

BRANNEN MILLWORK

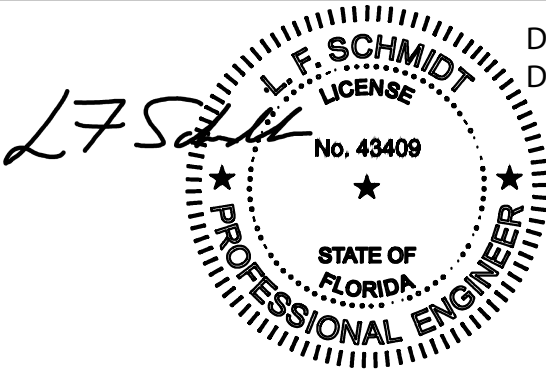
3379 EAST HWY. 46
REGISTER, GEORGIA 30452

EURO FRAME
GLAZED & OPAQUE WOOD DOORS
INSWING/OUTSWING
"IMPACT"

GENERAL NOTES

- 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".
- 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 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- 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	Buck and Frame Anchoring - Rectangular Door
7	Buck Anchoring - Radius Top Door
8	Frame Anchoring - Radius Top Door
9	Multi-point Lock Hardware Details
10	Hardware Details
11	Surface Bolt Hardware Details
12	Components
13	Bill of Materials & Components

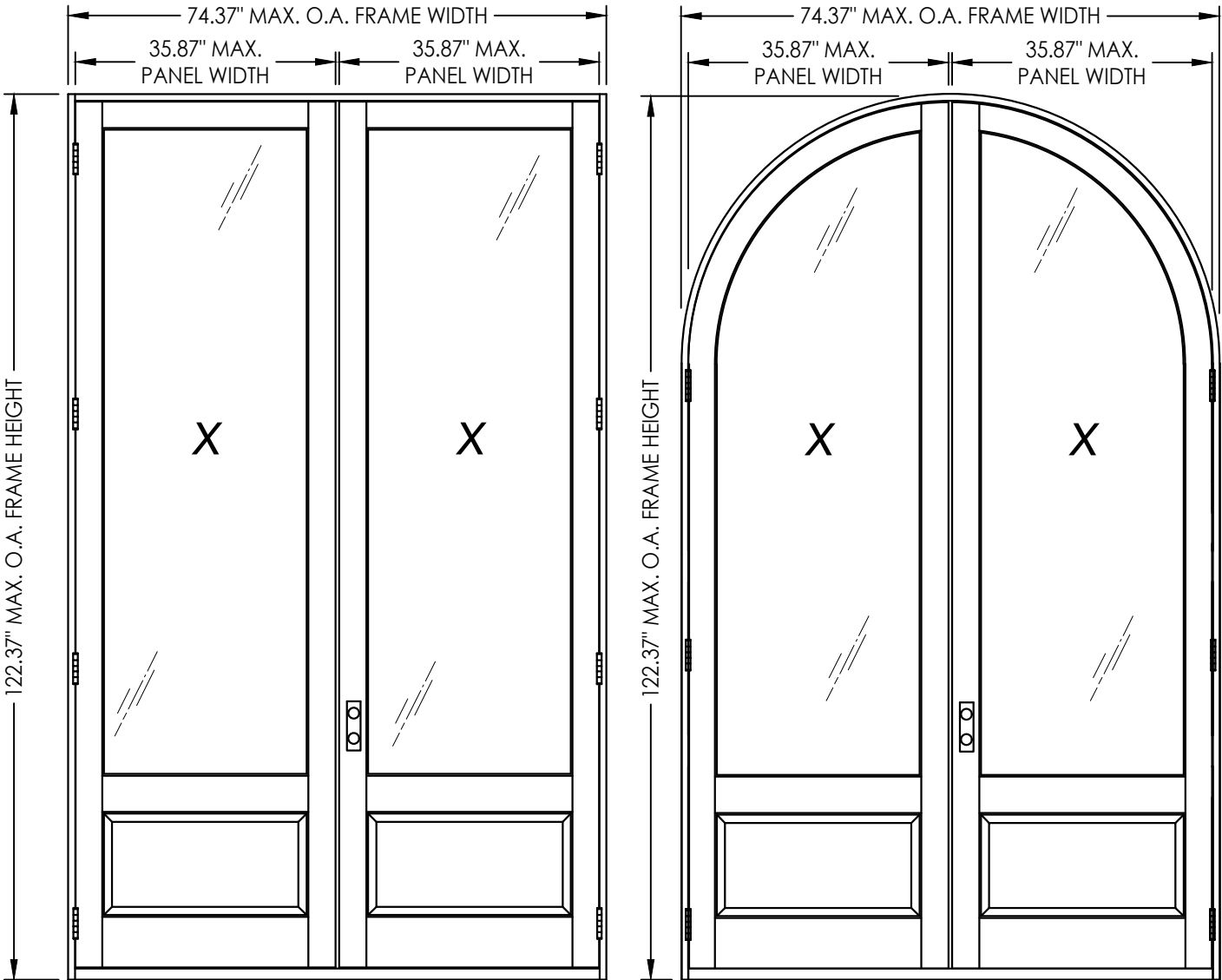


Digitally signed by Lyndon F Schmidt
Date: 2023.10.12 08:21:56 -04'00'

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



LOCK TYPE	OVERALL FRAME DIMENSION	SWING	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
HOPPE HLS9000 SERIES MULTI-POINT LOCK	74.37" x 122.37"	INSWING	+55.0	-60.0
		OUTSWING	+55.0	-55.0
SURFACE BOLTS EUREKO-DECO (France or Louis V)	74.37" x 122.37"	INSWING	+55.0	-60.0

SEE SHEET 2 FOR GLAZING DETAIL DESIGN PRESSURE LIMITATIONS

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

PRODUCT:
GLAZED & OPAQUE
WOOD DOOR

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

REVISIONS

DATE: 6/25/12

SCALE: N.T.S.

DWG. BY: JK

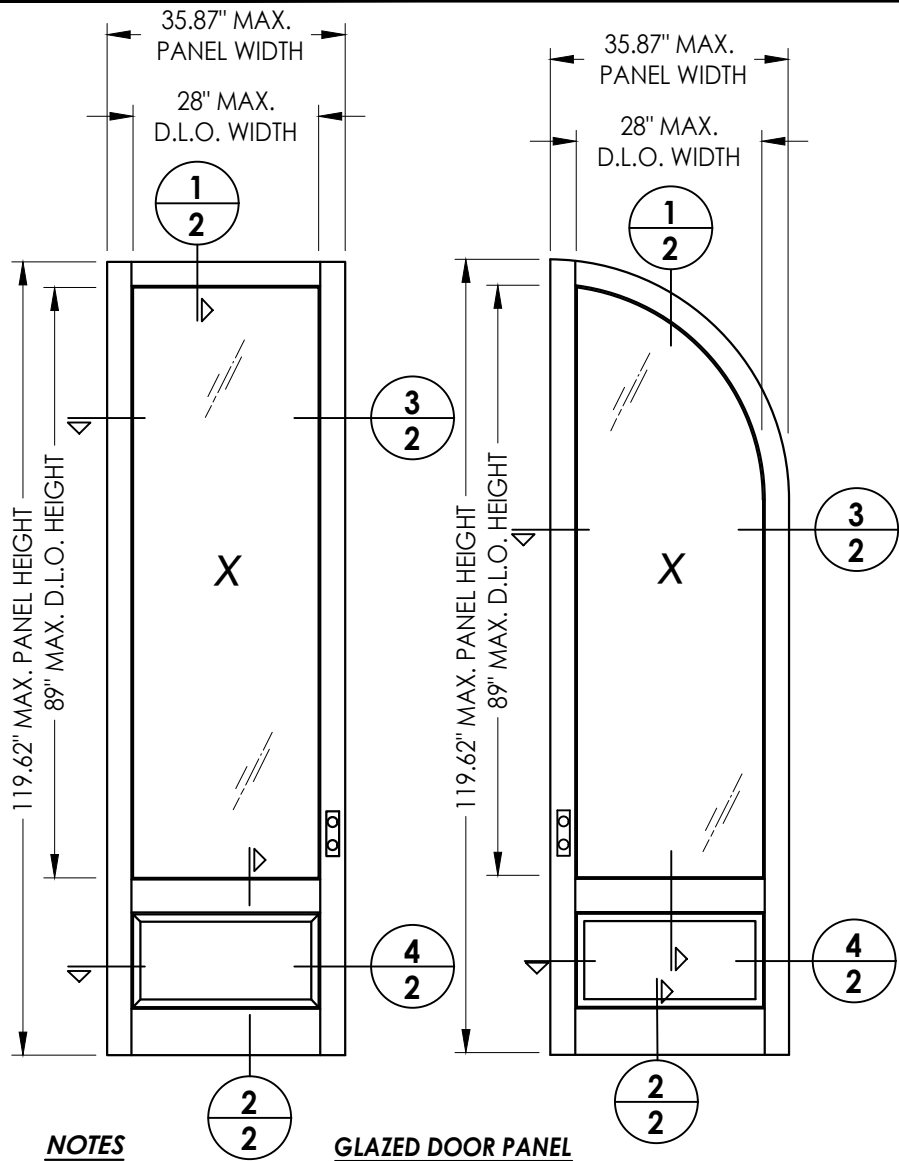
CHK. BY: LFS

DRAWING NO.: FL-15737.9

SHEET 1 OF 13

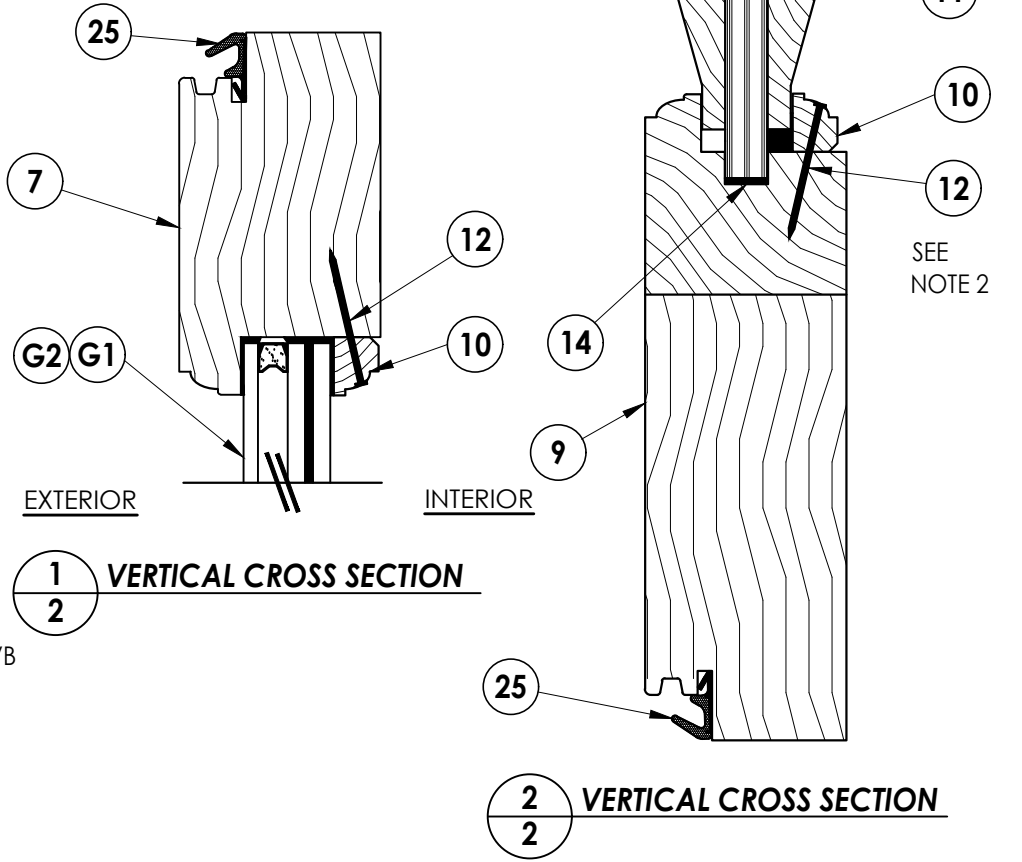
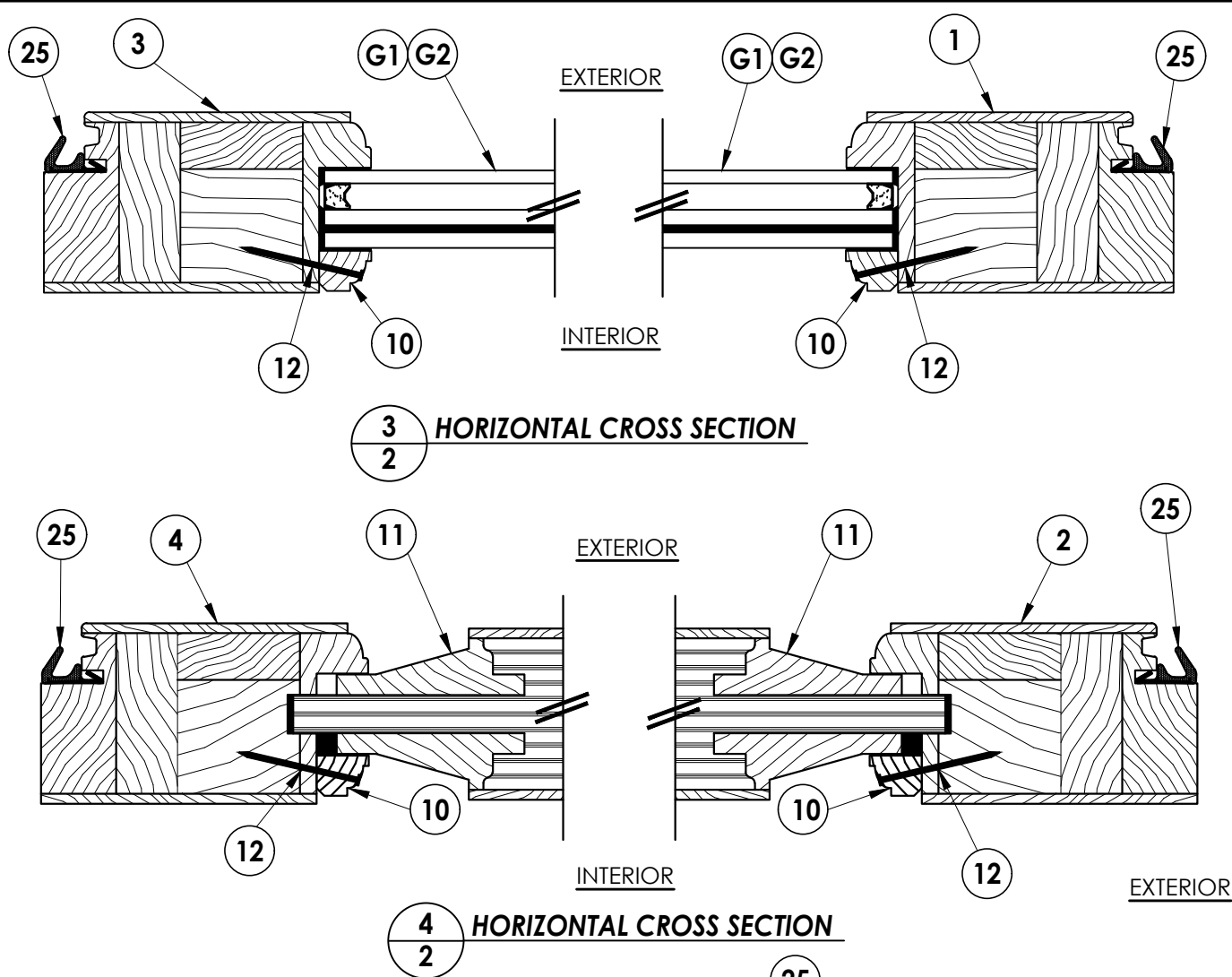
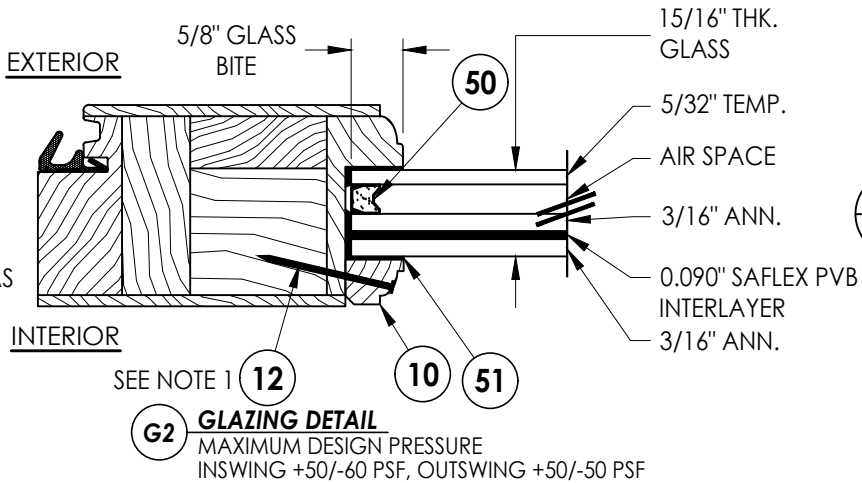
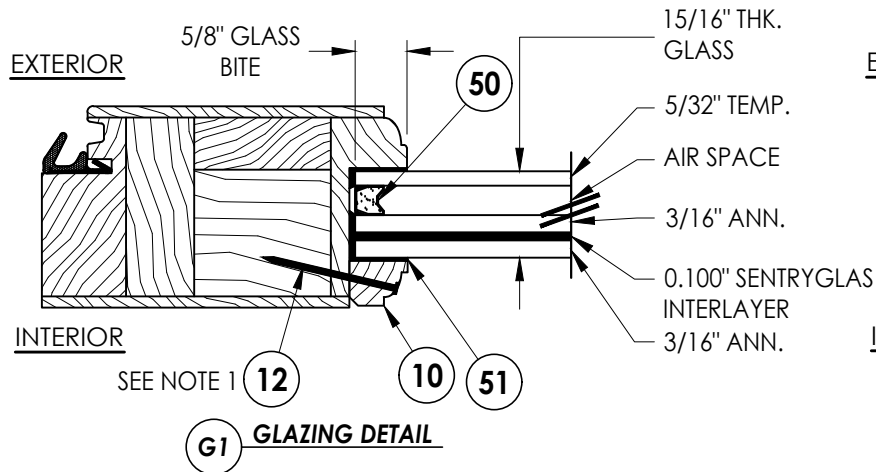
Building Consultants, Inc.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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NOTES

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



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BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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PRODUCT:
10' EURO FRAME GLAZED
AND OPAQUE DOUBLE
WOOD DOOR

PART OR ASSEMBLY:

GLAZED PANEL DOOR SECTIONS
AND GLAZING DETAIL

NO.	DATE	REVISIONS
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: 06/25/12

SCALE: N.T.S.

DWG. BY: JK

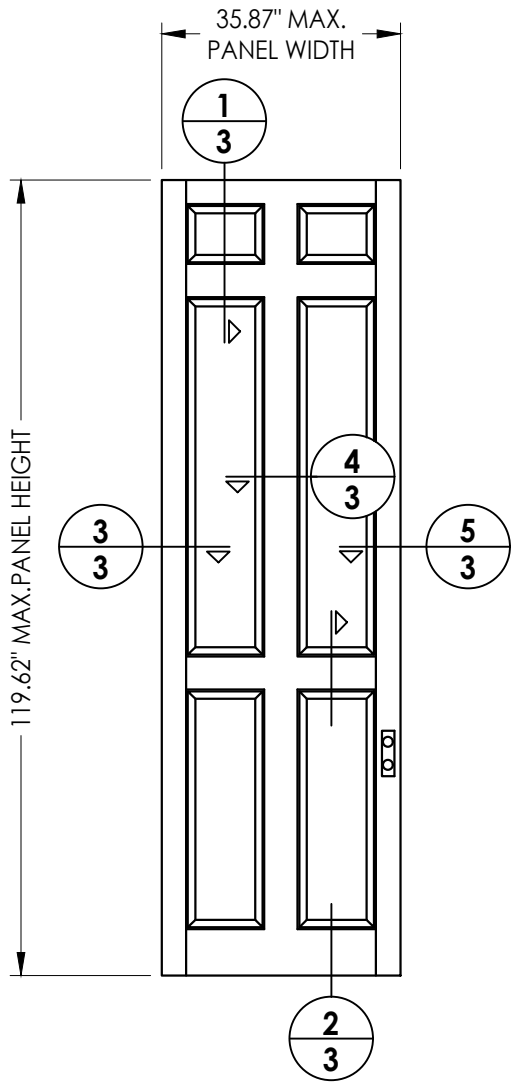
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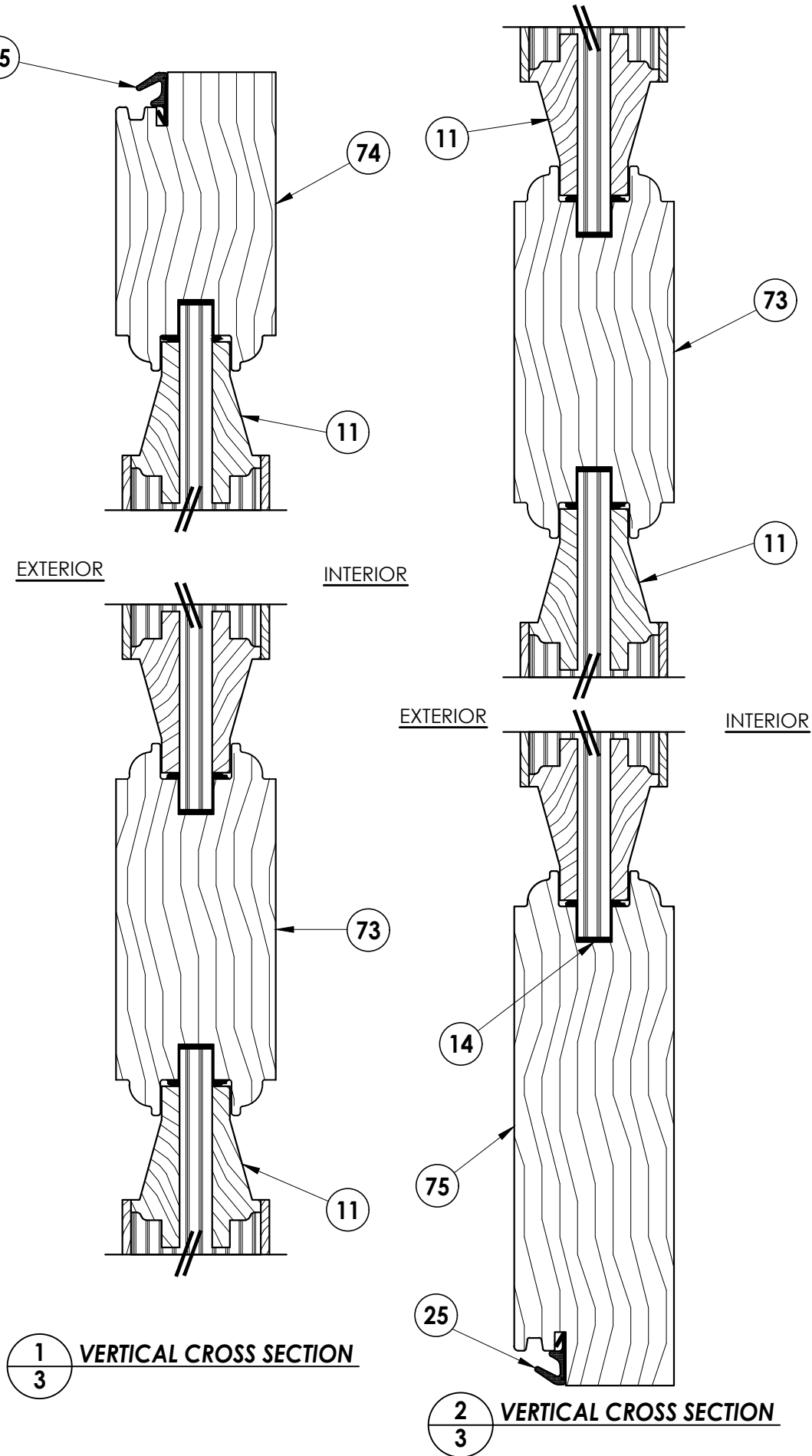
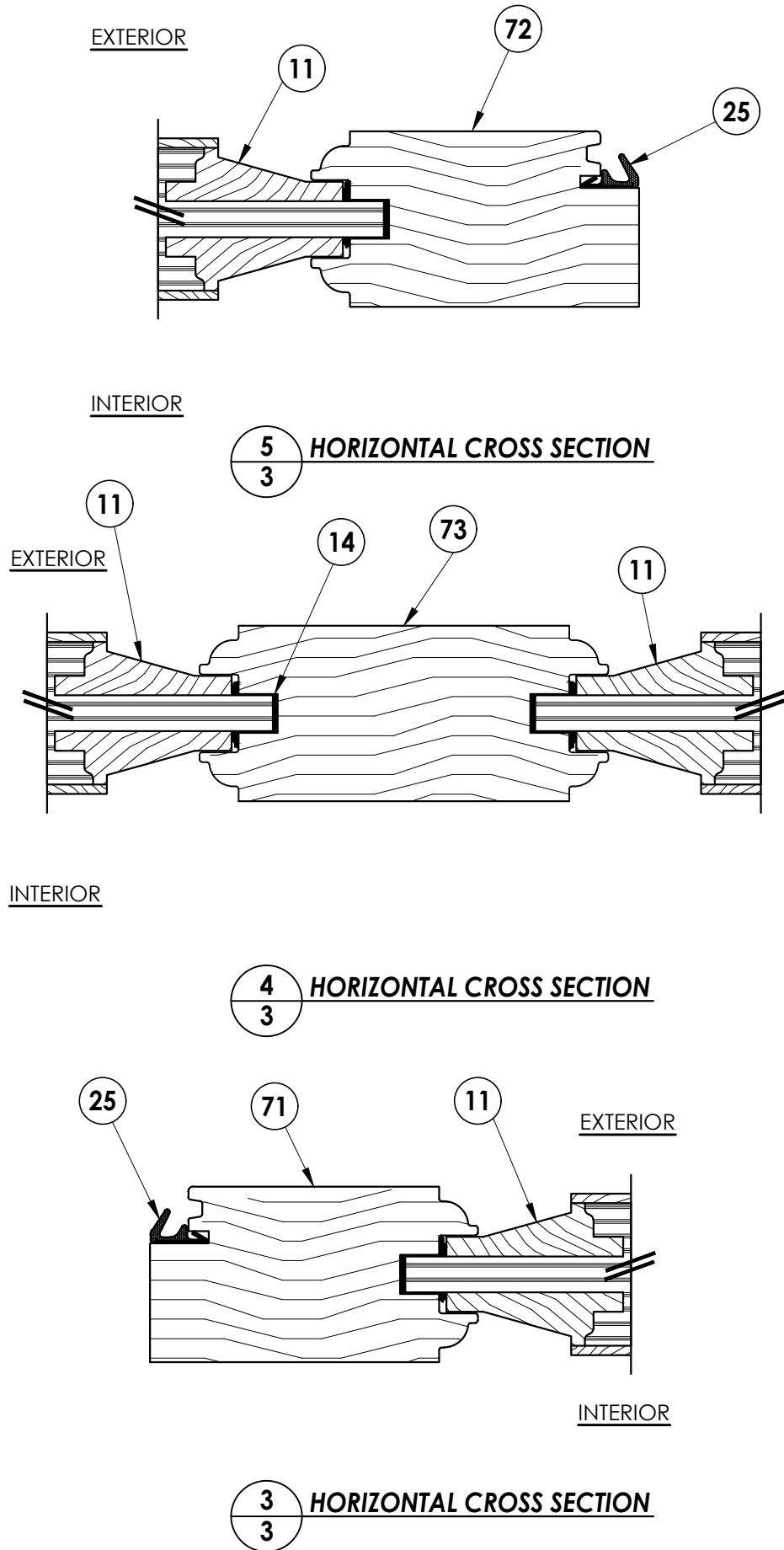
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SHEET 2 OF 13

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OPAQUE DOOR PANEL
Six panel model shown
Other models are available



NO.		DATE	REVISIONS	
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-15737.9

SHEET 30F 13

PRODUCT:
10' EURO FRAME GLAZED
AND OPAQUE DOUBLE WOOD DOOR

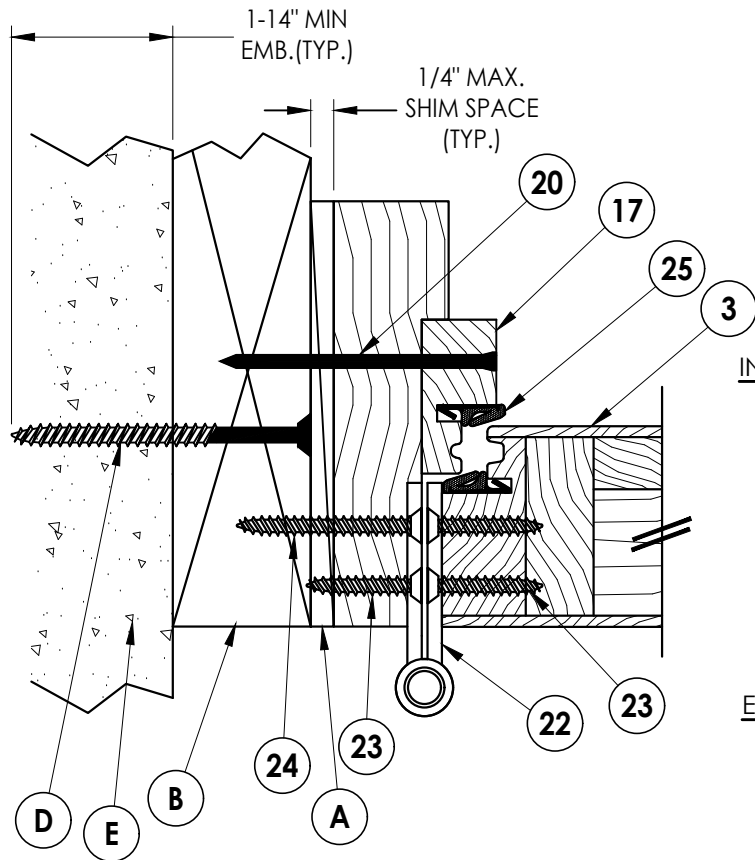
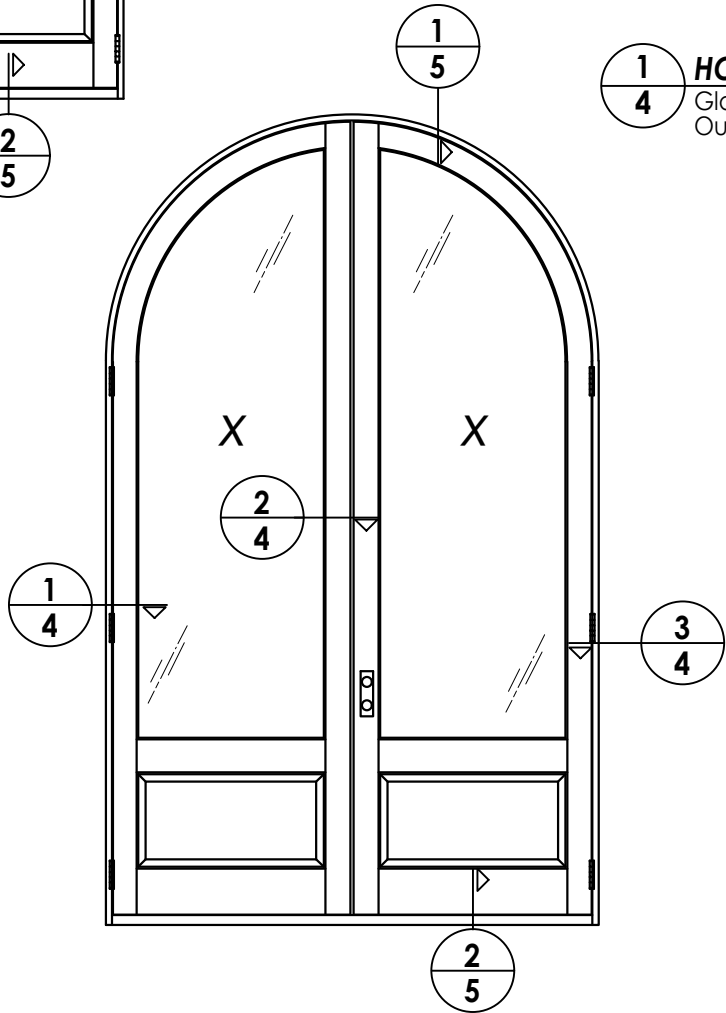
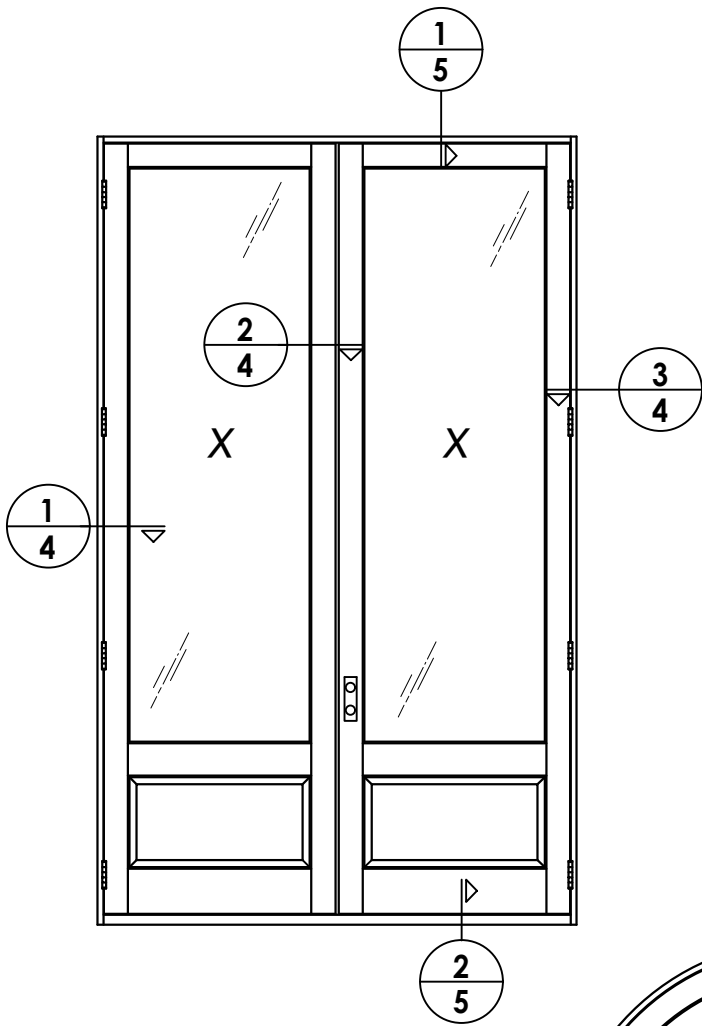
PART OR ASSEMBLY:
OPAQUE DOOR PANEL SECTIONS

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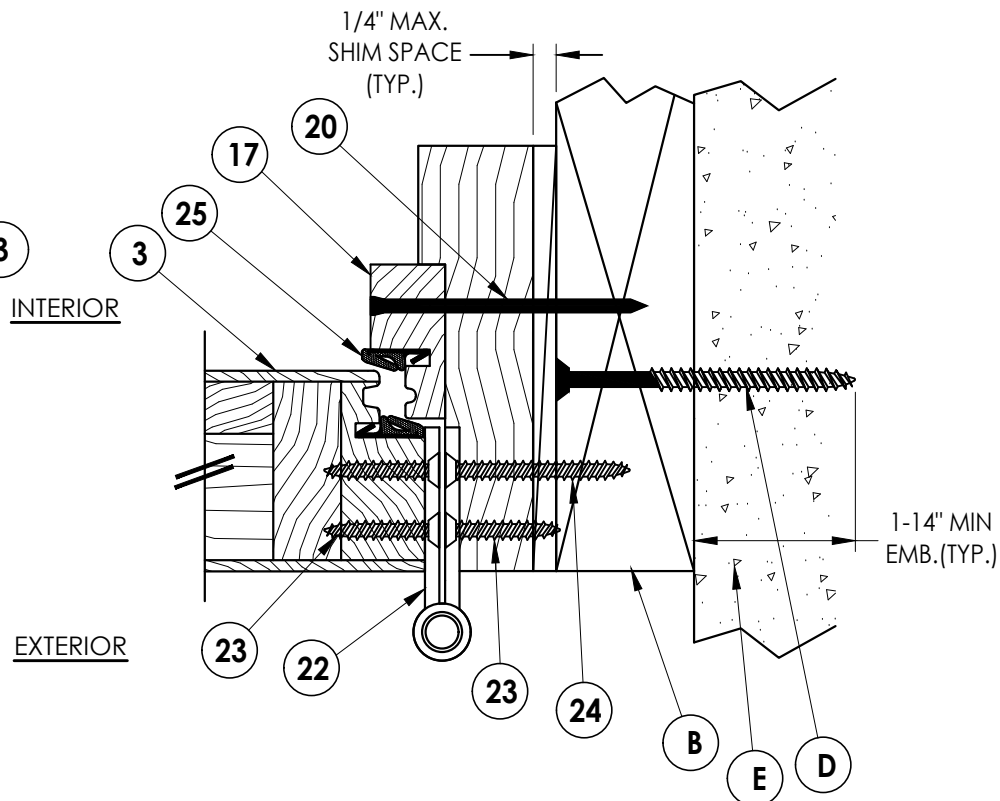
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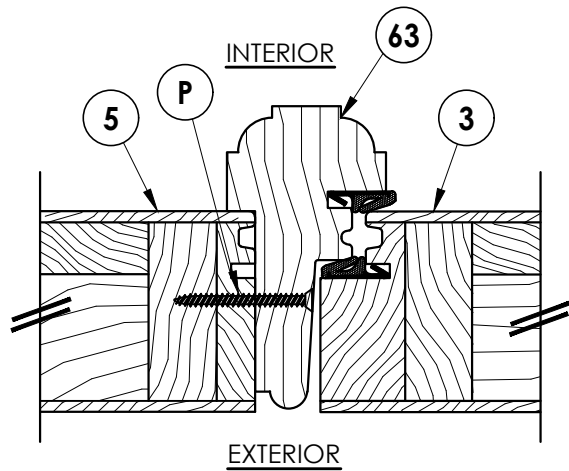
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1/4 HORIZONTAL CROSS SECTION
Glazed door shown - opaque door also approved
Outswing shown - inswing also approved



3/4 HORIZONTAL CROSS SECTION
Glazed door shown - opaque door also approved
Outswing shown - inswing also approved



2/4 HORIZONTAL CROSS SECTION
Glazed door shown - opaque door also approved
Outswing shown - inswing also approved

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PRODUCT: 10' EURO FRAME, GLAZED
AND OPAQUE DOUBLE WOOD DOOR

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

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

DATE: 6/25/12

SCALE: N.T.S.

DWG. BY: JK

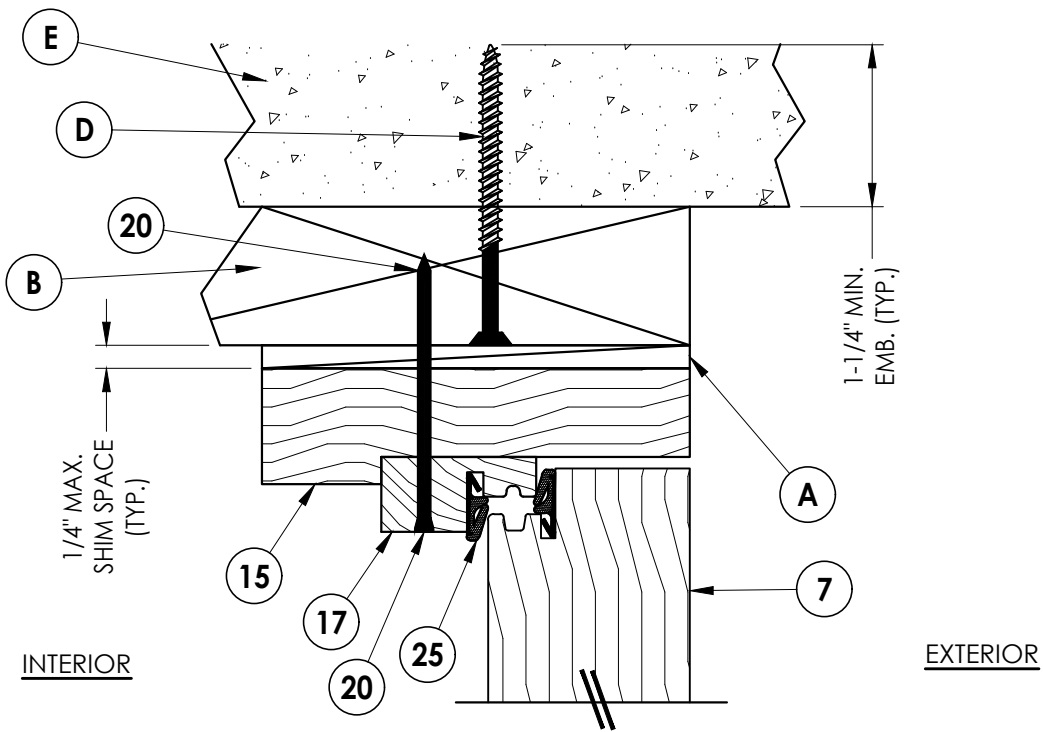
CHK. BY: LFS

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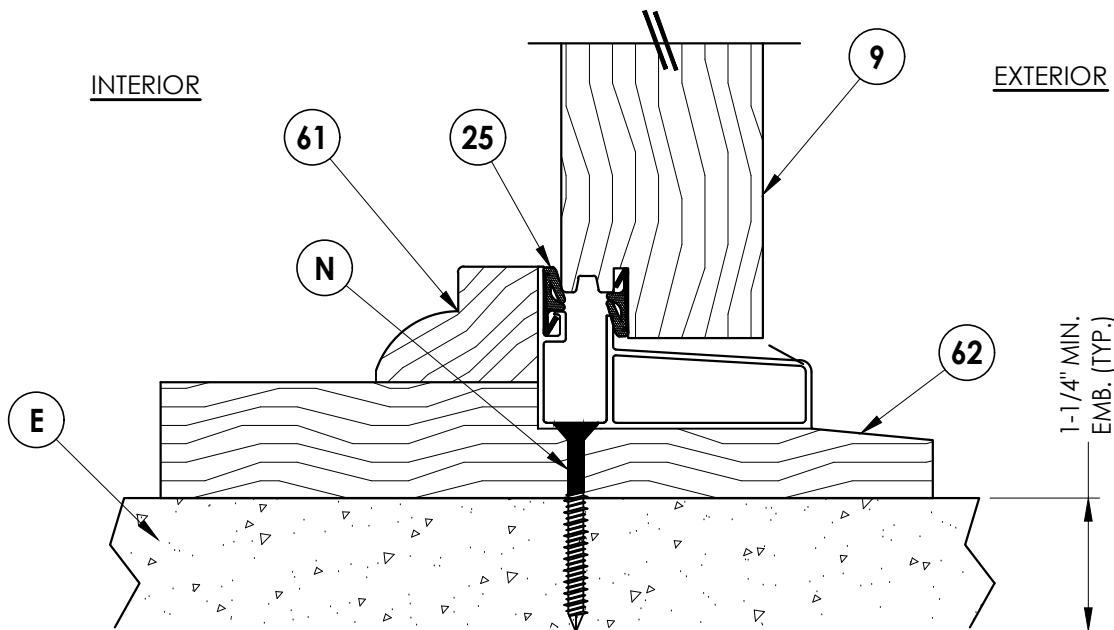
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SHEET 4 OF 13

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



2 VERTICAL CROSS SECTION
5 Glazed door shown - opaque door also approved
Outswing shown - inswing also approved

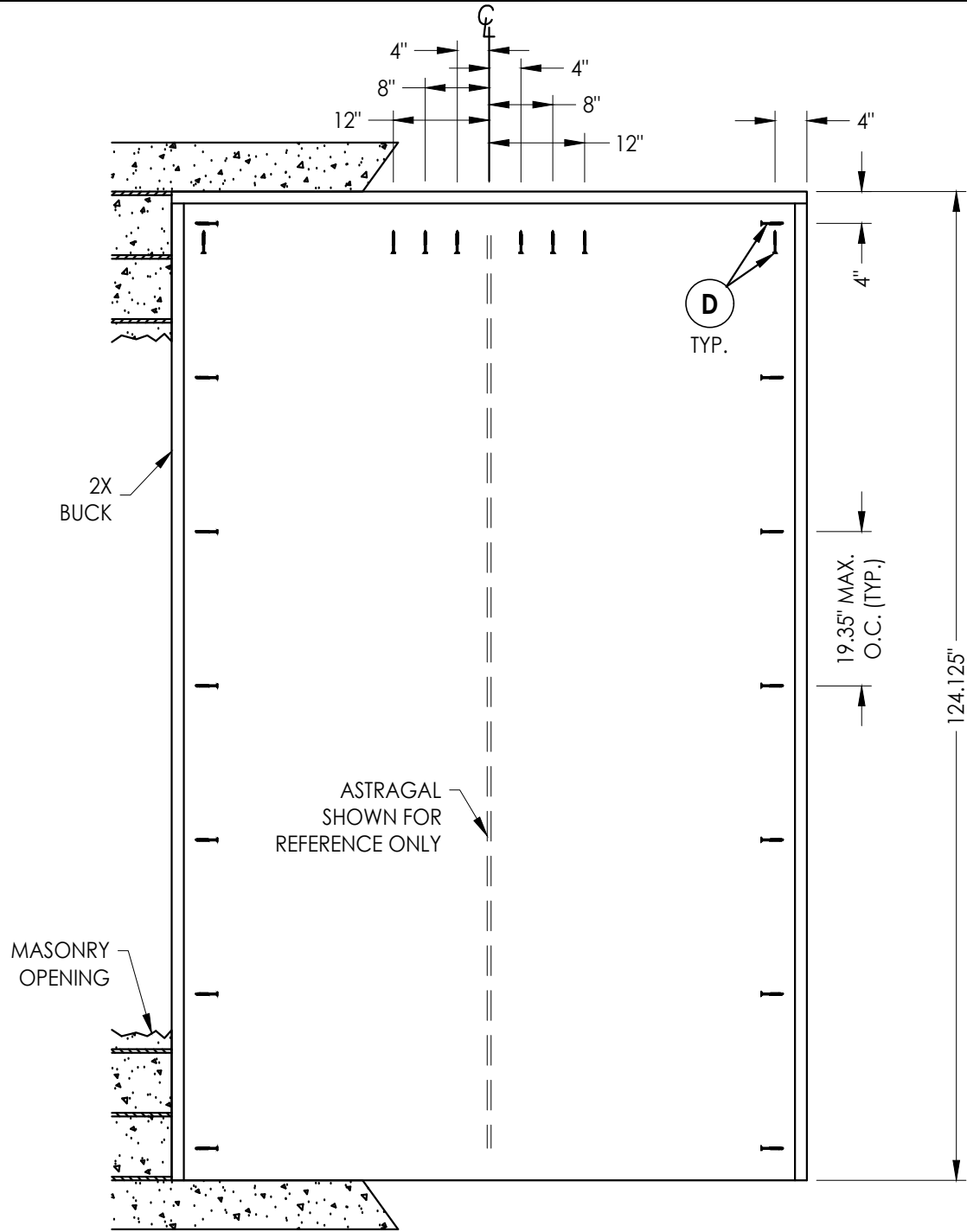
NO.	DATE	REVISIONS
4	10/4/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	07/11/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	08/10/15	UPDATE TO 5TH ED. (2014) FBC LFS
		BY

DATE:	6/25/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15737.9
SHEET	5 OF 13

PRODUCT:	10' EURO FRAME GLAZED AND OPAQUE DOUBLE WOOD DOOR
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

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BUCK ANCHORING

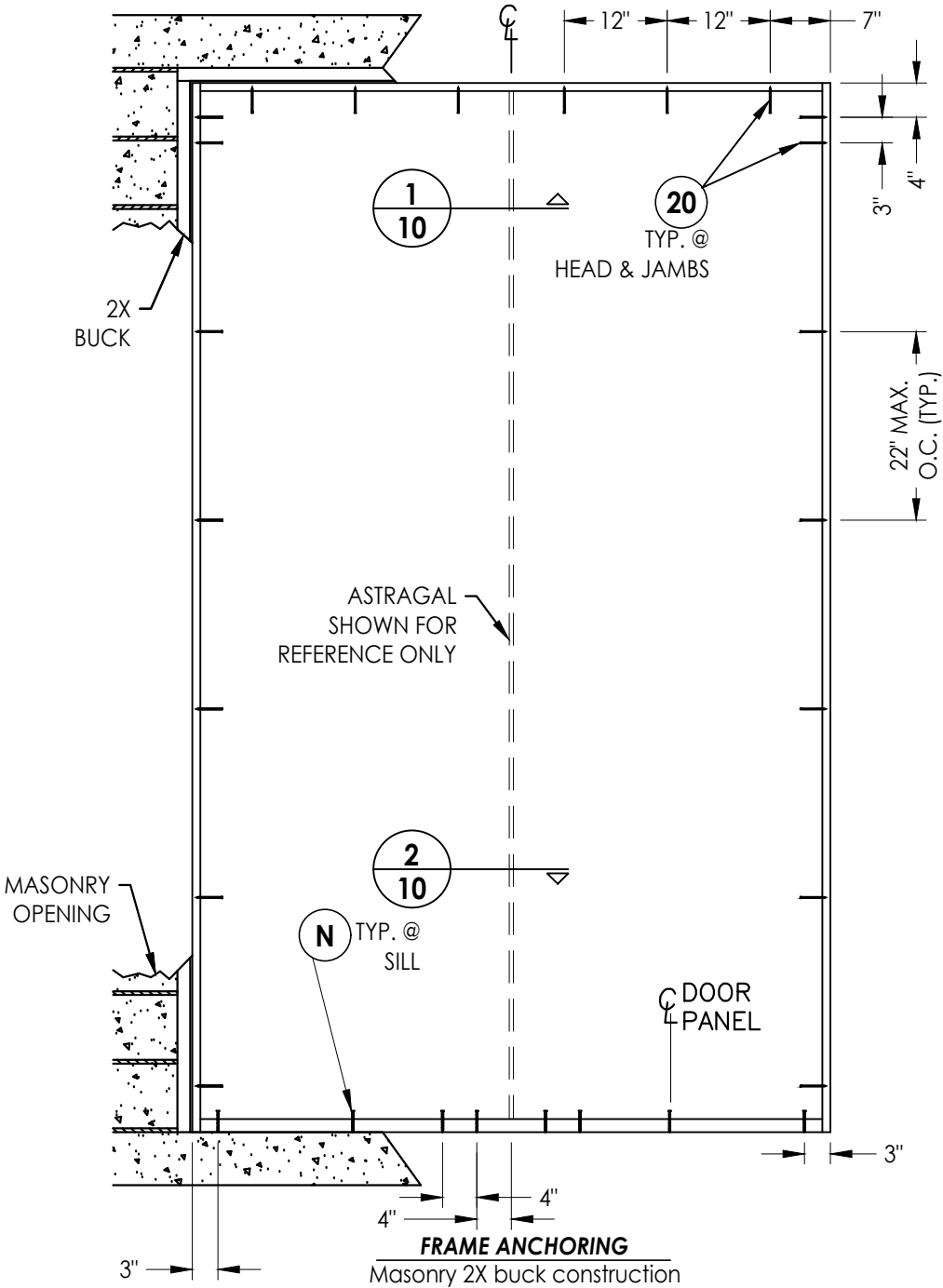
CONCRETE ANCHOR NOTES:

- 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
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.



FRAME ANCHORING

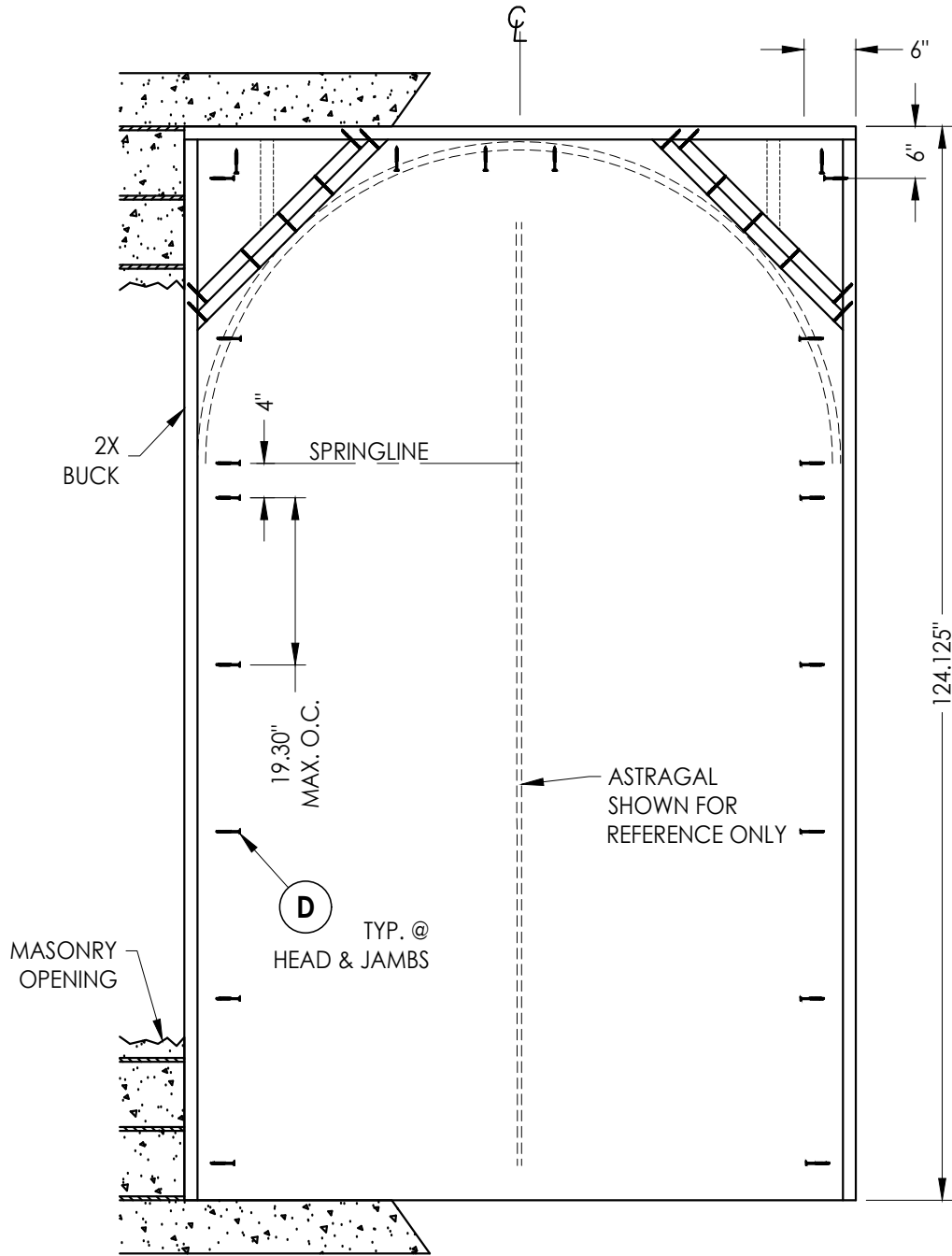
Masonry 2X buck construction

PRODUCT:		PART OR ASSEMBLY:	
10' EURO FRAME GLAZED AND OPAQUE DOUBLE WOOD DOOR		BUCK AND FRAME ANCHORING RECTANGULAR DOOR	
NO.	DATE	BY	REVISIONS
4	10/4/23	LFS	UPDATE TO 8TH ED. (2023) FBC
3	9/16/20	LFS	UPDATE TO 7TH ED. (2020) FBC
2	07/11/17	LFS	UPDATE TO 6TH ED. (2017) FBC
1	08/10/15	LFS	UPDATE TO 5TH ED. (2014) FBC
DATE: 6/25/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
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SHEET 6 OF 13			

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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BUCK ANCHORING

CONCRETE ANCHOR NOTES:

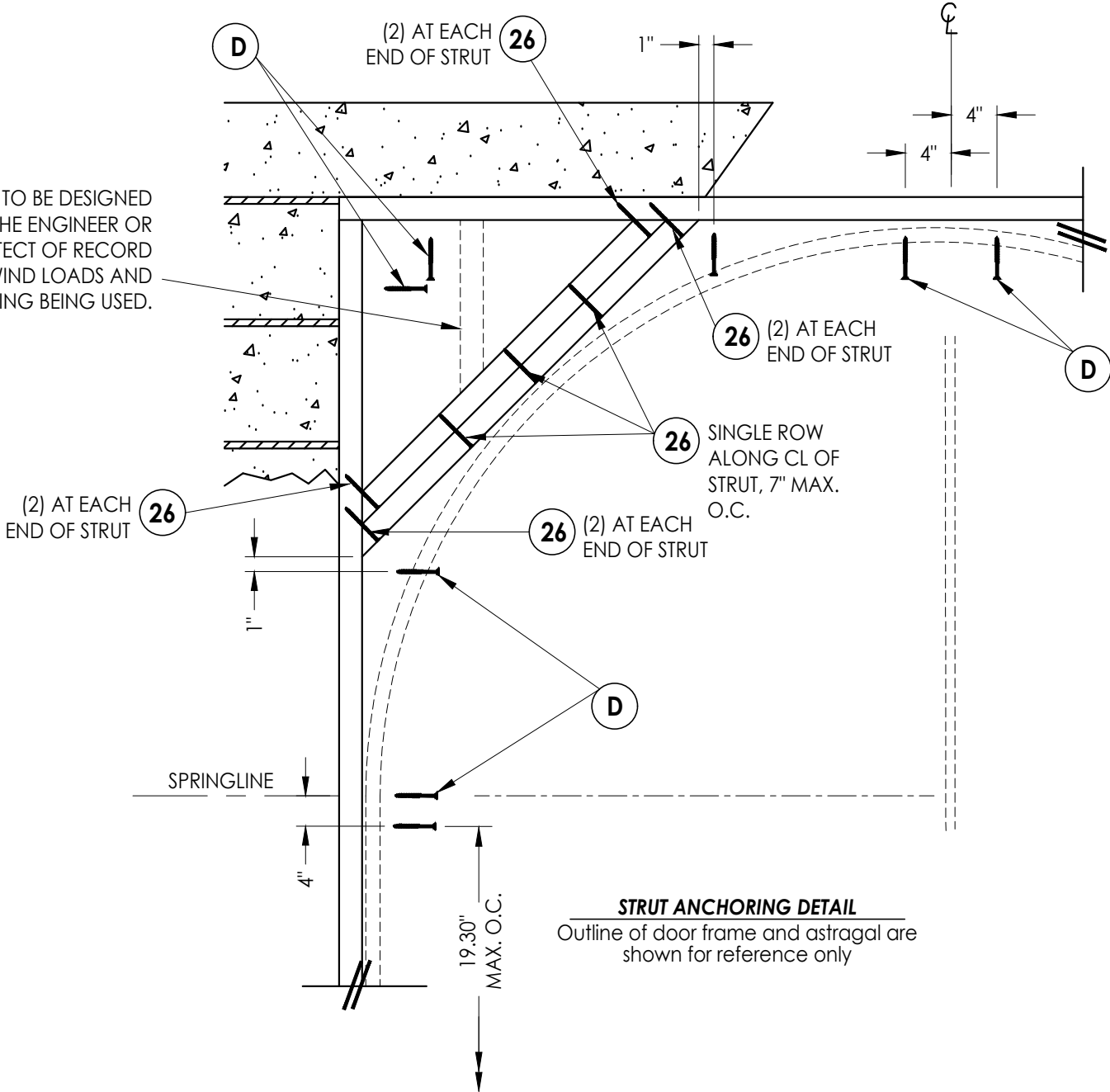
- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
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.

2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD BASED ON WIND LOADS AND THE CLADDING BEING USED.



STRUT ANCHORING DETAIL
Outline of door frame and astragal are shown for reference only

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT:
10' EURO FRAME GLAZED
AND OPAQUE DOUBLE WOOD
DOOR

PART OR ASSEMBLY:
BUCK ANCHORING
RADIUS TOP DOOR

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

DATE: 6/25/12

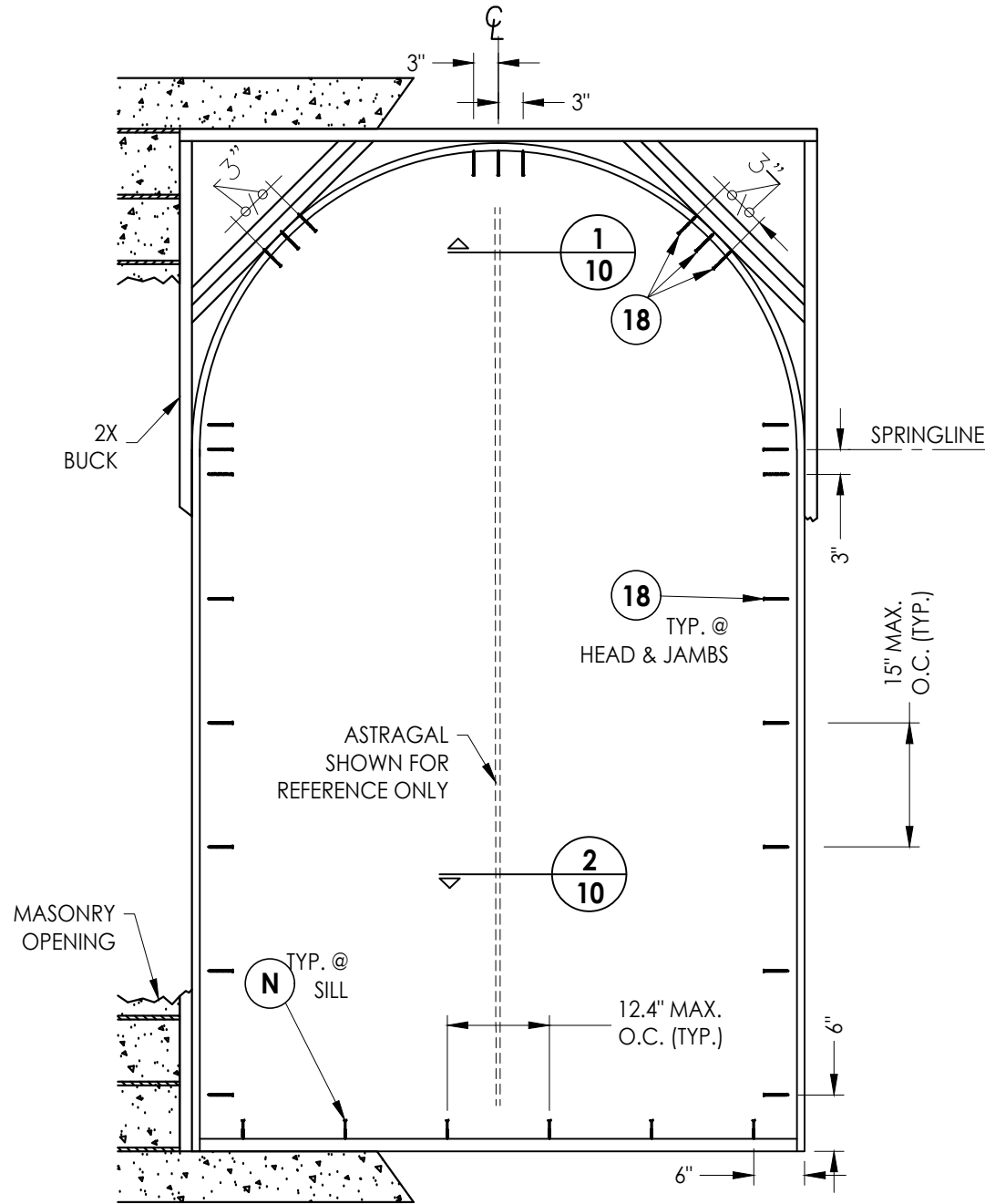
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DWG. BY: JK

CHK. BY: LFS

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SHEET 7 OF 13



FRAME ANCHORING

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
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	1/4"	1-1/4"	3"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	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	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.:

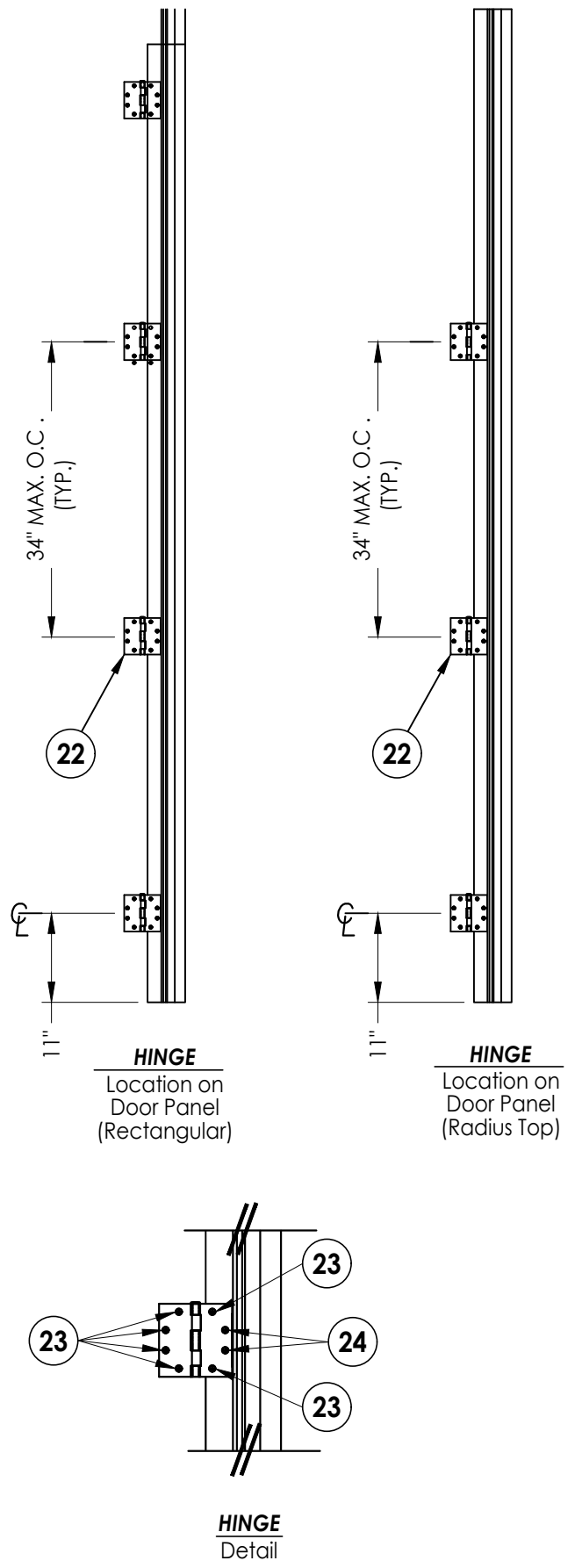
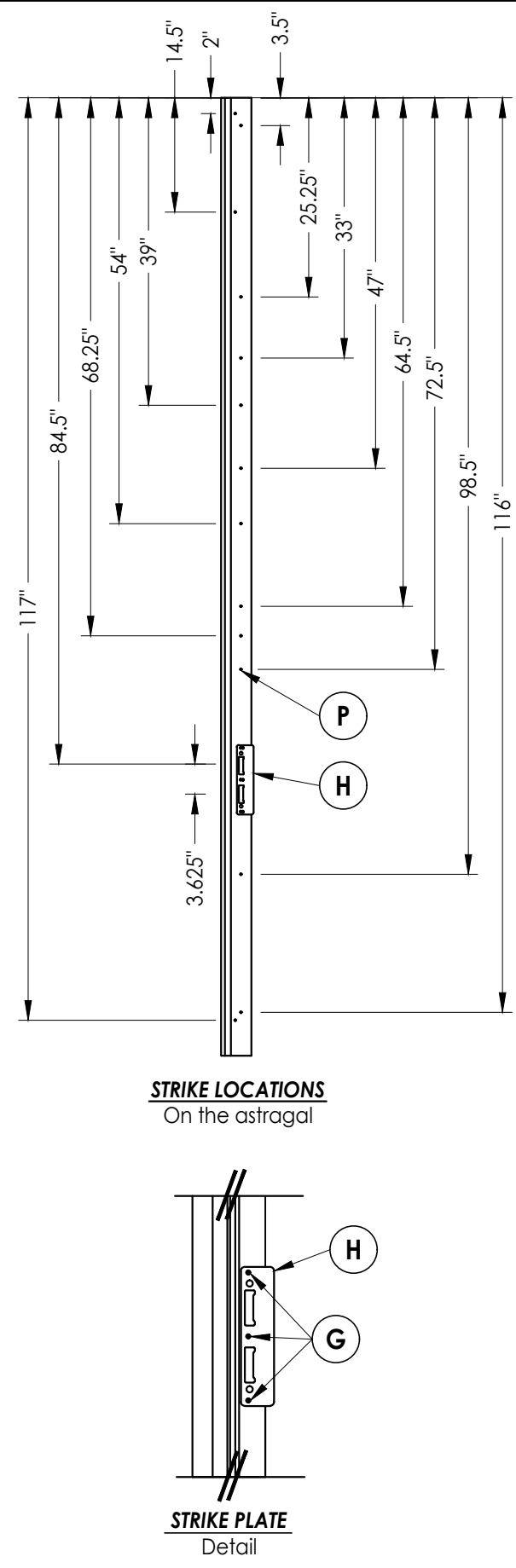
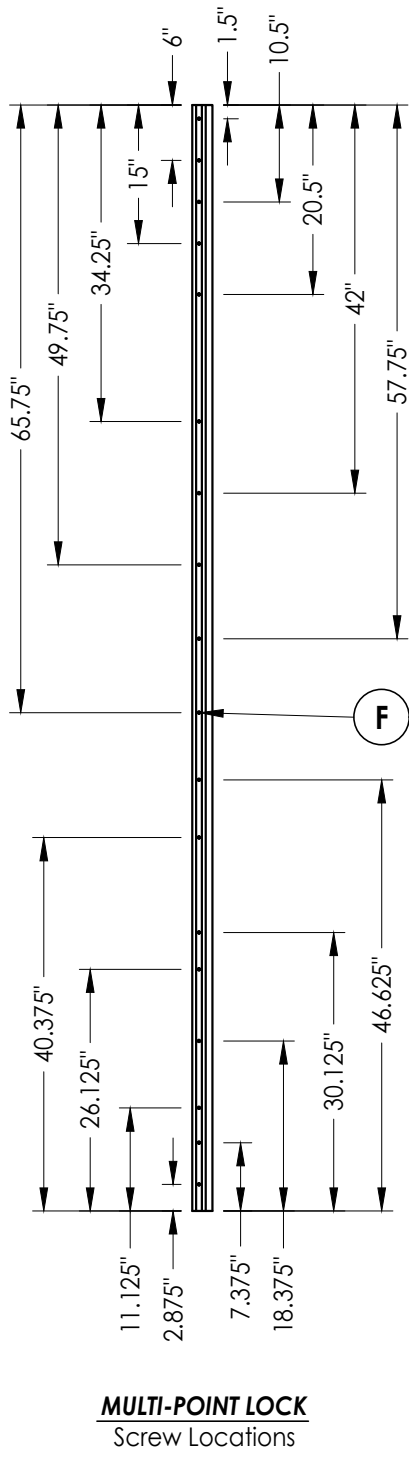
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SHEET 8 OF 13

Documents Prepared By:
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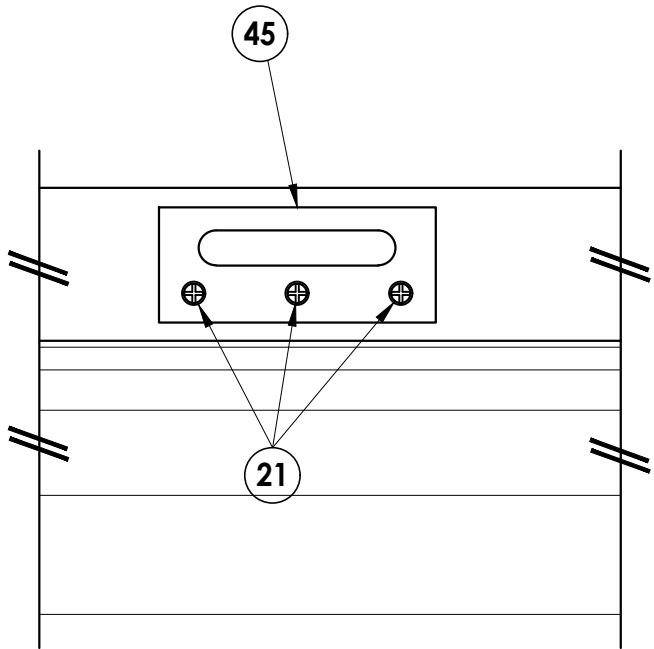
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P.E. No. 43409

PRODUCT: 10' EURO FRAME GLAZED AND OPAQUE DOUBLE WOOD DOOR

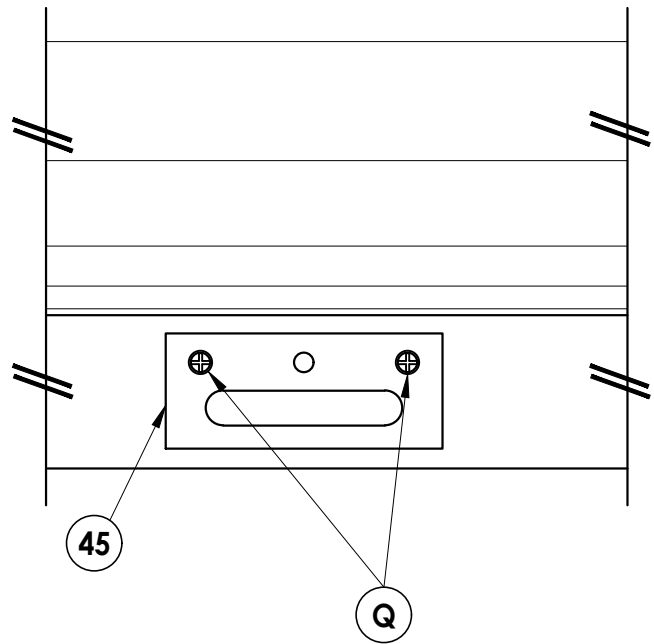
PART OR ASSEMBLY:

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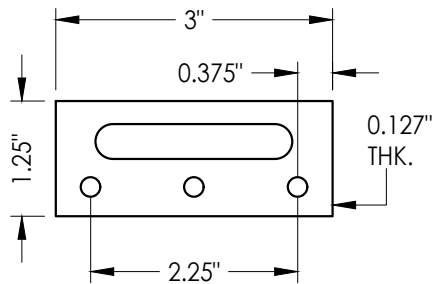


1 **MULTI-POINT STRIKE DETAIL**
10 Looking Up @ Head

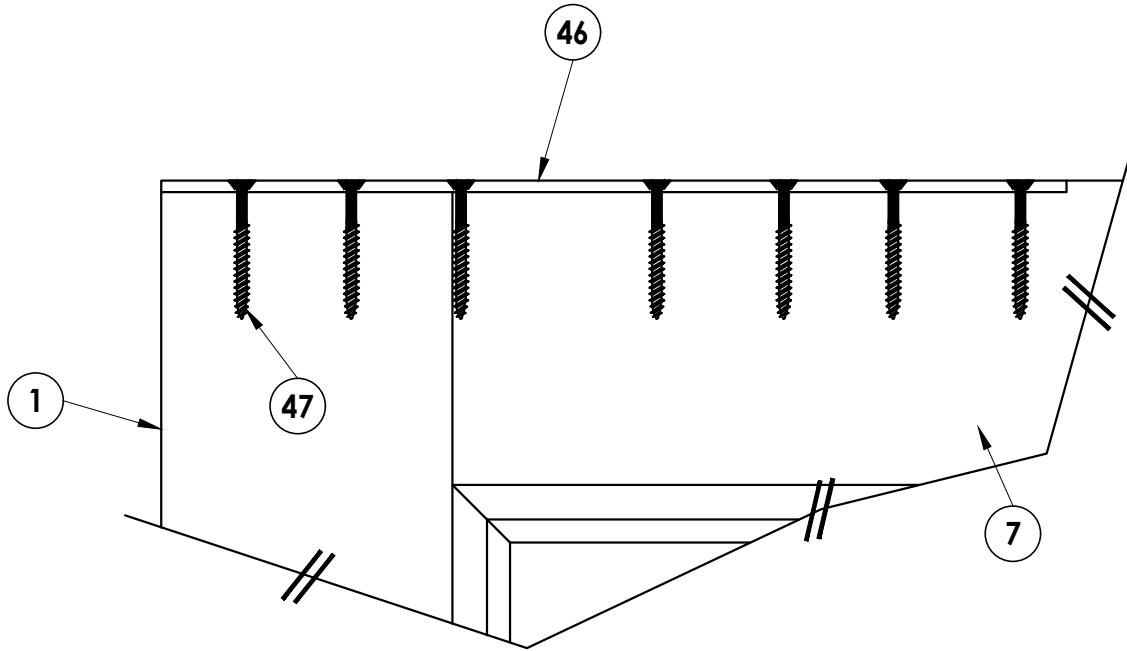


2 total
(use outside holes only)

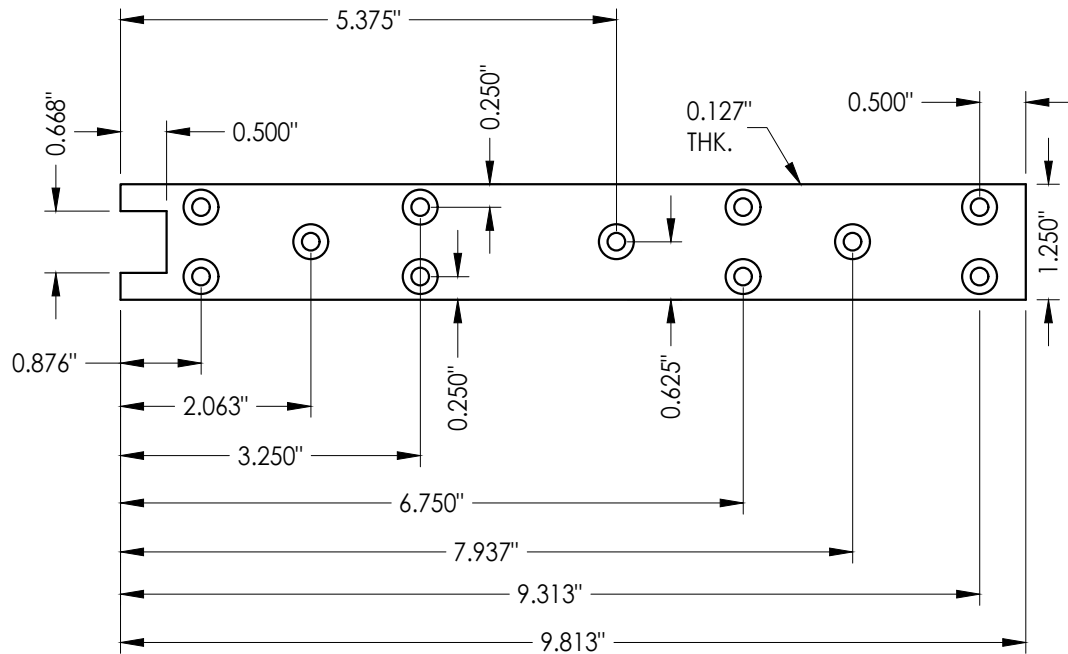
2 **MULTI-POINT STRIKE DETAIL**
10 Looking Down @ Sill



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.

PRODUCT:	10' EURO FRAME GLAZED AND OPAQUE DOUBLE WOOD DOOR			
	PART OR ASSEMBLY:			
HARDWARE DETAILS				

NO.	DATE	REVISIONS
4	10/4/23	UPDATE TO 8TH ED. (2023) FBC
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC
2	107/11/17	UPDATE TO 6TH ED. (2017) FBC
1	08/10/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 6/25/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

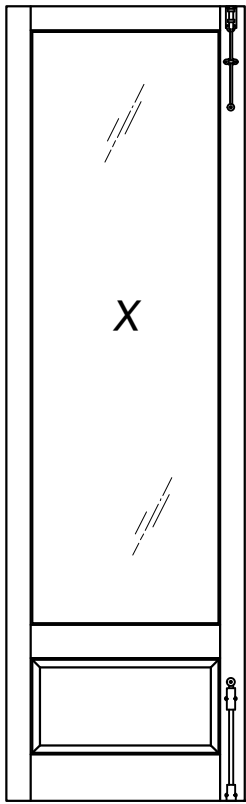
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SHEET 10 OF 13

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P.E. No. 43409

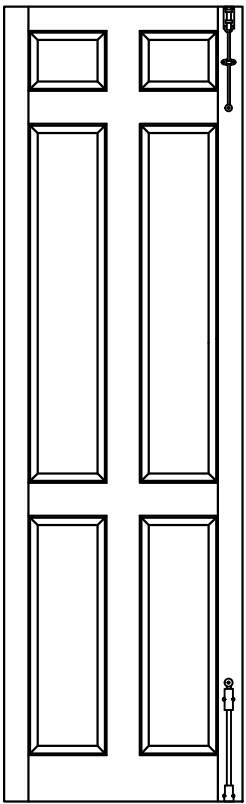
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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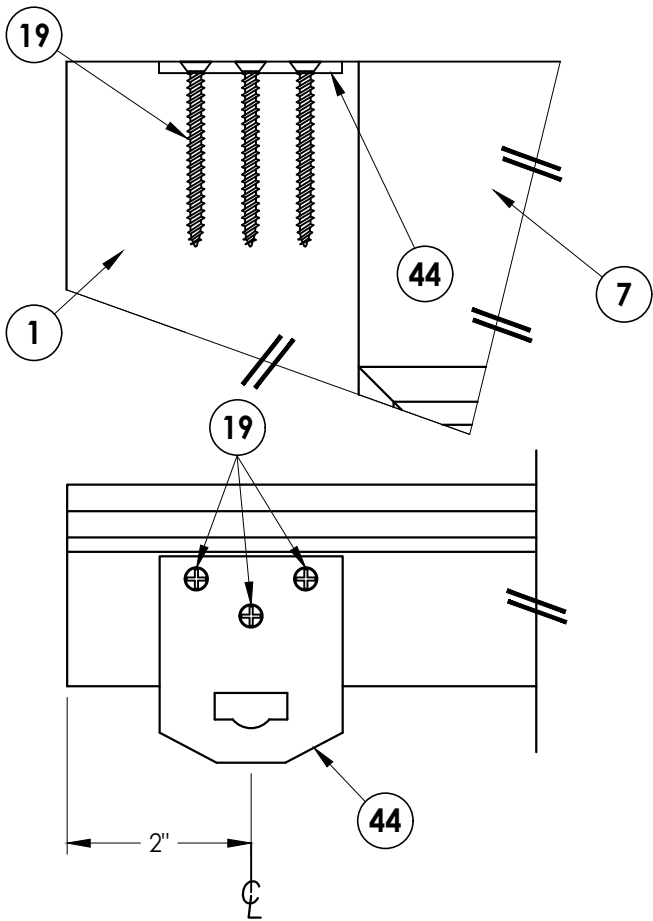
SURFACE BOLTS

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

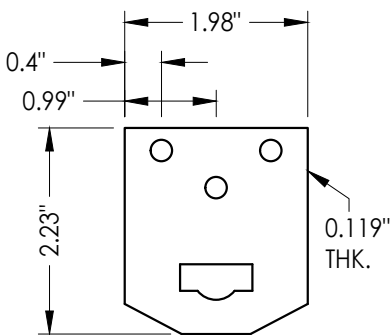


SURFACE BOLTS

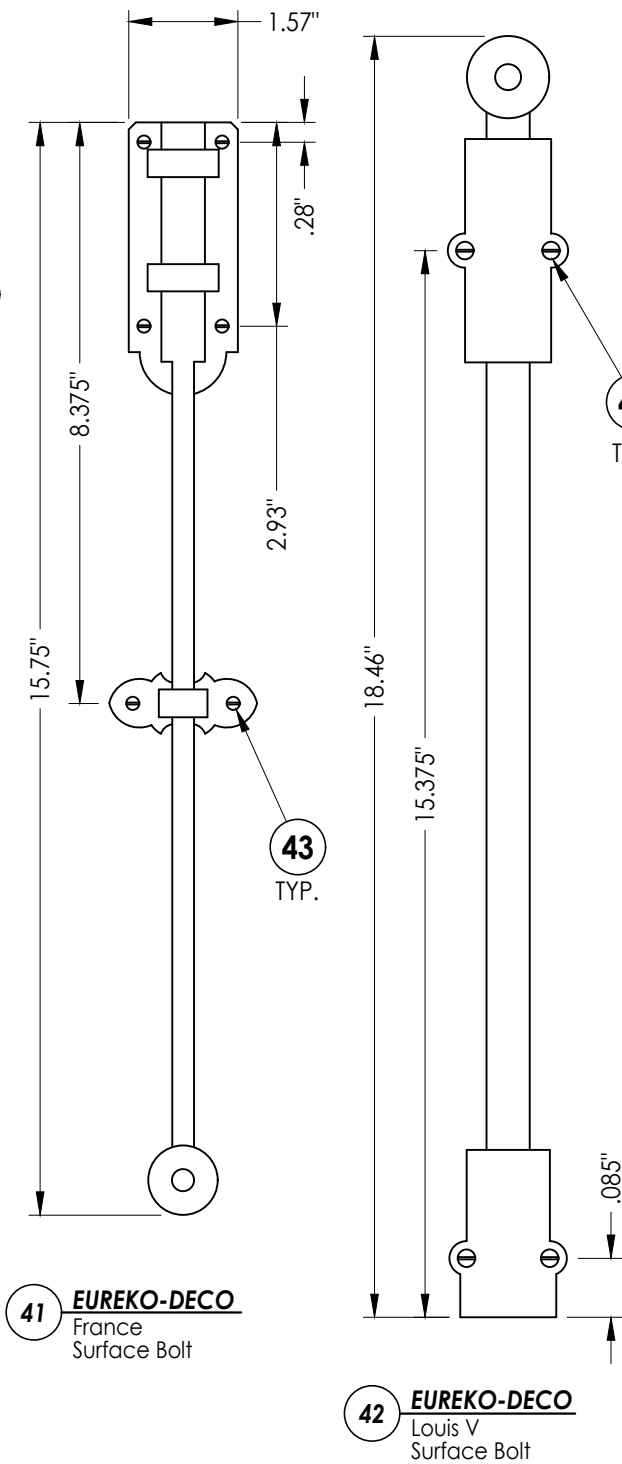
When surface bolts are used,
the Hoppe multi-point lock is
not required



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

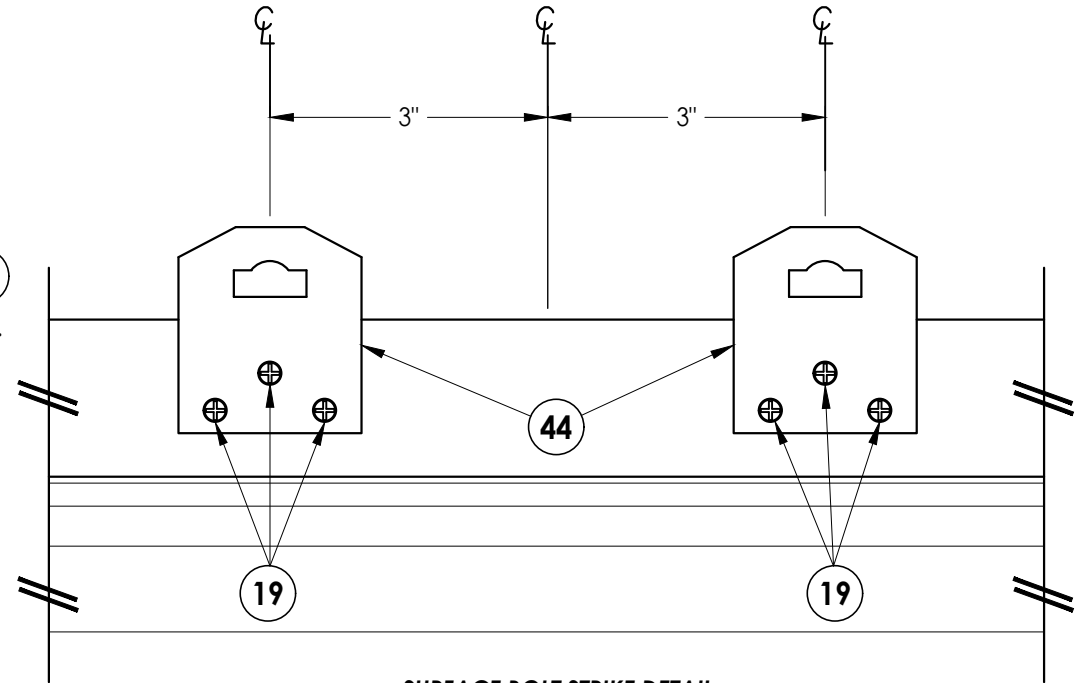


44 SURFACE BOLT STRIKE PLATE
@ Head & Sill
Typ. Panel & frame

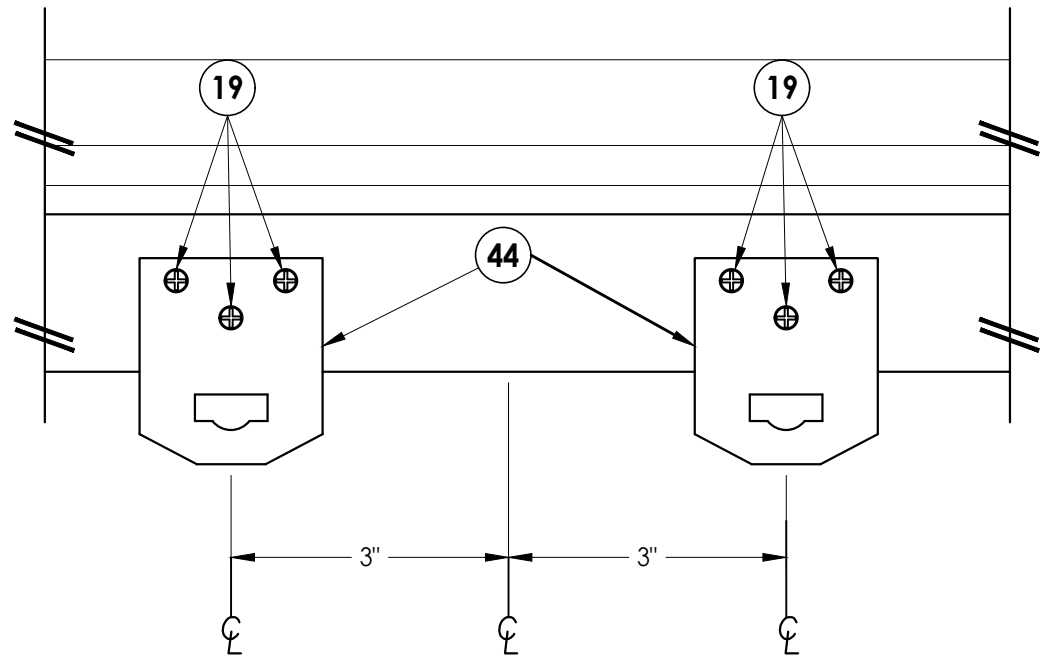


41 EUREKO-DECO
France
Surface Bolt

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

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

PRODUCT:
10' EURO FRAME GLAZED
AND OPAQUE DOUBLE WOOD DOOR

PART OR ASSEMBLY:
SURFACE BOLT
HARDWARE DETAILS

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

DATE: 6/25/12

SCALE: N.T.S.

DWG. BY: JK

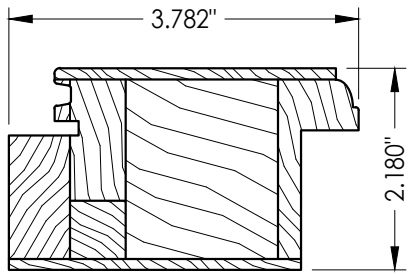
CHK. BY: LFS

DRAWING NO.:

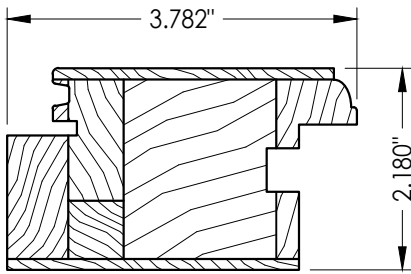
FL-15737.9

SHEET 11 OF 13

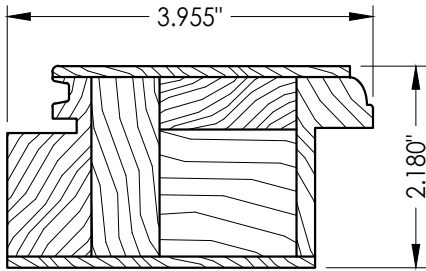
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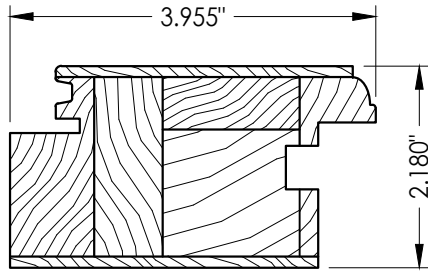
1 LATCH STILE
For Glazed Door
Glass Infil



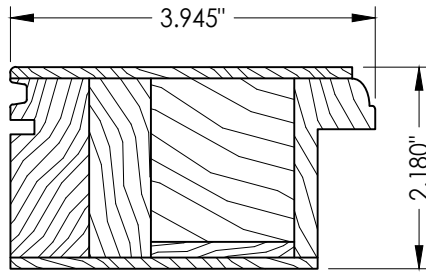
2 LATCH STILE
For Glazed Door
Panel Infil



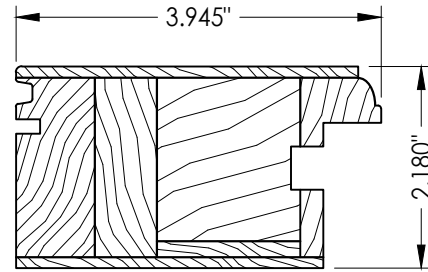
3 HINGE STILE
For Glazed Door
Glass Infil



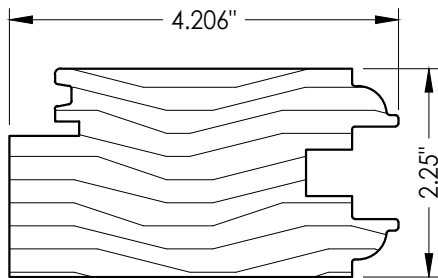
4 HINGE STILE
For Glazed Door
Panel Infil



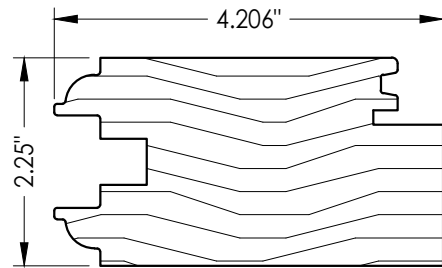
5 ASTRAGAL STILE
For Glazed Door
Glas Infil



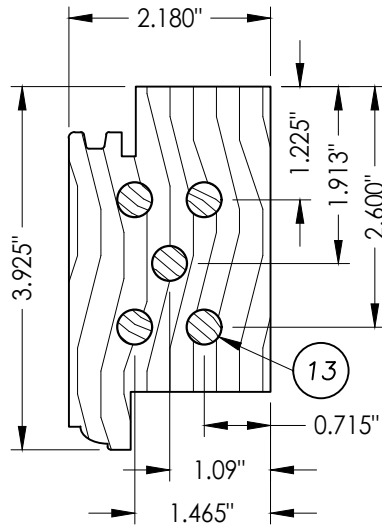
6 ASTRAGAL STILE
For Glazed Door
Panel Infil



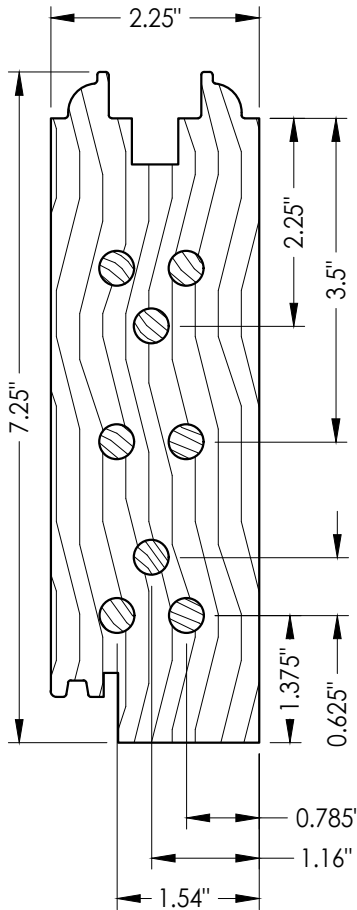
71 LATCH STILE
Opaque Door



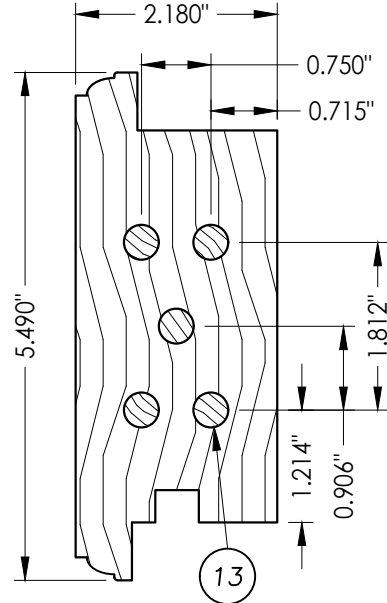
72 HINGE STILE
Opaque Door



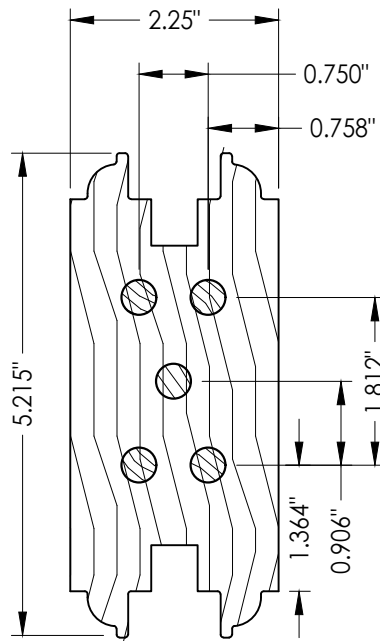
7 TOP RAIL
Glazed Door



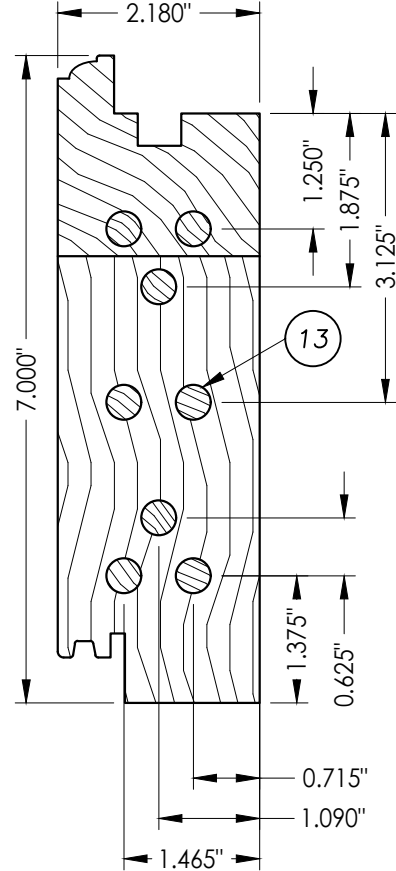
75 BOTTOM RAIL
Opaque Door



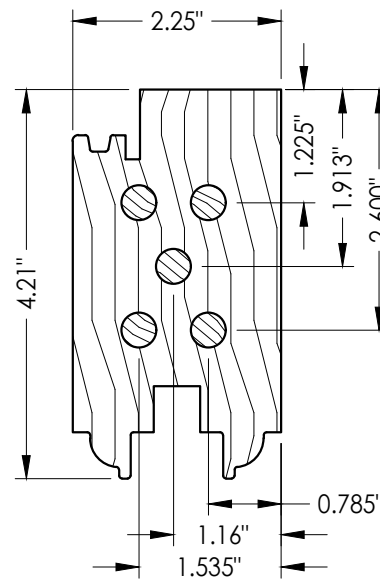
8 MID RAIL
Glazed Door



73 MID RAIL
Opaque Door



9 BOTTOM RAIL
Glazed Door



74 TOP RAIL
Opaque Door

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

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
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.:

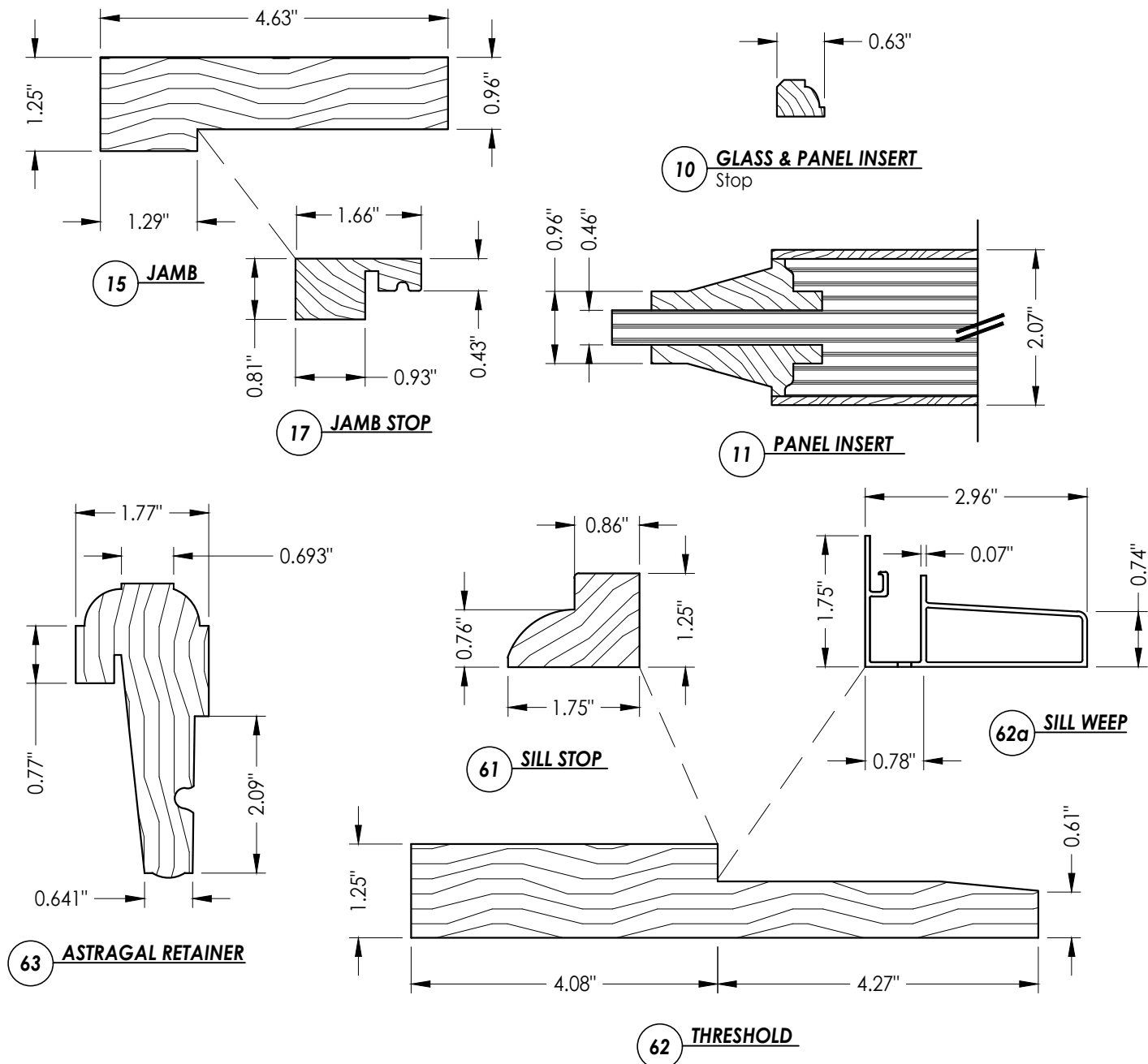
FL-15737.9

SHEET 12 OF 13

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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	LATCH STILE FOR GLASS (SG >= 0.46)	WOOD
2	LATCH STILE FOR PANEL INSERT (SG >= 0.46)	WOOD
3	HINGE STILE FOR GLASS (SG >= 0.46)	WOOD
4	HINGE STILE FOR PANEL INSERT (SG >= 0.46)	WOOD
5	ASTRAGAL STILE FOR GLASS (SG >= 0.46)	WOOD
6	ASTRAGAL STILE FOR PANEL INSERT (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 INSERT STOP (SG >= 0.46)	WOOD
11	PANEL INSERT (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	CAULK	-
15	JAMB (SG >= 0.46)	WOOD
17	JAMB TRIM (SG >= 0.46)	WOOD
18	#8 X 2-1/2" WOOD SCREW	STEEL
19	#10 X 1-1/2" PFH SMS	STEEL
20	10d FINISH NAIL 3" (1" MIN. EMBEDMENT)	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
31	3/16" X 1 3/4" DeWALT TAPCON	STEEL
32	#10 X 2" PFH WS	FOAM
35	TOP FLUSH BOLT STRIKE PLATE	STEEL
36	BASE FLUSH BOLT STRIKE PLATE	STEEL
39	3/16" X 2 3/4" DeWALT TAPCON	STEEL
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	MULTI-POINT 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
61	SILL PANEL STOP (SG >= 0.46)	WOOD
62	THRESHOLD (SG >= 0.46)	WOOD
63	ASTRAGAL RETAINER (SG >= 0.46)	WOOD
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

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1/4" MAX. SHIM SPACE	WOOD
B	2X BUCK SG>= 0.55	WOOD
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
F	#7 X 1-3/4" PFH SMS	SS
G	#8 X 5/8" PFH SMS	STEEL
H	LOCK STRIKE PLATE (0.100" THK.)	BRASS
N	1/4" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL
M	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
P	#6 X 1-1/2" SQUARE FLAT HEAD	STEEL
Q	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL



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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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