

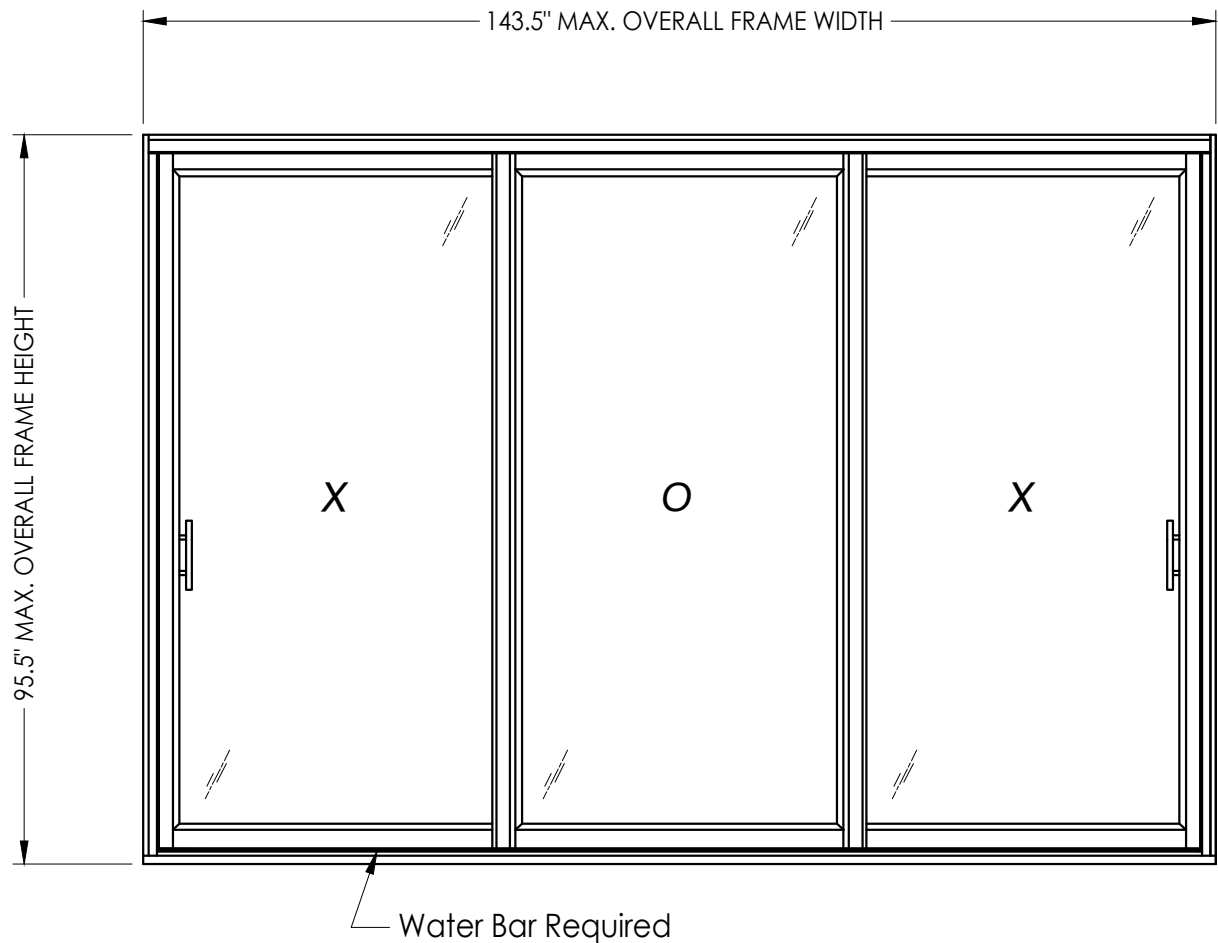
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SERIES 5200
MODEL 5203/5209/5210/5212
EXTRUDED VINYL
SLIDING PATIO DOORS
"NON-IMPACT"

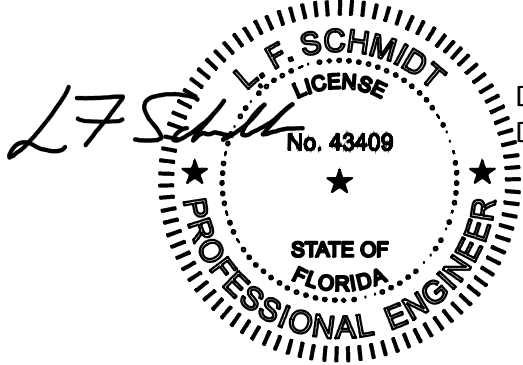
GENERAL NOTES

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 & frame anchoring
5	Bill of materials, glazing detail & components



OVERALL FRAME DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
143.5" x 95.5"	48.5" X 91.25"	42" X 84.75"	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.31 15:43:32 -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, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

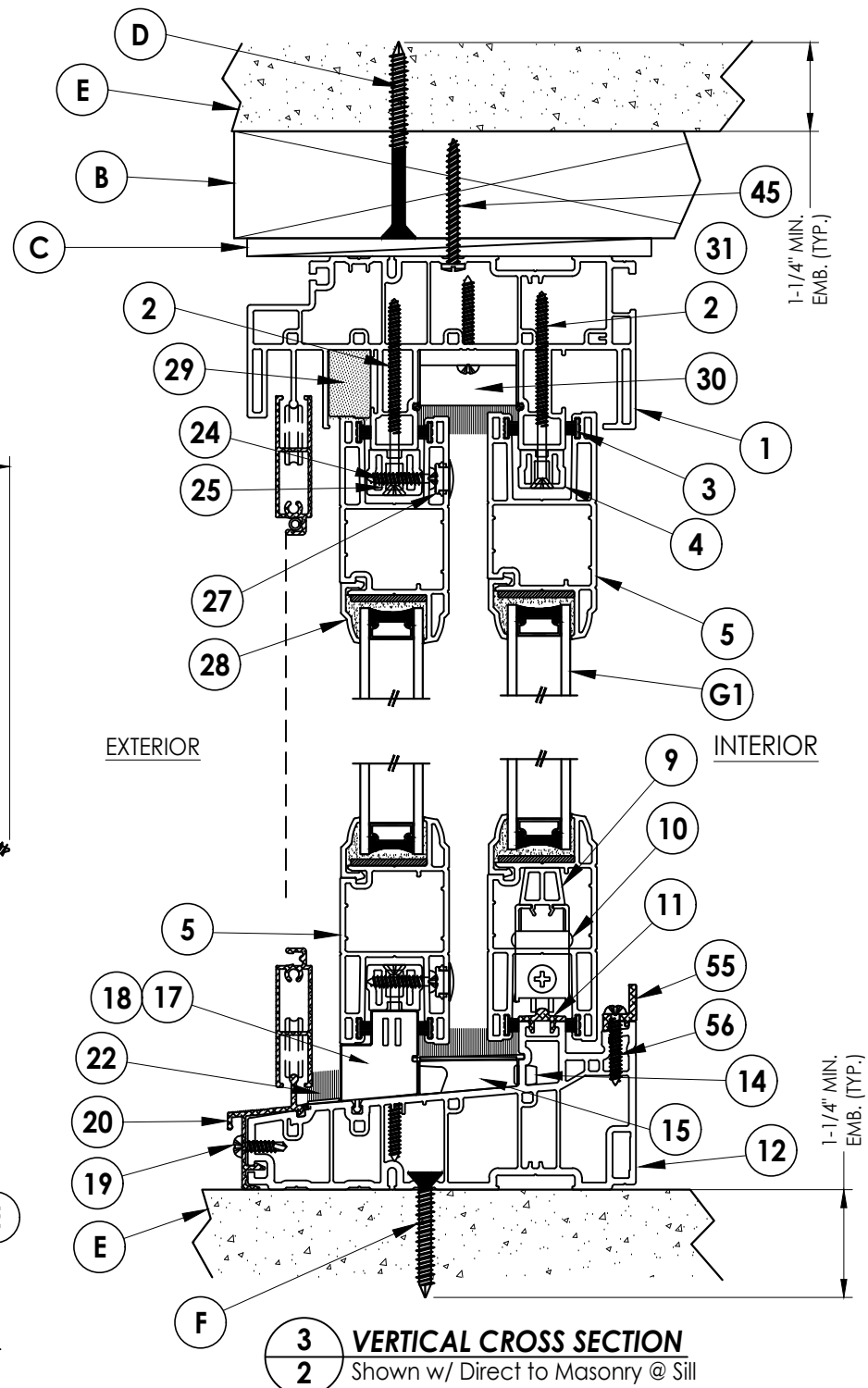
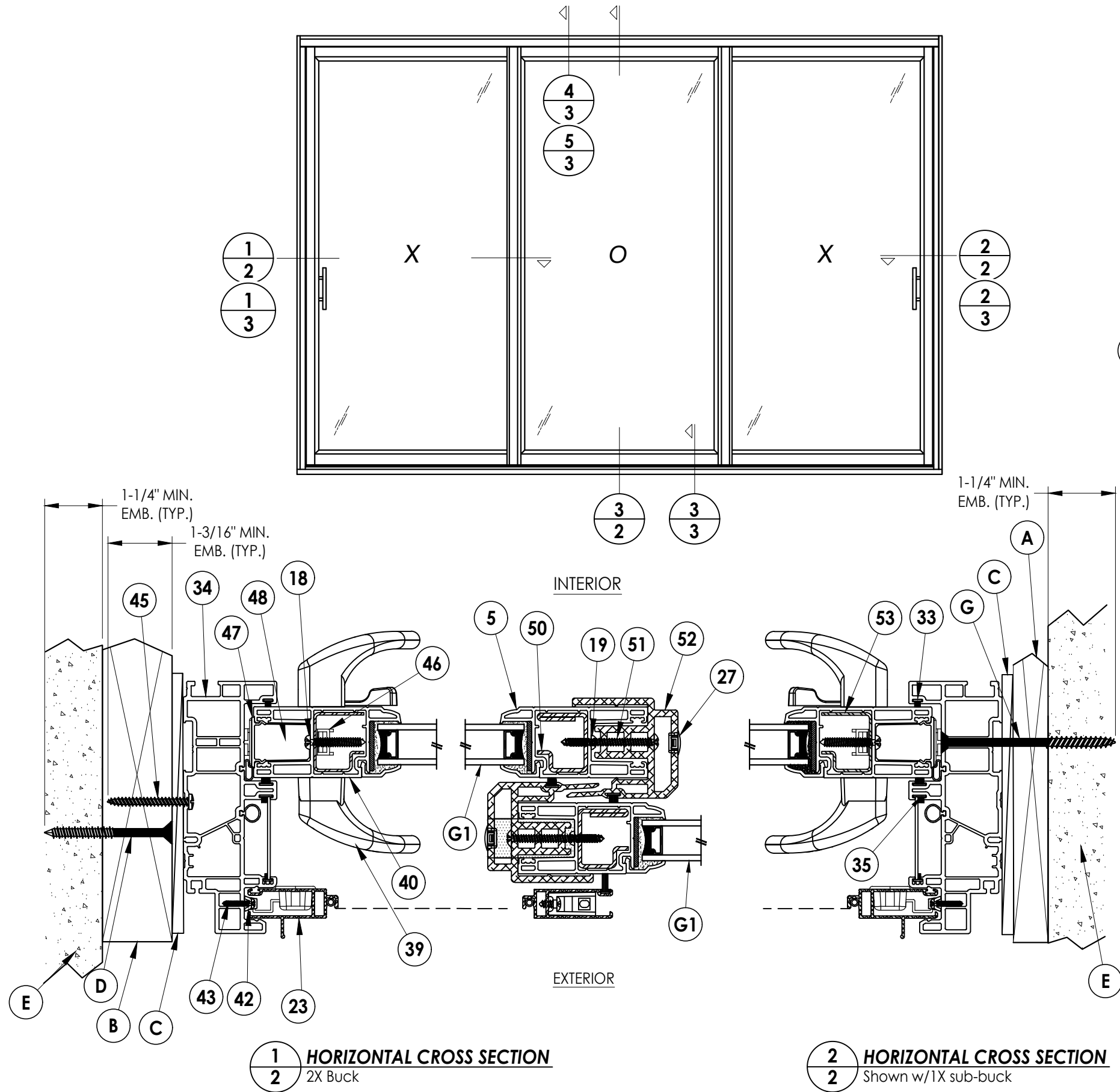
PRODUCT:
EXTRUDED VINYL
SLIDING PATIO DOORS

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

	NO.	DATE	REVISIONS			
5	7/31/23	UPDATE TO 8TH ED. (2023)	FBC	LFS		
4	8/20/20	UPDATE TO 7TH ED. (2020)	FBC	DAC		
3	2/15/19	REVISE FOR NEW TESTING		LFS		
2	10/10/17	UPDATE TO 6TH ED. (2017)	FBC	LFS		
1	1/27/15	UPDATE TO 5TH ED. (2014)	FBC	JK		
				BY		

DATE: 12/19/11
SCALE: N.T.S.
DWG. BY: KV
CHK. BY: LFS
DRAWING NO.:
FL-12323.20
SHEET 1 OF 5

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PRODUCT:
EXTRUDED VINYL
SLIDING PATIO DOORS

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS	BY
5	7/31/23	UPDATE TO 8TH ED. (2023) FBC	LFS
4	8/20/20	UPDATE TO 7TH ED. (2020) FBC	DAC
3	2/15/19	REVISE FOR NEW TESTING	LFS
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DATE: 12/19/11

SCALE: N.T.S.

DWG. BY: KV

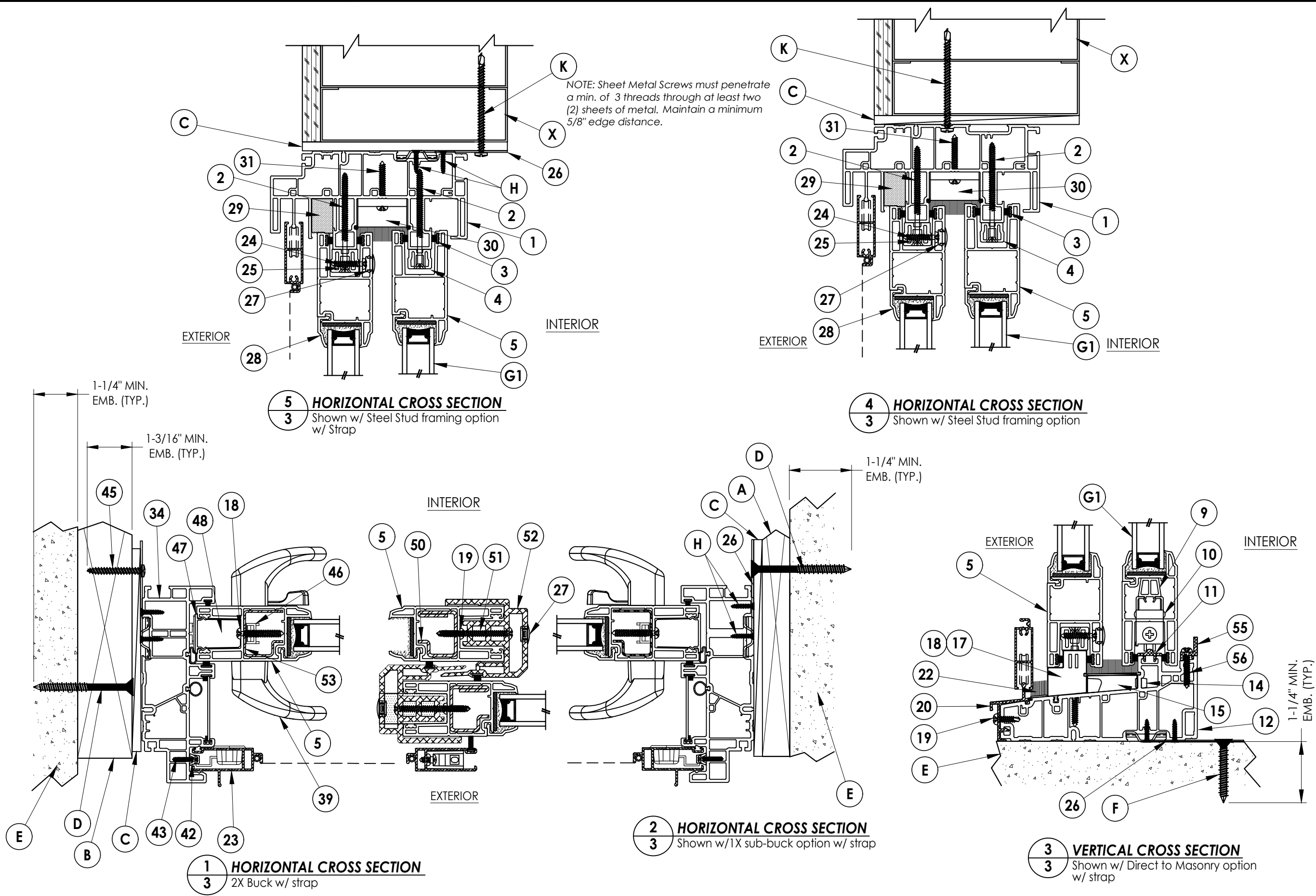
CHK. BY: LFS

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FL-12323.20

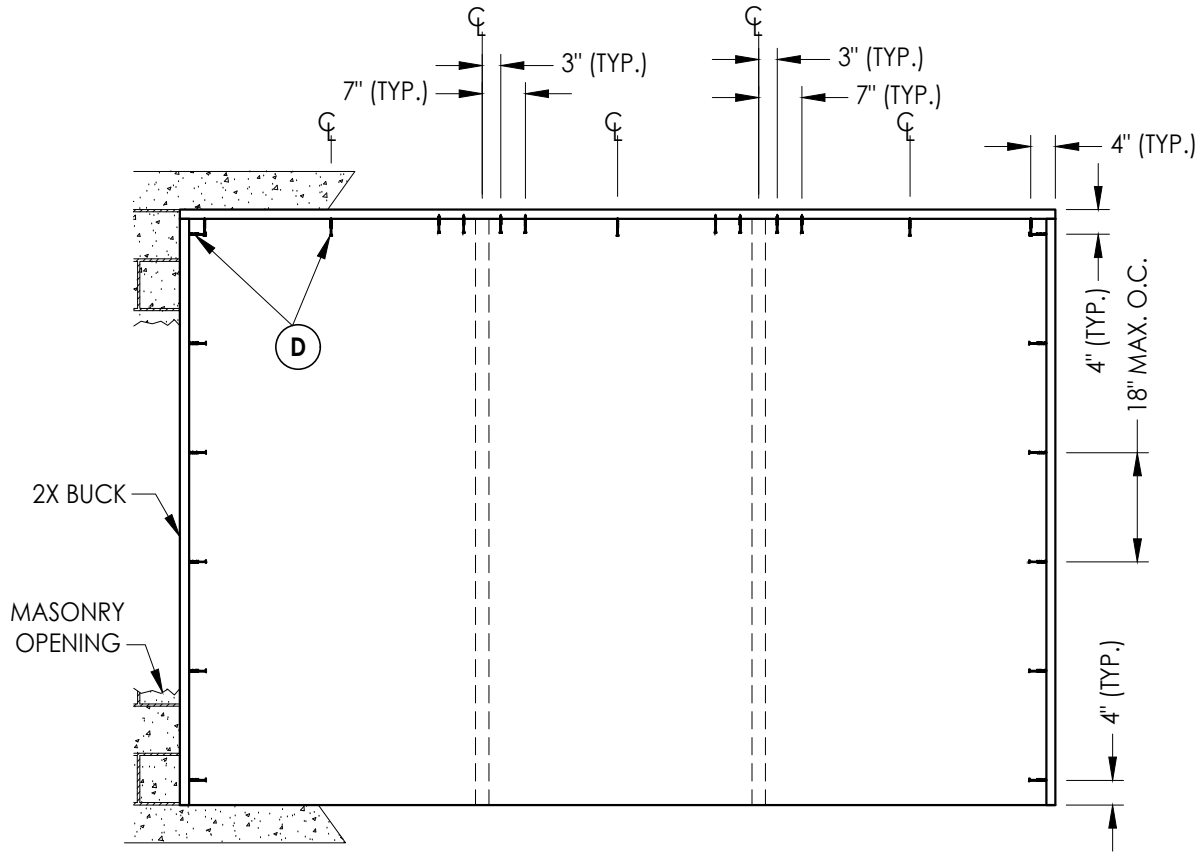
SHEET 2 OF 5

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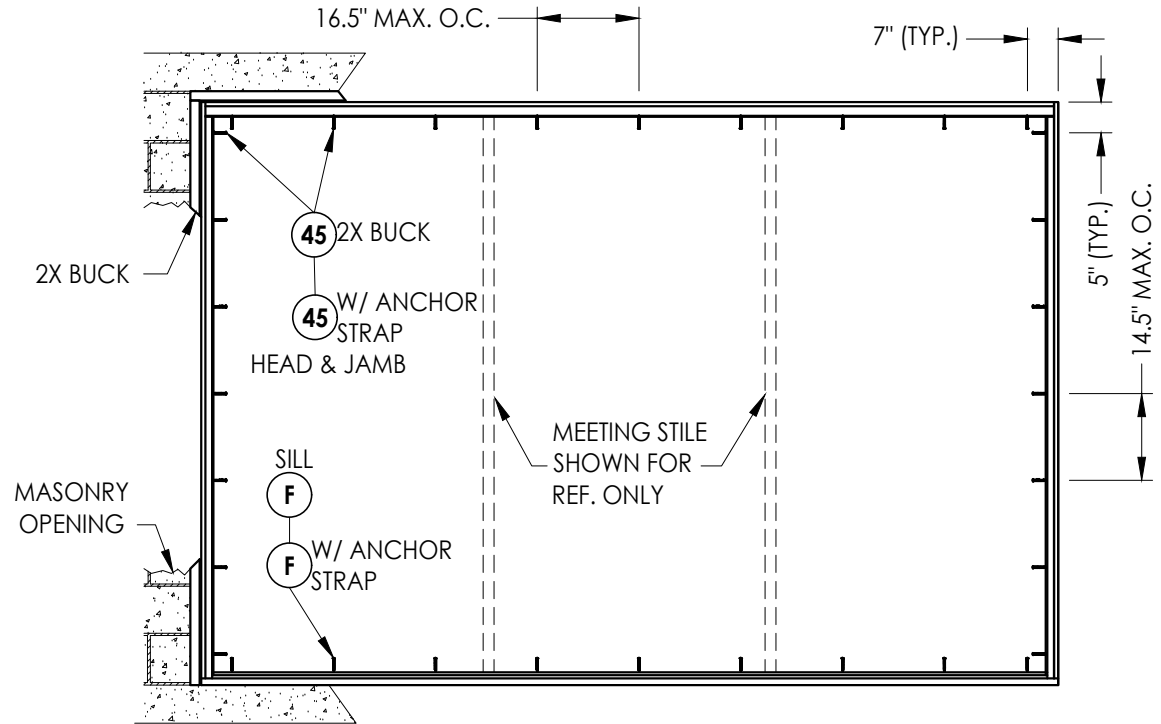


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PRODUCT: EXTRUDED VINYL SLIDING PATIO DOORS		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS	

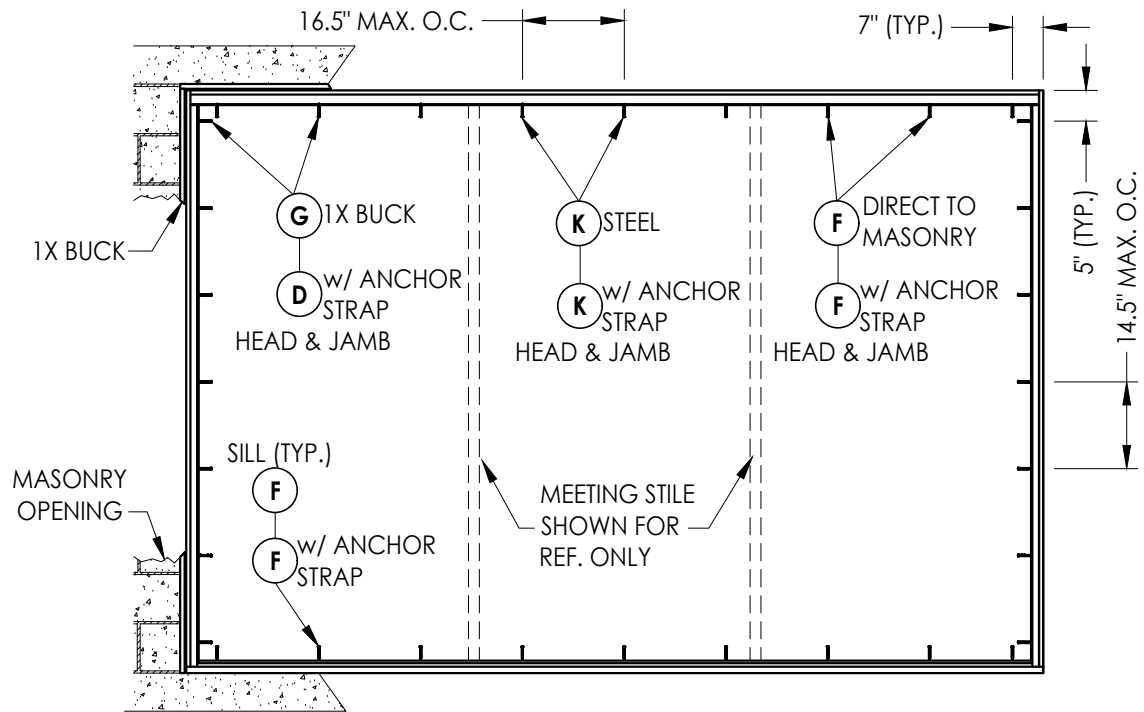
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**BUCK ANCHORING
MASONRY**



**FRAME ANCHORING
2X**



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

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 ULTRA-CON®	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.

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PRODUCT: EXTRUDED VINYL
SLIDING PATIO DOORS

PART OR ASSEMBLY:
BUCK & FRAME
ANCHORING

	LFS	DAC	LFS	LFS	JK	BY
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NO.	DATE					
REVISIONS						

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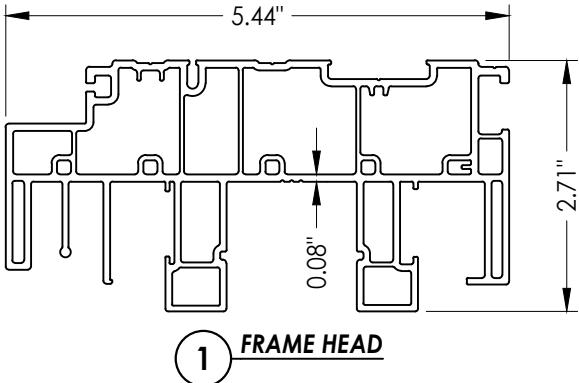
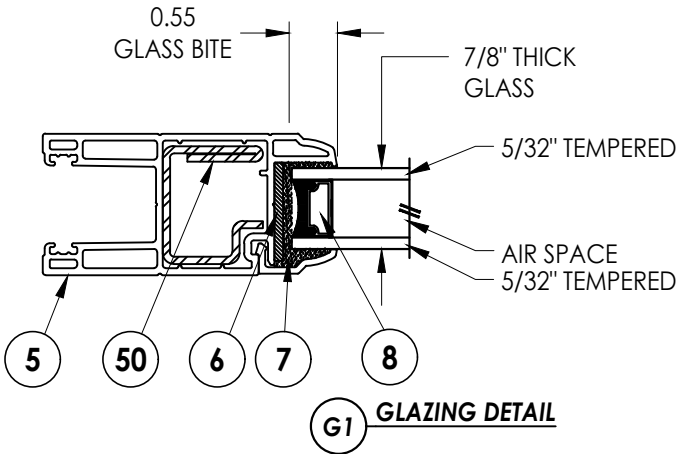
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SHEET 4 OF 5

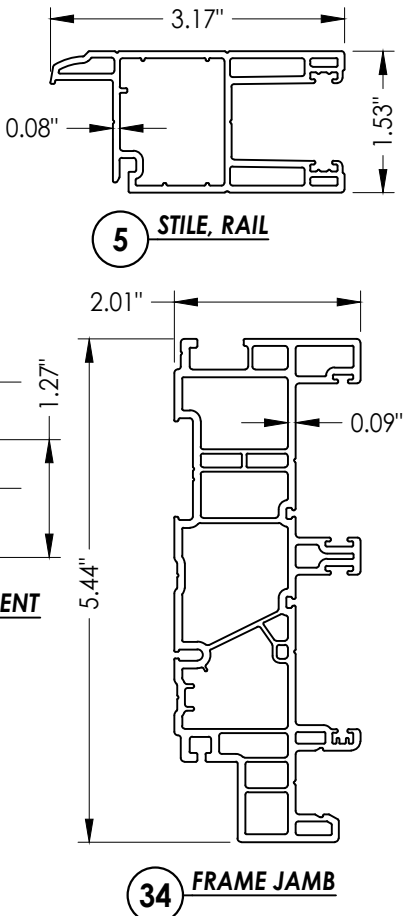
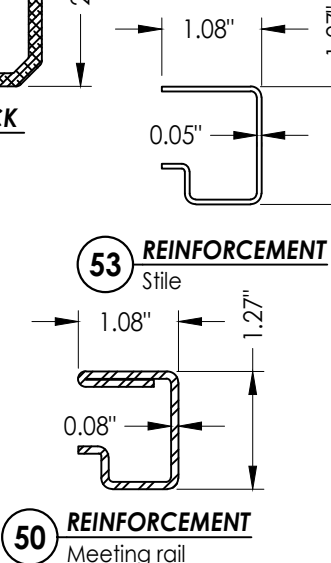
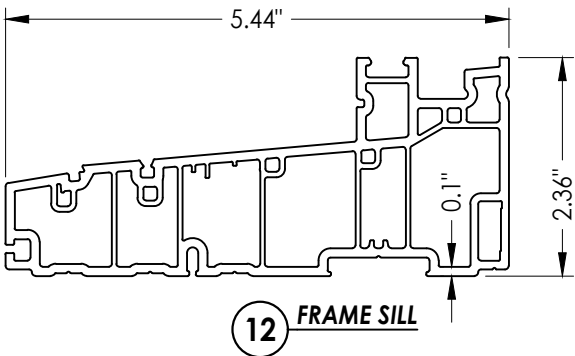
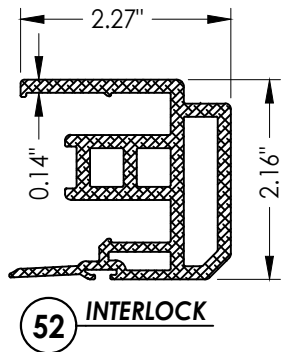
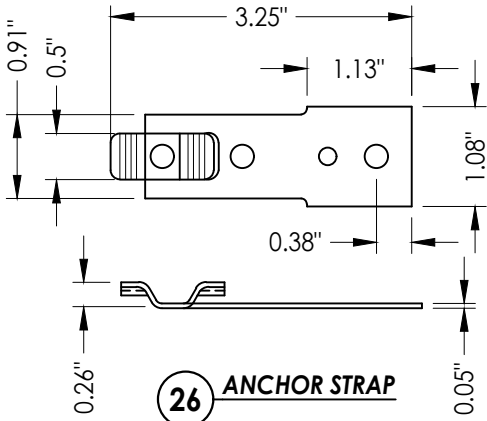
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 1-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
G	1/4" X 3-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
H	1/4" X 2-3/4" 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	FRAME HEAD*	PVC
2	#8 x 2-3/4" FH QUADREX WOOD SCREW	STEEL
3	WEATHERSTRIP (SCHLEGEL #HF-7522-270)	-
4	HEAD TRACK*	PVC
5	STILE & RAIL*	PVC
6	SETTING BLOCK	-
7	SILICONE (SIKA 552)	SILICONE
8	INTERCEPT SPACER	-
9	SHIM	-
10	TANDEM WHEEL	STEEL
11	ROLLING RAIL	STEEL
12	SILL*	PVC
13	SILL DUST COVER*	PVC
14	SILL PLUG*	PVC
15	SILL WEATHERSEAL	-
17	LEFT CAP FOR SILL ADAPTER*	PVC
18	RIGHT CAP FOR SILL ADAPTER*	PVC
19	#8 X 5/8" PAN HEAD, SQUARE, SELF-DRILLING SCREW	STEEL
20	OUTSIDE SILL CLADDING	STEEL
22	INSECT STOP	-

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



23	SCREEN	-
24	#8 X 7/8" PAN HEAD, QUADREX, SCREW	STEEL
25	FIXED PANEL ANCHOR BLOCK*	PVC
26	ANCHOR STRAP	STEEL
27	SCREW CAP*	PVC
28	GLAZING BEAD*	PVC
29	FOAM PLUG	-
30	HEAD WEATHERSEAL	-
31	#8 X 1-1/4" PAN HEAD, QUADREX, SCREW	STEEL
32	SASH STOPPER	STEEL
33	WEATHERSTRIP	-
34	FRAME JAMB*	PVC
35	WEATHERSTRIP	-
39	HANDLE KIT	STEEL
40	OPERATING PANEL SIDE STILE*	PVC
42	KEEPER FOR SCREEN	-
43	#4 X 5/8" PAN HEAD QUADREX SCREW	STEEL
45	#10 X 1-3/4" PPH SCREW	STEEL
46	STAINLESS STEEL DOUBLE POINT MORTISE LOCK KIT	STEEL
47	SASH COVERING CAP*	PVC
48	LOCK PLUG*	PVC
50	STILE REINFORCEMENT	STEEL
51	#8 X 2" TRUSS HEAD QUADREX SCREW	STEEL
52	INTERLOCK	STEEL
53	STILE REINFORCEMENT	STEEL
54	Q-LAN WEATHERSTRIP (SCHLEGEL NO. QEZ 345)	-
55	WATER BAR	STEEL
56	#8 X 1" PPH SMS	SS



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DRAWING NO.: FL-12323.20			
SHEET 5 OF 5			