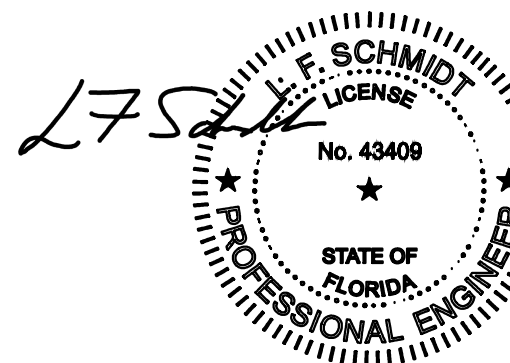


145 KING STREET
CHARLESTON, SC 29401

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" (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 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 E1996 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	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck & frame anchoring
6	Buck & frame anchoring
7	Surface bolt details
8	Bill of materials and components

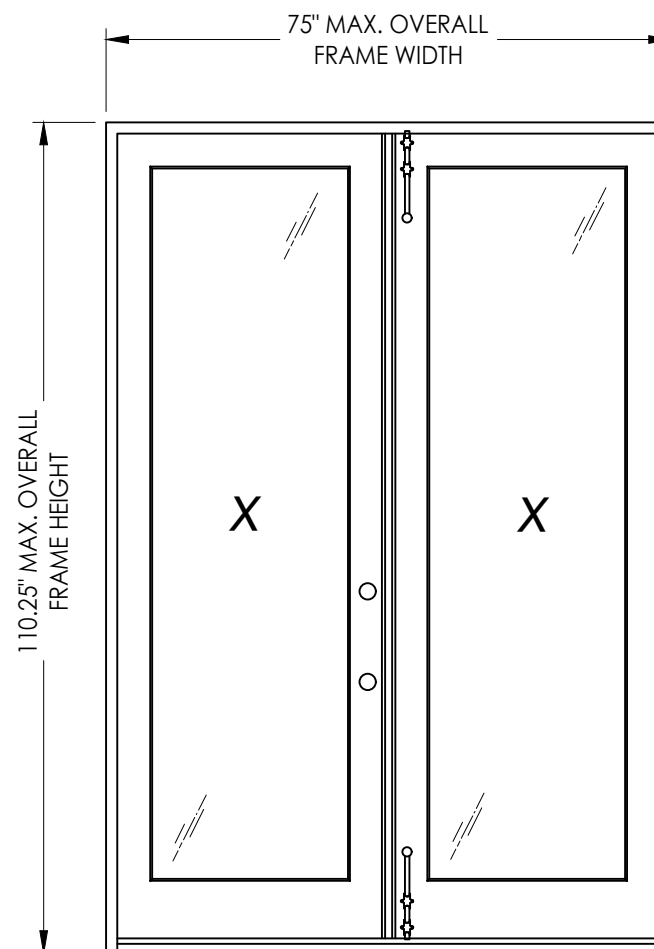


Digitally signed by
Lyndon F Schmidt
Date: 2023.09.14
14:11:59 -04'00'

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



ARCH TOP FULL GLAZED PANELS SHOWN
w/ SURFACE BOLTS

FULL GLAZED PANELS SHOWN
w/ KNOB & DEADBOLT

MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)		LOCK HARDWARE * (Active Door)
	POSITIVE	NEGATIVE	
75.0" x 110.25"	+55.0	-55.0	Kwikset Knob & Deadbolt or Surface Bolts

***NOTE: Surface bolts are always required on inactive door.**

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

R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	MILLWORK ARTISANS WOOD DOOR
PART OR ASSEMBLY:	TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES

[illegible]

DATE: 06/26/12

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15751..

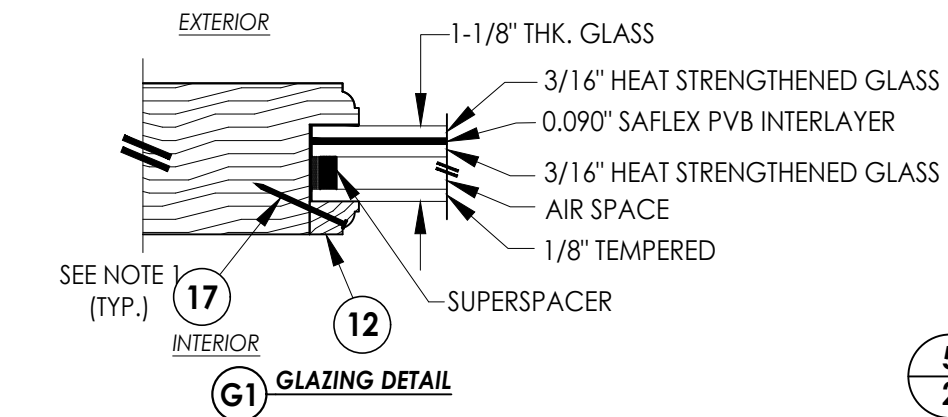
SHEET 1 OF 8

Technical drawing of a rectangular panel. The overall dimensions are 36" MAX. PANEL WIDTH and 94.25" MAX. D.L.O. HEIGHT. The panel features a central rectangular area with a double border. A large 'X' is drawn across this central area. Two circular callouts are present: one at the top center labeled '1' over '2', and another on the left side labeled '2' over '2'. A dimension of 26" MAX. D.L.O. WIDTH is indicated at the top. On the right side, two circular features are shown with arrows pointing to them, with dimensions of 12" and 33 8/5" indicated between them.

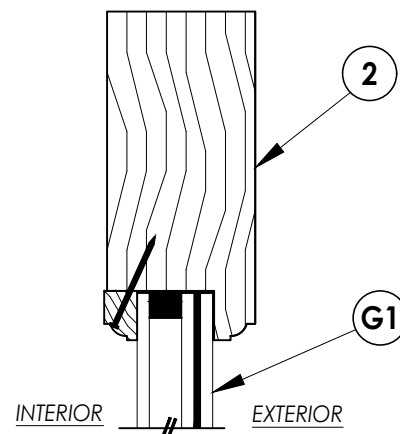
1 VERTICAL CROSS SECTION

DEADBOLT: KWIKSET
SIGNATURE SERIES (980)

NOB: KWIKSET
SIGNATURE SERIES

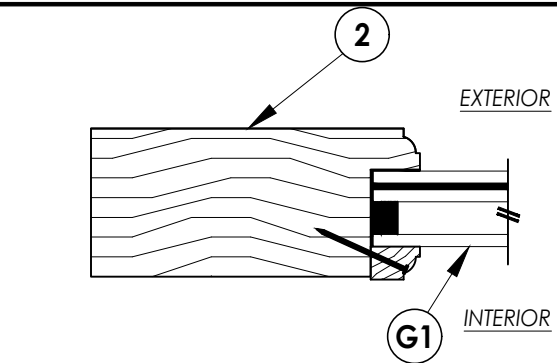


GLAZING DETAIL

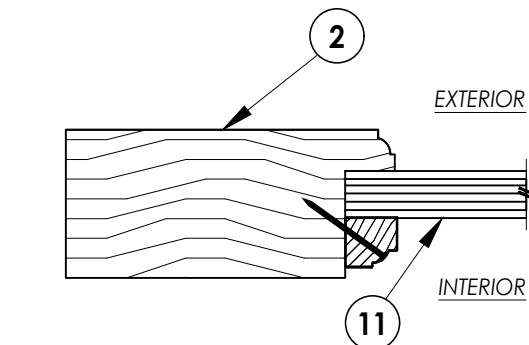


1 VERTICAL CROSS SECTION

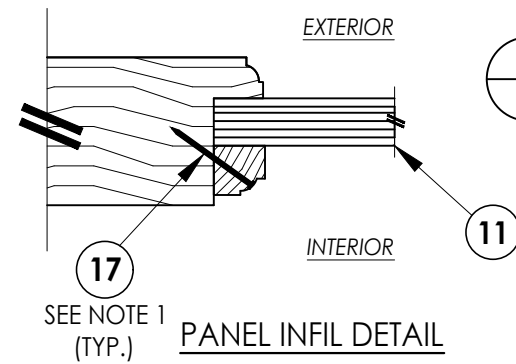
2 **HORIZONTAL CROSS SECTION**



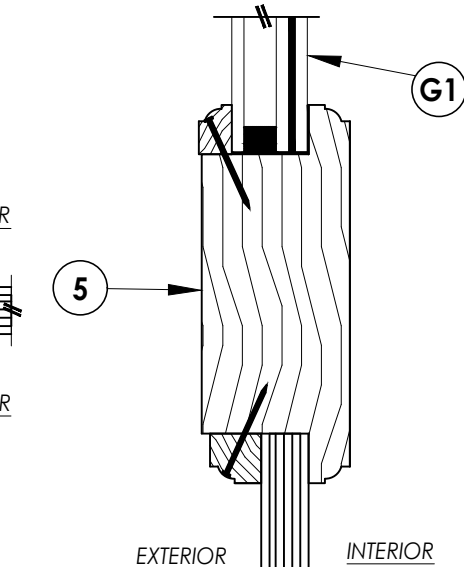
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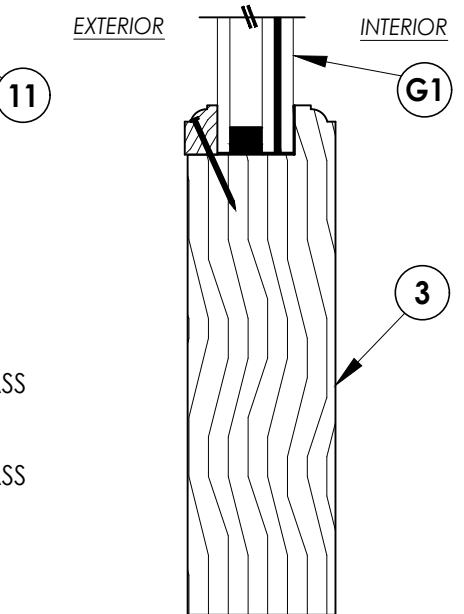
3 HORIZONTAL CROSS SECTION



SEE NOTE 1
(TYP.) PANEL INFIL DETAIL



4 VERTICAL CROSS SECTION



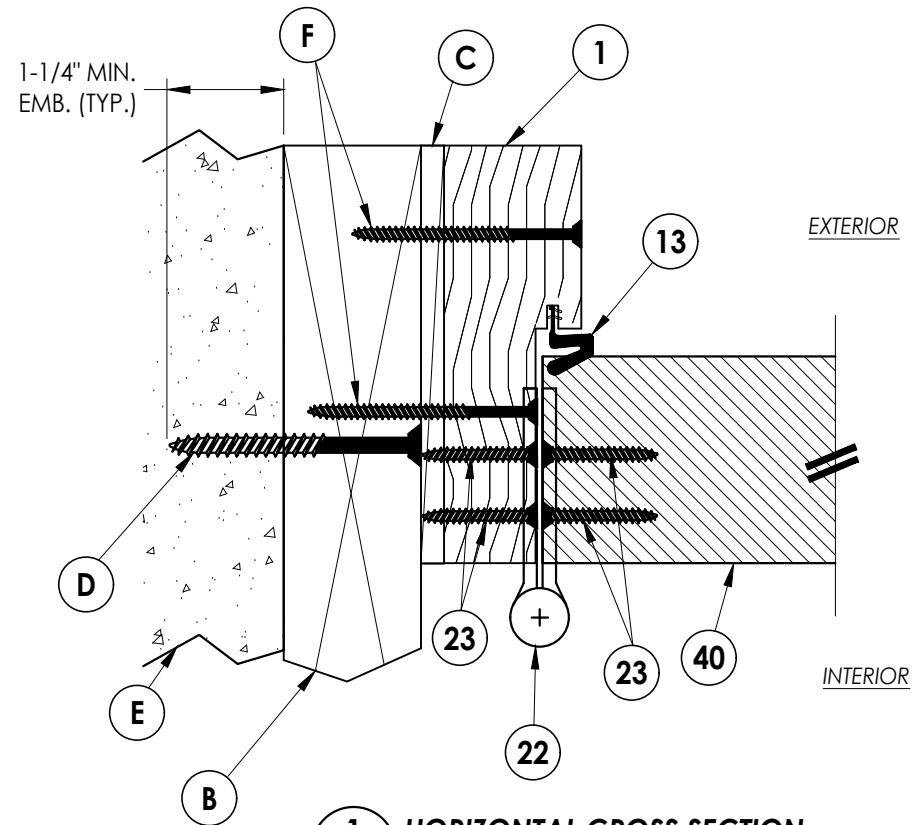
5 VERTICAL CROSS SECTION

[illegible]

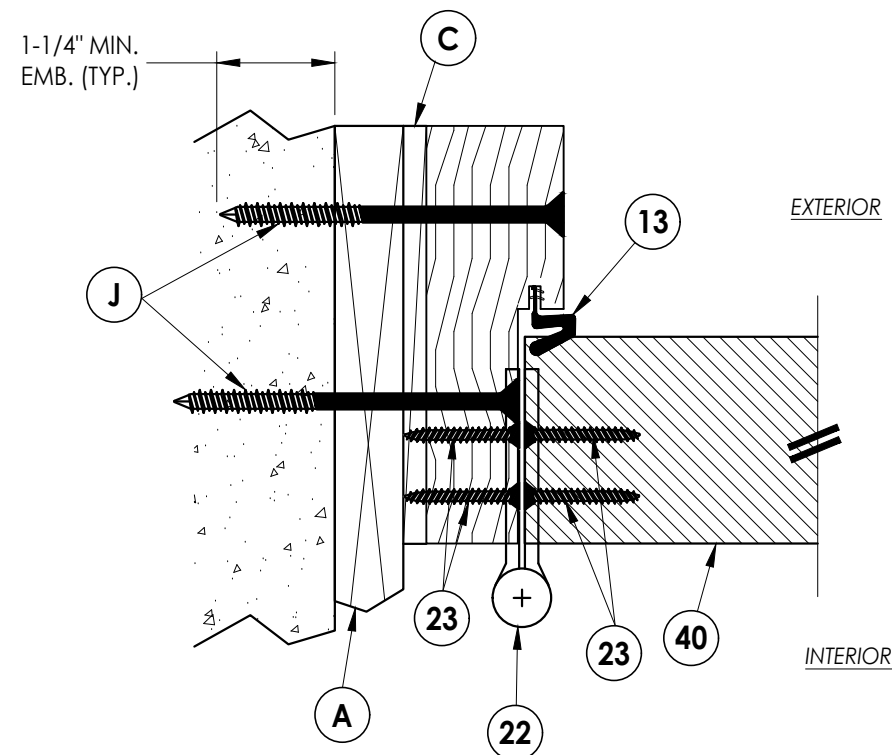
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PART OR ASSEMBLY:
DOOR PANEL DETAILS

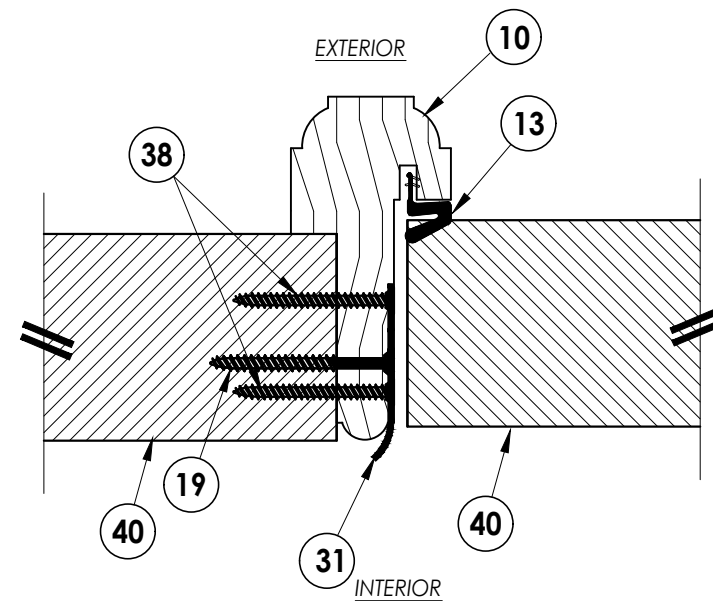
R^{qW} BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



1 **HORIZONTAL CROSS SECTION**
3 Inswing shown - outswing also approved



3 HORIZONTAL CROSS SECTION
3 Shown w/ 1X sub-buck



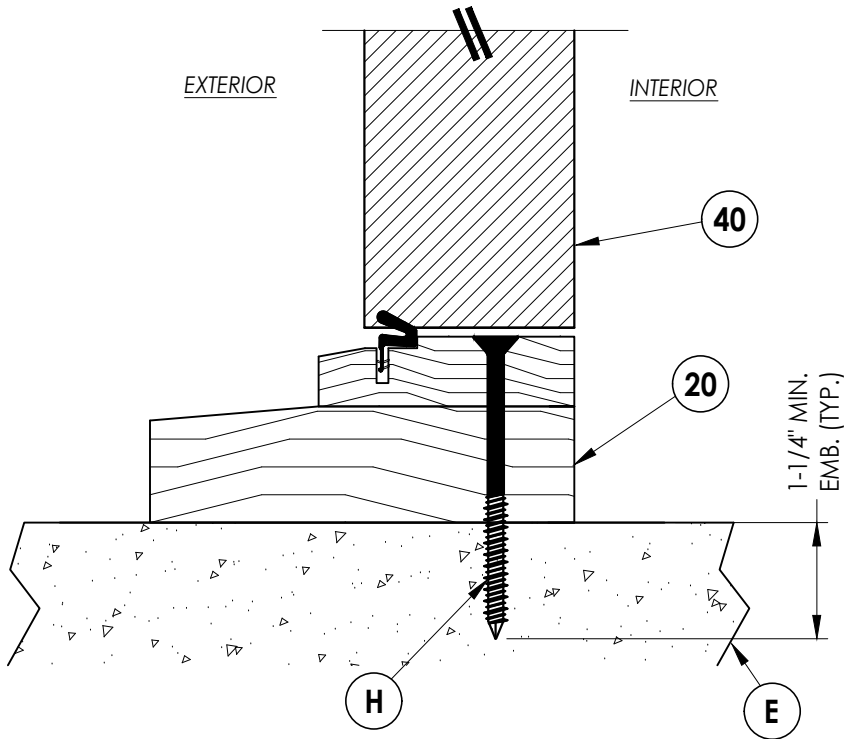
2 HORIZONTAL CROSS SECTION
3 Inswing shown - outswing also approved

[illegible]

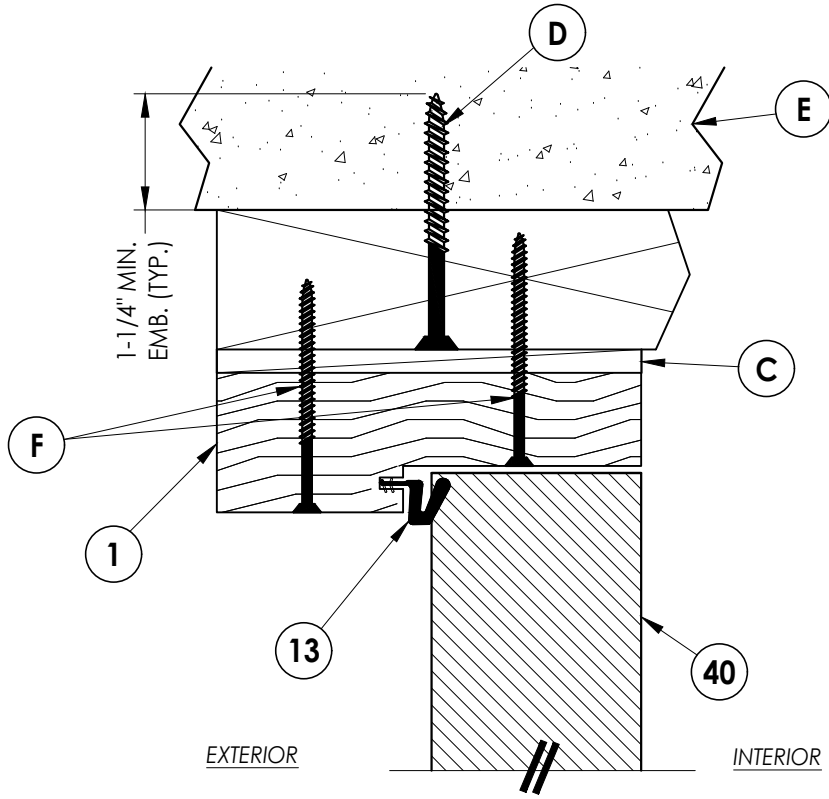
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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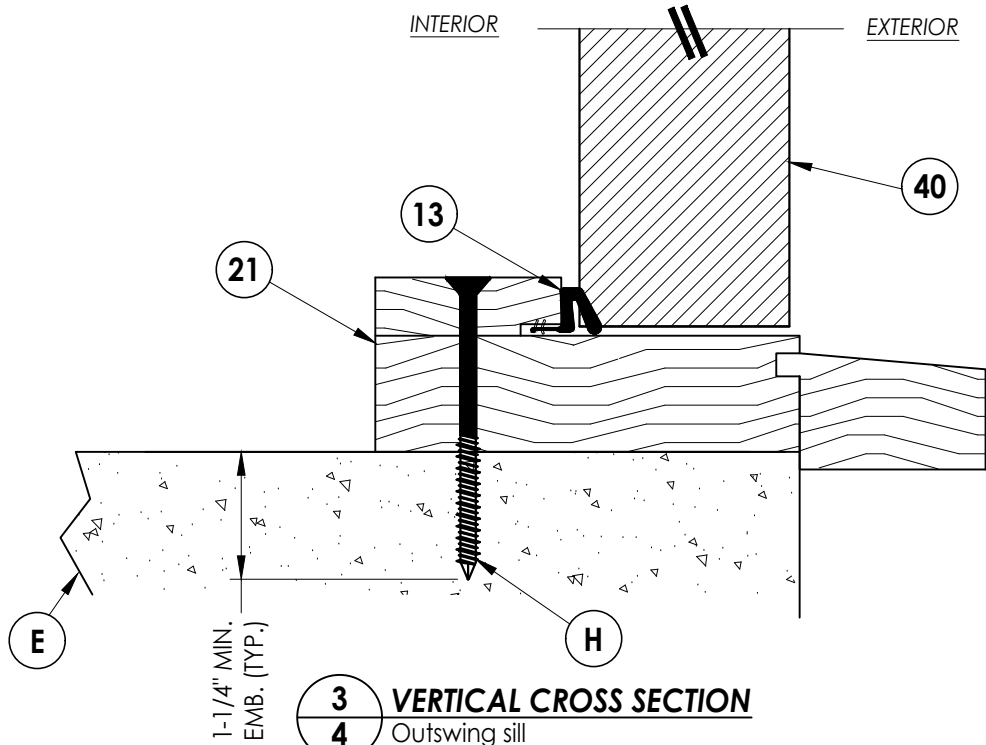
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2
4 **VERTICAL CROSS SECTION**
Inswing sill



1
4 **VERTICAL CROSS SECTION**
Inswing shown - outswing also approved



3
4 **VERTICAL CROSS SECTION**
Outswing sill

DATE: 06/26/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15751.2

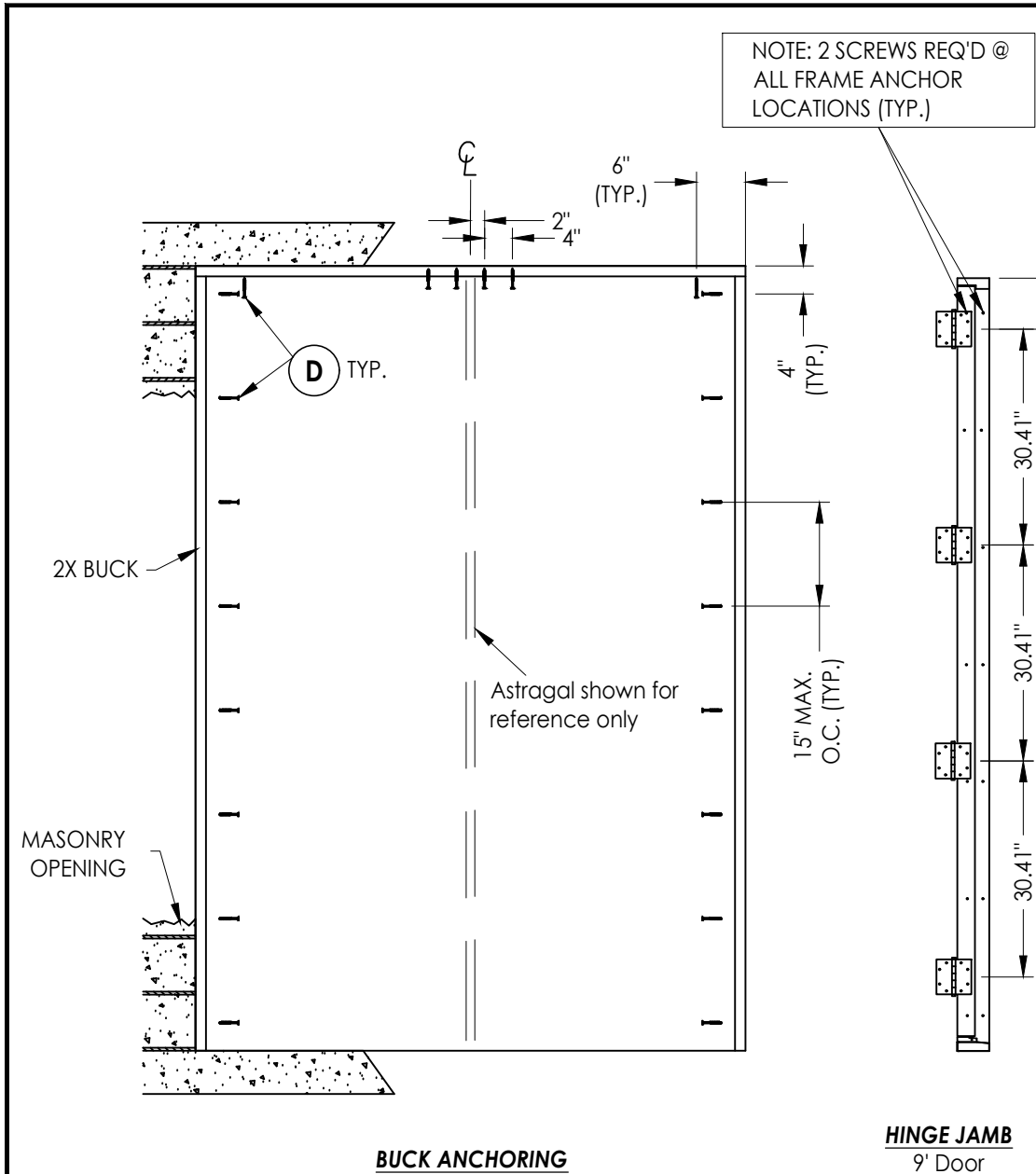
SHEET 4 OF 8

PRODUCT:
MILLWORK ARTISANS
WOOD DOOR

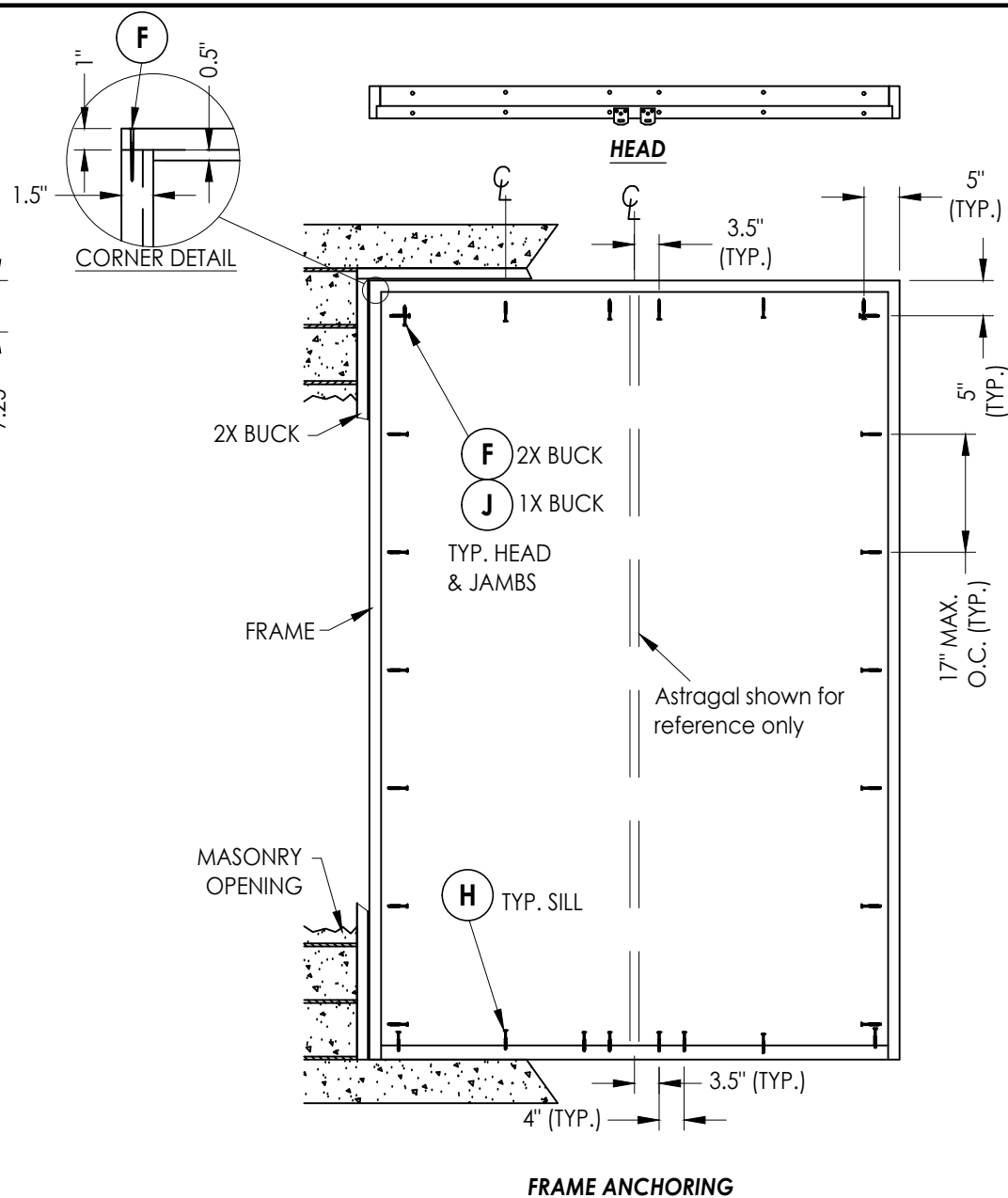
PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

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

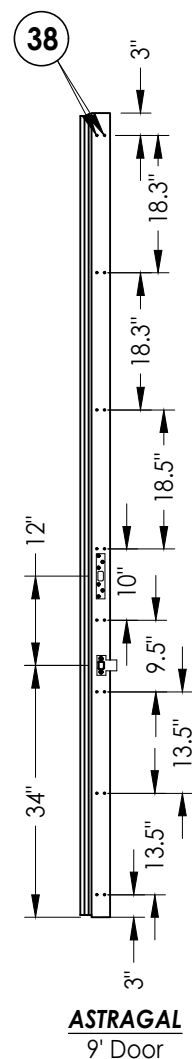
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



BUCK ANCHORING



FRAME ANCHORING



ASTRAGAL
9' Door

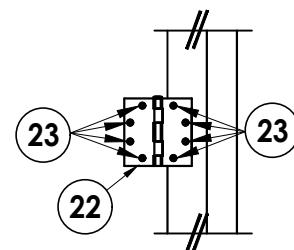
CONCRETE ANCHOR NOTES:

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:

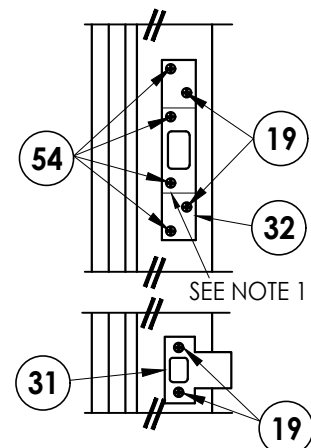
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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.



HINGE DETAIL

**STRIKE DETAIL**

Latch & deadbolt

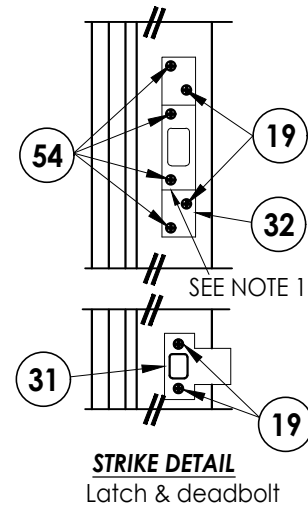
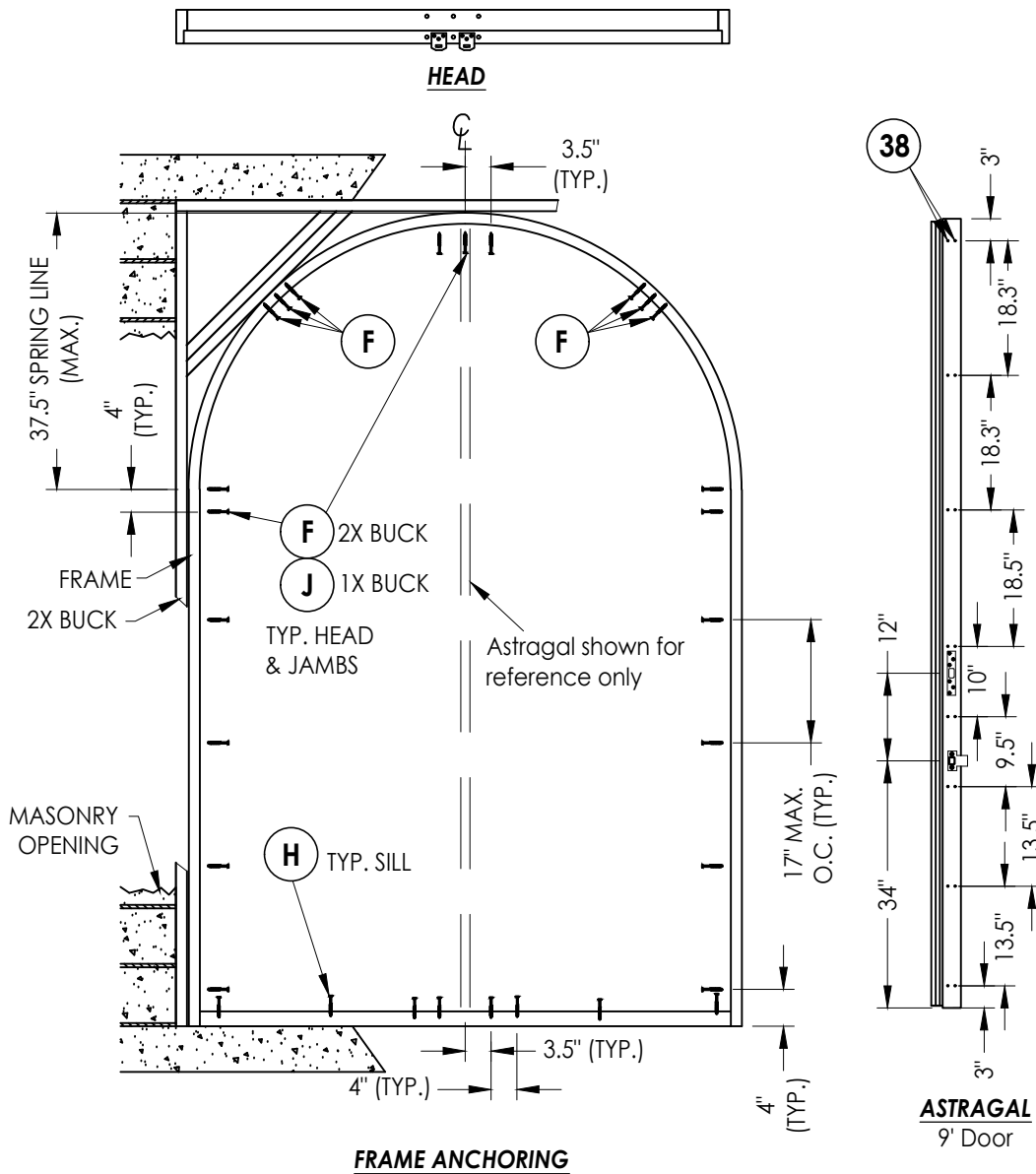
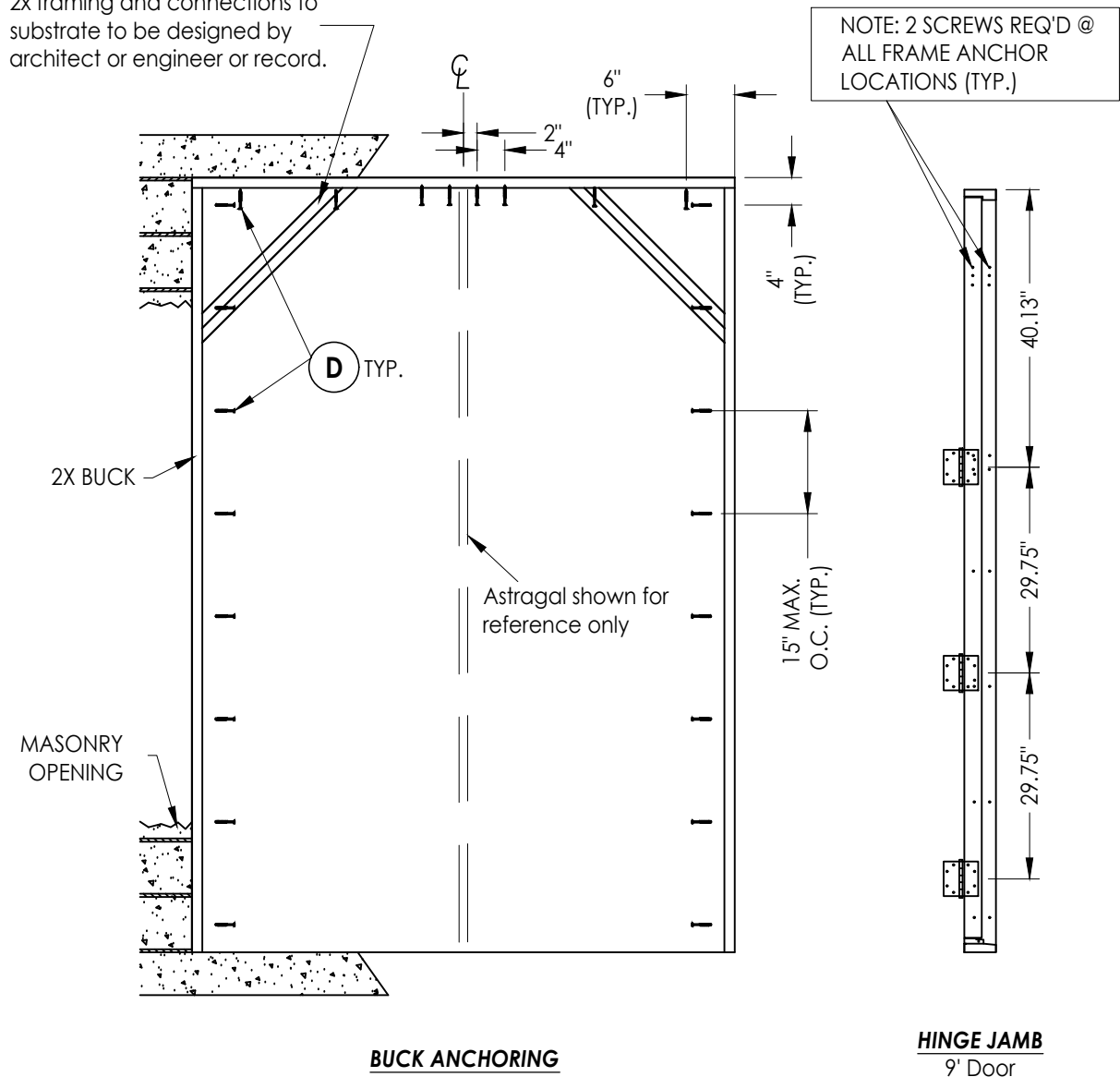
NOTE:

1. Deadbolt reinforcing plate (1-1/8" x 2-3/4" x 0.12" thick) is required behind strike plate (item #32).

[illegible]

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2x framing and connections to substrate to be designed by architect or engineer or record.



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:

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DeWALT ULTRACON®	1/4"	1-1/4"	1"	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.

NOTE:

- Deadbolt reinforcing plate (1-1/8" x 2-3/4" x 0.12" thick) is required behind strike plate (item #32).

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: MILLWORK ARTISANS
WOOD DOOR

PART OR ASSEMBLY:

BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
4	9/14/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	9/29/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	10/03/17	UPDATE TO 6TH ED. (2017) FBC JK
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 06/26/12

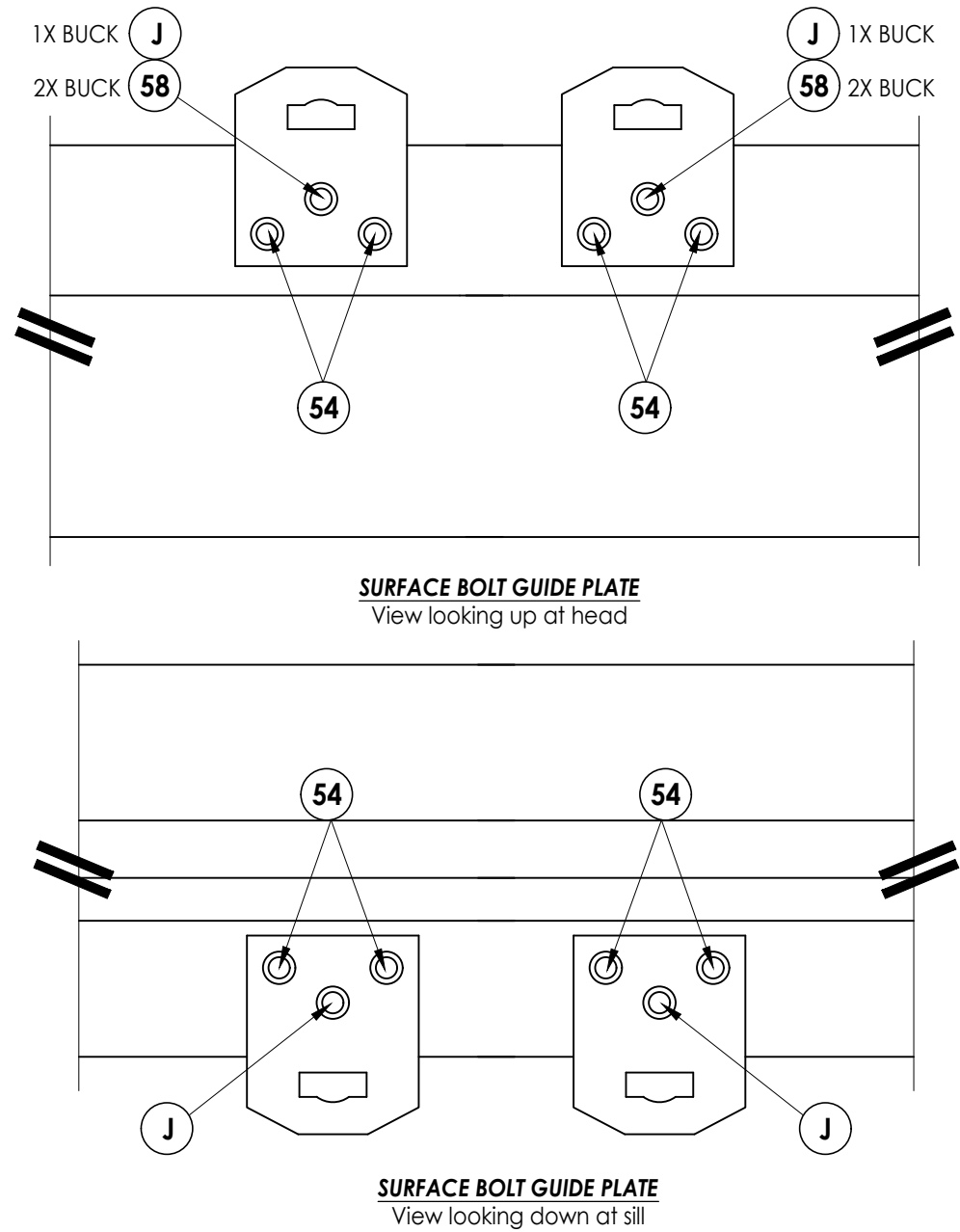
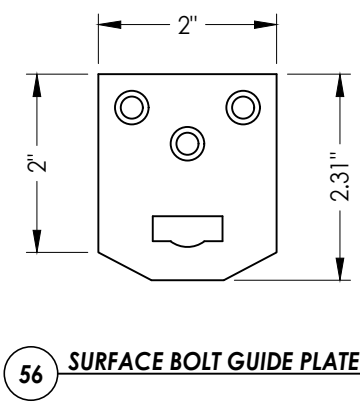
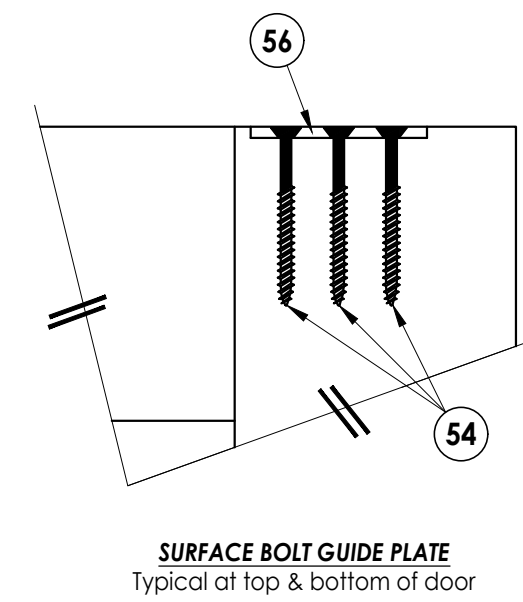
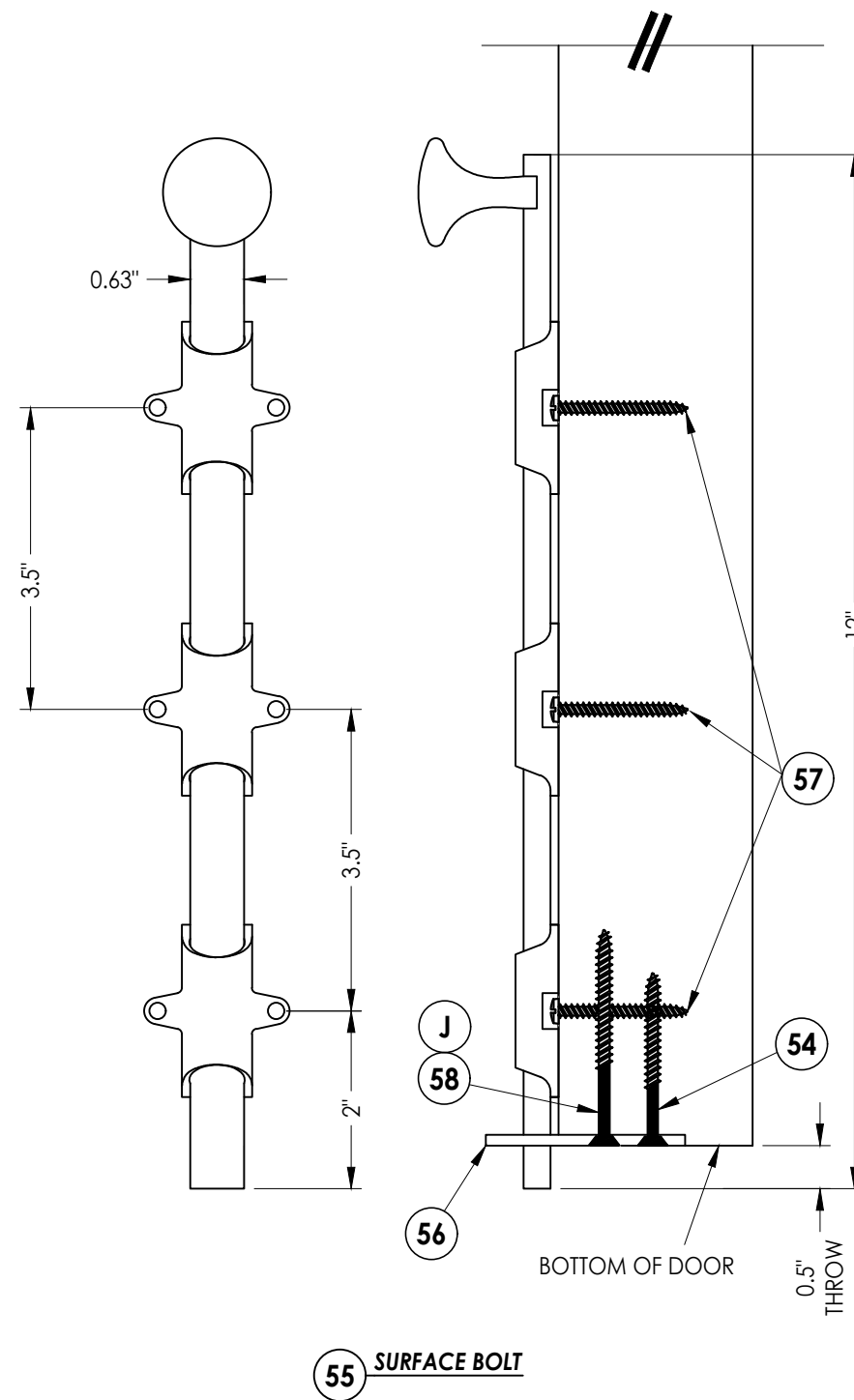
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15751.2

SHEET 6 OF 8



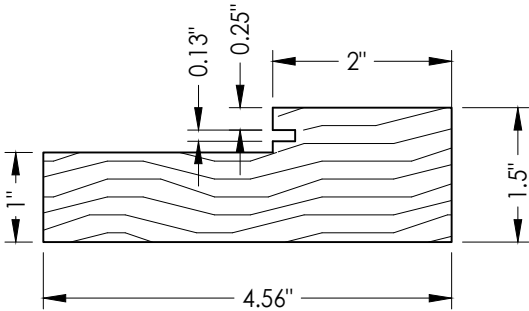
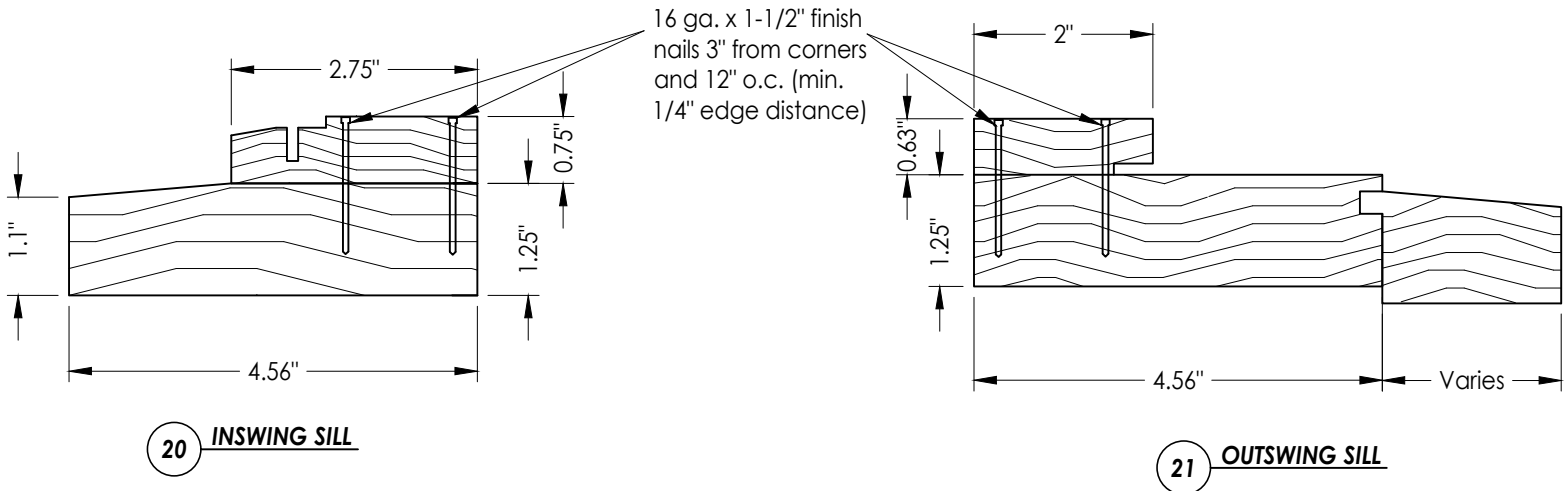
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SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-15751.2					
SHEET 7 OF 8					

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

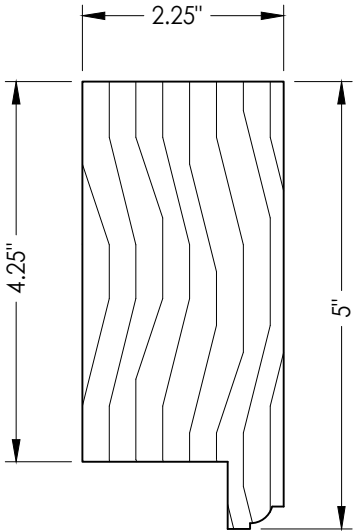
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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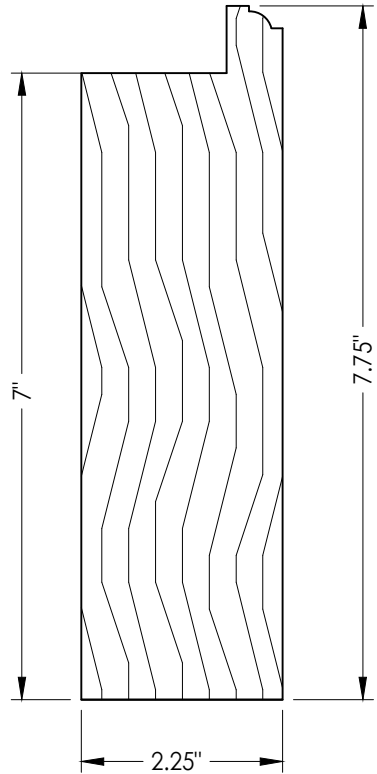
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK G >= 0.55	WOOD
B	2X BUCK G >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" FH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#7 X 2-1/2" TRIM SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
H	1/4" X 3-1/4" FH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" FH DeWALT OR ITW CONCRETE SCREW	STEEL
1	HEAD AND SIDE JAMB	WOOD
2	TOP RAIL & STILE	WOOD
3	BOTTOM RAIL	WOOD
5	INTERMEDIATE RAIL	WOOD
10	ASTRAGAL	WOOD
11	PANEL INFIL	WOOD
12	PANEL/GLASS STOPS	WOOD
13	WEATHERSTRIP (QLON)	FOAM
17	23 GA. X 1" FINISH NAIL	STEEL
18	#8 X 1-3/4" FH WOOD SCREW	STEEL
19	#8 X 2" FH WOOD SCREW	STEEL
20	INSWING SILL	WOOD
21	OUTSWING SILL	WOOD
22	5" x 5" HINGE	STEEL
23	#12 X 1-1/4" FH WOOD SCREW	STEEL
31	LATCH STRIKE PLATE	STEEL
32	DEADBOLT STRIKE PLATE (6" LONG SECURITY)	STEEL
38	#7 X 1-5/8" TRIM SCREW	STEEL
40	WOOD DOOR PANEL	-
54	#10 X 2" FH WOOD SCREW	STEEL
55	SURFACE BOLT	STEEL
56	SURFACE BOLT GUIDE PLATE	STEEL
57	#8 X 1-1/2" PPH SMS	STEEL
58	#10 X 2-1/2" PFH WOOD SCREW	STEEL



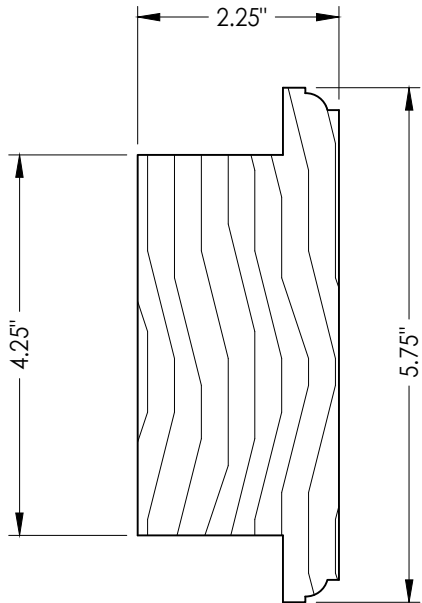
1 HEAD & SIDE JAMB



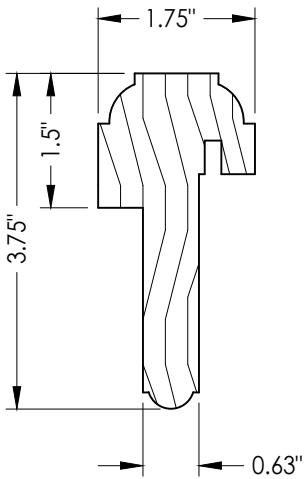
2 TOP RAIL & STILE



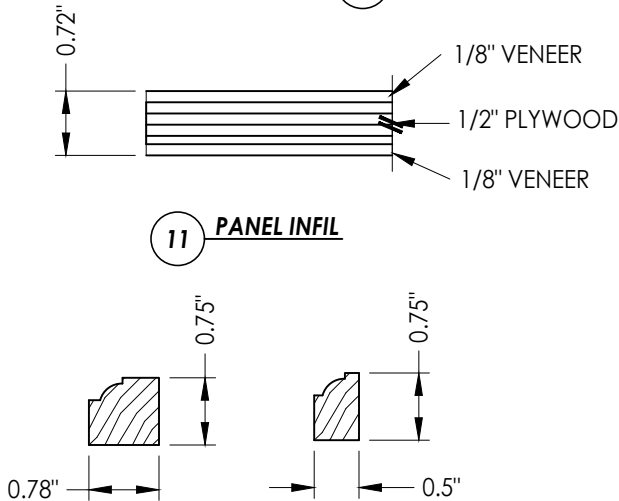
3 BOTTOM RAIL



5 INTERMEDIATE RAIL



10 ASTRAGAL



11 PANEL INFIL

12 PANEL / GLASS STOPS

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:
MILLWORK ARTISANS
WOOD DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS			
		DATE	BY	JK	LFS
4	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	9/29/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
2	10/03/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
1	04/14/15	UPDATE TO 5TH ED. (2014)	FBC	JK	

DATE: 06/26/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15751.2

SHEET 8 OF 8