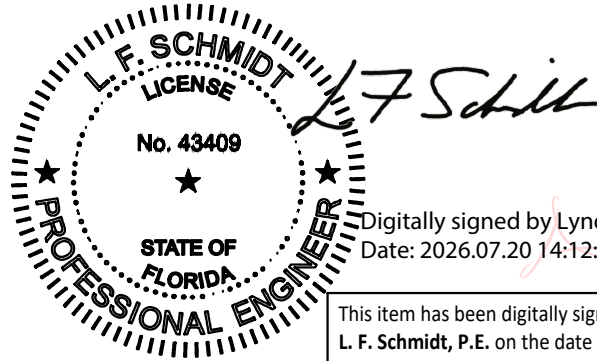
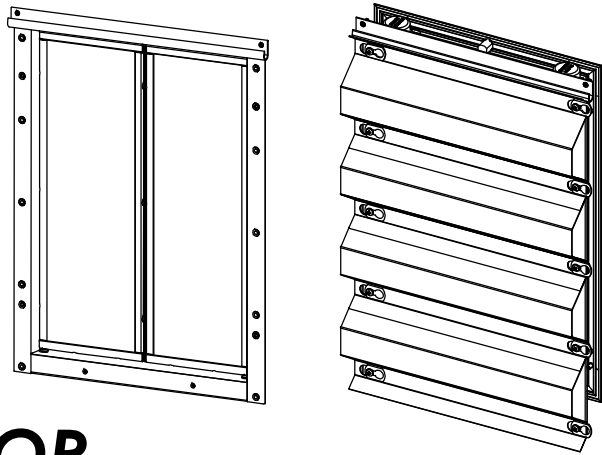




Digitally signed by Lyndon F Schmidt
Date: 2026.07.20 14:12:06 -04'00'

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
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must be verified on any electronic copies.

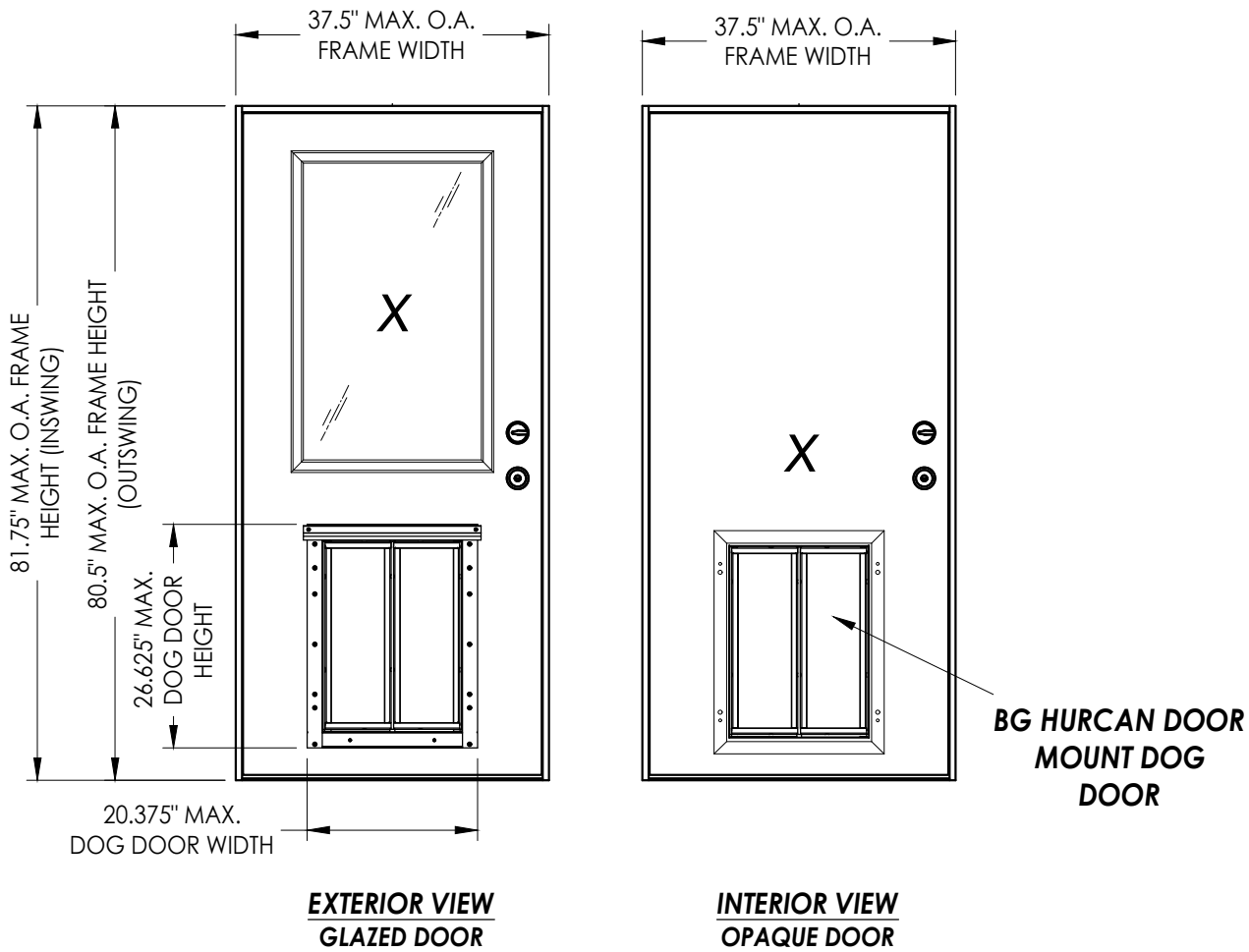
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

BG HURCAN DOOR MOUNT DOG DOOR
in a
FIBERGLASS ENTRY DOOR
INSWING / OUTSWING
"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 complies with FBC Sections 1609.1.2 & R301.2.1.2 with the corrugated panels properly secured to the product exterior as indicated. This product meets missile level "D" and includes Wind Zone 3 as defined in ASTM E 1996.
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 Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Lite Frame Details
4	BG Hurcan Dog Door Details
5	Horizontal & Vertical Cross Sections (2X Buck)
5	Horizontal & Vertical Cross Sections (1X Buck)
7	Horizontal & Vertical Cross Sections (Direct to Masonry)
8	Vertical Cross Sections (Thresholds)
9	Buck & Frame Anchoring
10	Bill of Materials & Components



MAX. DOOR FRAME DIMENSION	MAX. BG HURCAN DOG DOOR ASSEMBLY SIZE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
37.5" x 81.75"	20.375" x 26.625"	+50.0	-50.0	+50.0	-50.0

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PDUSA, INC.
BG HURCAN DOOR MOUNT

Part or Assembly:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS

DATE: 12/05/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

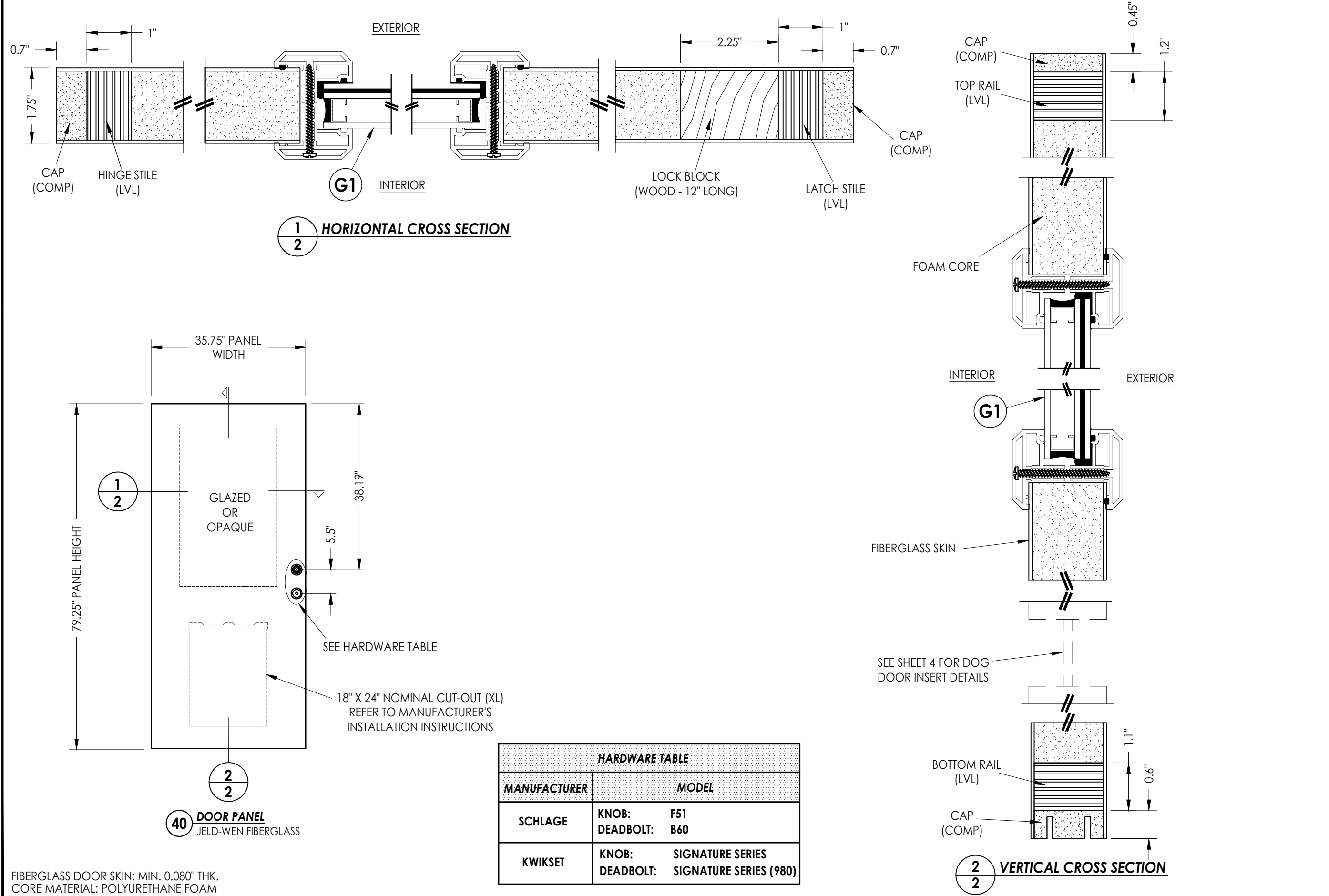
DRAWING NO.: FL-41814.6

SHEET 1 OF 10

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

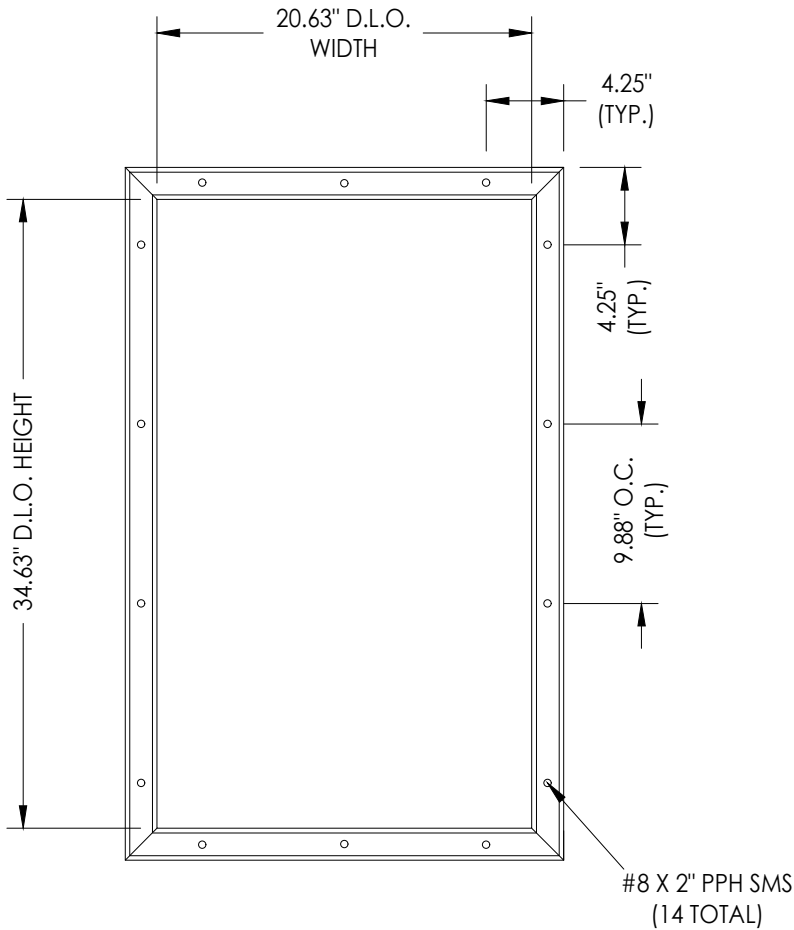
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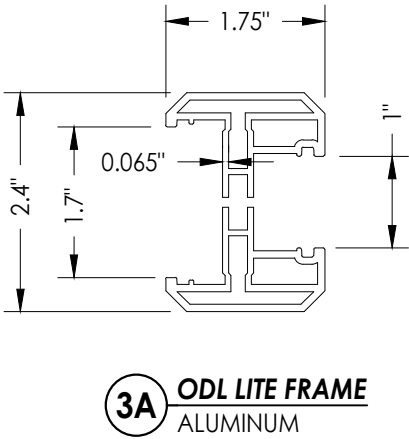
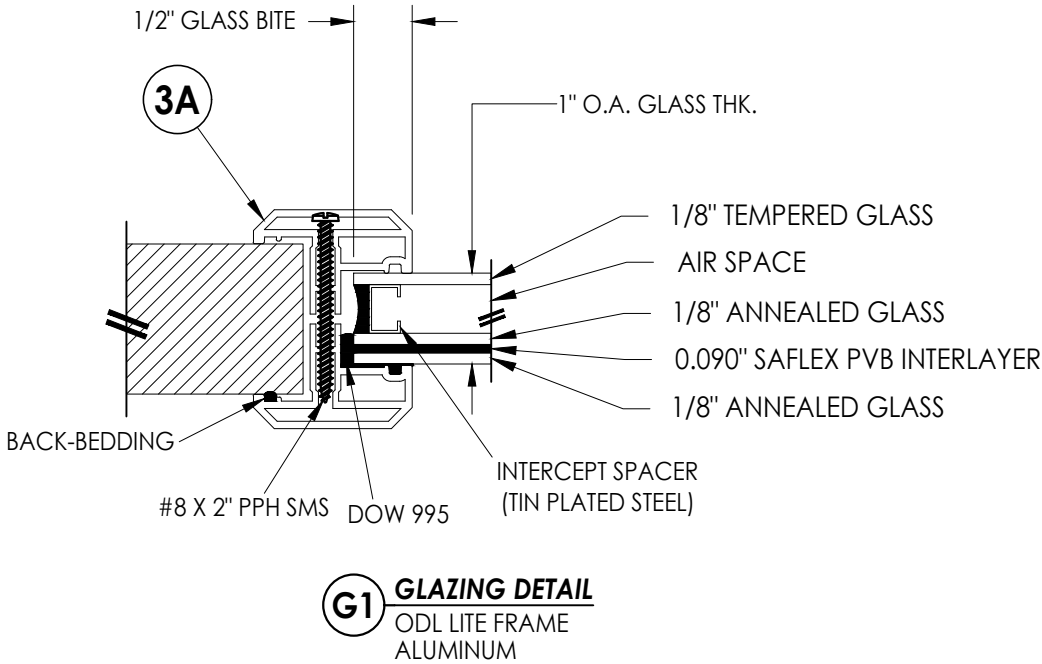


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813				
PRODUCT: PDUSA, INC. BG HURCAN DOOR MOUNT				PART OR ASSEMBLY: DOOR PANEL DETAILS				
				2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
				1	10/4/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
				NO.	DATE			BY
				REVISIONS				
DATE: 12/05/22								
SCALE: N.T.S.								
DWG. BY: RW								
CHK. BY: LFS								
DRAWING NO.: FL-41814.6								
SHEET 2 OF 10								

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ODL LITE FRAME



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SCALE: N.T.S.
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CHK. BY: LFS
DRAWING NO.: FL-41814.6
SHEET 3 OF 10

PRODUCT:
PDUSA, INC.
BG HURCAN DOOR MOUNT

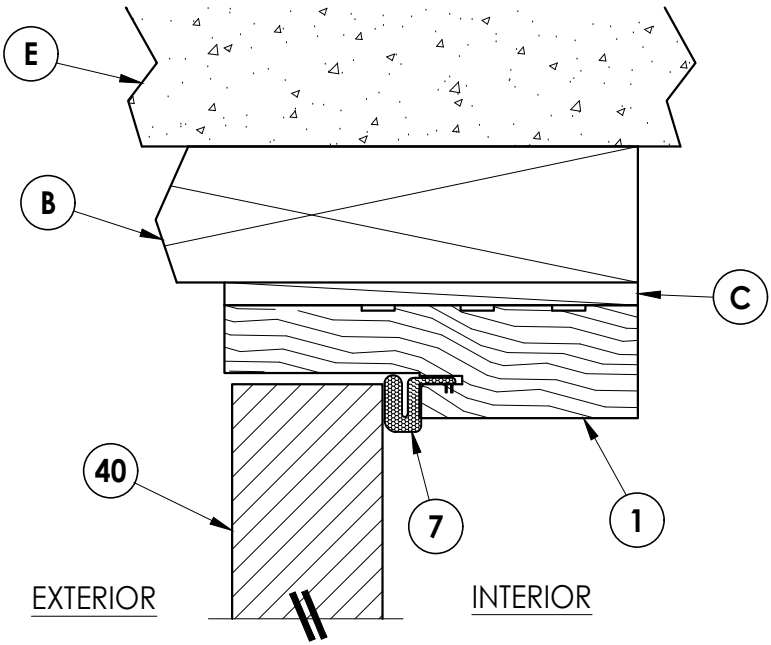
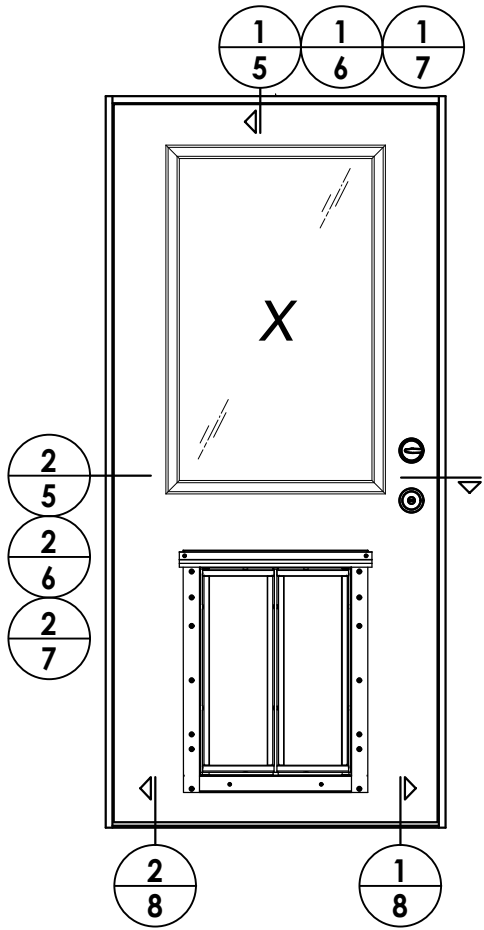
PART OR ASSEMBLY:
LITE FRAME DETAILS

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

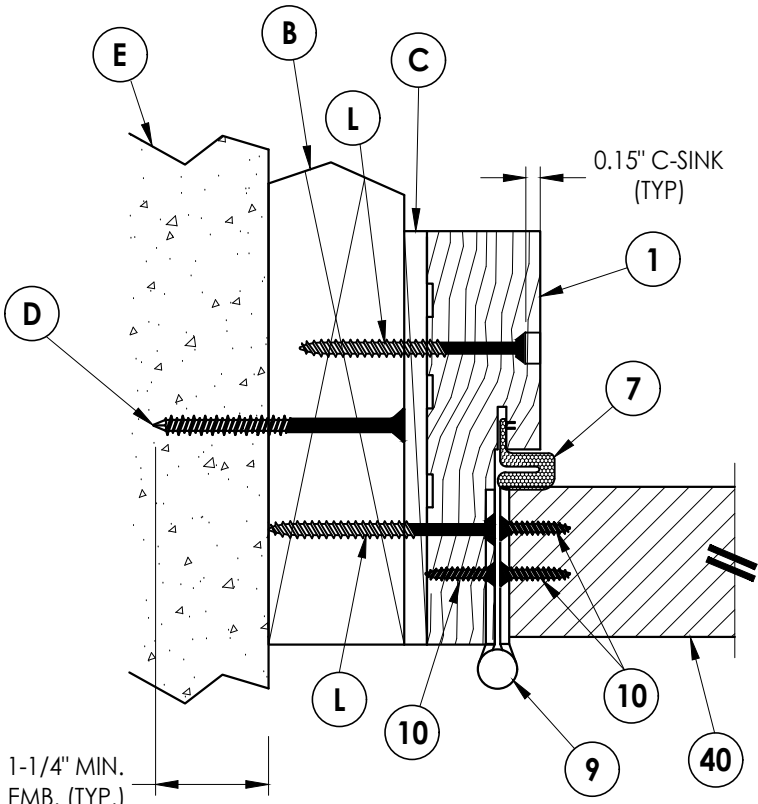
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

NO.	DATE	REVISIONS
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1	10/4/23	UPDATE TO 8TH ED. (2023) FBC LFS

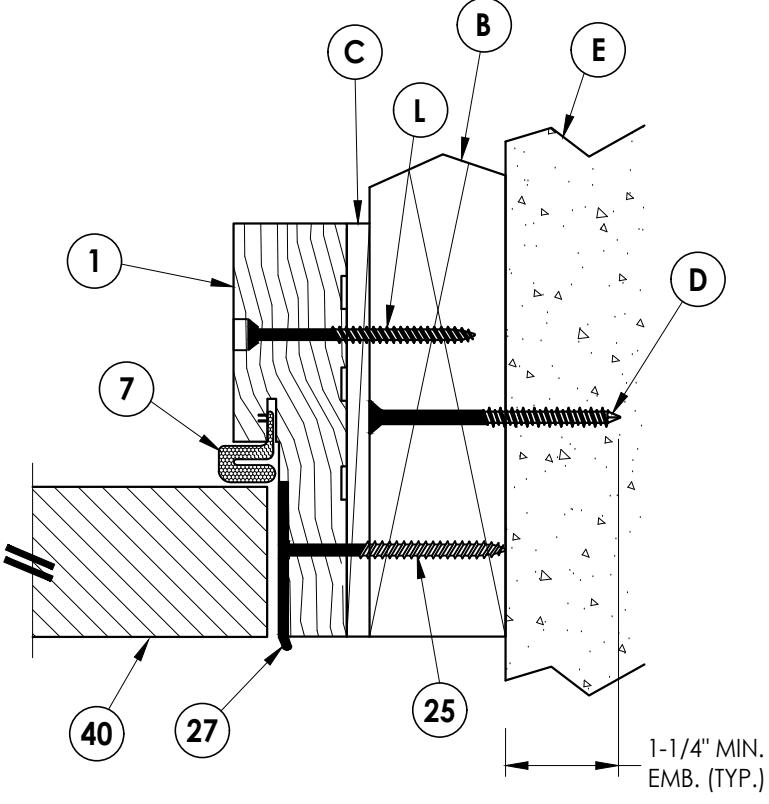
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1
5 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)

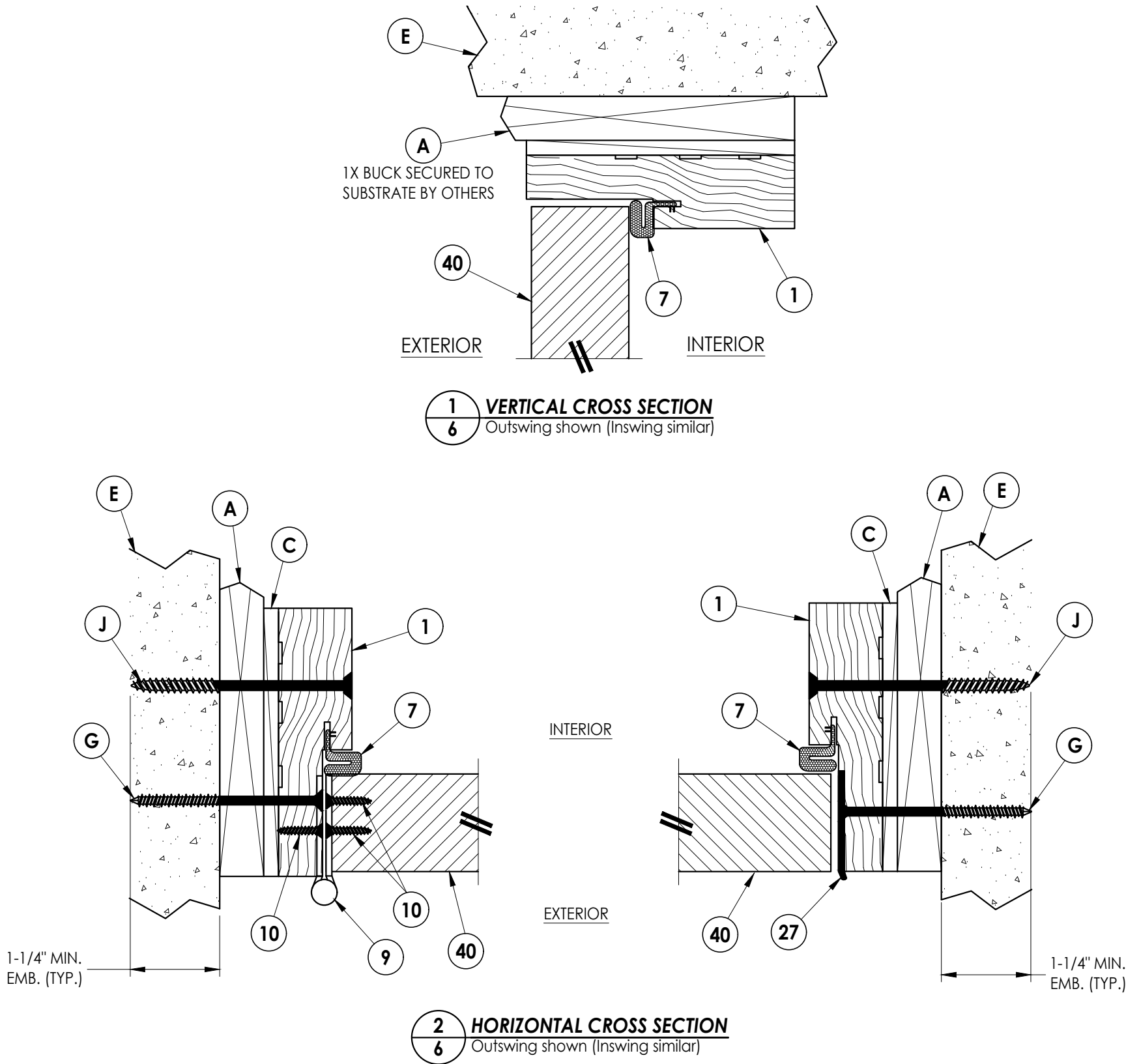


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5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

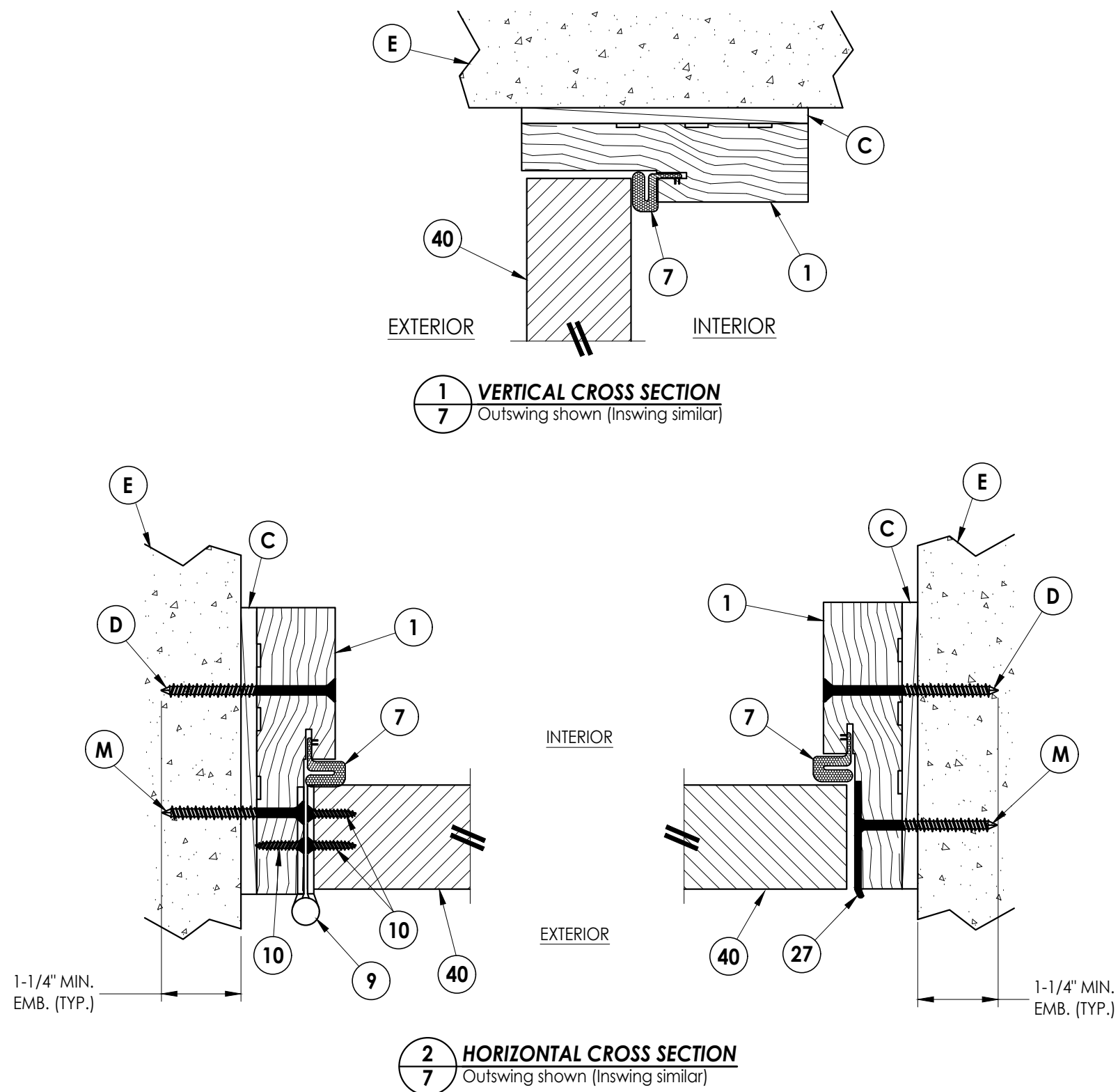


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PRODUCT: PDUSA, INC. BG HURCAN DOOR MOUNT		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)					
				LFS	FBC	DATE	REVISIONS
				2	7/01/26	UPDATE TO 9TH ED. (2026)	
				1	10/4/23	UPDATE TO 8TH ED. (2023)	
				NO.	DATE		
DATE: 12/05/22							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-41814.6							
SHEET 5 OF 10							

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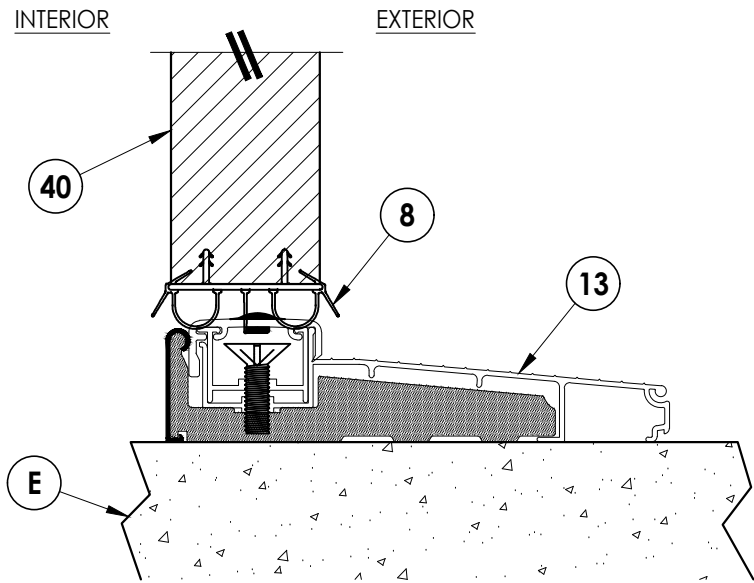


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SCALE: N.T.S.		DRAWING NO.: FL-41814.6	
DWG. BY: RW		CHK. BY: LFS	
2 7/01/26 UPDATE TO 9TH ED. (2026) FBC		1 10/4/23 UPDATE TO 8TH ED. (2023) FBC	
NO. DATE		BY	
REVISIONS			
PRODUCT: PDUSA, INC. BG HURCAN DOOR MOUNT		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
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	

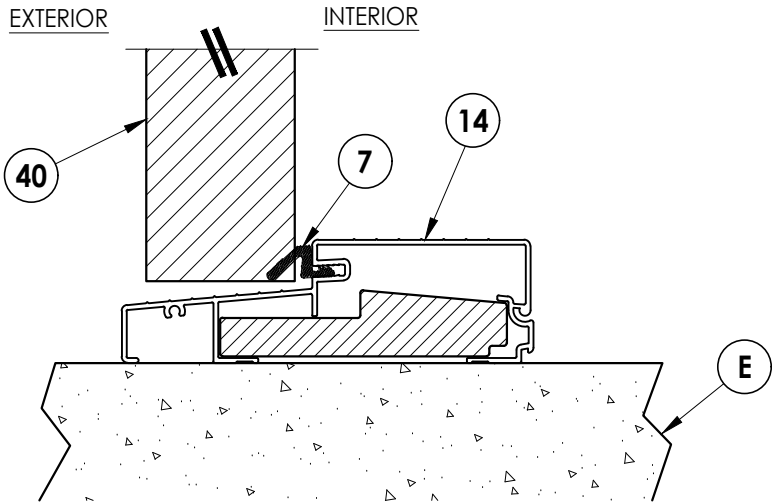


DATE: 12/05/22		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		PDUSA, INC.		Lyndon F. Schmidt	
DWG. BY: RW		BG HURCAN DOOR MOUNT		P.E. No. 43409	
CHK. BY: LFS		PART OR ASSEMBLY:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DRAWING NO.: FL-41814.6		HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)			
SHEET 7 OF 10					
NO. DATE		LFS			
1 10/4/23		UPDATE TO 9TH ED. (2026) FBC			
2 7/01/26		UPDATE TO 8TH ED. (2023) FBC			
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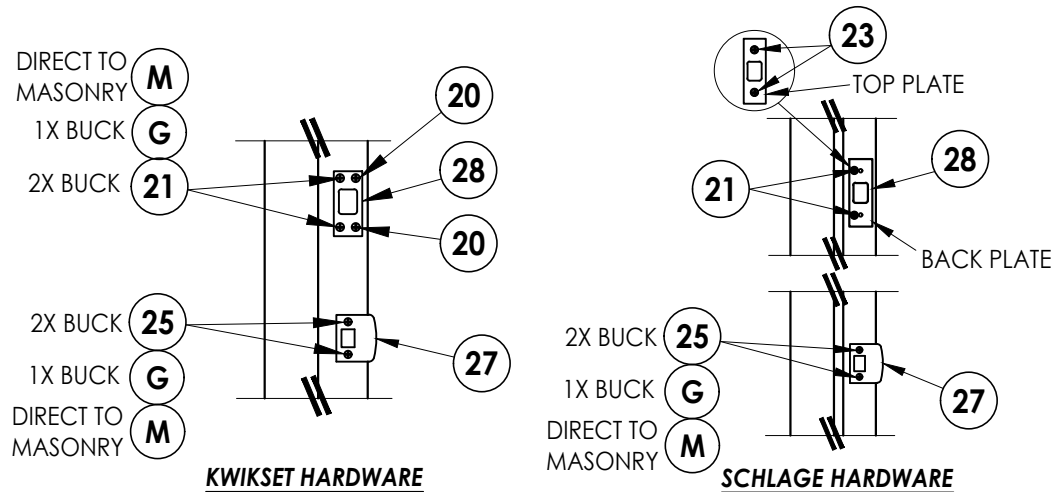
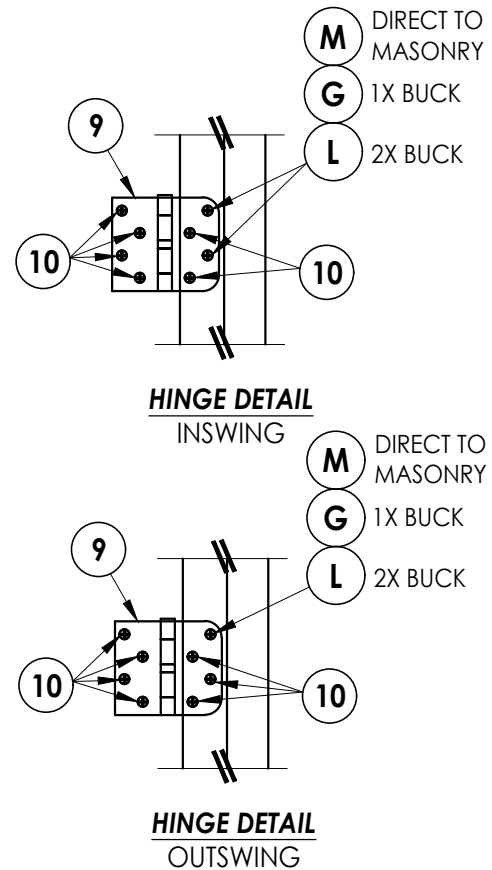
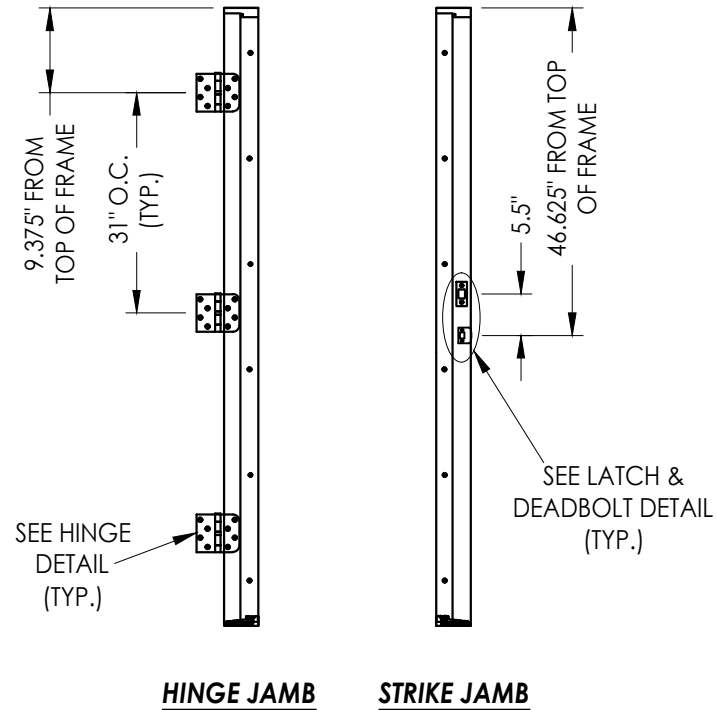
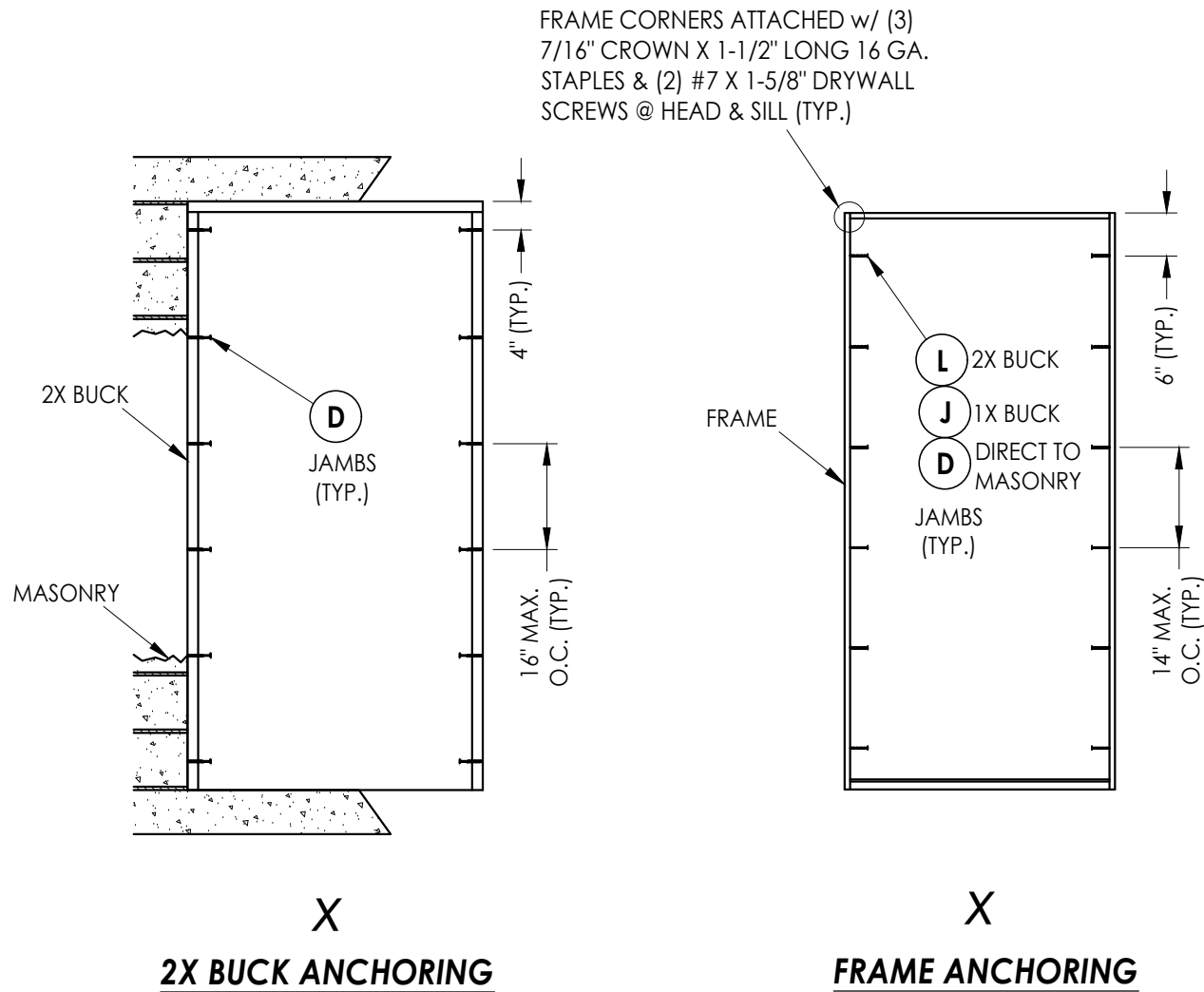
1
8 **VERTICAL CROSS SECTION**
Inswing Threshold



2
8 **VERTICAL CROSS SECTION**
Outswing Threshold

DATE: 12/05/22				DOCUMENTS PREPARED BY: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.				RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: RW					
CHK. BY: LFS					
DRAWING NO.: FL-41814.6					
SHEET 8 OF 10				PRODUCT: PDUSA, INC. BC HURCAN DOOR MOUNT	
				PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)	
				REVISIONS	
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
1	10/4/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
NO.	DATE			BY	

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LATCH & DEADBOLT STRIKE PLATE DETAILS

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"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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

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

PRODUCT: PDUSA, INC.
BG HURCAN DOOR MOUNT

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC
1	10/4/23	UPDATE TO 8TH ED. (2023) FBC

DATE: 12/05/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

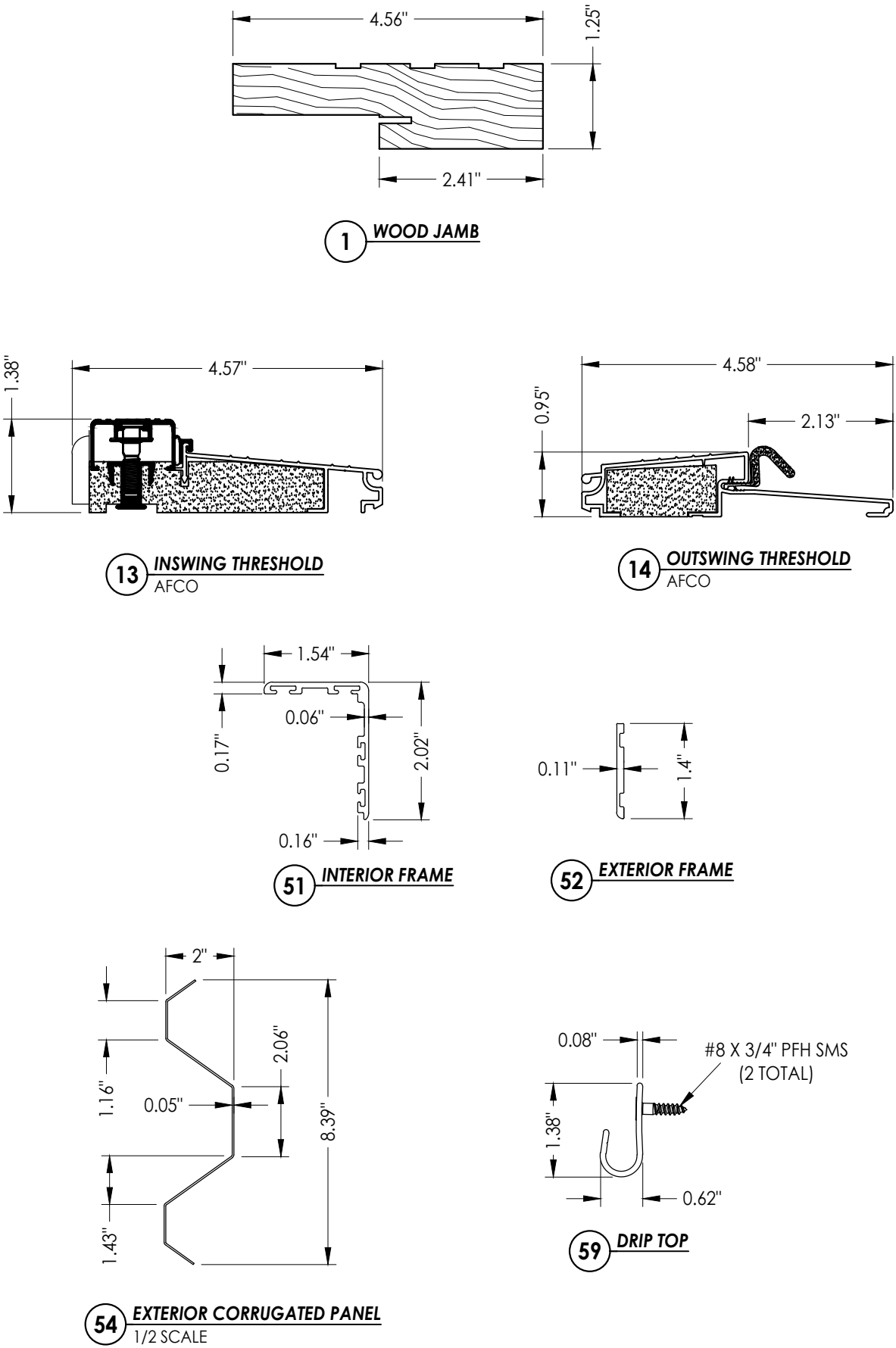
DRAWING NO.:

FL-41814.6

SHEET 9 OF 10

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (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
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
1	FINGER JOINT PINE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#9 X 3/4" PFH WOOD SCREW	STEEL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
20	#9 X 1/2" PFH WOOD SCREW	STEEL
21	#12 X 2-1/2" PFH WOOD SCREW	STEEL
23	#8 X 3/4" PFH SMS	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
40	DOOR PANEL	-
51	INTERIOR FRAME (BG HURCAN DOOR MOUNT SERIES)	ALUM
52	EXTERIOR FRAME (BG HURCAN DOOR MOUNT SERIES)	ALUM
53	INTERIOR SECURITY PANEL (0.045" STEEL)	STEEL
54	EXTERIOR CORRUGATED PANELS (EASTERN METAL)	ALUM
55	KEYHOLE WASHERS (EASTERN METAL)	ALUM
56	1/4-20 X 2" PH MACHINE SCREW w/ RIVET NUT	S.S.
57	1/4-20 X 5/8" PH MACHINE SCREW w/ RIVET NUT	S.S.
58	#10-32 X 1/2" PH MACHINE SCREW w/ RIVET NUT	STEEL
59	DRIP TOP w/ (2) #6 X 3/4" PFH SMS	ALUM
60	#6 X 3/4" PFH SMS	S.S.
62	WEATHERSTRIP	-
63	DOG DOOR PIVOT	-
64	SPRING CAPS	-



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: PDUSA, INC. BG HURCAN DOOR MOUNT		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
		LFS	BY
		FBC	
		FBC	
		NO.	DATE
		2	7/01/26
		1	10/4/23
DATE: 12/05/22		REVISIONS	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-41814.6			
SHEET 10 OF 10			