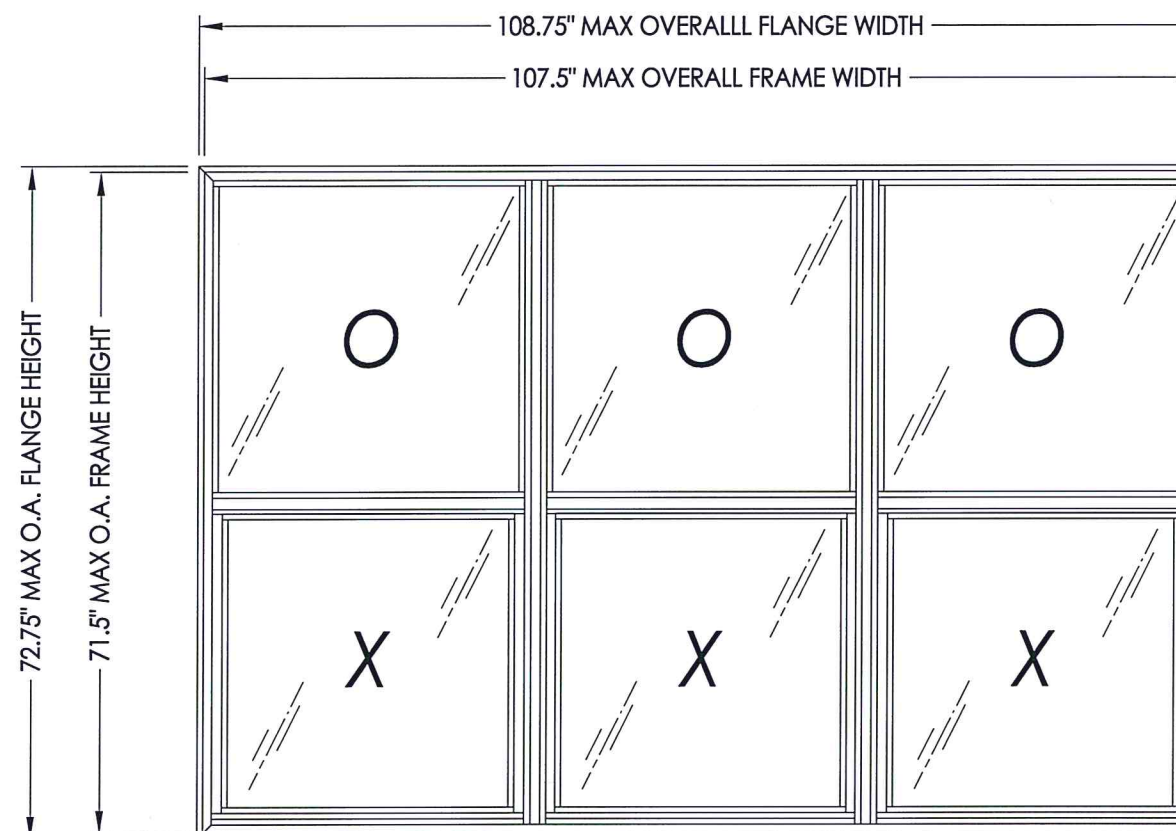




4900 SH/SH/SH Triple
Single Hung / Single Hung / Single Hung
"NON-IMPACT"

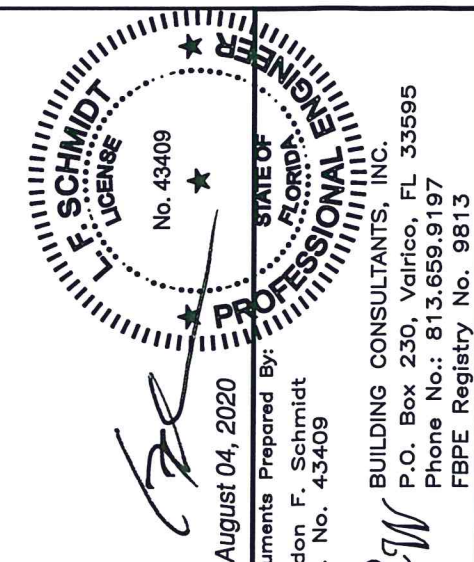
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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	Elevation
3	Vertical & horizontal cross sections
4	Vertical & horizontal cross sections
5	Buck & frame anchoring
6	Components
7	Bill of materials and glazing details



MAX. O.A. FIN DIMENSION	MAX. O.A. FRAME DIMENSION	MAX. SASH D.L.O. DIMENSION	MAX. FIXED D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
108.75" x 72.75"	107.5" X 71.5"	29.5" x 31.0"	32.25" x 32.75"	G1	+40.0	-55.0
108.75" x 72.75"	107.5" X 71.5"	29.5" x 31.0"	32.25" x 32.75"	G1	+50.0*	-55.0
108.75" x 72.75"	107.5" X 71.5"	29.5" x 31.0"	32.25" x 32.75"	G2	+60.0*	-65.0

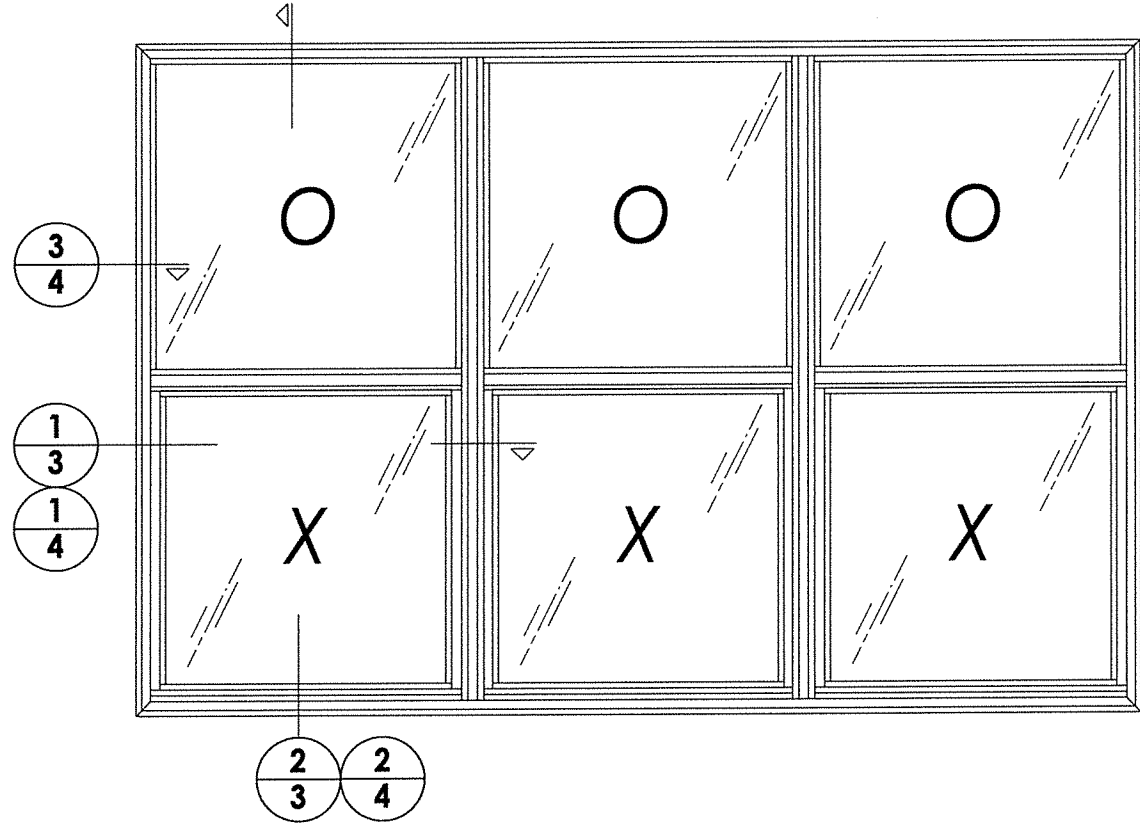
*Requires sill riser



Documents Prepared By:
Lyndon F. Schmidt
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RCW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

[illegible]



DATE: 10/10/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16854.20

SHEET 2 OF 7

[illegible]PRODUCT:

SINGLE HUNG WINDOW

PART OR ASSEMBLY:

ELEVATION

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

August 04, 2020

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

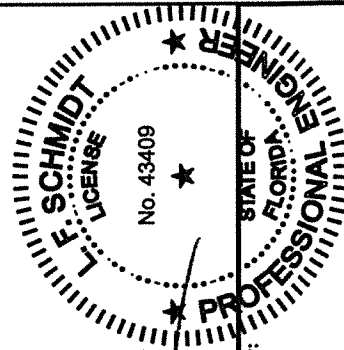
RAI BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

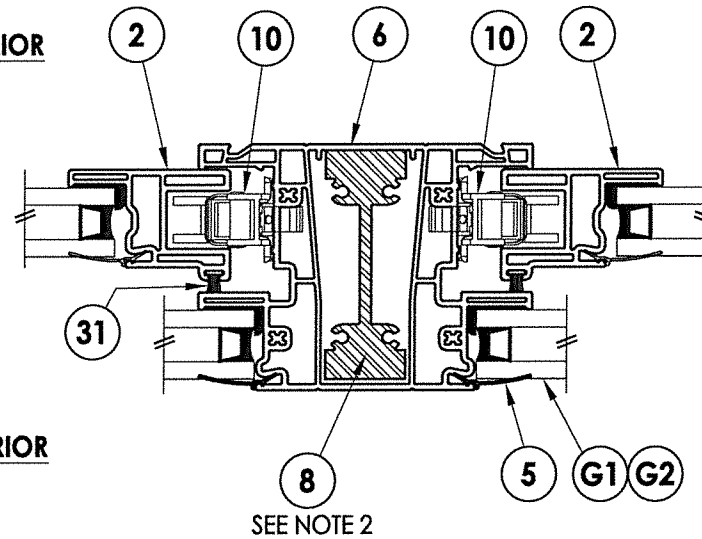
Phone No.: 813.659.9197
ERBE Registry No. 9813

FBPE Registry No. 9813

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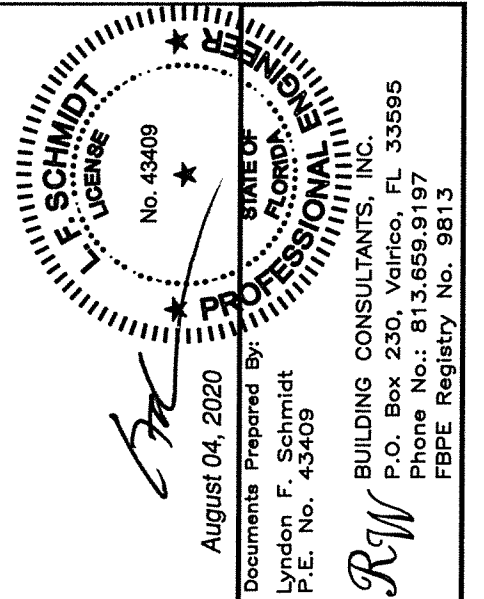
1 **HORIZONTAL CROSS SECTION**
3 2X Buck Masonry Construction



1-1/4" MIN.
EMB. (TYP.)

Diagram illustrating the components of a door lock assembly, showing the EXTERIOR and INTERIOR views. The assembly includes a lock cylinder (3), a plug (4), a plug pin (5), a plug pin spring (12), a plug pin follower (14), a plug pin follower spring (21), a plug pin follower follower (22), and a plug pin follower follower spring (31). The label "SEE NOTE 1" is present.

2 VERTICAL CROSS SECTION
3 2X Buck Masonry Construction



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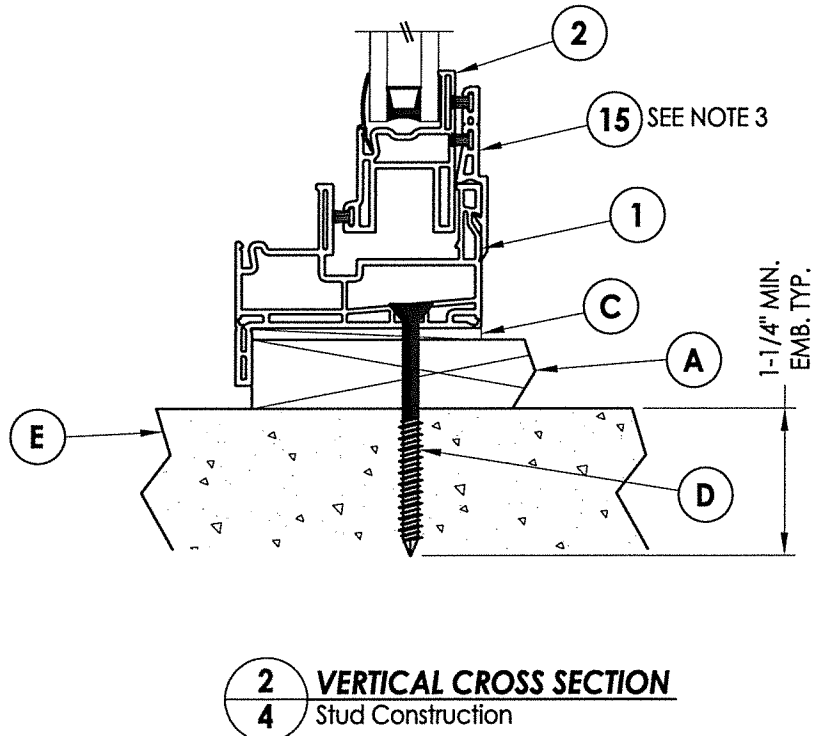
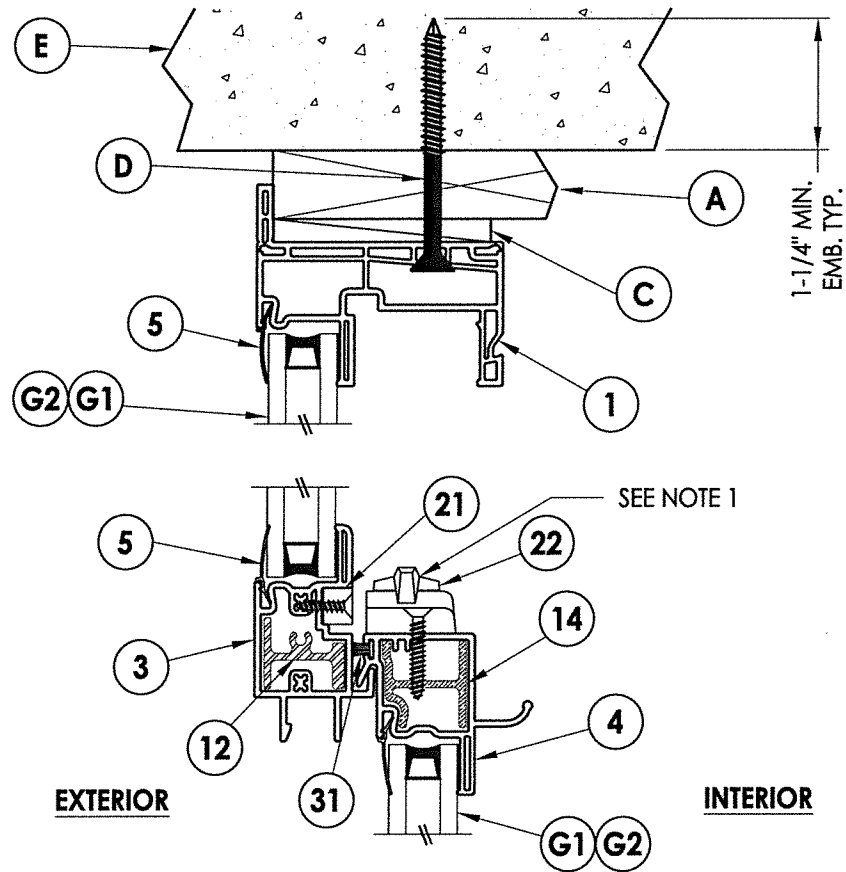
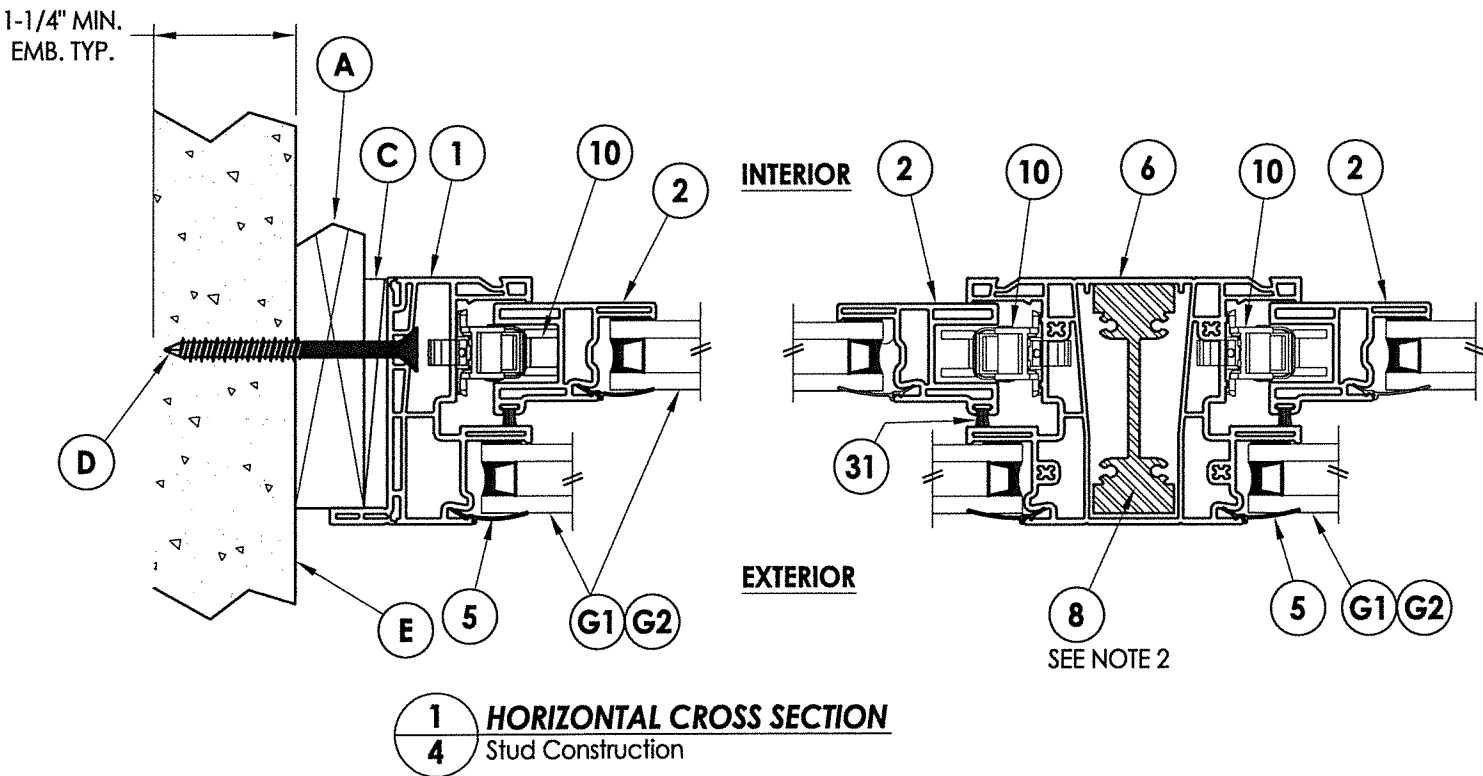
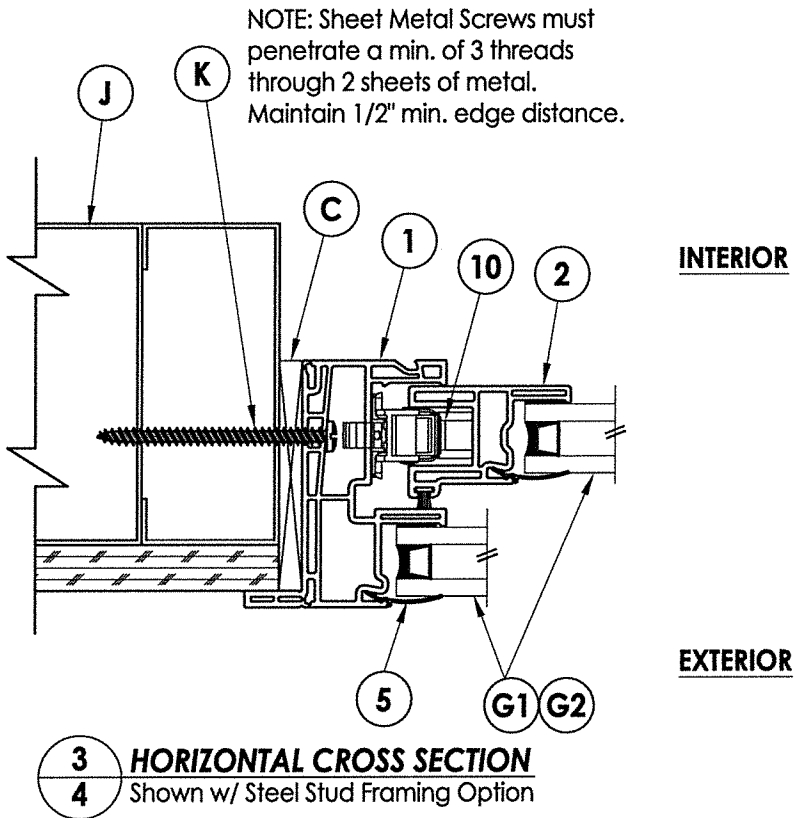
PART OR ASSEMBLY:

VERTICAL & HORIZONTAL
CROSS SECTIONS

[illegible]

DATE:	10/10/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16854.20
SHEET	3 OF 7

- NOTES:
1. Lock and keeper located 7" from each end of frame jamb.
 2. Meeting rail reinforcement is continuous through the integral mullion.
 3. Sill riser required when positive design pressure > 40 psf.



E. SCHMIDT
LICENSE
No. 43409
August 04, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

STATE OF FLORIDA
REGISTERED PROFESSIONAL ENGINEER

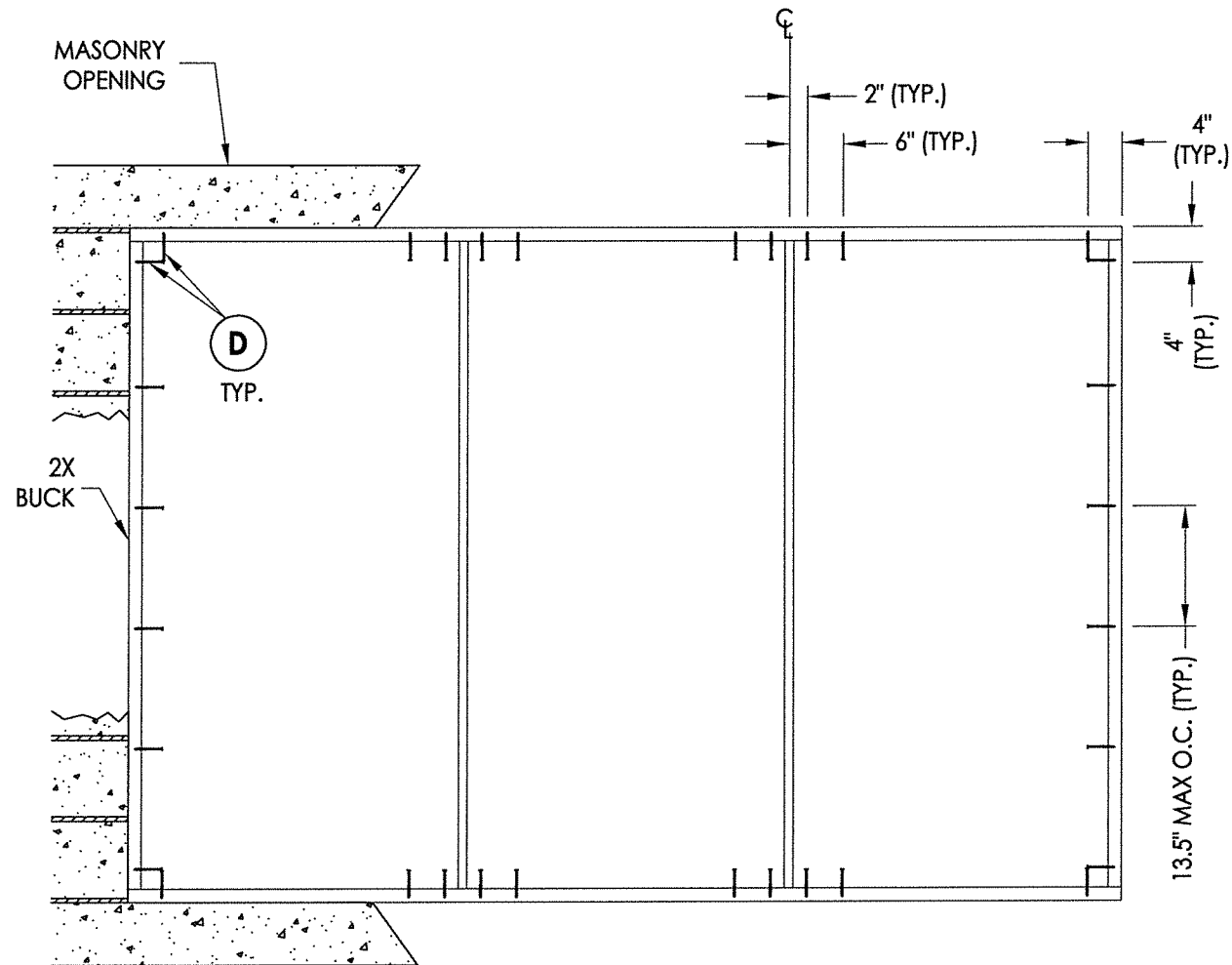
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: SINGLE HUNG WINDOW

PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
2	8/04/20	UPDATE TO 7th ED. (2020) FBC
1	2/08/18	REVISE DESIGN PRESSURE TABLE

DATE: 10/10/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16854.20
SHEET 4 OF 7



BUCK ANCHORING

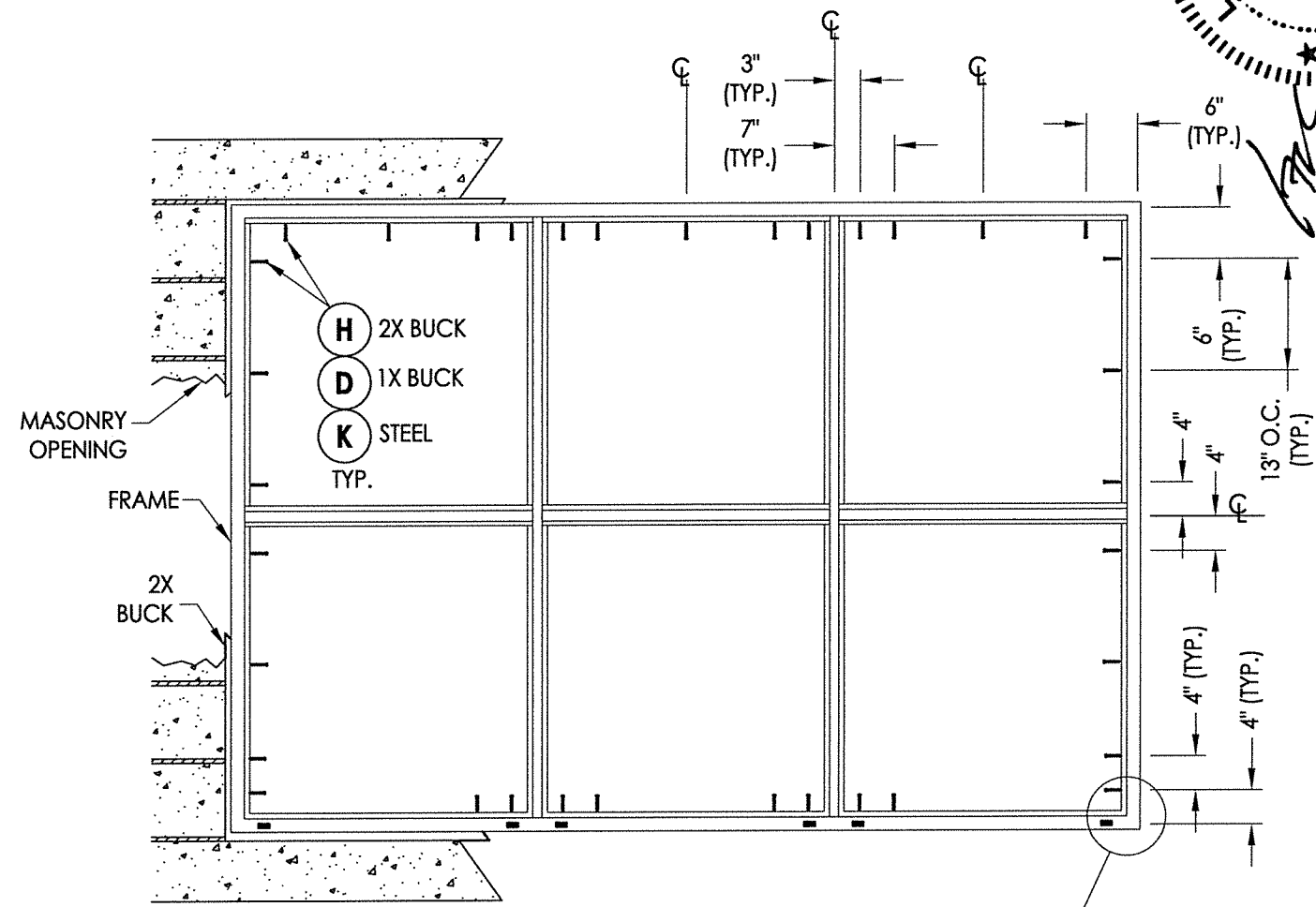
CONCRETE ANCHOR NOTES:

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:

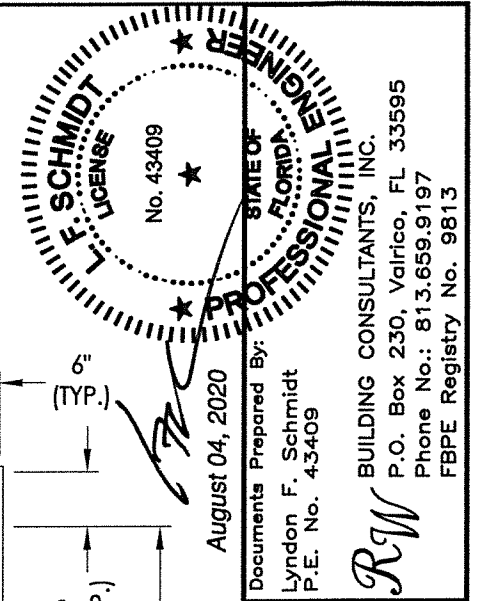
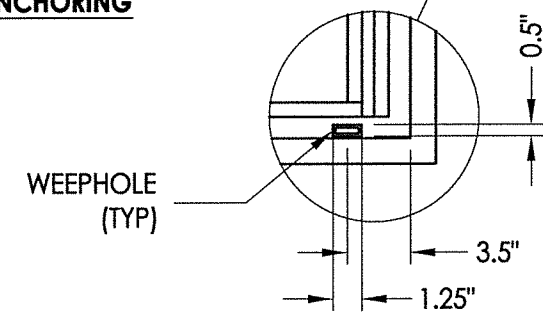
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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.



FRAME ANCHORING



DATE: 10/10/17		PRODUCT:		SINGLE HUNG WINDOW
SCALE: N.T.S.		PART OR ASSEMBLY:		
DWG. BY: JK		BUCK & FRAME ANCHORING		
CHK. BY: LFS				
DRAWING NO.: FL-16854.20				
SHEET 5 OF 7				

Technical drawing of a mechanical part, likely a bracket or support structure, showing dimensions in inches. The overall width is 3.64". The overall height is 2.688". The height of the central vertical section is 1.817". The width of the base is 2.375". A small dimension of 0.065" is indicated on the right side, pointing to a specific feature.

Technical drawing of a mechanical part, likely a bracket or support. The drawing shows a side view with the following dimensions:

- Overall height: 1.76"
- Overall width: 1.20"
- Height of the upper section: 1.135"
- Thickness of the central vertical plate: 0.065"

Technical drawing of a mechanical part with dimensions: 0.875", 0.075", 0.5", 0.125", and 0.78".

Technical drawing of a mechanical part, likely a cross-section of a shaft or a similar component. The drawing shows a central vertical shaft with a diameter of 0.125". The shaft is flanked by two horizontal sections, each with a width of 0.875". The total height of the part is 2.5". The top horizontal section has a thickness of 0.598". The drawing includes hatching to indicate the material and a dimension line for the total height.

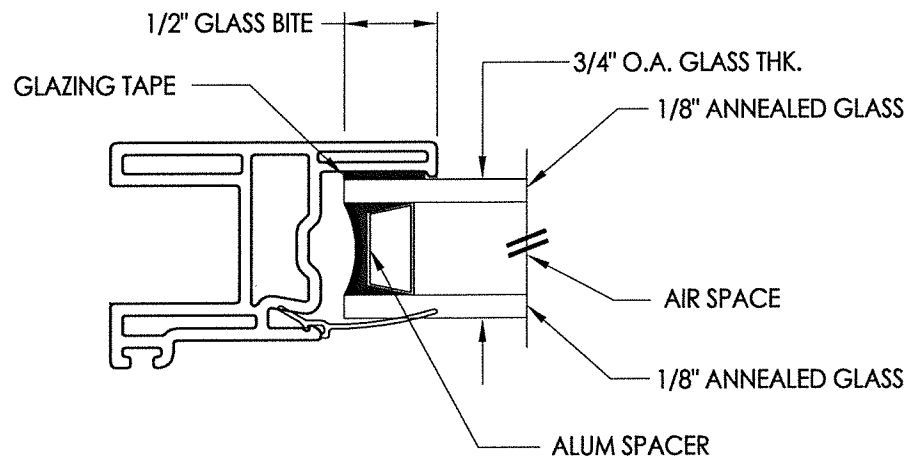
Documents Prepared By:
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RW
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FBPE Registry No. 9813

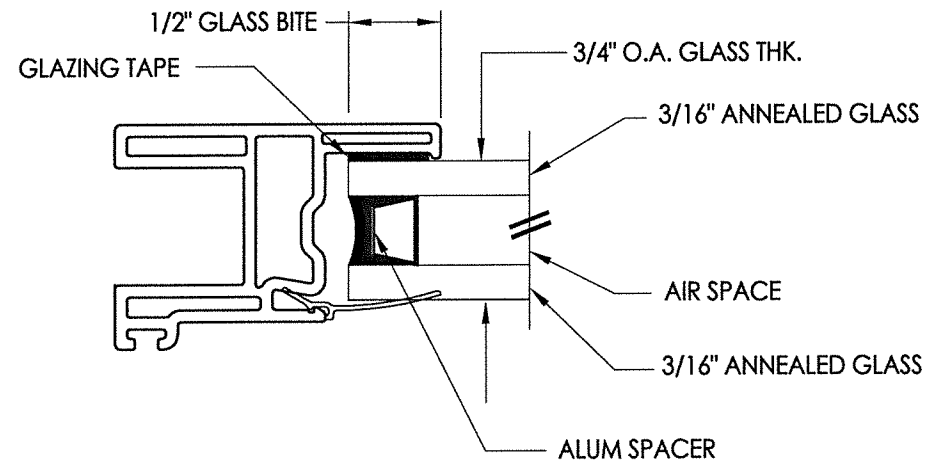
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	3/8" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 X 1" PPH WS (7/8" MIN. EMBEDMENT)	STEEL
G	2X STUD (SG >= 0.55)	WOOD
H	#10 X 2-1/2" PPH SMS (1-3/4" 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	FRAME (FIN)*	PVC
2	STILE / BOTTOM RAIL*	PVC
3	MEETING RAIL*	PVC
4	LOCK RAIL*	PVC
5	GLAZING BEAD*	PVC
6	MULLION*	PVC
8	MULLION REINFORCEMENT	6063-T6 ALUM.
10	WINDOW BALANCE	-
12	REINFORCEMENT (MEETING RAIL)	6063-T6 ALUM.
14	REINFORCEMENT (LOCK RAIL)	6063-T6 ALUM.
15	SILL RISER*	PVC
21	KEEPER	-
22	LOCK ASSEMBLY	-
31	CENTER FIN PILE - .270 X .220	-

* 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

