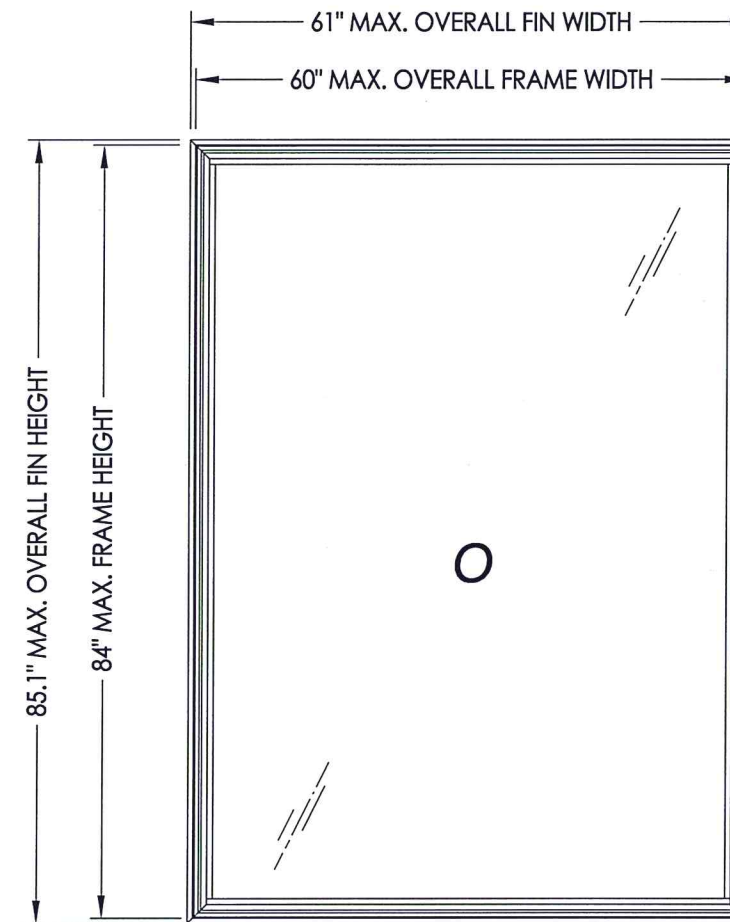




1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be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

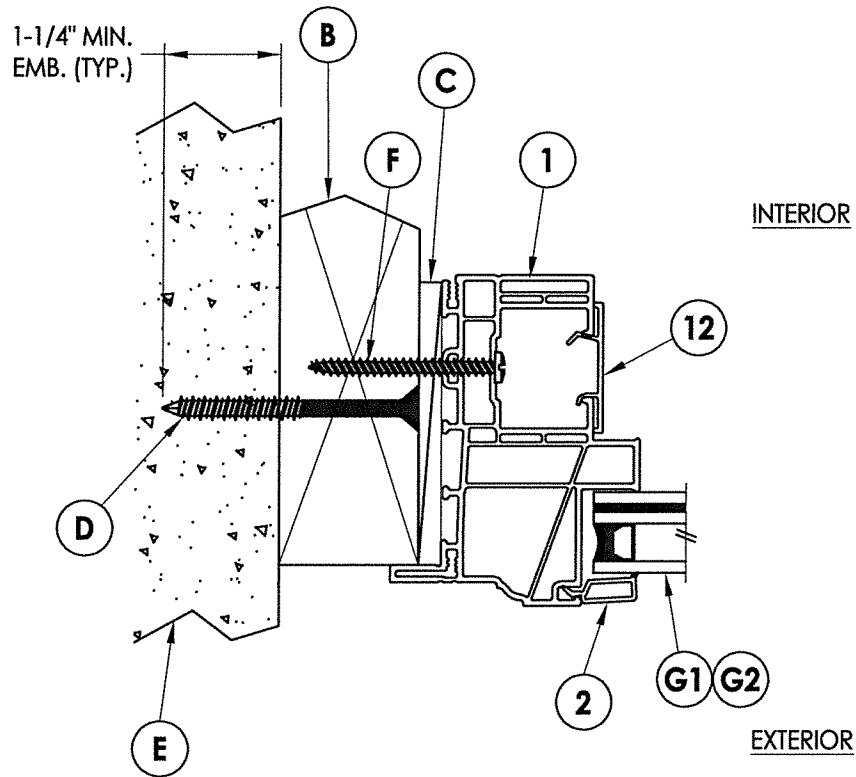
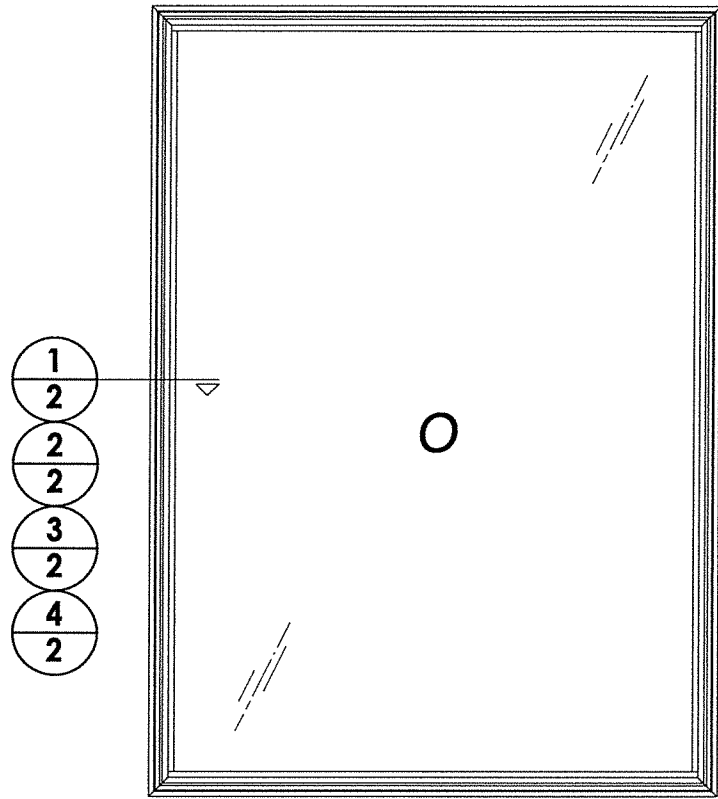
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Horizontal cross sections
3	Horizontal cross sections
4	Buck anchoring
5	Frame anchoring
6	Bill of materials, components & glazing details



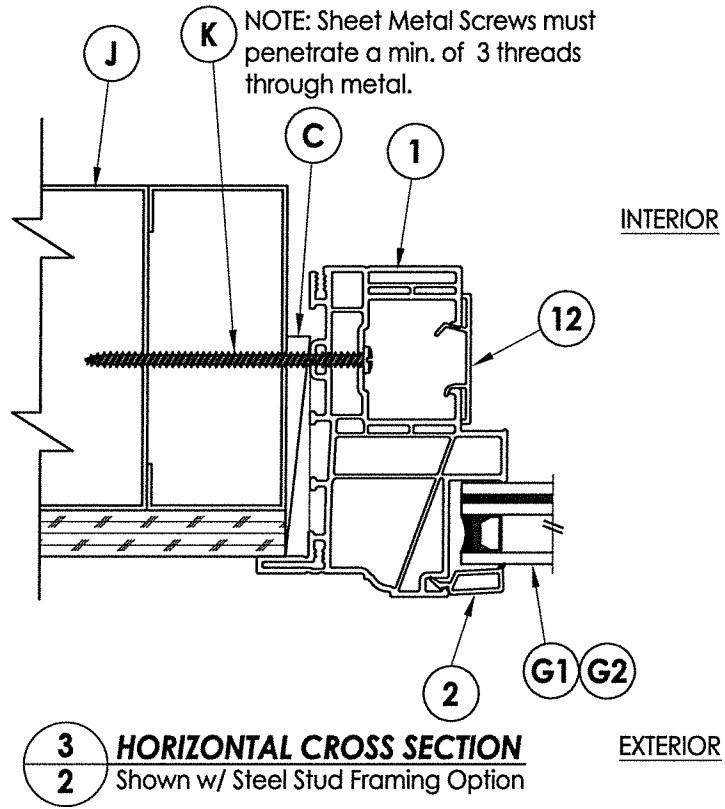
MAX. OVERALL FLANGE DIMENSION	MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POS.	NEG.
37.1" X 73.1"	36.0" X 72.0"	31.75" X 67.75"	G1	+70.0	-70.0
61.1" X 85.1"	60.0" X 84.0"	55.75" X 79.75"	G2	+60.0	-60.0



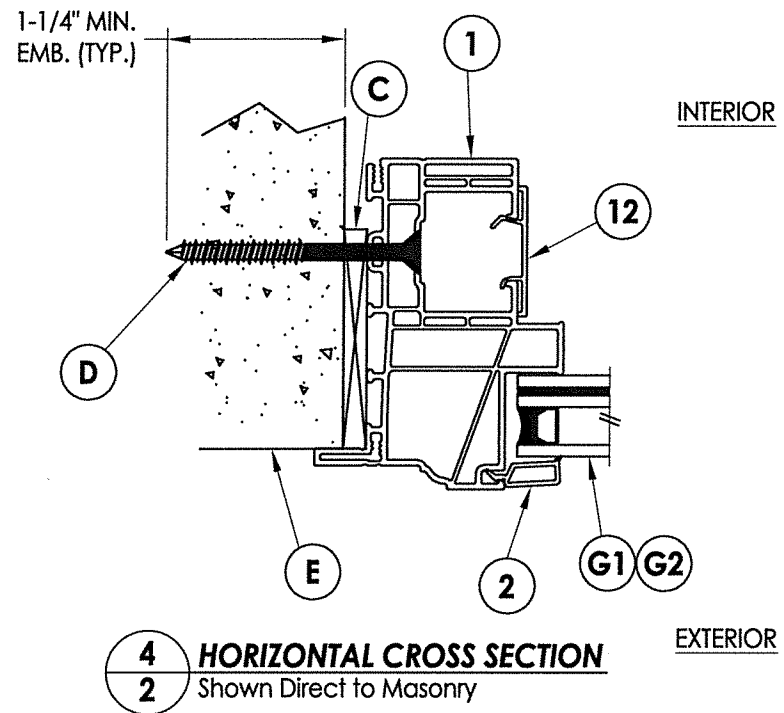
\\dc01\wbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15099 Windows - Fixed\C - Drawings\FL-15099 (2020)\FL-15099.16.dwg



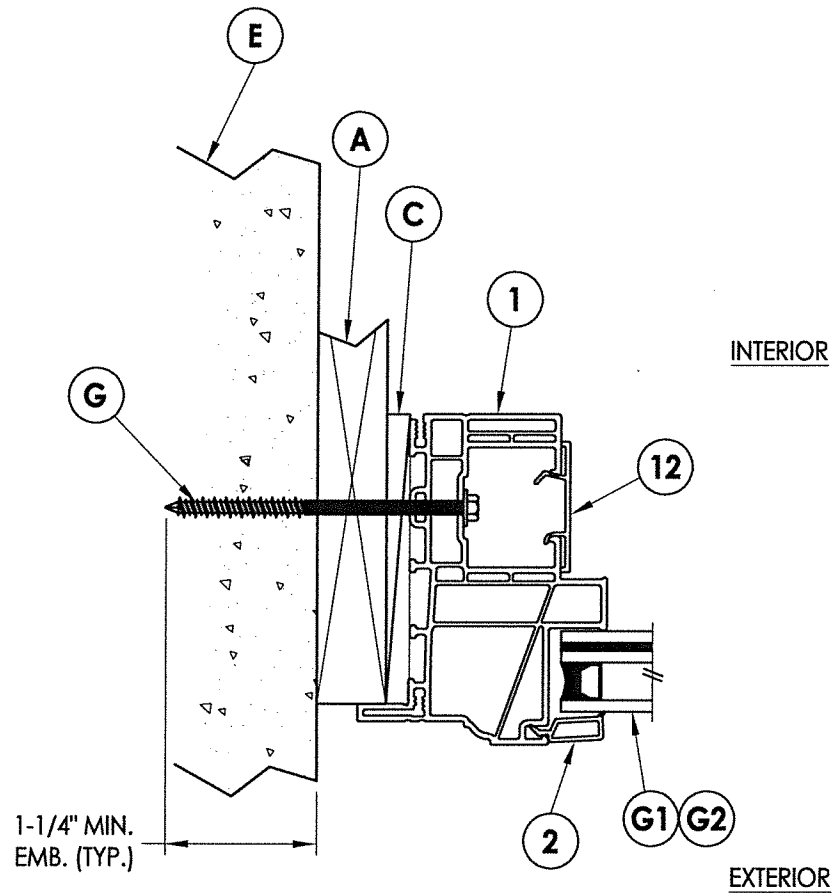
1 **HORIZONTAL CROSS SECTION**
2 2X Buck Masonry Construction



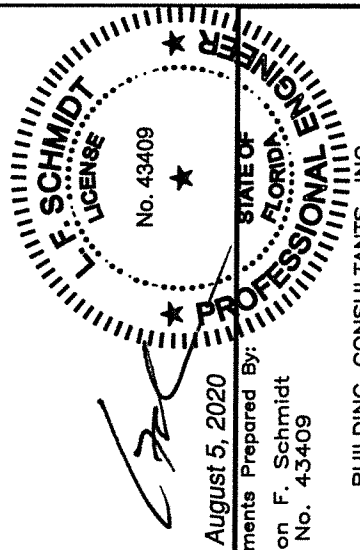
3 **HORIZONTAL CROSS SECTION**
2 Shown w/ Steel Stud Framing Option



4 **HORIZONTAL CROSS SECTION**
2 Shown Direct to Masonry



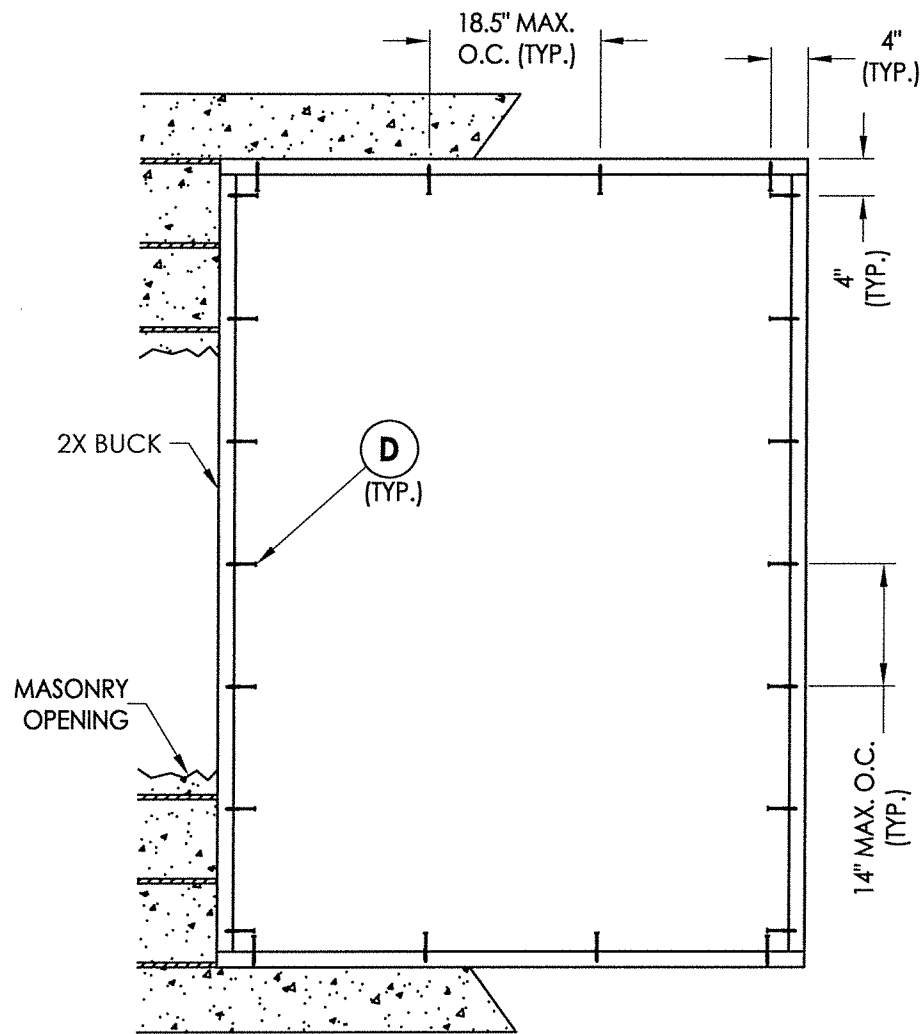
2 **HORIZONTAL CROSS SECTION**
2 1X Stud Construction



August 5, 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:	
Doers		HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
3	8/04/20	UPDATE TO 7TH ED. (2020) FBC	DAC
2	9/22/17	UPDATE TO 6TH ED. (2017) FBC	JK
1	9/26/16	ADDED ALT. ANCHOR LOCATION	LFS
NO.	DATE	REVISIONS	BY
DATE: 6/26/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15099.16			
SHEET 2 OF 6			

\\dc01\rb\c\clients\Doers PERMANENT\A - Florida Product Approvals\FL-15099 Windows - Fixed\VC - Drawings\FL-15099 (2020)\FL-15099.16.dwg



BUCK ANCHORING
60" x 84" MAX. FRAME SIZE

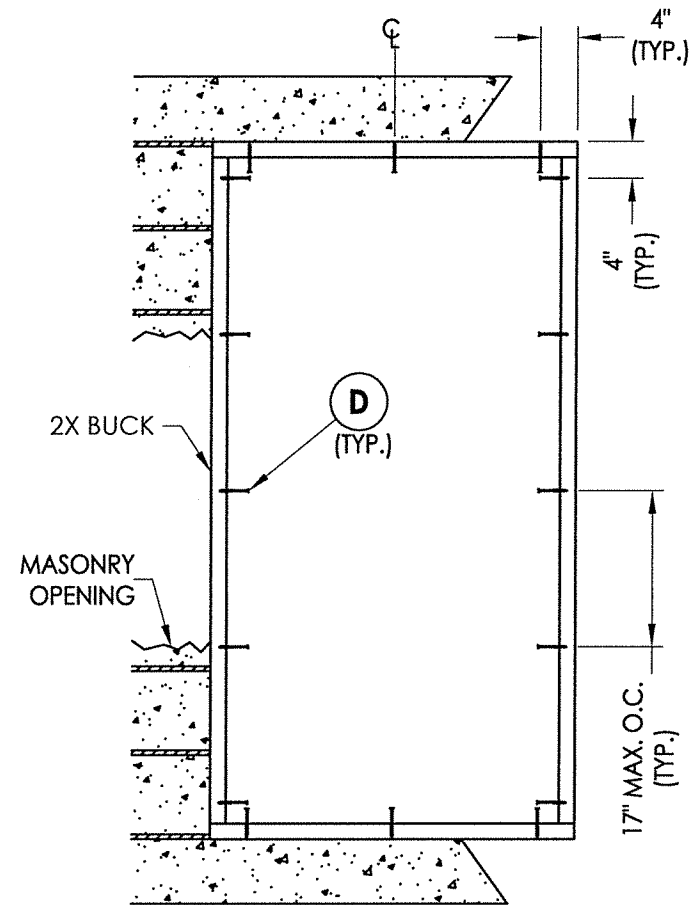
CONCRETE ANCHOR NOTES:

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:

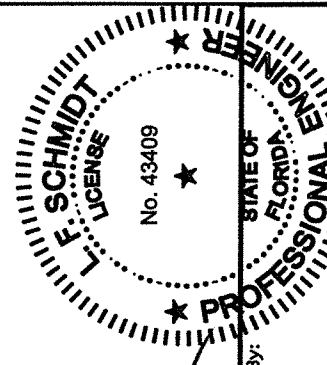
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

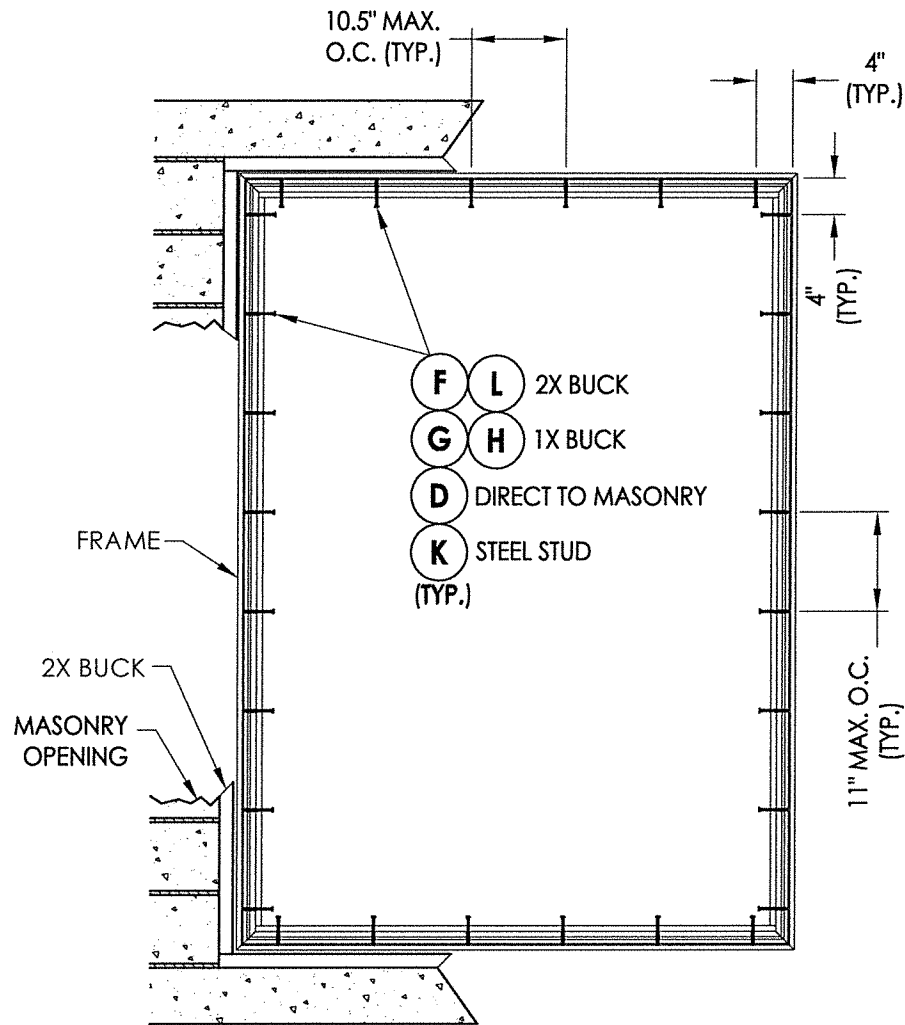
WOOD SCREW INSTALLATION NOTES:

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

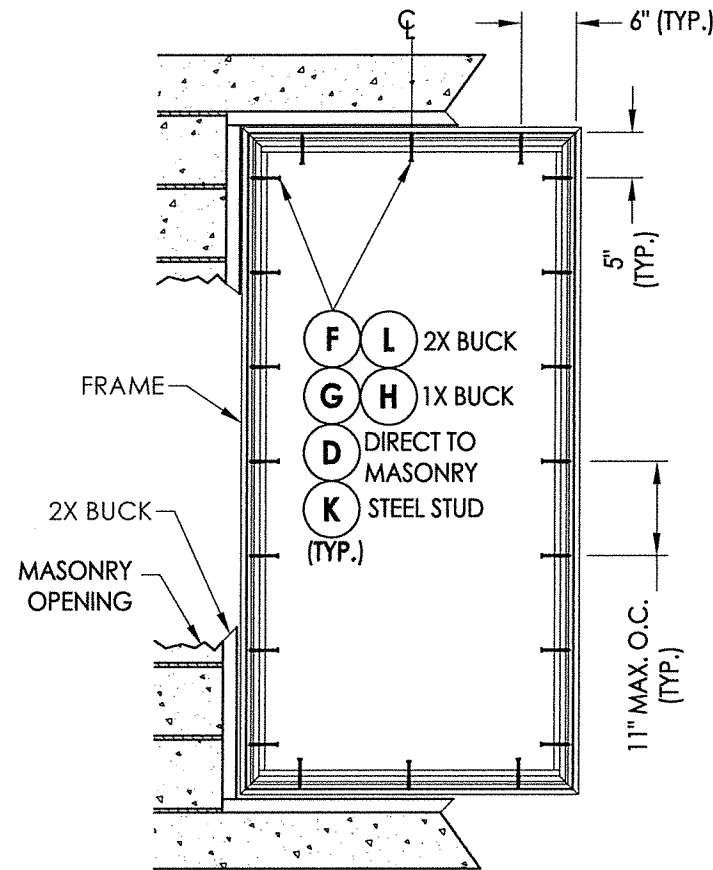


BUCK ANCHORING
36" x 72" MAX. FRAME SIZE

					
August 5, 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:	Doers				
PART OR ASSEMBLY:	BUCK ANCHORING				
DATE	NO.	DATE	NO.	DATE	NO.
8/04/20	3	8/04/20	3	8/04/20	3
9/22/17	2	9/22/17	2	9/22/17	2
9/26/16	1	9/26/16	1	9/26/16	1
REVISIONS					
DATE: 6/26/15					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-15099.16					
SHEET 4 OF 6					



FRAME ANCHORING
60" x 84" MAX. FRAME SIZE



FRAME ANCHORING
36" x 72" MAX. FRAME SIZE

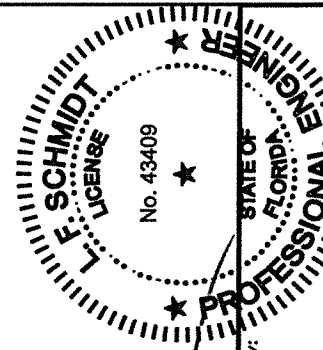
CONCRETE ANCHOR NOTES:

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:

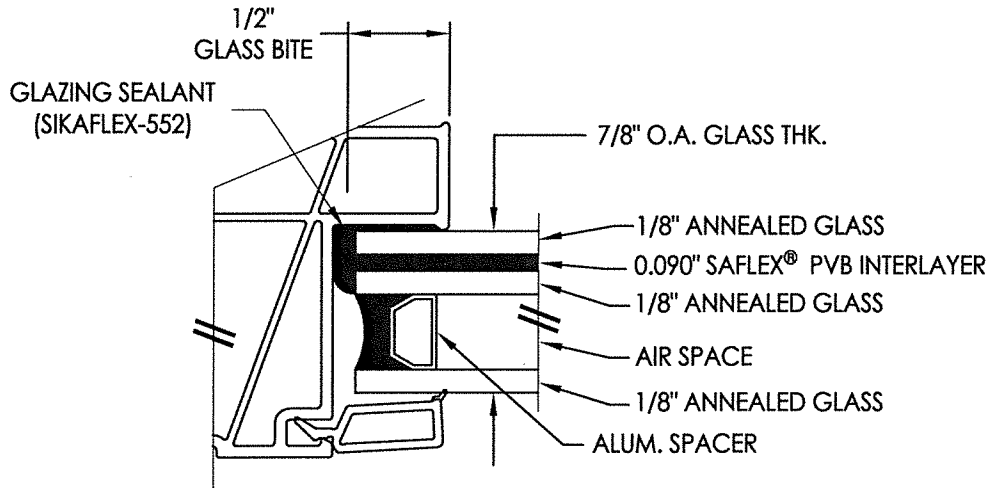
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

		August 5, 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: Doers		PART OR ASSEMBLY: FRAME ANCHORING			
		REVISIONS			
		NO. DATE			
		3 8/04/20 UPDATE TO 7TH ED. (2020) FBC DAC			
		2 9/22/17 UPDATE TO 6TH ED. (2017) FBC JK			
		1 9/26/16 ADDED ALT. ANCHOR LOCATION LFS			
DATE: 6/26/15					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-15099.16					
SHEET 5 OF 6					

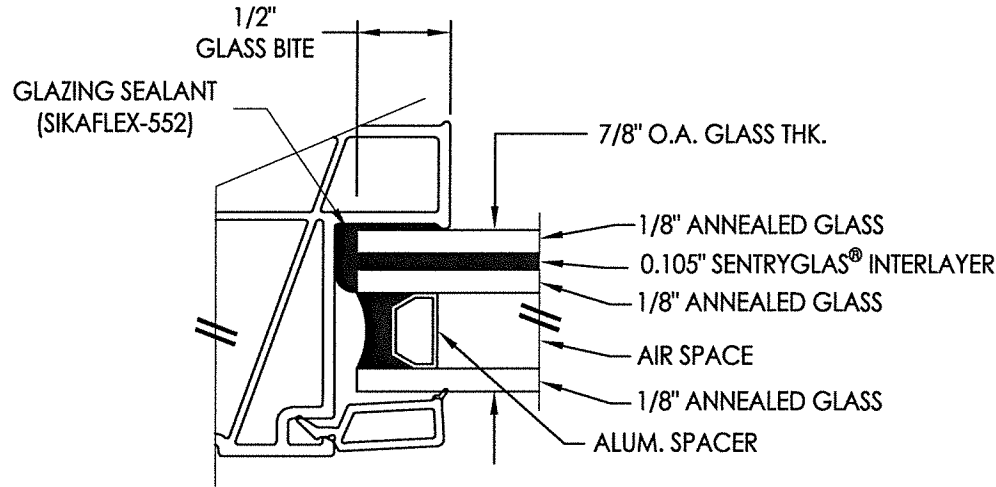
\\dc01\wbc\clients\Doers PERMANENT\A - Florida Product Approvals\FL-15099 Windows - Fixed\C - Drawings\FL-15099 (2020)\FL-15099.16.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (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	#10 X 2" PPH SMS (1-1/8" MIN. EMBEDMENT)	STEEL
G	1/4" X 3-1/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
H	1/4" X 2-3/4" HWH DeWALT 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 PPH SELF-DRILLING SMS	STEEL
L	#10 X 2" PPH SMS (1-1/2" MIN. EMBEDMENT)	STEEL
1	EXTRUDED VINYL FRAME (437)*	RIGID PVC
2	EXTRUDED VINYL GLAZING BEAD (736A)*	RIGID PVC
12	FRAME ADAPTER	RIGID PVC

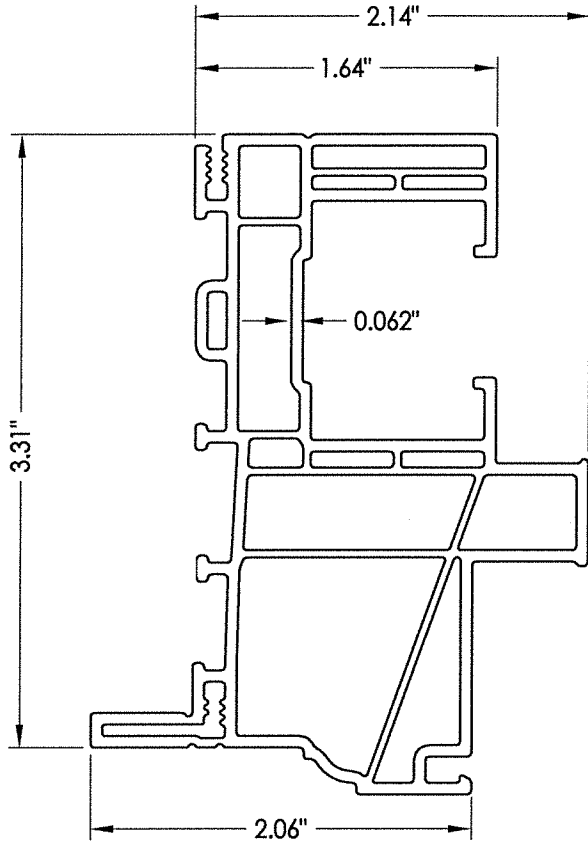
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



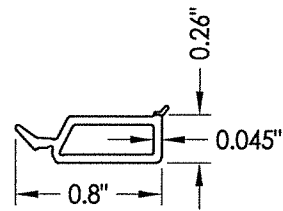
G1 GLAZING DETAIL



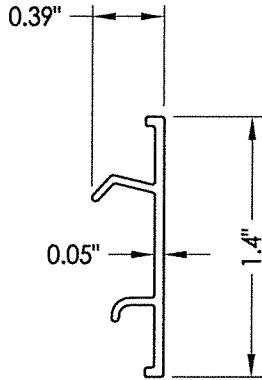
G2 GLAZING DETAIL



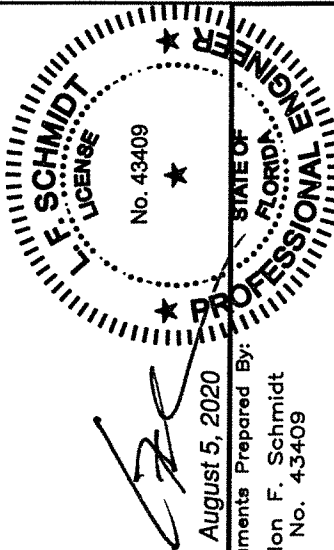
1 FRAME



2 GLAZING BEAD



12 FRAME ADAPTER



August 5, 2020
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FBPE Registry No. 9813

PRODUCT:		Doers		PART OR ASSEMBLY:		BILL OF MATERIALS, COMPONENTS & GLAZING DETAILS	
				DAC	JK	LFS	BY