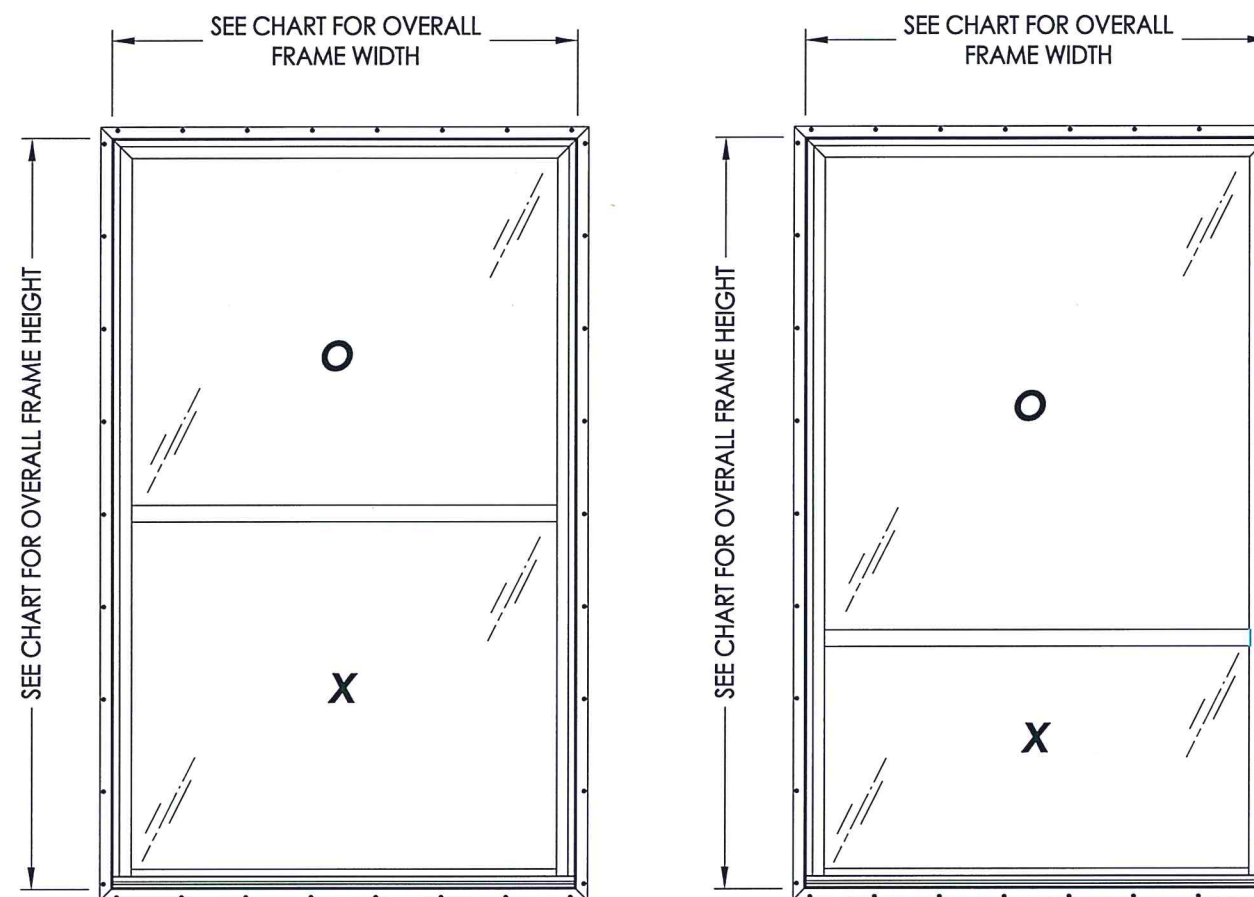




SERIES 1900 MODEL 1900
SINGLE HUNG WINDOW
w/ NAILING FIN
"NON-IMPACT"

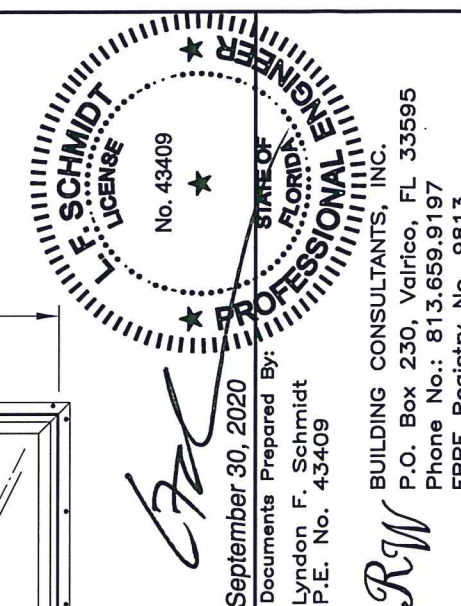
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ). See the Certification Agency Certificate for sizes, specifications and ratings.
2. Product anchors shall be as listed 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.

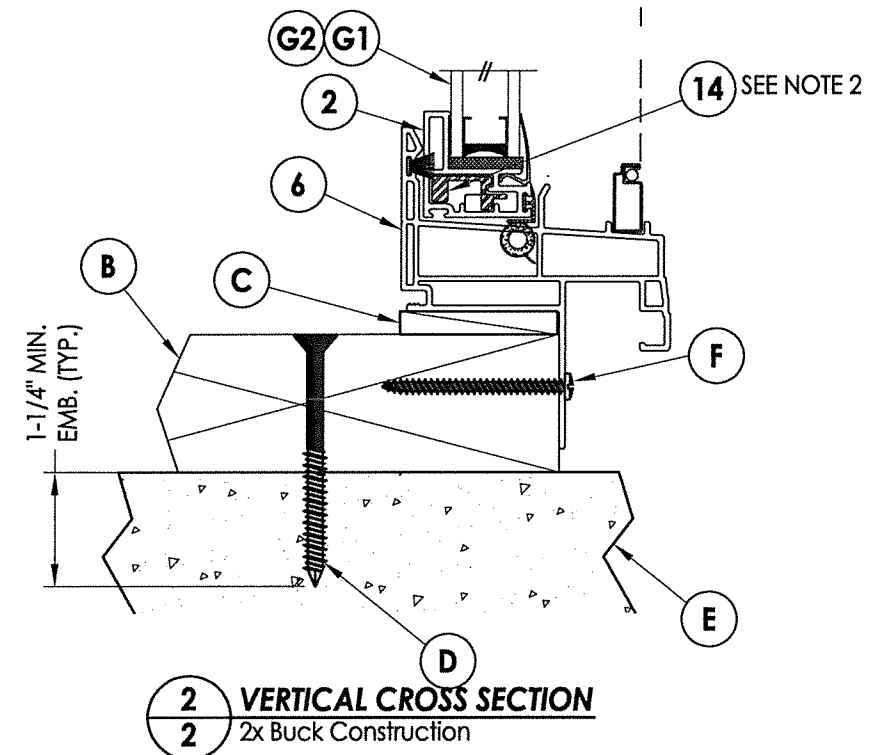
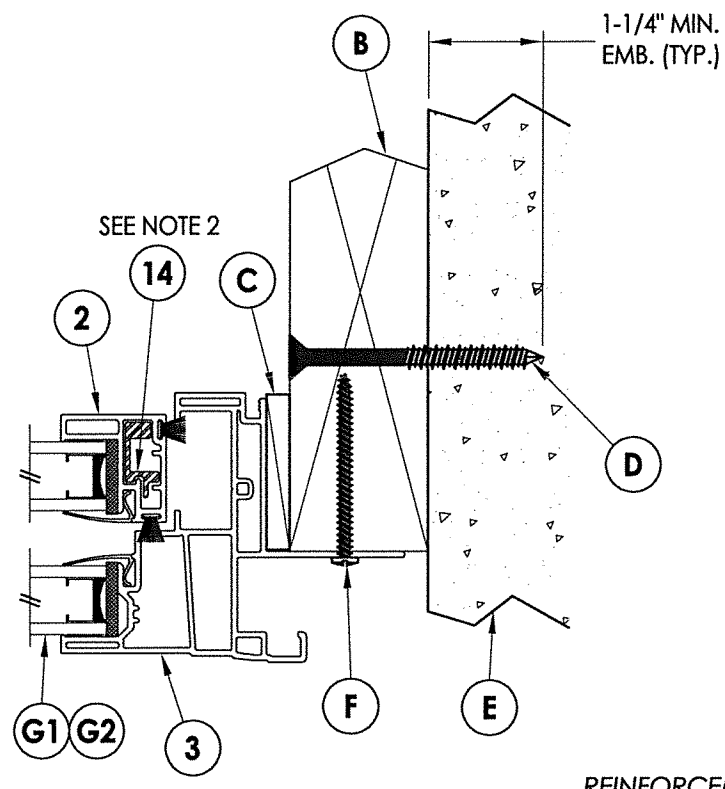
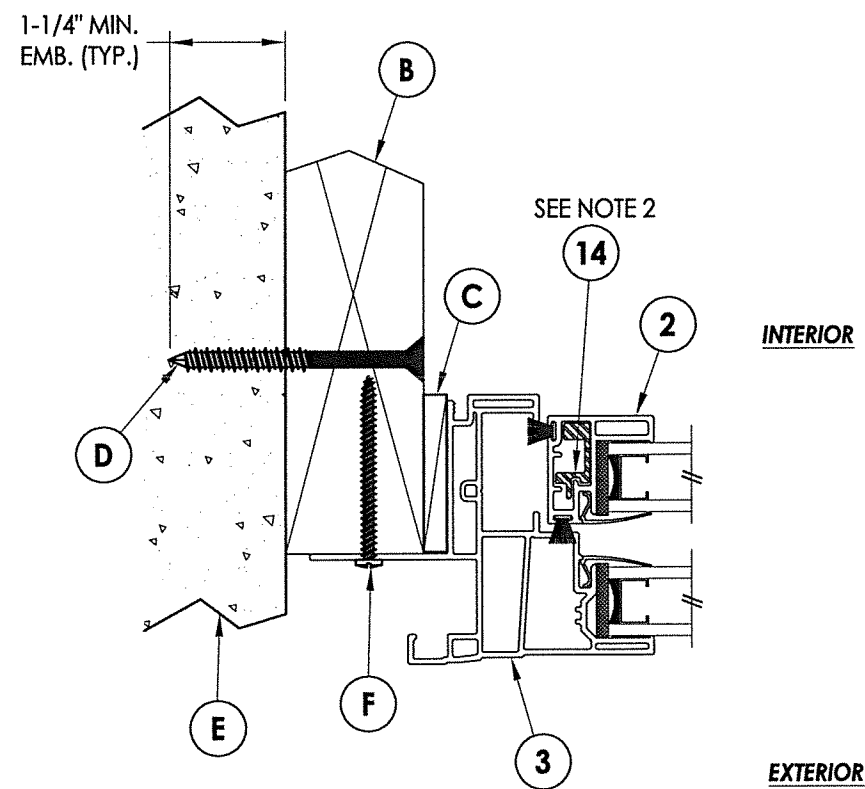
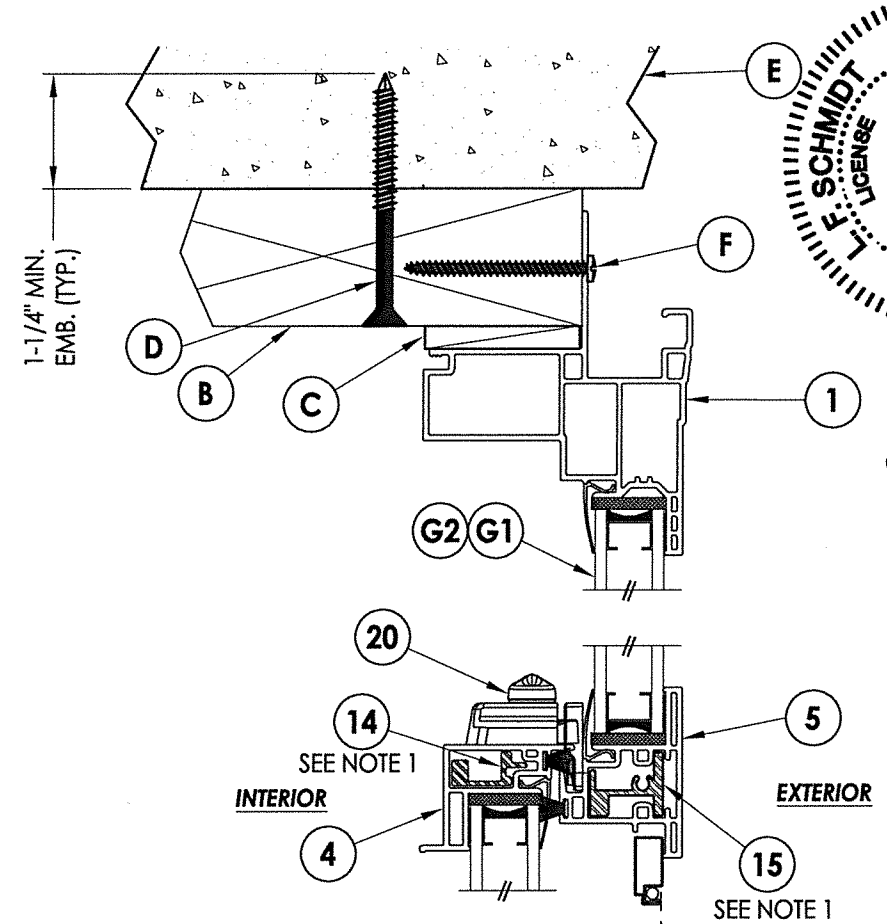
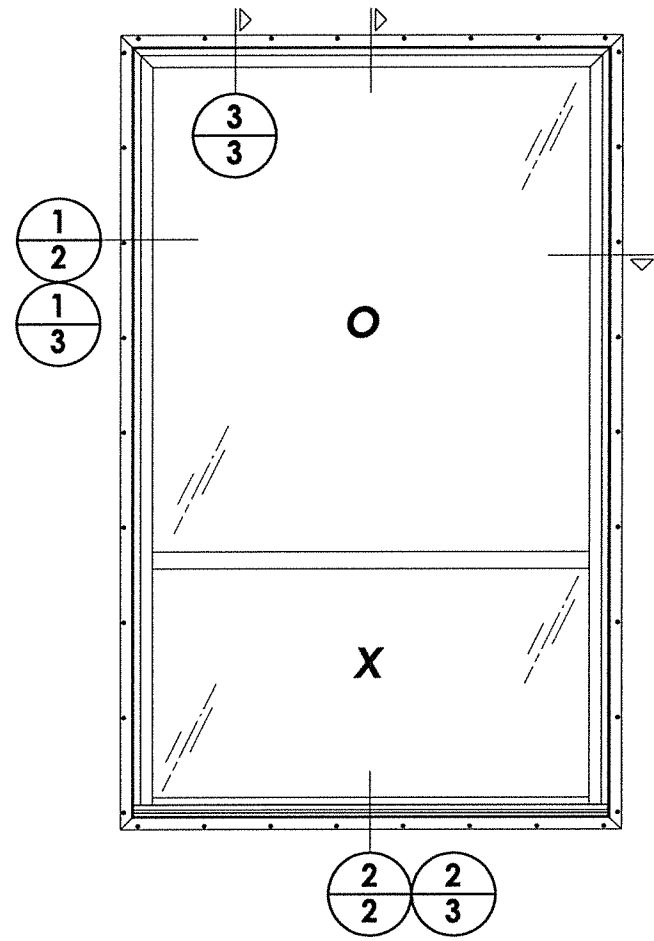
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures and general notes
2	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck anchoring
5	Frame anchoring
6	Bill of materials, glazing detail & components



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
47.0" x 78.0"	44.0" x 75.0"	39.5" x 33.875"	39.5" x 34.5"	G2	+20.0	-20.0
47.0" x 78.0"	44.0" x 75.0"	39.5" x 33.875"	39.5" x 34.5"	G1	+25.0	-25.0
51.0" x 87.0"	48.0" x 84.0"	43.375" x 38.75"	43.5" x 38.875"		+20.0	-25.0
55.0" x 81.0"	52.0" x 78.0"	47.375" x 35.75"	47.5" x 35.875"		+25.0	-25.0
51.0" x 99.0"	48.0" x 96.0"	43.5" x 60.875"	43.5" x 28.625"		+25.0	-25.0
55.0" x 87.0"	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 VERTICAL CROSS SECTION
2x Buck Construction

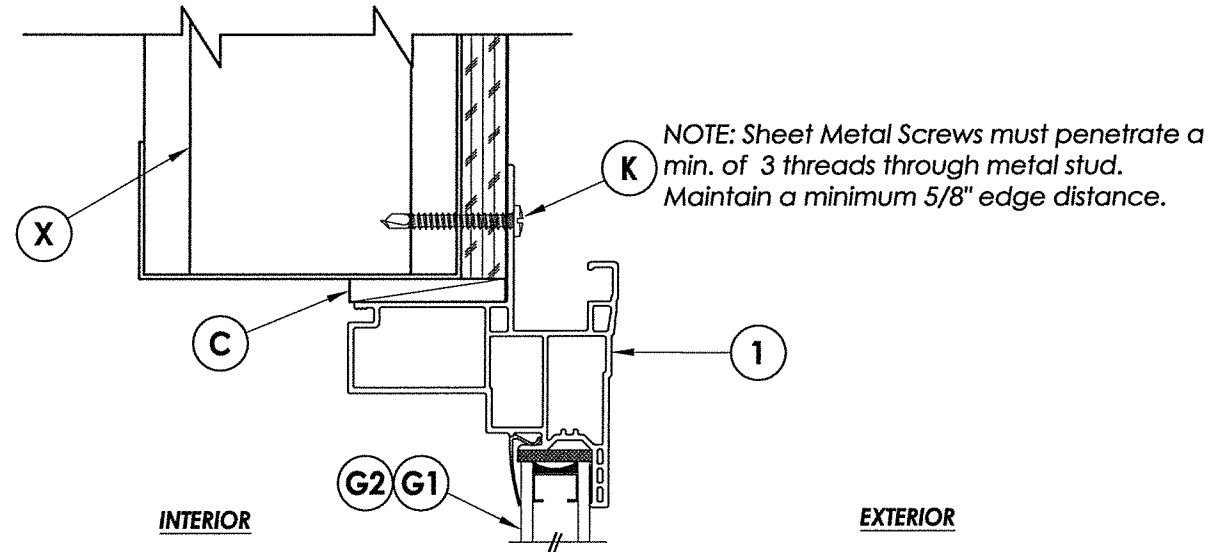
1. LOCK & MEETING RAIL REINFORCEMENTS ARE REQUIRED FOR ALL WINDOW FRAME SIZES.
2. SASH STILE & BOTTOM RAIL REINFORCEMENTS ARE REQUIRED FOR EACH OF THE FOLLOWING:
 - A. ALL WINDOW FRAME SIZES > 44" x 75".
 - B. ALL WINDOW FRAME SIZES WITH DESIGN PRESSURE > 20 PSF.

The seal is circular with a double-lined border. The outer ring contains the text "F. SCHMIDT" on the left and "PROFESSIONAL ENGINEER" on the right, separated by two stars. The inner ring contains the text "LICENSE" on the left and "STATE OF FLORIDA" on the right, also separated by two stars. In the center of the seal, the text "No. 43409" is displayed above a single star. A small circle with the letter "E" is located to the left of the seal.

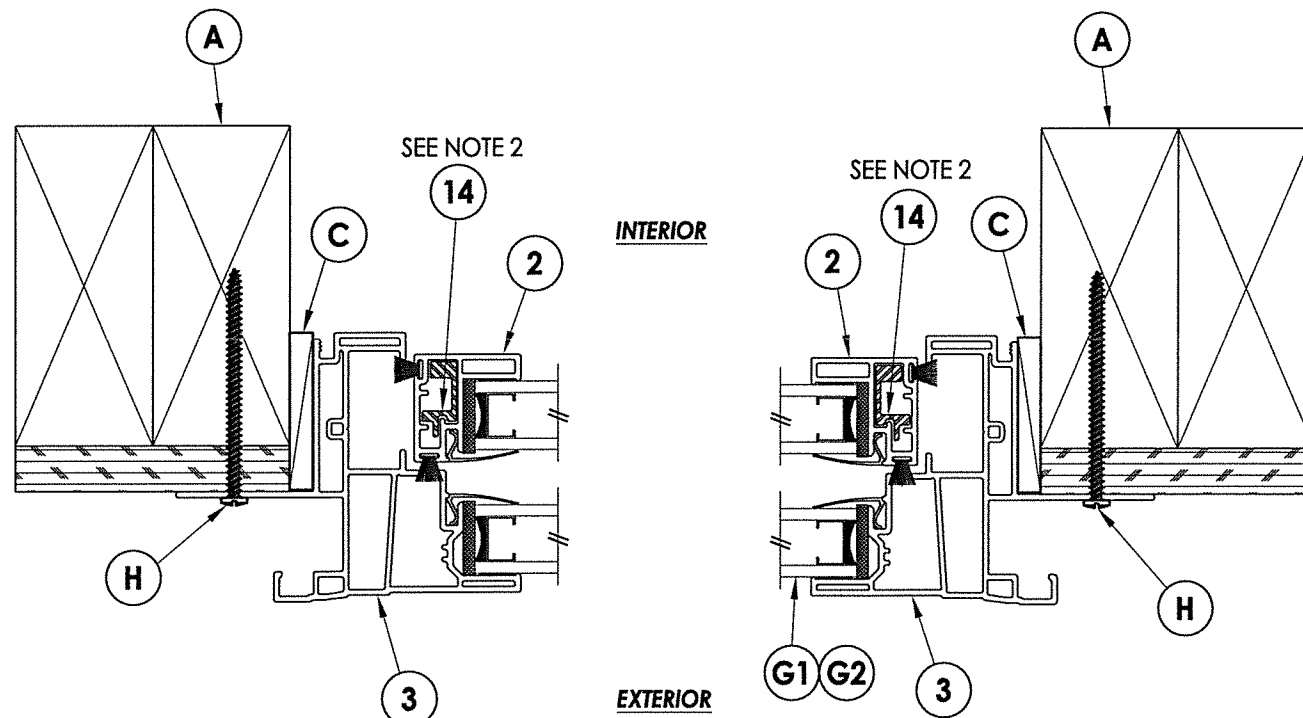
September 30, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

DATE: 3/12/18		PRODUCT: SINGLE HUNG WINDOW	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-26514.3			
SHEET 2 OF 6	2 9/30/20 UPDATE TO 7TH ED. (2020) FBC 1 5/30/18 ADD ADDITIONAL FRAME SIZE NO. DATE REVISIONS		
		LFS RW BY	

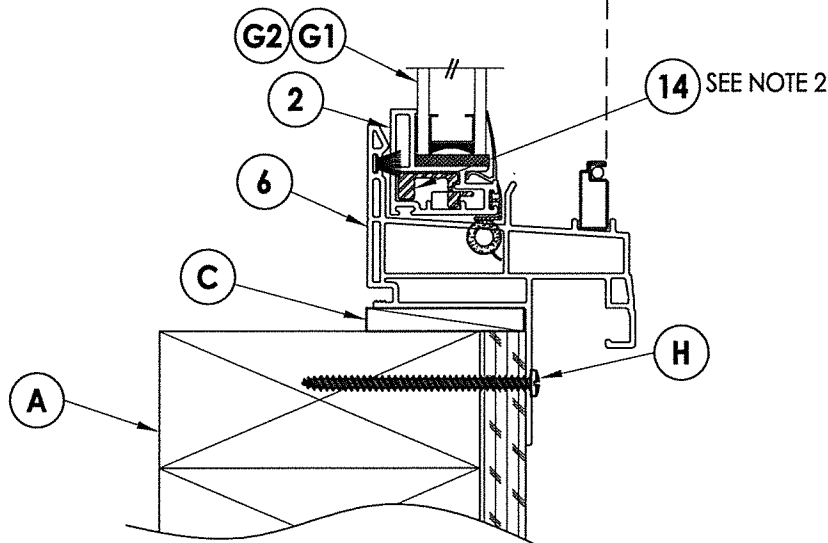
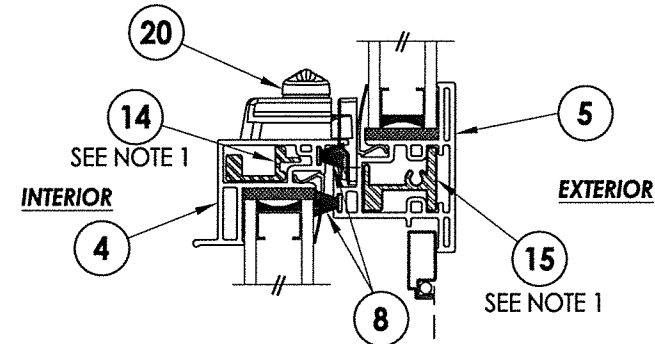
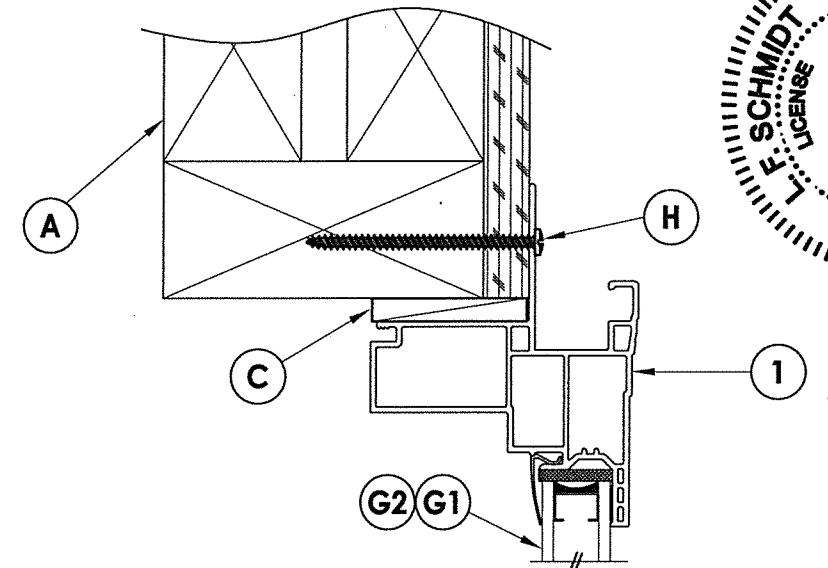


3 VERTICAL CROSS SECTION
Steel Stud Construction

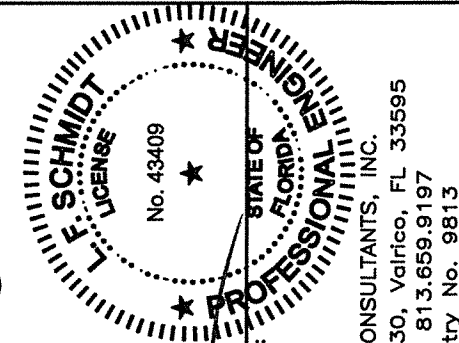


1 HORIZONTAL CROSS SECTION
Stud Construction

- 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.



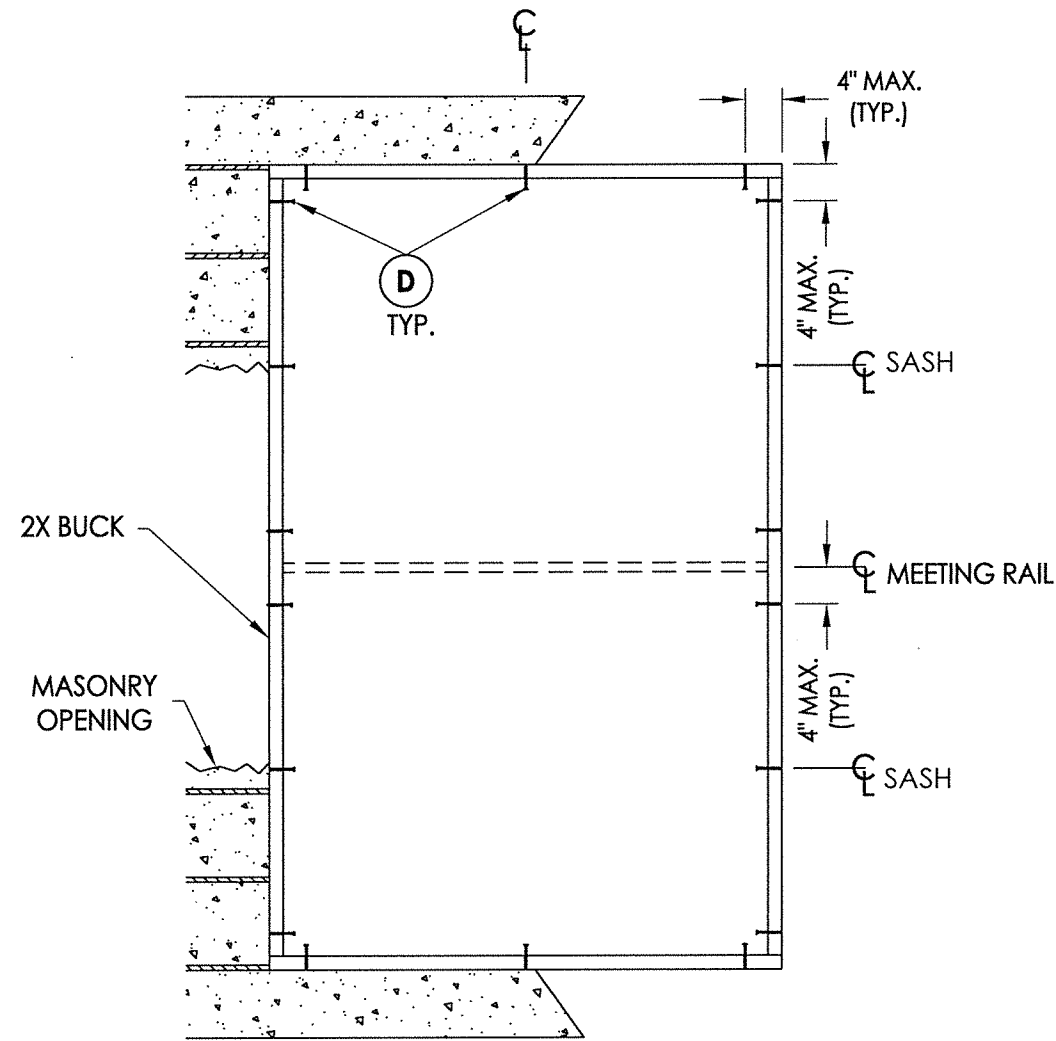
2 VERTICAL CROSS SECTION
Stud Construction



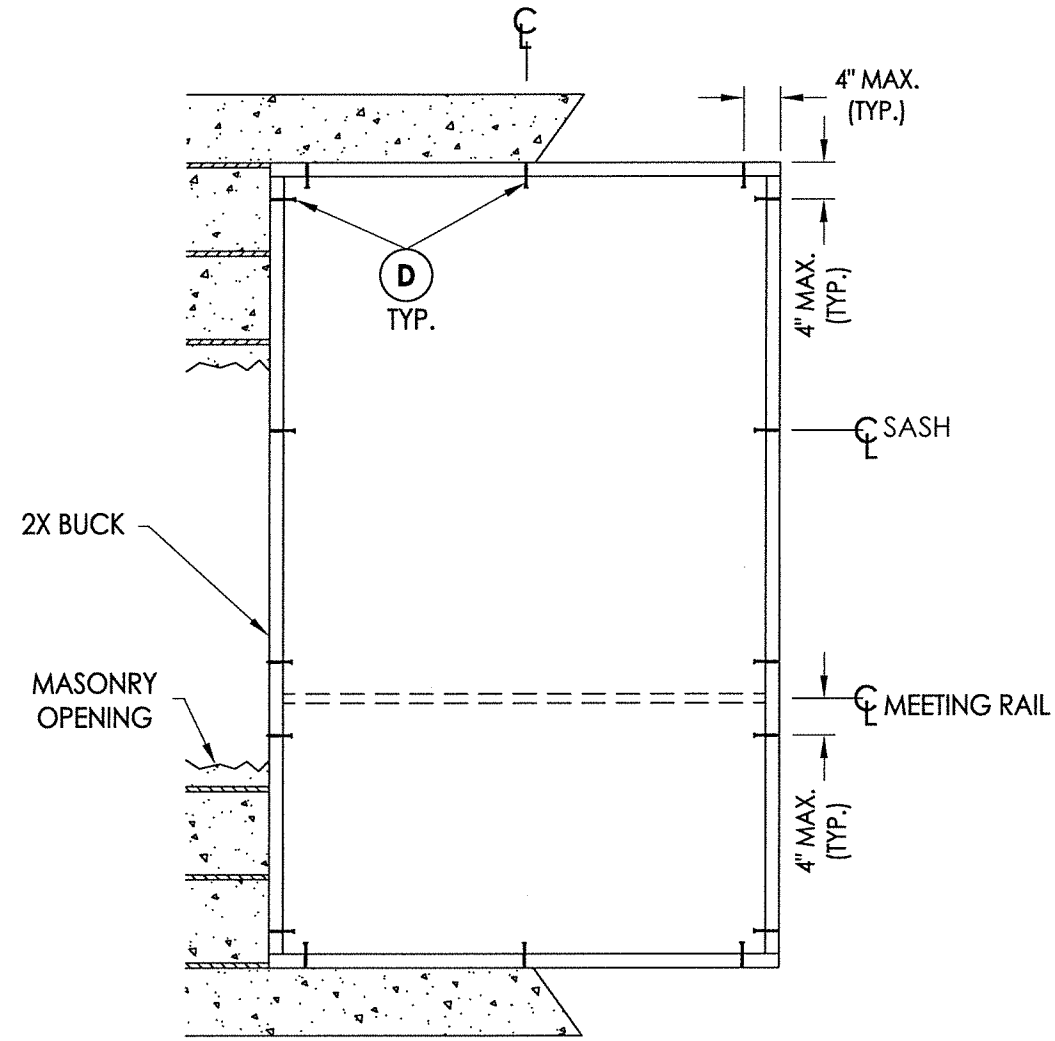
September 30, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

DATE: 3/12/18
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-26514.3
SHEET 3 OF 6



BUCK ANCHORING



**BUCK ANCHORING
ORIEL**

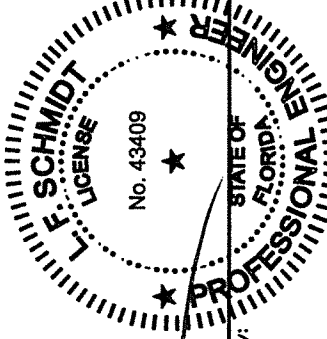
CONCRETE ANCHOR NOTES:

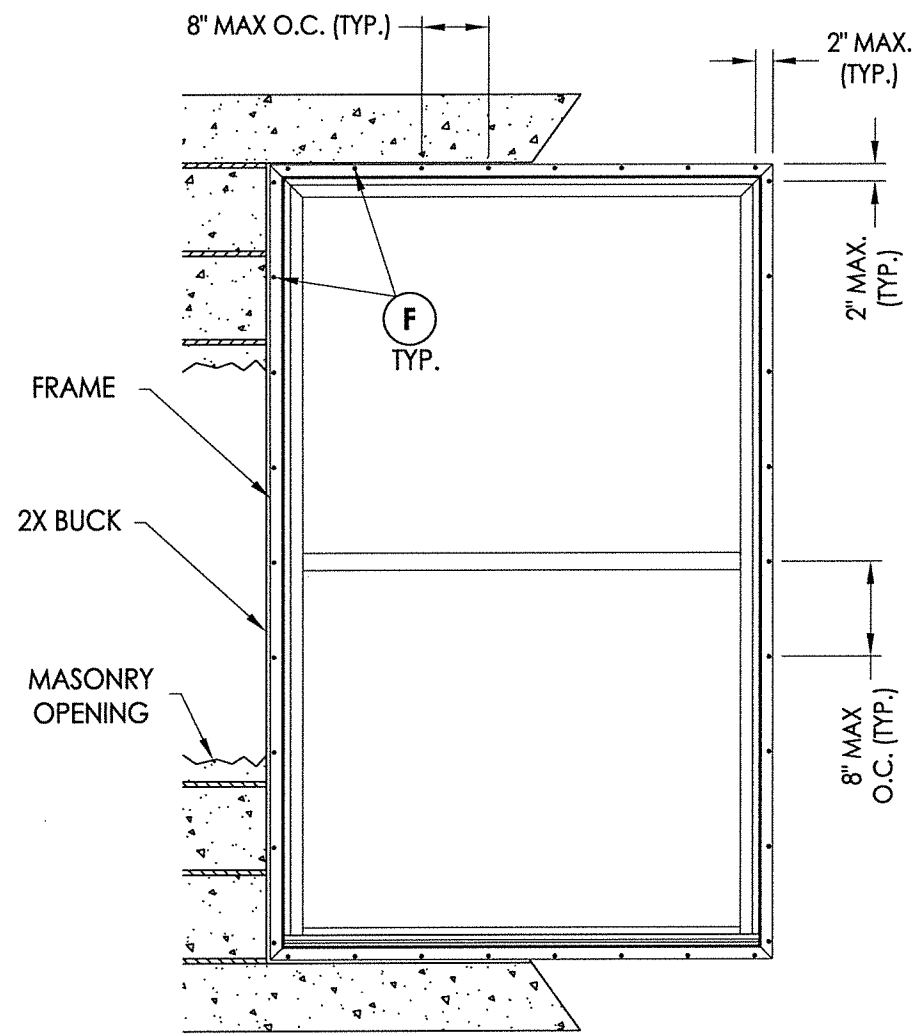
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. 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 ULTRACON+®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

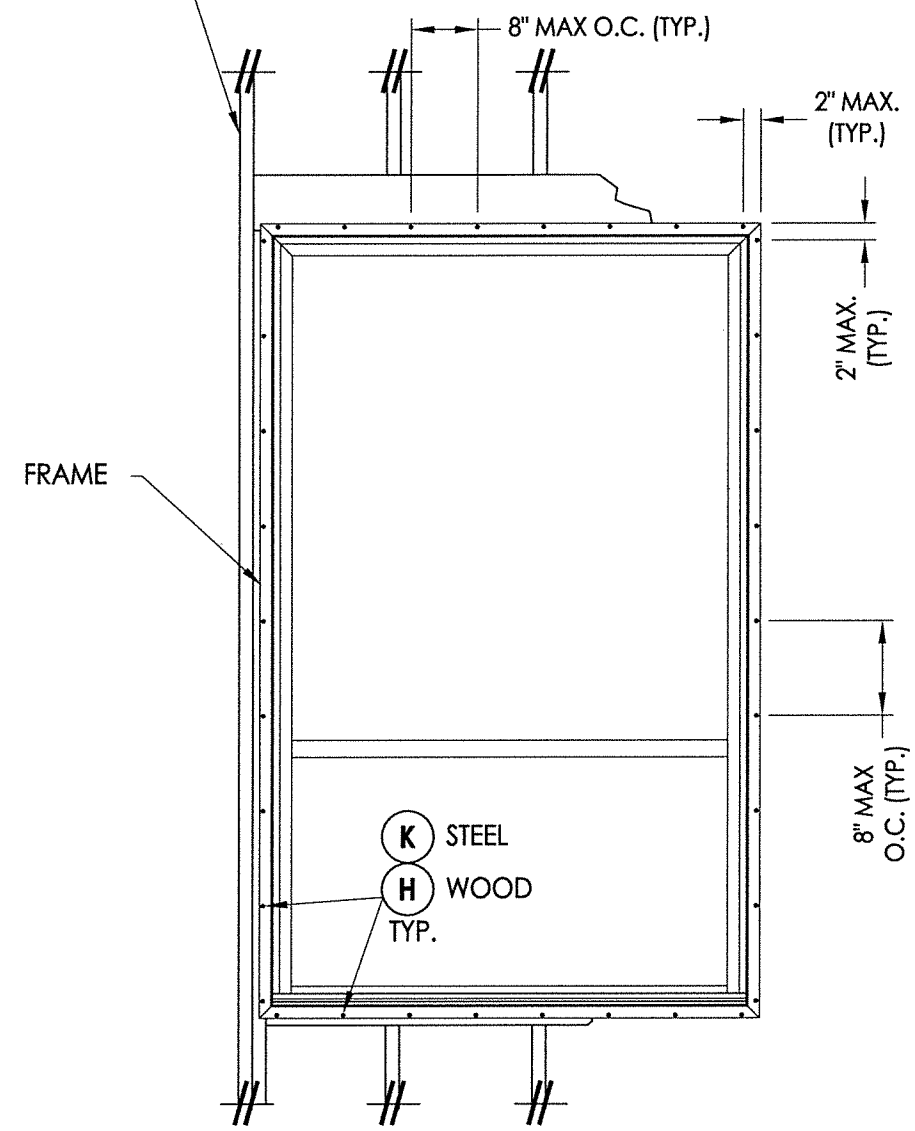
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

			
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:	BUCK ANCHORING		
DATE	NO.	BY	REVISIONS
9/30/20	2	LFS	UPDATE TO 7TH ED. (2020)
5/30/18	1	RW	ADD ADDITIONAL FRAME SIZE
DATE			
NO.			
BY			
REVISIONS			
DATE: 3/12/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-26514.3			
SHEET 4 OF 6			

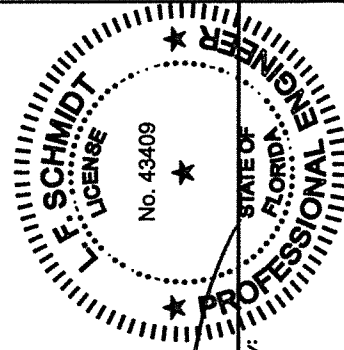


FRAME ANCHORING
Masonry 2X Buck Construction

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



FRAME ANCHORING
Stud Construction



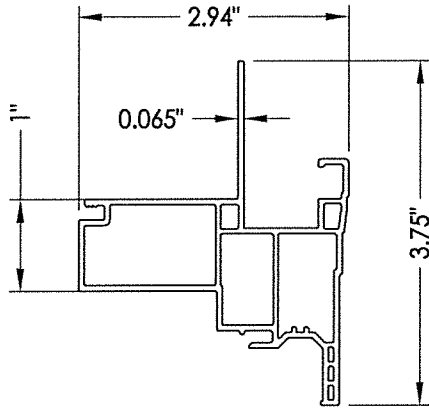
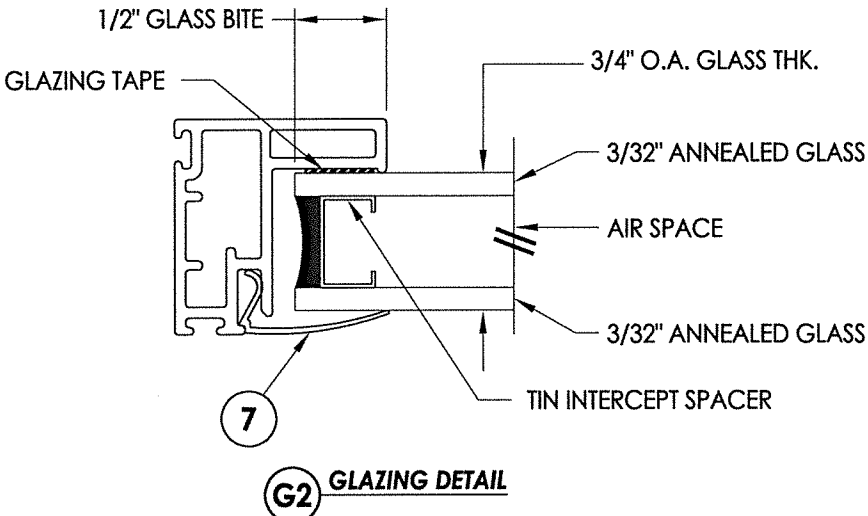
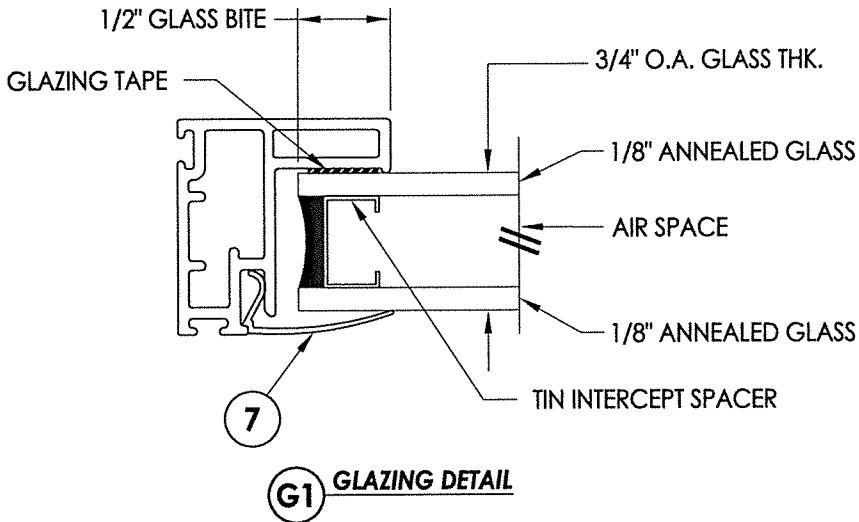
September 30, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		FRAME ANCHORING	
		LFS	RW
2	9/30/20	UPDATE TO 7TH ED. (2020)	FBC
1	5/30/18	ADD ADDITIONAL FRAME SIZE	RW
NO.	DATE		BY
REVISIONS			
DATE: 3/12/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-26514.3			
SHEET 5 OF 6			

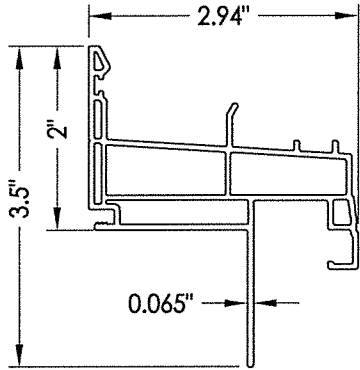
R:\Clients\Associated PERMANENTVA - Florida Product Approvals\FL-26514 Windows - Single Hung (CM)\C - Drawings\FL-26514 (2020)\FL-26514.1-4.dwg, 3-6

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 RAIL*	RIGID PVC
5	EXTRUDED VINYL MEETING STILE*	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	-

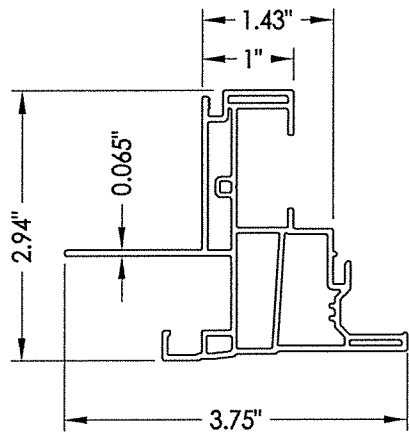
*THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS."



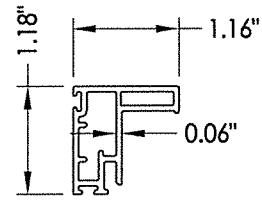
1 FRAME HEAD



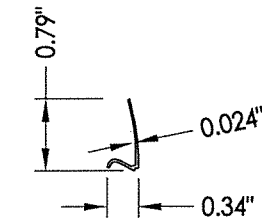
6 SILL



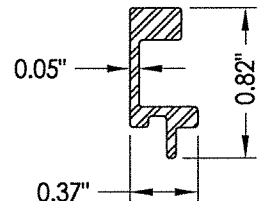
3 FRAME JAMB



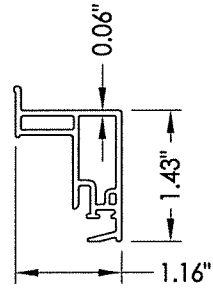
2 SASH STILE/RAIL



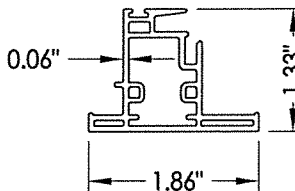
7 GLAZING BEAD



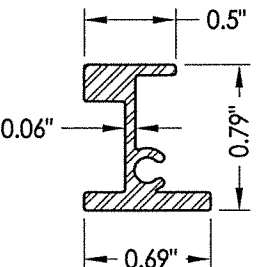
14 SASH/STILE & RAIL REINFORCEMENT



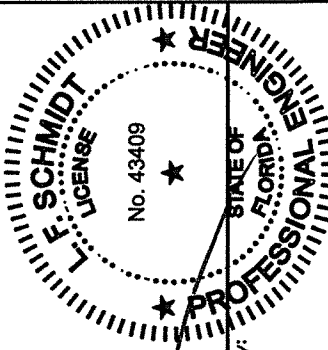
4 LOCK RAIL



5 MEETING RAIL



15 MEETING RAIL REINFORCEMENT



September 30, 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:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS	
		LFS	RW
		BY	
REVISIONS			
		DATE	
2	9/30/20	UPDATE TO 7TH ED. (2020)	FBC
1	5/30/18	ADD ADDITIONAL FRAME SIZE	
		NO.	
DATE: 3/12/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-26514.3			
SHEET 6 OF 6			

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