

BRANNEN MILLWORK

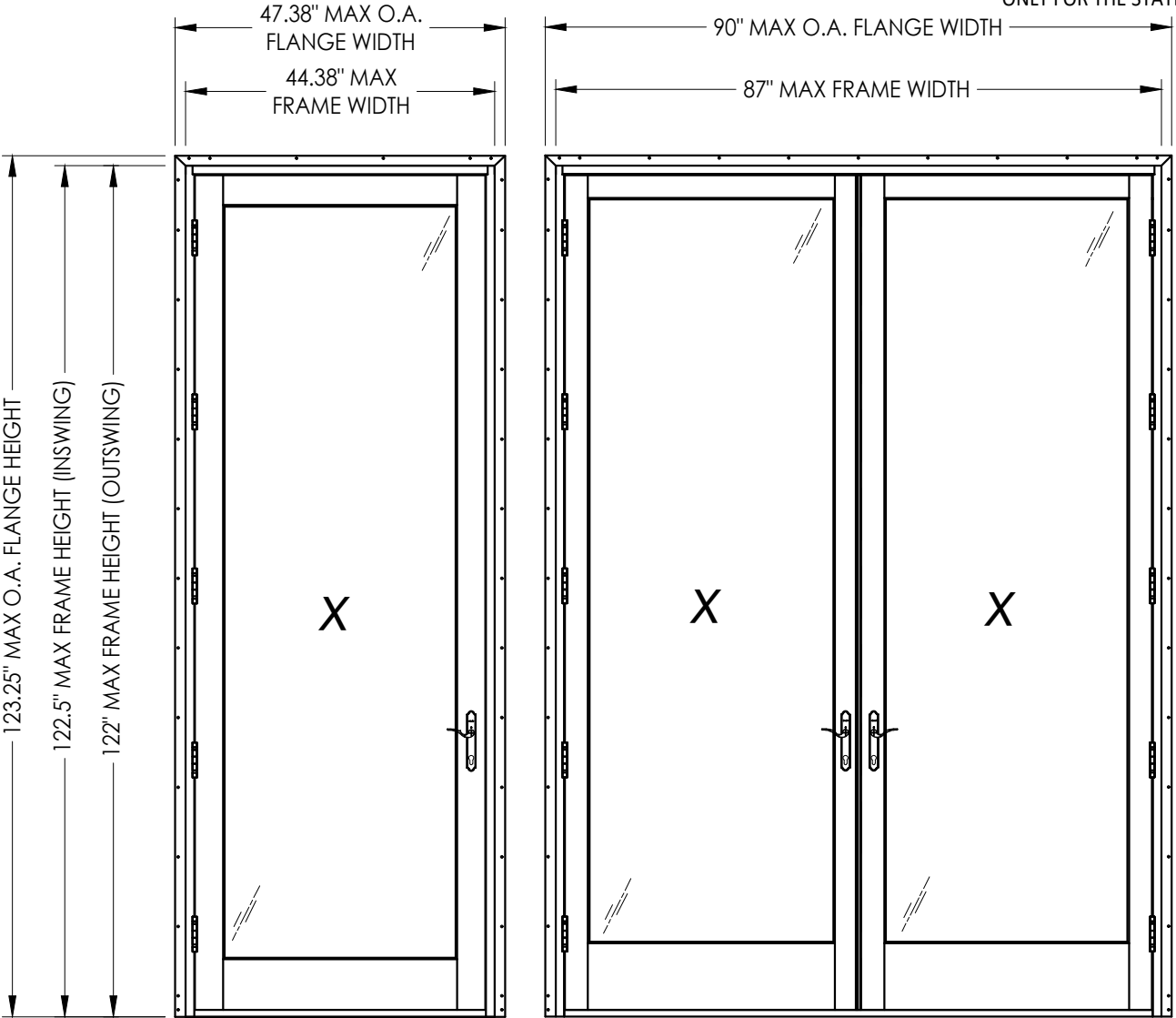
3379 EAST HWY. 46
REGISTER, GEORGIA 30452

GLAZED WOOD DOOR
INSWING/OUTSWING
"IMPACT"

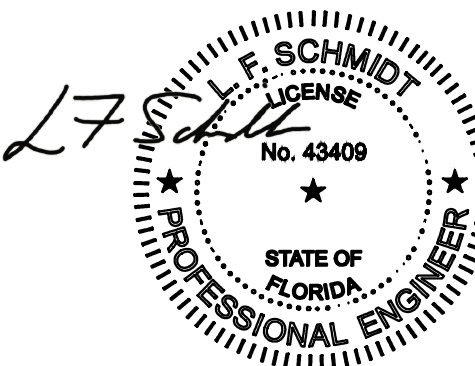
GENERAL NOTES:

- 1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements including 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 the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
- 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.
- 6. Outswing configurations meet water infiltration requirements for "HVHZ".
- 7. Inswing configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel & glazing details
3	Door panel & glazing details
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6	Vertical cross sections
7	Buck anchoring
8	Frame anchoring
9	Frame anchoring
10	Bill of materials & components



SWING	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
OUTSWING	87.0" x 122.0"	33.0" x 108.0"	G1, G2	+50.0	-50.0
INSWING	87.0" x 122.5"	33.0" x 108.0"	G1, G2	+50.0	-60.0



Digitally signed by
Lyndon F Schmidt
Date: 2026.10.07
09:48:11 -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

PRODUCT:
BRANNEN MILLWORK
WOOD DOOR

DATE: 12/7/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15737.18

SHEET 1 OF 10

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

REVISIONS

DATE: 12/7/15

SCALE: N.T.S.

DWG. BY: JK

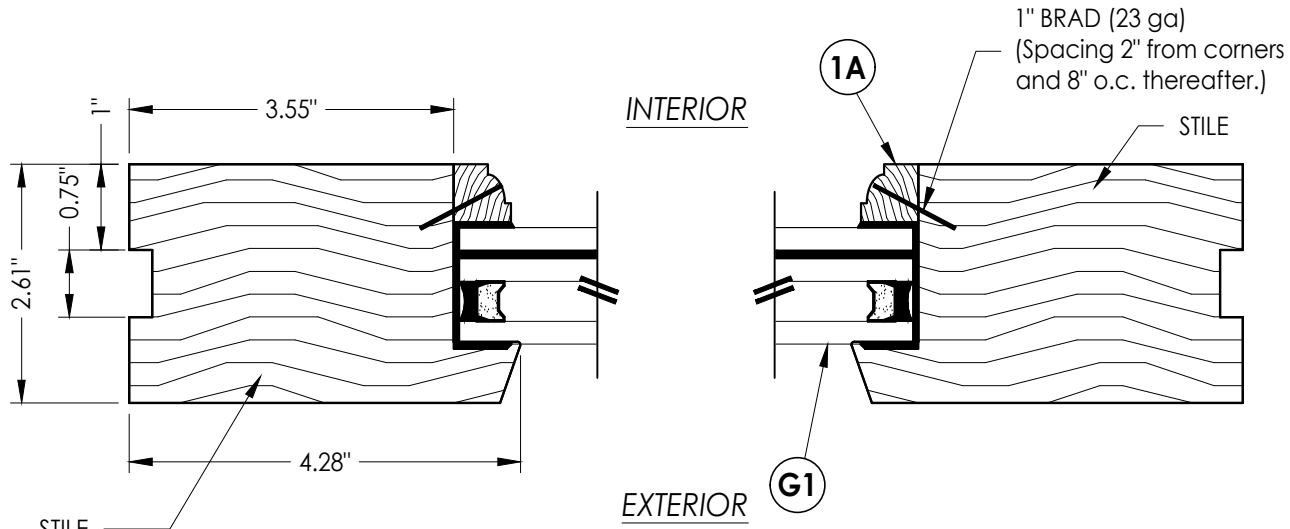
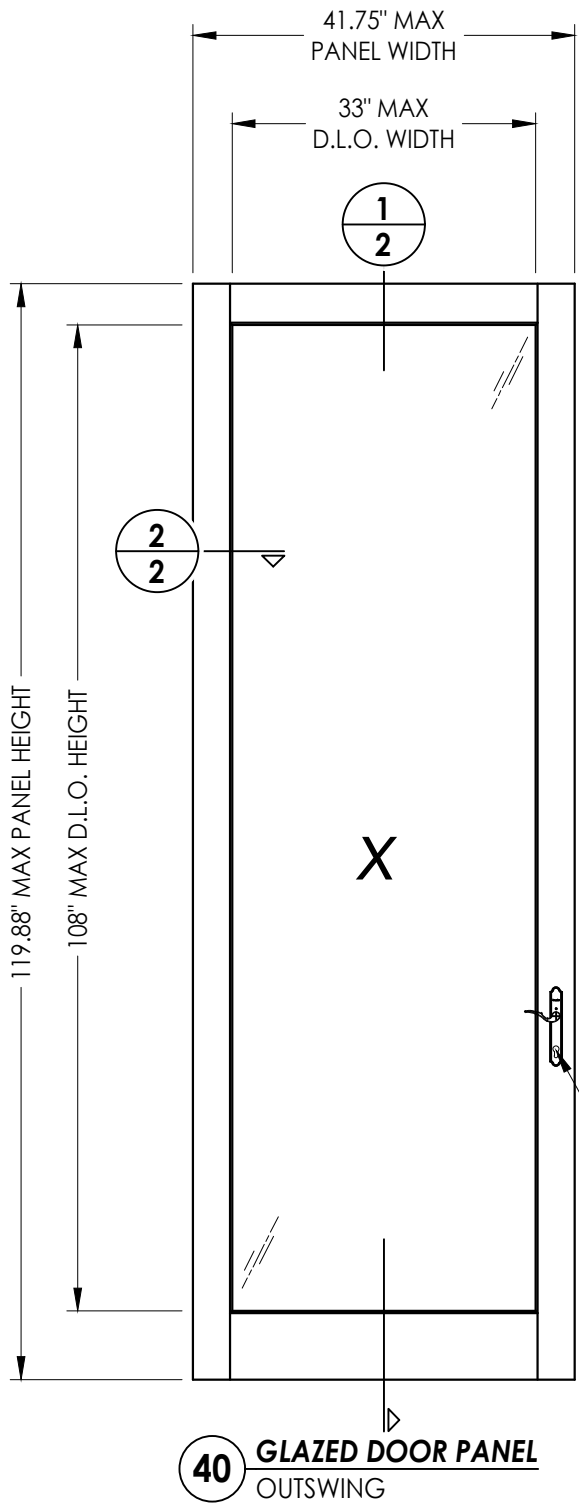
CHK. BY: LFS

DRAWING NO.: FL-15737.18

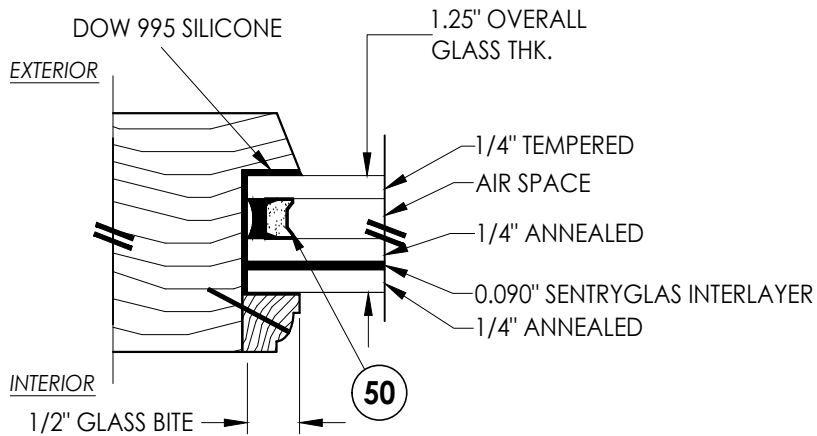
SHEET 1 OF 10

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

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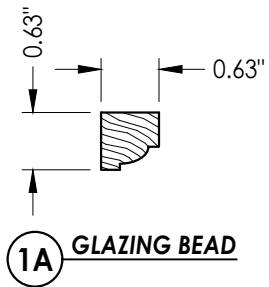


2
2 HORIZONTAL CROSS SECTION

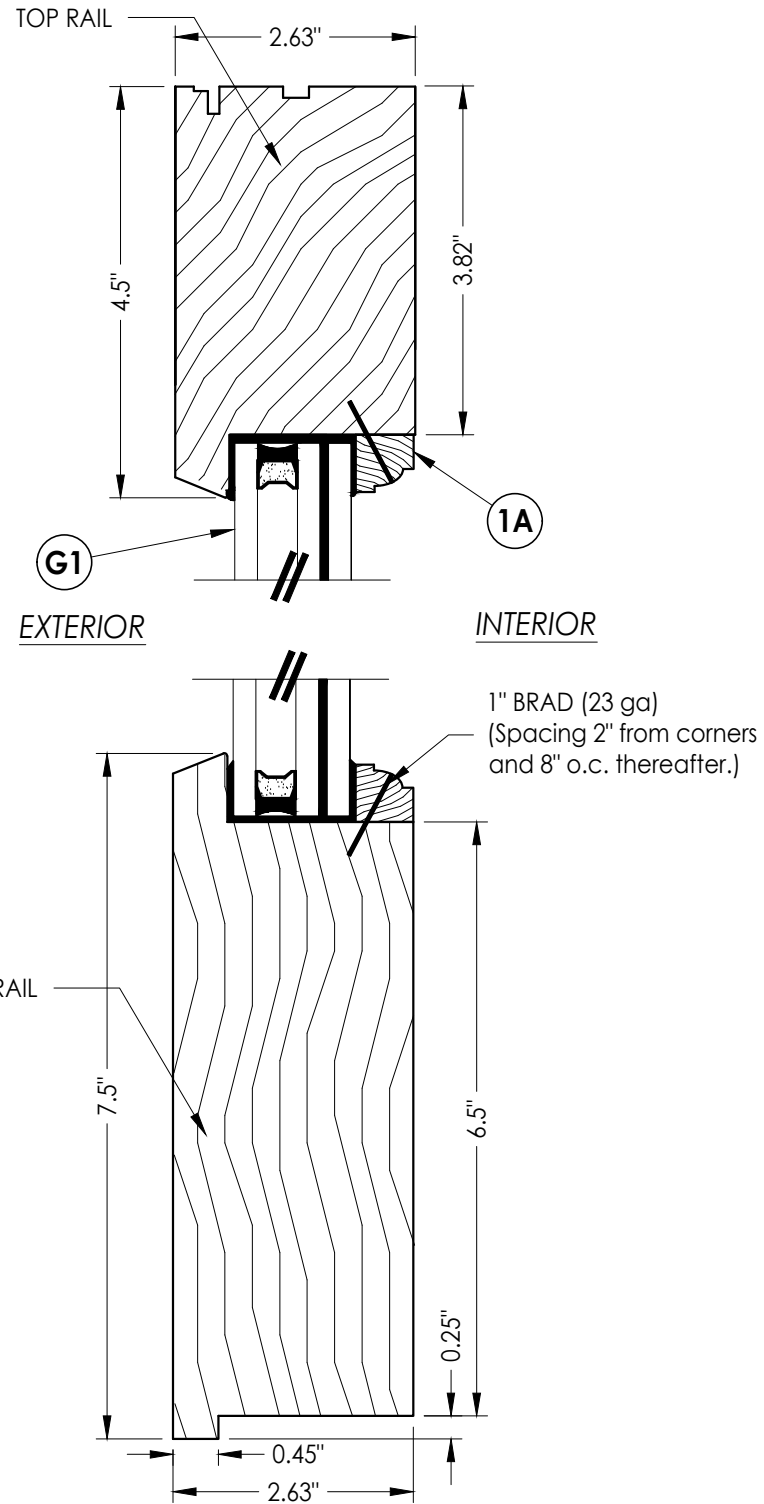


G1 GLAZING DETAIL

SEE HARDWARE
CHART



LOCK HARDWARE TABLE	
MANUFACTURER	MODEL
HOPPE	HLS9000 MANUAL SHOOTBOLT (ACTIVE & INACTIVE DOORS)

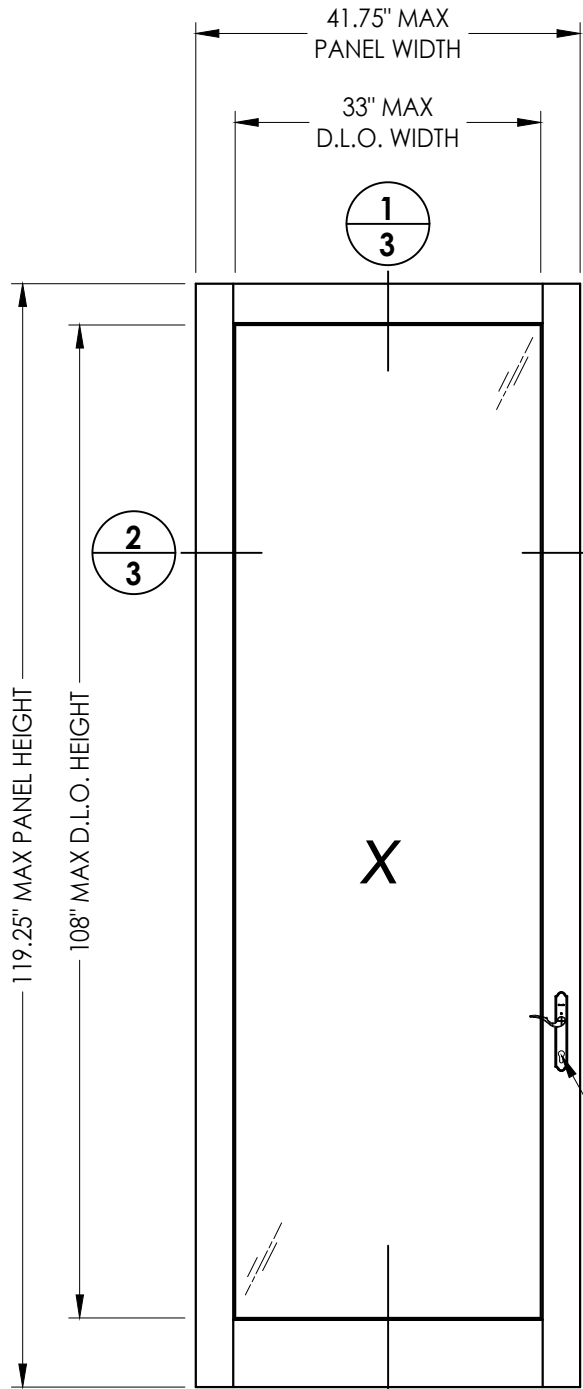


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		PRODUCT: BRANNEN MILLWORK WOOD DOOR		PART OR ASSEMBLY: DOOR PANEL & GLAZING DETAILS	
4	9/22/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
3	10/4/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
2	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
1	07/11/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
NO.	DATE	REVISIONS			
DATE: 12/7/15					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-15737.18					
SHEET 2 of 10					

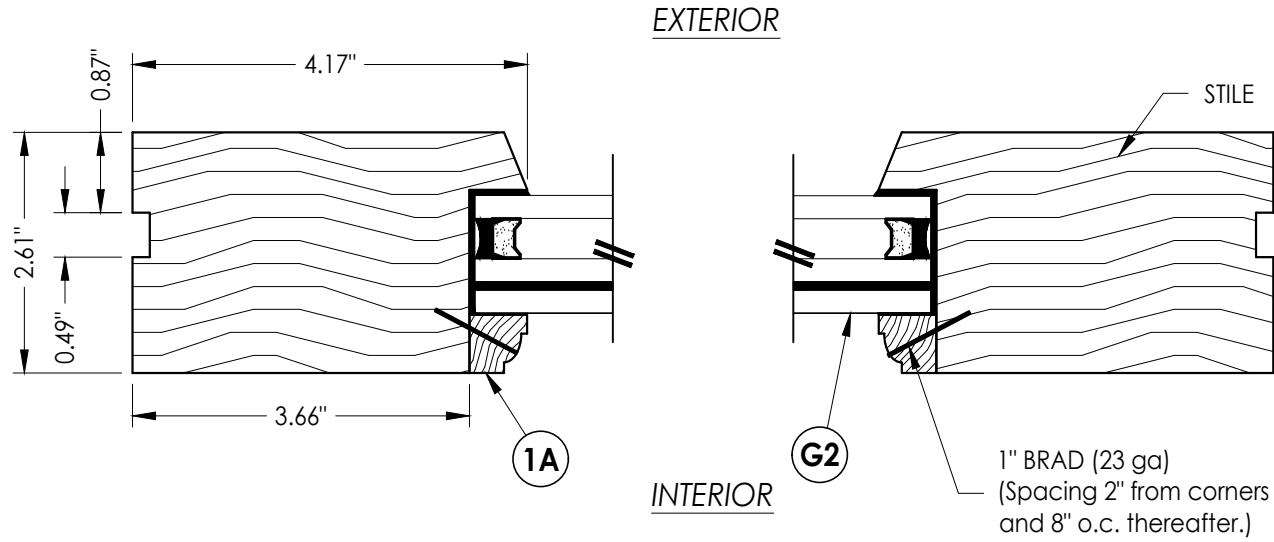
Documents Prepared By:
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P.E. No. 43409

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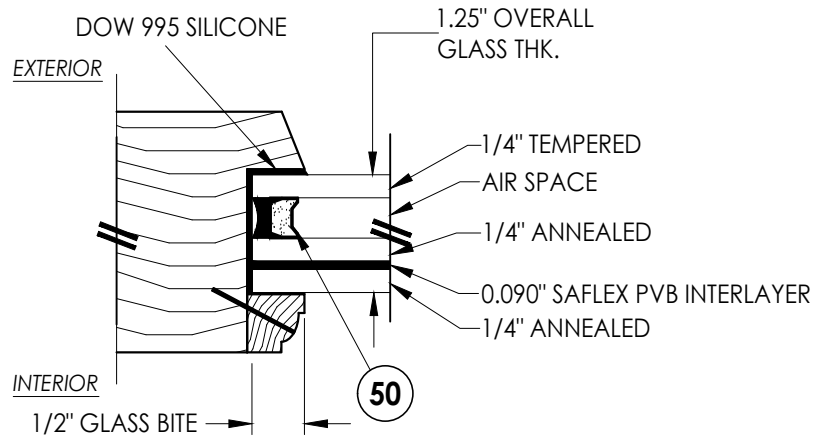
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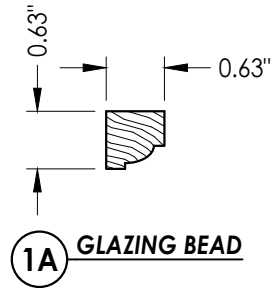
40 GLAZED DOOR PANEL
INSWING



2/3 HORIZONTAL CROSS SECTION

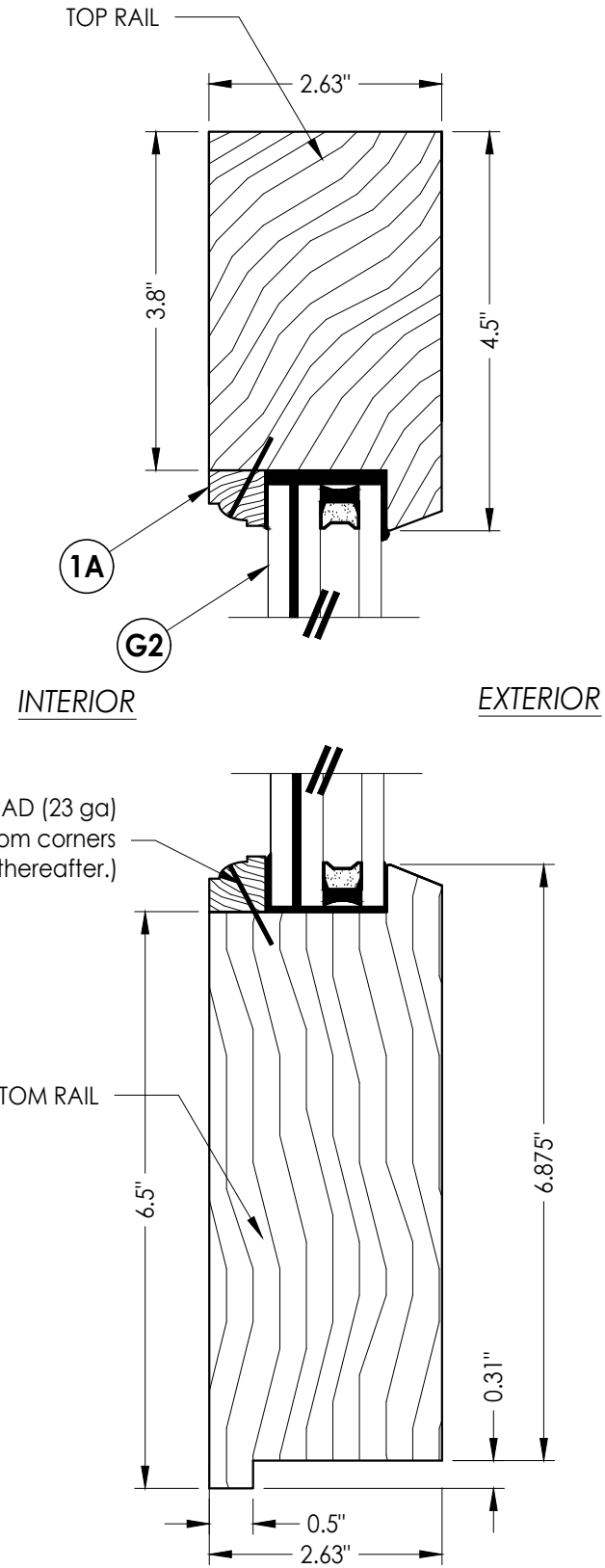


G2 GLAZING DETAIL



1A GLAZING BEAD

LOCK HARDWARE TABLE	
MANUFACTURER	MODEL
HOPPE	HLS9000 MANUAL SHOOTBOLT (ACTIVE & INACTIVE DOORS)



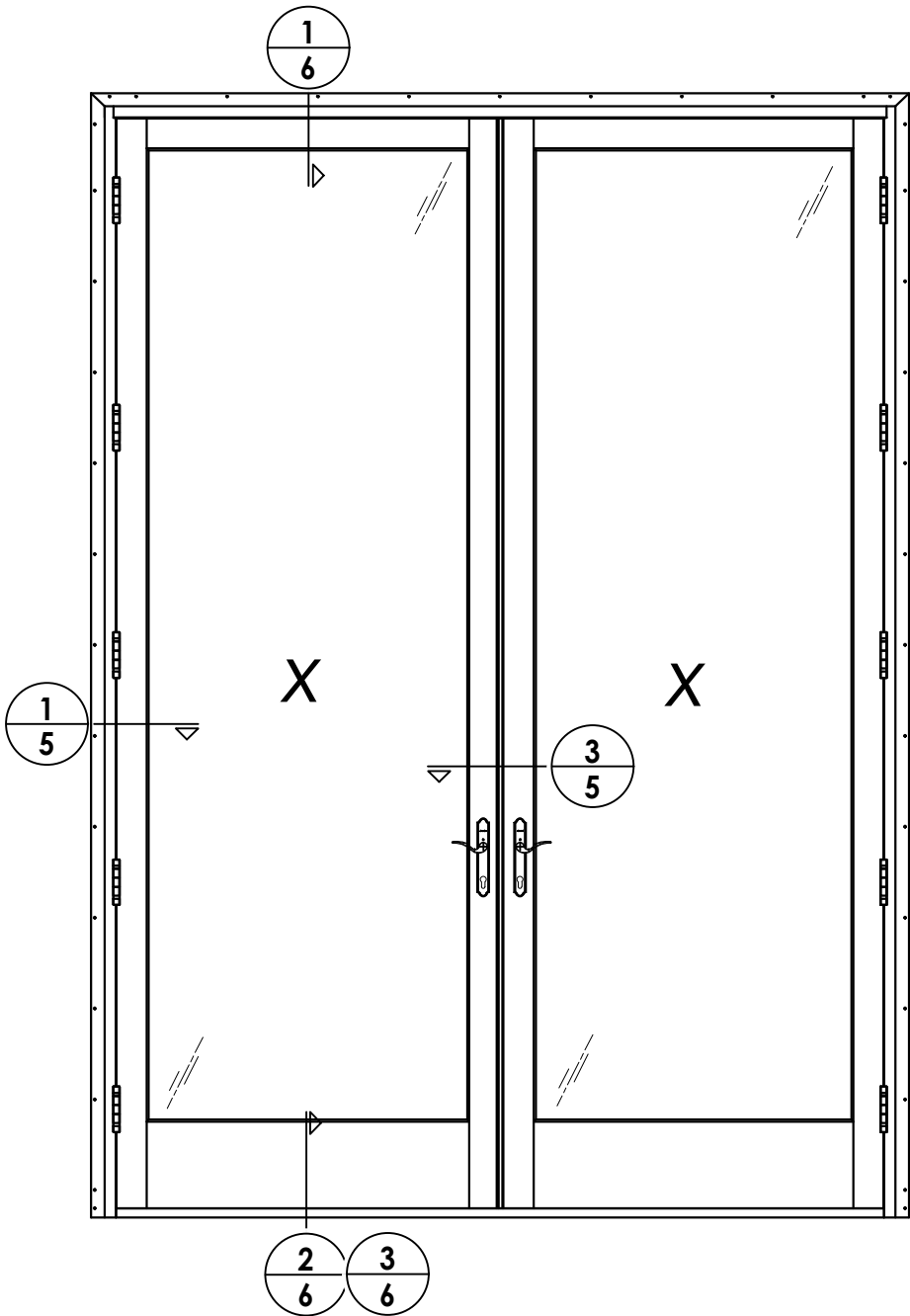
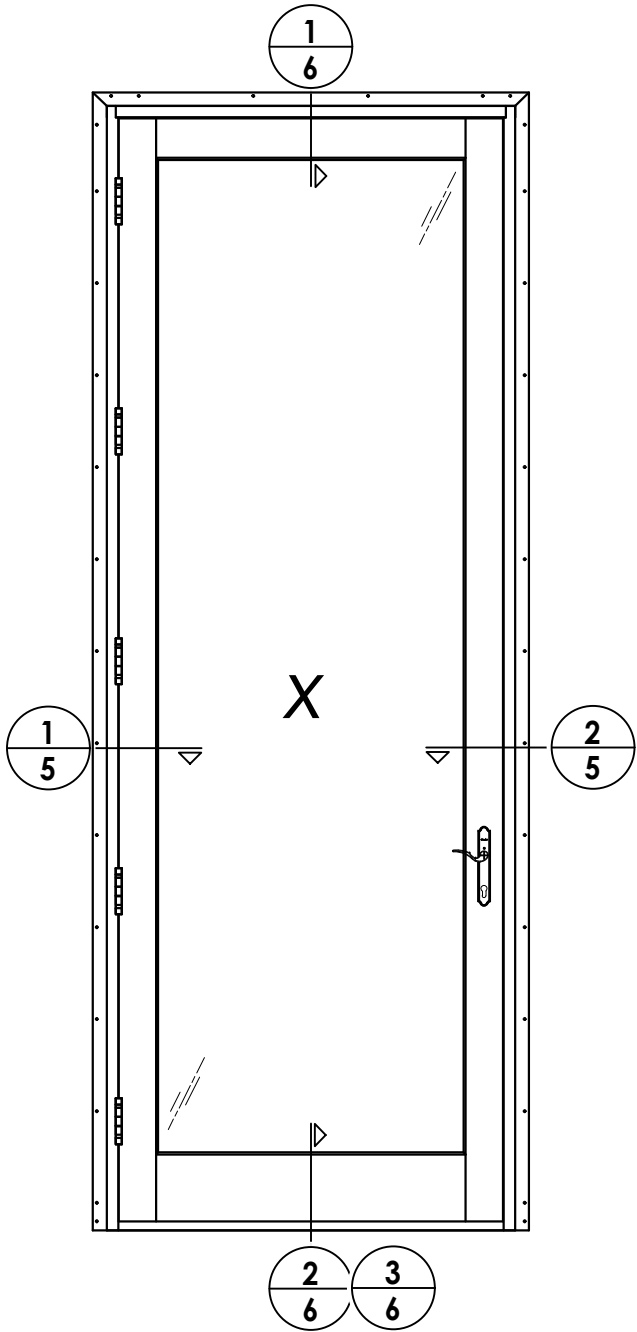
1/3 VERTICAL CROSS SECTION

PRODUCT:		BRANNEN MILLWORK WOOD DOOR		PART OR ASSEMBLY: DOOR PANEL & GLAZING DETAILS	
NO.	DATE	REVISIONS	BY	LFS	BY
4	9/22/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
3	10/4/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
2	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
1	07/11/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	

DATE:	12/7/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15737.18
SHEET	3 OF 10

Documents Prepared By:
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FBPE Registry No. 9813



DATE:	12/7/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15737.18
SHEET	4 OF 10

NO.	DATE	REVISIONS
4	9/22/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	10/4/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	07/11/17	UPDATE TO 6TH ED. (2017) FBC LFS

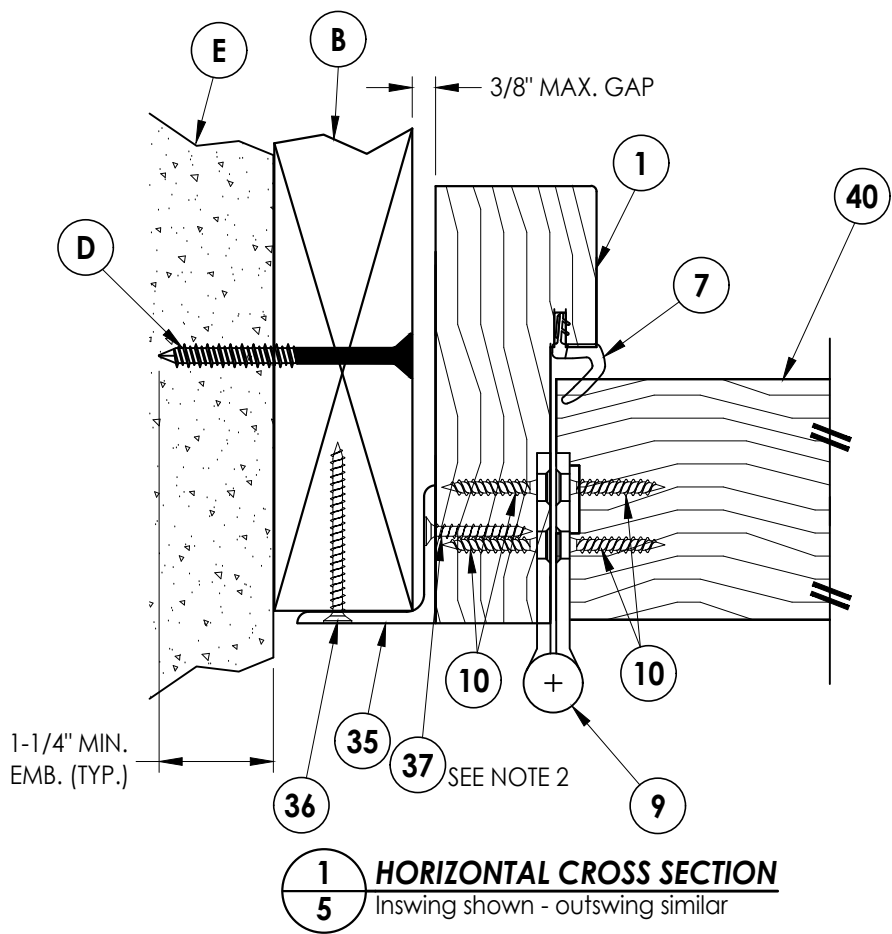
PRODUCT:	BRANNEN MILLWORK WOOD DOOR
PART OR ASSEMBLY:	ELEVATIONS

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P.E. No. 43409

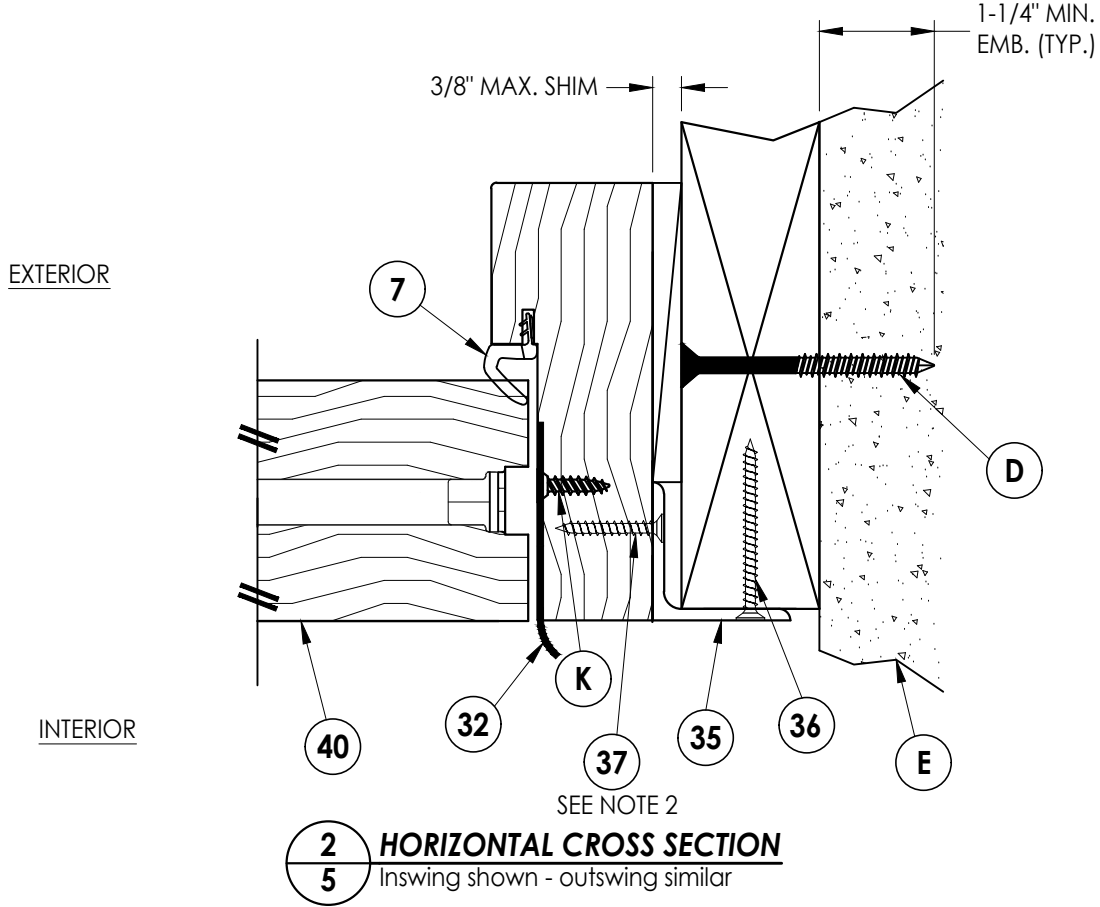
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FBPE Registry No. 9813

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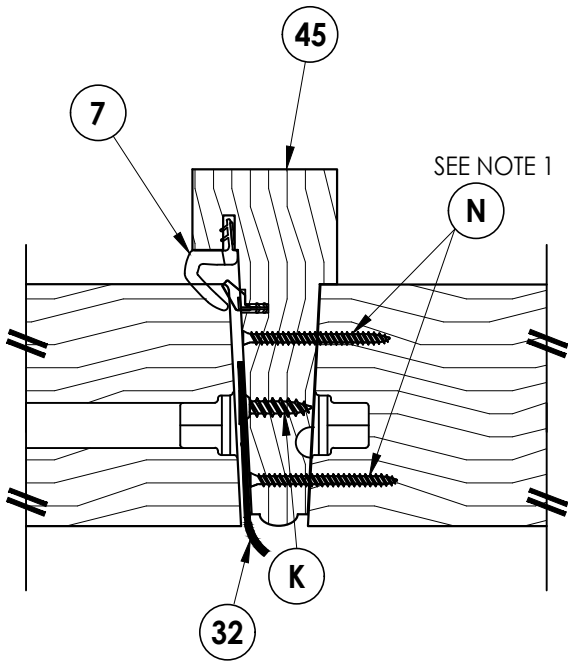
- NOTES:
1. Spacing for item #N: 3" from each end & 12" o.c. and staggered thereafter.
 2. Spacing for item #37: 2" from each end & 10" o.c. thereafter.



1
5 HORIZONTAL CROSS SECTION
Inswing shown - outswing similar

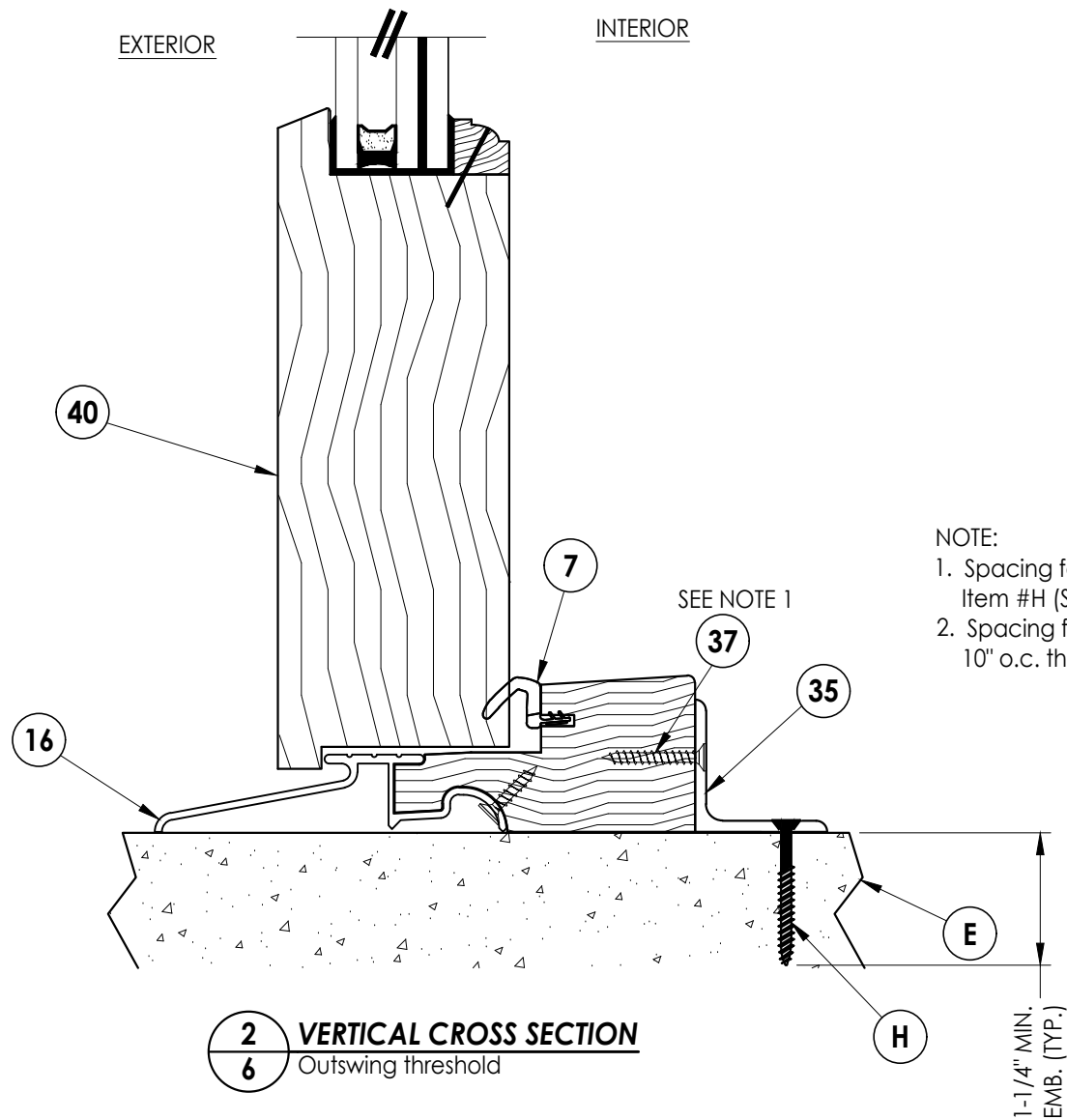


2
5 HORIZONTAL CROSS SECTION
Inswing shown - outswing similar



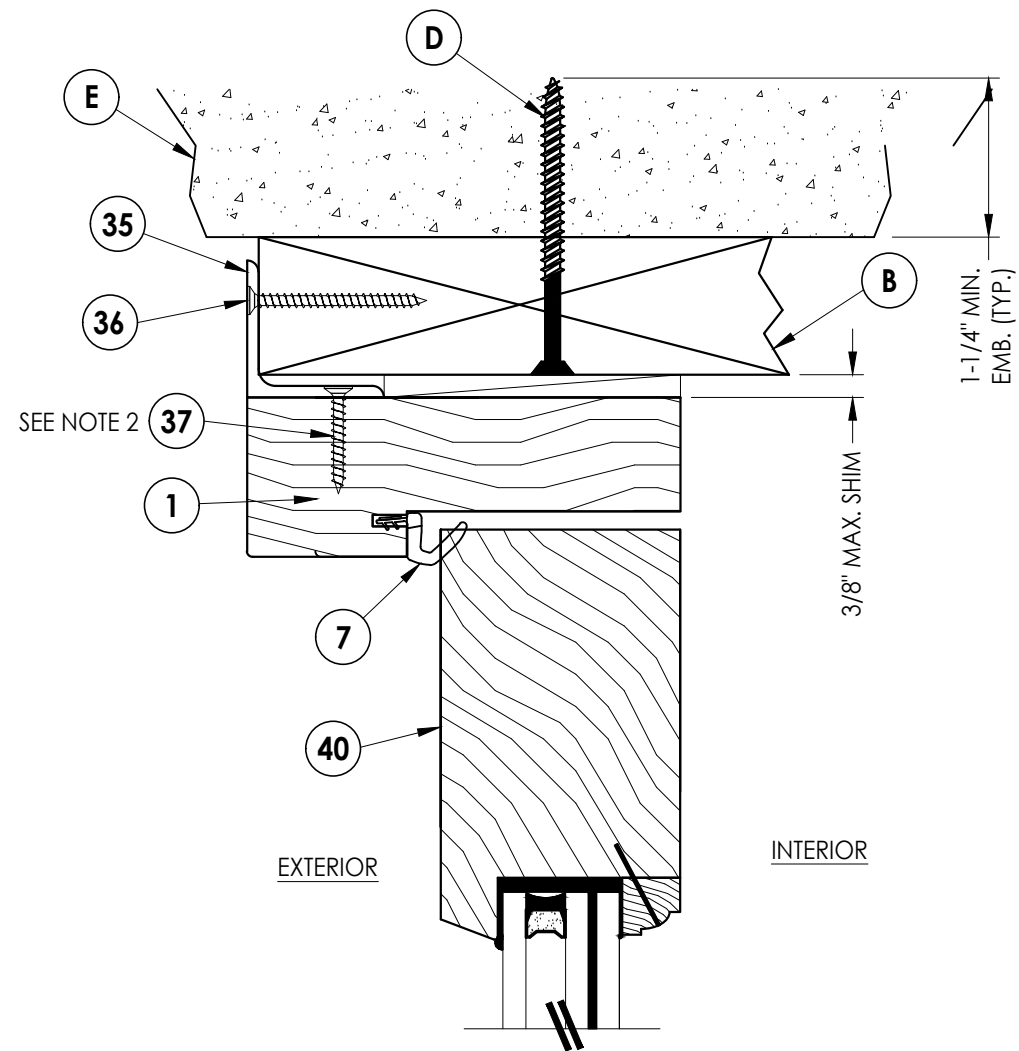
3
5 HORIZONTAL CROSS SECTION
Inswing shown - outswing similar

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PRODUCT: BRANNEN MILLWORK WOOD DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTION	
4	9/22/26	UPDATE TO 9TH ED. (2026) FBC	LFS
3	10/4/23	UPDATE TO 8TH ED. (2023) FBC	LFS
2	9/16/20	UPDATE TO 7TH ED. (2020) FBC	LFS
1	07/11/17	UPDATE TO 6TH ED. (2017) FBC	LFS
NO.	DATE		BY
REVISIONS			
DATE: 12/7/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15737.18			
SHEET 5 OF 10			



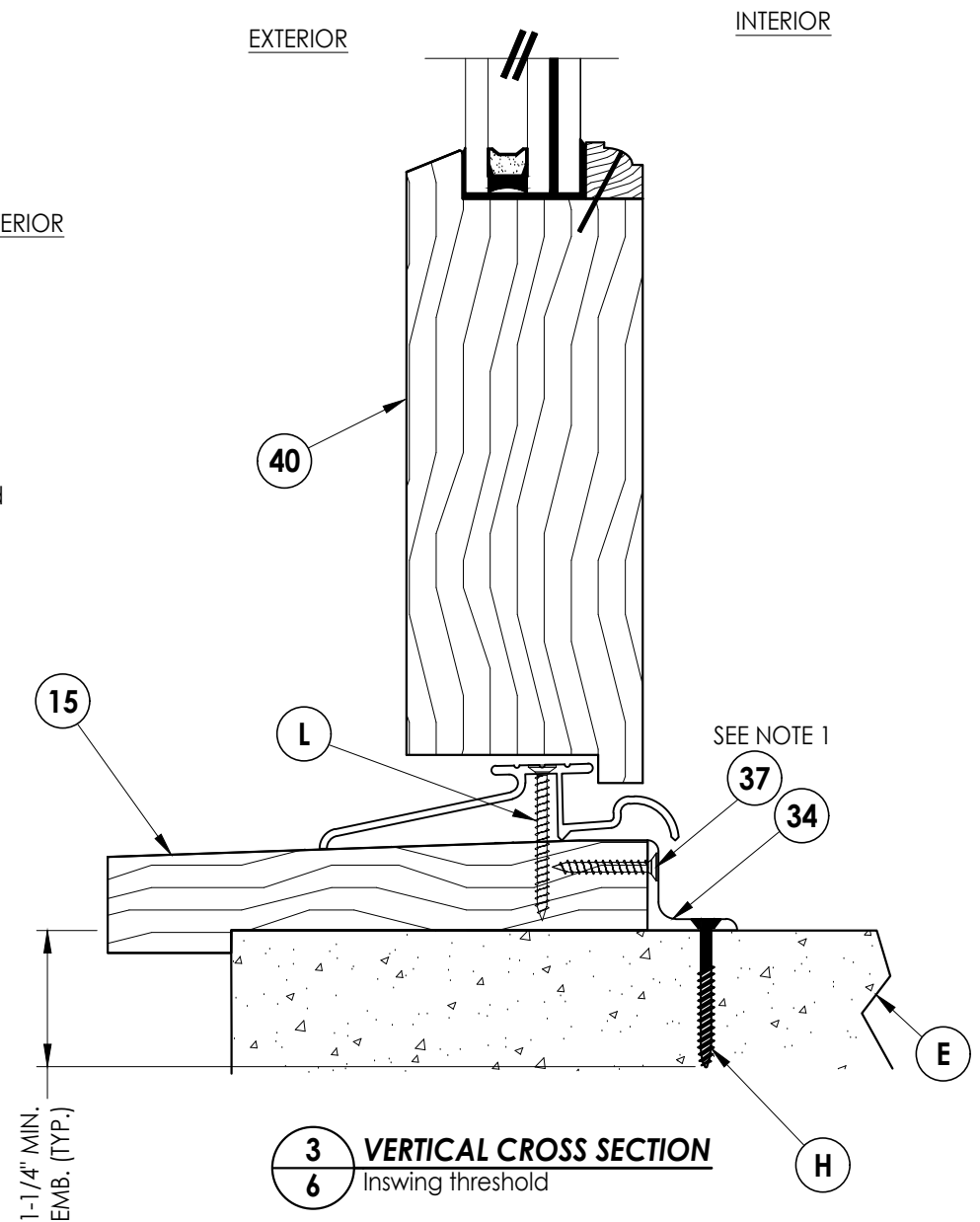
NOTE:

1. Spacing for item #37 is the same as for Item #H (See Frame Anchoring, Sheet 8).
2. Spacing for item #37: 2" from each end & 10" o.c. thereafter.



1 VERTICAL CROSS SECTION

Inswing shown - outswing also approved



3 VERTICAL CROSS SECTION

Inswing threshold

	4	9/22/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
	3	10/4/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
	2	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
	1	07/11/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
	NO.	DATE			BY
	REVISIONS				

DATE: 12/7/15

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: *LFS*

DRAWING NO.:

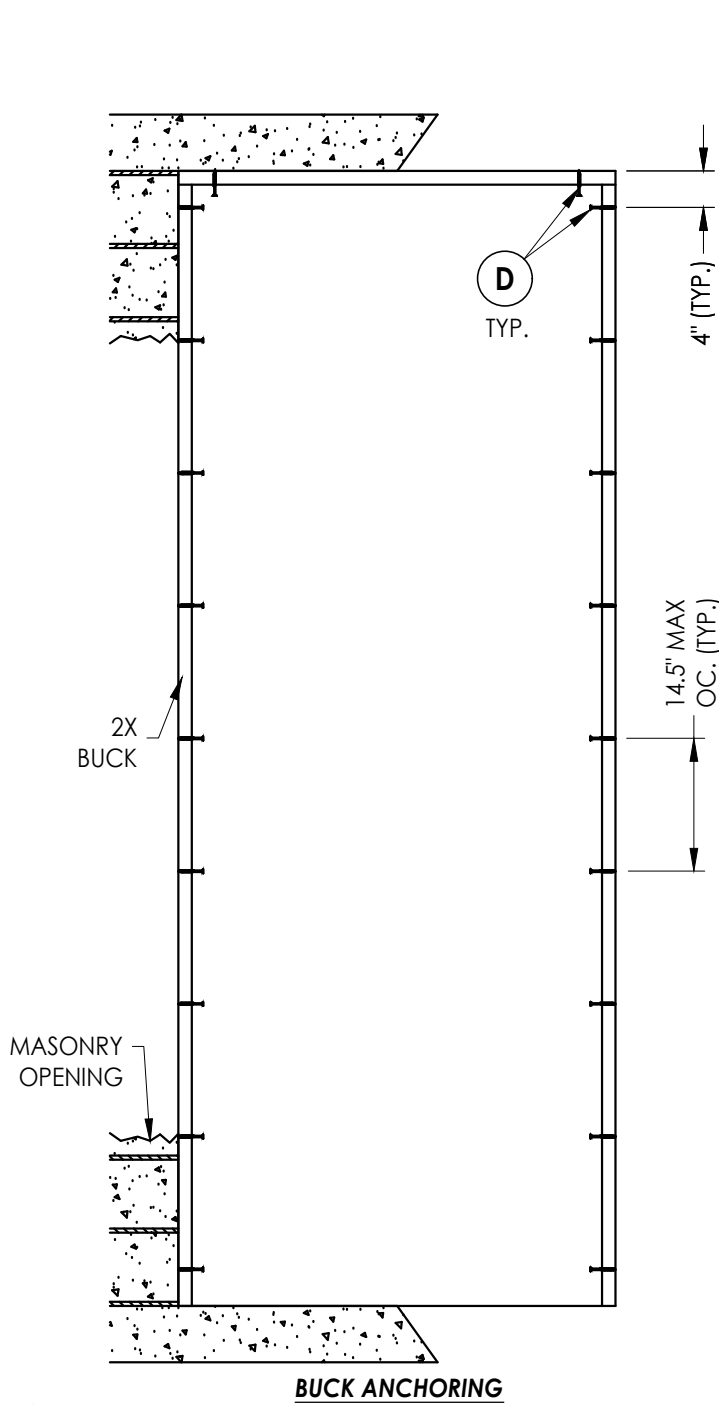
FL-15737.18

SHEET 6 OF 10

Documents Prepared By:
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P.E. No. 43409

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BUCK ANCHORING

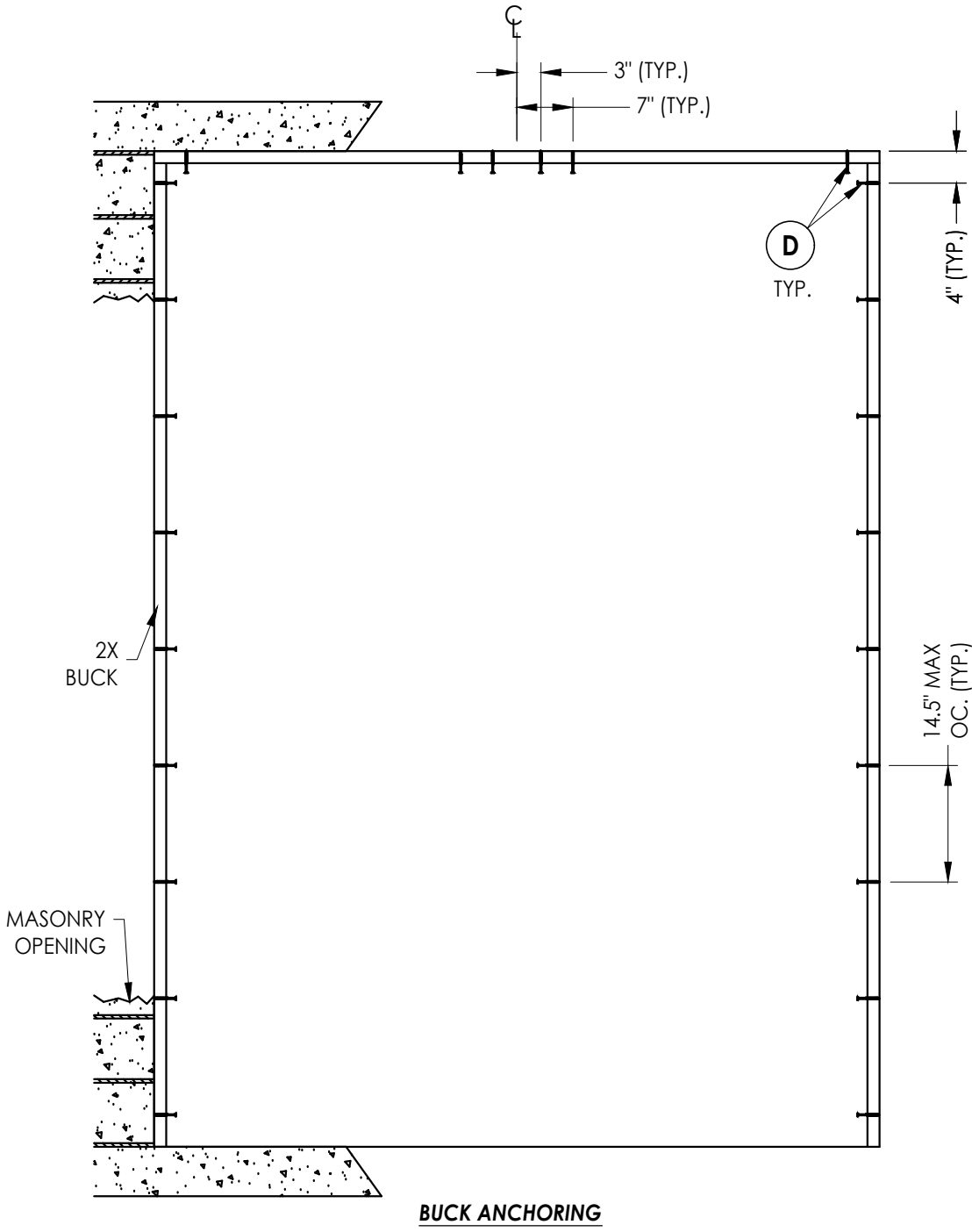
CONCRETE ANCHOR NOTES:

- 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
DeWALT ULTRACON®	3/16"	1-3/4"	1"	1-1/8"
	1/4"	1-1/4"	1"	4"
ITW TAPCON®	1/4"	1-1/4"	2"	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.



BUCK ANCHORING

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:
BRANNEN MILLWORK
WOOD DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

NO.	DATE	REVISIONS
4	9/22/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	10/4/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	07/11/17	UPDATE TO 6TH ED. (2017) FBC LFS

DATE: 12/7/15

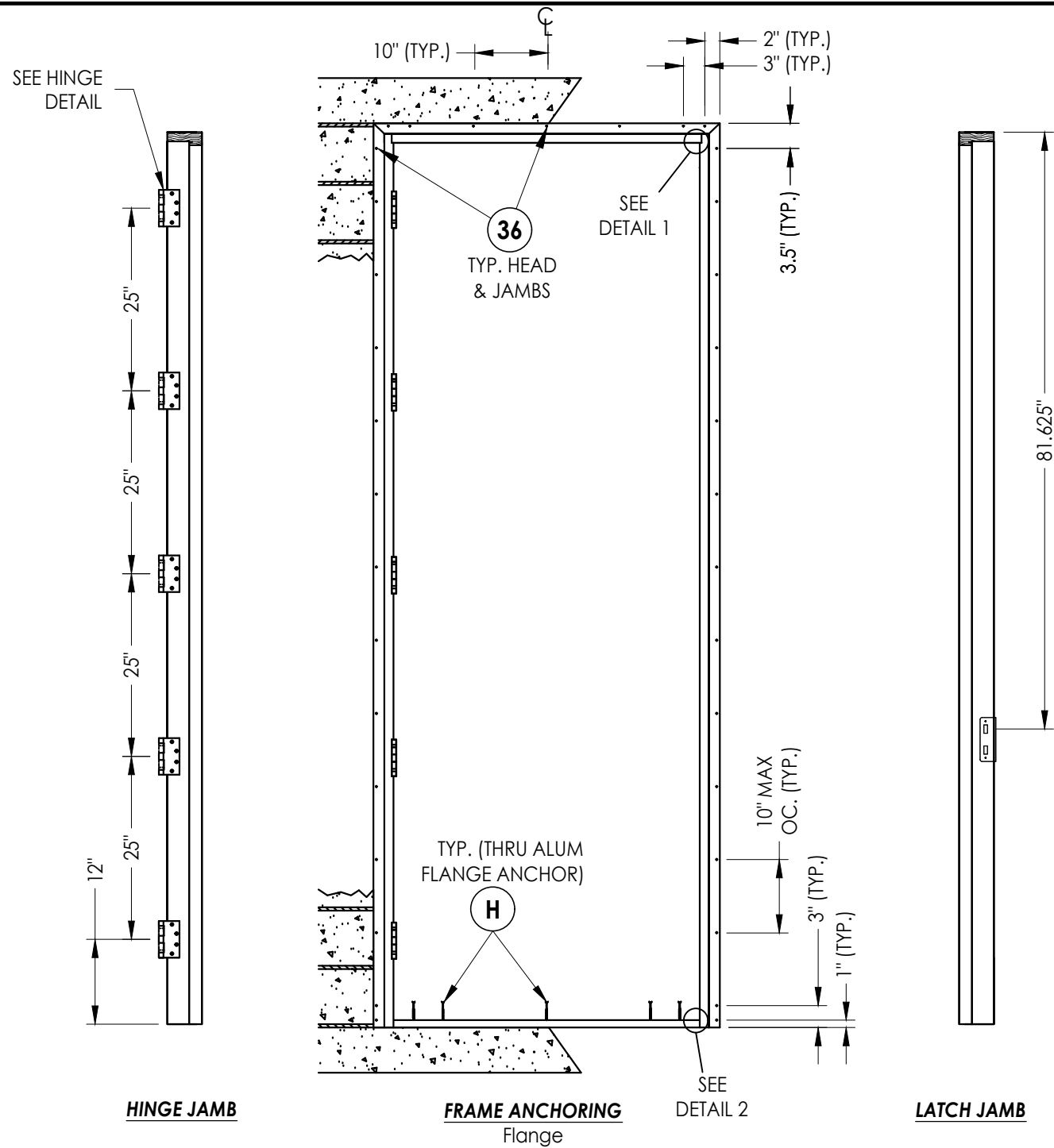
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15737.18

SHEET 7 OF 10



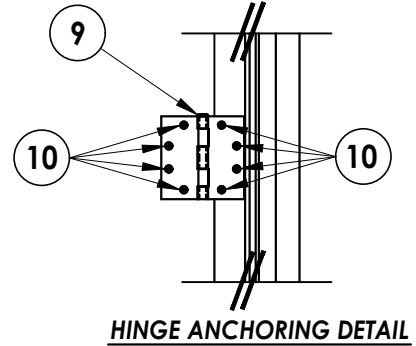
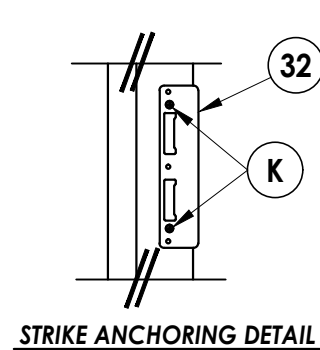
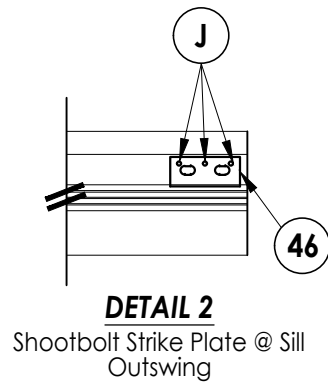
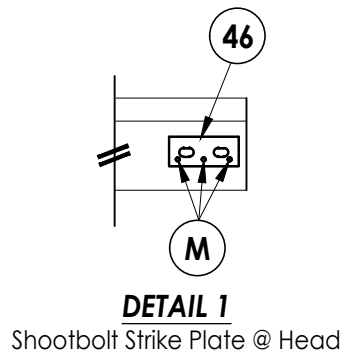
CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
DeWALT ULTRACON®	3/16"	1-3/4"	1"	1-1/8"
	1/4"	1-1/4"	1"	4"
ITW TAPCON®	1/4"	1-1/4"	2"	4"

WOOD SCREW INSTALLATION NOTES:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



	4	9/22/26	UPDATE TO 9TH ED.	(2026)	FBC LFS
	3	10/4/23	UPDATE TO 8TH ED.	(2023)	FBC LFS
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	1	07/11/17	UPDATE TO 6TH ED.	(2017)	FBC LFS
	NO.	DATE			BY
					REVISIONS

DATE: 12/7/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

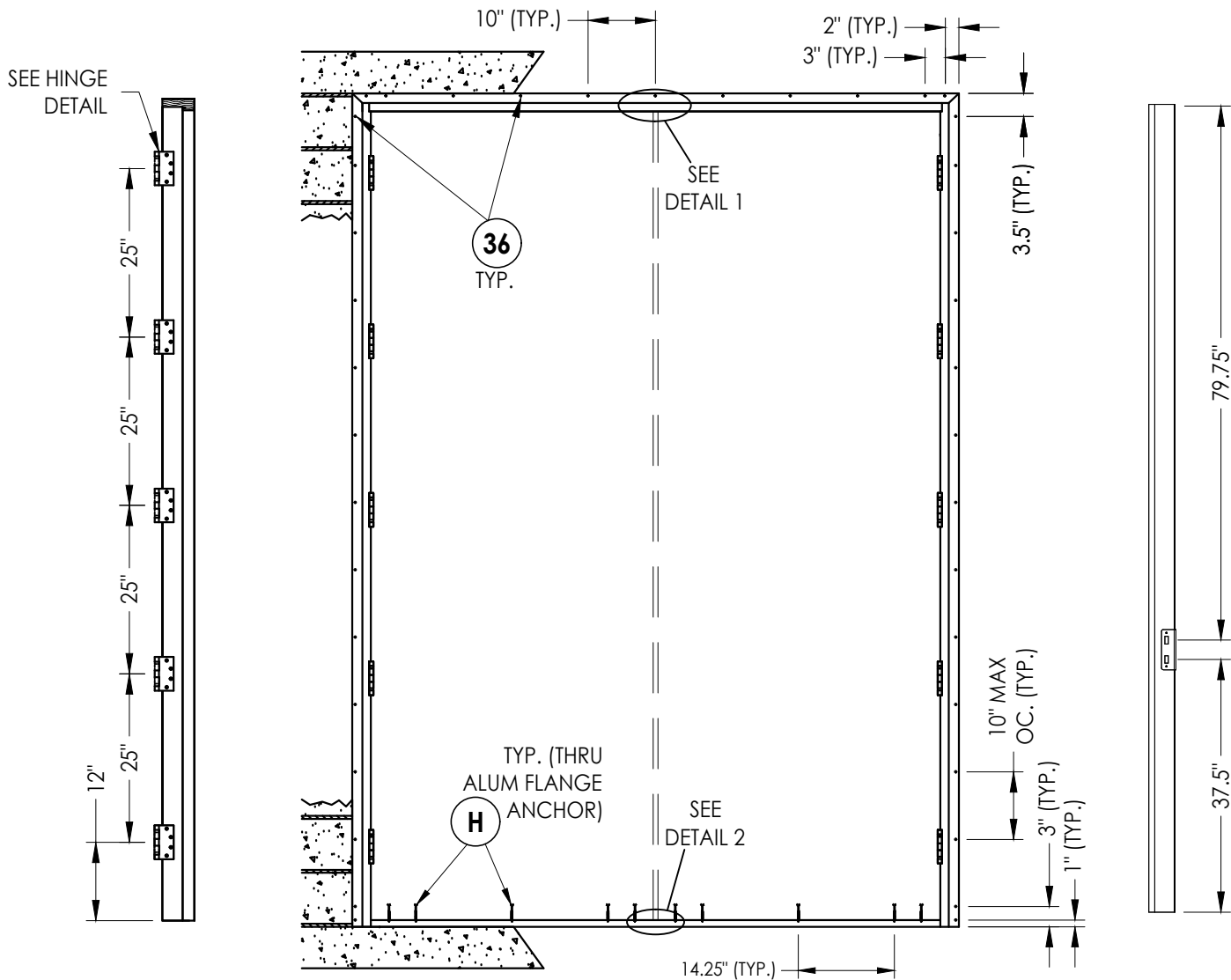
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FL-15737.18

SHEET 8 OF 10

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HINGE JAMB

FRAME ANCHORING
Flange

ASTRAGAL

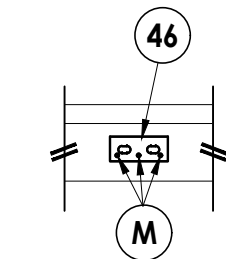
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- Concrete anchor table:

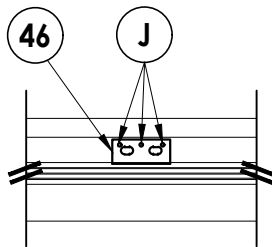
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DeWALT ULTRACON [®]	3/16"	1-3/4"	1"	1-1/8"
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	1/4"	1-1/4"	2"	4"

WOOD SCREW INSTALLATION NOTES:

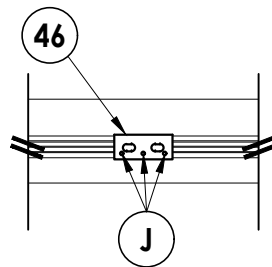
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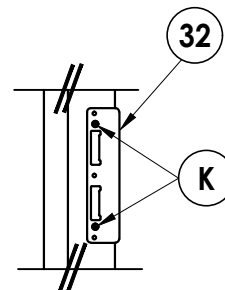
DETAIL 1
Shootbolt Strike Plate @ Head



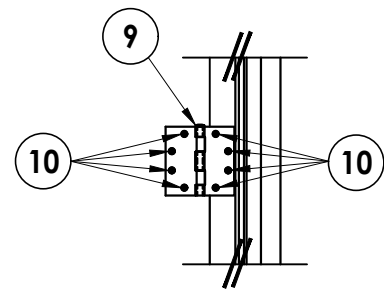
DETAIL 2
Shootbolt Strike Plate @ Sill Outswing



DETAIL 2
Shootbolt Strike Plate @ Sill Inswing



ASTRAGAL STRIKE DETAIL



HINGE JAMB DETAIL

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				LFS			
		4 9/22/26		UPDATE TO 9TH ED. (2026)		FBC	
		3 10/4/23		UPDATE TO 8TH ED. (2023)		FBC	
		2 9/16/20		UPDATE TO 7TH ED. (2020)		FBC	
		1 07/11/17		UPDATE TO 6TH ED. (2017)		FBC	
		NO. DATE				BY	
						REVISIONS	
DATE: 12/7/15							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15737.18							
SHEET 9 OF 10							

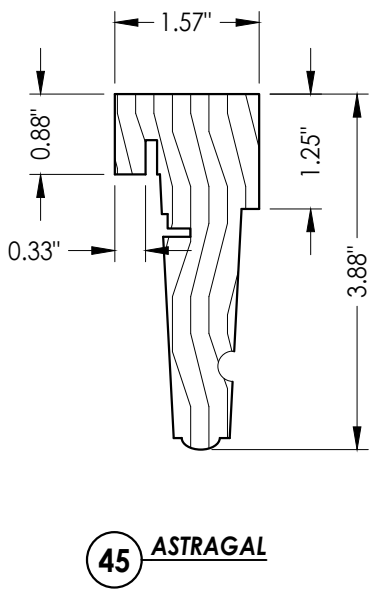
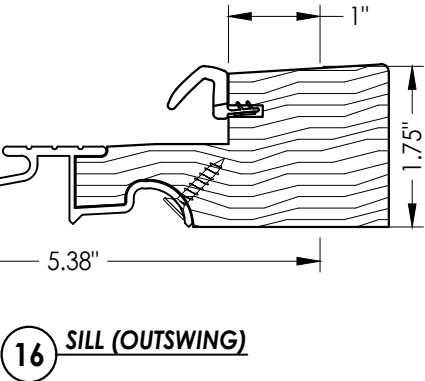
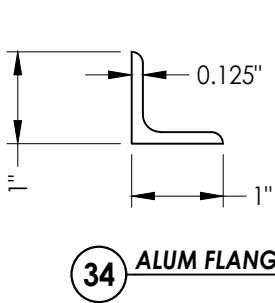
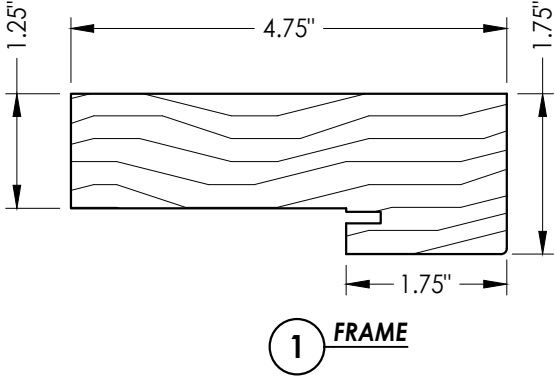
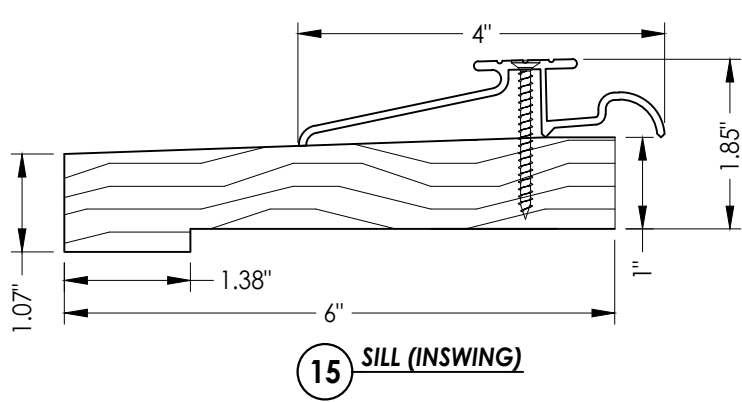
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P.E. No. 43409

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FBPE Registry No. 9813

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
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
H	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	3/16" PFH DeWALT CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
K	#8 X 3/4" PFH SMS	STEEL
L	#8 X 1-3/4" PFH SMS	STEEL
M	#10 X 2" PFH WOOD SCREW	STEEL
N	#6 X 1-1/2" SQ OVAL HEAD WOOD SCREW	STEEL
1	FRAME HEAD AND JAMB	WOOD
7	WEATHERSTRIP	VINYL
9	4.5" X 4.5" HINGE	STEEL
10	#12 X 1-1/4" PFH SMS	STEEL
15	SILL (INSWING)	ALUM/WOOD
16	SILL (OUTSWING)	ALUM/WOOD
32	MULTI-POINT LOCK STRIKE PLATE	STEEL
34	ALUMINUM FLANGE ANCHOR (6063-T5)	ALUM
35	ALUMINUM FLANGE ANCHOR (6063-T5)	ALUM
36	#8 X 2" FH DEEP THREAD WOOD SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
37	#8 X 1-1/4" PFH WOOD SCREW (1-1/8" MIN. EMBEDMENT)	STEEL
40	WOOD DOOR PANEL	WOOD
45	ASTRAGAL	WOOD
46	SHOOTBOLT STRIKE PLATE	STEEL
50	GLAZING SPACER (DESICCANT FILLED)	ST. STEEL

NOTE: DOOR COMPONENT WOOD (SG ≥ 0.54)

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

[illegible]

PRODUCT:	BRANNEN MILLWORK WOOD DOOR
PART OR ASSEMBLY:	BILL OF MATERIALS & COMPONENTS

Documents Prepared By:
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