

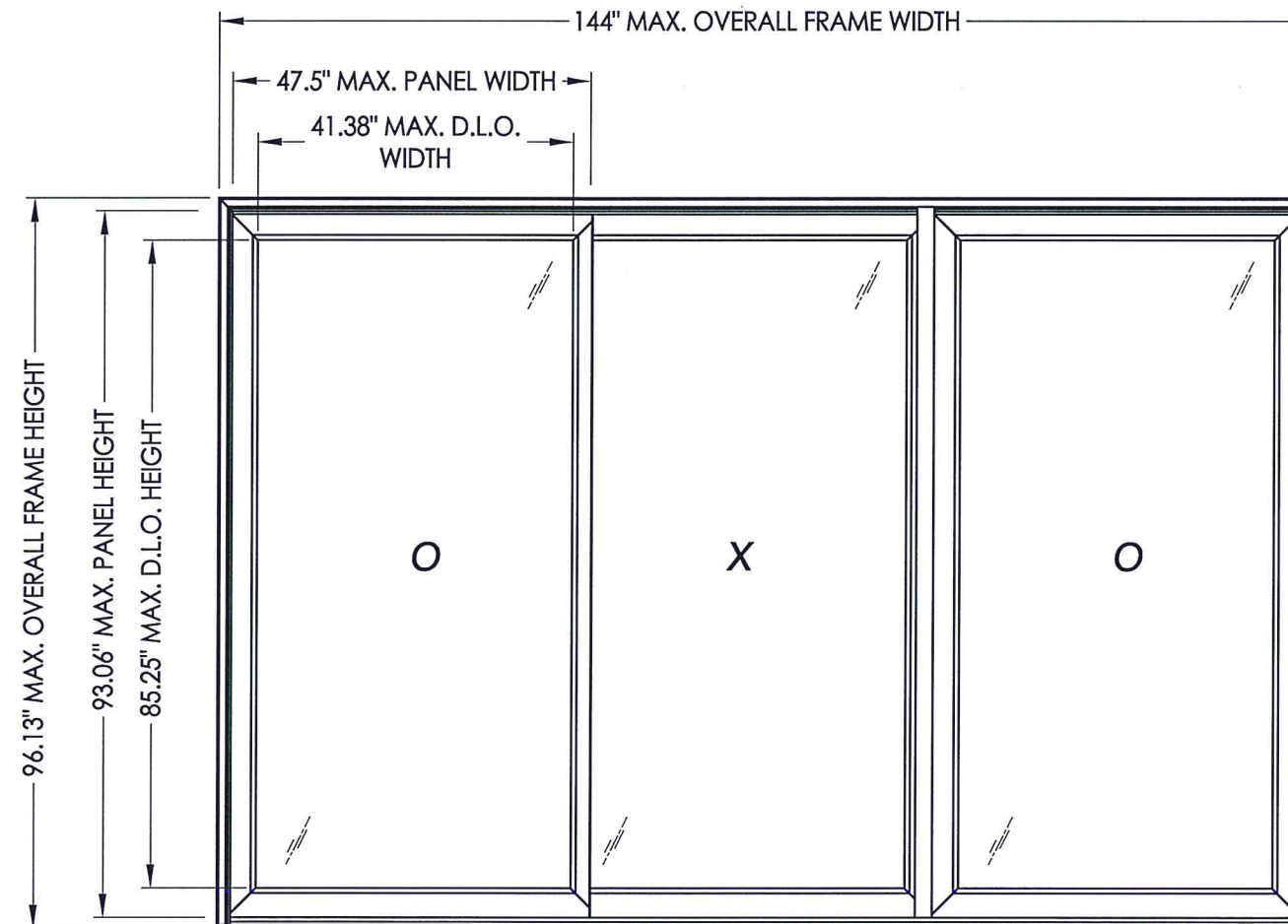
\\dc01\\nwbc\\Clients\\Sunrise Windows\\A - Florida Product Approvals\\FL-34551 - Sliding Patio Doors\\C - Drawings\\FL-34551.8.dwg

"Vanguard" Series Sliding Patio Door "NON-IMPACT"

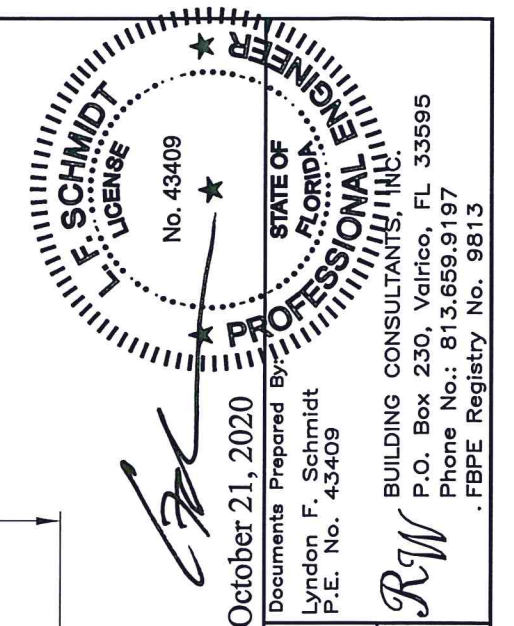
GENERAL NOTES

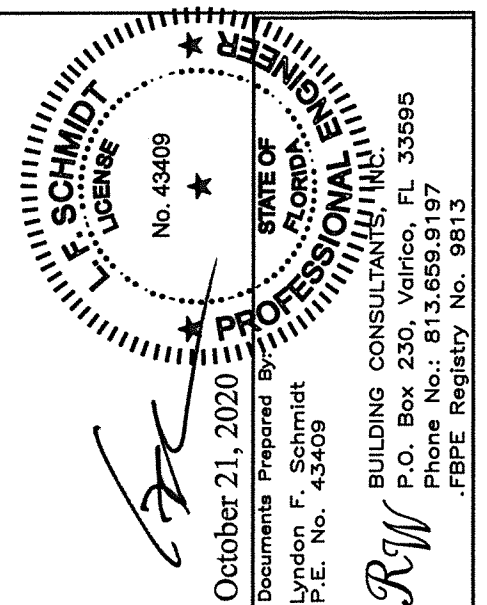
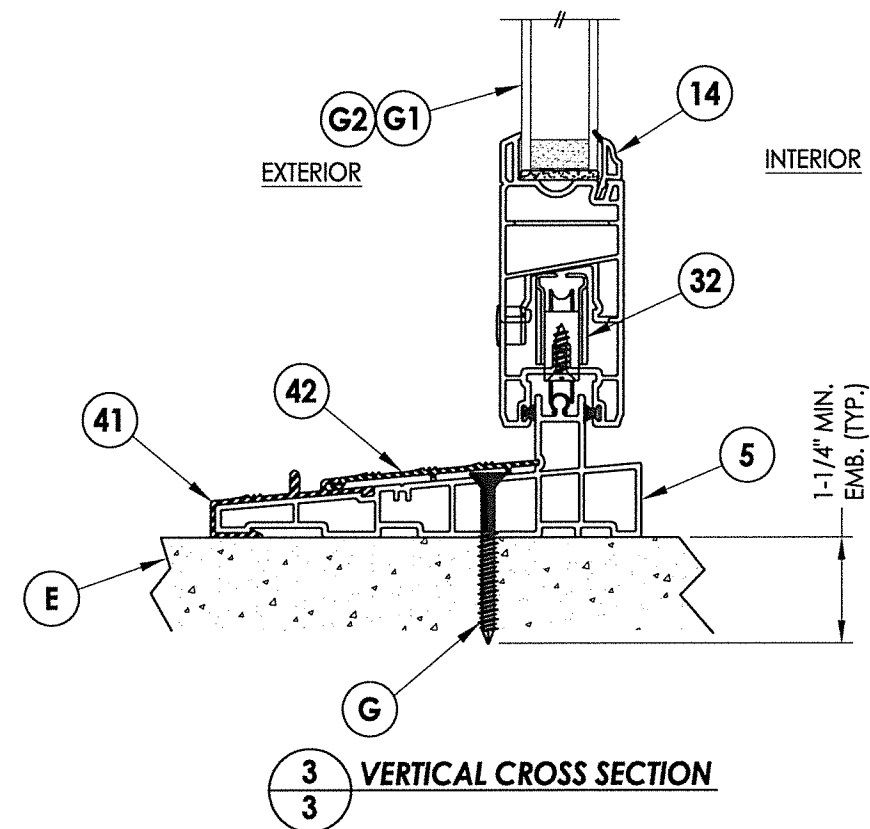
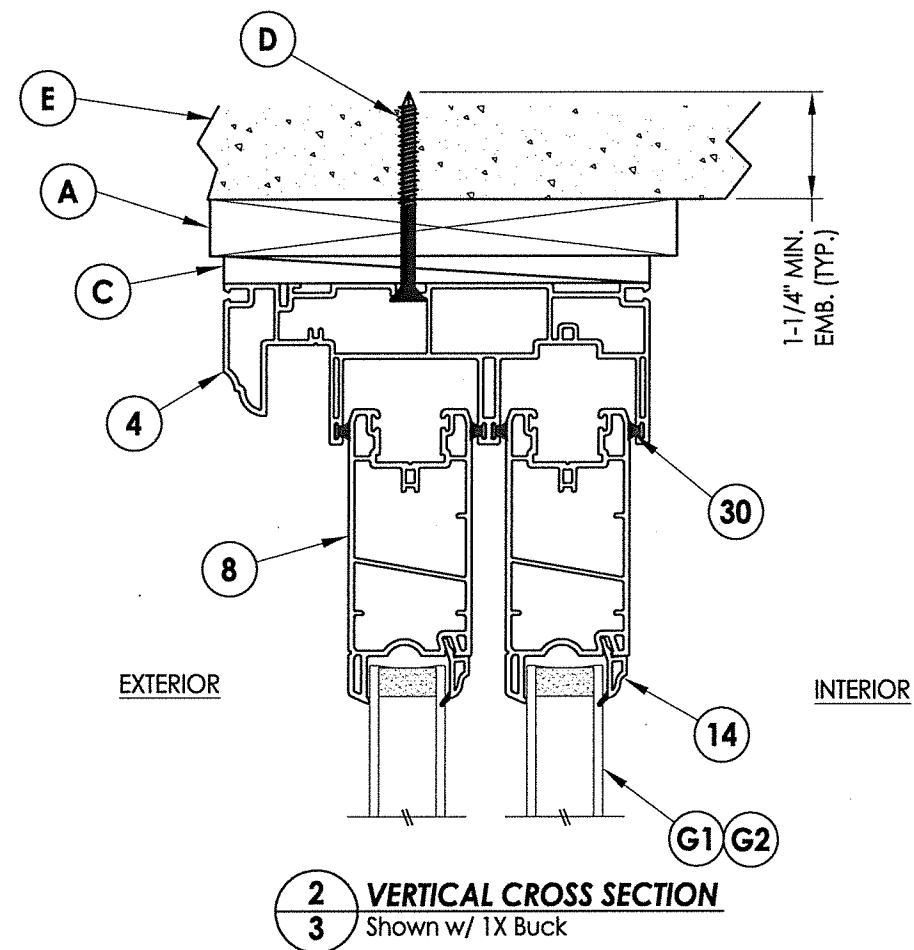
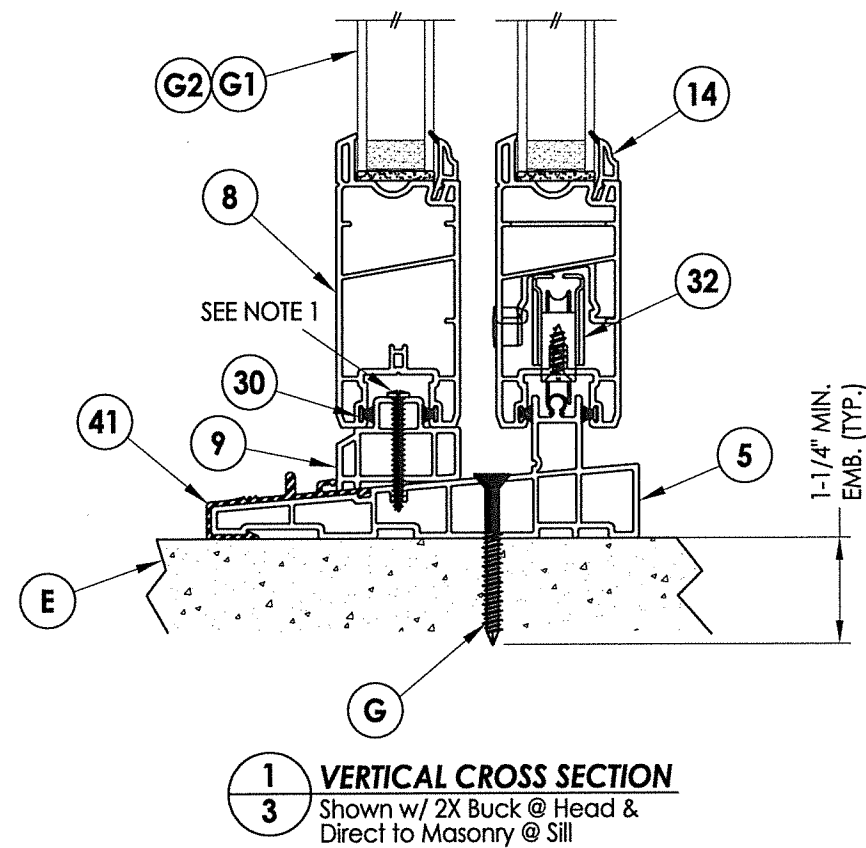
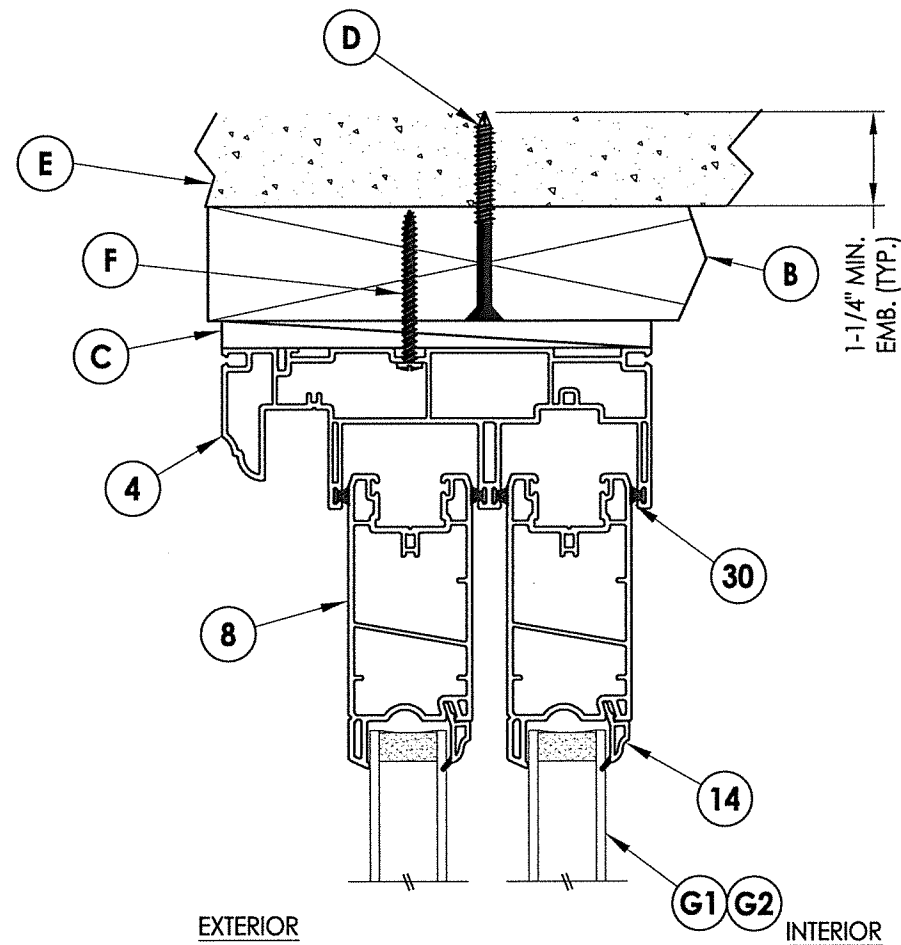
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be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

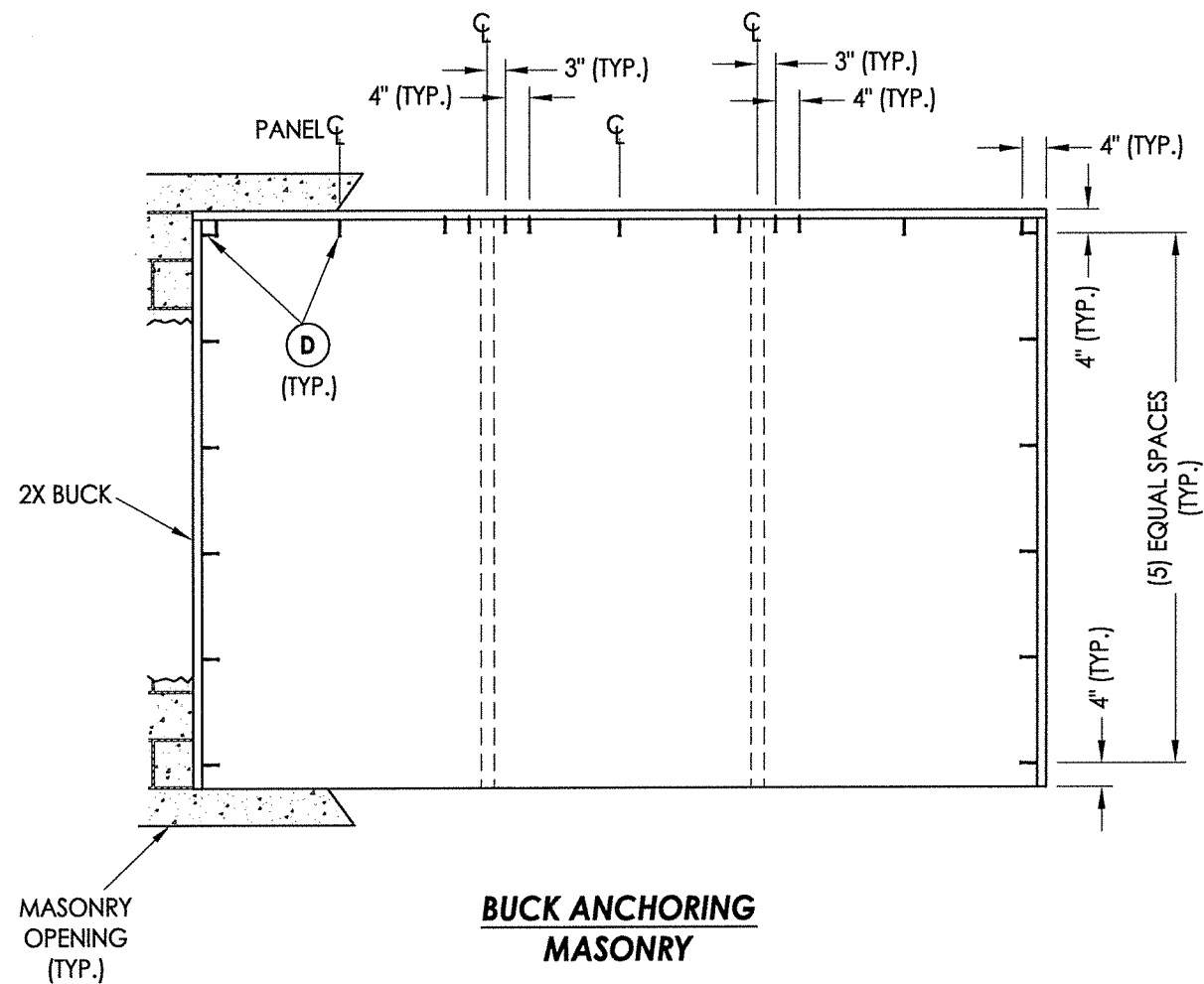


OVERALL FRAME DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
107.5" X 79.5"	35.5" X 76.43"	29.25" X 68.81"	G1	+30.0	-45.0
144.0" X 96.13"	47.5" X 93.06"	41.38" X 85.25"	G2	+15.0	-15.0

[illegible]



<u>PRODUCT:</u>		SLIDING PATIO DOORS		<u>PART OR ASSEMBLY:</u>		VERTICAL CROSS SECTIONS	



BUCK ANCHORING MASONRY

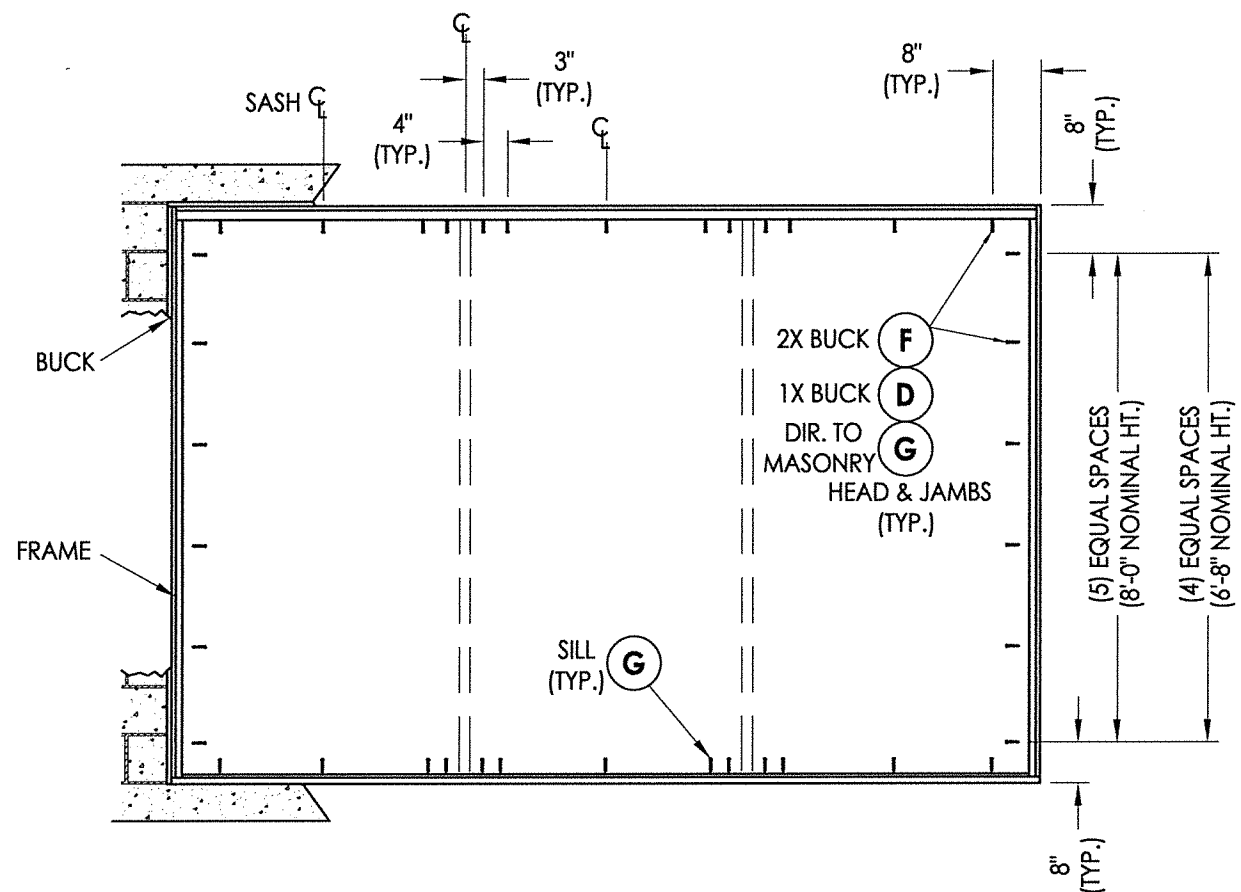
CONCRETE ANCHOR NOTES:

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:

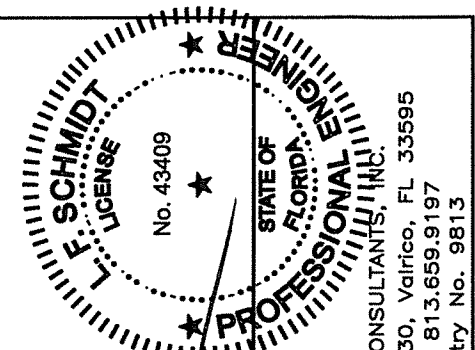
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"

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.



FRAME ANCHORING



October 21, 2020

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

RAE BUILDING CONSULTANTS, INC.

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

. FBPE Registry No. 9813

© 2020 R.W. BUILDING CONSULTANTS INC.

DATE: 10/15/20		REVISIONS NO. DATE BY	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-34551.8			
SHEET 4 OF 6			

Technical drawing of a mechanical part with the following dimensions:

- Overall width: 5.63"
- Overall height: 0.37"
- Top flange width: 0.65"
- Top flange thickness: 0.075"
- Top flange hole diameter: 0.06"
- Bottom flange thickness: 0.08"

Technical drawing of a cross-section of a component. The drawing shows a rectangular block with a smaller rectangular feature on top. The overall height is 1.23 inches, the overall width is 1.63 inches, and the thickness of the top feature is 0.075 inches.

Diagram of a C-channel cross-section with dimensions: height = 1.45", web thickness = 0.1", and flange width = 0.58".

Diagram of a single tie rod with a width dimension of 0.8'.

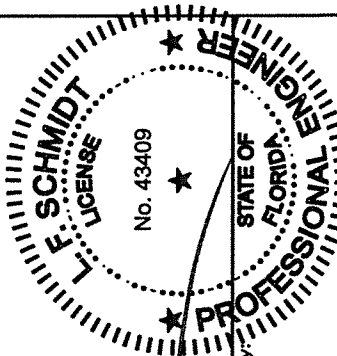
Technical drawing of a mechanical part, likely a bracket or support. It features a horizontal base with a rectangular cutout in the center. Above the base, there is a horizontal dimension line with arrows at both ends, indicating a length of 0.8 units. The drawing is a simple line sketch.

0.34'

2.75"

0.90"


October 21, 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
FRPE Registry No. 0913

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

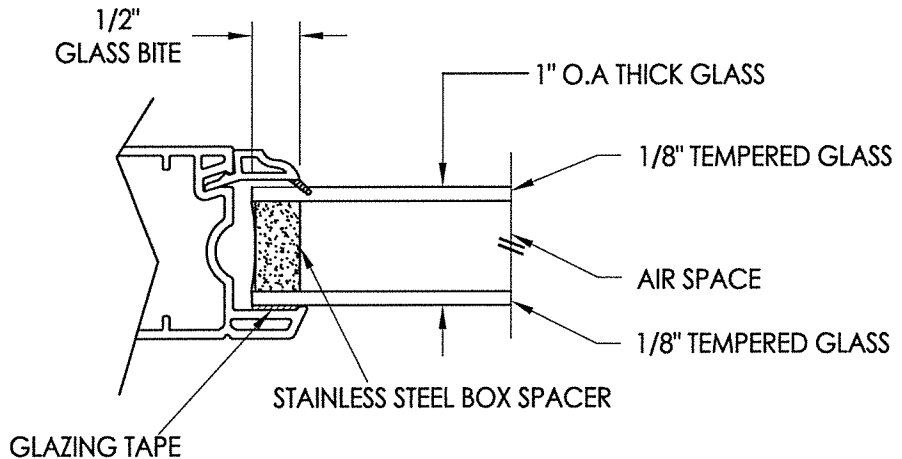
PART OR ASSEMBLY:

DATE:	10/15/20
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-34551.8
SHEET	5 OF 6

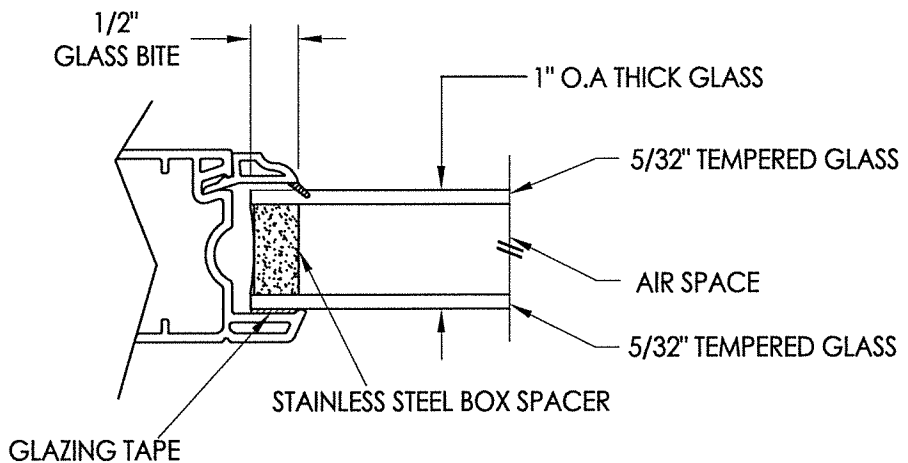
© 2020 R.W. BUILDING CONSULTANTS INC.

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	#10 X 2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
G	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
4	PD HEAD JAMB*	RIGID PVC
5	PD SILL*	RIGID PVC
6	PD JAMB*	RIGID PVC
7	PD SASH MEETING STILE*	RIGID PVC
8	PD SASH JAMB STILE*	RIGID PVC
9	RISER*	RIGID PVC
10	INTERLOCK MEETING STILE*	RIGID PVC
11	JAMB COVER*	RIGID PVC
12	REINFORCEMENT MEETING STILES	FIBERGLASS
13	REINFORCEMENT LOCK STILE	STEEL
14	GLAZING BEAD*	RIGID PVC
15	GLAZING BEAD (FIXED MEETING STILE)*	RIGID PVC
16	INTERLOCK SCREW COVER*	RIGID PVC
20	PULL HANDLE	-
29	BULB WEATHERSTRIP	-
30	FIN WEATHERSTRIP	-
31	BULB WEATHERSTRIP	NEOPRENE
32	ROLLER ASSY.	-
37	ASTRAGAL INTERIOR*	RIGID PVC
38	ASTRAGAL EXTERIOR*	RIGID PVC
40	LATCH BAR	STEEL
41	SILL NOSING	ALUM
42	SILL EXTENDER	ALUM

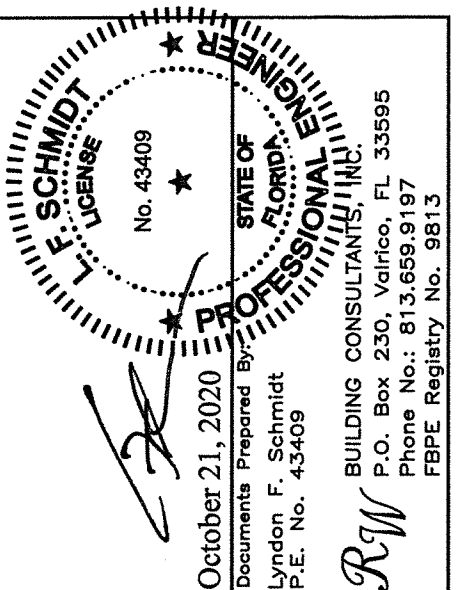
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



G1 GLAZING DETAIL



G2 GLAZING DETAIL



DATE: 10/15/20		REVISIONS NO. DATE BY	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-34551.8			
SHEET 6 OF 6			