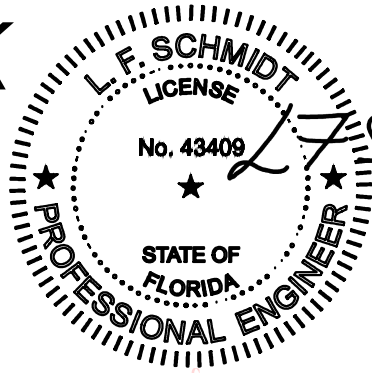


3379 EAST HWY. 46
REGISTER, GEORGIA 30452

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



Digitally signed by Lyndon F Schmidt
Date: 2023.10.12 08:21:05 -04'00'

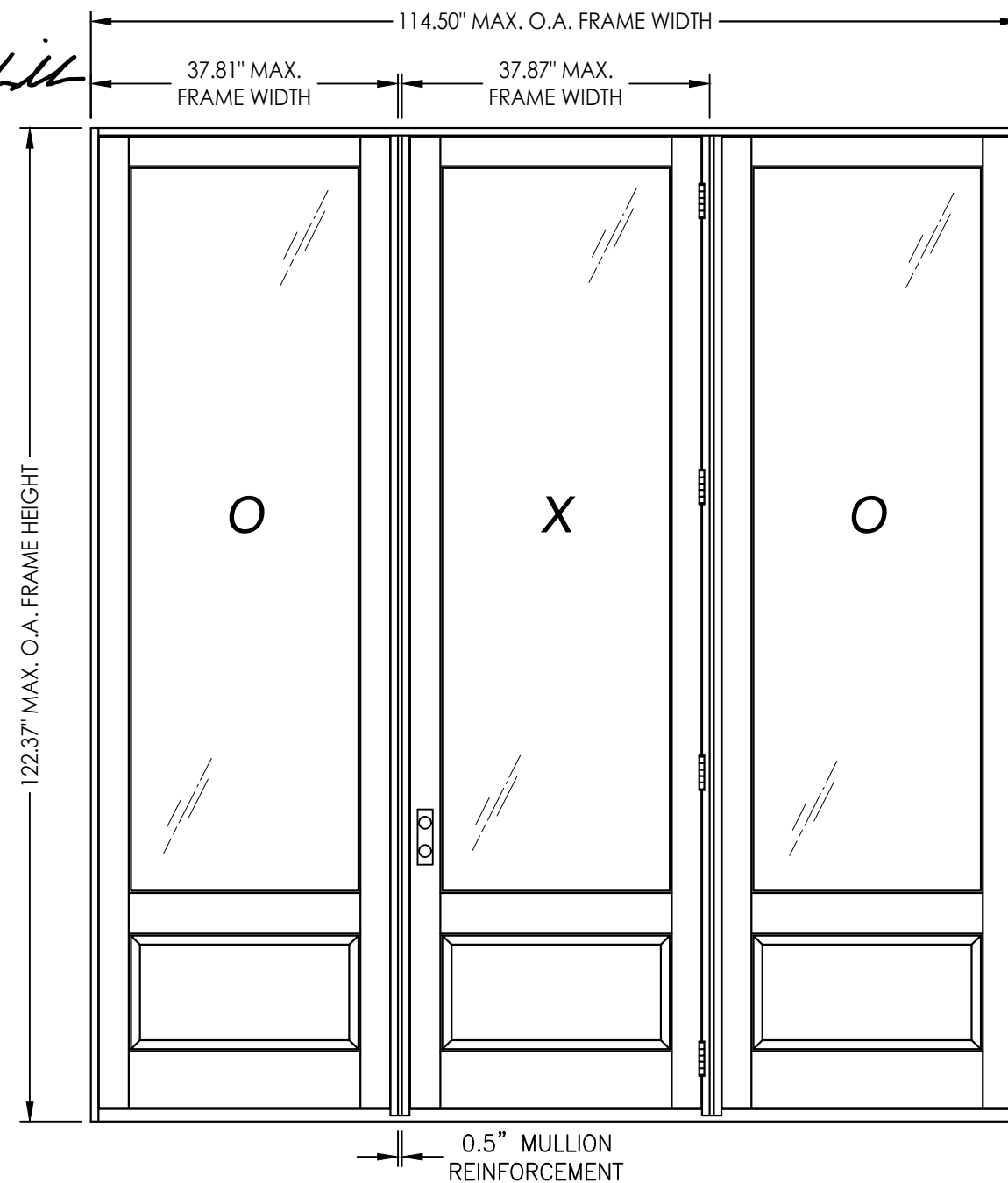
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

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 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 Glazed Detail
3	Opaque Door Panel Sections
4	Horizontal Cross Sections
5	Vertical Cross Sections
6	Buck and Frame Anchoring
7	Multi-point Lock Hardware Details
8	Hardware Details
9	Surface Bolt Hardware Details
10	Components
11	Bill of Materials & Components



LOCK TYPE	OVERALL FRAME DIMENSION	SWING	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
HOPPE HLS9000 SERIES MULTI-POINT LOCK	114.50"	INSWING	+55.0	-60.0
	x 122.37"	OUTSWING	+55.0	-55.0
SURFACE BOLTS EUREKO-DECO (France or Louis V)	114.50" 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

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

PRODUCT: GLAZED & OPAQUE
WOOD DOOR

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

[illegible]

DATE: 6/25/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15737.8

SHEET 1 OF 11

3
2

4
2

5/8" GLASS BITE

EXTERIOR

INTERIOR

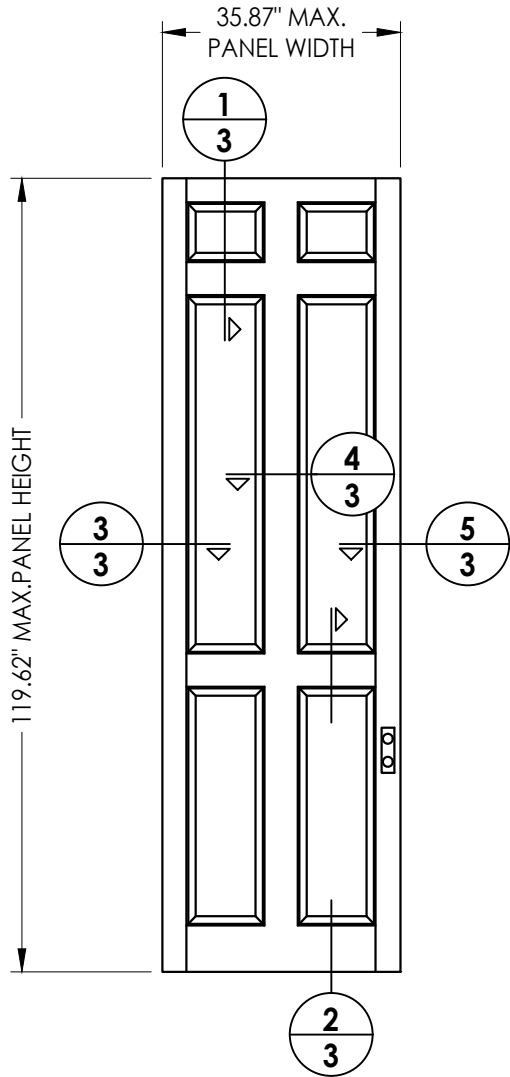
SEE NOTE 1

12

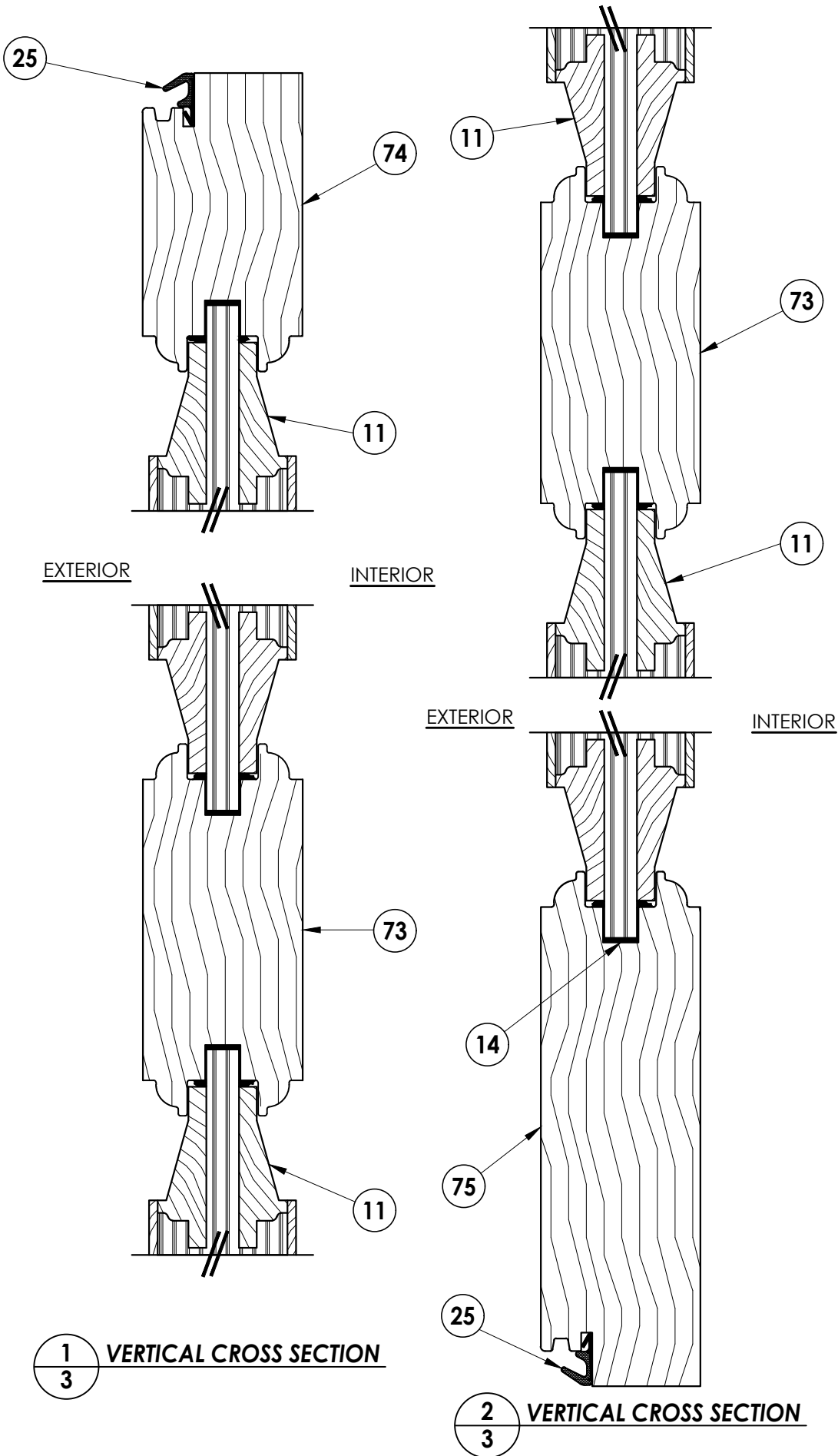
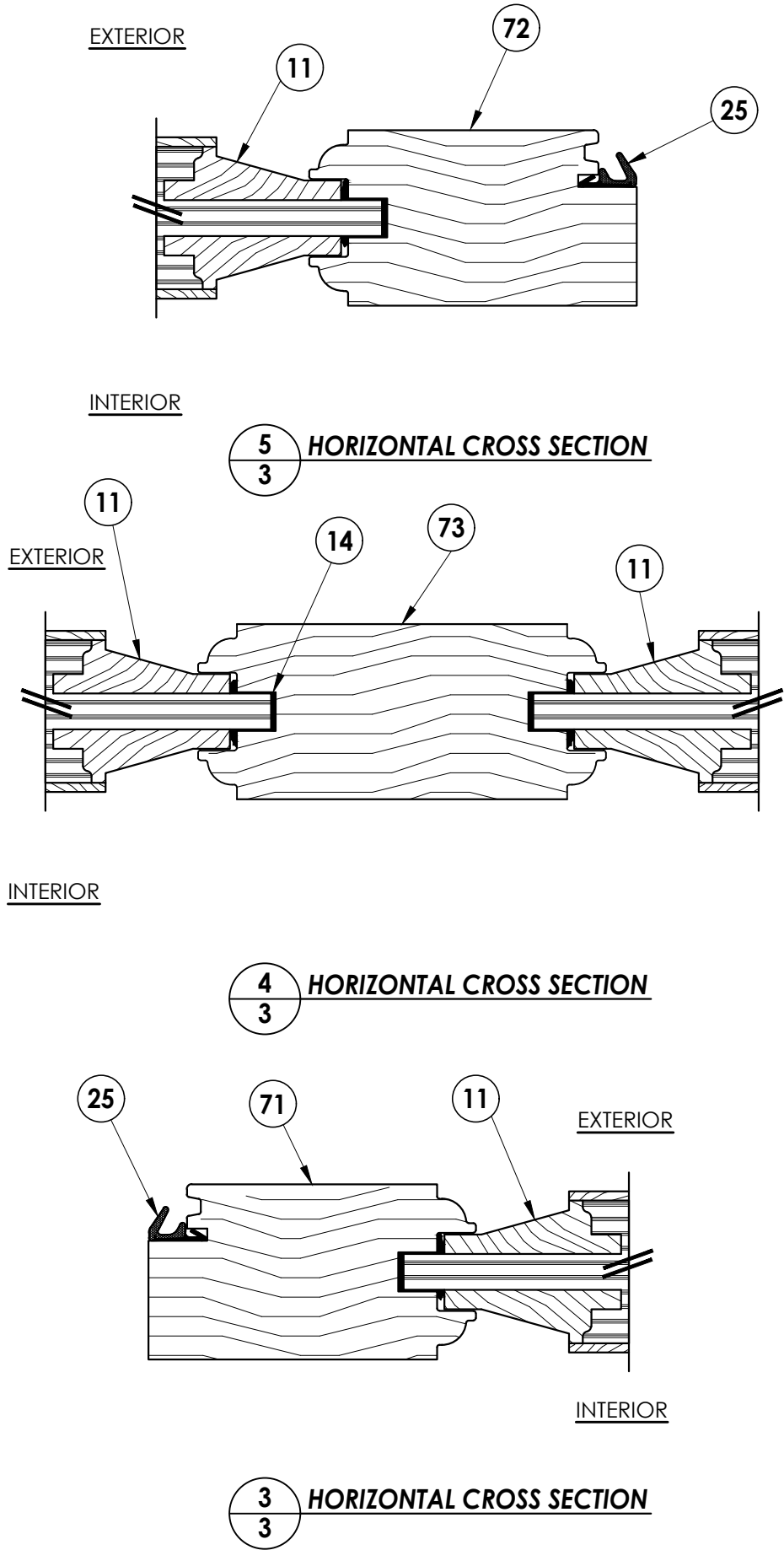
Technical drawing of a door assembly showing two cross-sections. The top section shows a door (8) with a handle (10) and a lock (12) mounted on a frame (11). The bottom section shows a door (9) with a handle (10) and a lock (12) mounted on a frame (11). The drawing includes labels for 'EXTERIOR' and 'INTERIOR' and a reference to 'SEE NOTE 2'.

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OPAQUE DOOR PANEL
Six panel model shown
Other models are available



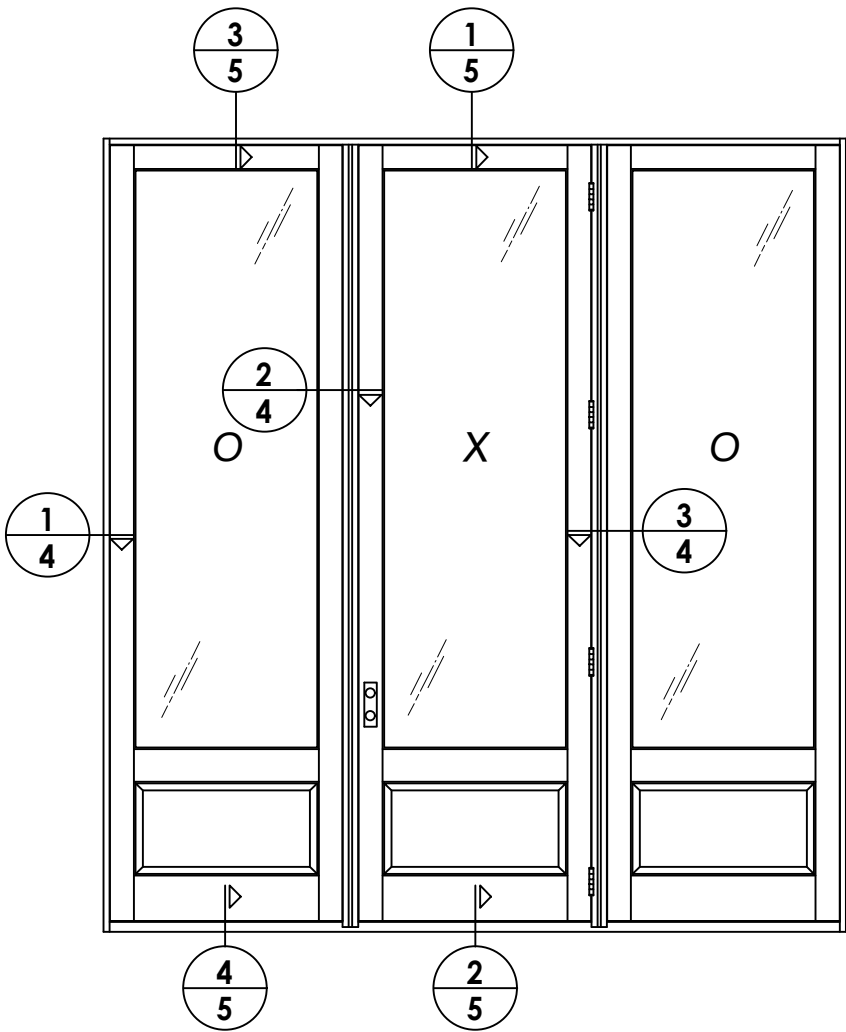
PRODUCT:		10' EURO FRAME GLAZED AND OPAQUE SINGLE WOOD DOOR WITH SIDELITE				PART OR ASSEMBLY:	
		LFS	LFS	LFS	LFS	OPAQUE DOOR PANEL SECTIONS	
NO.	DATE	REVISIONS				BY	
4	10/4/23	UPDATE TO 8TH ED. (2023)	FBC				
3	9/16/20	UPDATE TO 7TH ED. (2020)	FBC				
2	07/11/17	UPDATE TO 6TH ED. (2017)	FBC				
1	08/10/15	UPDATE TO 5TH ED. (2014)	FBC				

DATE: 6/25/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15737.8
SHEET 3 OF 11

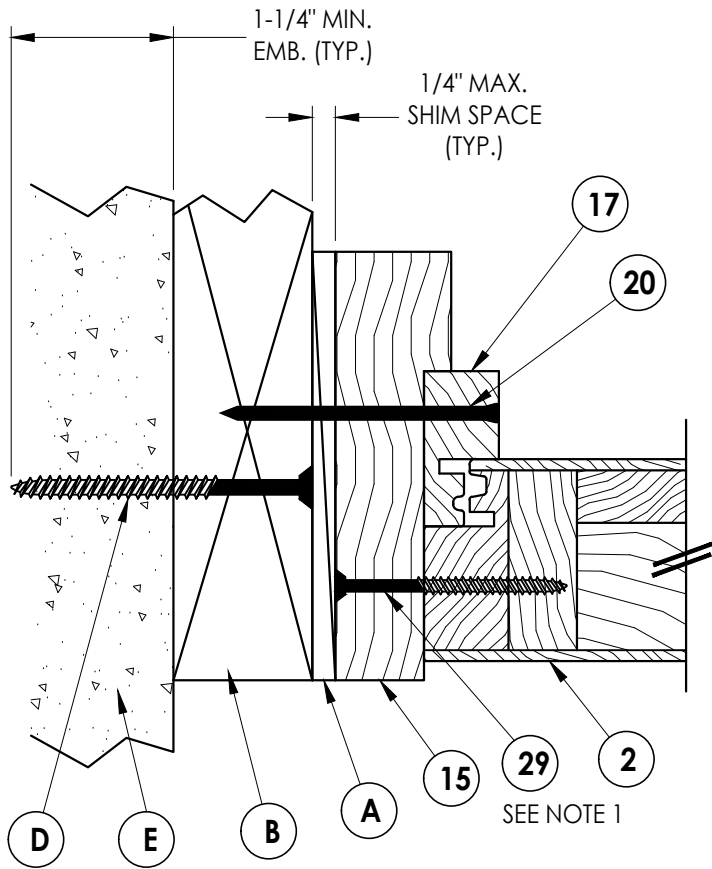
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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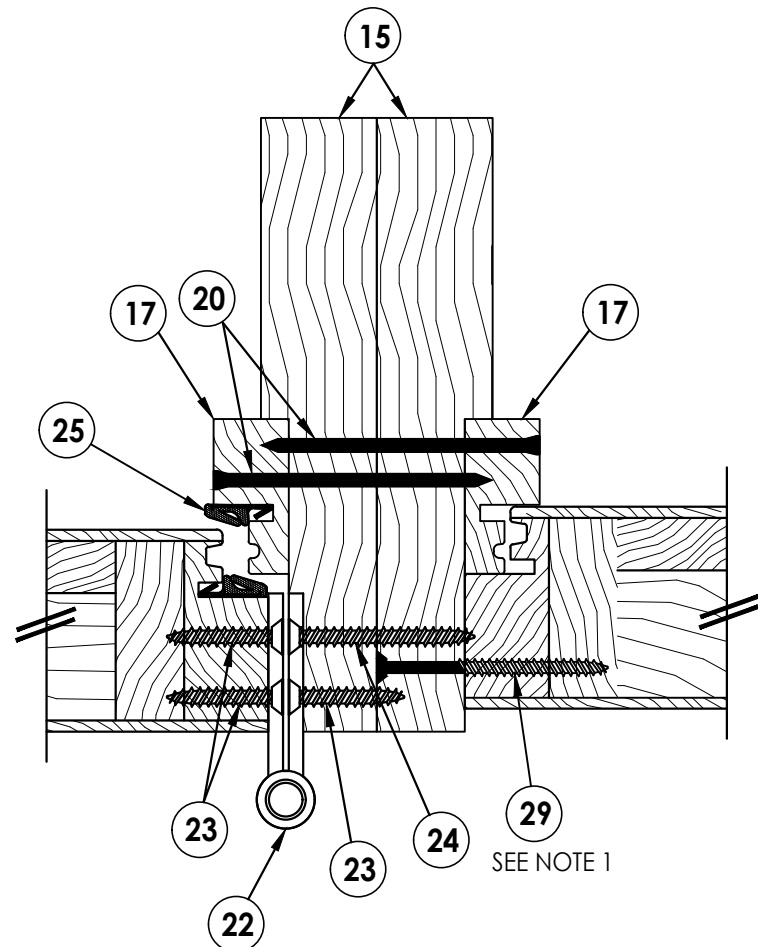


NOTE
1. ITEM #29 LOCATED 6" FROM TOP OF FRAME &
13-1/2" MAX. O.C. (TYP.) (9 SCREWS TOTAL).

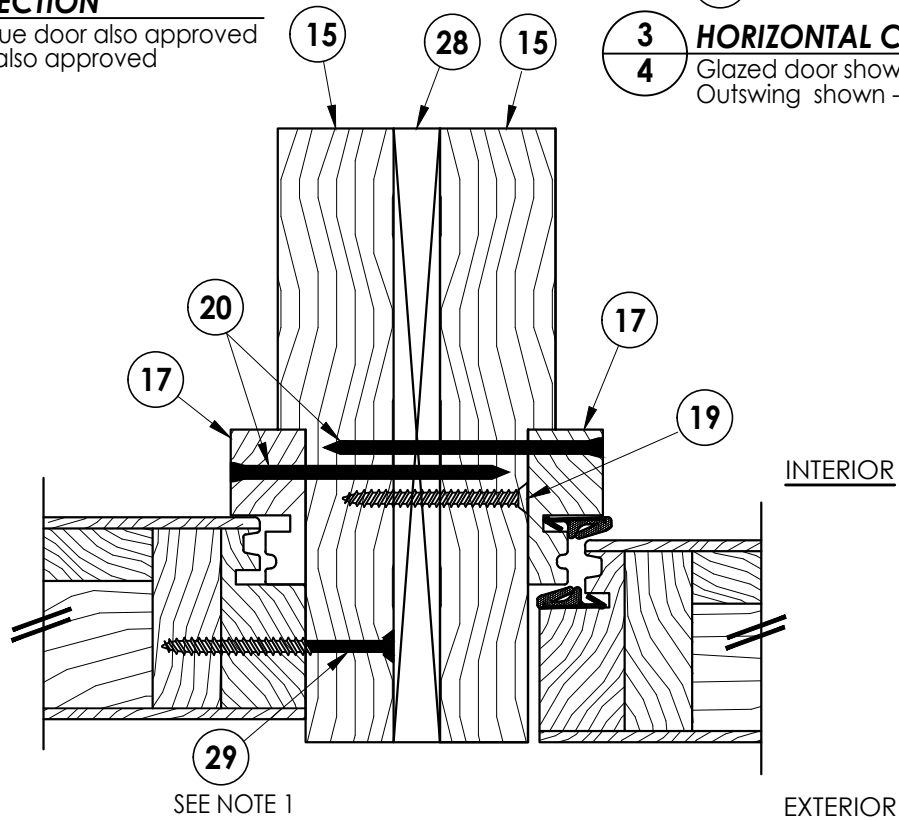


1
4 **HORIZONTAL CROSS SECTION**
Glazed door shown - opaque door also approved
Outswing shown - inswing also approved

INTERIOR
EXTERIOR



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

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

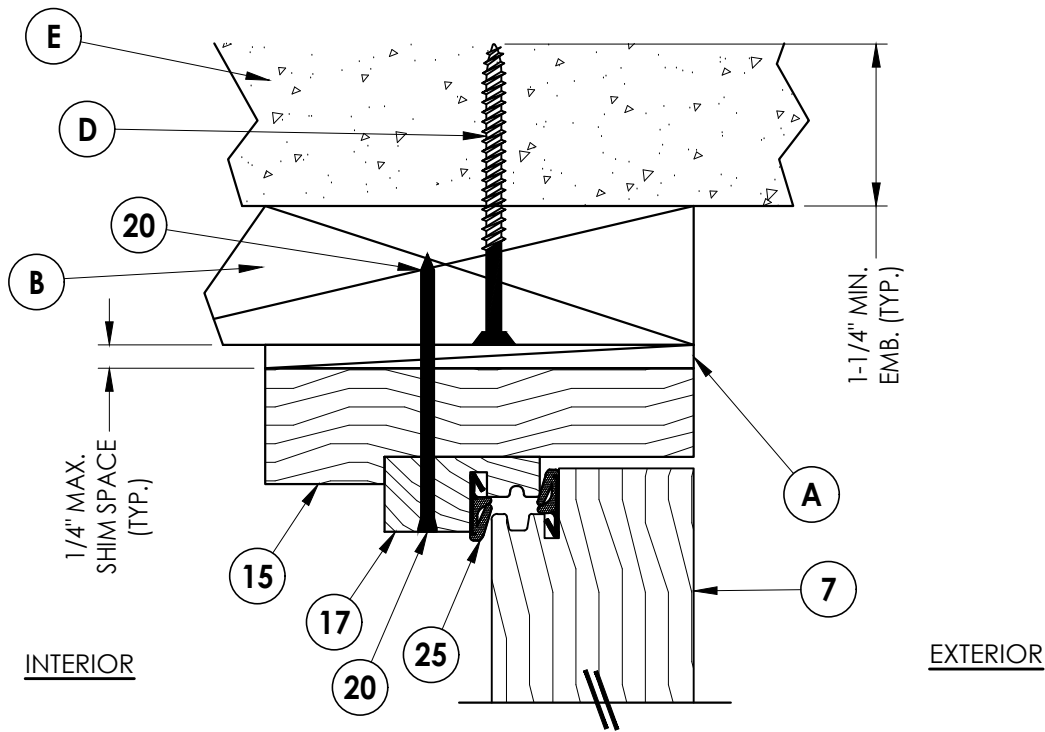
PRODUCT:
10' EURO FRAME GLAZED
AND OPAQUE SINGLE WOOD DOOR
WITH SIDELITES

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

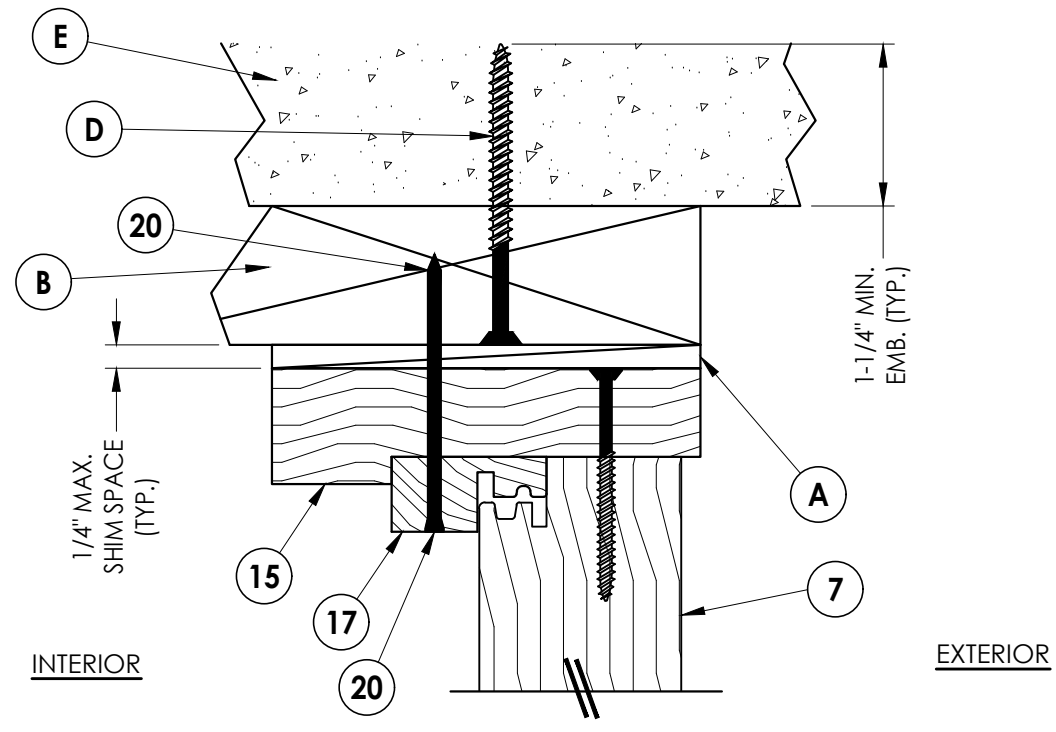
DATE: 6/25/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15737.8
SHEET 4 OF 11

RW BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

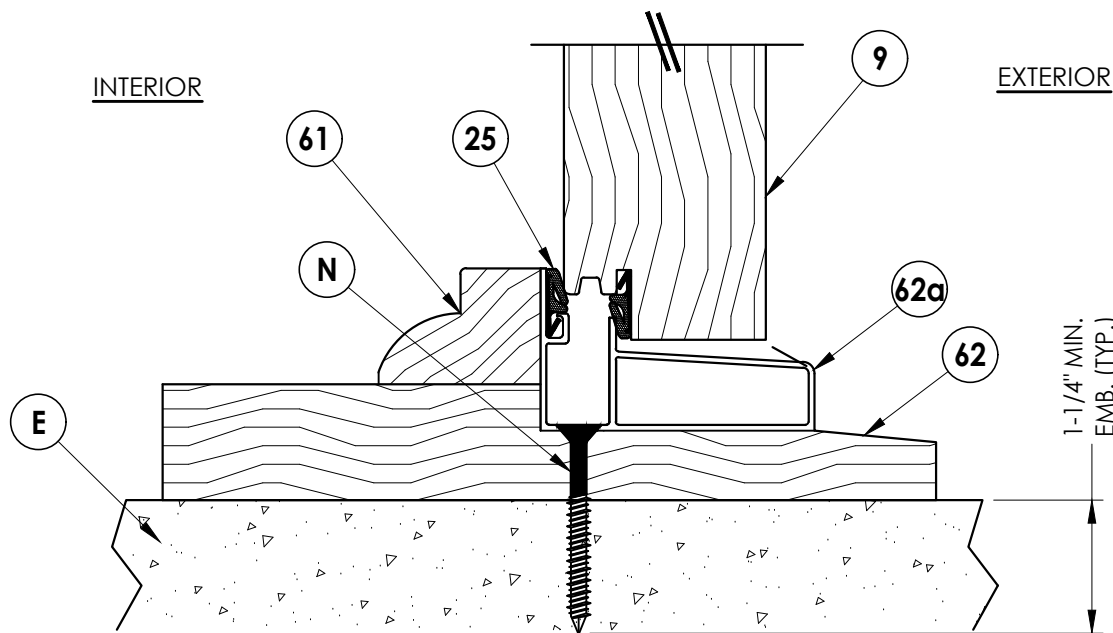
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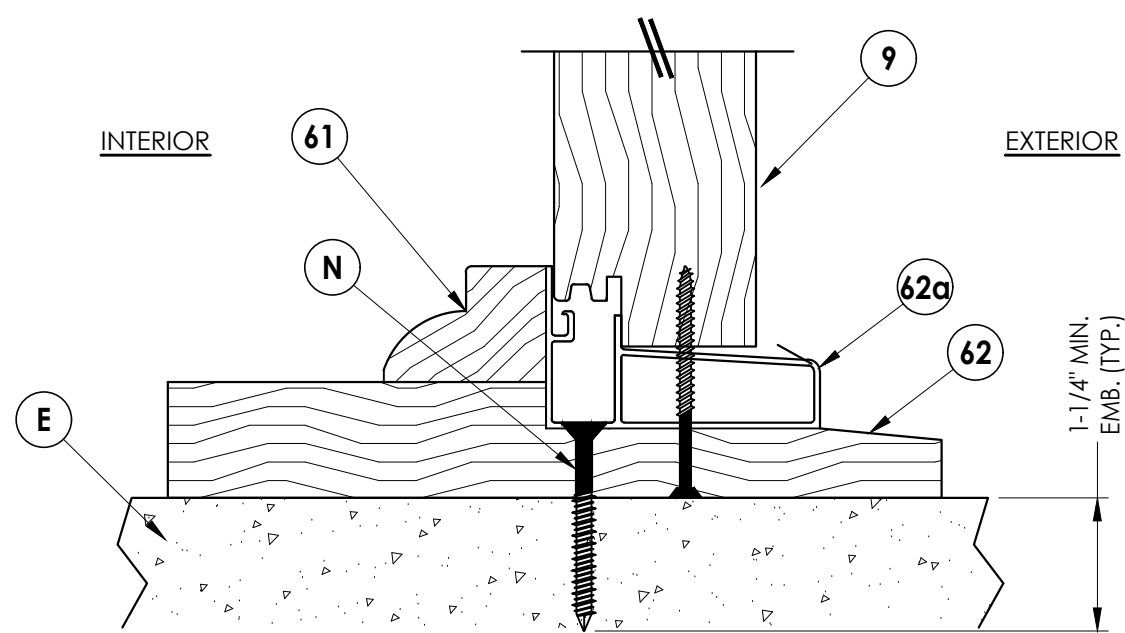
1
5 **VERTICAL CROSS SECTION**
Glazed door shown - opaque door also approved
Outswing shown - inswing also approved



3
5 **VERTICAL CROSS SECTION**
Glazed door shown - opaque door also approved
Outswing shown - inswing also approved



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



4
5 **VERTICAL CROSS SECTION**
Glazed door shown - opaque door also approved
Outswing shown - inswing also approved

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

PRODUCT:
10' EURO FRAME GLAZED
AND OPAQUE SINGLE WOOD DOOR
WITH SIDELITES

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

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

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

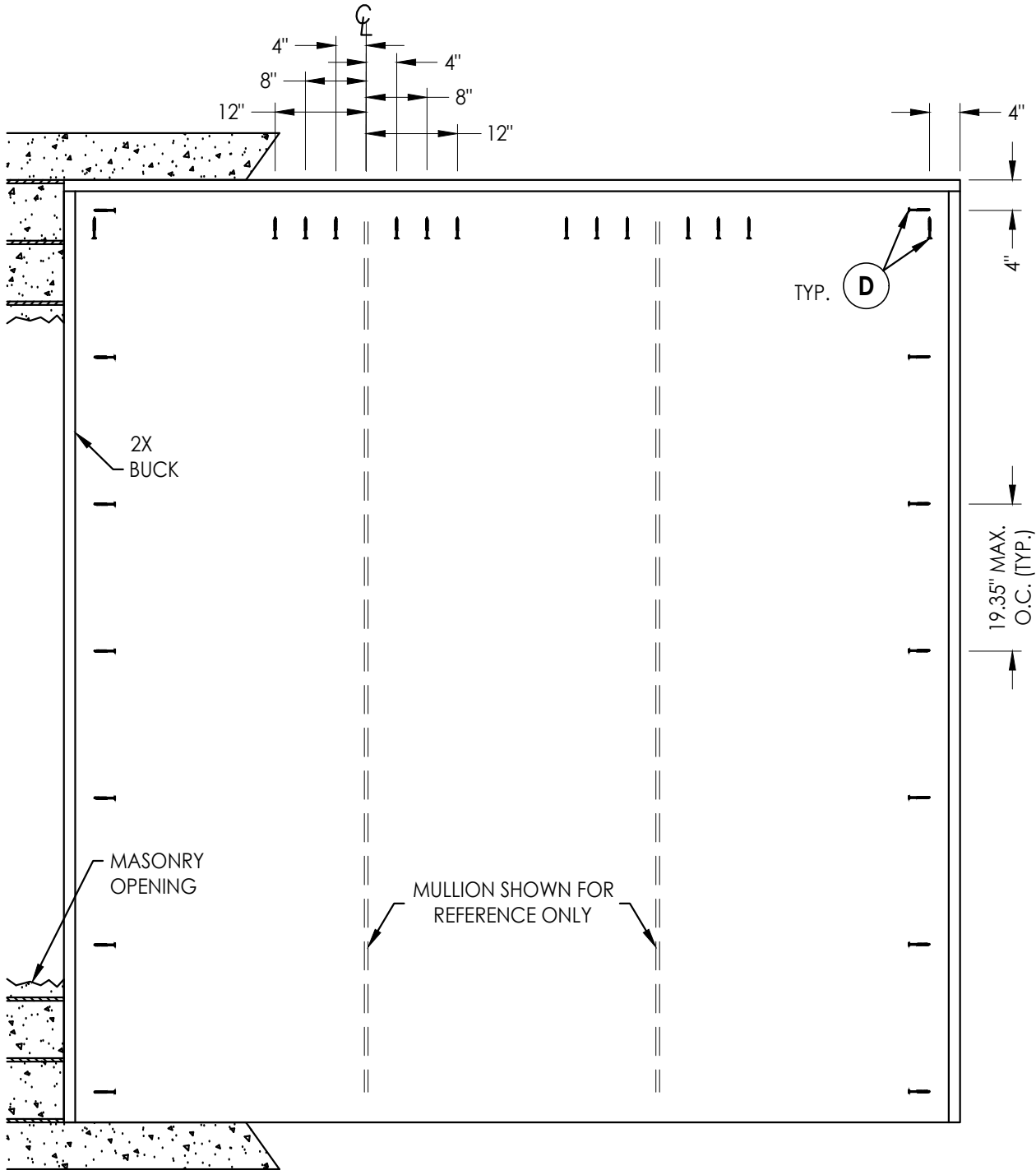
DRAWING NO.:

FL-15737.8

SHEET 5 OF 11

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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BUCK ANCHORING

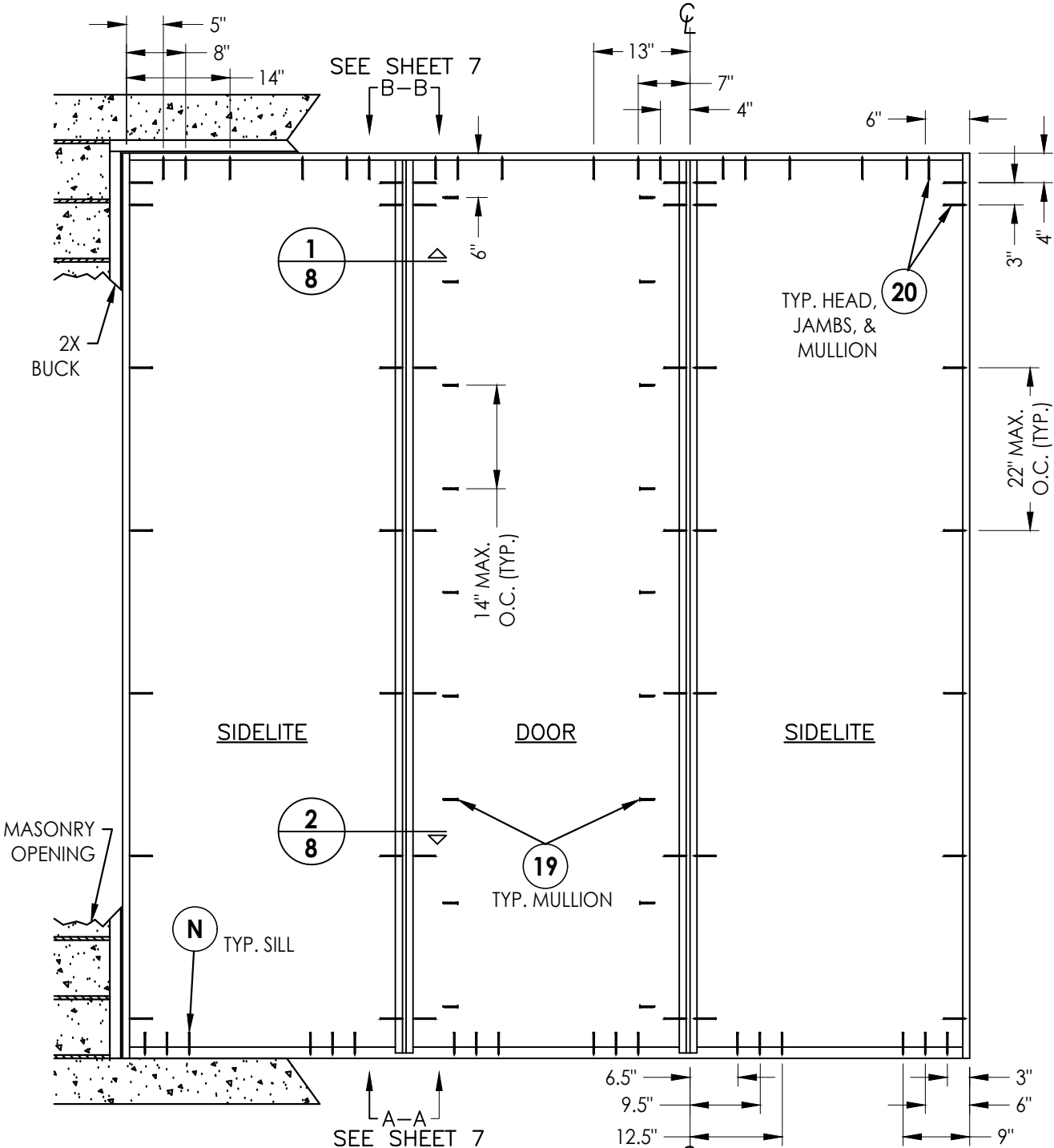
CONCRETE ANCHOR NOTES:

- 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.



FRAME ANCHORING

Masonry 2X buck construction

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
10' EURO FRAME GLAZED
AND OPAQUE SINGLE WOOD DOOR
WITH SIDELITES
PART OR ASSEMBLY:

BUCK AND FRAME ANCHORING

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
		BY

DATE: 6/25/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

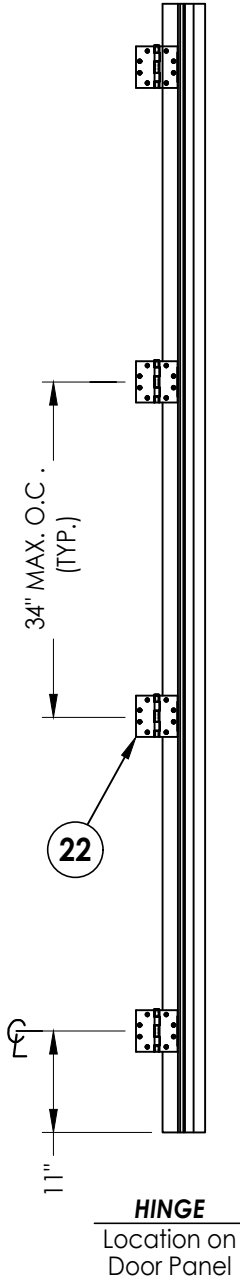
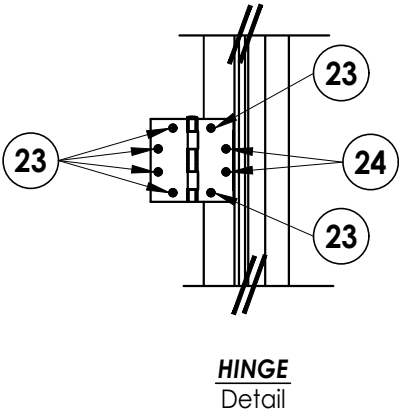
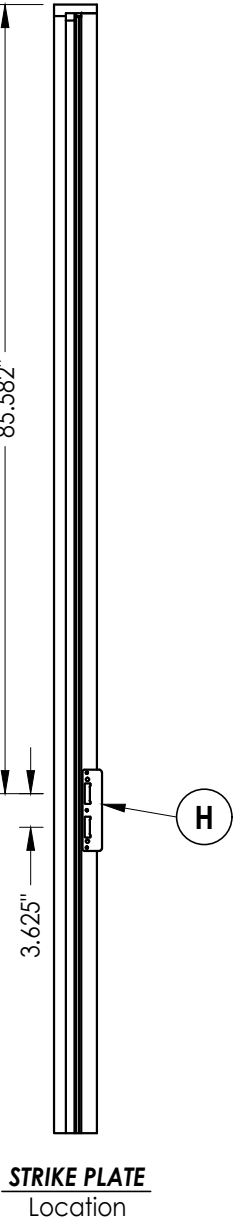
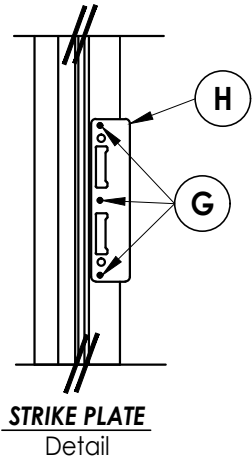
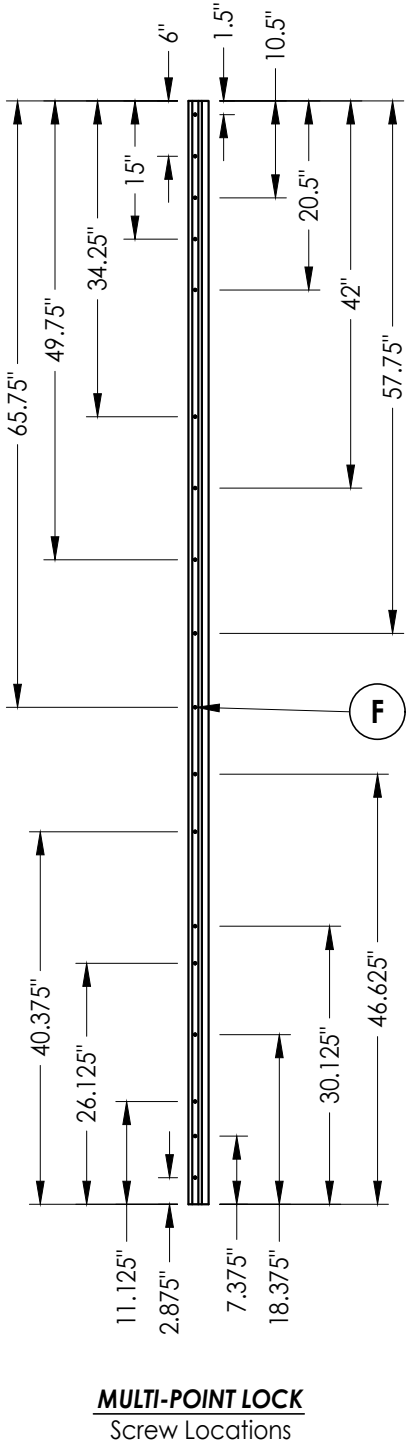
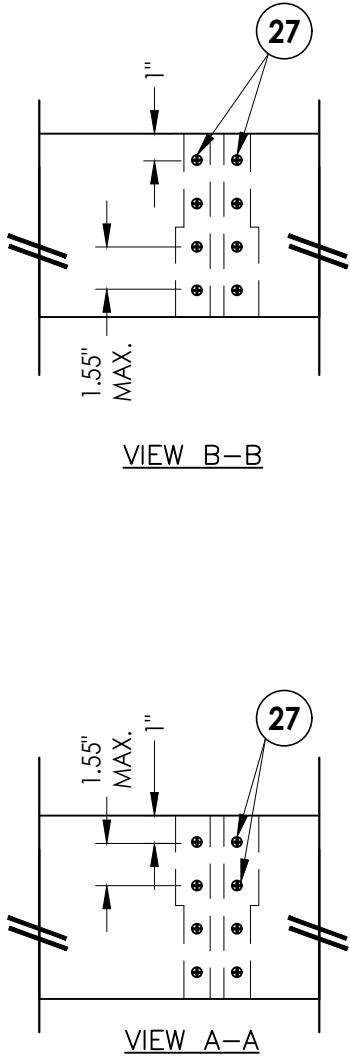
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FL-15737.8

SHEET 6 OF 11

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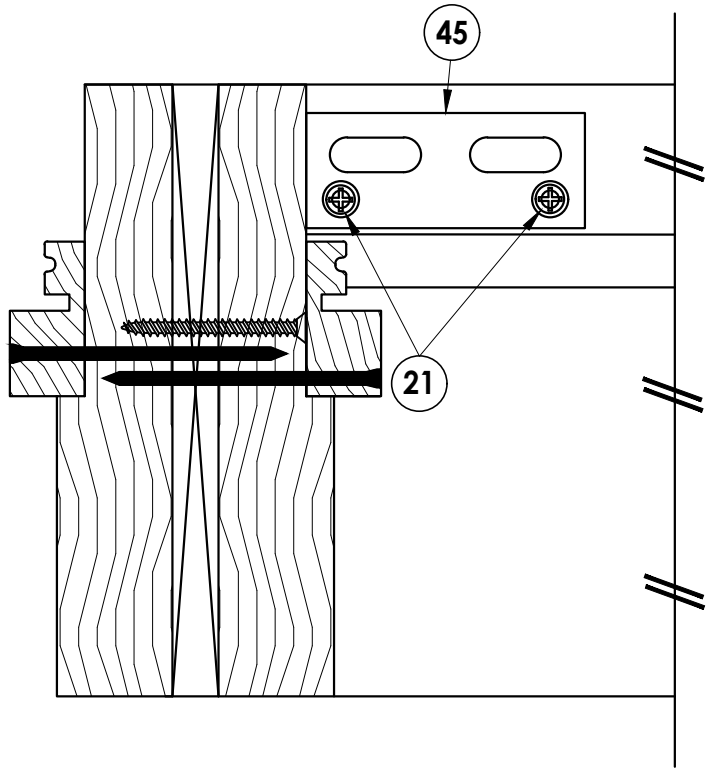
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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15737.8
SHEET	7 OF 11

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
		BY

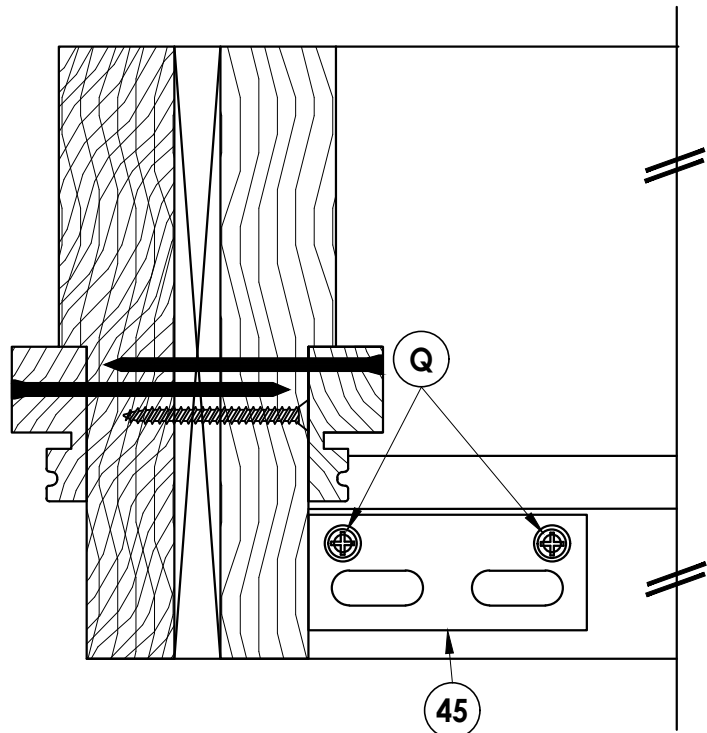
PRODUCT:	10' EURO FRAME GLAZED AND OPAQUE SINGLE WOOD DOOR WITH SIDELITES
PART OR ASSEMBLY:	MULTI-POINT LOCK HARDWARE DETAILS

Documents Prepared By:	Lyndon F. Schmidt P.E. No. 43409
	<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813

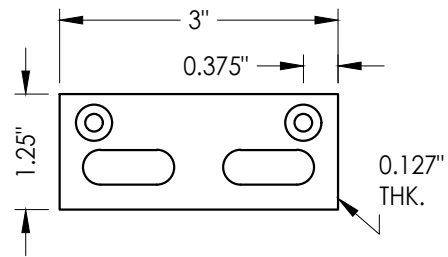
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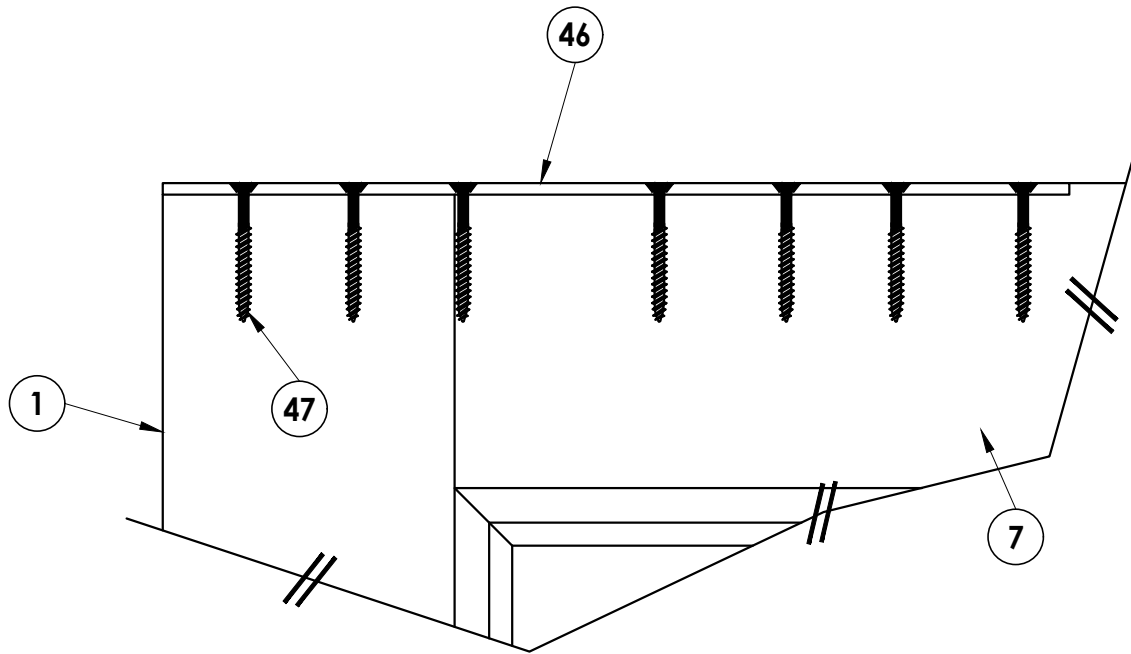
1
8 **MULTI-POINT STRIKE DETAIL**
Looking Up @ Head



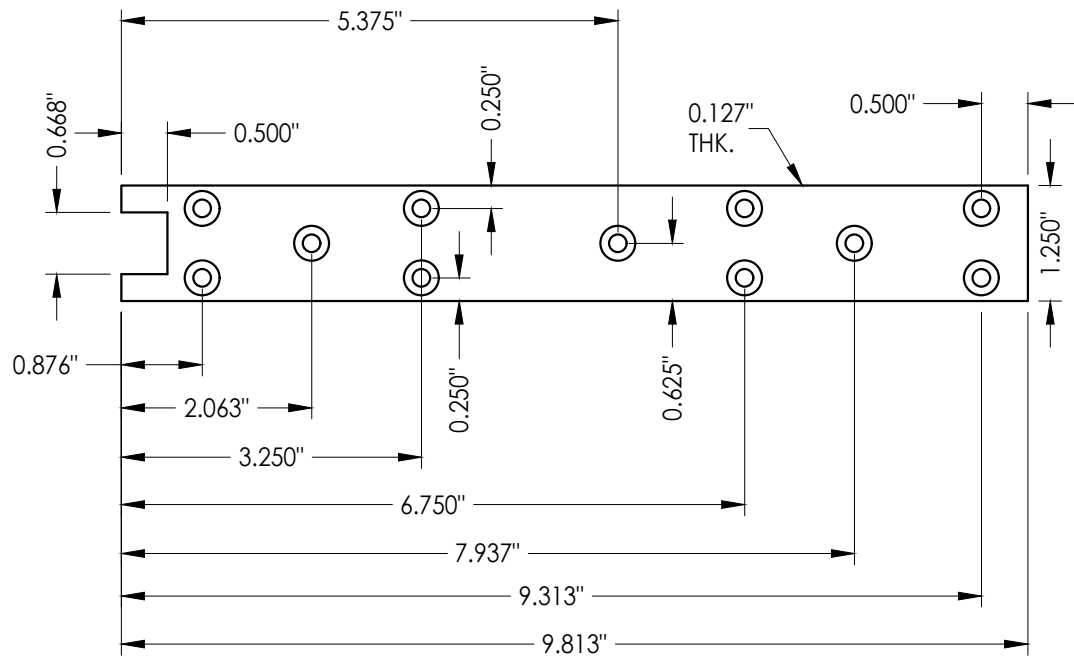
2
8 **MULTI-POINT STRIKE DETAIL**
Looking Down @ Sill



45 **MULTI-POINT STRIKE PLATE**
@ Head & Sill
Single Door



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 SINGLE WOOD DOOR WITH SIDELITES		PART OR ASSEMBLY:		HARDWARE DETAILS	
		LFS	(2023) FBC	LFS			
		LFS	(2020) FBC	LFS			
		LFS	(2017) FBC	LFS			
		LFS	(2014) FBC	LFS			
NO.	DATE	REVISIONS					

DATE: 6/25/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

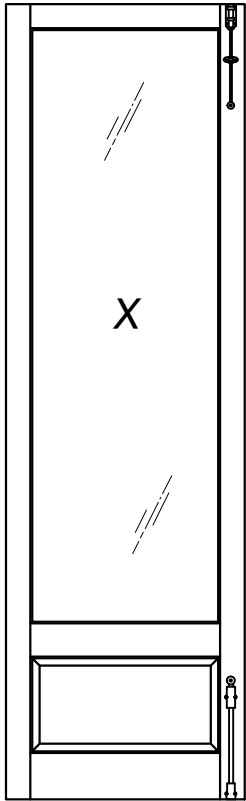
FL-15737.8

SHEET 8 OF 11

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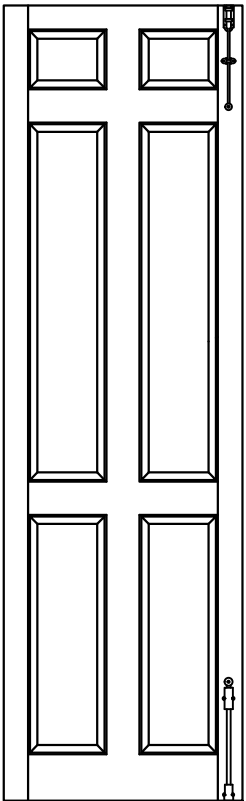
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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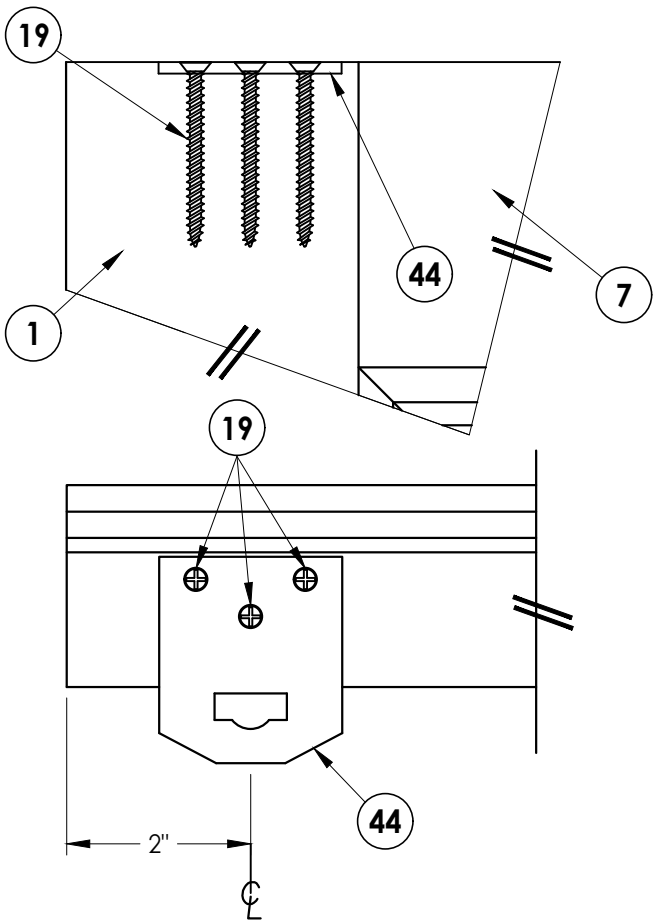
SURFACE BOLTS

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



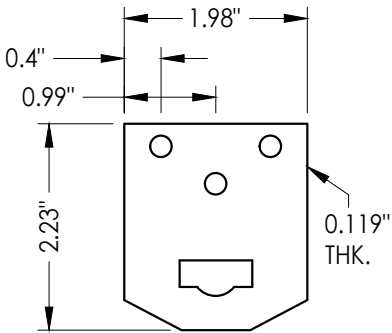
SURFACE BOLTS

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



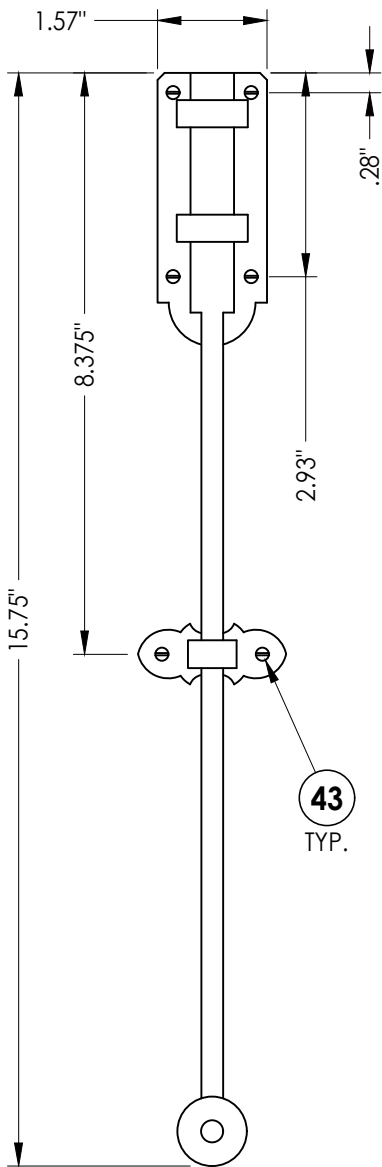
SURFACE BOLT STRIKE PLATE

Attachment to Panel Detail
Typ. Top & Bottom
of Door panel



44 SURFACE BOLT STRIKE PLATE

@ Head & Sill
Typ. Panel & frame



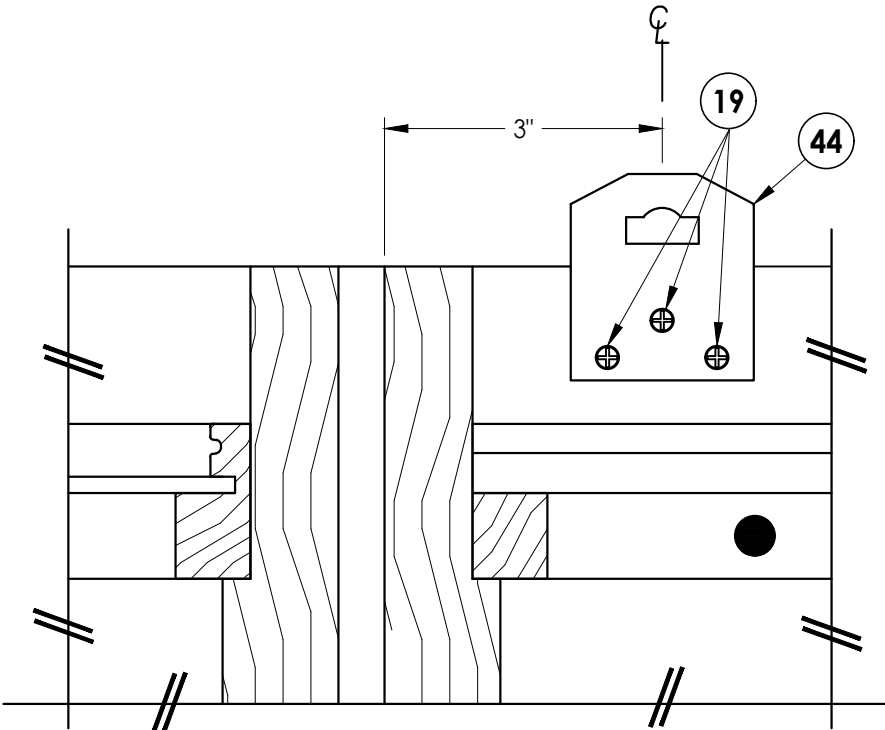
41 EUREKO-DECO

France
Surface Bolt



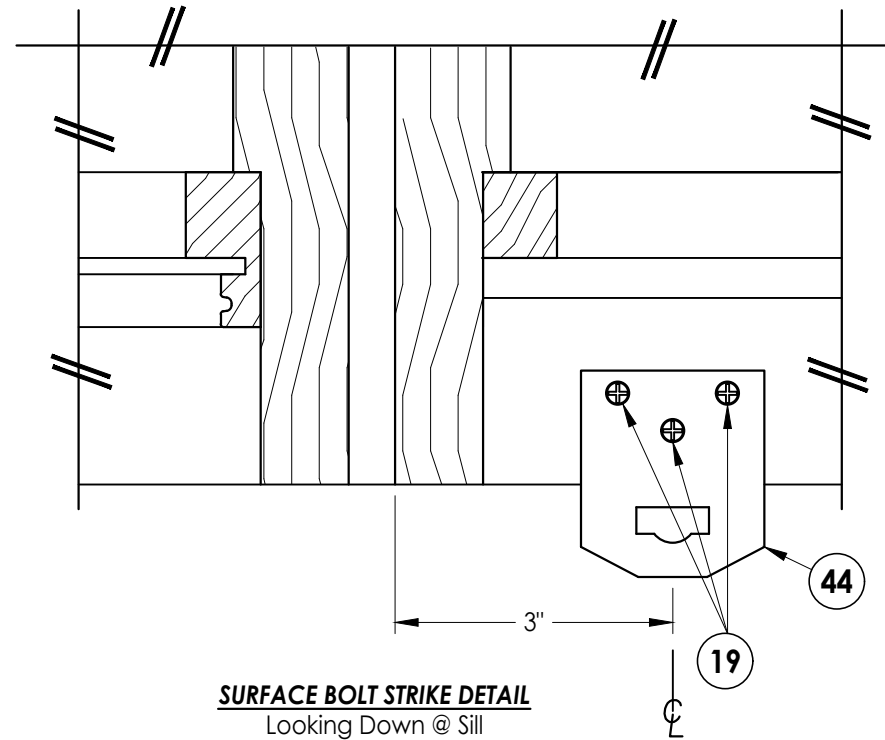
42 EUREKO-DECO

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, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
10' EURO FRAME GLAZED
AND OPAQUE SINGLE WOOD DOOR
WITH SIDELITES

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	07/11/17	UPDATE TO 6TH ED. (2017) FBC
1	08/10/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 6/25/12

SCALE: N.T.S.

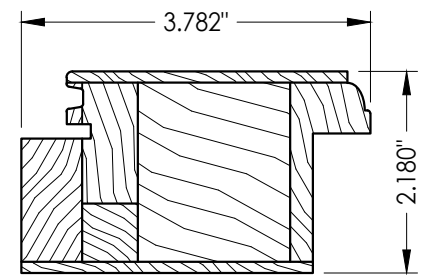
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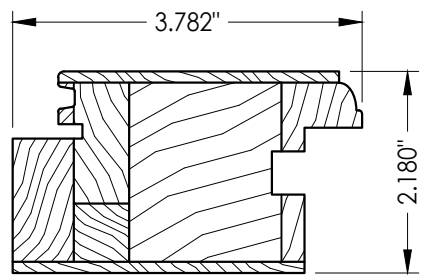
DRAWING NO.: FL-15737.8

SHEET 9 OF 11

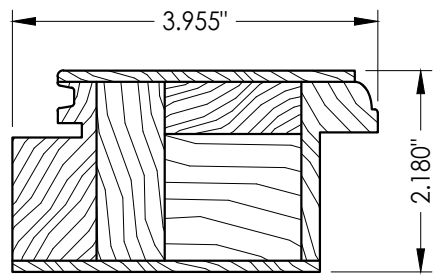
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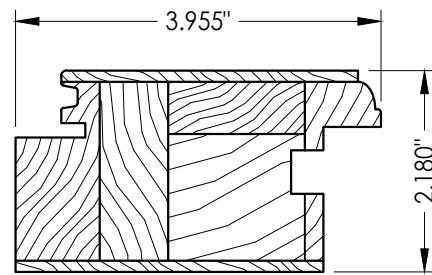
1 **LATCH STILE**
For Glazed Door
Glass Infil



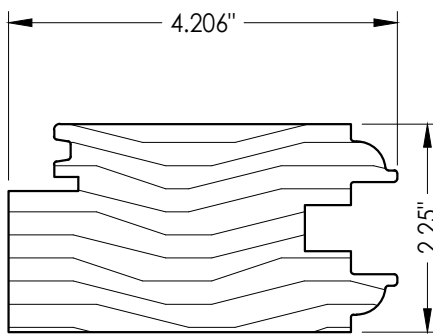
2 **LATCH STILE**
For Glazed Door
Panel Infil



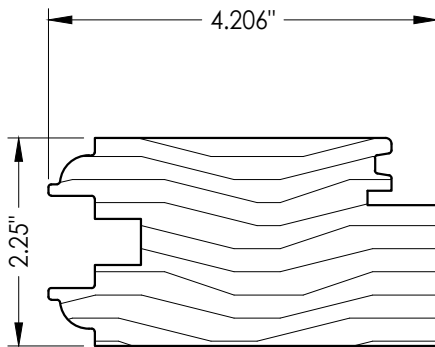
3 **HINGE STILE**
For Glazed Door
Glass Infil



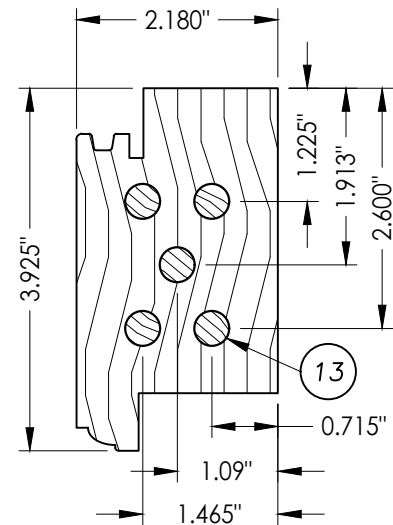
4 **HINGE STILE**
For Glazed Door
Panel Infil



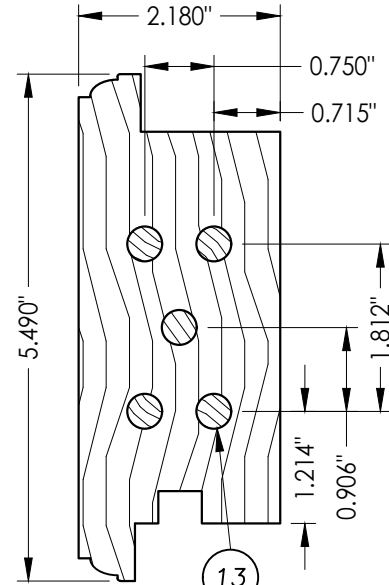
71 **LATCH STILE**
Opaque Door



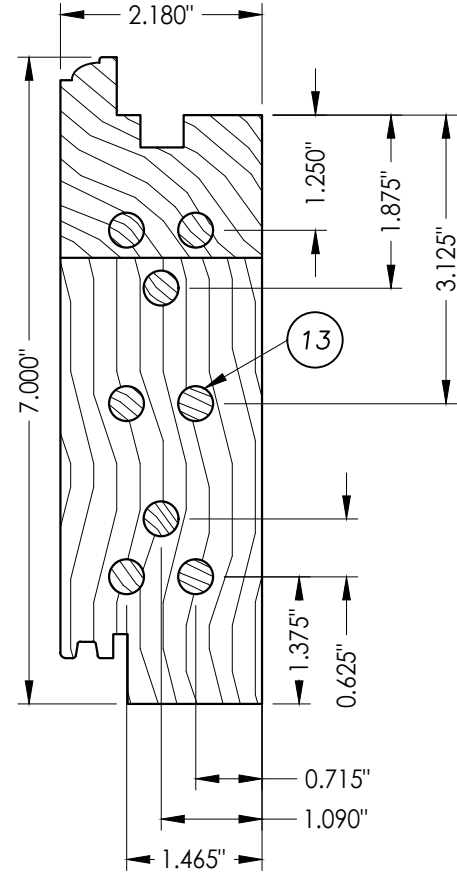
72 **HINGE STILE**
Opaque Door



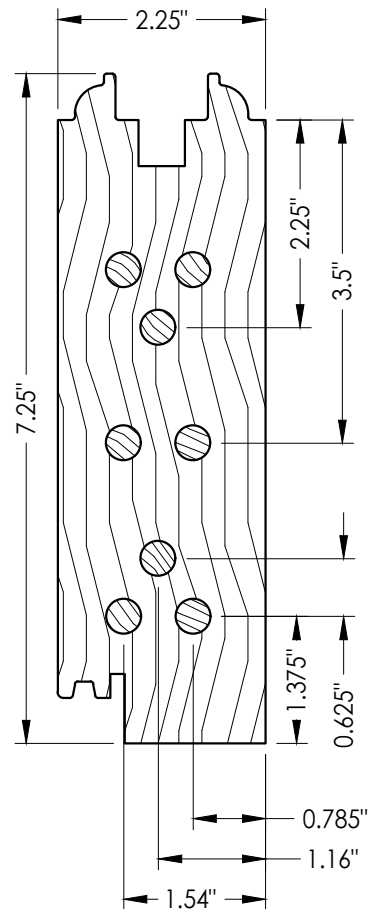
7 **TOP RAIL**
Glazed Door



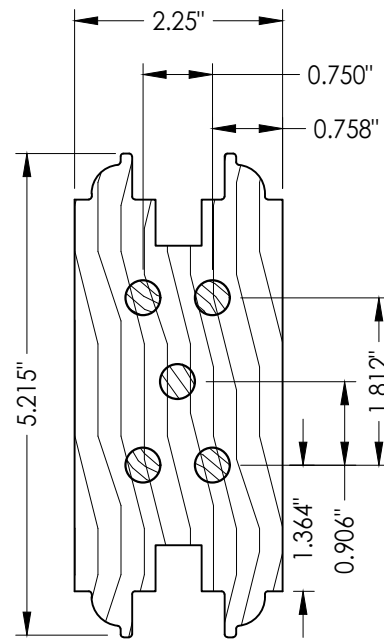
8 **MID RAIL**
Glazed Door



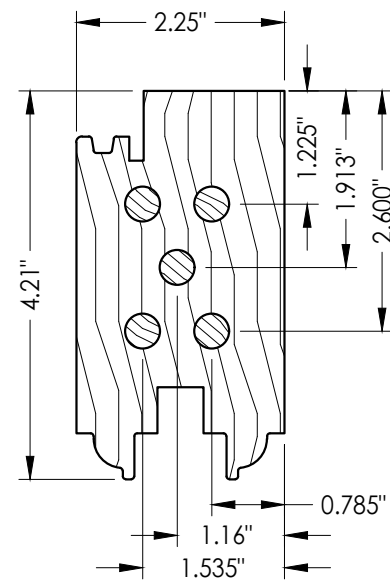
9 **BOTTOM RAIL**
Glazed Door



75 **BOTTOM RAIL**
Opaque Door



73 **MID RAIL**
Opaque Door



74 **TOP RAIL**
Opaque Door

PRODUCT:
10' EURO FRAME GLAZED
AND OPAQUE SINGLE WOOD DOOR
WITH SIDELITES
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-15737.8

SHEET 10 OF 11

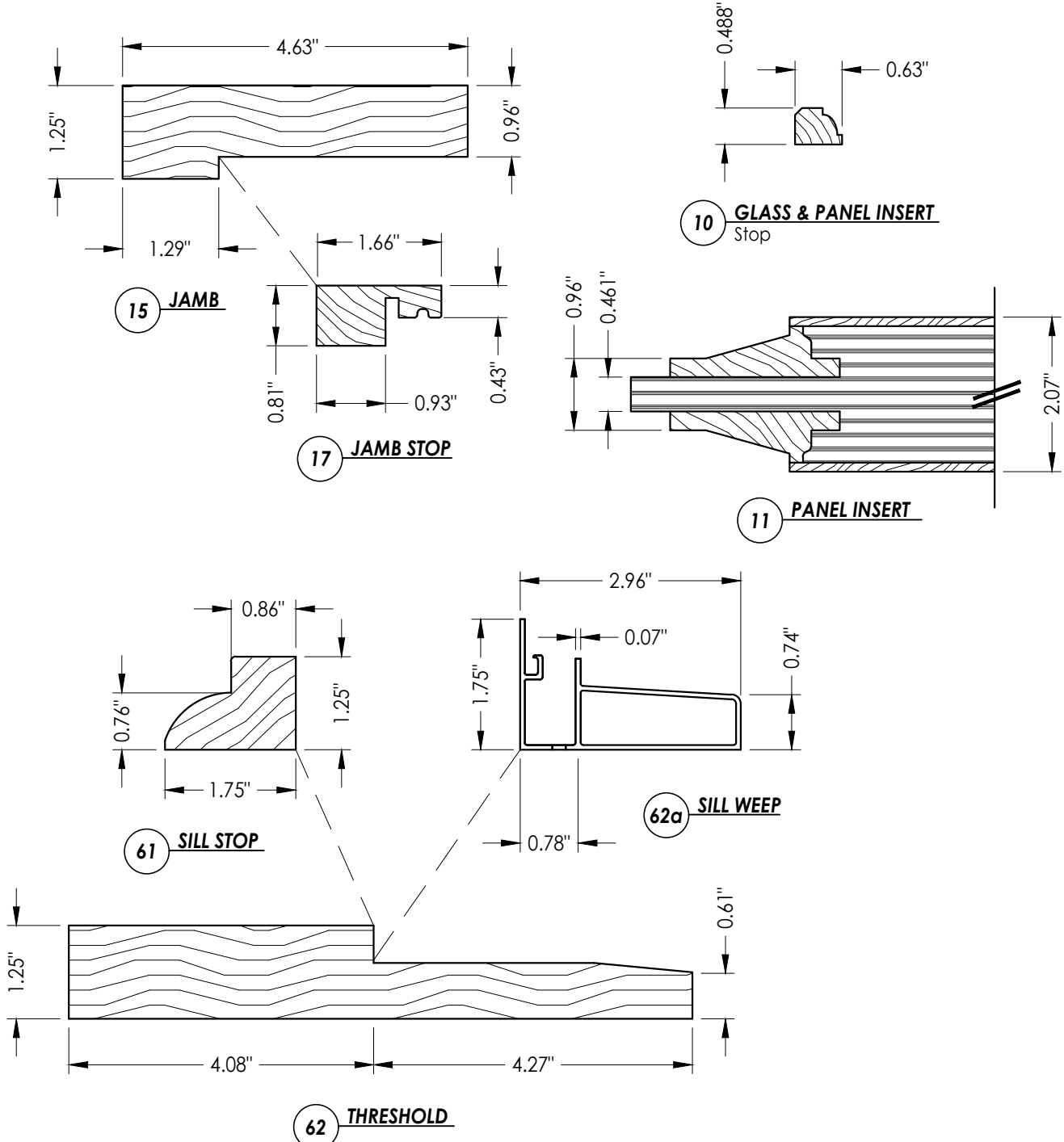
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

Z:\2023 FBC Drawings\Brannen Millwork\FL-15737 R5 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 INSERT (SG >= 0.46)	WOOD
3	HINGE STILE FOR GLASS (SG >= 0.46)	WOOD
4	HINGE 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
27	#10 X 3" PFH WS	STEEL
28	1/2" MULLION REINFORCEMENT	WOOD
29	#10 X 2-1/2" PFH WS	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
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	ST. STEEL
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
Q	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL



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PRODUCT: 10' EURO FRAME, GLAZED AND OPAQUE SINGLE WOOD DOOR WITH SIDELITES		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
		LFS	BY
		LFS	
		LFS	
		LFS	
		LFS	
		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
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DATE: 6/25/12			
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DRAWING NO.: FL-15737.8			
SHEET 11 OF 11			