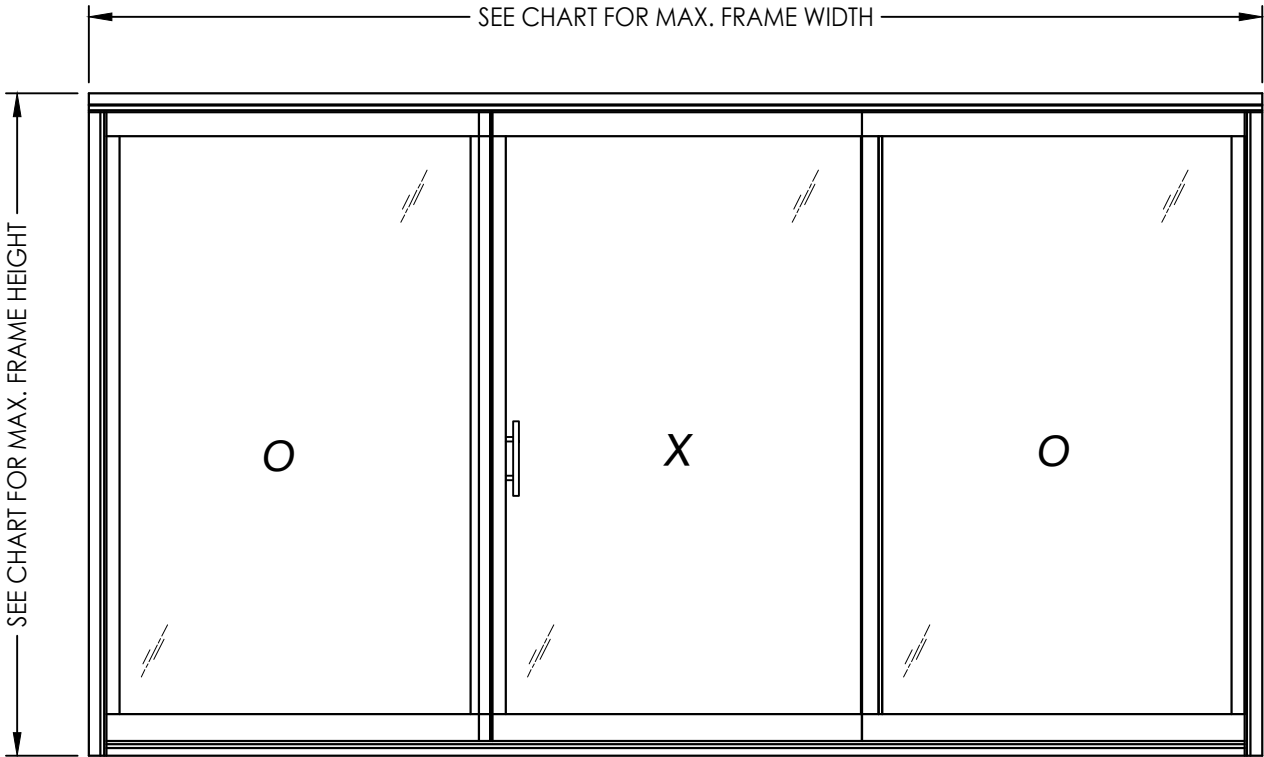


MODEL 9109
EXTRUDED VINYL
SLIDING PATIO DOORS
"NON-IMPACT"

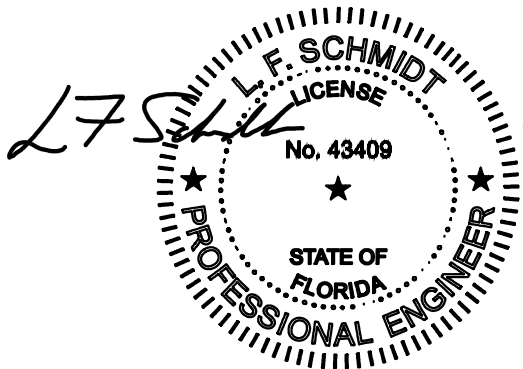
GENERAL NOTES

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.

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



OVERALL FRAME DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
141.19" x 80.0"	46.75" x 76.25"	42.25" x 70.0"	+15.0	-15.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.31 15:22:41 -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

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

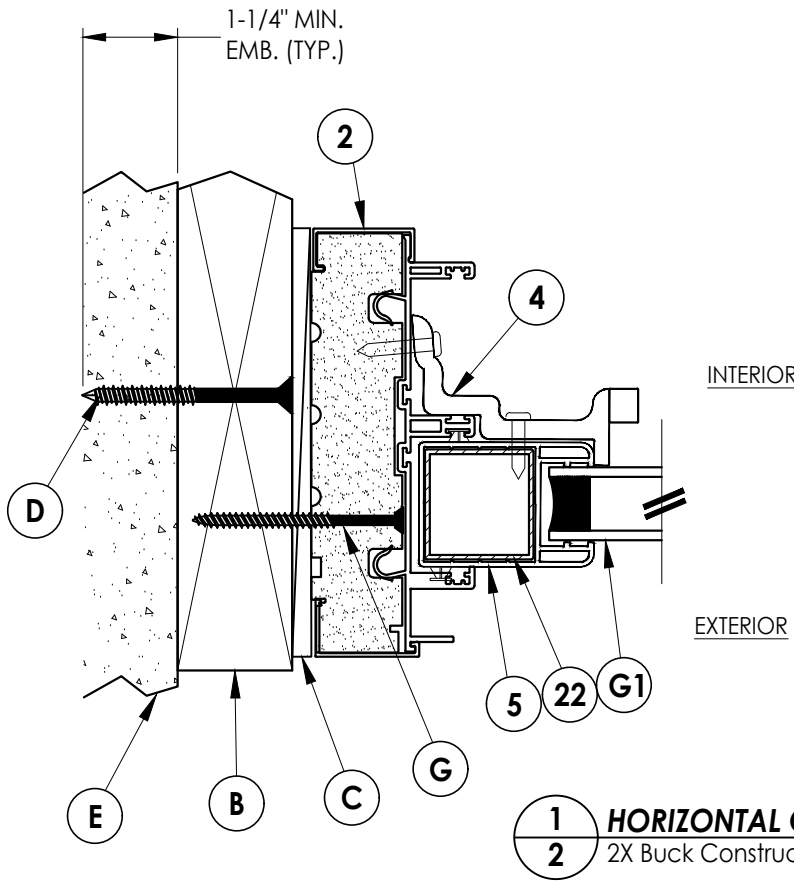
PRODUCT:
EXTRUDED VINYL
SLIDING PATIO DOORS

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

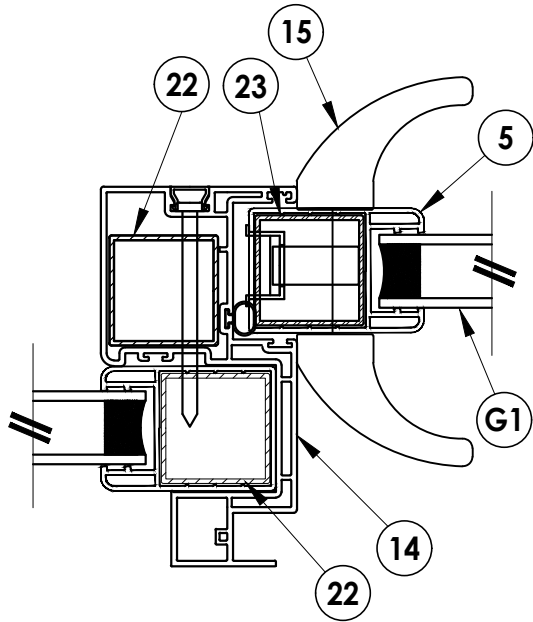
NO.	DATE	REVISIONS			
		DATE	BY	JK	LFS
5	7/31/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	8/20/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
3	10/02/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
2	1/27/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
1	9/21/11	UPDATED FOR 2010 FBC		JK	

DATE: 3/11/09
SCALE: N.T.S.
DWG. BY: DWS
CHK. BY: LFS
DRAWING NO.:
FL-12323.9
SHEET 1 OF 5

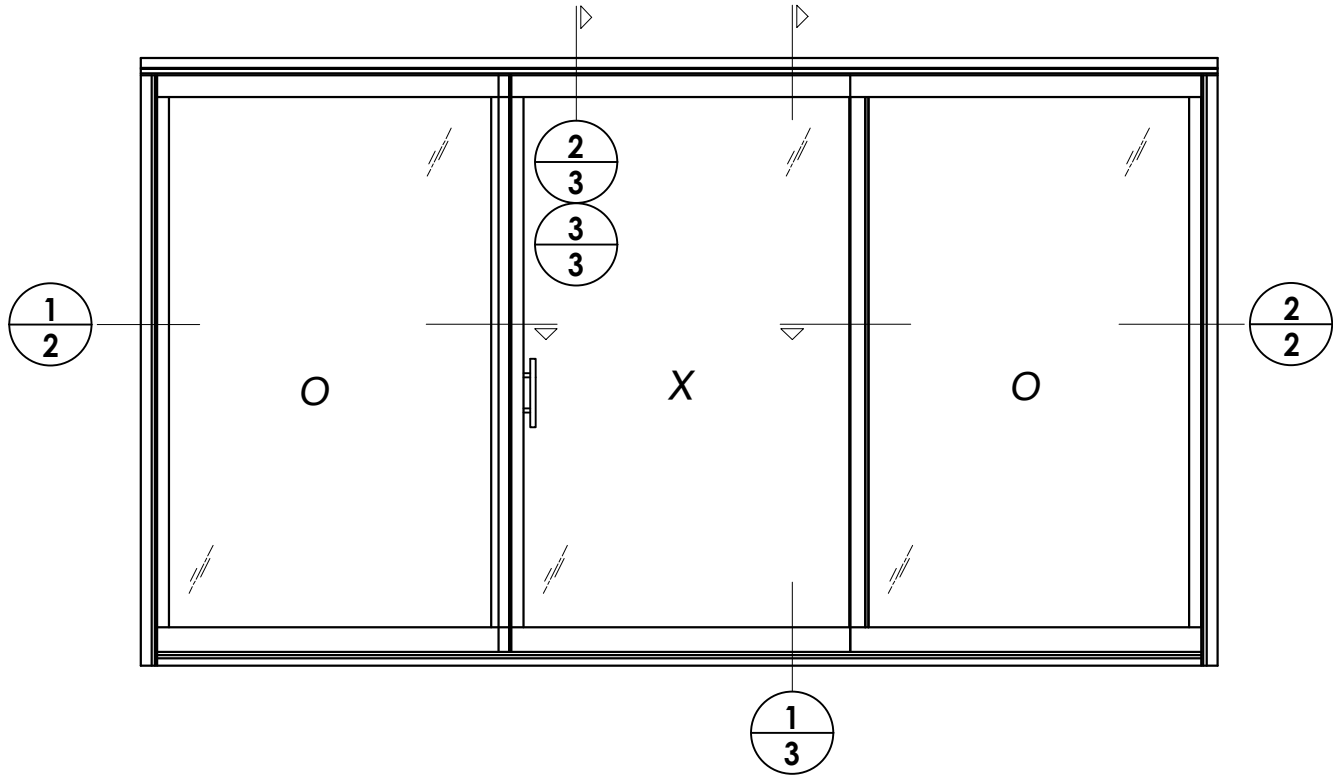
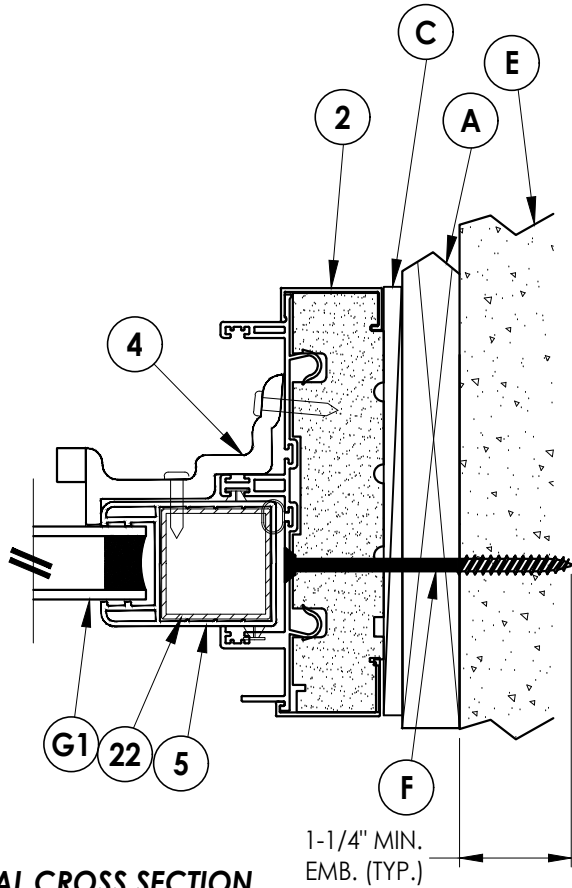
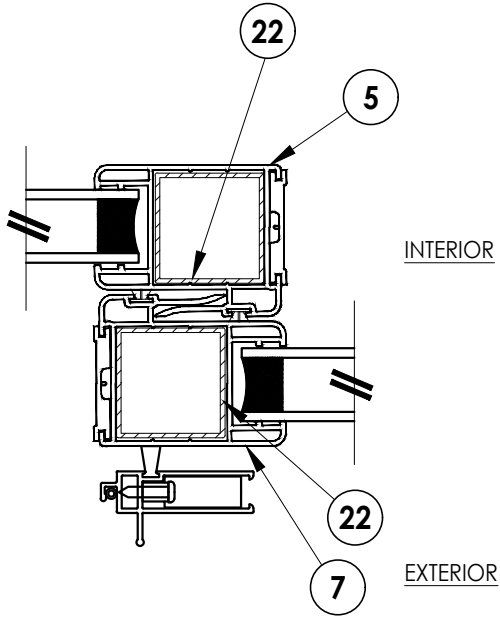
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1
2 **HORIZONTAL CROSS SECTION**
2X Buck Construction



2
2 **HORIZONTAL CROSS SECTION**
Shown w/1X sub-buck



NO.		DATE	REVISIONS	
5	7/31/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
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				BY

DATE: 3/11/09

SCALE: N.T.S.

DWG. BY: DWS

CHK. BY: LFS

DRAWING NO.:

FL-12323.9

SHEET 2 OF 5

PRODUCT:
EXTRUDED VINYL
SLIDING PATIO DOORS

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

Documents Prepared By:
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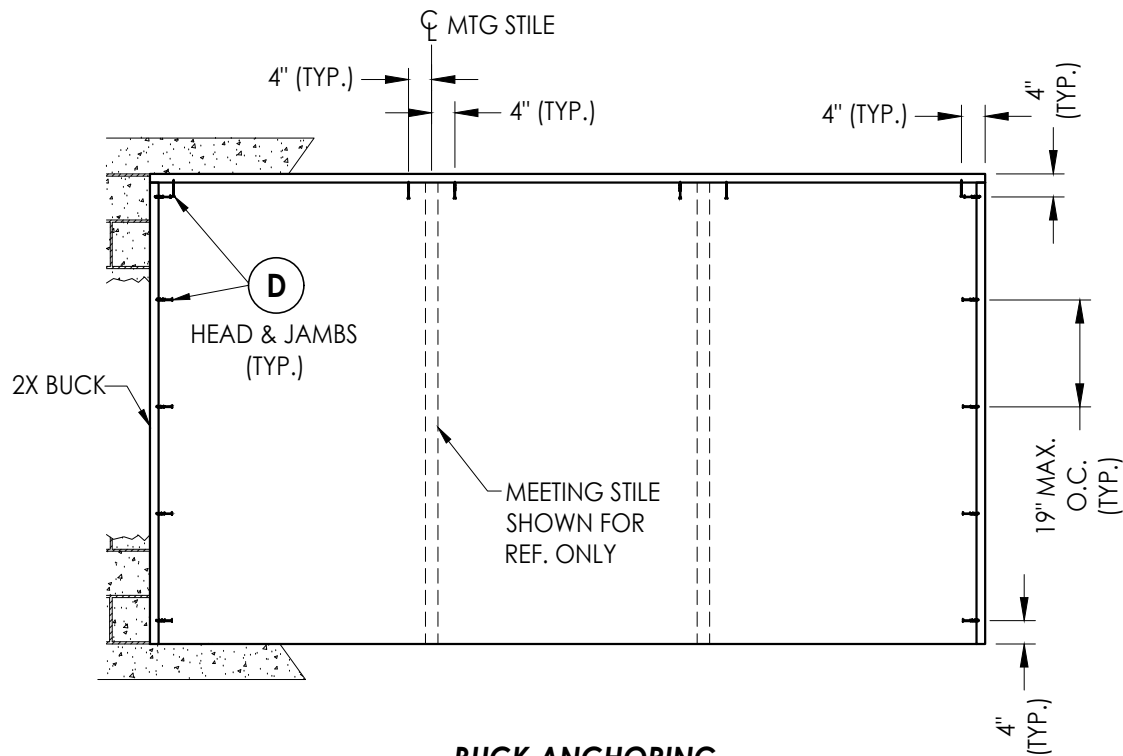


EXTERIOR

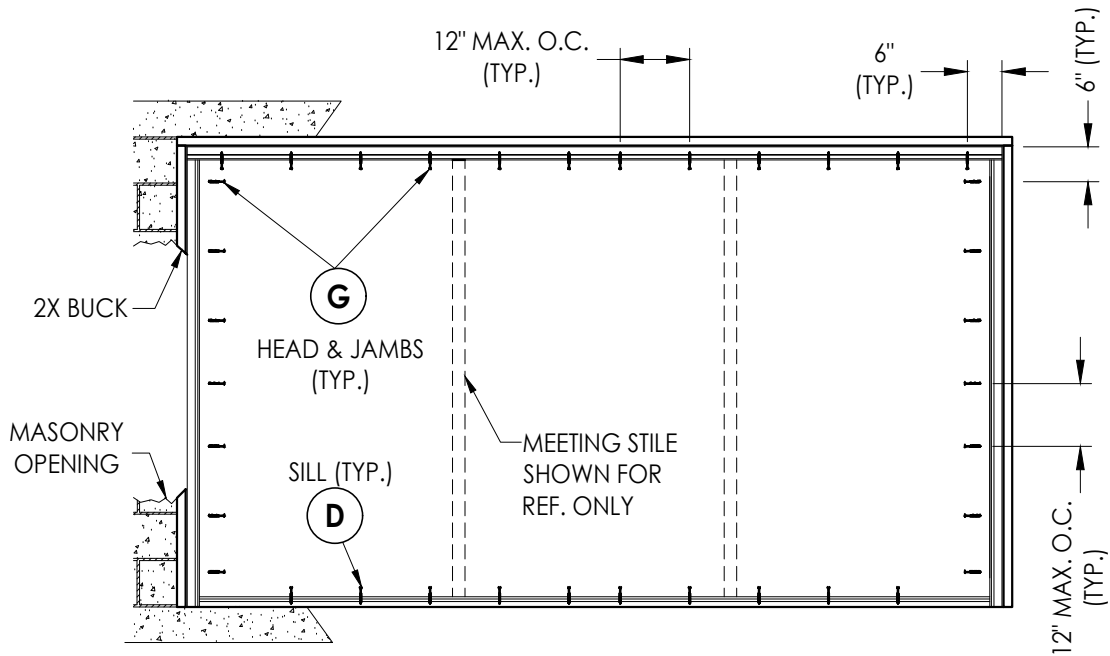
EXTERIOR

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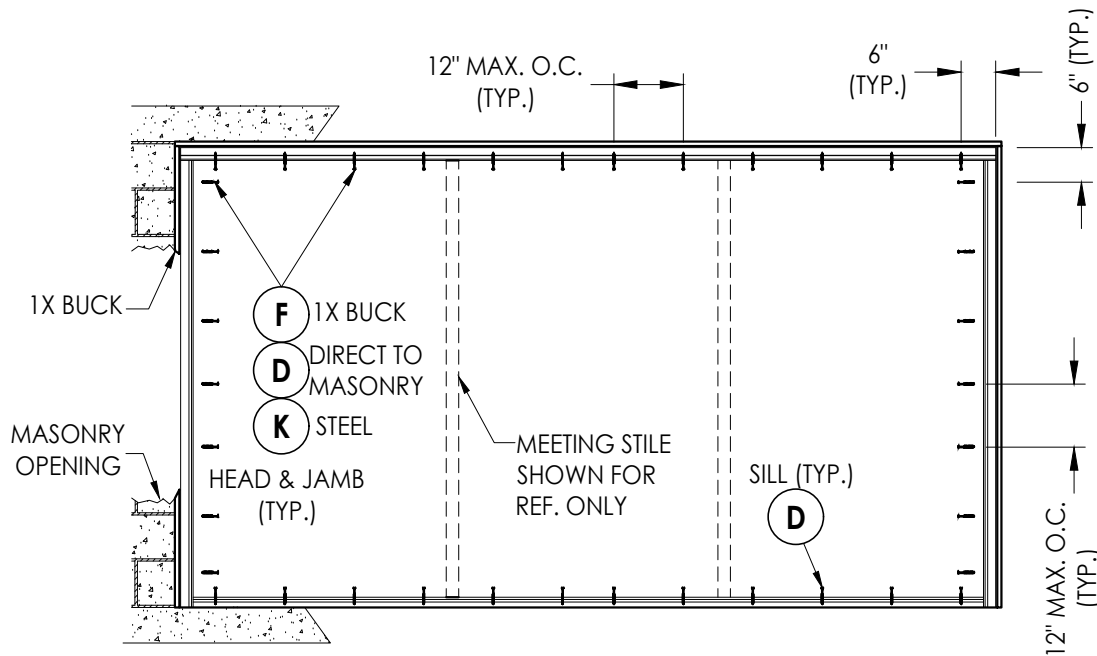
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**BUCK ANCHORING
MASONRY**



**FRAME ANCHORING
(2X Buck)**



**FRAME ANCHORING
(1X Buck, Direct to Masonry, Steel Stud)**

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- 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:

- 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

PRODUCT:
EXTRUDED VINYL
SLIDING PATIO DOORS

PART OR ASSEMBLY:
BUCK & FRAME
ANCHORING

DATE: 3/11/09

SCALE: N.T.S.

DWG. BY: DWS

CHK. BY: LFS

DRAWING NO.: FL-12323.9

SHEET 4 OF 5

REVISIONS

NO.	DATE	BY
5	7/31/23	LFS
4	8/20/20	DAC
3	10/02/17	LFS
2	1/27/15	JK
1	9/21/11	JK

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