

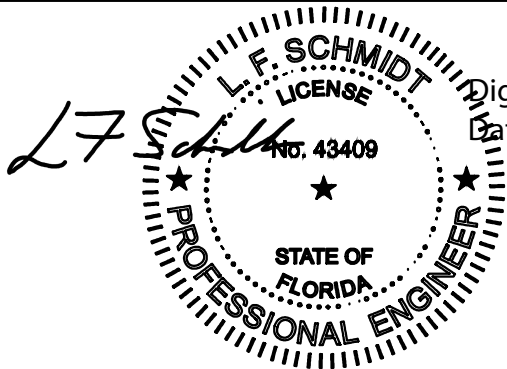
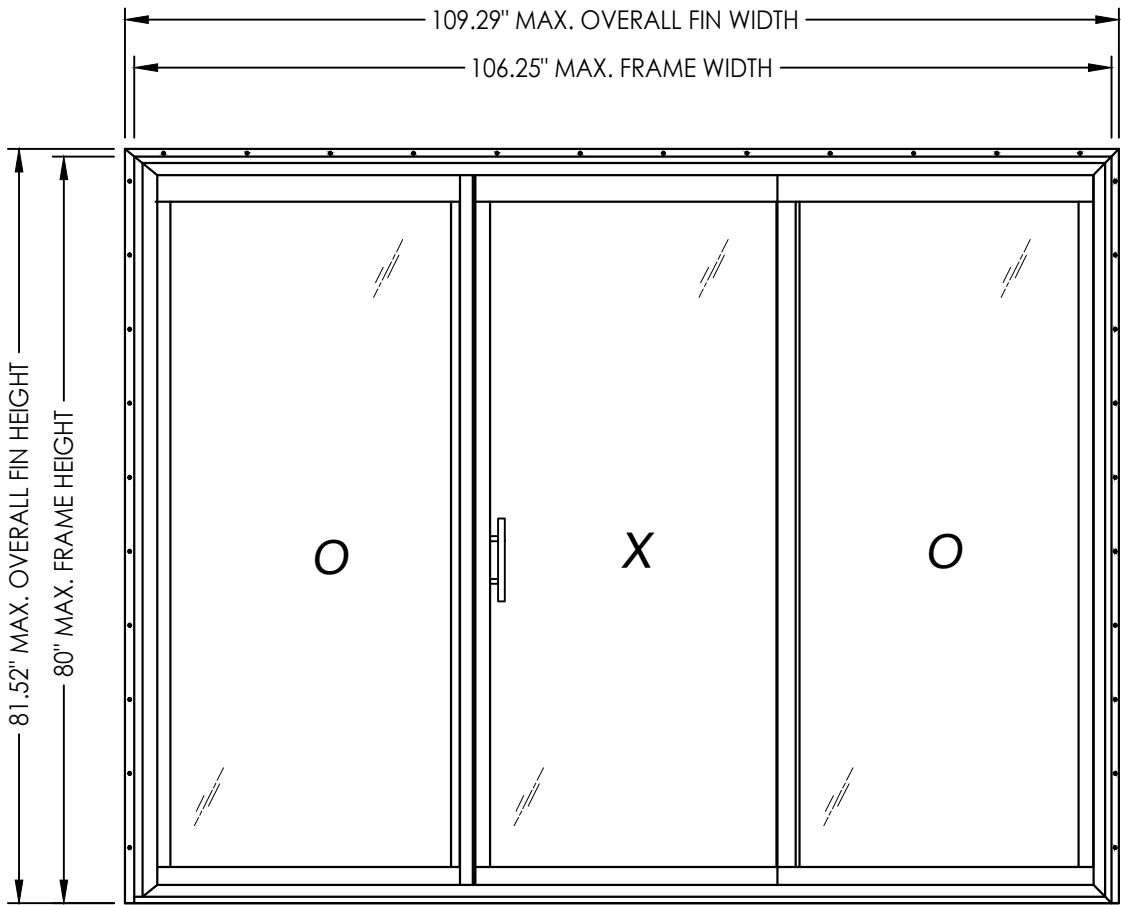
MODEL 51"i"9
EXTRUDED VINYL
SLIDING PATIO DOORS
w/ NAILING FIN
"NON-IMPACT"

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. 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 detail and components

OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
109.29" x 81.52"	106.25" x 80.0"	36.75" x 77.25"	32.0" x 72.5"	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.31 15:44:15 -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

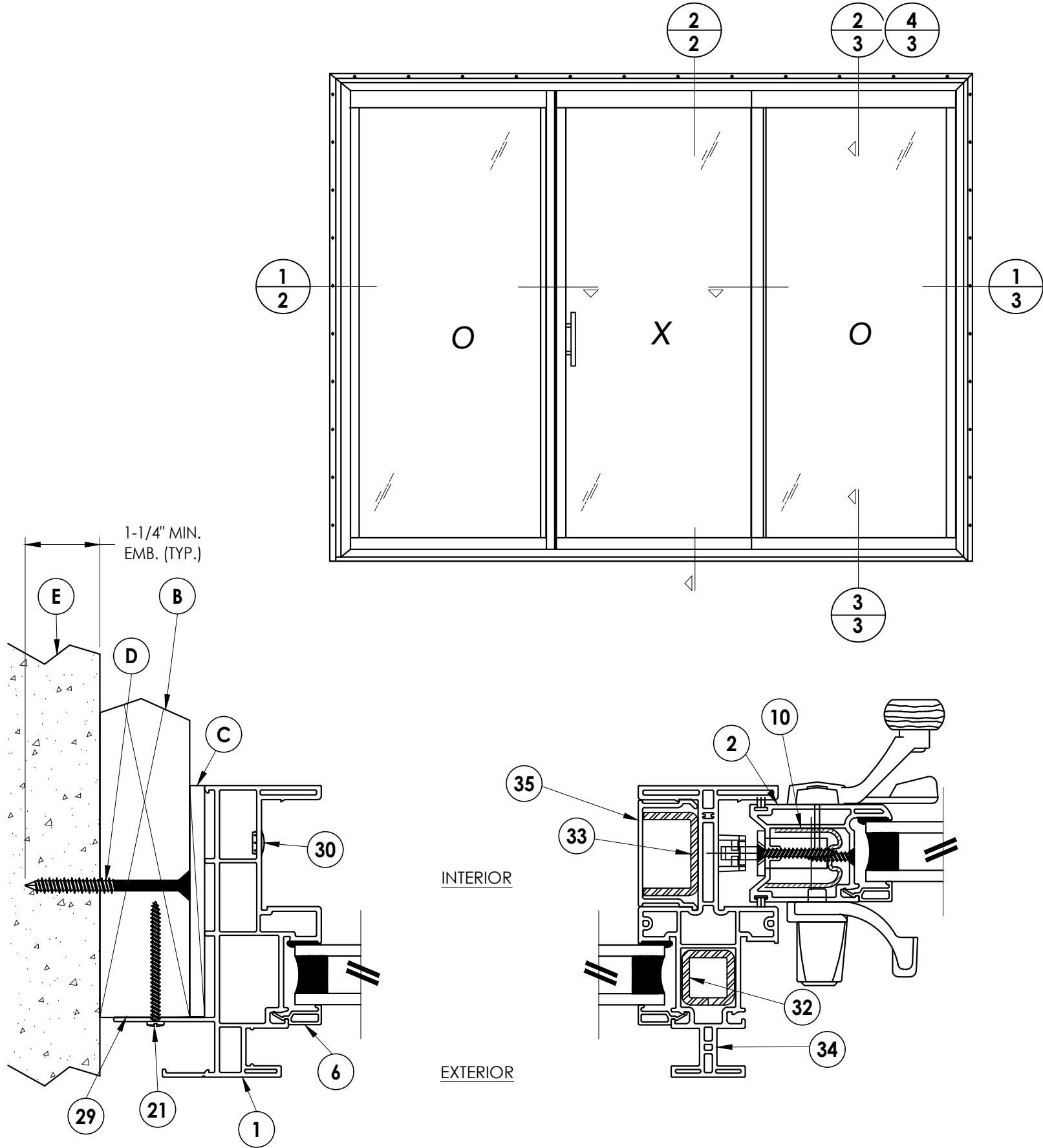
PRODUCT:
EXTRUDED VINYL
SLIDING PATIO DOORS

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

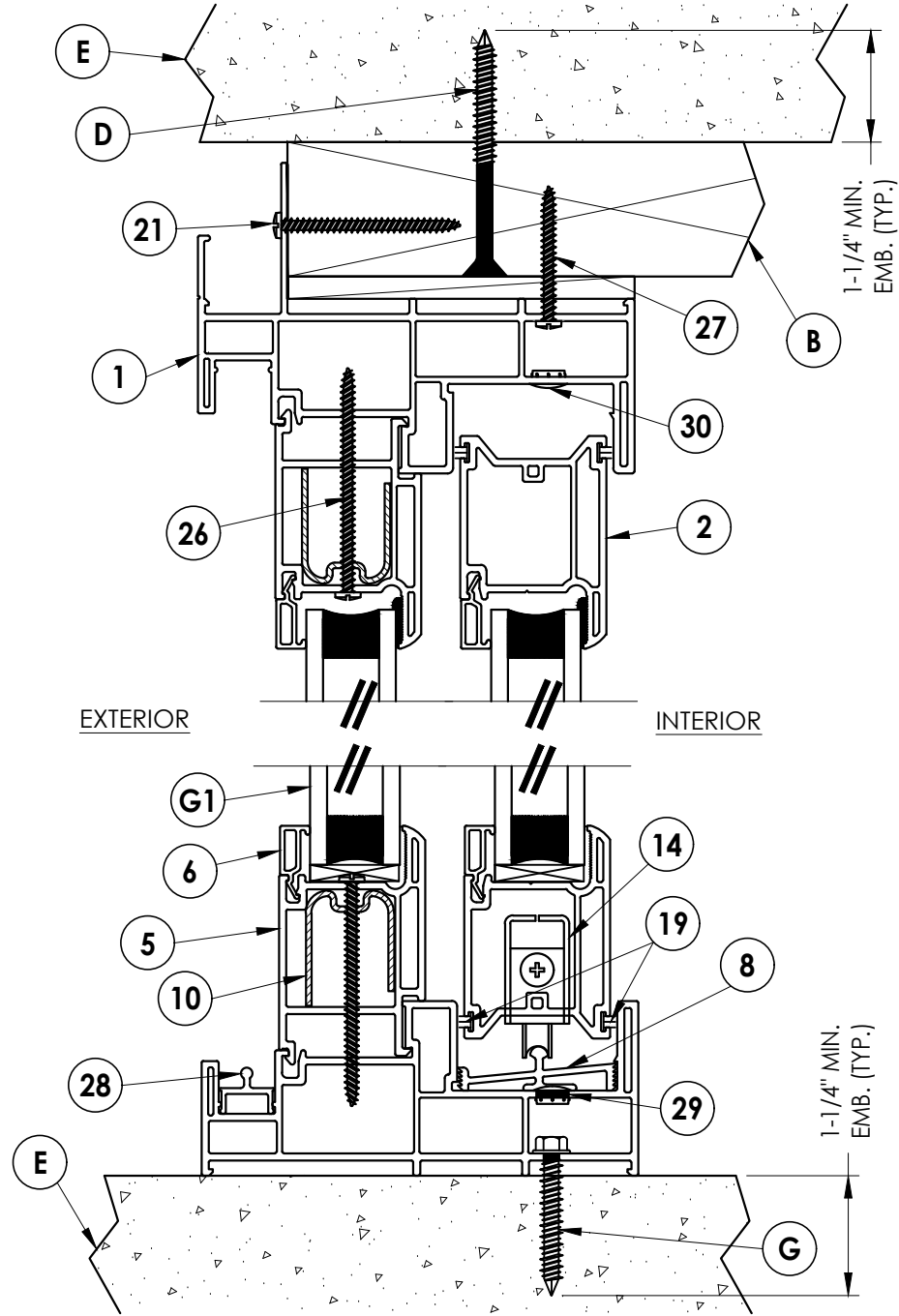
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		DATE	DESCRIPTION	BY	CHK
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4	8/20/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
3	10/02/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
2	1/27/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
1	9/21/11	UPDATED FOR 2010 FBC		JK	

DATE: 3/11/09
SCALE: N.T.S.
DWG. BY: DWS
CHK. BY: LFS
DRAWING NO.:
FL-12323.16
SHEET 1 OF 5

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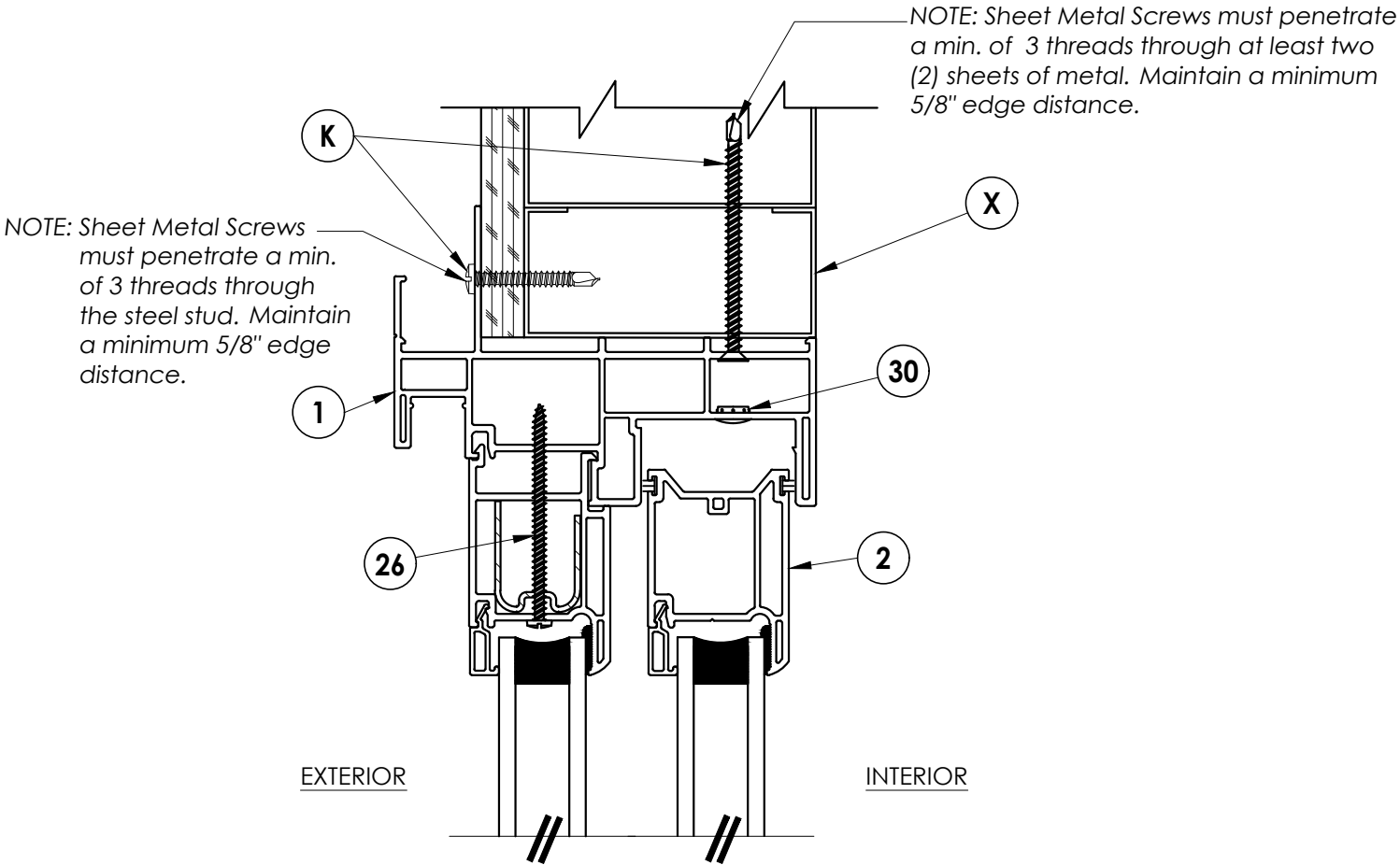
1 HORIZONTAL CROSS SECTION
2 2X Buck Construction



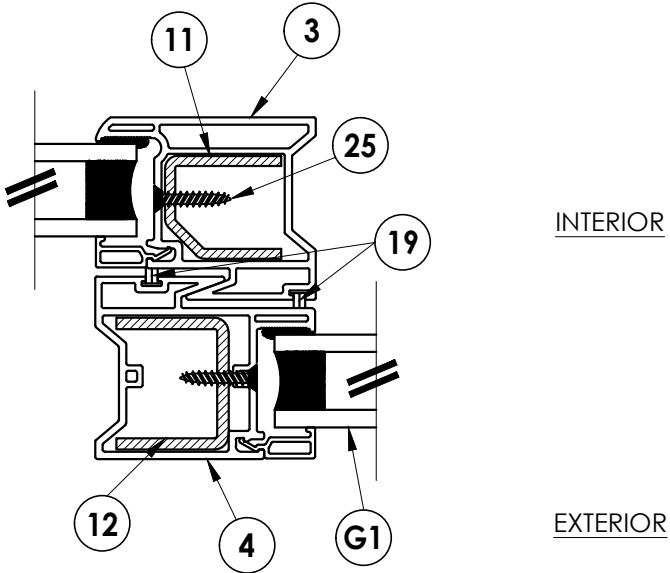
2 VERTICAL CROSS SECTION
2 2X Buck Construction

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:		EXTRUDED VINYL SLIDING PATIO DOORS		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS	
5	7/31/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
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SHEET 2 OF 5					

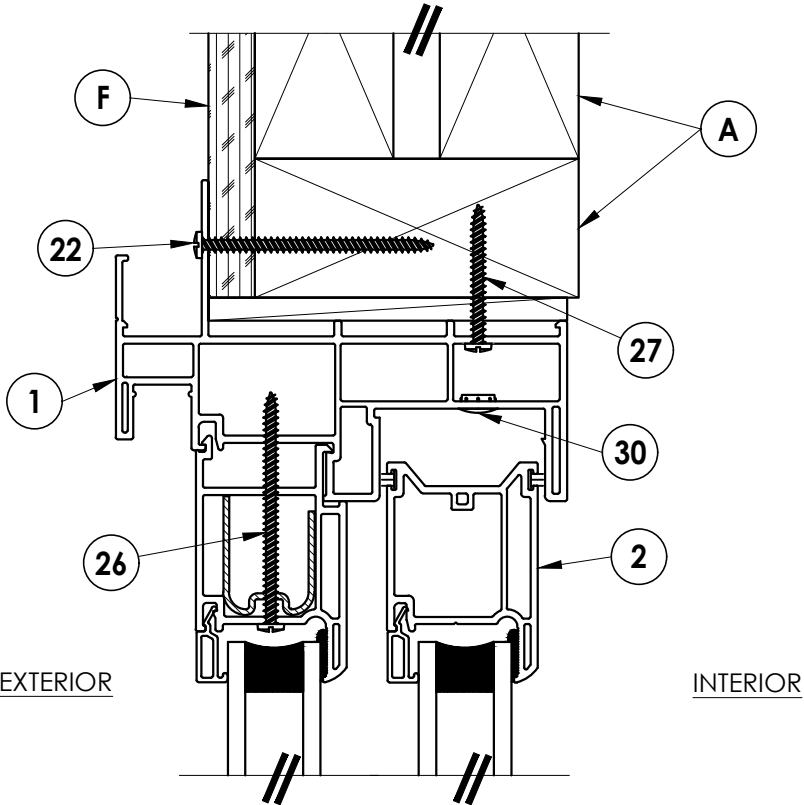
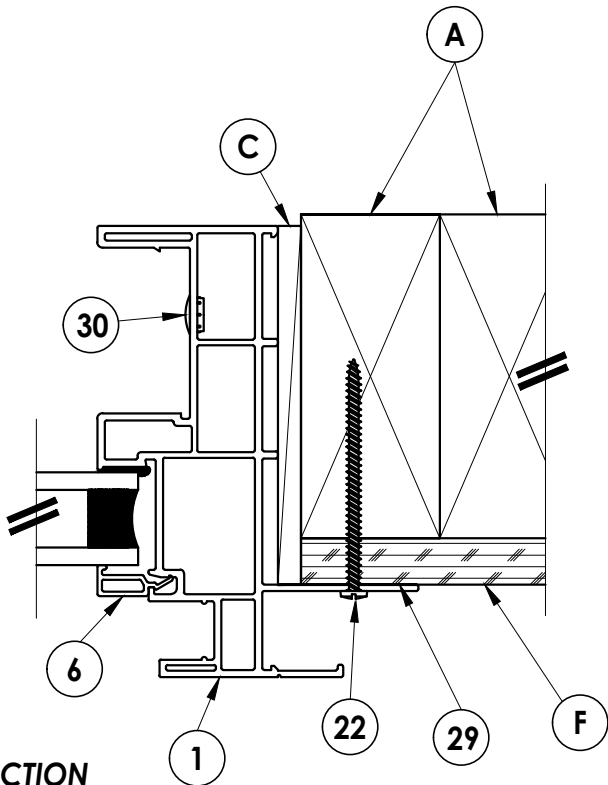
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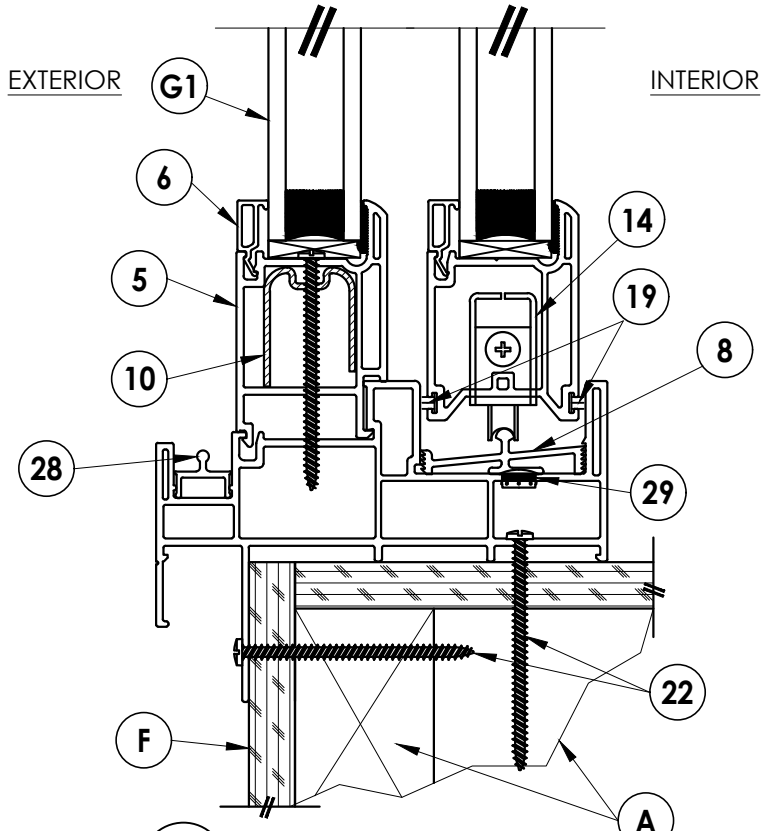
4 HORIZONTAL CROSS SECTION
3 Shown w/ Steel Stud framing option



1 HORIZONTAL CROSS SECTION
3 Shown w/Stud framing option



2 VERTICAL CROSS SECTION
3 Shown w/Stud framing option



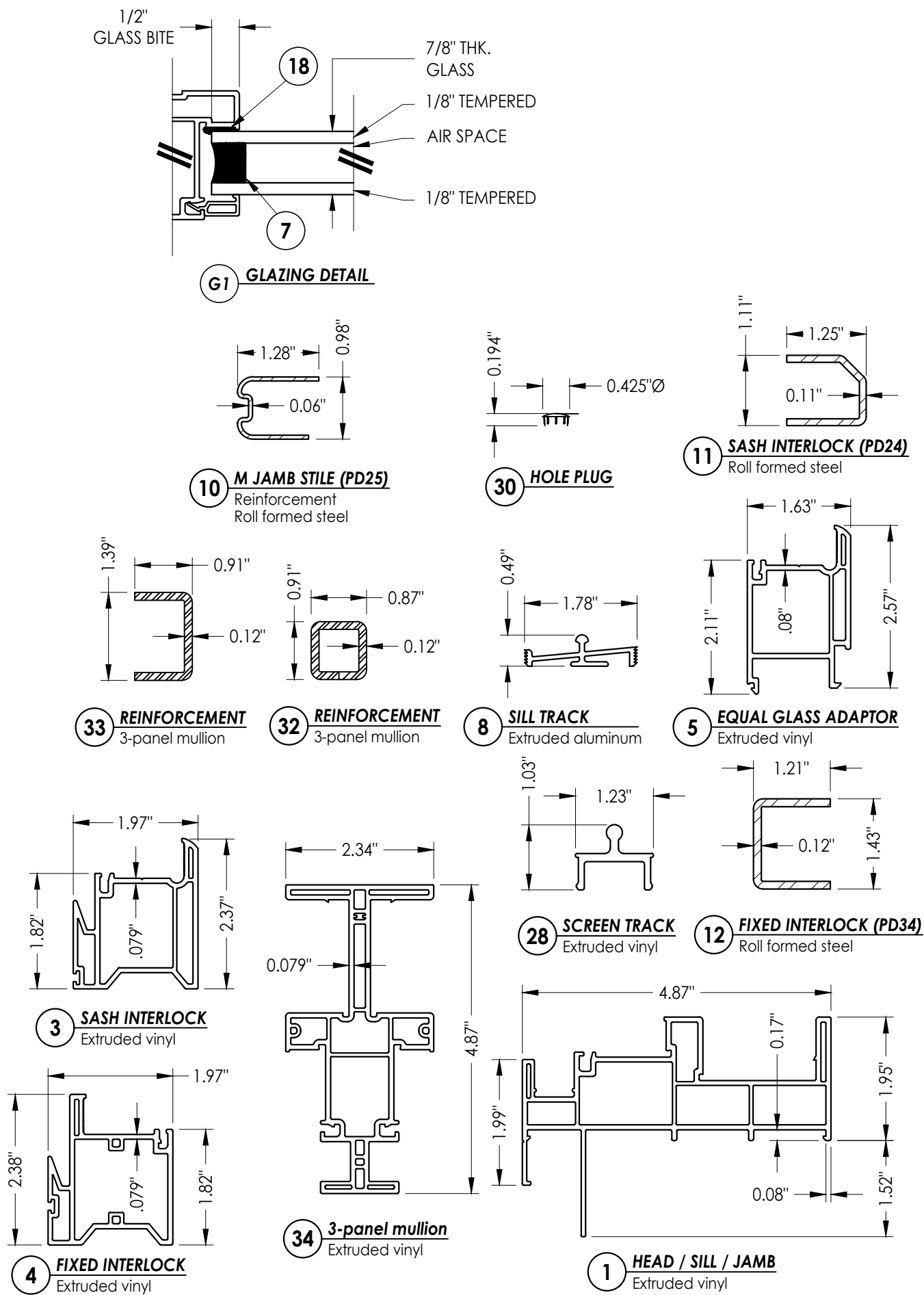
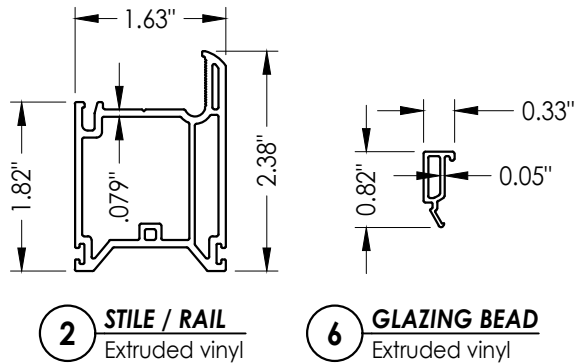
3 VERTICAL CROSS SECTION
3 Shown w/Stud framing option
(On crawl space)

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SHEET 3 OF 5					

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (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	SHEATHING	WOOD
G	1/4" X 1-3/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	EXTRUDED VINYL HEAD / SILL & JAMB / FRAME (#PD1201)	* RIGID PVC
2	EXTRUDED VINYL STILE / RAIL SASH (#PD25)	* RIGID PVC
3	EXTRUDED VINYL SASH INTERLOCK (#PD24)	* RIGID PVC
4	EXTRUDED VINYL FIXED INTERLOCK (#PD34)	* RIGID PVC
5	EXTRUDED VINYL EQUAL GLASS ADAPTOR (#PD39)	* RIGID PVC
6	EXTRUDED VINYL 1" GLAZING BEAD (#BV22)	* RIGID PVC
7	SILICONE FOAM SPACER	-
8	ALUMINUM SILL TRACK (#PD22)	ALUMINUM
10	JAMB STILE (PD25) REINFORCEMENT ROLL FORMED STEEL (#RFPD03SOM)	STEEL
11	SASH INTERLOCK (PD24) REINFORCEMENT ROLL FORMED STEEL (#RFPD24SOM)	STEEL
12	FIXED INTERLOCK (PD34) REINFORCEMENT ROLL FORMED STEEL (#RFPD34SOM)	STEEL
13	SLIDING PATIO DOOR HANDLE SET #684 BY SASH CONTROLS	-
14	TANDEM ROLLER ASSEMBLY BY ULTRA #64266	STEEL
15	#10 X 1-1/4" PFH (MORTISE LOCK) SCREWS BY SASH CONTROLS	STEEL
18	PURFECT GLAZE 34-937A SEALANT BY NATIONAL ADHESIVES	SEALANT
19	WEATHERPILE .187" x .270" BY AMESBURY	-
21	#8 X 2" PPH SMS (1-1/2" MIN. EMBEDMENT)	STEEL
22	#8 X 2-1/2" PPH SMS (1-1/2" MIN. EMBEDMENT)	STEEL
25	#8 X 3/4" PFH SELF SELF DRILLING SCREWS	STEEL
26	#8 X 2-1/2" PPH SMS (EQ. GLS. ADAPTOR) SCREWS BY MERCHANTS	STEEL
27	#8 X 1-1/2" PPH SMS (1" MIN. EMBEDMENT)	STEEL
28	EXTRUDED VINYL SCREEN TRACK (#PDT58)	* RIGID PVC
29	SILICONE SEALANT (NOVAFLEX) BY NOVAGUARD	SILICONE
30	HOLE PLUGS BY ASHLAND (I 3034)	PLASTIC

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



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