

SERIES 6400

MODEL 6402/6405/6406/6408

EXTRUDED VINYL
SLIDING PATIO DOORS

"NON-IMPACT"

GENERAL NOTES

1.

This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2.

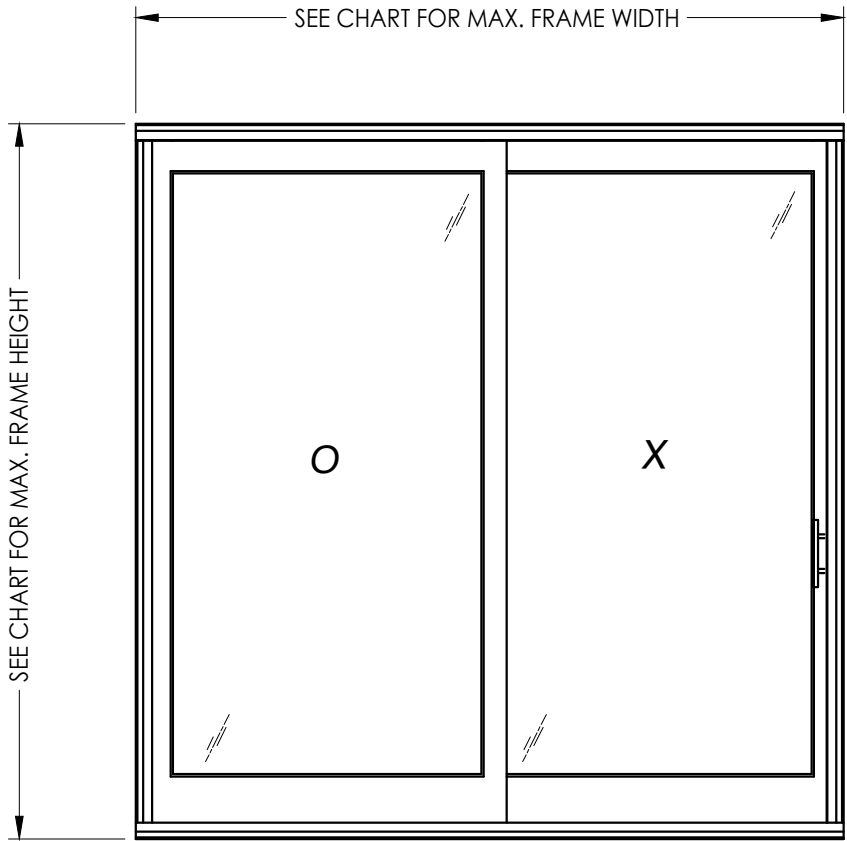
Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.

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.

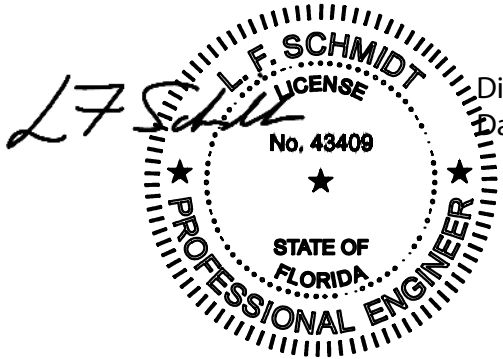
For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5.

Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal and vertical cross sections
3	Vertical cross sections and glazing details
4	Buck & frame anchoring
5	Bill of materials, glazing details & components



OVERALL FRAME DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
94.25" x 95.5"	47.5" X 92.5"	40.94" X 80.0"	G1	+25.0	-25.0
94.25" x 79.5"	47.5" X 76.19"	40.94" X 64.19"	G1	+30.0	-30.0
70.62" x 79.5"	35.62" X 76.19"	29.06" X 64.0"	G2	+45.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.31 15:49:51 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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

PRODUCT:
EXTRUDED VINYL
SLIDING PATIO DOORS

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS

DATE: 1/24/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

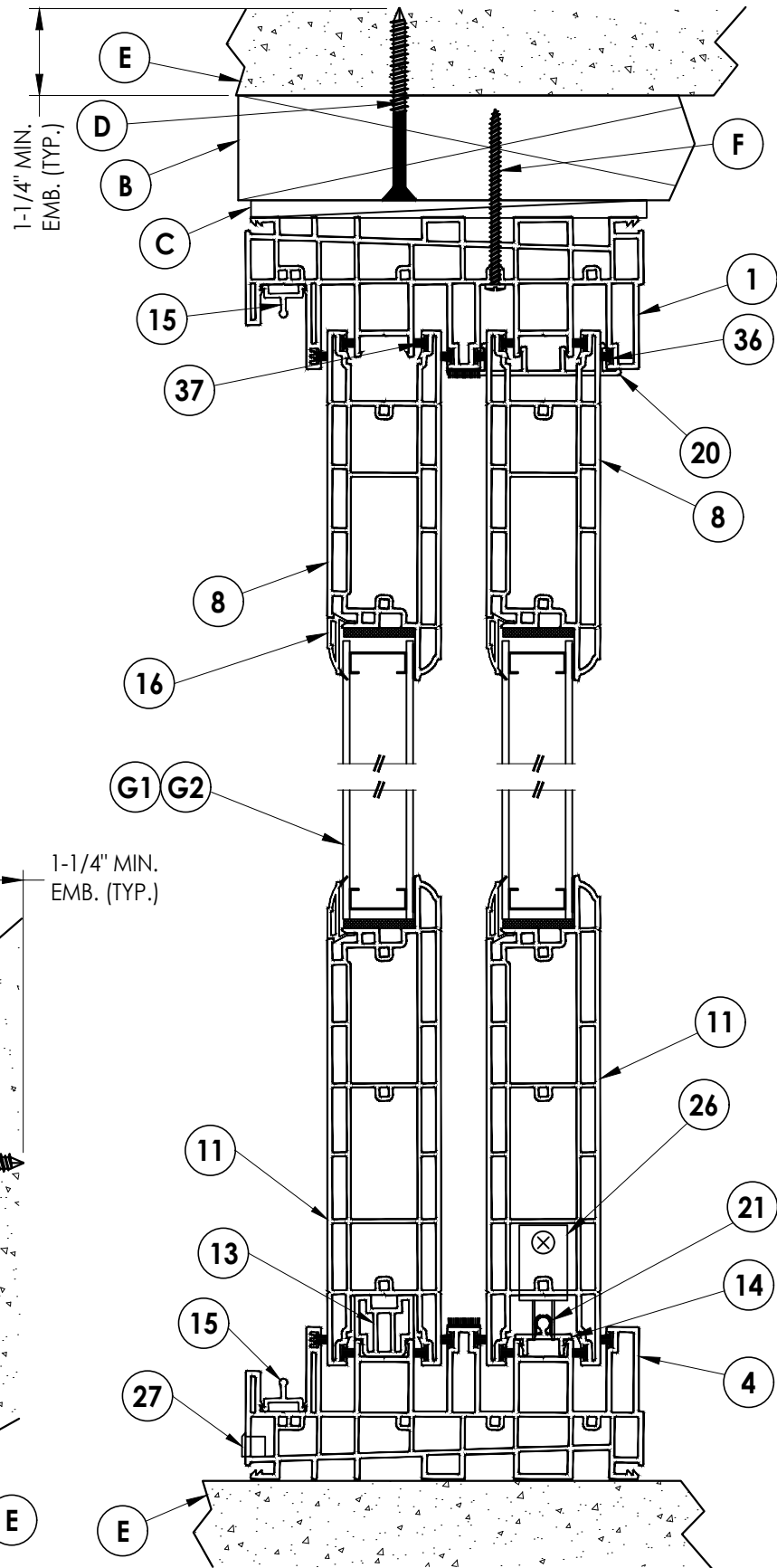
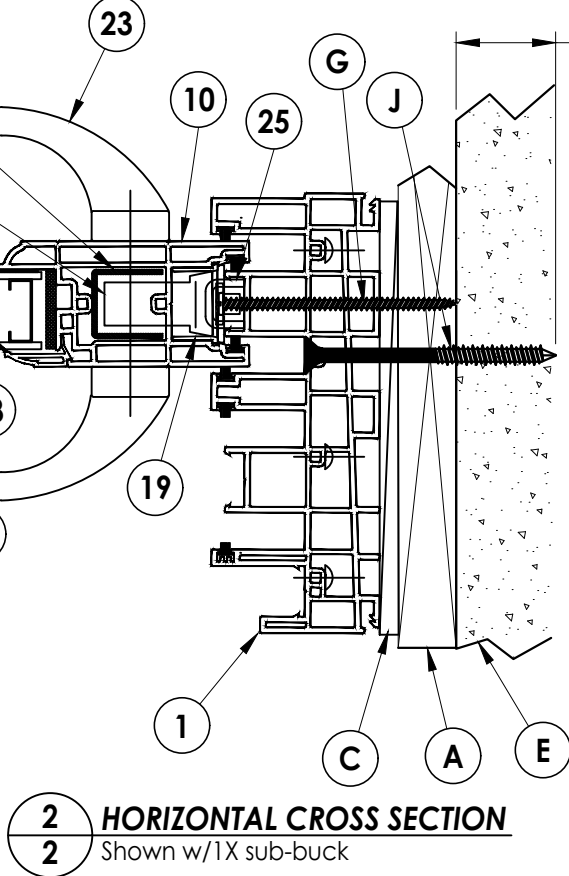
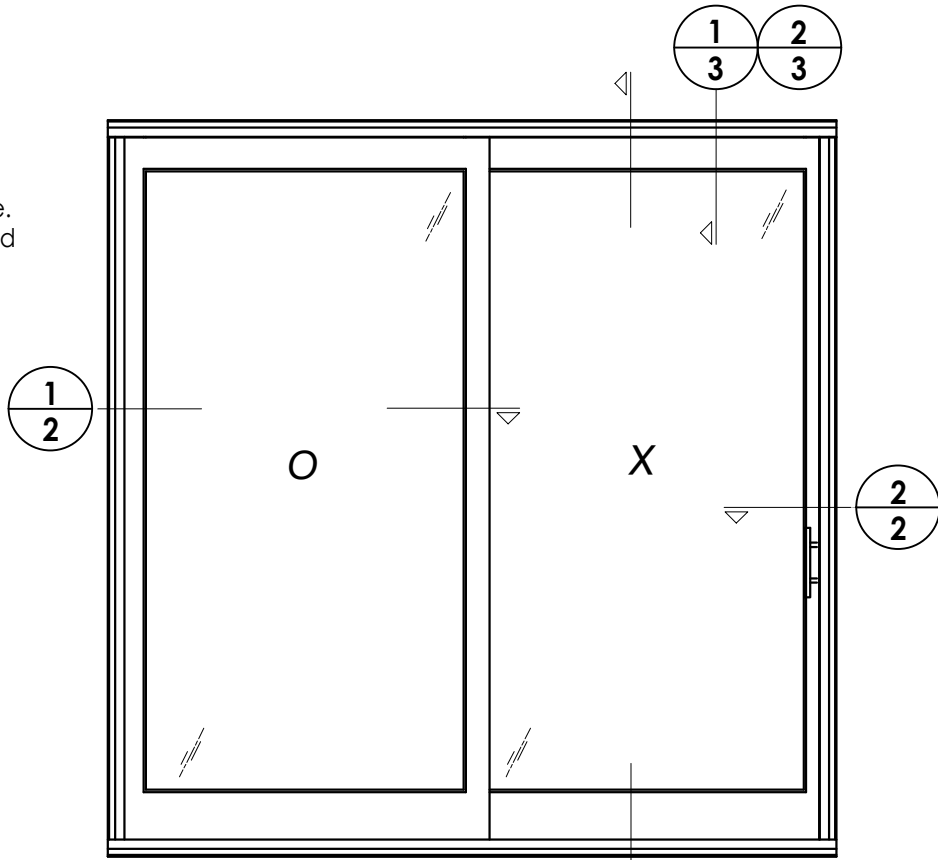
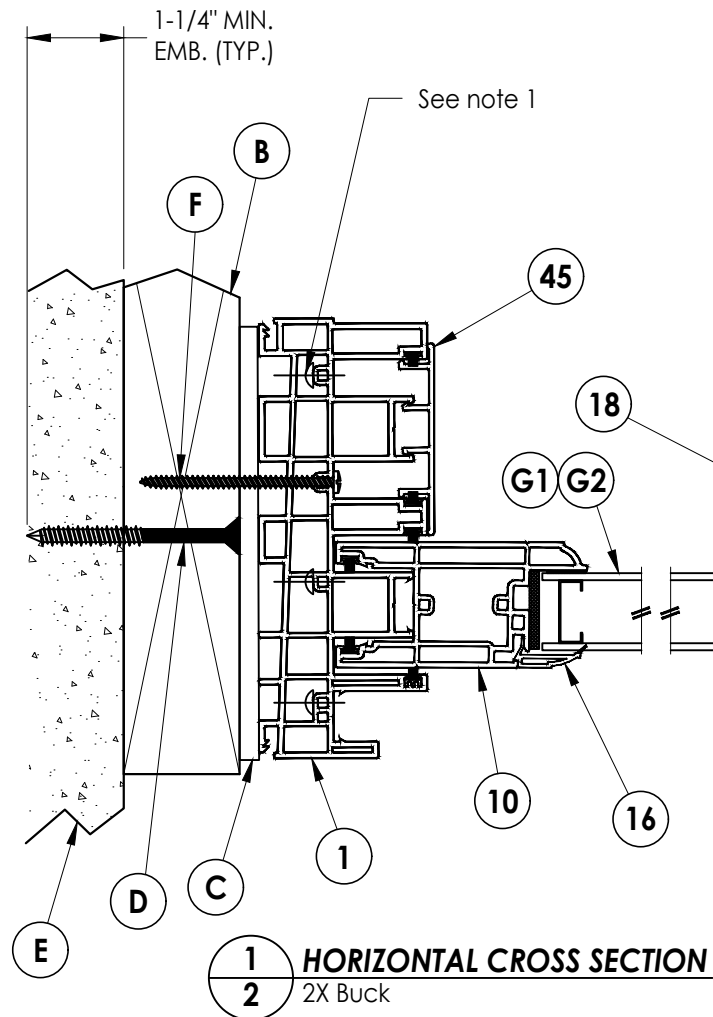
DRAWING NO.: FL-12323.24

SHEET 1 OF 5

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

Z:\2023 FBC Drawings\Associated Materials, Inc\FL-12323 R9\FL-12323.24-26.dwg

- NOTES:
1. Frame corners fastened with (3) #8 x 3" PH SMS and contain a closed cell foam gasket. The frame intersections at the sill sealed with silicone sealant.
 2. Fixed panel secured to the head and sill with two molded composite L-Brackets, one at each end of the meeting stile. Bracket attached to the frame with one #8 x 1-1/4" SMS and to the meeting stile with one #8 x 5/8" SMS.



3
2 **VERTICAL CROSS SECTION**
Shown w/ Direct to Masonry @ Sill

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PRODUCT:
EXTRUDED VINYL
SLIDING PATIO DOORS

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
4	7/31/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/20/20	UPDATE TO 7TH ED. (2020) FBC DAC
2	10/11/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	1/27/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 1/24/12

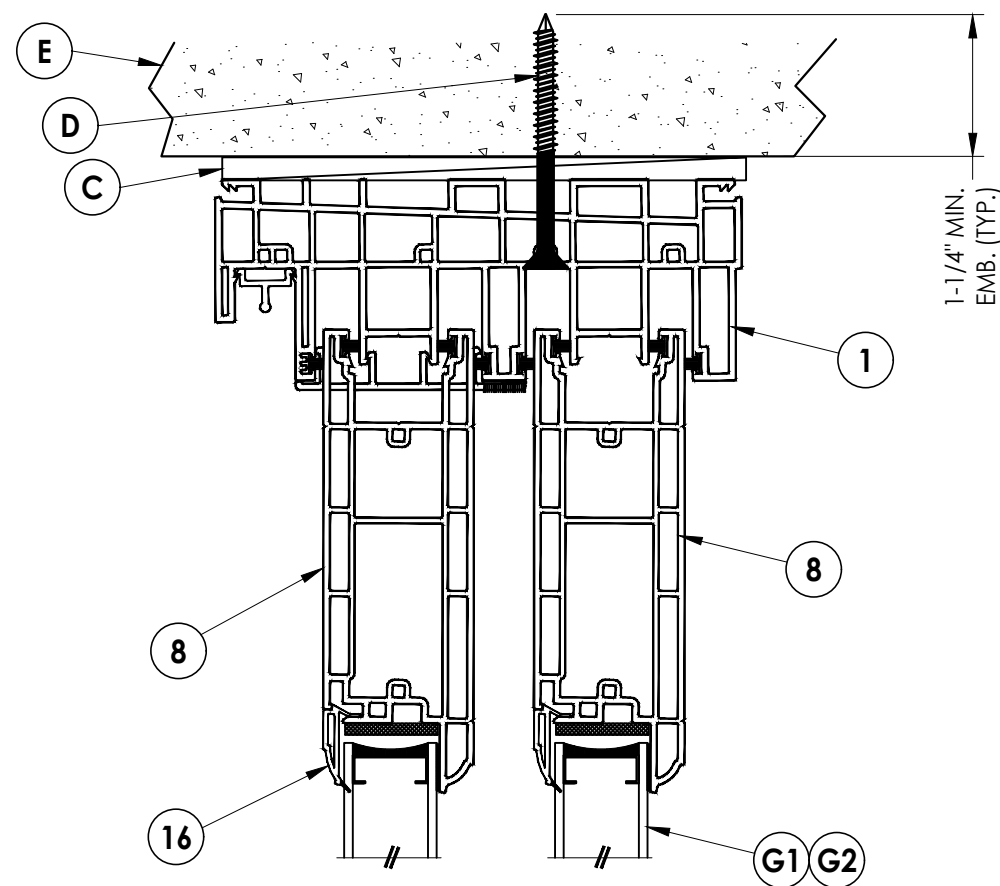
SCALE: N.T.S.

DWG. BY: JK

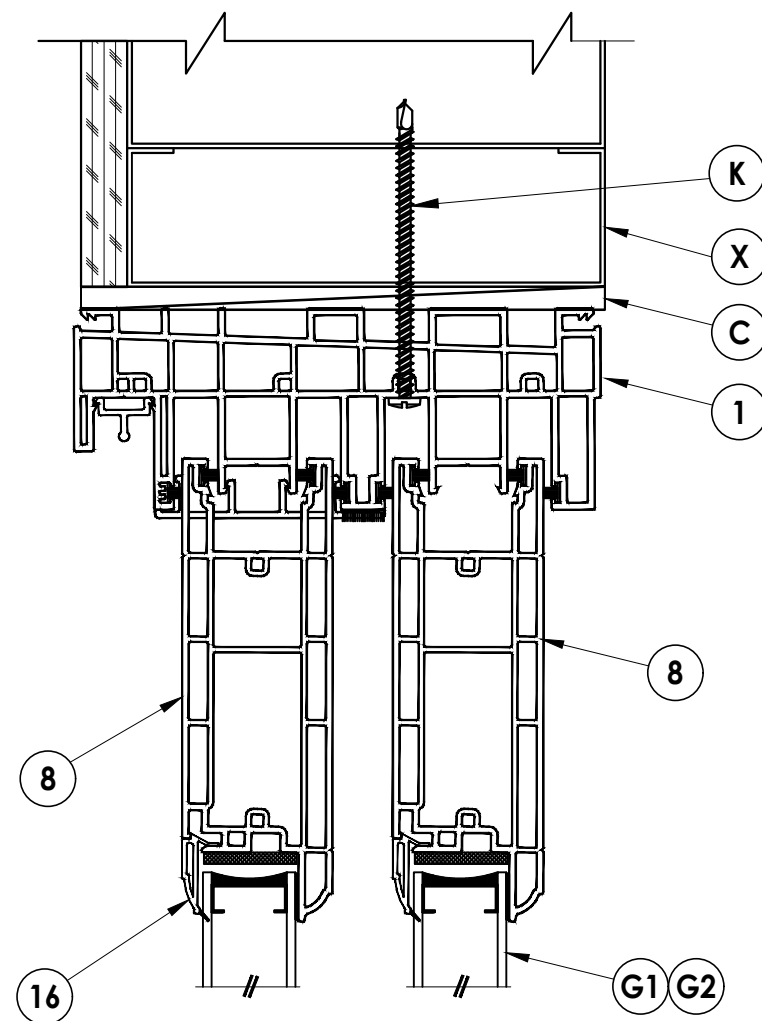
CHK. BY: LFS

DRAWING NO.:
FL-12323.24

SHEET 2 OF 5

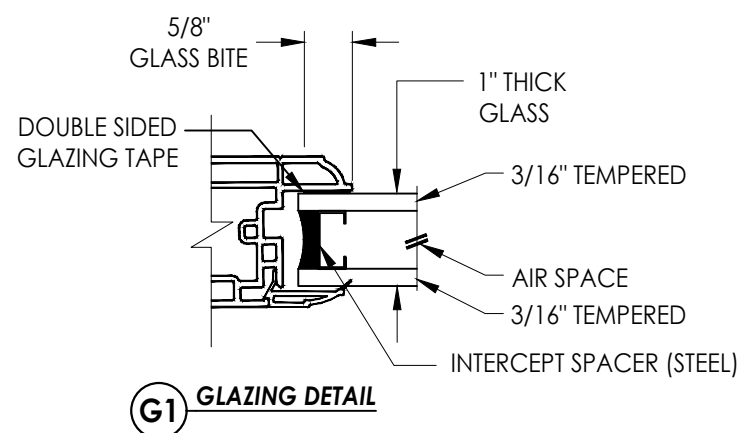


1 **VERTICAL CROSS SECTION**
3 Shown w/ Direct to Masonry option

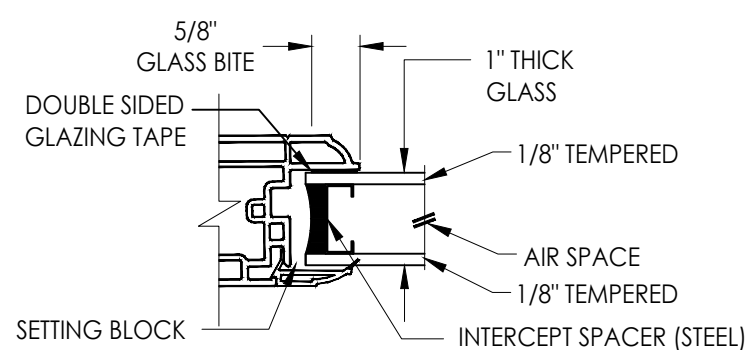


NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal. Maintain a minimum 5/8" edge distance.

2 VERTICAL CROSS SECTION
3 Shown w/ Steel Stud framing option



G1 GLAZING DETAIL



G2 GLAZING DETAIL

DATE: 1/24/12					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-12323.24					
SHEET	3	OF	5		
		REVISONS			
NO.	DATE				
4	7/31/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	8/20/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
2	10/11/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	1/27/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
				BY	
PRODUCT:					
EXTRUDED VINYL SLIDING PATIO DOORS					
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS AND GLAZING DETAILS					
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					

