



250 Staunton Turnpike, Parkersburg, WV 26104

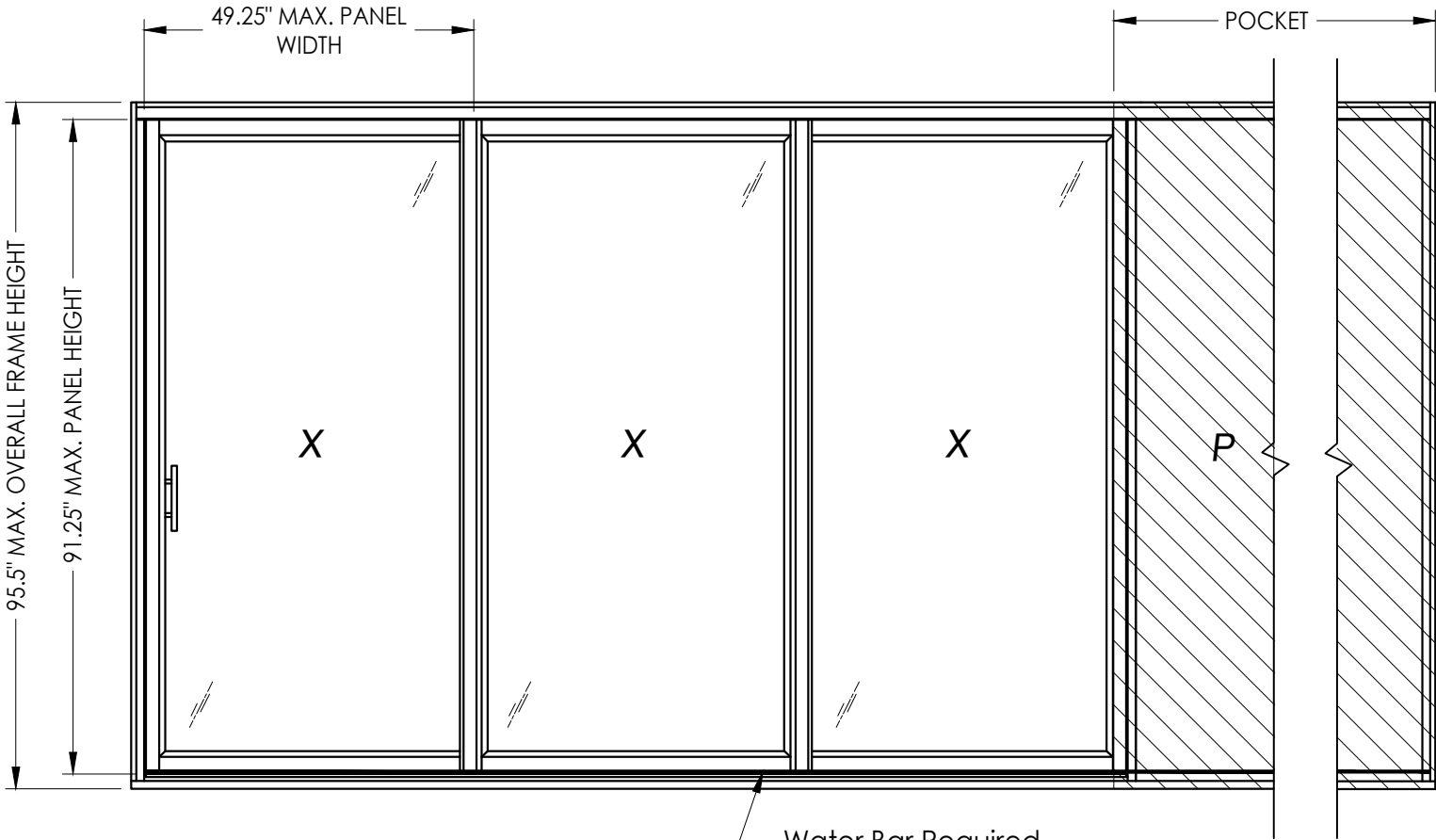
8400 Series

Vinyl Sliding Patio Pocket Door - XXXP

"NON-IMPACT"

GENERAL NOTES

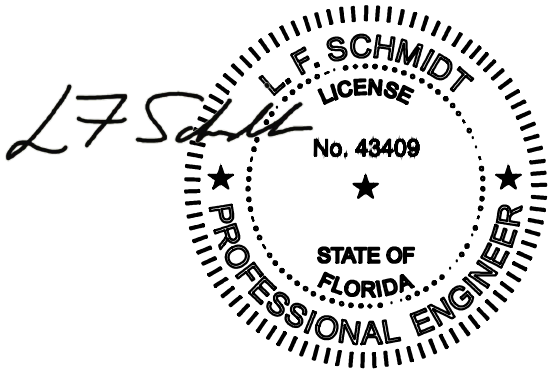
1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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.



Water Bar Required

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SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal cross sections
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5	Components
6	Bill of materials & glazing detail

MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
49.25" X 91.25"	42.375" X 85.0"	G1	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2026.07.27 14:25:46
-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

8400 SERIES VINYL SLIDING PATIO DOORS

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

DATE: 10/16/23

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-16216.19

SHEET 1 OF 6

Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

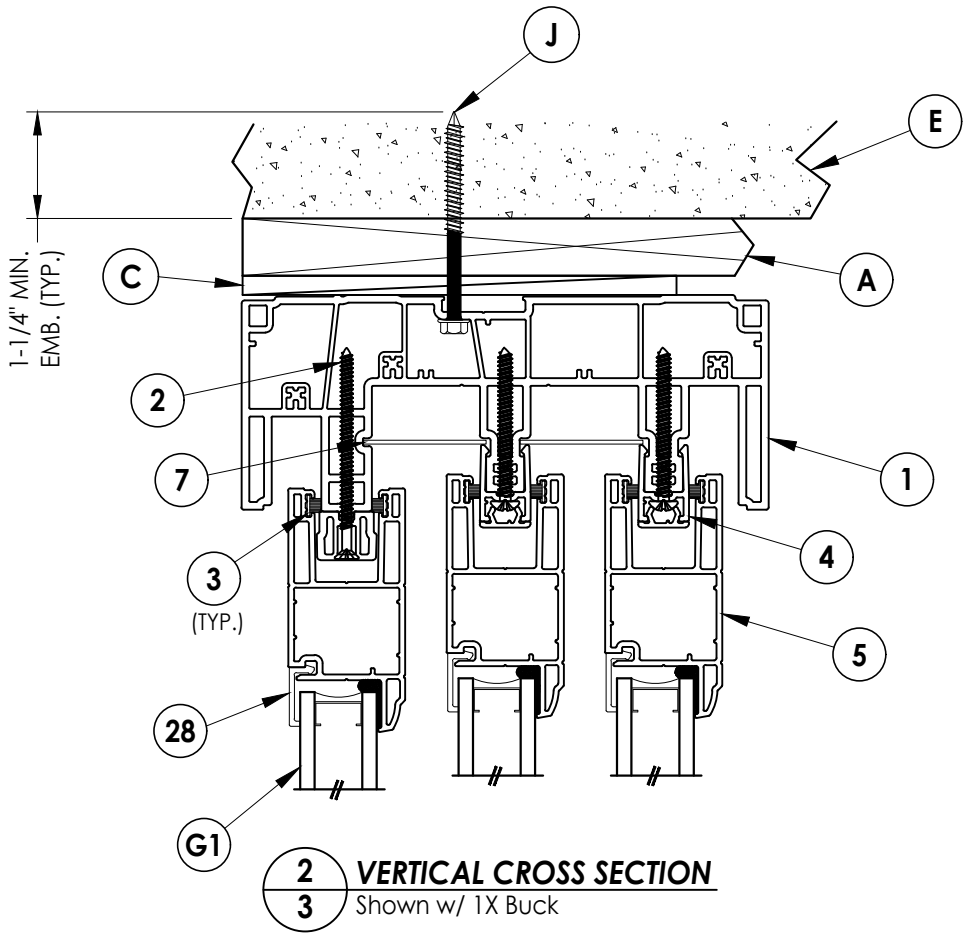
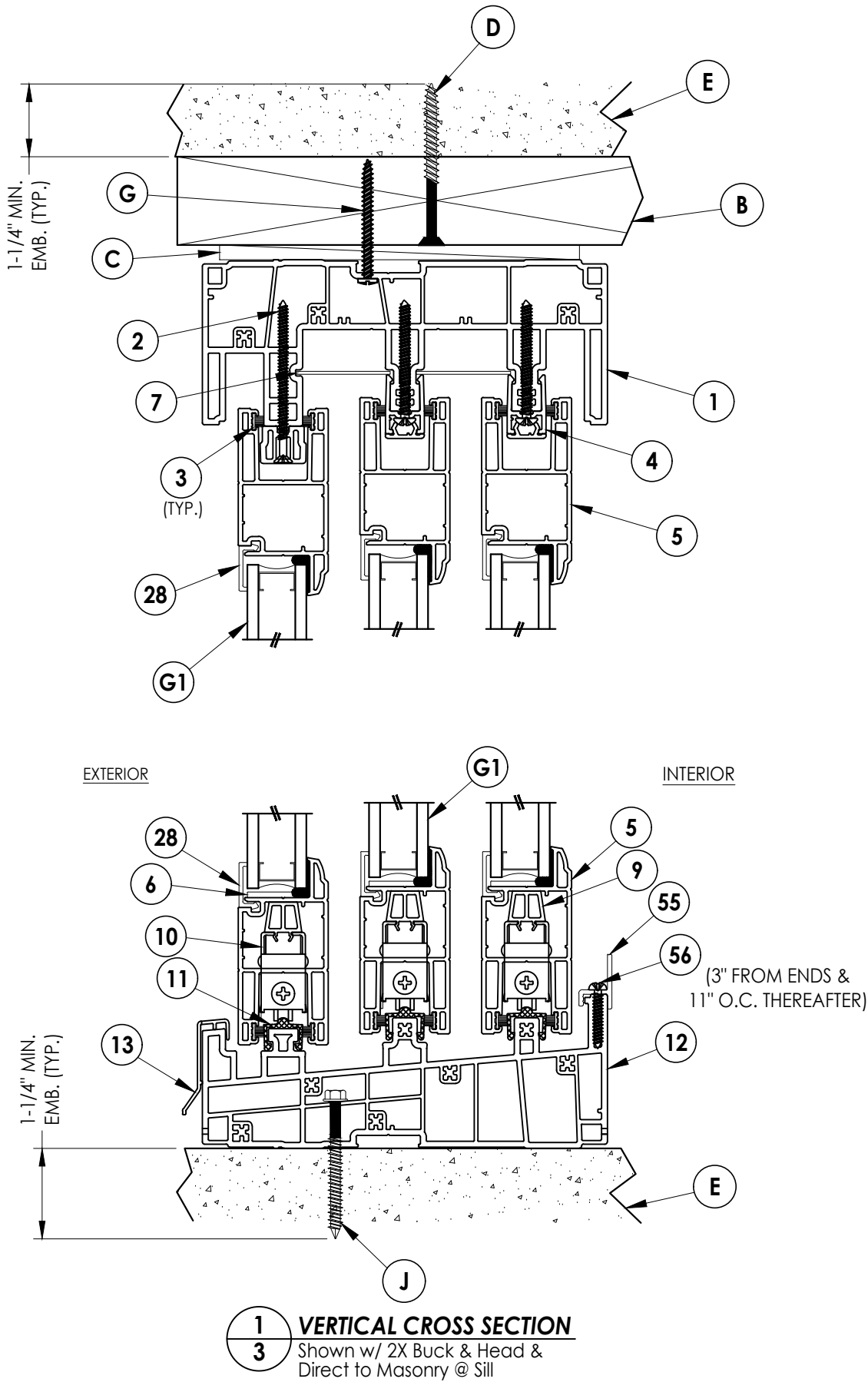
REVISIONS

1 7/01/26 UPDATE TO 9TH ED. (2026) FBC

NO. DATE BY

DATE: 10/16/23
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-16216.19
SHEET <u>2</u> OF <u>6</u>

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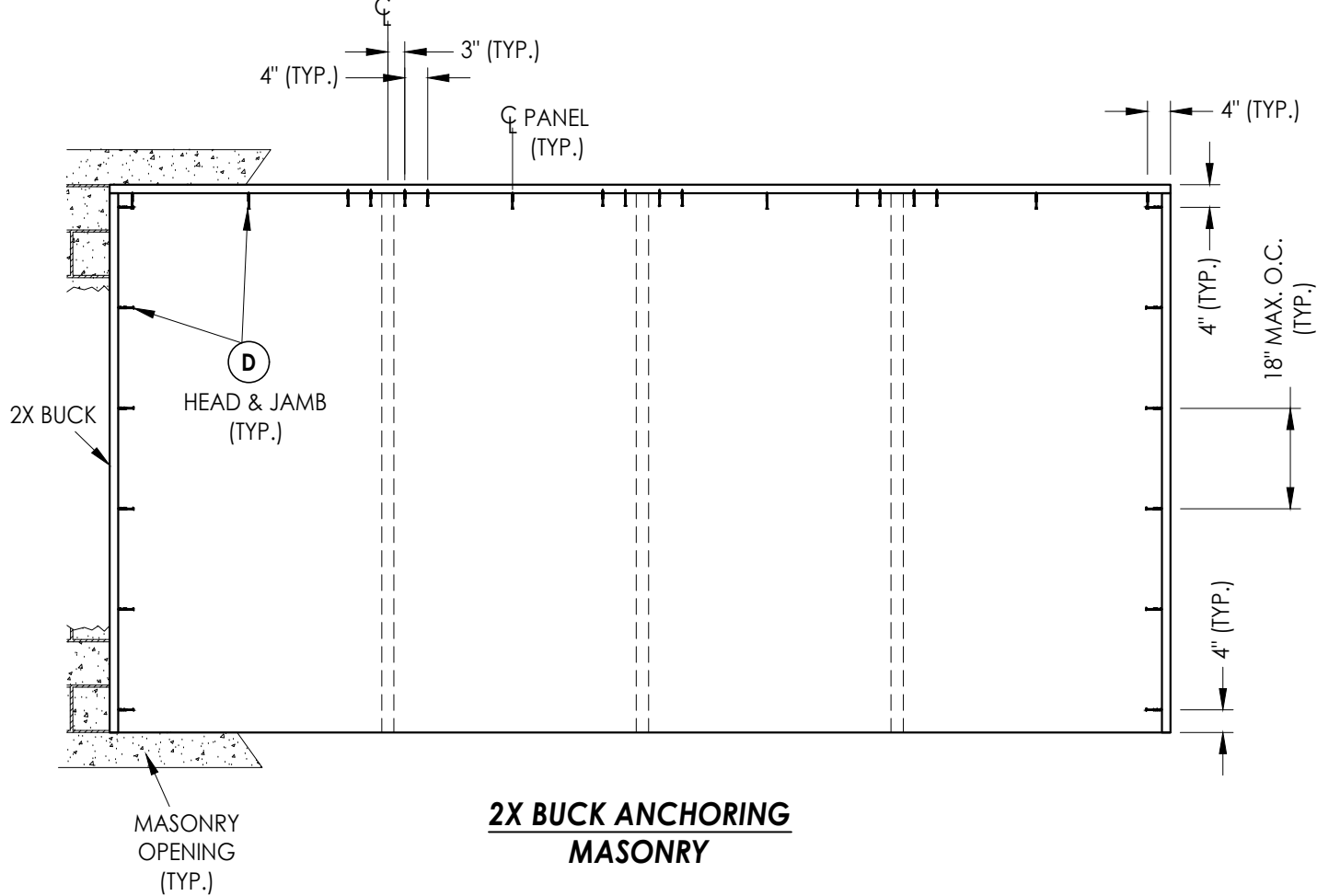
DATE: 10/16/23
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-16216.19
SHEET 3 OF 6

NO.	DATE	REVISIONS
1	7/01/26	UPDATE TO 9TH ED. (2026) FBC
LFS	BY	

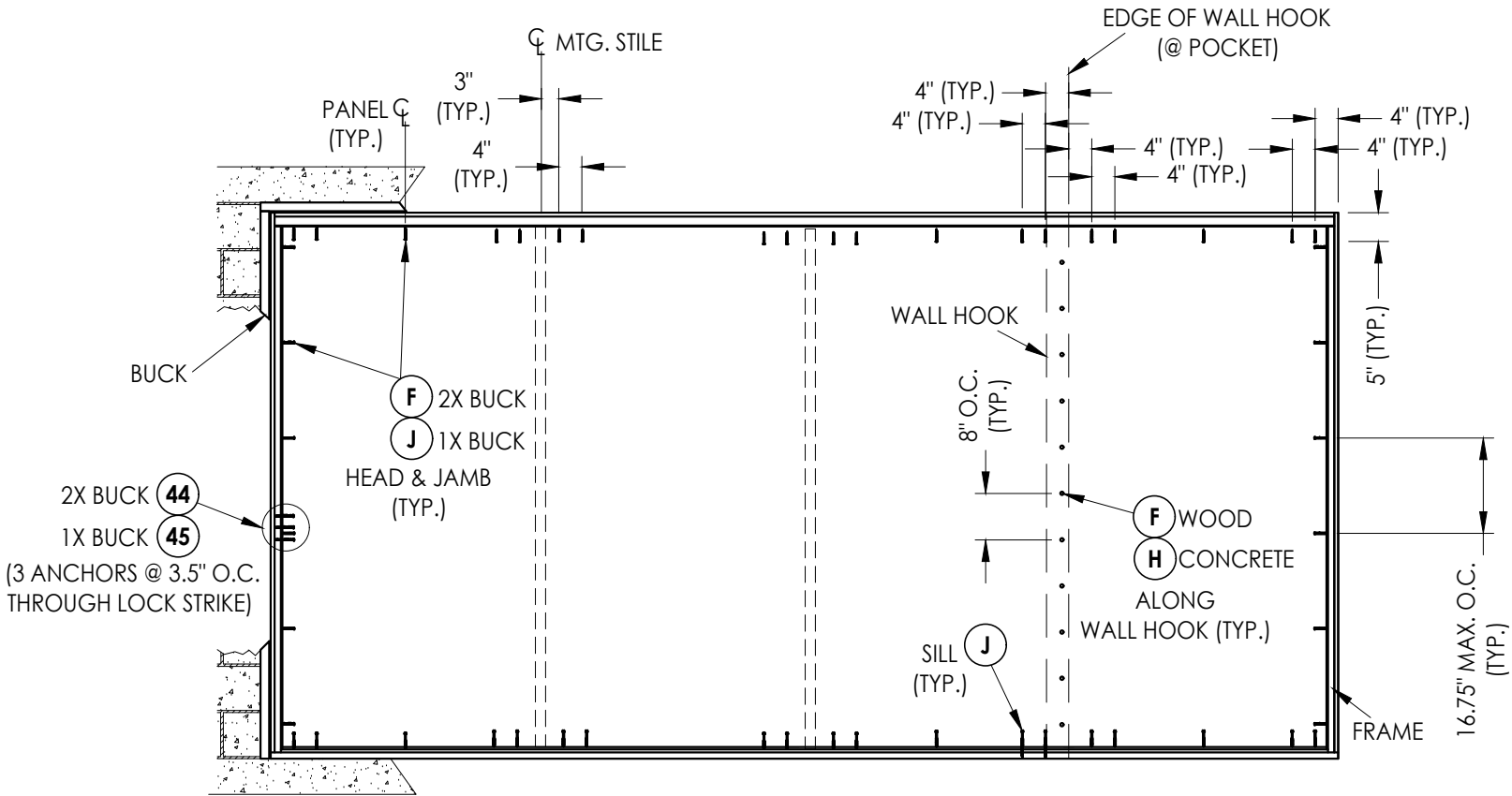
PRODUCT: 8400 SERIES VINYL SLIDING PATIO DOORS
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
BUILDING CONSULTANTS, INC.
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**2X BUCK ANCHORING
MASONRY**



**FRAME ANCHORING
2X/1X Buck**

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

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®	3/16"	1-1/4"	2-1/2"	1-1/8"
	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:
8400 SERIES VINYL
SLIDING PATIO DOORS

PART OR ASSEMBLY:
BUCK & FRAME
ANCHORING

NO.	DATE	REVISIONS
1	7/01/26	UPDATE TO 9TH ED. (2026) FBC
		LFS
		BY

DATE: 10/16/23

SCALE: N.T.S.

DWG. BY: LFS

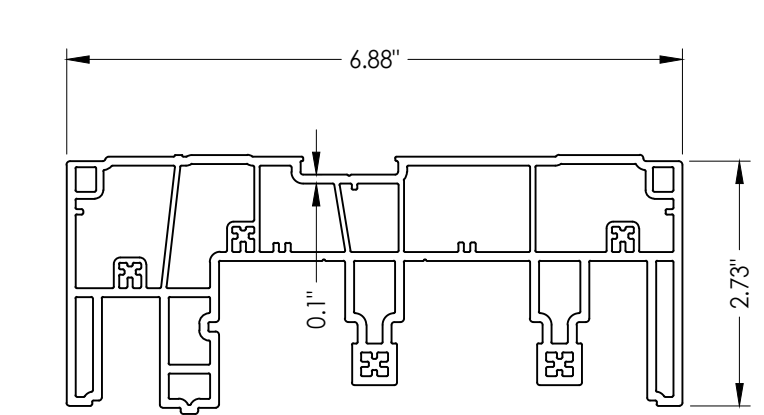
CHK. BY: RW

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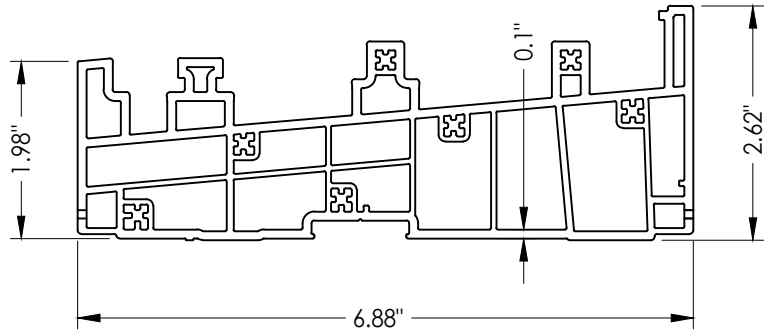
FL-16216.19

SHEET 4 OF 6

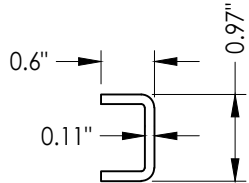
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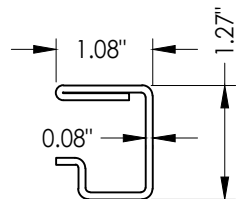
1 FRAME HEAD



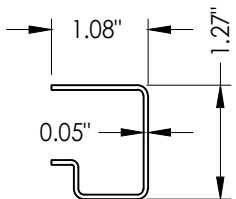
12 FRAME SILL



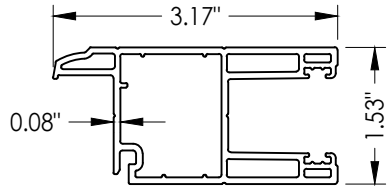
49 REINFORCEMENT Meeting rail



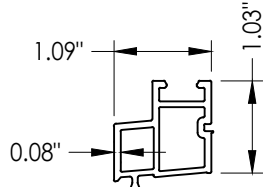
50 REINFORCEMENT Meeting rail



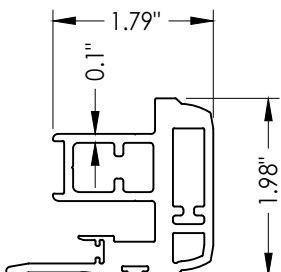
53 REINFORCEMENT Stile



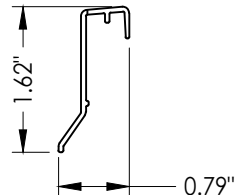
5 STILE & RAIL



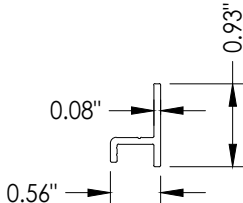
41 MOBILE PANEL SUPPORT



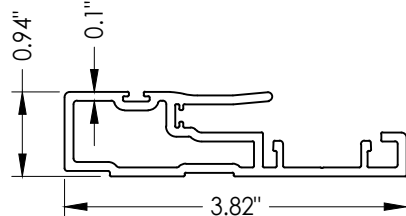
52 INTERLOCK



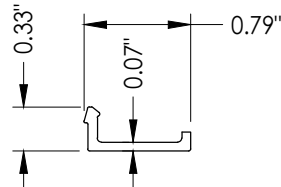
13 SILL CLADDING



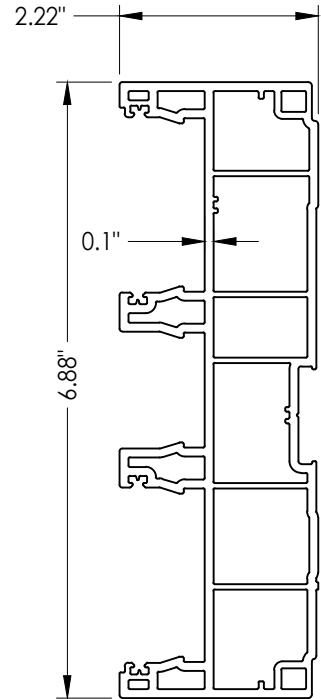
55 WATER BAR



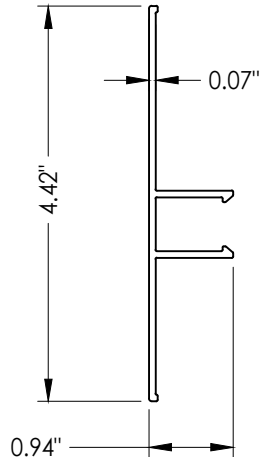
61 WALL HOOK



28 GLAZING BEAD



34 FRAME JAMB



8 JAMB COVER

DATE: 10/16/23

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DRAWING NO.: FL-16216.19

SHEET 5 OF 6

PRODUCT:
8400 SERIES VINYL
SLIDING PATIO DOORS

PART OR ASSEMBLY:
COMPONENTS

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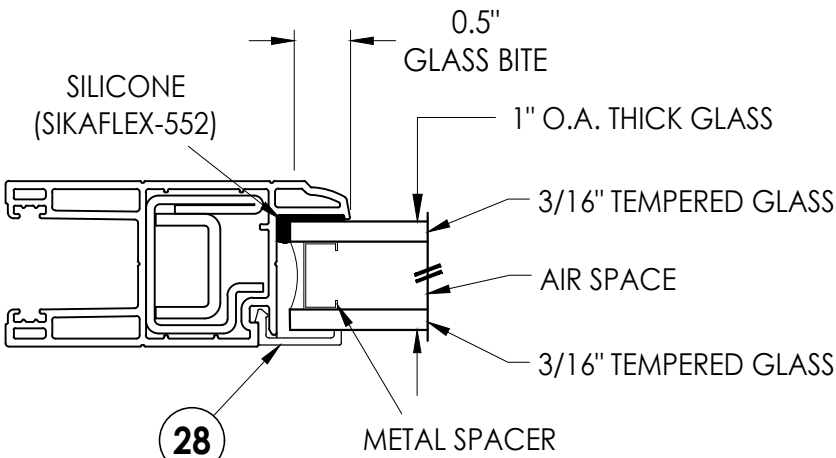
NO.	DATE	DESCRIPTION	BY
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REVISIONS

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK/2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" FH 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	#10 X 1-1/2" PH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
G	#10 X 2" PPH SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
H	1/4" X 1-3/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 2-3/4" HWH DeWALT OR ITW CONCRETE SCREW	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	HEAD COVER*	PVC
8	JAMB COVER*	PVC
9	SHIM	-
10	TANDEM WHEEL	NYLON
11	ROLLING RAIL	ALUM
12	SILL*	PVC
13	OUTSIDE SILL CLADDING	ALUM
19	#8 X 5/8" PAN HEAD, SQUARE, SELF-DRILLING SCREW	STEEL
20	OUTSIDE SILL CLADDING	ALUM
28	GLAZING BEAD*	PVC
34	FRAME JAMB*	PVC
39	HANDLE KIT	ZINC
44	#8 X 3" PH SMS	STEEL
45	3/16" X 3-1/4" FH DeWALT CONCRETE SCREW	STEEL
46	STAINLESS STEEL DOUBLE POINT MORTISE LOCK KIT	STEEL
47	SASH COVERING CAP*	PVC
49	STILE REINFORCEMENT	STEEL
50	STILE REINFORCEMENT	STEEL
51	#8 X 2" TRUSS HEAD QUADREX SCREW	STEEL
52	INTERLOCK	ALUM
53	STILE REINFORCEMENT	STEEL
55	WATER BAR	ALUM
56	#8 X 1" PPH SMS	SS
60	SASH PUSHER	ALUM
61	WALL HOOK	ALUM

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



G1 GLAZING DETAIL

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			
PRODUCT: 8400 SERIES VINYL SLIDING PATIO DOORS				PART OR ASSEMBLY: BILL OF MATERIALS & GLAZING DETAIL			