

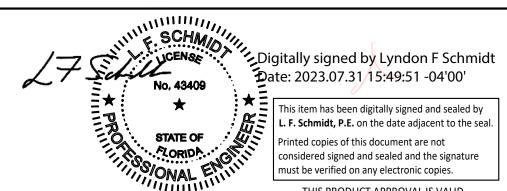
## **SERIES 6400** MODEL 6402/6405/6406/6408 **EXTRUDED VINYL SLIDING PATIO DOORS** "NON-IMPACT"

## **GENERAL NOTES**

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

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

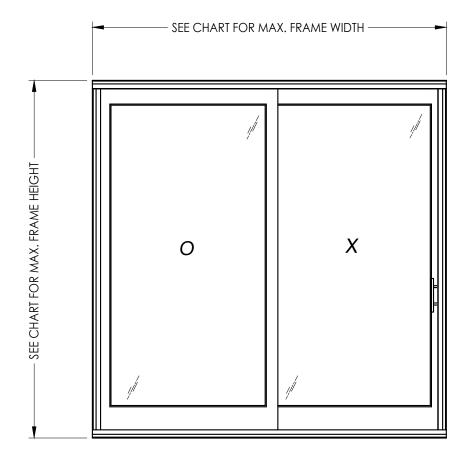
TABLE OF CONTENTS							
SHEET#	DESCRIPTION						
1	Typical elevation, design pressures & general notes						
2	Horizontal and vertical cross sections						
3	Vertical cross sections and glazing details						
4	4 Buck & frame anchoring						
5	Bill of materials, glazing details & components						



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



OVERALL FRAME	MAX. PANEL	MAX. D.L.O.	GLASS	DESIGN PRESSURE (PSF)		
DIMENSION	DIMENSION	DIMENSION	TYPE	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	

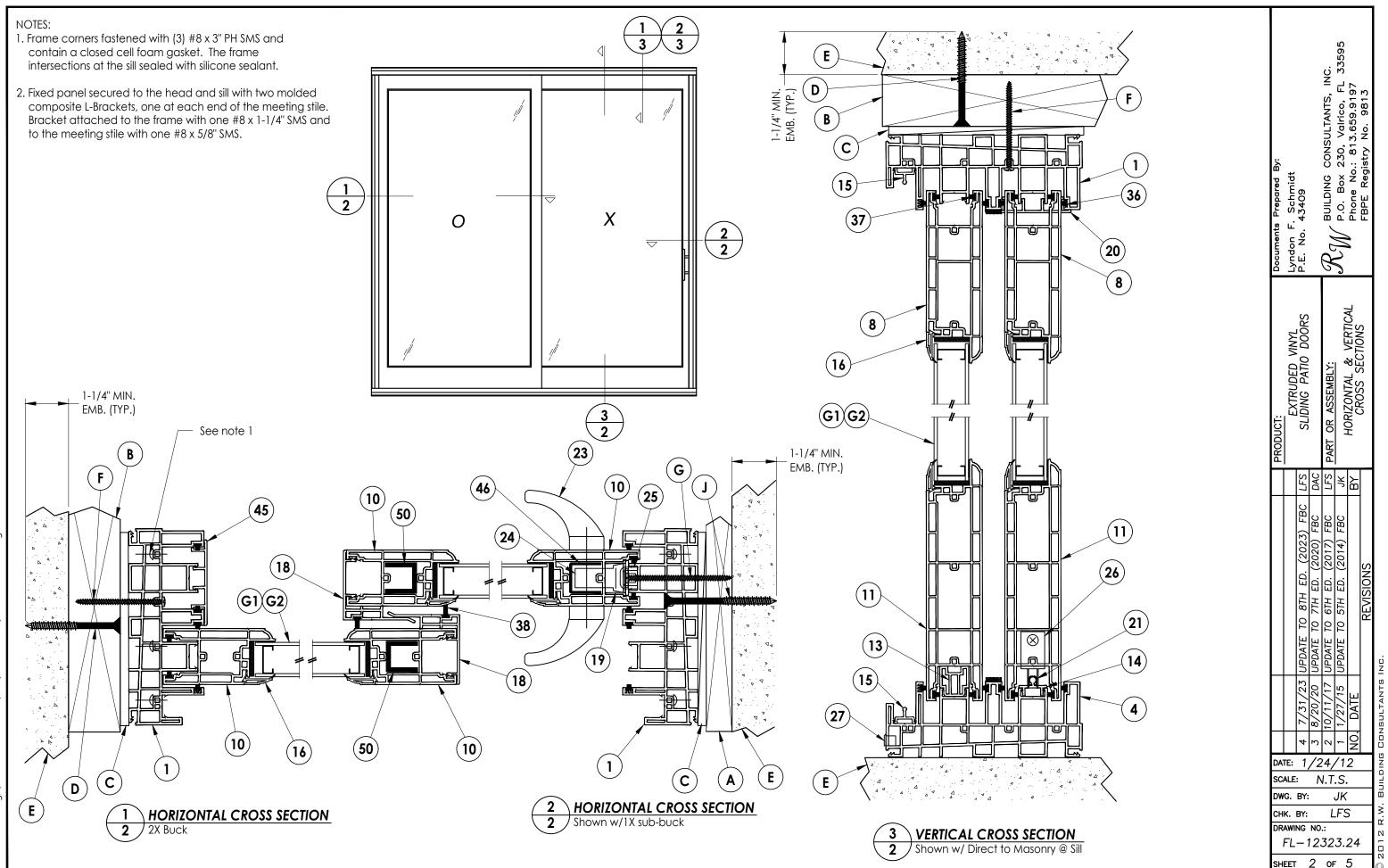
	Lyndon F. Schmidt P.E. No. 43409
IGN OTES	M P.O. Box 230, Valrico, FL Phone No.: 813.659.9197 FBPE Registry No. 9813

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DATE: 1/24/12 N.T.S.

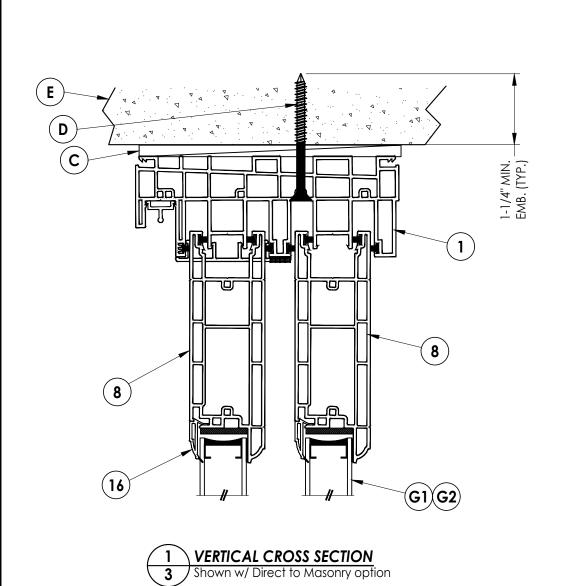
FL-12323.24 SHEET 1 OF 5

DRAWING NO.:



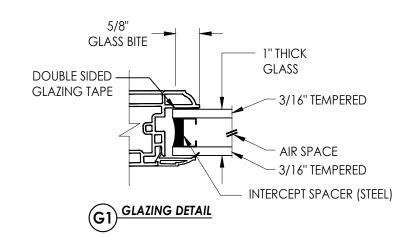
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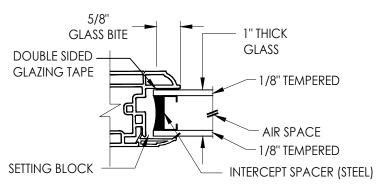




NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal. Maintain a minimum 5/8" edge distance.

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



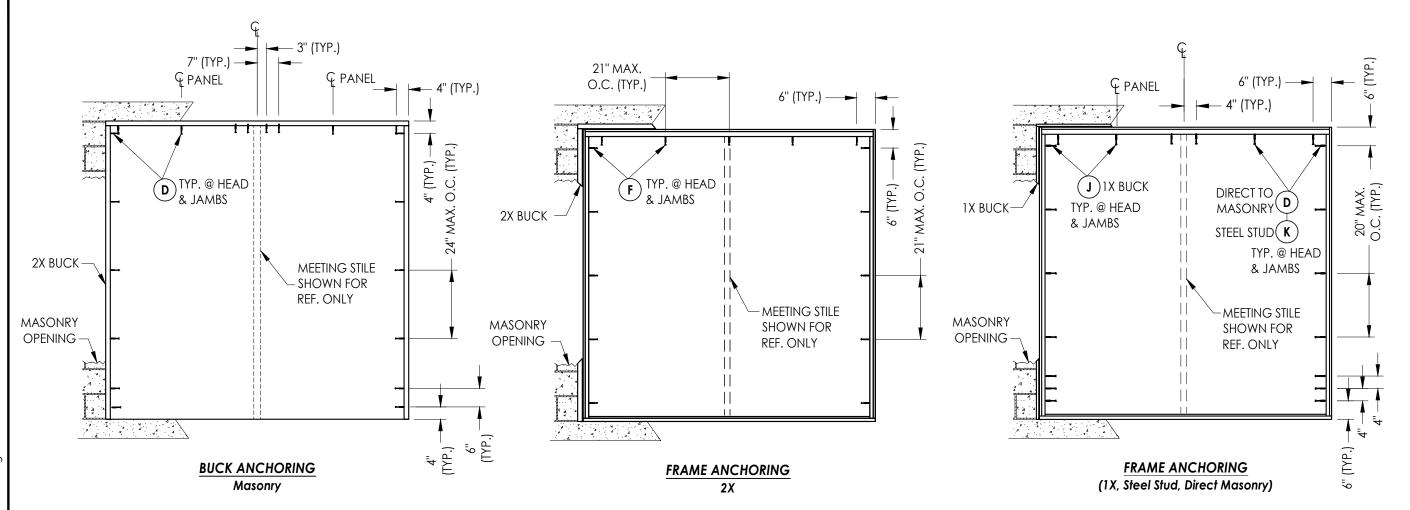


G2 GLAZING DETAIL

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Lyndon F. Schmidt P.E. No. 43409

EXTRUDED VINYL SLIDING PATIO DOORS



## **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 <sup>®</sup>	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+	1/4"	1-1/4"	1"	4"

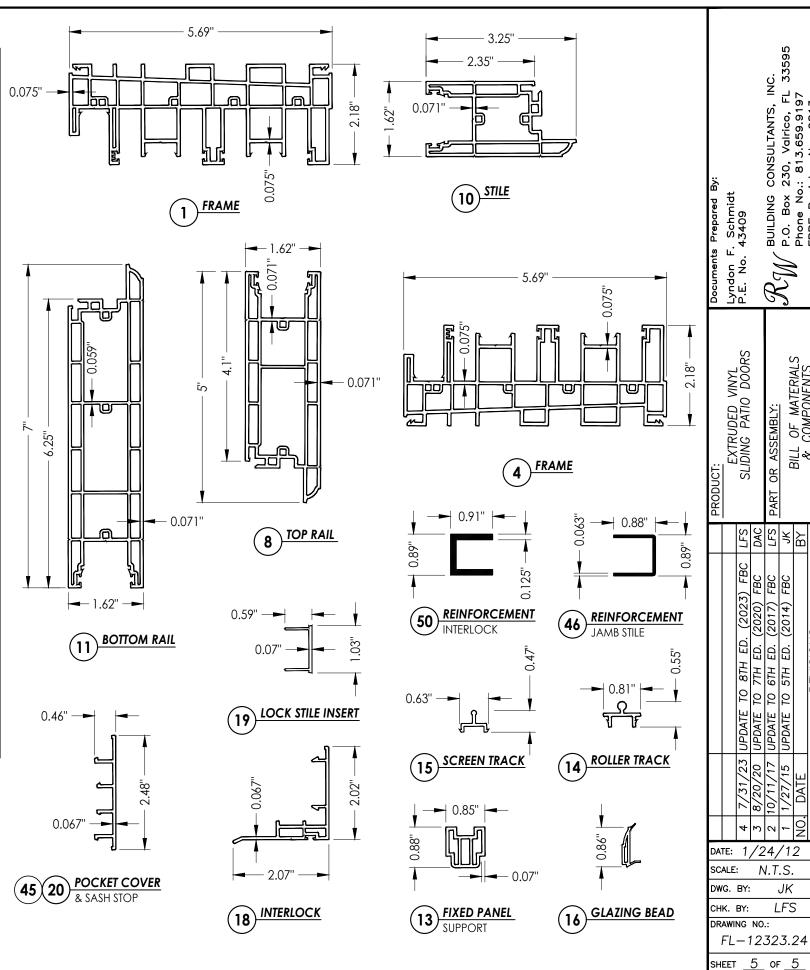
## **WOOD SCREW INSTALLATION NOTES:**

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

Documents Prepared By:	Lyndon F. Schmidt	P.E. No. 43409		DOLL BUILDING CONSULTANTS, INC.	UV /// P.O. Box 230, Valrico, FL 33595	Phone No.: 813.659.9197	FBPE Registry No. 9813	
PRODUCT:	EXTRUDED VINYL	SLIDING PATIO DOORS		PART OR ASSEMBLY:		DOCK & FRAME	ANGLIONING	
		LFS	DAC	LFS	¥	ВУ		
		UPDATE TO 8TH ED. (2023) FBC   LFS	UPDATE TO 7TH ED. (2020) FBC	UPDATE TO 6TH ED. (2017) FBC	UPDATE TO 5TH ED. (2014) FBC		REVISIONS	
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	BILL OF MATERIALS	
ITEM #	DESCRIPTION	MATERIAL
Α	1X BUCK (SG >= 0.42)	WOOD
В	2X BUCK (SG >= 0.42)	WOOD
С	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
Е	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 X 2-1/2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
G	#8 X 3" PFH WOOD SCREW	STEEL
J	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
L	#8 X 3" PH SHEET METAL SCREW	STEEL
Χ	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	FRAME - HEAD & SIDE JAMBS* - #UU0400	PVC
4	FRAME BOTTOM SILL* - #UU0401	PVC
8	5" FIXED & OPERABLE PANEL TOP RAIL* - #UU0403	PVC
10	3" FIXED & OPERABLE PANEL STILE* - #UU0402	PVC
11	7" FIXED & OPERABLE PANEL BOTTOM RAIL* - #UU0404	PVC
13	FIXED PANEL SUPPORT* - #UU0409	PVC
14	ROLLER TRACK *- #UU0406	PVC
15	SCREEN TRACK HEAD & SILL* - #UU0408	PVC
16	GLAZING BEAD* - #UU0410	PVC
18	INTERIOR INTERLOCK* - # UU0405	PVC
19	LOCK STILE INSERT *- #UU0417	PVC
20	SASH STOP* - #UU0416	PVC
21	ROLLER TRACK CAP	SS
23	HANDLE SET - SIGNATURE TOP LOCK - #UU0244	-
24	2-POINT LOCK	-
25	KEEPER	-
26	ROLLER	NYLON
27	WEEP COVER*	PVC
36	FRAME WEATHERSTRIPPING - AMESBURY .187" X .240" G2 FIN PILE	-
37	FRAME WEATHERSTRIPPING - AMESBURY .187" X .240" G2 FIN PILE	_
38	INTERLOCK BULB SEAL - AMESBURY 91500	-
45	INTERIOR JAMB POCKET COVER* - # UU0416	PVC
46	3" JAMB STILE REINFORCEMENT - # UY0096	STEEL
50	3" INTERLOCK STILE REINFORCEMENT - # UY0098	STEEL

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



 $\mathscr{R}_{\mathscr{M}}$ 

BILL OF MATERIALS & COMPONENTS

N.T.S.

JK

LFS