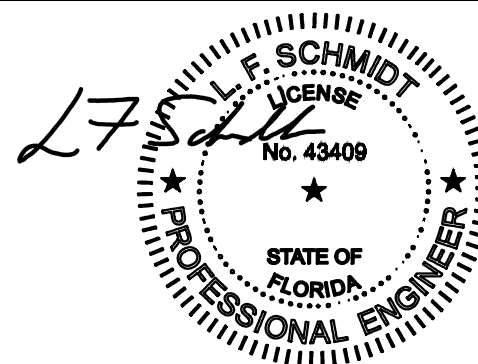




This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.

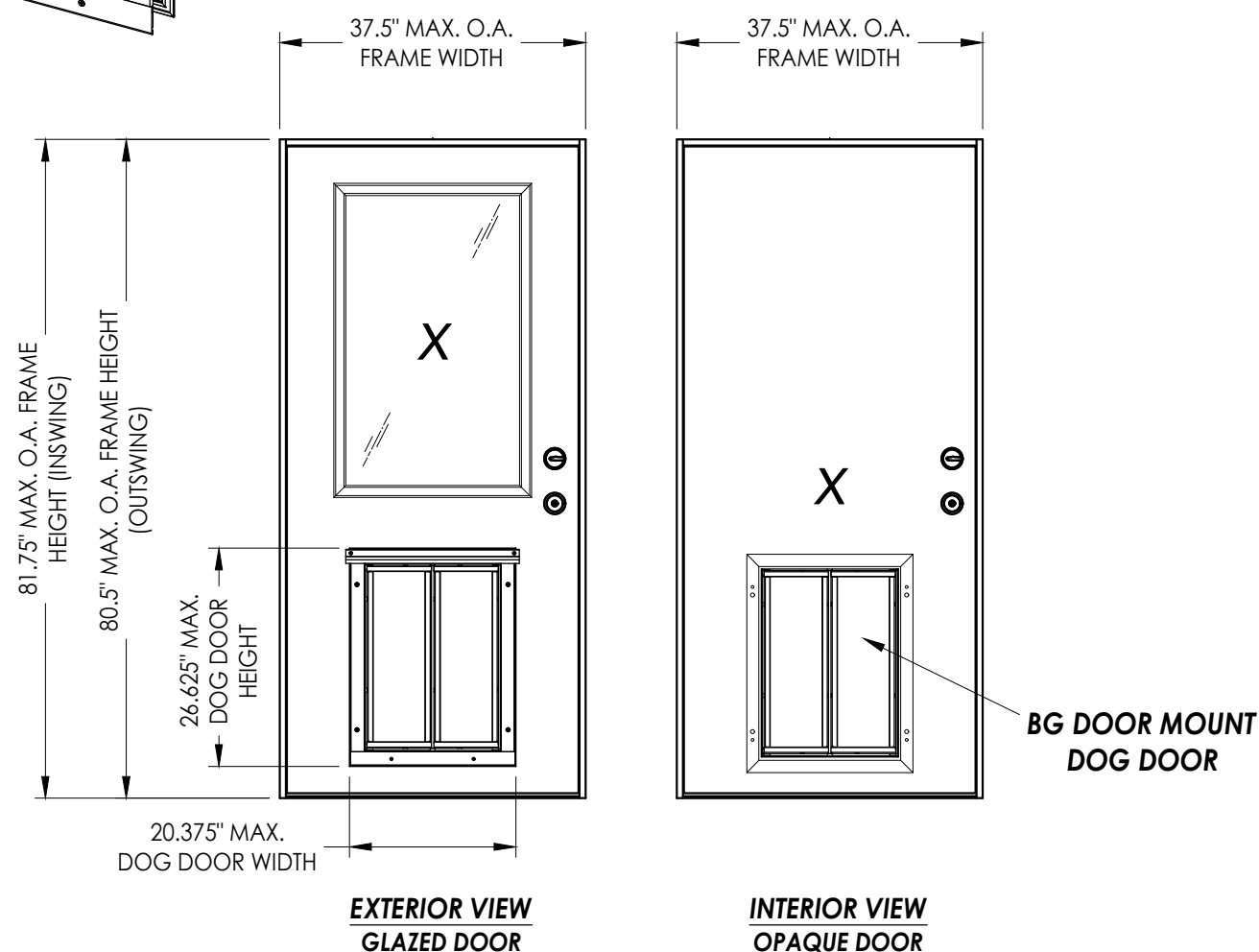
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

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

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.

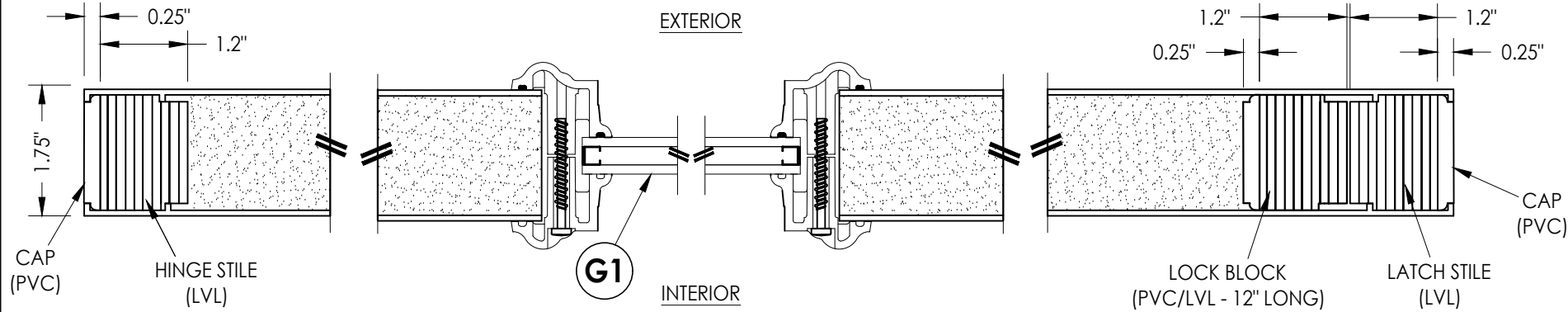
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Lite Frame Details
4	BG Dog Door Details
5	Horizontal & Vertical Cross Sections (2X Buck)
5	Horizontal & Vertical Cross Sections (1X Buck)
7	Horizontal & Vertical Cross Sections (Direct to Masonry)
8	Vertical Cross Sections (Thresholds)
9	Buck & Frame Anchoring
10	Bill of Materials & Components



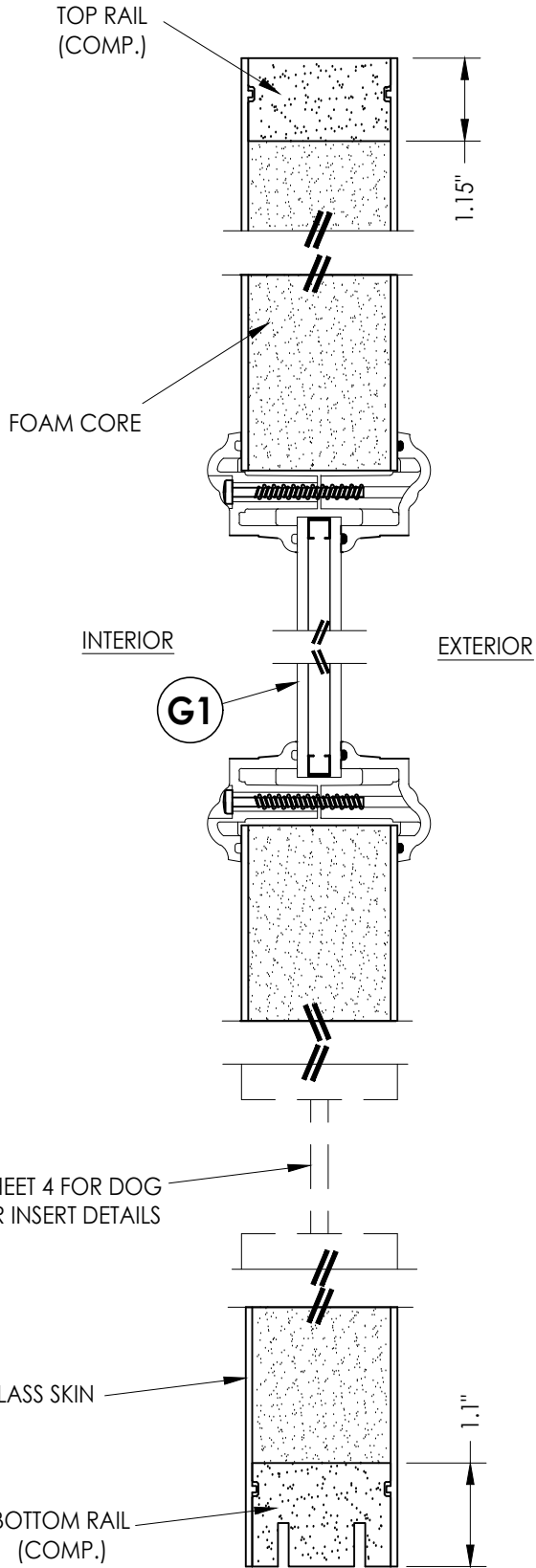
MAX. DOOR FRAME DIMENSION	MAX. BG DOG DOOR ASSEMBLY SIZE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
37.5" x 81.75"	20.375" x 26.625"	+50.0	-50.0	+50.0	-50.0

DATE: 12/05/22		PRODUCT: PDUSA, INC. BC DOOR MOUNT		PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-41814.5							
SHEET 1 OF 10							

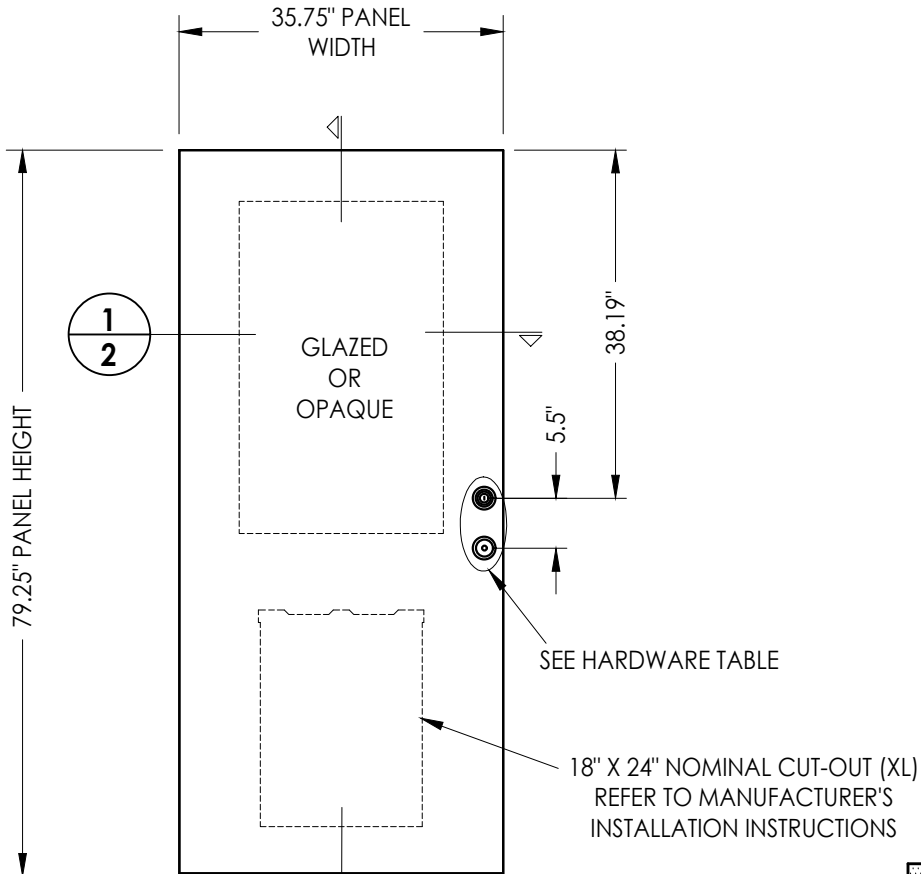
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1
2 HORIZONTAL CROSS SECTION



2
2 VERTICAL CROSS SECTION



2
2 DOOR PANEL
JELD-WEN FIBERGLASS

FIBERGLASS DOOR SKIN: MIN. 0.070" THK.
CORE MATERIAL: POLYURETHANE FOAM

HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	Knob:	F51
	Deadbolt:	B60
KWIKSET	Knob:	SIGNATURE SERIES
	Deadbolt:	SIGNATURE SERIES (980)

Documents Prepared By:
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P.E. No. 43409

PRODUCT:
PDUSA, INC.
BG DOOR MOUNT

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

PART OR ASSEMBLY:
DOOR PANEL DETAILS

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

DATE: 12/05/22

SCALE: N.T.S.

DWG. BY: RW

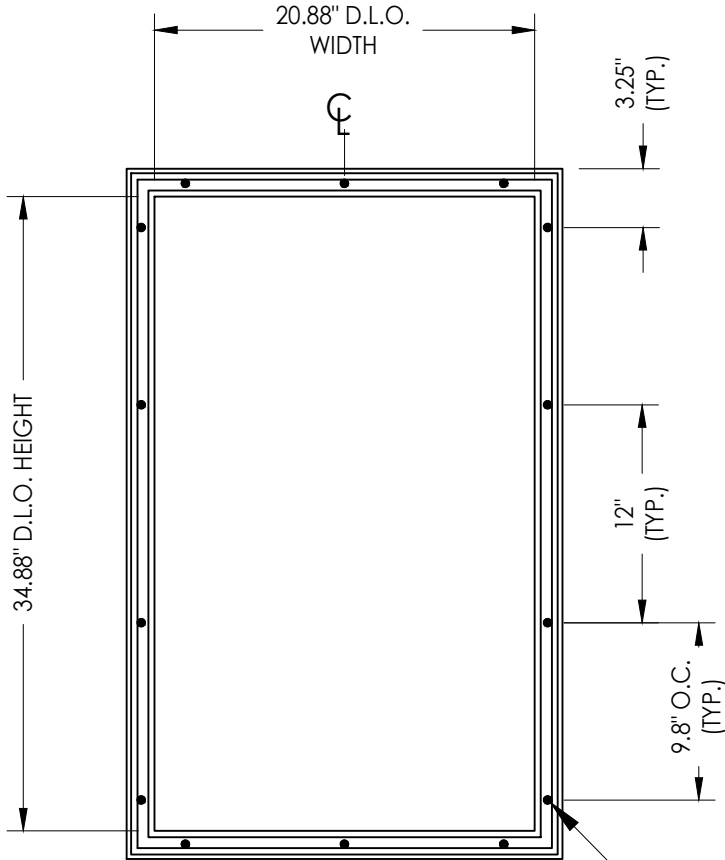
CHK. BY: LFS

DRAWING NO.:

FL-41814.5

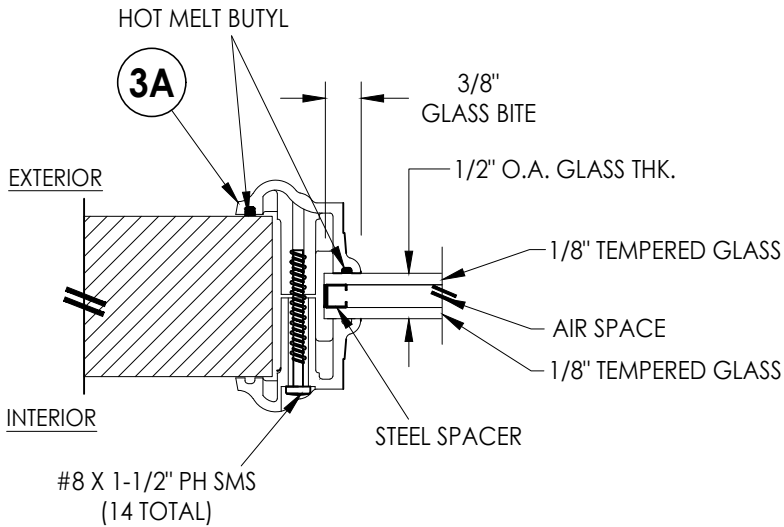
SHEET 2 OF 10

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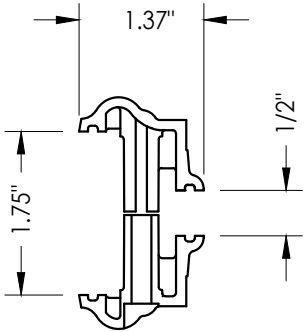


ODL LITE FRAME

#8 X 1-1/2" PH SMS
(14 TOTAL)



G1 **GLAZING DETAIL**
ODL LITE FRAME
HP POLYPROPYLENE



ODL LITE FRAME
HP POLYPROPYLENE

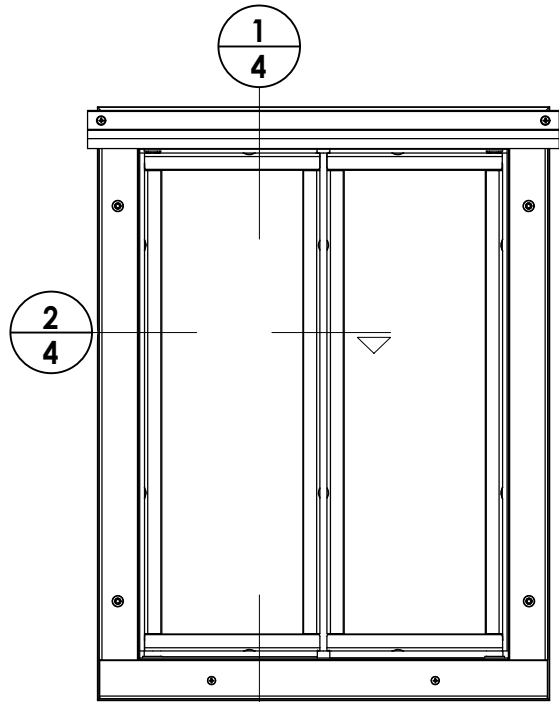
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SCALE: N.T.S.	
DWG. BY: RW	
CHK. BY: LFS	
DRAWING NO.: FL-41814.5	
SHEET 3	OF 10

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

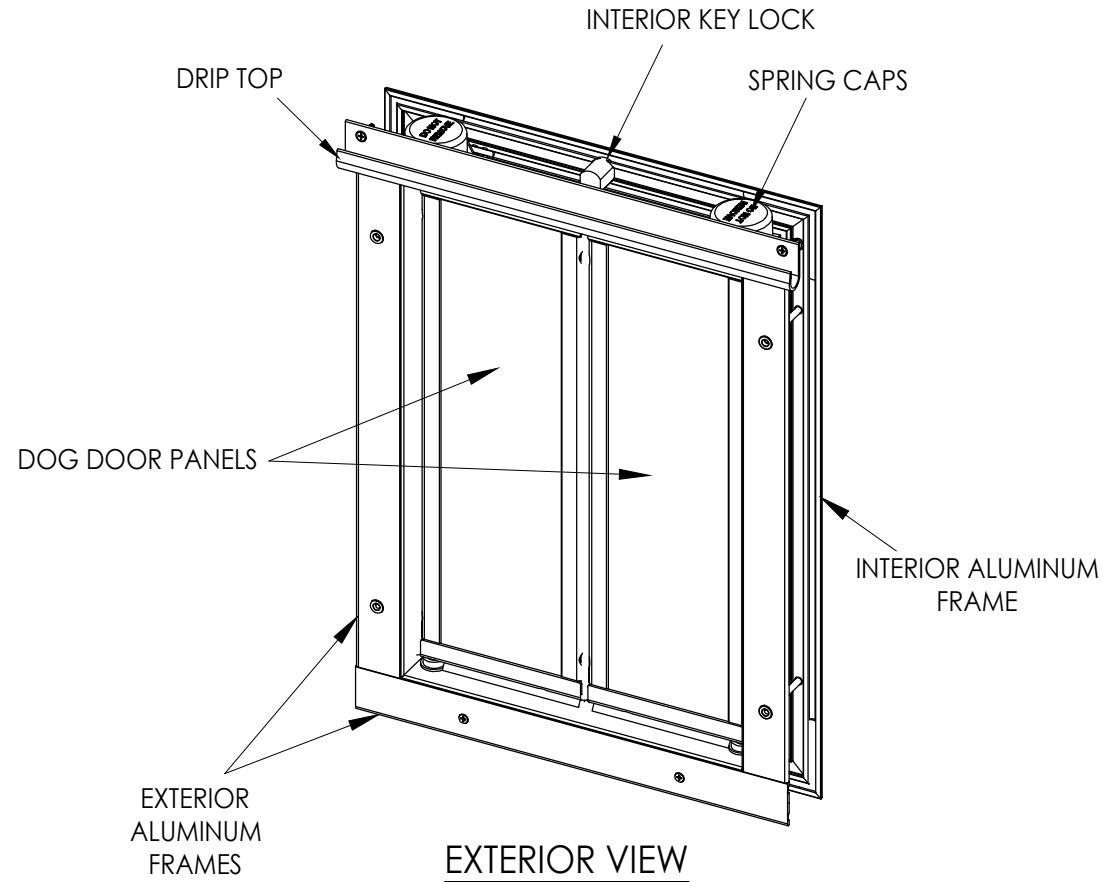
PRODUCT:	PDUSA, INC. BG DOOR MOUNT
PART OR ASSEMBLY:	LITE FRAME DETAILS

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P.E. No. 43409

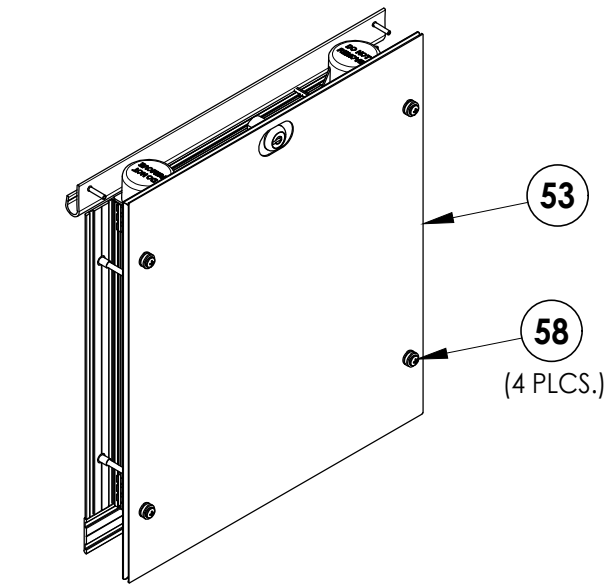
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



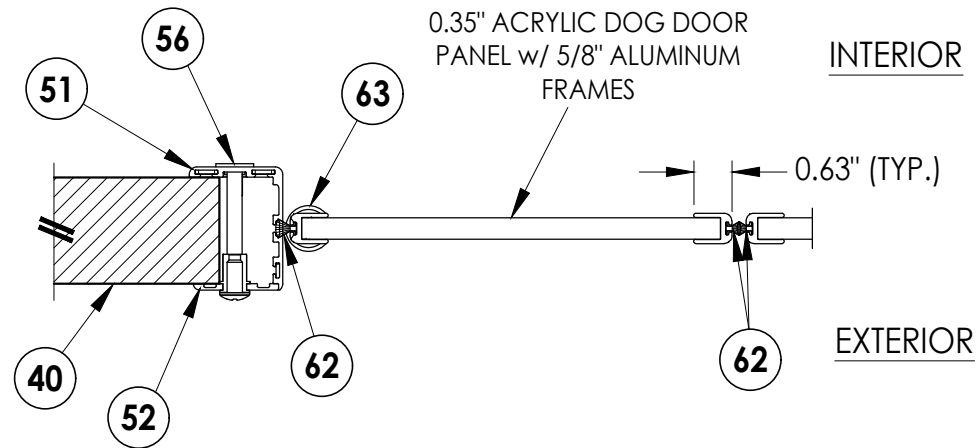
BG DOOR MOUNT



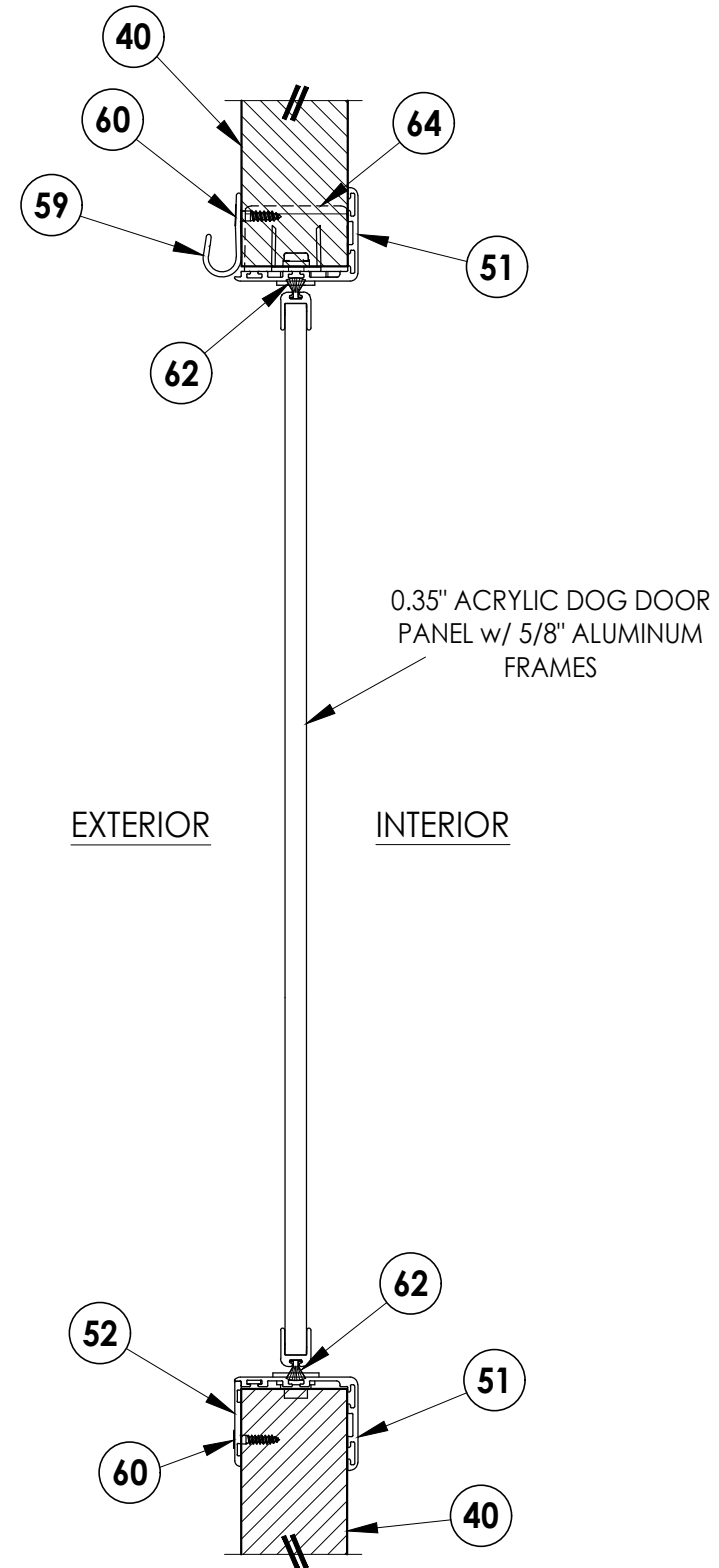
EXTERIOR VIEW



INTERIOR SECURITY COVER
OPTIONAL



2/4 HORIZONTAL CROSS SECTION



1/4 VERTICAL CROSS SECTION

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PRODUCT: PDUSA, INC.
BG DOOR MOUNT

PART OR ASSEMBLY:
BG DOG DOOR DETAILS

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

DATE: 12/05/22

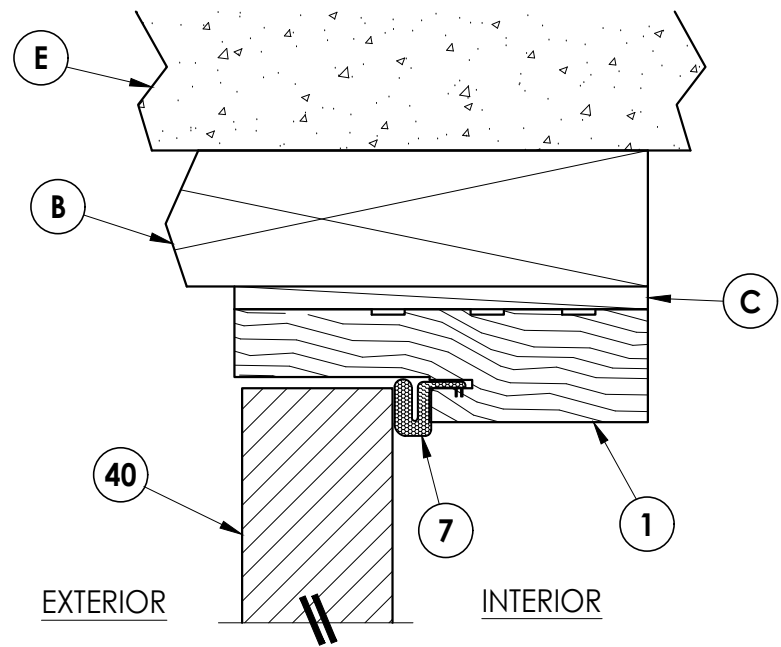
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DWG. BY: RW

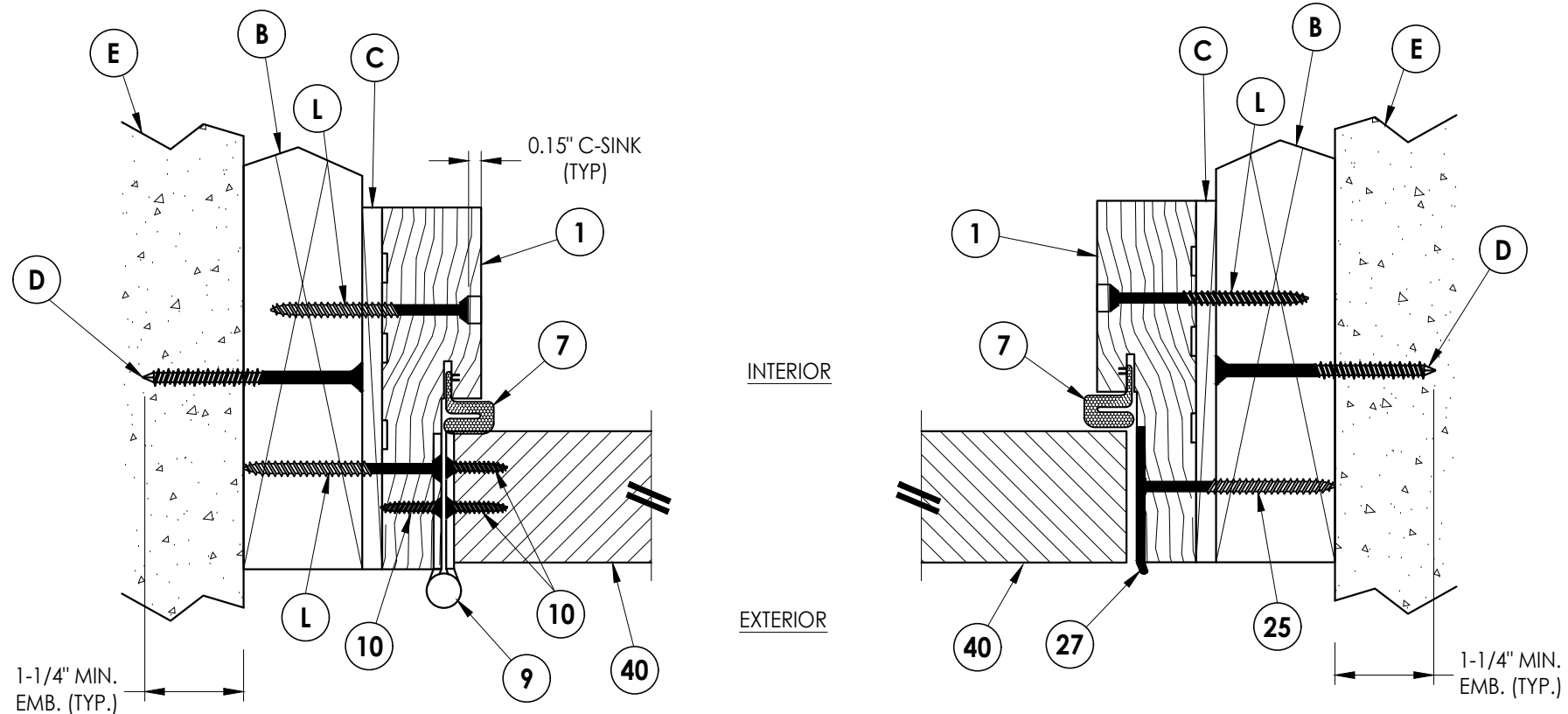
CHK. BY: LFS

DRAWING NO.: FL-41814.5

SHEET 4 OF 10



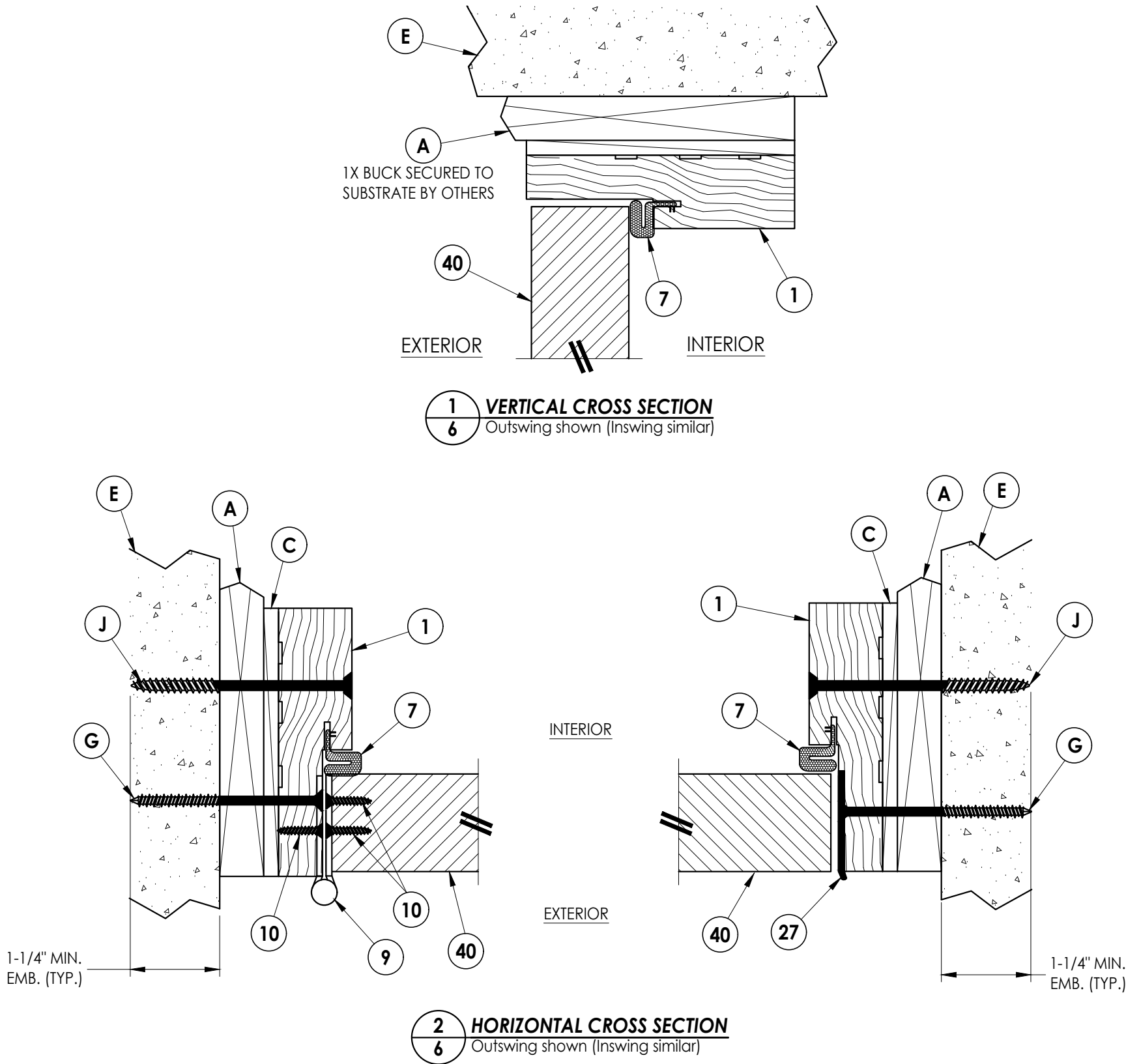
1 **VERTICAL CROSS SECTION**
5 Outswing shown (Inswing similar)



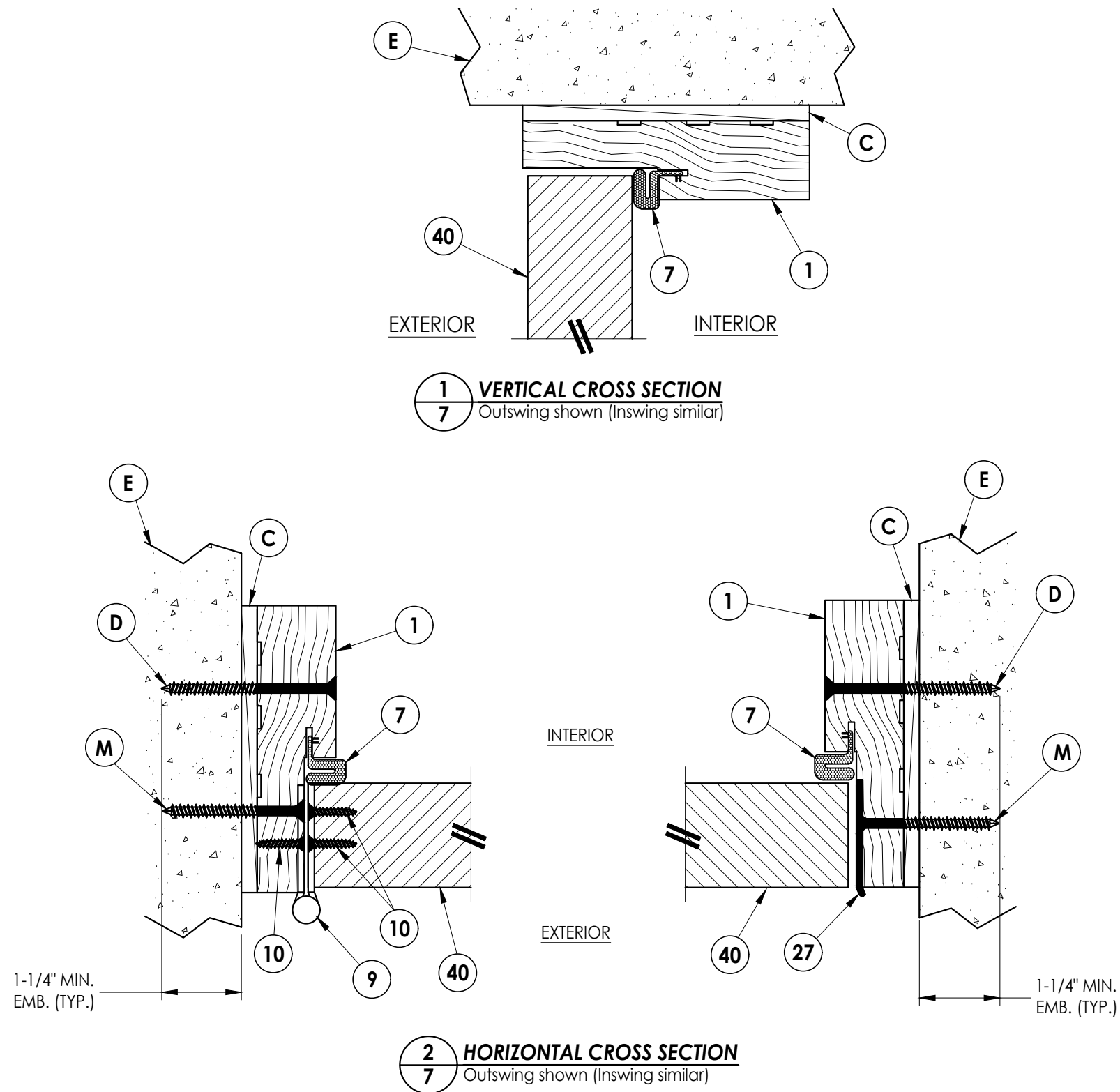
2 **HORIZONTAL CROSS SECTION**
5 Outswing shown (Inswing similar)

[illegible]

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PRODUCT: PDUSA, INC. BG DOOR MOUNT		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	

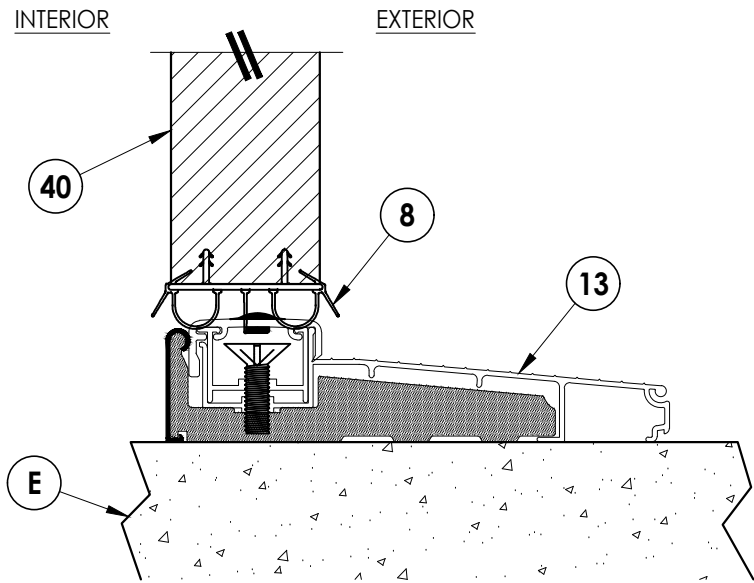
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PRODUCT: PDUSA, INC.
BG DOOR MOUNT

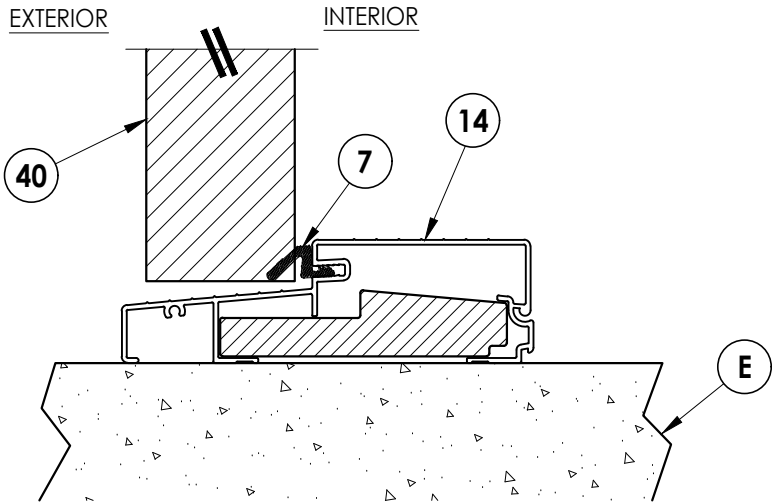
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)

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

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1
8 **VERTICAL CROSS SECTION**
Inswing Threshold



2
8 **VERTICAL CROSS SECTION**
Outswing Threshold

DATE: 12/05/22
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.:
FL-41814.5
SHEET 8 OF 10

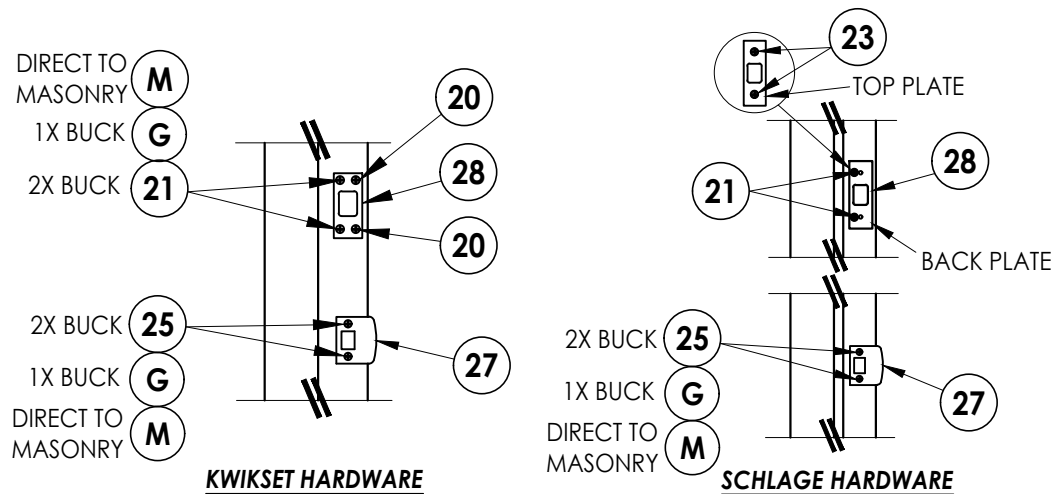
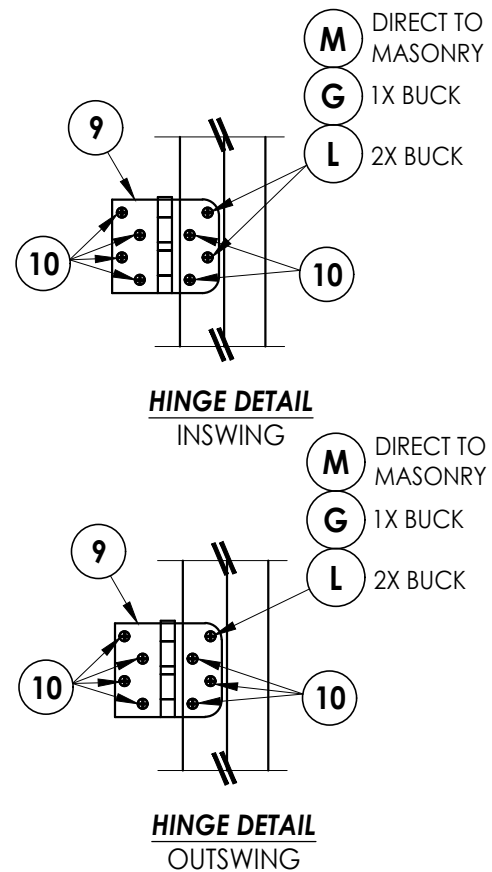
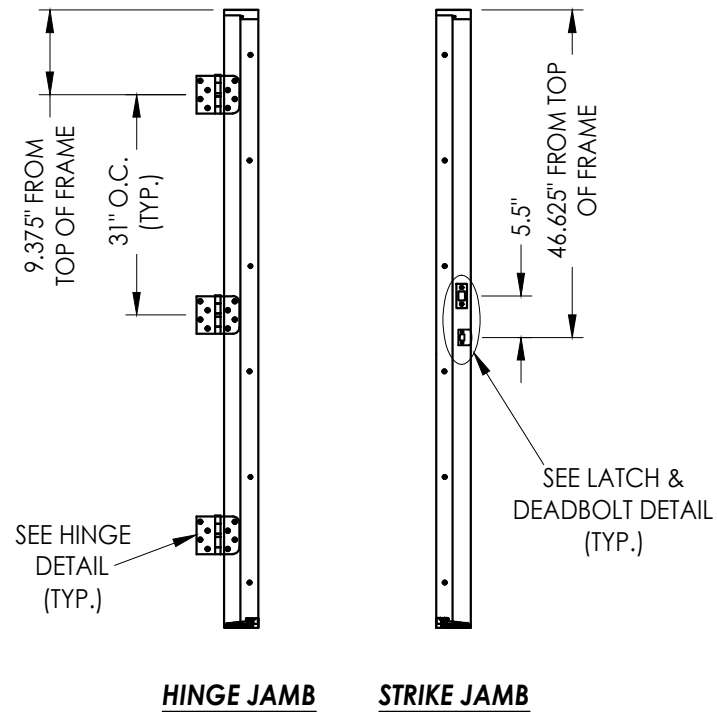
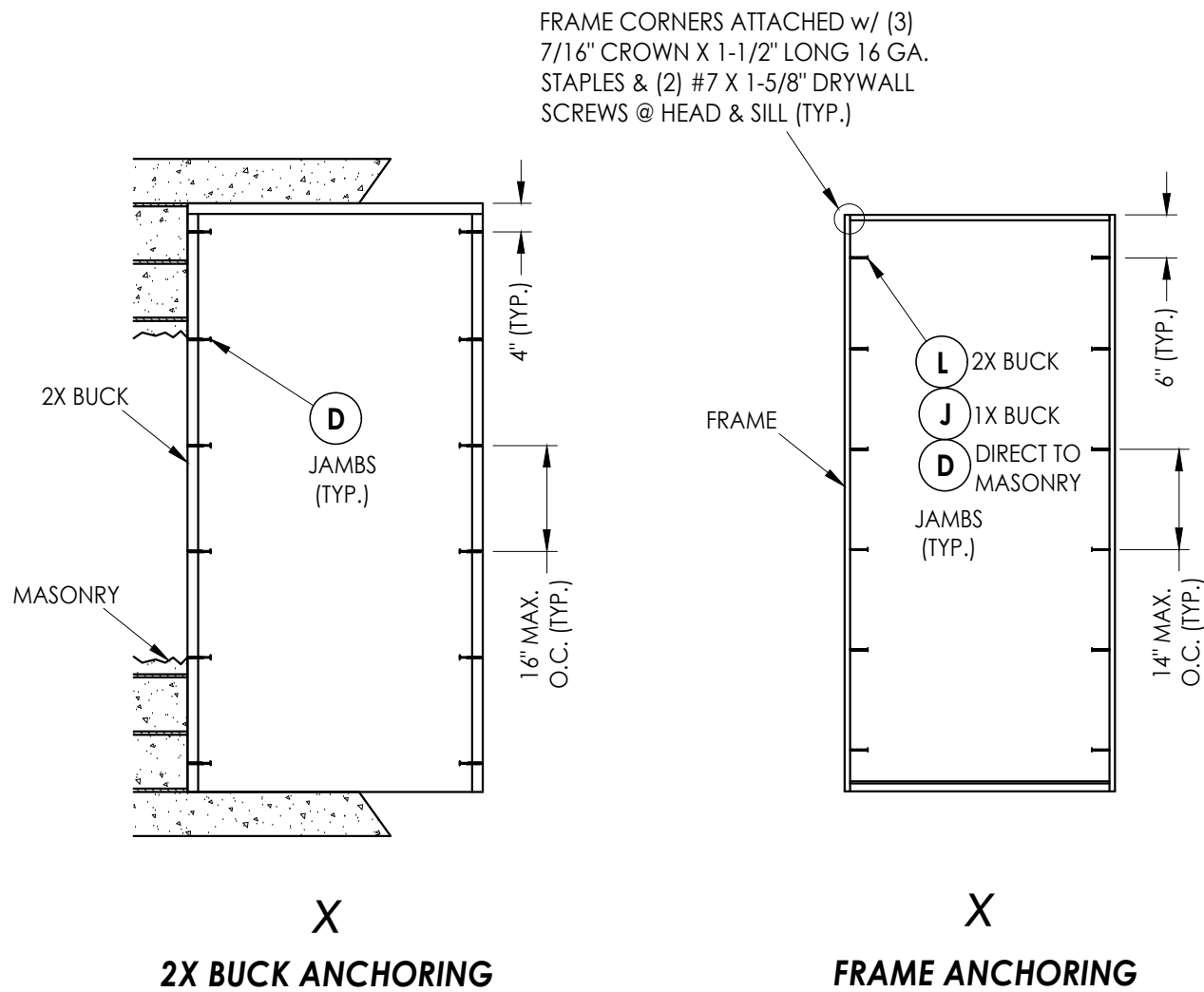
NO.	DATE	REVISIONS
1	10/4/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

PRODUCT:	PDUSA, INC. BG DOOR MOUNT
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS (THRESHOLDS)

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

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

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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.

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PRODUCT: PDUSA, INC.
BG DOOR MOUNT

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
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-41814.5

SHEET 9 OF 10

