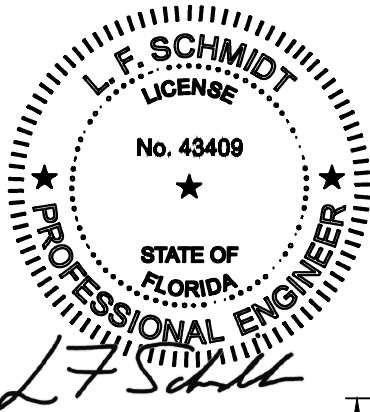


BRANNEN MILLWORK

3379 EAST HWY. 46
REGISTER, GEORGIA 30452

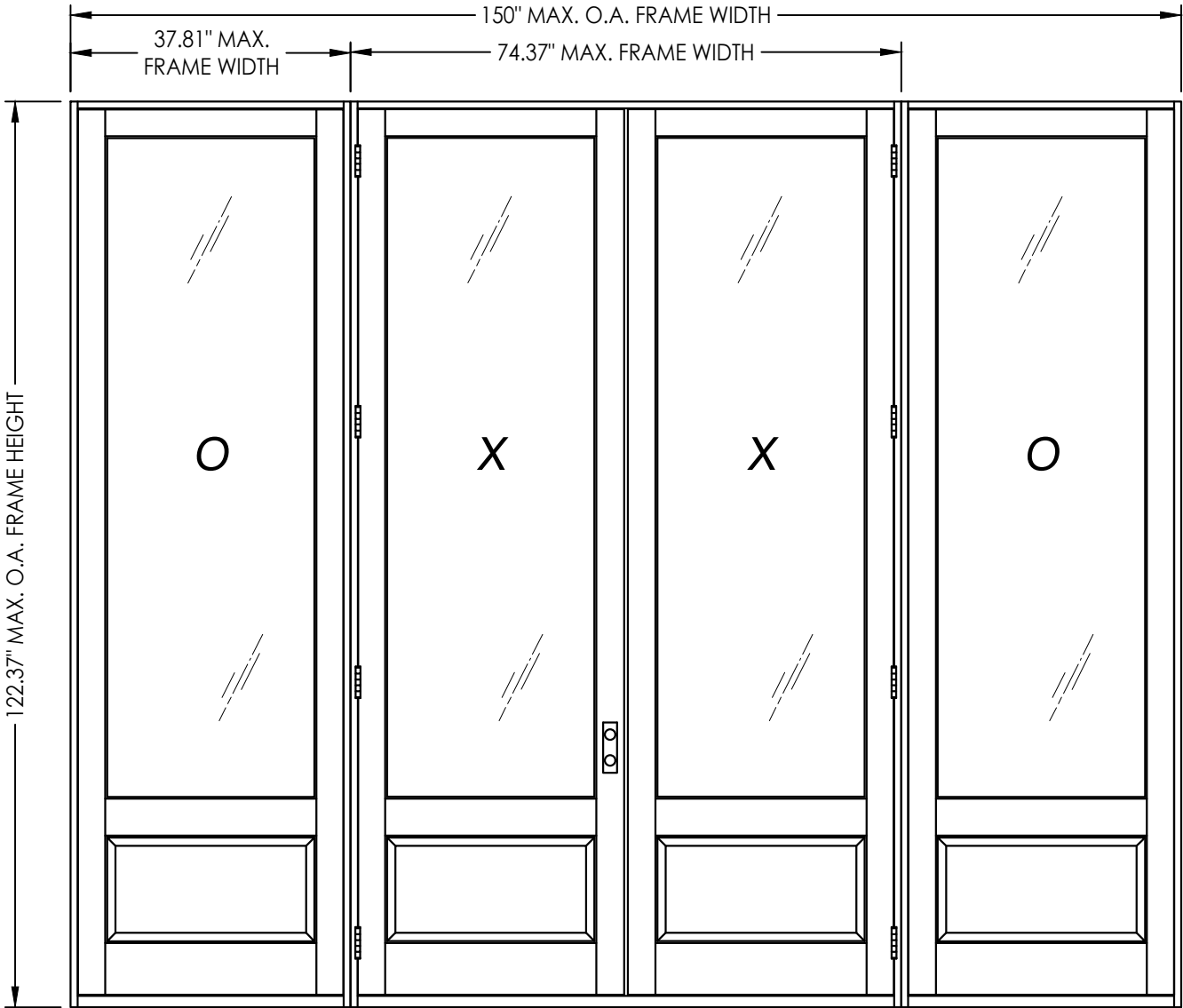
GLAZED & OPAQUE WOOD DOORS
INSWING/OUTSWING
"IMPACT"



Digitally signed by
Lyndon F Schmidt
Date: 2026.10.07
09:47:24 -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



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".
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 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 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	GLAZED DOOR PANEL SECTIONS AND GLAZING DETAIL
3	OPAQUE DOOR PANEL SECTIONS
4	HORIZONTAL CROSS SECTIONS
5	VERTICAL CROSS SECTIONS
6	VERTICAL CROSS SECTIONS
7	BUCK ANCHORING
8	FRAME ANCHORING
9	MULTI-POINT LOCK HARDWARE DETAILS
10	SURFACE BOLT HARDWARE DETAILS
11	HINGE & STRIKE HARDWARE DETAILS
12	COMPONENTS
13	BILL OF MATERIALS & COMPONENTS

LOCK TYPE	OVERALL FRAME DIMENSION	SWING	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
HOPPE HLS9000 SERIES MULTI-POINT LOCK	150.00" x 122.37"	INSWING	+55.0	-60.0
		OUTSWING	+55.0	-55.0
SURFACE BOLTS EUREKO-DECO (France or Louis V)	150.00" x 122.37"	INSWING	+55.0	-60.0

SEE SHEET 2 FOR GLAZING DETAIL DESIGN PRESSURE LIMITATIONS

PRODUCT:
GLAZED & OPAQUE
WOOD DOOR

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

5	9/22/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
4	10/4/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	07/11/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
1	08/10/15	UPDATE TO 5TH ED. (2014)	FBC	LFS
NO.	DATE	REVISIONS		

DATE: 6/25/12

SCALE: N.T.S.

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CHK. BY: LFS

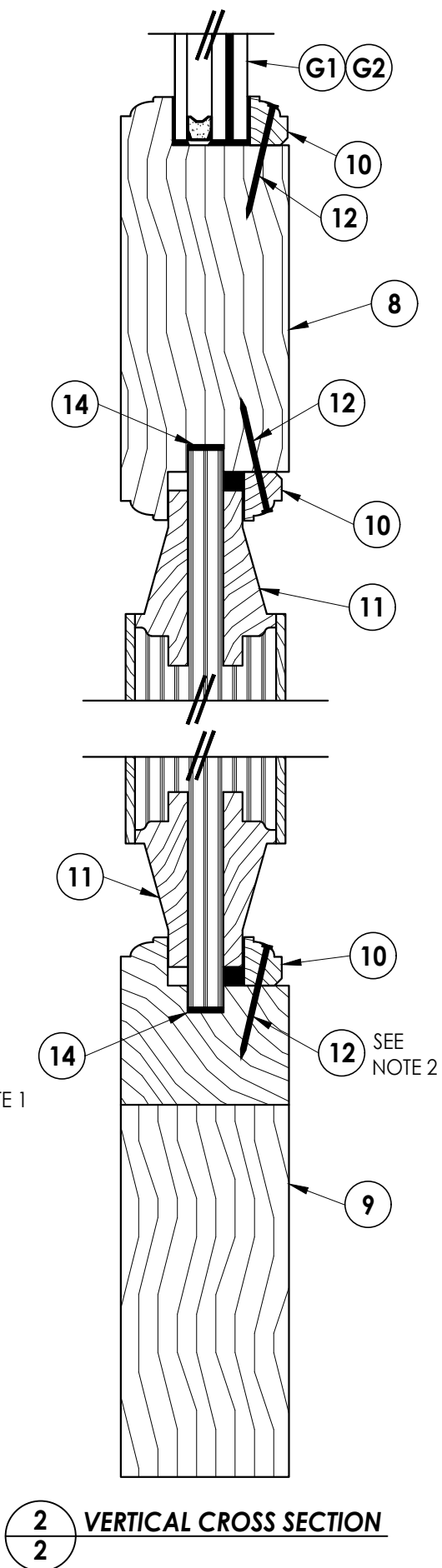
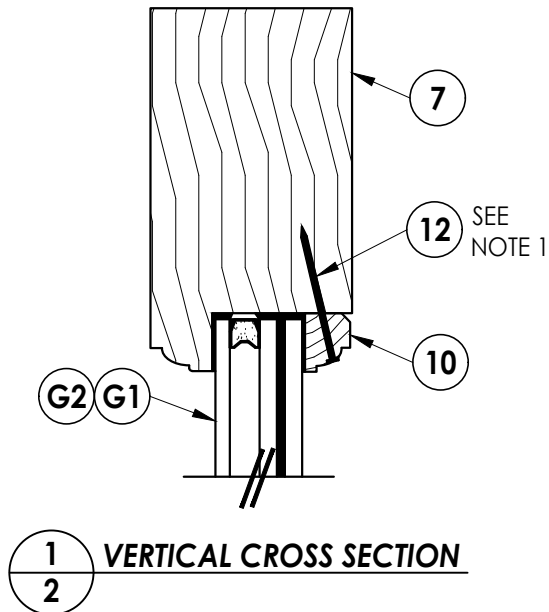
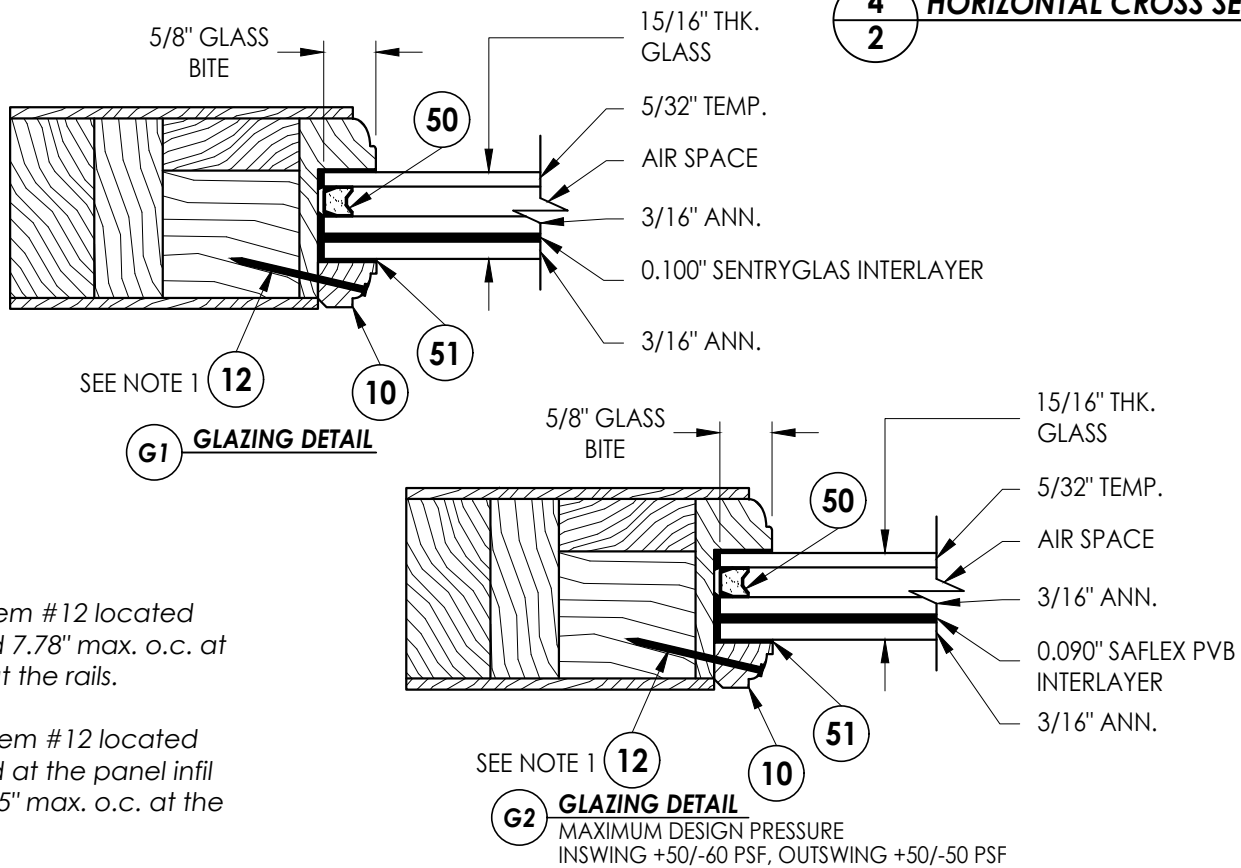
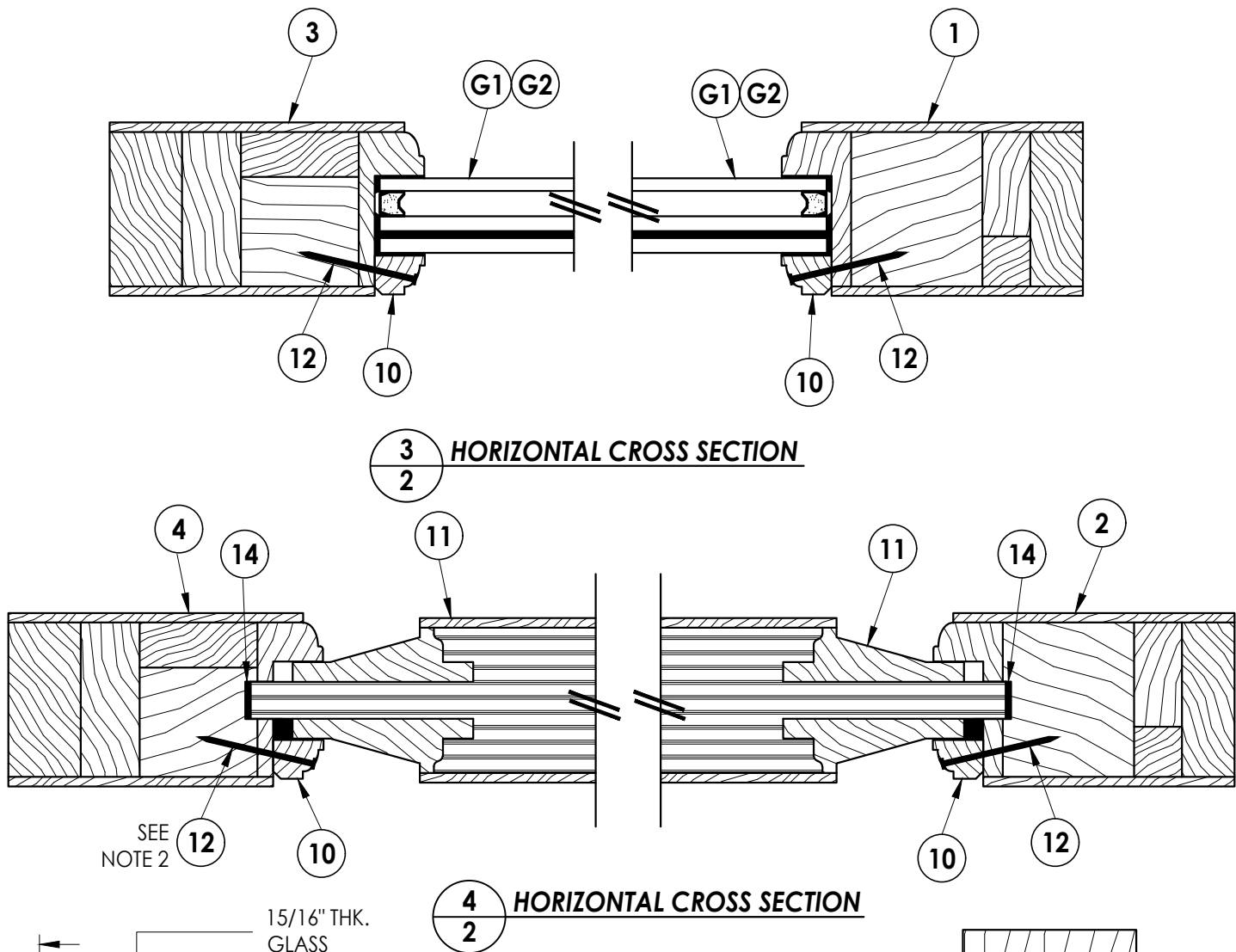
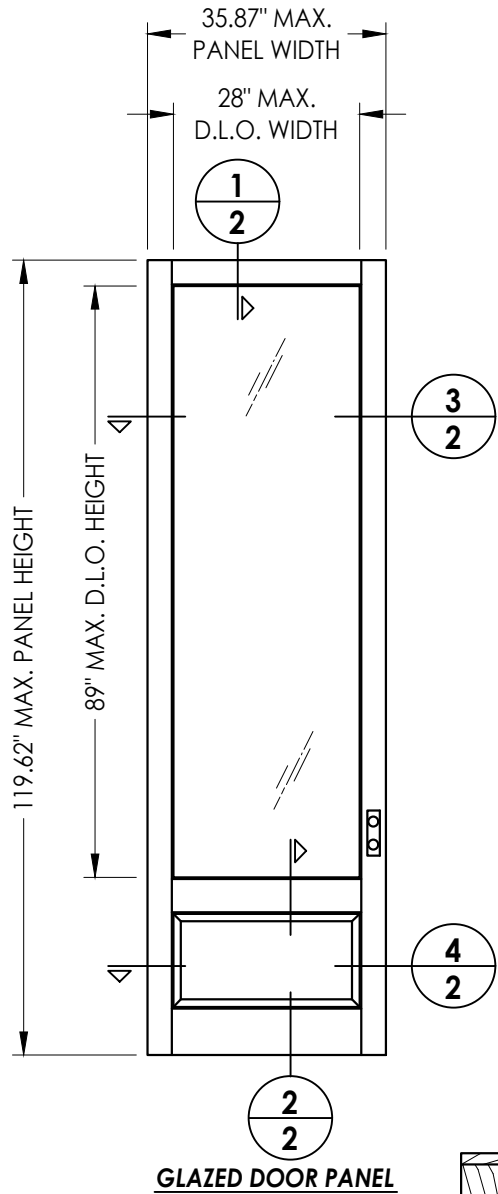
DRAWING NO.: FL-15737.14

SHEET 1 OF 13

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

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FBPE Registry No. 9813

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- NOTES**
- Glass infil stop anchorage: item #12 located typ. 2" from each corner and 7.78" max. o.c. at the stiles & 6.125" max. o.c. at the rails.
 - Panel infil stop anchorage: item #12 located typ. 2" from each corner and at the panel infil centerline at the stiles & 6.125" max. o.c. at the rails.

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PRODUCT:
GLAZED & OPAQUE
WOOD DOOR

PART OR ASSEMBLY:
GLAZED DOOR PANEL SECTIONS
AND GLAZING DETAIL

NO.	DATE	REVISIONS
5	9/22/26	UPDATE TO 9TH ED. (2026) FBC LFS
4	10/4/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	07/11/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	08/10/15	UPDATE TO 5TH ED. (2014) FBC LFS

DATE: 6/25/12

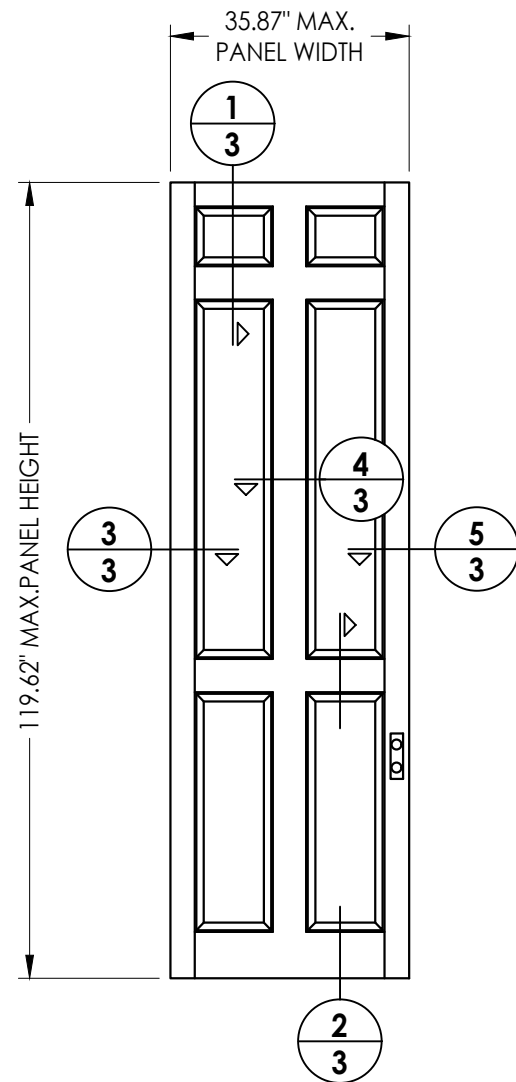
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DWG. BY: JK

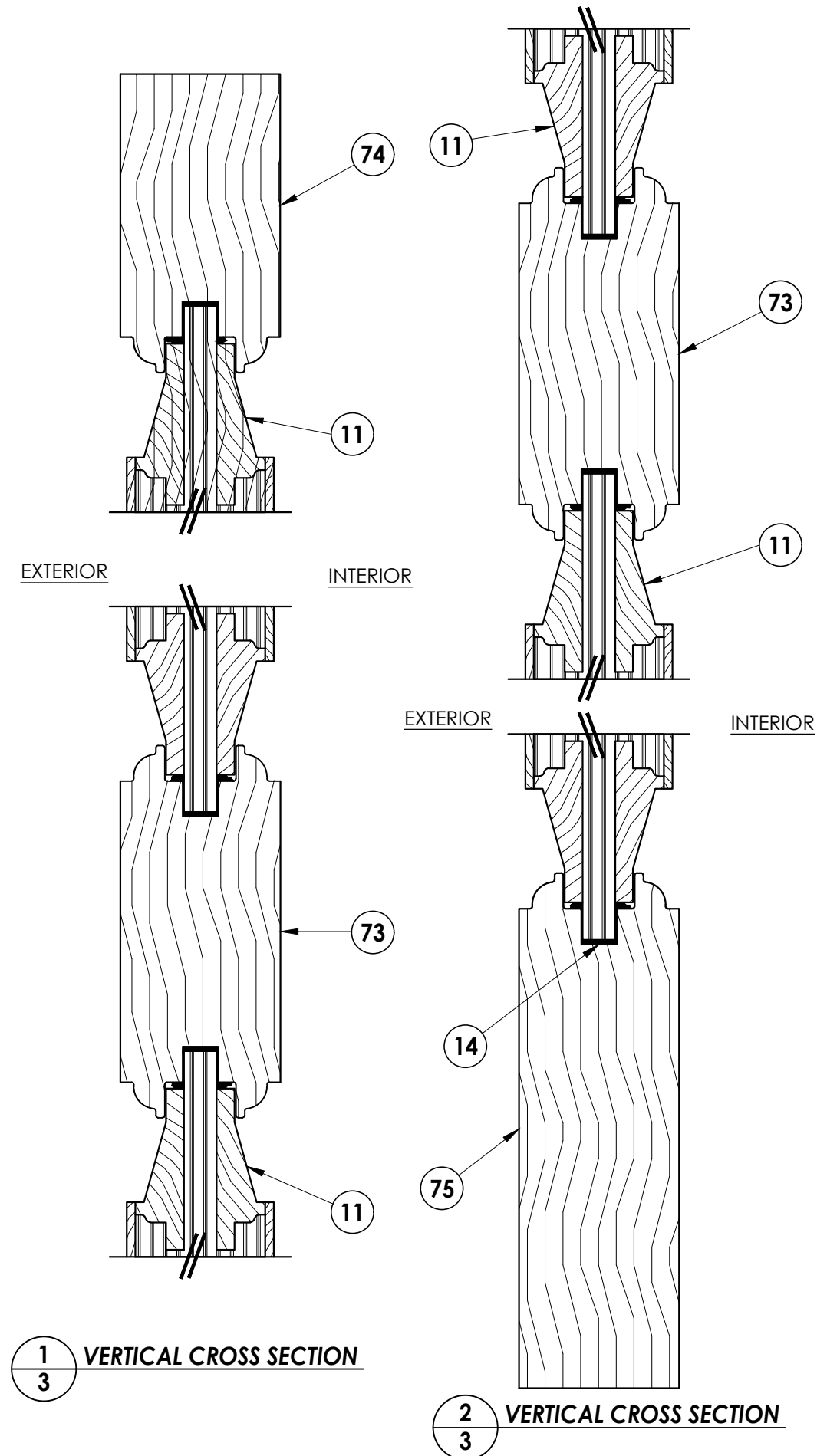
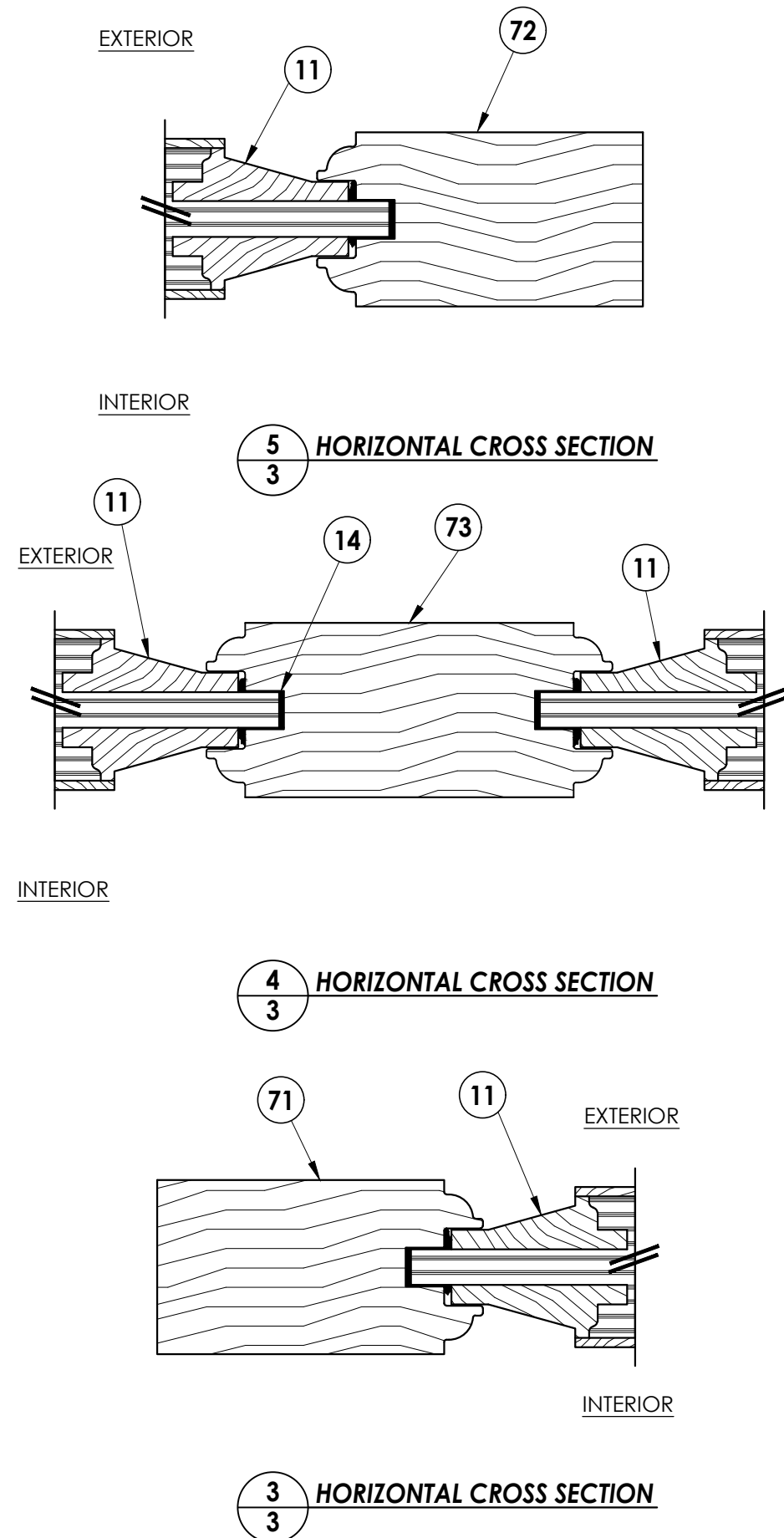
CHK. BY: LFS

DRAWING NO.: FL-15737.14

SHEET 2 OF 13



OPAQUE DOOR PANEL
Six panel model shown
Other models are available

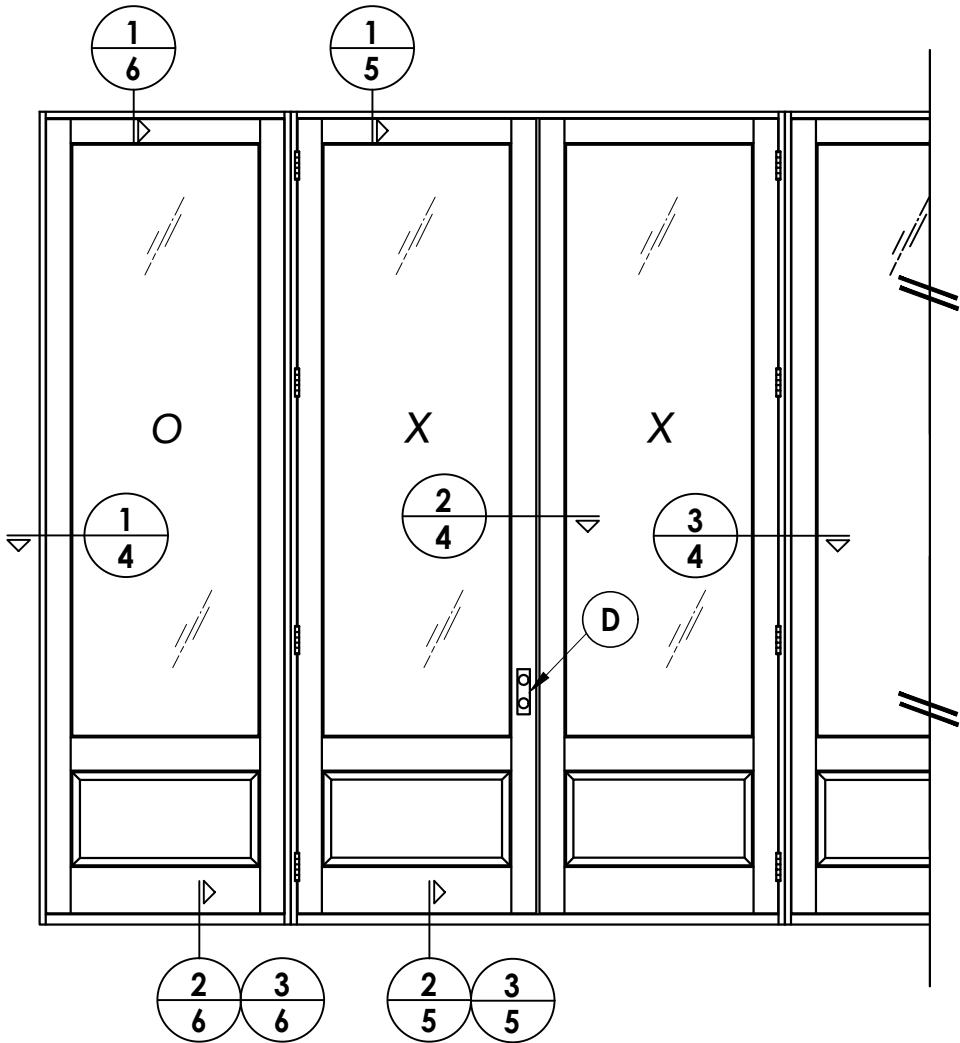
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PRODUCT:	OPAQUE & GLAZED WOOD DOOR
PART OR ASSEMBLY:	OPAQUE DOOR PANEL SECTIONS

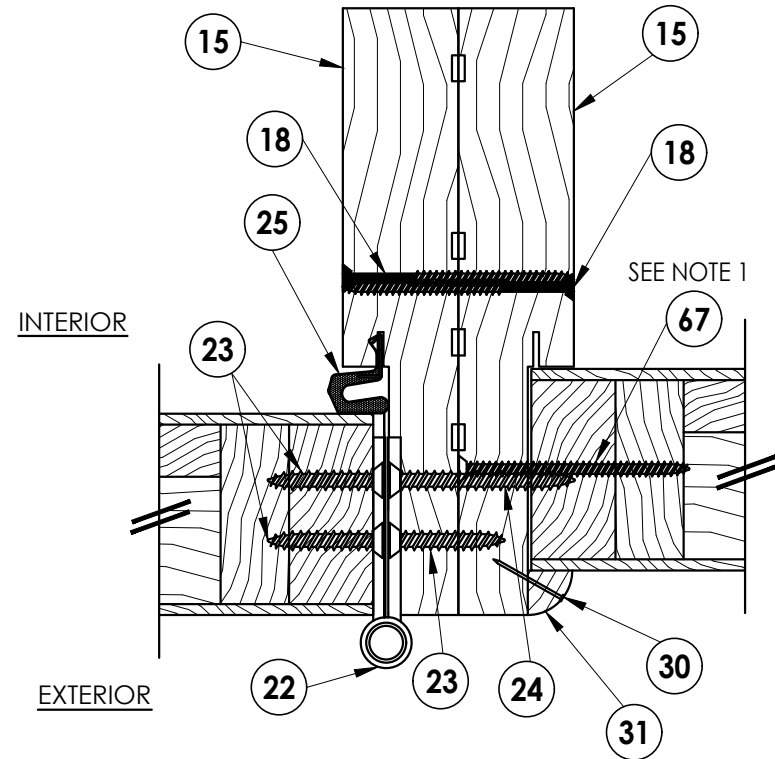
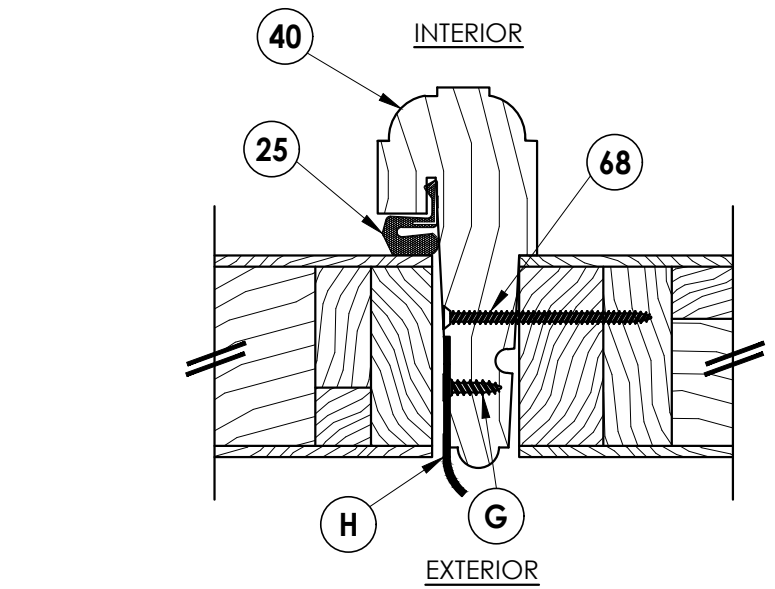
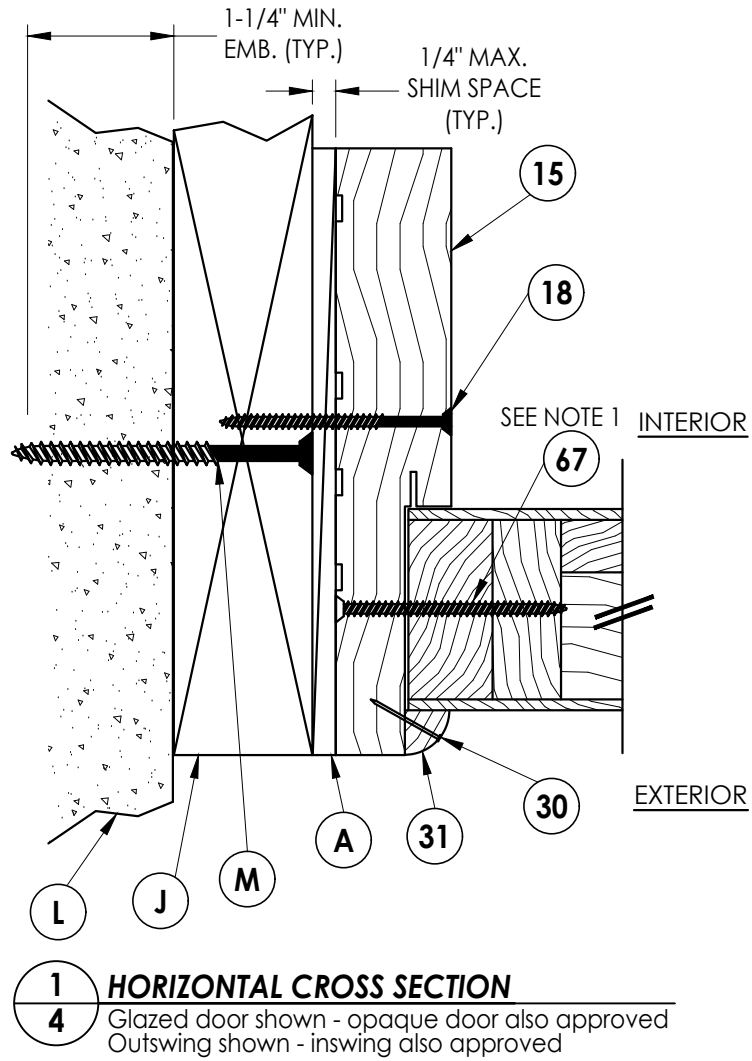
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NOTE
1. ITEM #67 LOCATED 6" FROM TOP OF FRAME & 13-1/2" MAX. O.C. (TYP.) (9 SCREWS TOTAL).



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PRODUCT:
GLAZED & OPAQUE
WOOD DOOR

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
5	9/22/26	UPDATE TO 9TH ED. (2026) FBC LFS
4	10/4/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	07/11/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	08/10/15	UPDATE TO 5TH ED. (2014) FBC LFS

DATE: 6/25/12

SCALE: N.T.S.

DWG. BY: JK

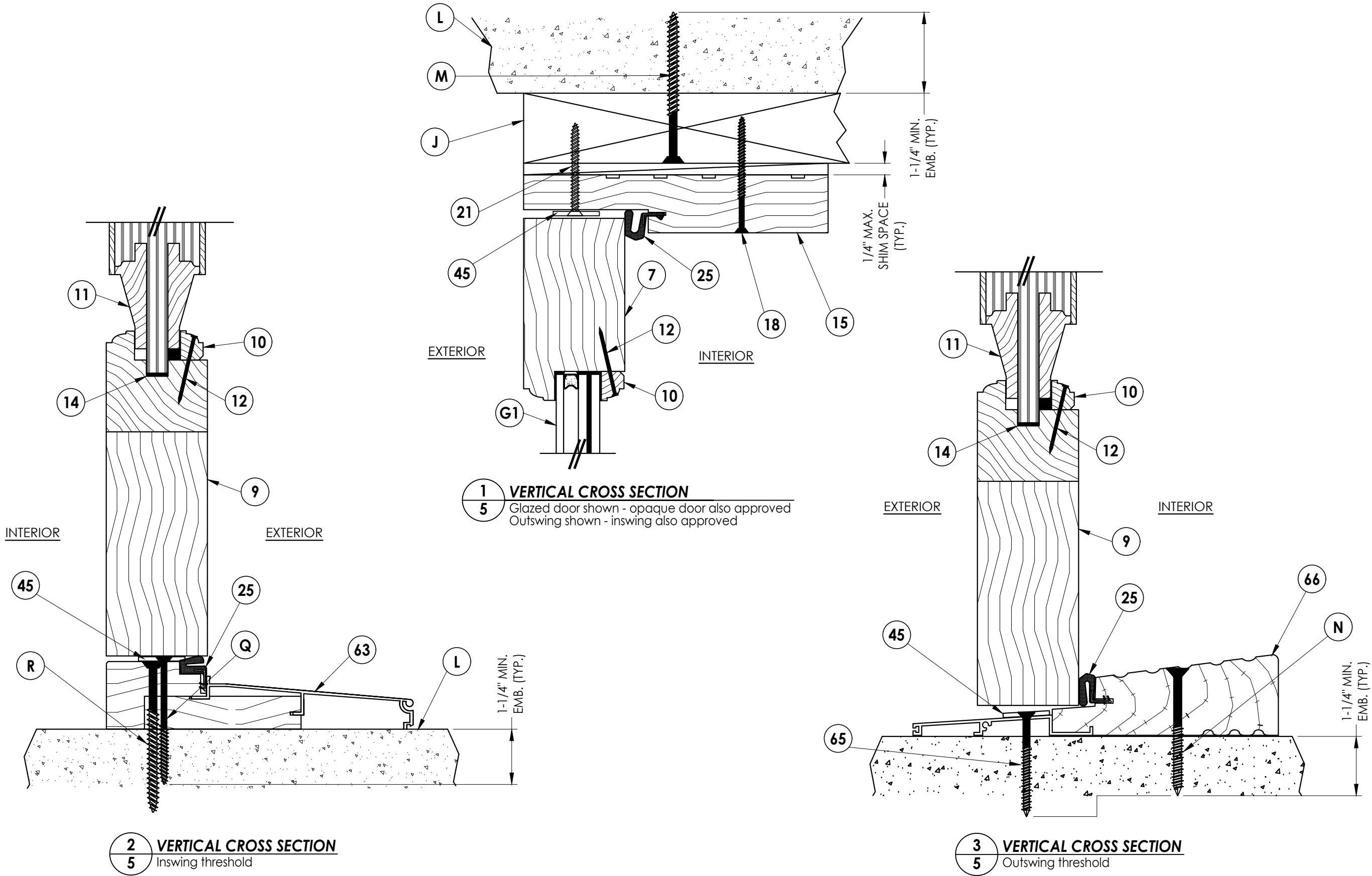
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DRAWING NO.:

FL-15737.14

SHEET 4 OF 13

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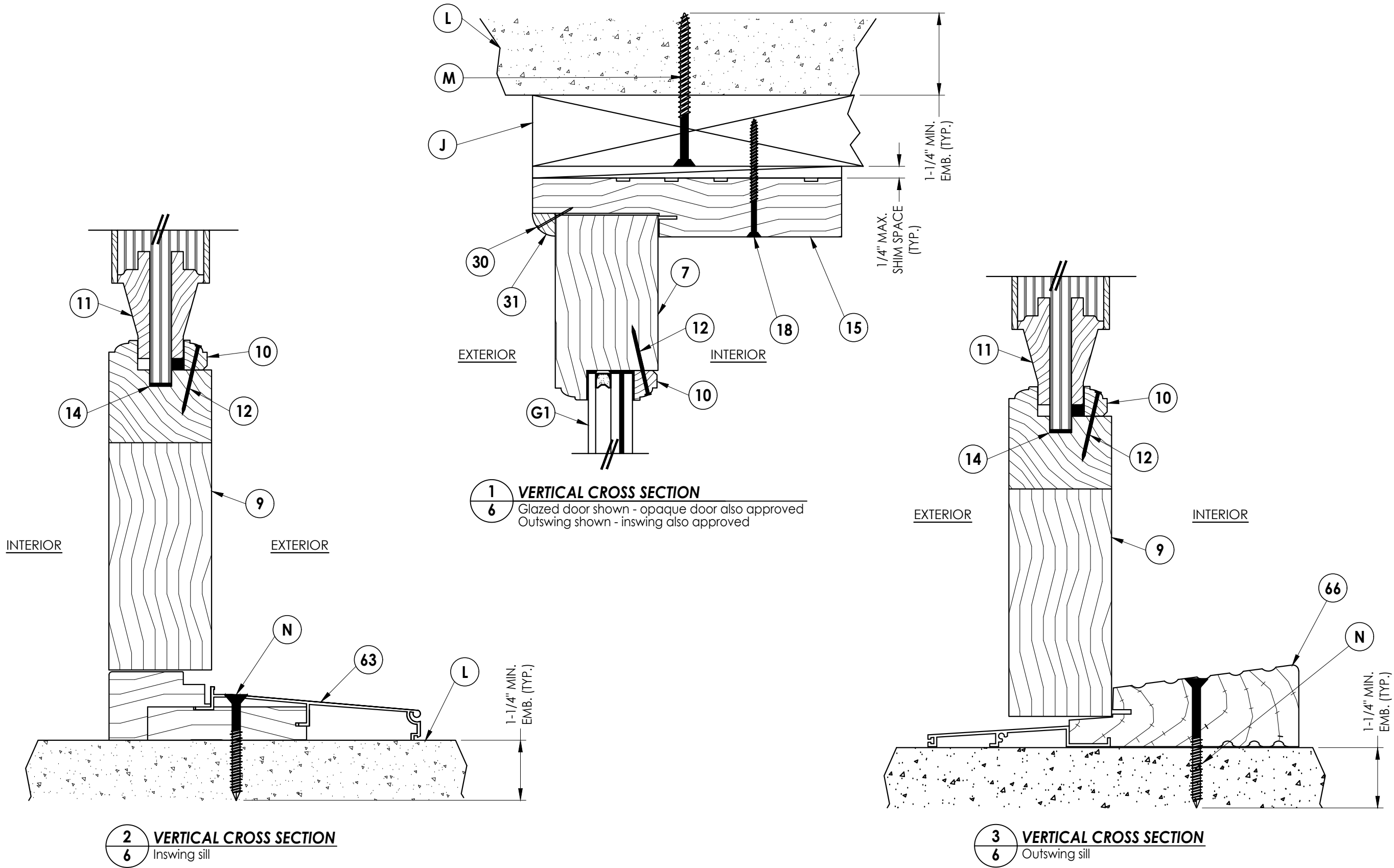


PRODUCT:		GLAZED & OPAQUE WOOD DOOR		PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
5	9/22/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
4	10/4/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
3	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS			
2	07/11/17	UPDATE TO 6TH ED. (2017)	FBC	LFS			
1	08/10/15	UPDATE TO 5TH ED. (2014)	FBC	LFS			
	NO.	DATE			BY		
REVISIONS							

DATE: 6/25/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15737.14
SHEET 5 OF 13

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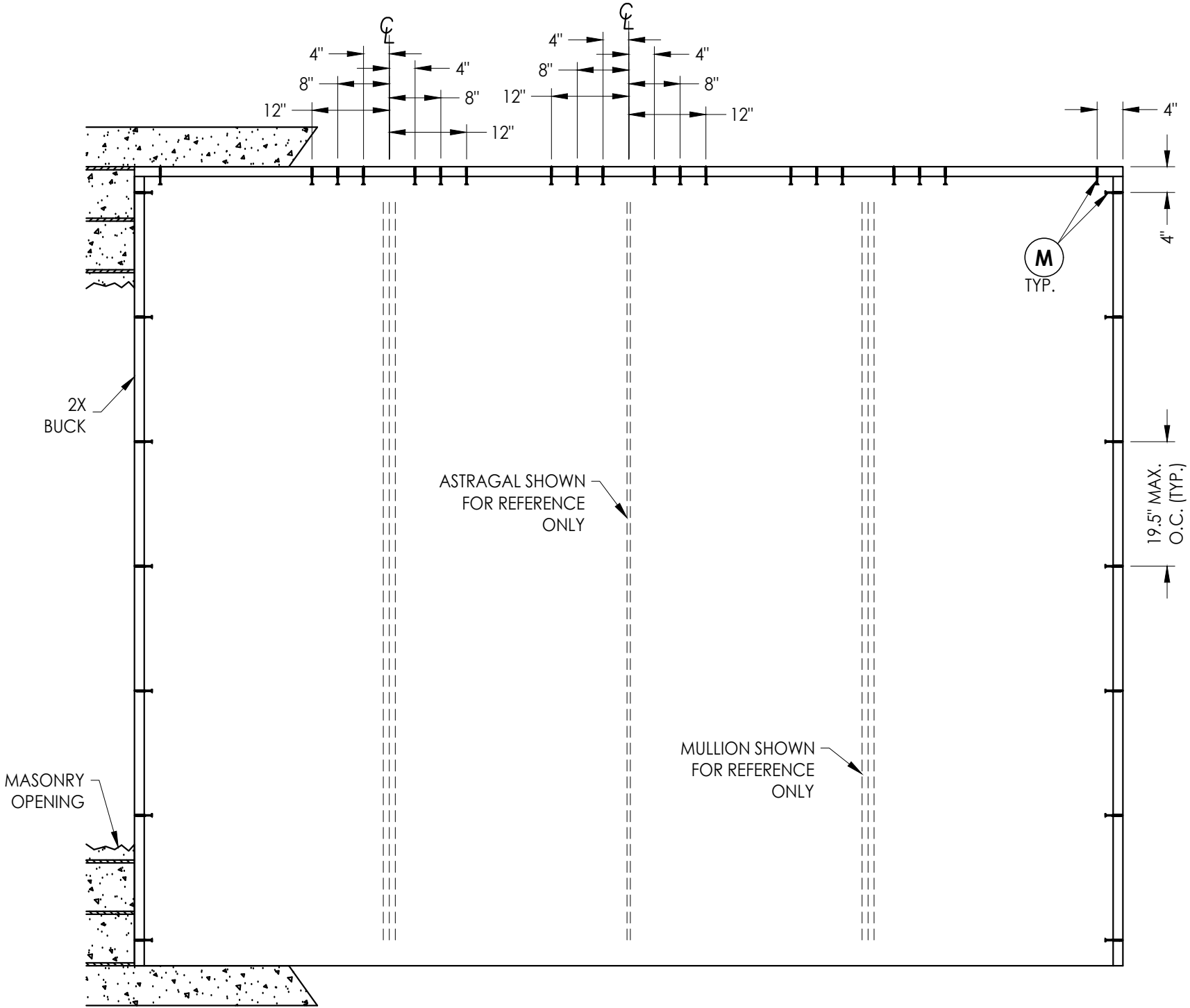
1
6 **VERTICAL CROSS SECTION**
Glazed door shown - opaque door also approved
Outswing shown - inswing also approved

2
6 **VERTICAL CROSS SECTION**
Inswing sill

3
6 **VERTICAL CROSS SECTION**
Outswing sill

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PRODUCT: GLAZED & OPAQUE WOOD DOOR				PART OR ASSEMBLY: VERTICAL CROSS SECTIONS			
5	9/22/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
4	10/4/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
3	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS			
2	07/11/17	UPDATE TO 6TH ED. (2017)	FBC	LFS			
1	08/10/15	UPDATE TO 5TH ED. (2014)	FBC	LFS			
NO.	DATE			BY			
				REVISIONS			
DATE: 6/25/12							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15737.14							
SHEET 6 OF 13							

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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®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	3"	4"
DeWALT ULTRACON+®	1/4"	1-1/4"	2-1/2"	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

GLAZED & OPAQUE
WOOD DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

9/22/26
5

UPDATE TO 9TH ED. (2026)

FBC

LFS

10/4/23
4

UPDATE TO 8TH ED. (2023)

FBC

LFS

9/16/20
3

UPDATE TO 7TH ED. (2020)

FBC

LFS

07/11/17
2

UPDATE TO 6TH ED. (2017)

FBC

LFS

08/10/15
1

UPDATE TO 5TH ED. (2014)

FBC

LFS

NO.

DATE

BY

REVISIONS

DATE: 6/25/12

SCALE: N.T.S.

DWG. BY: JK

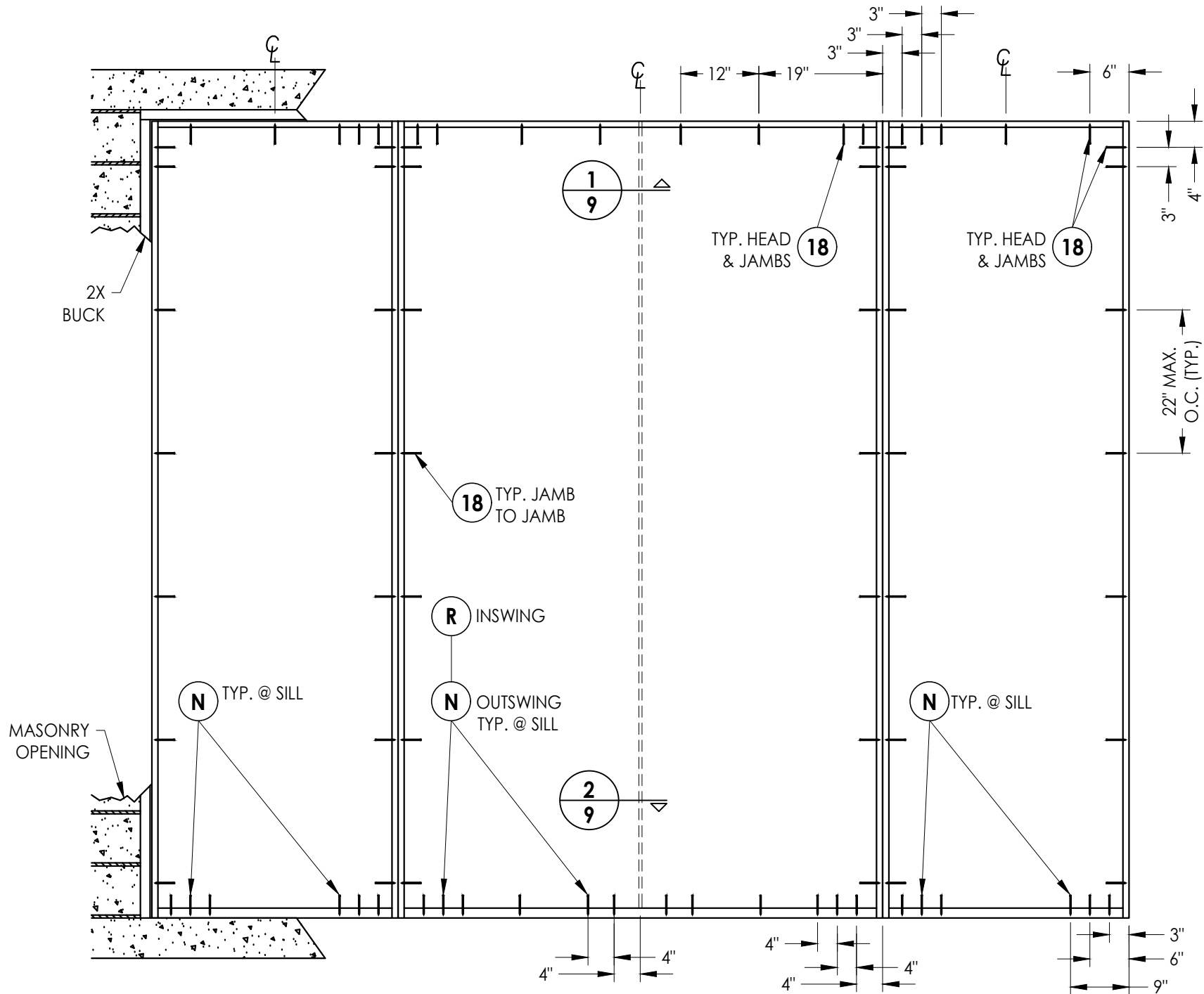
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DRAWING NO.: FL-15737.14

SHEET 7 OF 13

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FBPE Registry No. 9813

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CONCRETE ANCHOR NOTES:

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	1/4"	1-1/4"	3"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	2-1/2"	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.

FRAME ANCHORING

PRODUCT:	GLAZED & OPAQUE WOOD DOOR
	PART OR ASSEMBLY: FRAME ANCHORING

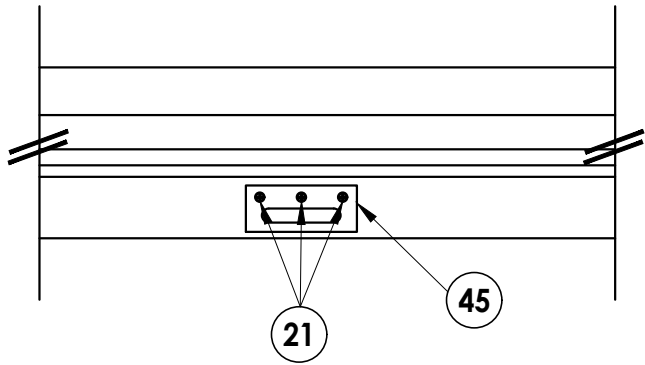
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		DATE	BY	DESCRIPTION	REVISIONS
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3	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
2	07/11/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	08/10/15	UPDATE TO 5TH ED. (2014)	FBC	LFS	

DATE:	6/25/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15737.14
SHEET	8 OF 13

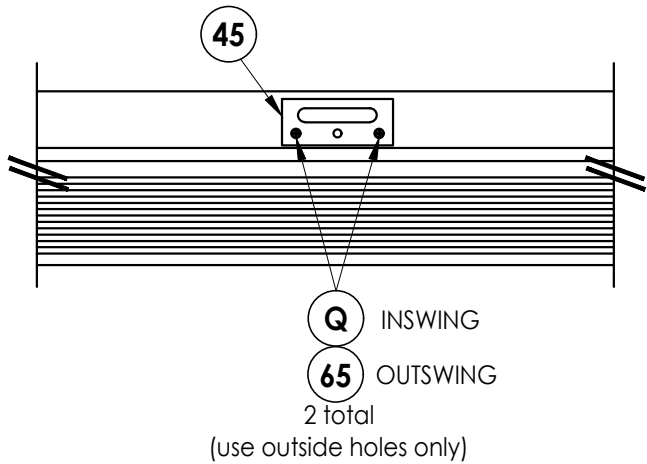
Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

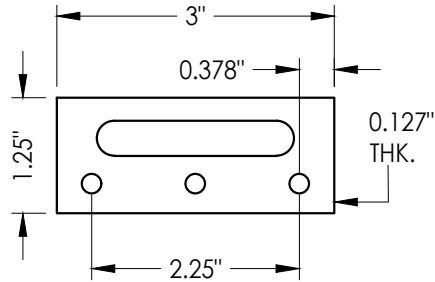
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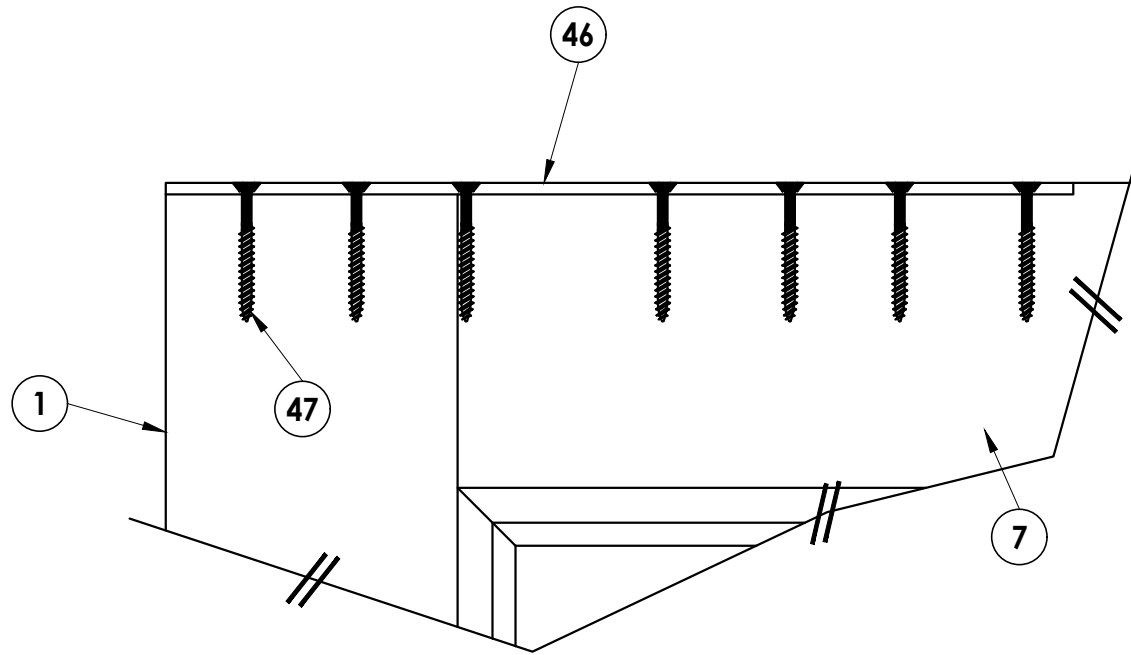
1 **MULTI-POINT STRIKE INSTALLATION**
9 View looking up @ head



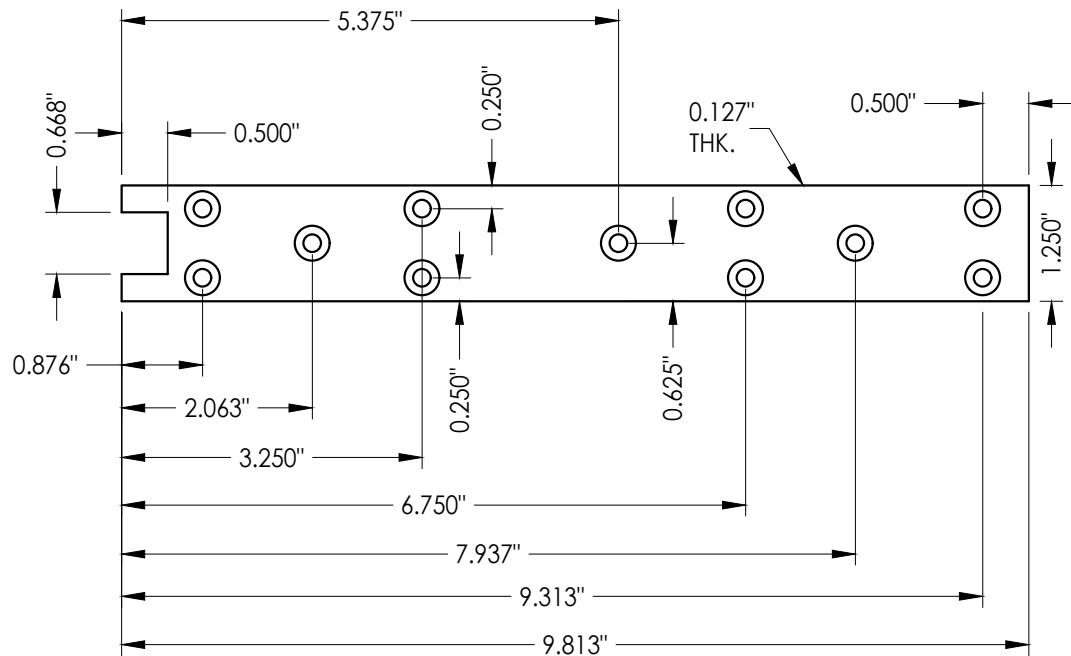
2 **MULTI-POINT STRIKE INSTALLATION**
9 View looking down @ sill



45 **MULTI-POINT STRIKE PLATE**
@ head & sill



DOOR REINF. FOR multi-point LOCK
Typical at top & bottom of door



46 **REINFORCEMENT PLATE**
Multi-point lock assy.

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
GLAZED & OPAQUE
WOOD DOOR

PART OR ASSEMBLY:
MULTI-POINT LOCK
HARDWARE DETAILS

NO.	DATE	REVISIONS
5	9/22/26	UPDATE TO 9TH ED. (2026) FBC LFS
4	10/4/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	07/11/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	08/10/15	UPDATE TO 5TH ED. (2014) FBC LFS

DATE: 6/25/12

SCALE: N.T.S.

DWG. BY: JK

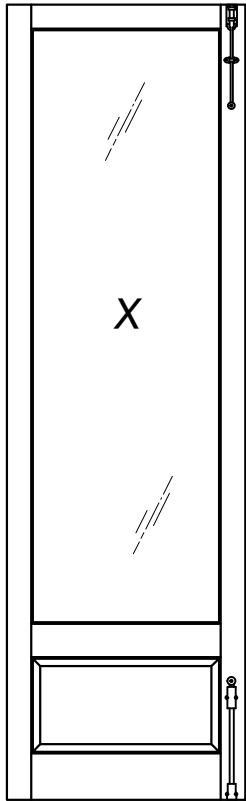
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DRAWING NO.:

FL-15737.14

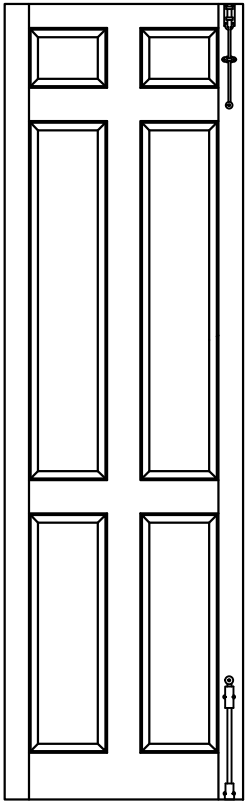
SHEET 9 OF 13

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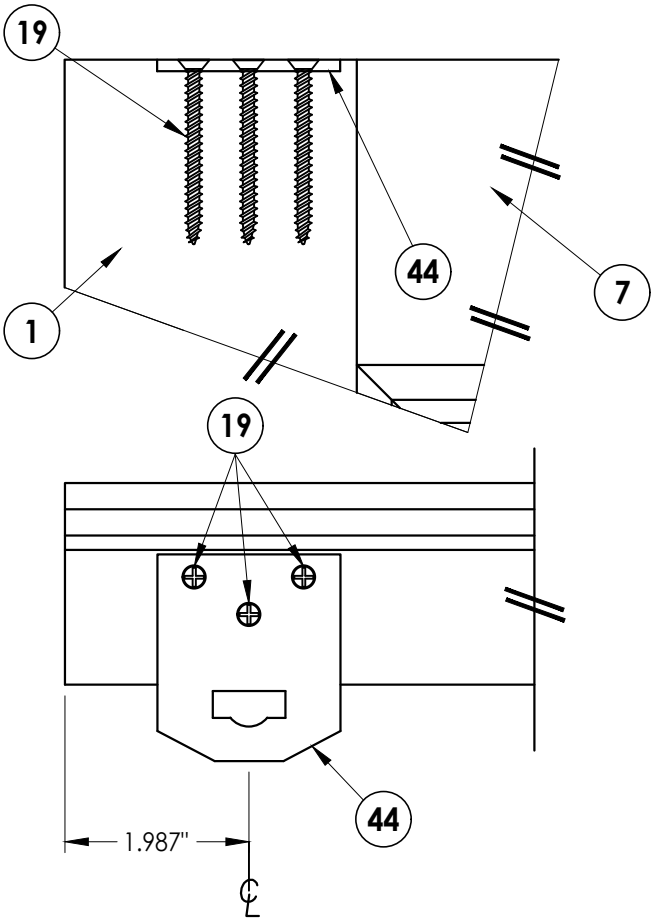
SURFACE BOLTS

When surface bolts are used,
the Hoppe multi-point lock is
not required

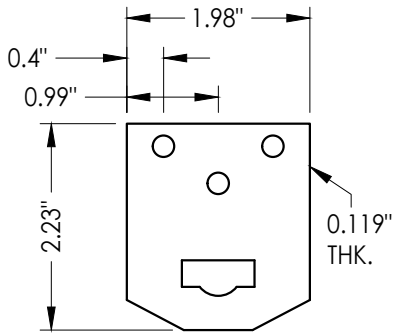


SURFACE BOLTS

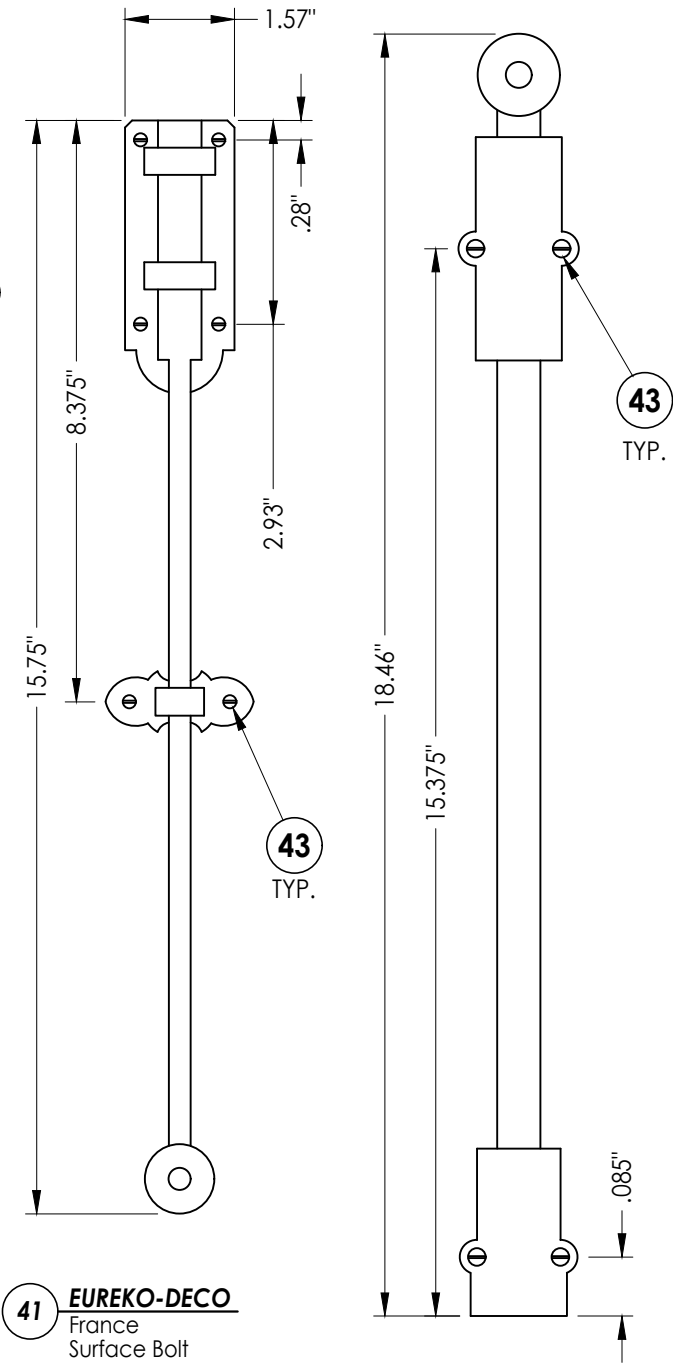
When surface bolts are used,
the Hoppe multi-point lock is
not required



**SURFACE BOLT STRIKE PLATE
ATTACHMENT TO PANEL DETAIL**
TYP. TOP & BOTTOM
OF DOOR PANELS

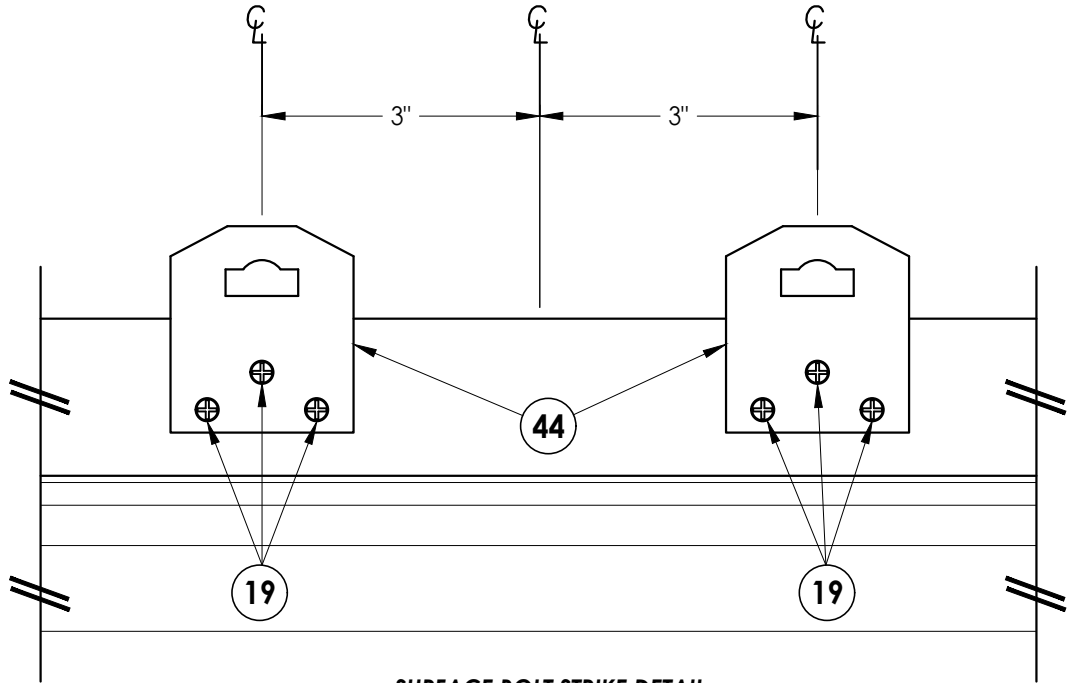


44 SURFACE BOLT STRIKE PLATE
@ Head & Sill
Typ. Panel & frame

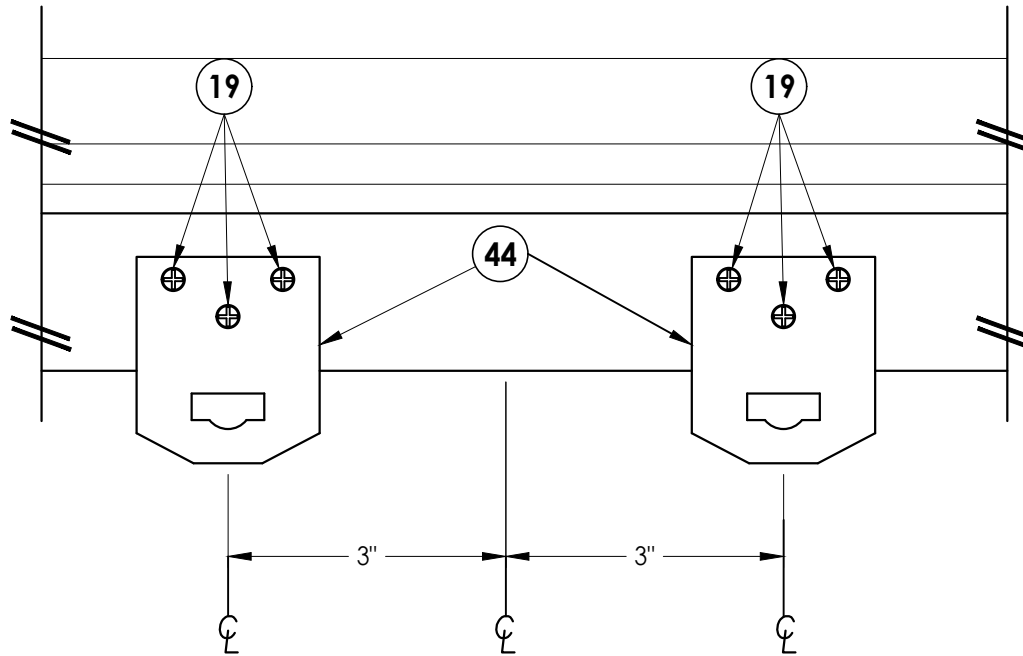


41 EUREKO-DECO
France
Surface Bolt

42 EUREKO-DECO
Louis V
Surface Bolt



SURFACE BOLT STRIKE DETAIL
Looking up @ Head



SURFACE BOLT STRIKE DETAIL
Looking Down @ Sill

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

PRODUCT:
GLAZED & OPAQUE
WOOD DOOR

PART OR ASSEMBLY:
SURFACE BOLT
HARDWARE DETAILS

NO.	DATE	REVISIONS
5	9/22/26	UPDATE TO 9TH ED. (2026) FBC LFS
4	10/4/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	07/11/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	08/10/15	UPDATE TO 5TH ED. (2014) FBC LFS

DATE: 6/25/12

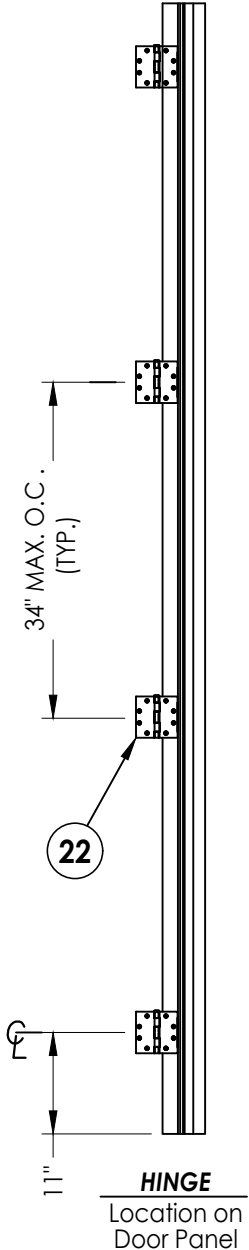
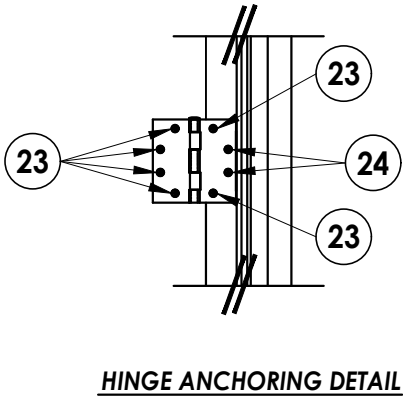
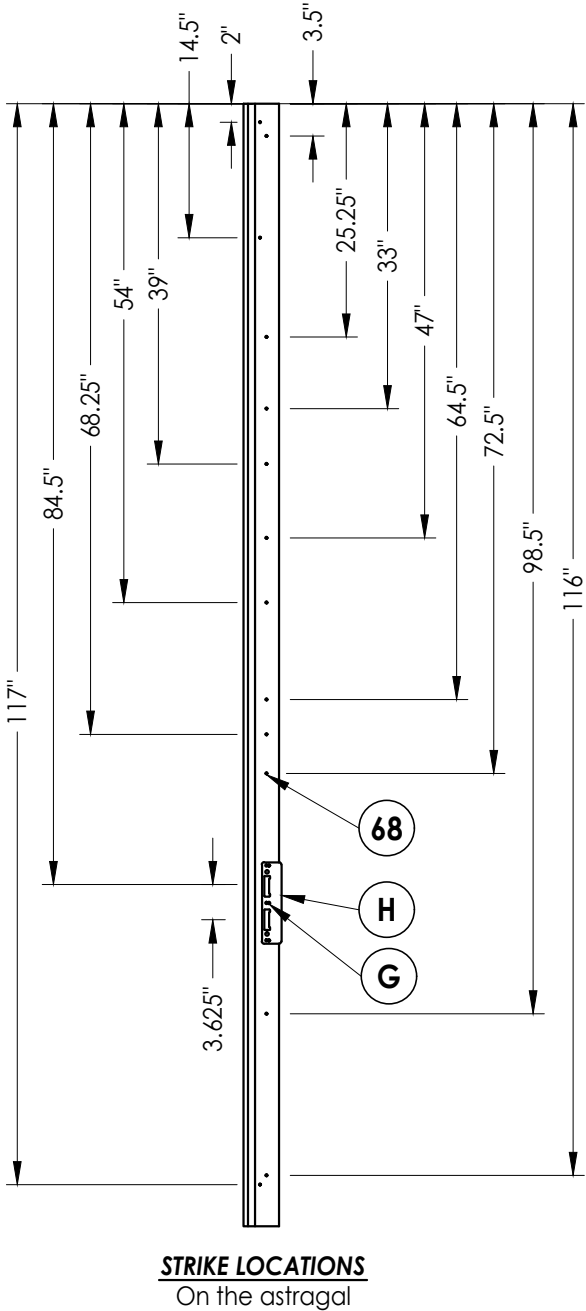
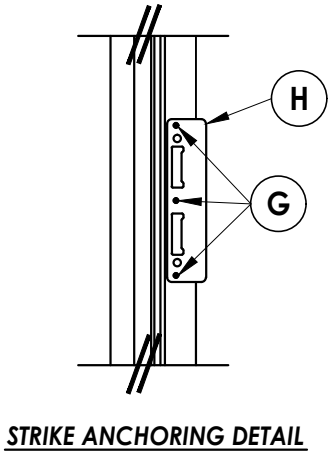
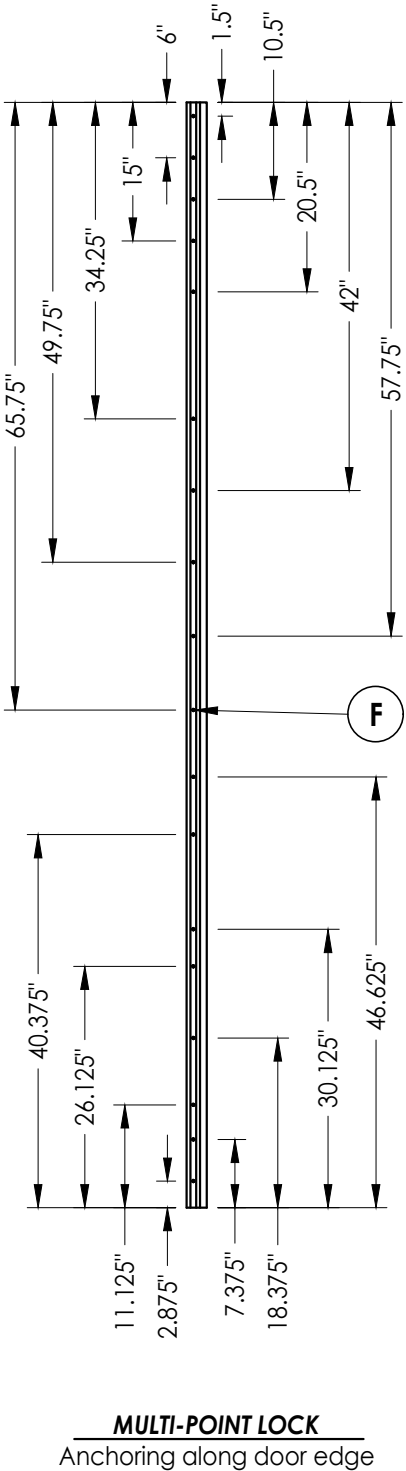
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15737.14

SHEET 10 OF 13



DATE:	6/25/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15737.14
SHEET	11 OF 13

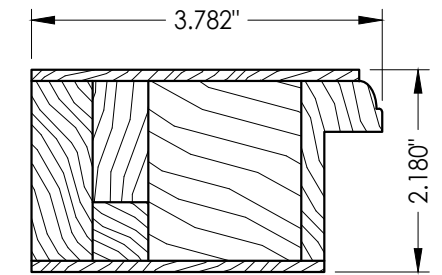
NO.	DATE	REVISIONS
5	9/22/26	UPDATE TO 9TH ED. (2026) FBC LFS
4	10/4/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	07/11/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	08/10/15	UPDATE TO 5TH ED. (2014) FBC LFS
NO.	DATE	BY

PRODUCT:	GLAZED & OPAQUE WOOD DOOR
PART OR ASSEMBLY:	HINGE & STRIKE HARDWARE DETAILS

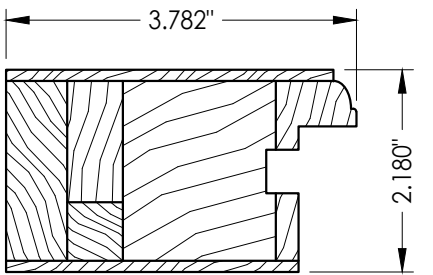
Documents Prepared By:
Lyndon F. Schmidt
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

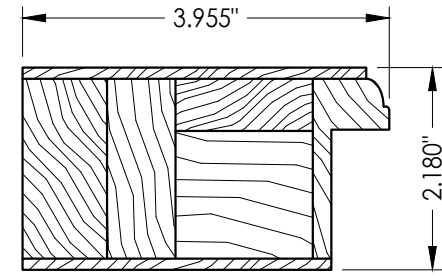
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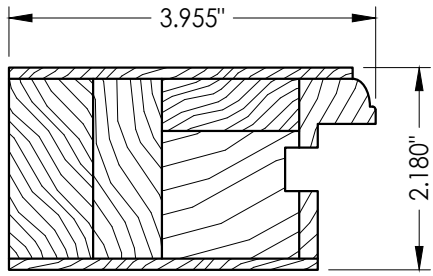
1 **LATCH STILE**
For glass infill



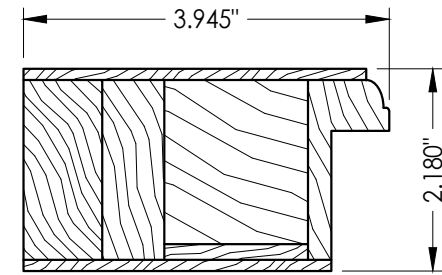
2 **LATCH STILE**
For panel infill



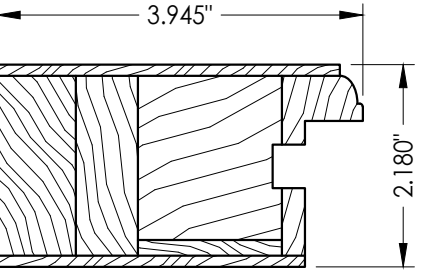
3 **HINGE STILE**
For glass infill



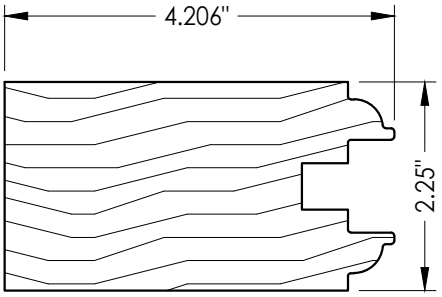
4 **HINGE STILE**
For panel infill



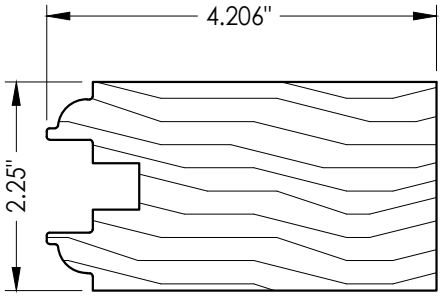
5 **ASTRAGAL STILE**
For glass



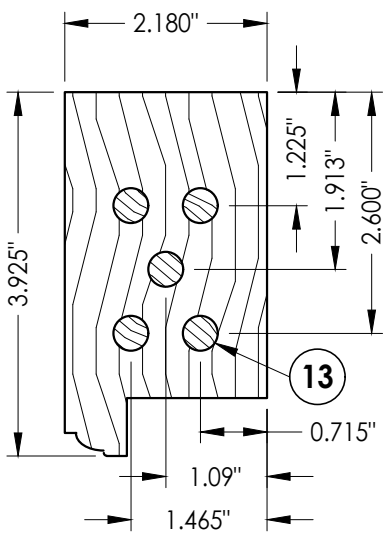
6 **ASTRAGAL STILE**
For panel insert



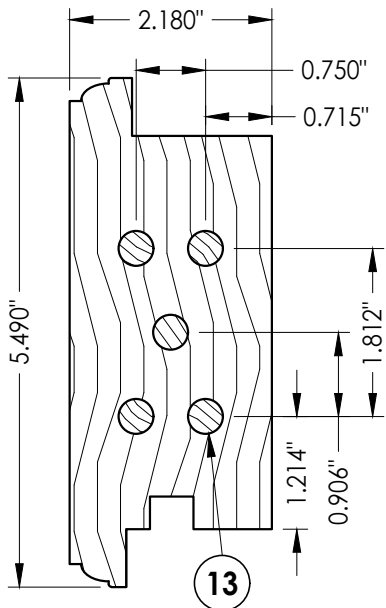
71 **LATCH STILE**
Opaque Door



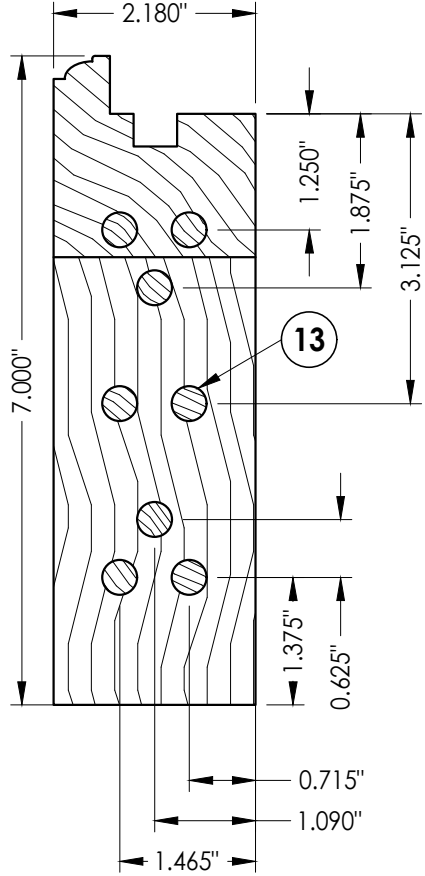
72 **HINGE STILE**
Opaque Door



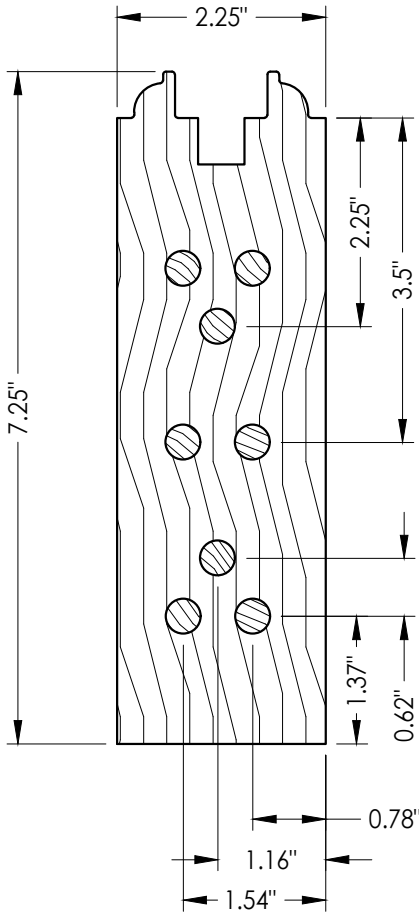
7 **TOP RAIL**
Glazed door



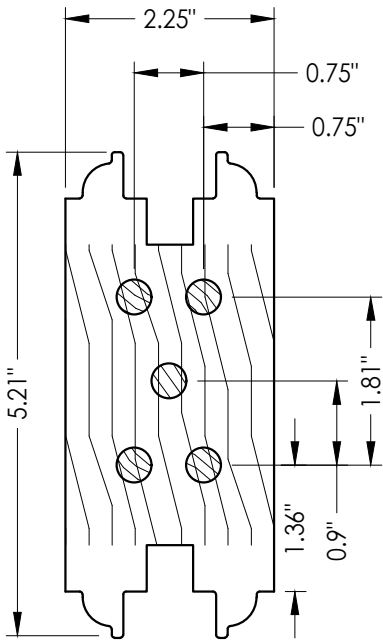
8 **MID RAIL**
Glazed door



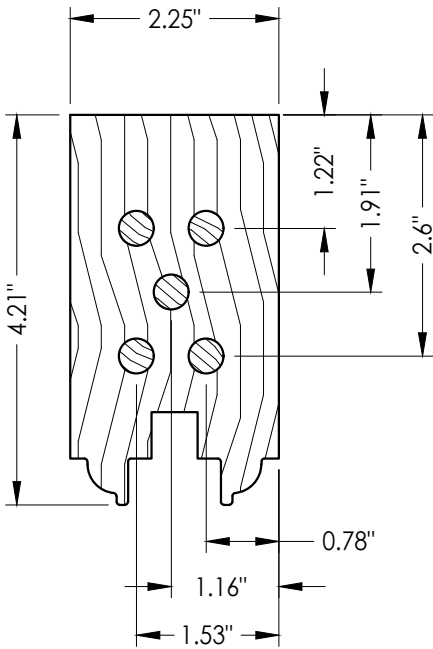
9 **BOTTOM RAIL**
Glazed door



75 **BOTTOM RAIL**
Opaque Door



73 **MID RAIL**
Opaque Door



74 **TOP RAIL**
Opaque Door

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FBPE Registry No. 9813

PRODUCT:
GLAZED & OPAQUE
WOOD DOOR

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
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1	08/10/15	UPDATE TO 5TH ED. (2014) FBC LFS

DATE: 6/25/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

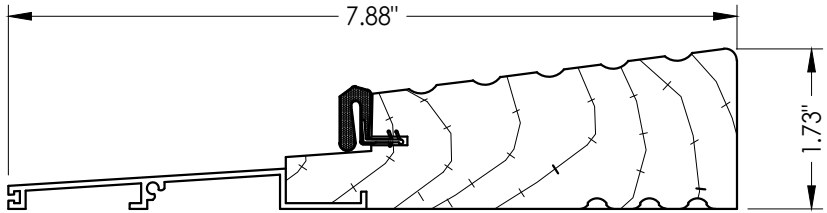
DRAWING NO.: FL-15737.14

SHEET 12 OF 13

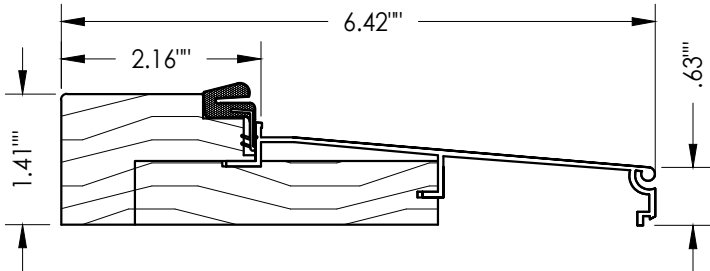
Z:\2023 FBC Drawings\Brannen Millwork\FL-15737 R6 Swing Doors\FL-15737.7-14.dwg

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	LATCH STILE FOR GLASS (SG >= 0.46)	WOOD
2	LATCH STILE FOR PANEL INFIL (SG >= 0.46)	WOOD
3	HINGE STILE FOR GLASS (SG >= 0.46)	WOOD
4	HINGE STILE FOR PANEL INFIL (SG >= 0.46)	WOOD
7	TOP RAIL (SG >= 0.46)	WOOD
8	MID RAIL (SG >= 0.46)	WOOD
9	BOTTOM RAIL (SG >= 0.46)	WOOD
10	GLASS & PANEL INFIL STOP (SG >= 0.46)	WOOD
11	PANEL INFIL (SG >= 0.46)	LVL/WOOD
12	.074" X 1-1/2" BRAD NAIL	STEEL
13	3/8"Ø X 2-3/4" DOWEL (SG >= 0.46)	WOOD
14	SEALANT	SILICONE
15	JAMB (SG >= 0.46)	WOOD
18	#8 X 2-1/2" WOOD SCREW (1.15" MIN. EMBEDMENT w/ 0.15" C'-SINK)	STEEL
19	#10 X 1-1/2" PFH SMS	STEEL
21	#10 X 2-1/2" PFH SMS	STEEL
22	4-1/2" HINGE	BRASS
23	#12 X 1-1/4" PFH SMS	STEEL
24	#12 X 2" PFH SMS	STEEL
25	WEATHERSTRIP	FOAM
40	ASTRAGAL (SG >= 0.46)	WOOD
41	EUREKO-DECO FRANCE SURFACE BOLT	STEEL
42	EUREKO-DECO LOUIS V SURFACE BOLT	STEEL
43	#7 X 1-3/4" PFH SMS	STEEL
44	SURFACE BOLT STRIKE PLATE @ HEAD & SILL	ST. STEEL
45	STRIKE PLATE @ HEAD & SILL	ST. STEEL
46	REINFORCEMENT PLATE	ST. STEEL
47	#8 X 1-1/2" SFH SMS	ST. STEEL
50	GLAZING SPACER (DESICCANT FILLED)	ST. STEEL
51	GLAZING COMPOUND DOW #1199	SILICONE
63	INSWING SADDLE THRESHOLD	OAK/ALUM
65	3/16" x 2-1/4" ITW PFH CONCRETE SCREW	STEEL
66	OUTSWING HIGH DAM THRESHOLD	OAK/ALUM
68	#6 x 1-1/2" SQ. DRIVE FLAT HEAD SCREW	STEEL
71	LATCH STILE FOR OPAQUE DOOR (SG >= 0.46)	WOOD
72	HINGE STILE FOR OPAQUE DOOR (SG >= 0.46)	WOOD
73	MID RAIL OPAQUE DOOR (SG >= 0.46)	WOOD
74	TOP RAIL OPAQUE DOOR (SG >= 0.46)	WOOD
75	BOTTOM RAIL OPAQUE DOOR (SG >= 0.46)	WOOD
76	#8 X 3" PFH WOOD SCREW	STEEL

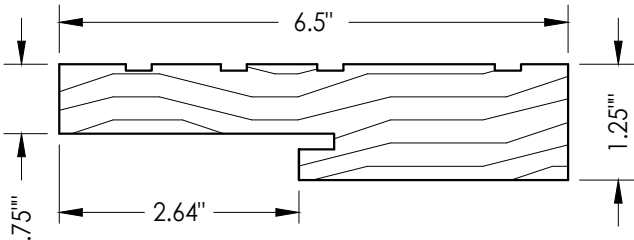
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1/4" MAX. SHIM SPACE	WOOD
D	MULTI-POINT HOPPE HLS9000 MANUAL SHOOTBOLT GEAR SYSTEM	STEEL
F	#7 X 1-3/4" PFH SMS	ST. STEEL
G	#8 X 5/8" PFH SMS	STEEL
H	LOCK STRIKE PLATE (0.100" THK.)	BRASS
J	2X BUCK (SG >= 0.55)	WOOD
L	MASONRY - 3,000 PSI CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90.	CONCRETE
M	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
N	1/4" X 2-3/4" ITW PFH CONCRETE SCREW	STEEL
Q	3/16" X 3-1/4" ITW PFH CONCRETE SCREW	STEEL
R	1/4" X 3-1/4" ITW PFH CONCRETE SCREW	STEEL



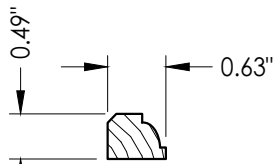
66 OUTSWING HIGH DAM THRESHOLD
By Brannen Millworks



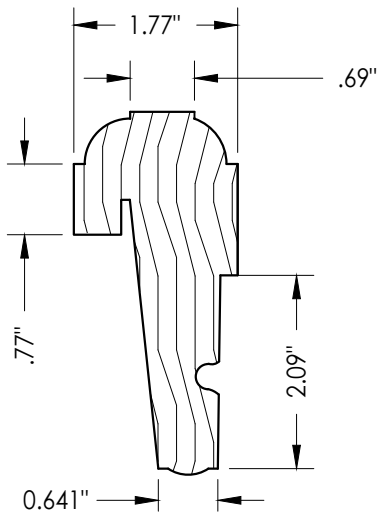
63 INSWING SADDLE THRESHOLD
By Brannen Millworks



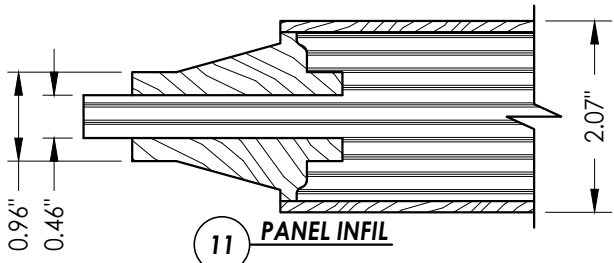
15 HEAD & SIDE JAMB



10 GLASS & PANEL INFIL STOP



40 ASTRAGAL



11 PANEL INFIL

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.

Documents Prepared By:
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PRODUCT: GLAZED & OPAQUE
WOOD DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

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DATE: 6/25/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15737.14

SHEET 13 OF 13