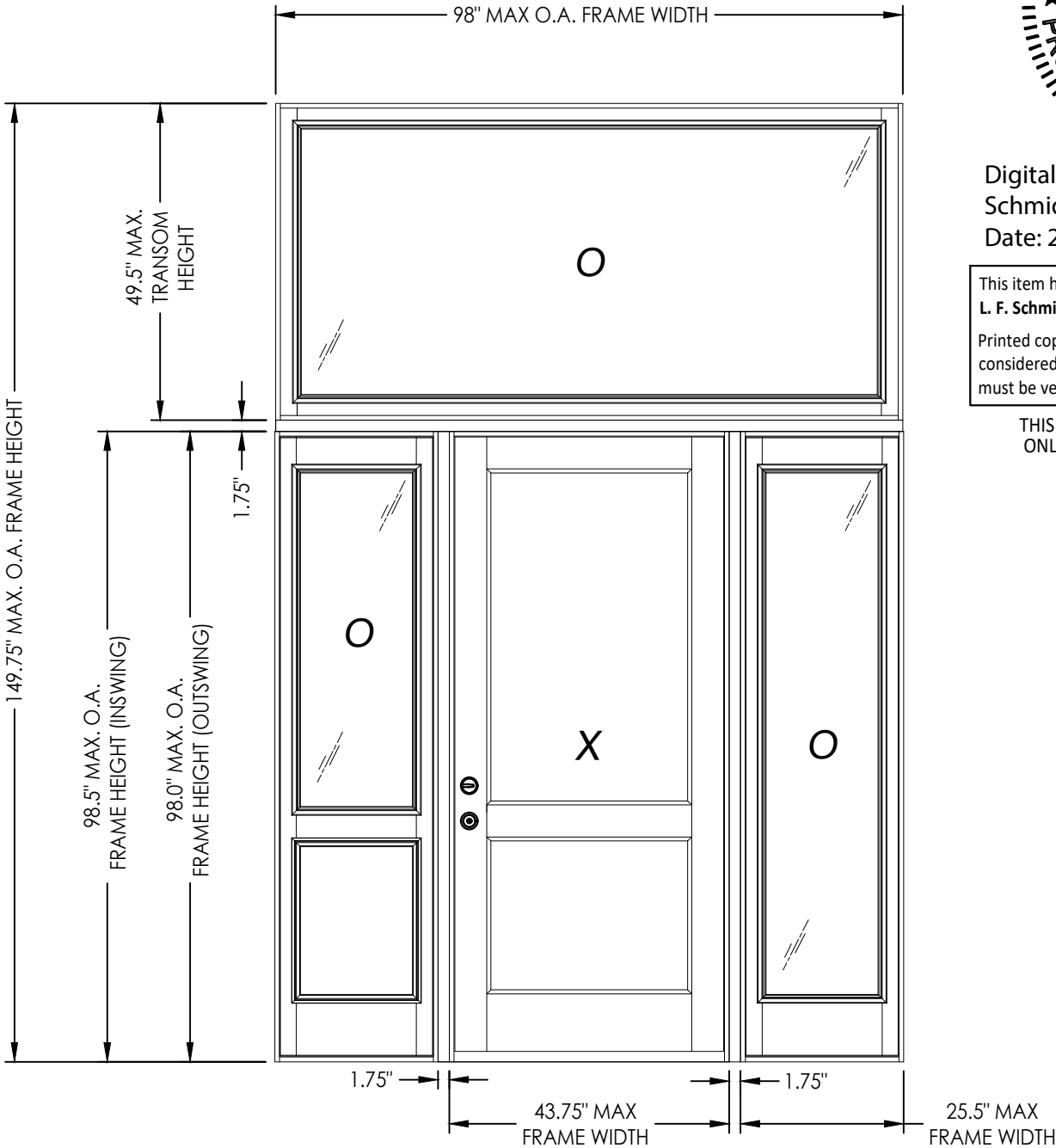


IMPACT 360 SERIES
WOOD GLAZED OR OPAQUE
SINGLE DOOR w/ TRANSOM
w/ or w/out SIDELITE(S)
INSWING/OUTSWING
"IMPACT"

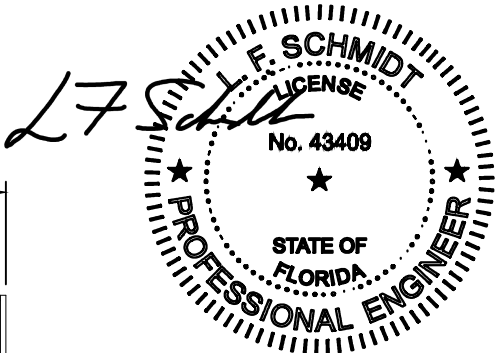
GENERAL NOTES

- 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).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 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	Sidelite Panel Details
4	Transom Details
5	Elevations
6	Horizontal & Vertical Cross Sections (2X Buck)
7	Horizontal & Vertical Cross Sections (1X Buck)
8	Horizontal & Vertical Cross Sections
9	Vertical Cross Sections (Thresholds)
10	Buck & Frame Anchoring (O/X)
11	Buck & Frame Anchoring (O/OX)
12	Buck & Frame Anchoring (O/OXO)
13	Hardware Details
14	Bill of Materials & Components



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
$\frac{O}{X}, \frac{O}{OX}, \frac{O}{XO}, \frac{O}{OXO}$	+50.0	-50.0	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.08 15:26:23 -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

MILLWORK 360
WOOD DOOR

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

DATE: 2/14/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

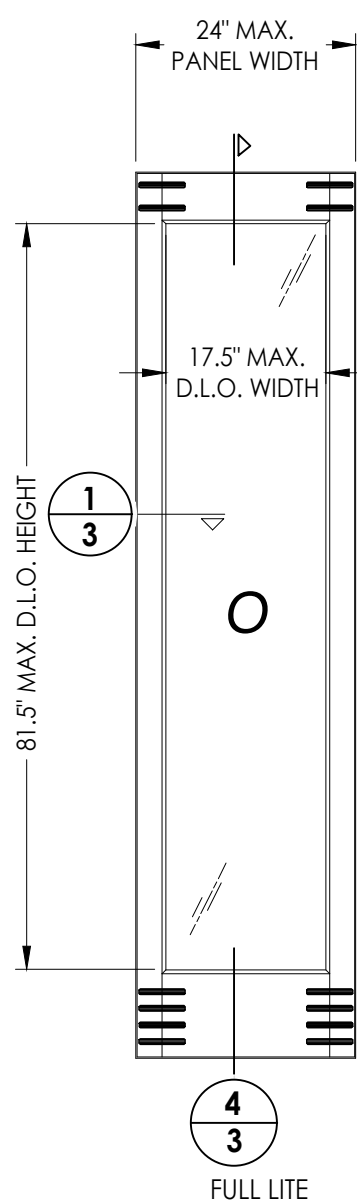
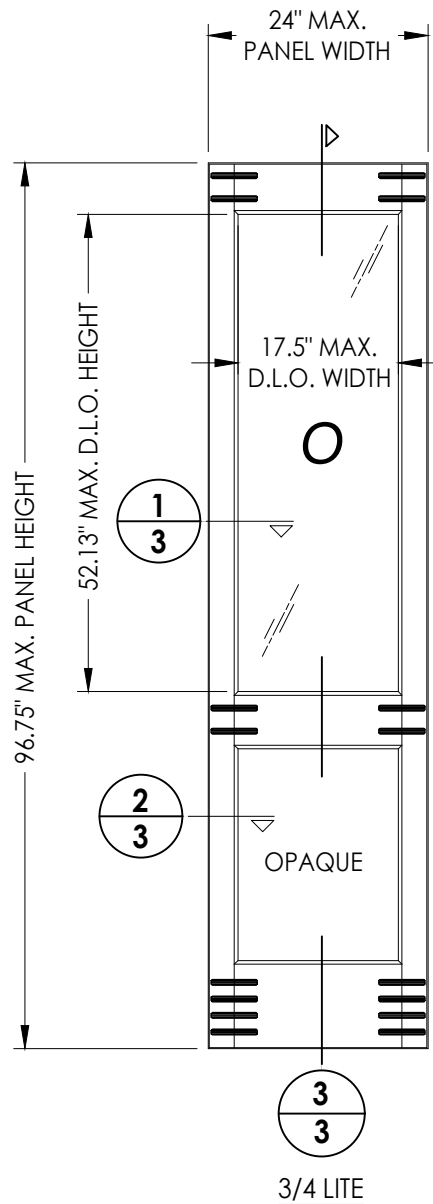
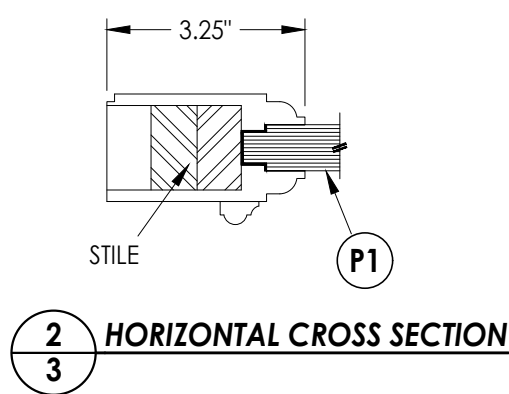
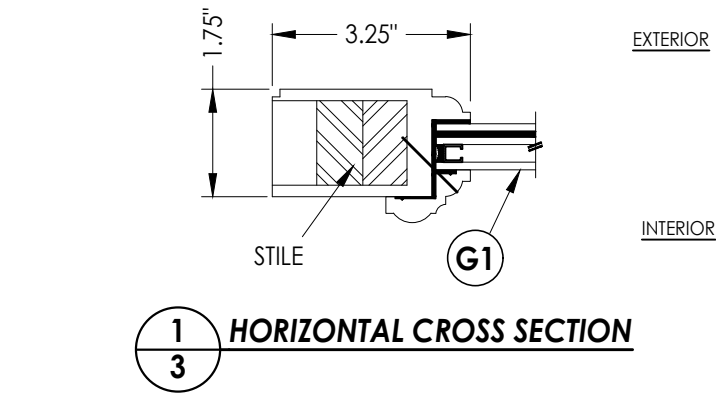
DRAWING NO.: FL-21891.3

SHEET 1 OF 14

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

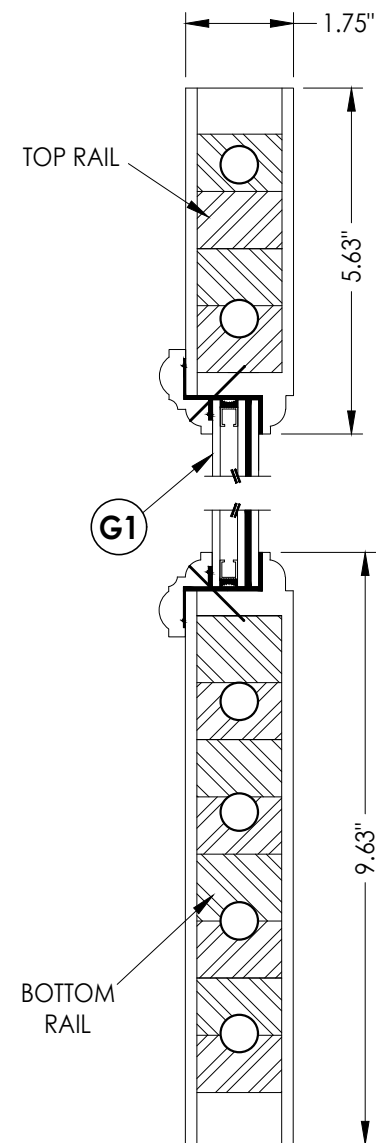
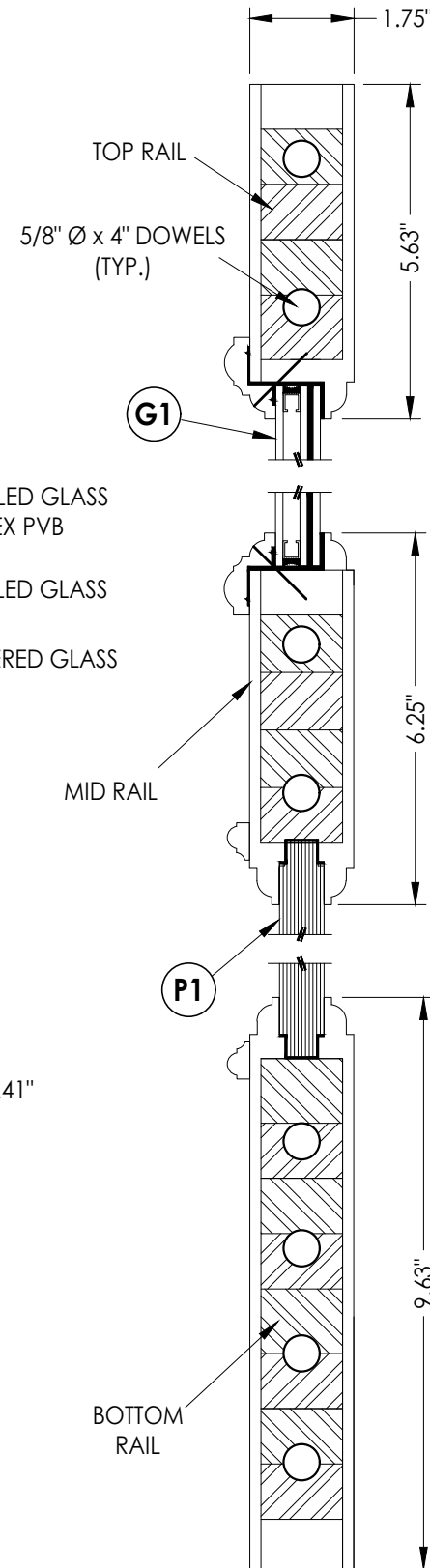
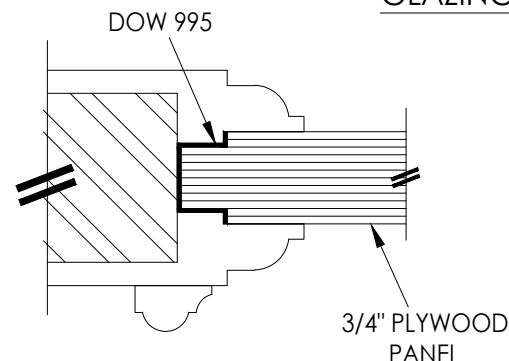
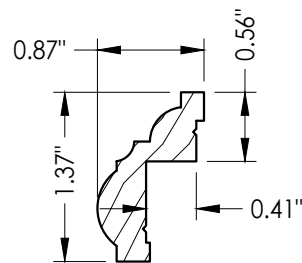
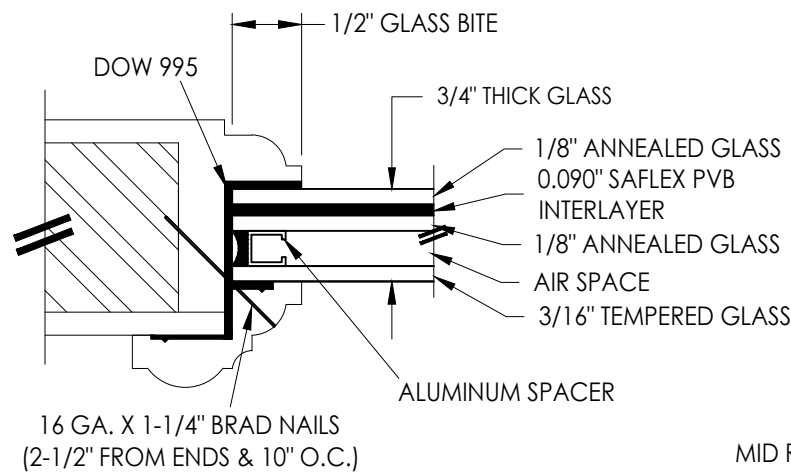
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50 **WOOD SIDELITE PANEL**

WOOD SIDELITE COMPONENTS:
VENEER/EDGES: CYPRESS (G = 0.42)
ENGINEERED STAVE CORE: SIPO (UTILE) (G = 0.53)



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

PRODUCT:
MILLWORK 360
WOOD DOOR

RW BUILDING CONSULTANTS, INC.

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

PART OR ASSEMBLY:		DETAILS	
LFS	JK	BY	
3	8/08/23	UPDATE TO 8TH ED. (2023)	FBC
2	9/01/20	UPDATE TO 7TH ED. (2020)	FBC
1	10/03/17	UPDATE TO 6TH ED. (2017)	FBC
NO.	DATE	REVISIONS	

DATE: 2/14/17

SCALE: N.T.S.

DWG. BY: JK

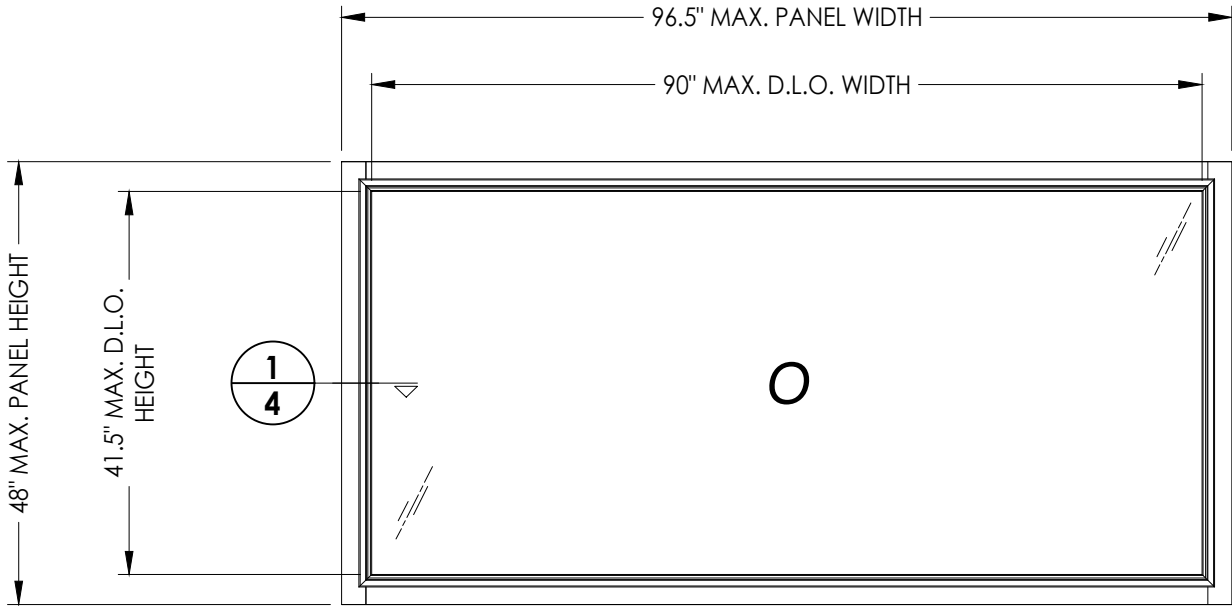
CHK. BY: LFS

DRAWING NO.: FL-21891.3

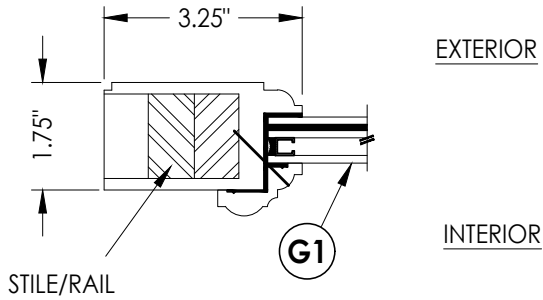
SHEET 3 OF 14

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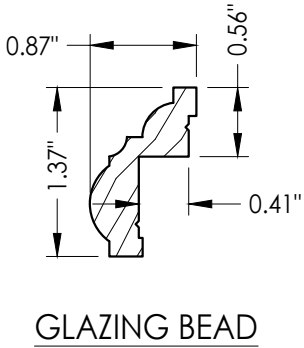
WOOD TRANSOM COMPONENTS:
VENEER/EDGES: CYPRESS (G = 0.42)
ENGINEERED STAVE CORE: SIPO (UTILE) (G = 0.53)



70 WOOD TRANSOM PANEL

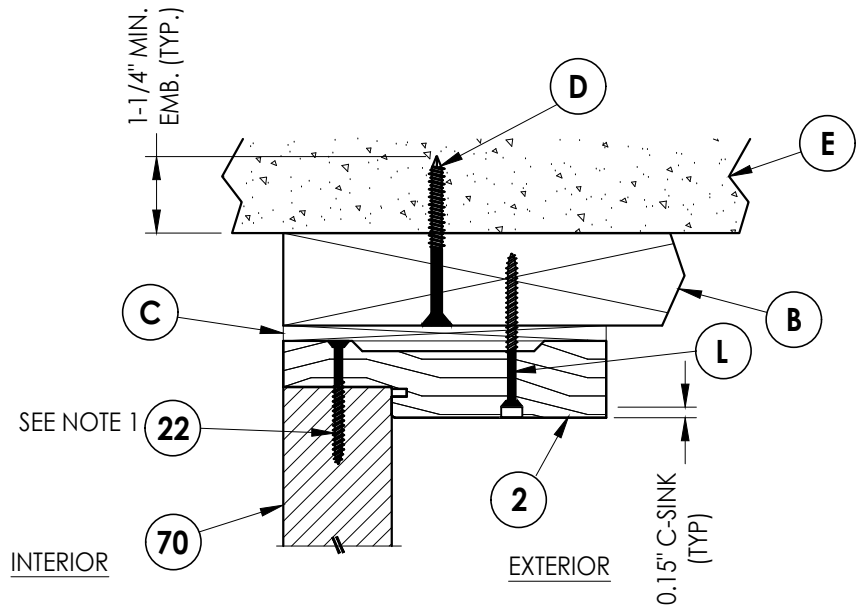


1
4 HORIZONTAL CROSS SECTION

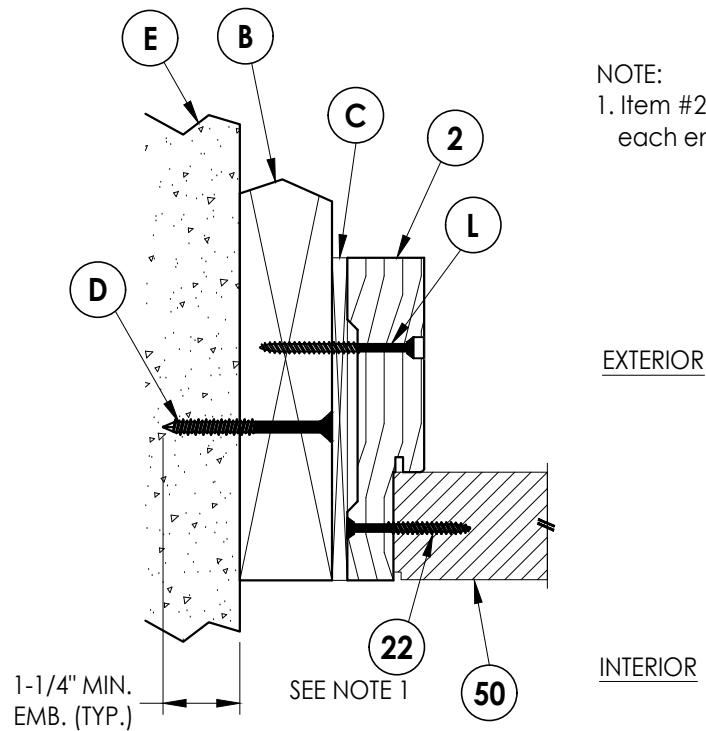


DATE: 2/14/17				Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409			
SCALE: N.T.S.				PRODUCT: MILLWORK 360 WOOD DOOR			
DWG. BY: JK				PART OR ASSEMBLY: TRANSOM DETAILS			
CHK. BY: LFS							
DRAWING NO.: FL-21891.3				 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
SHEET 4 OF 14							
REVISIONS							
3	8/08/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS		
2	9/01/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS		
1	10/03/17	UPDATE TO 6TH ED.	(2017)	FBC	JK		
NO.	DATE			BY			

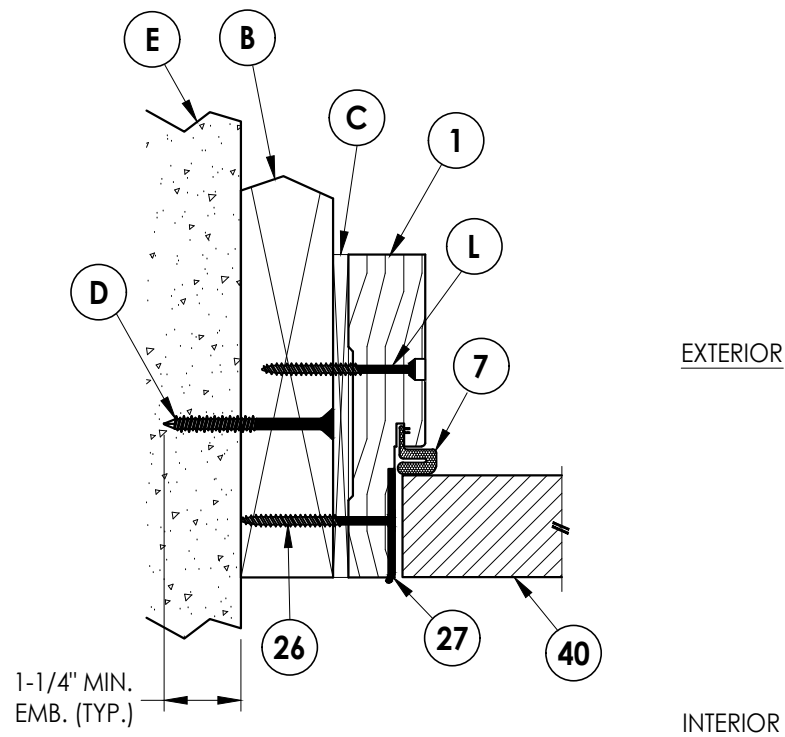
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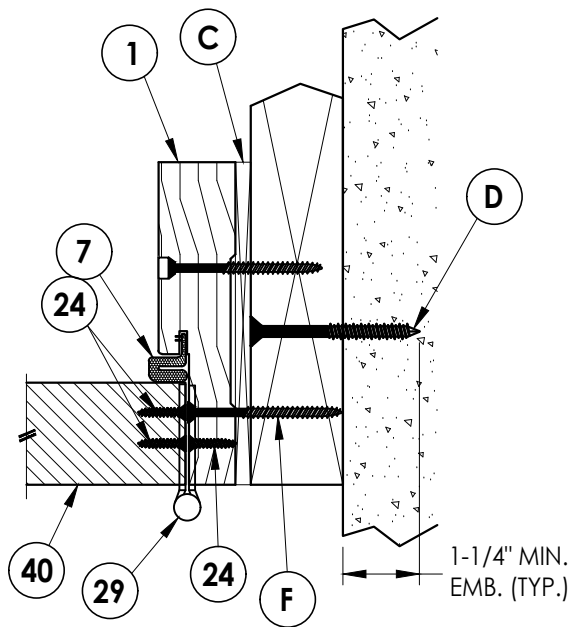
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6 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown (Outswing similar)



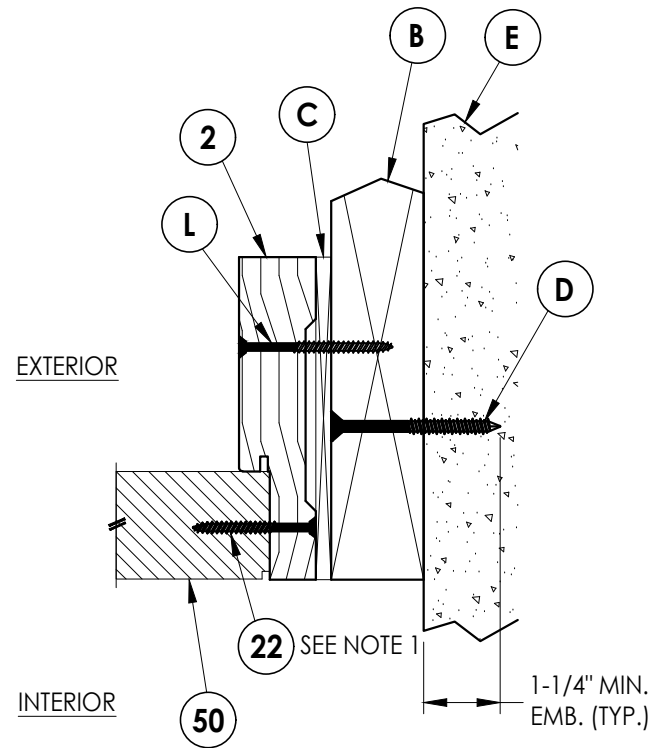
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6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown (Outswing similar)



3
6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown (Outswing similar)



4
6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown (Outswing similar)



5
6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown (Outswing similar)

NOTE:
1. Item #22 located 4" from
each end then 7 more (9 total).

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 360
WOOD DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

NO.	DATE	REVISIONS
3	8/08/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	9/01/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	10/03/17	UPDATE TO 6TH ED. (2017) FBC JK
		BY

DATE: 2/14/17

SCALE: N.T.S.

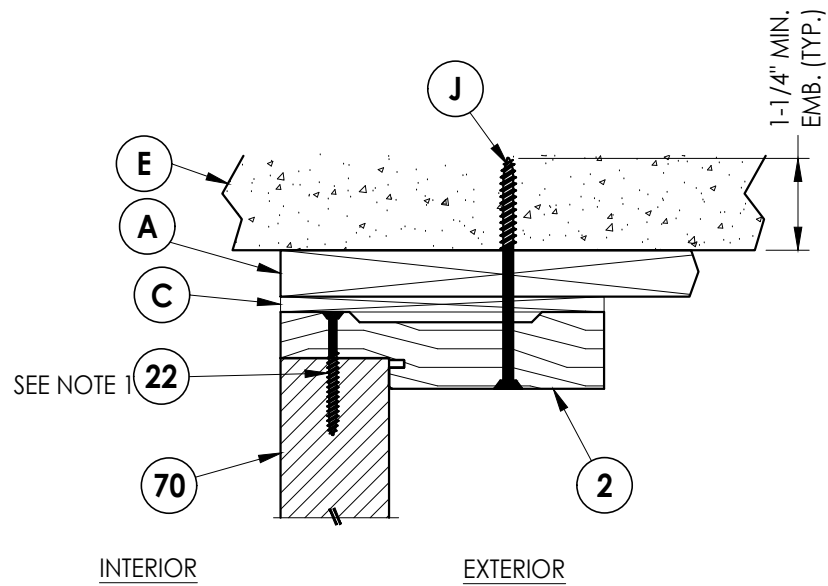
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

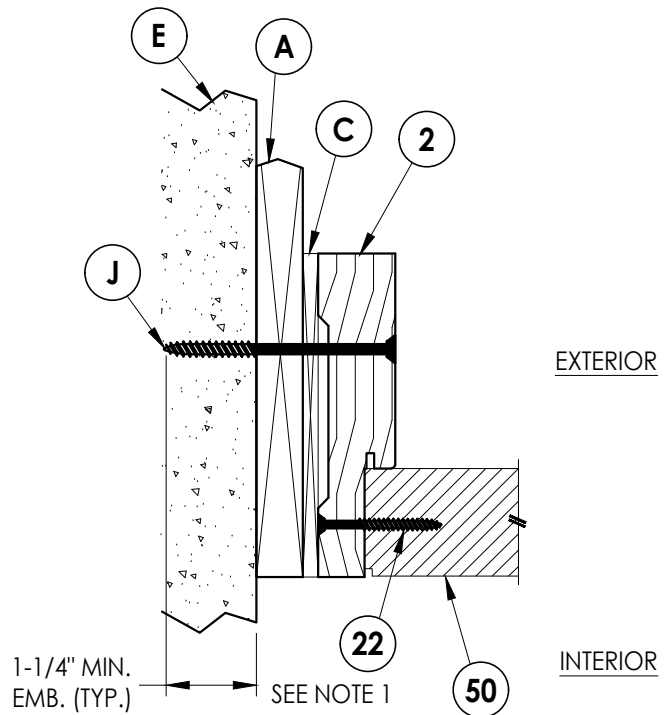
FL-21891.3

SHEET 6 OF 14



1 7 **VERTICAL CROSS SECTION**

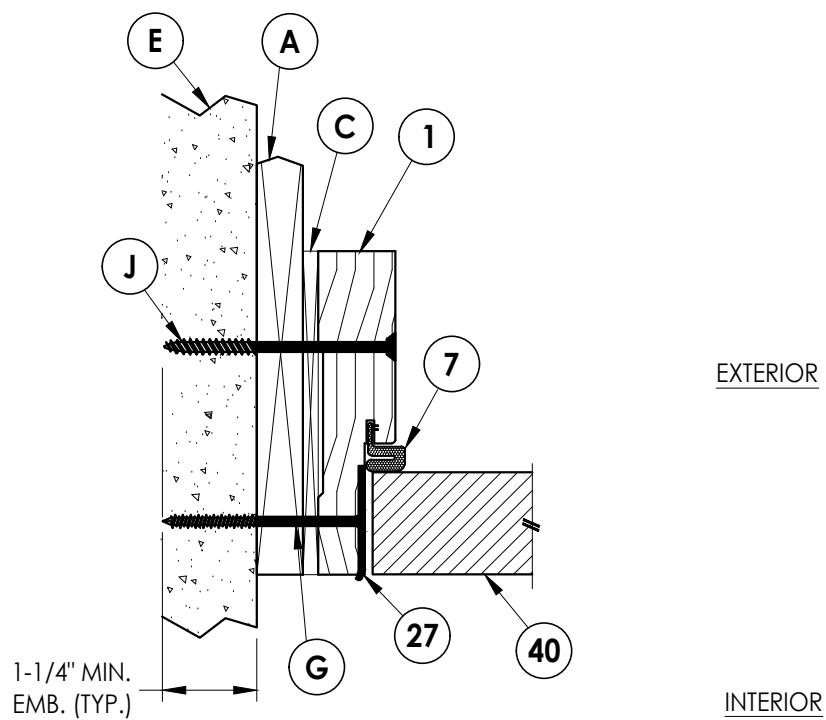
Shown w/ 1X Buck
Inswing shown (Outswing similar)



NOTE:

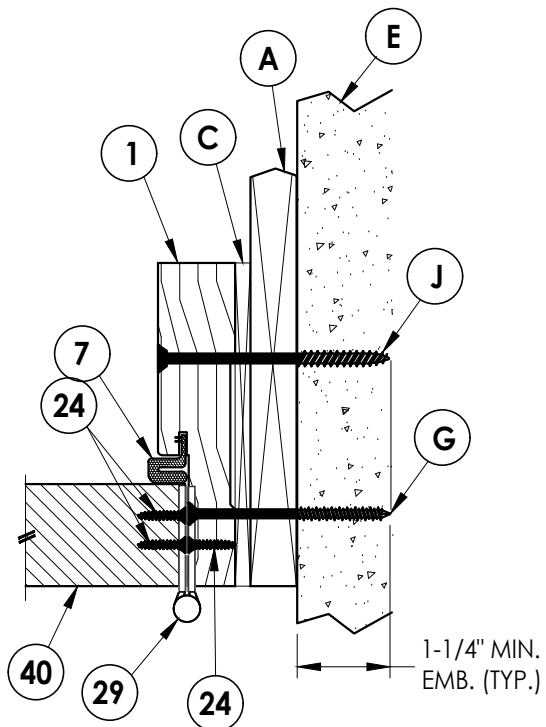
1. Item #22 located 4" from each end then 7 more (9 total).
2. Item #22 located 6" from each end (2 total).

2 **HORIZONTAL CROSS SECTION**
7 Shown w/ 1X Buck
 Inswing shown (Outswing similar)

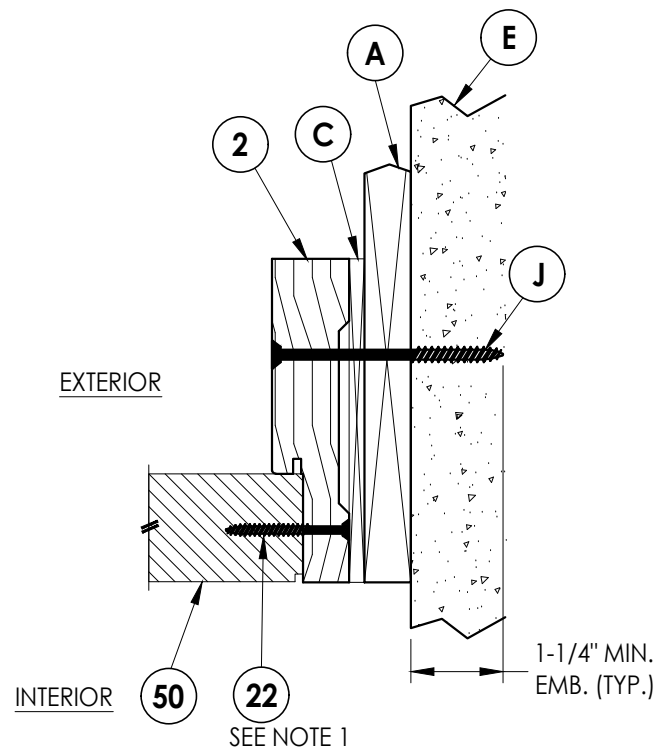


3 HORIZONTAL CROSS SECTION

7 Shown w/ 1X Buck
Inswing shown (Outswing similar)



4 **HORIZONTAL CROSS SECTION** 7 Shown w/ 1X Buck Inswing shown (Outswing similar)

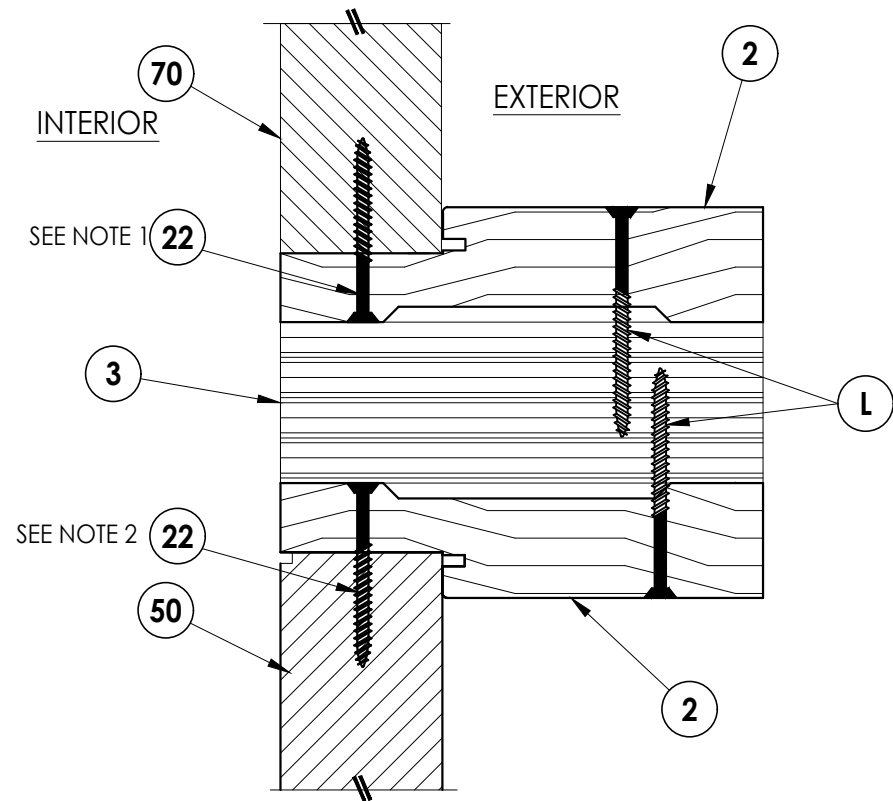


5 **HORIZONTAL CROSS SECTION**

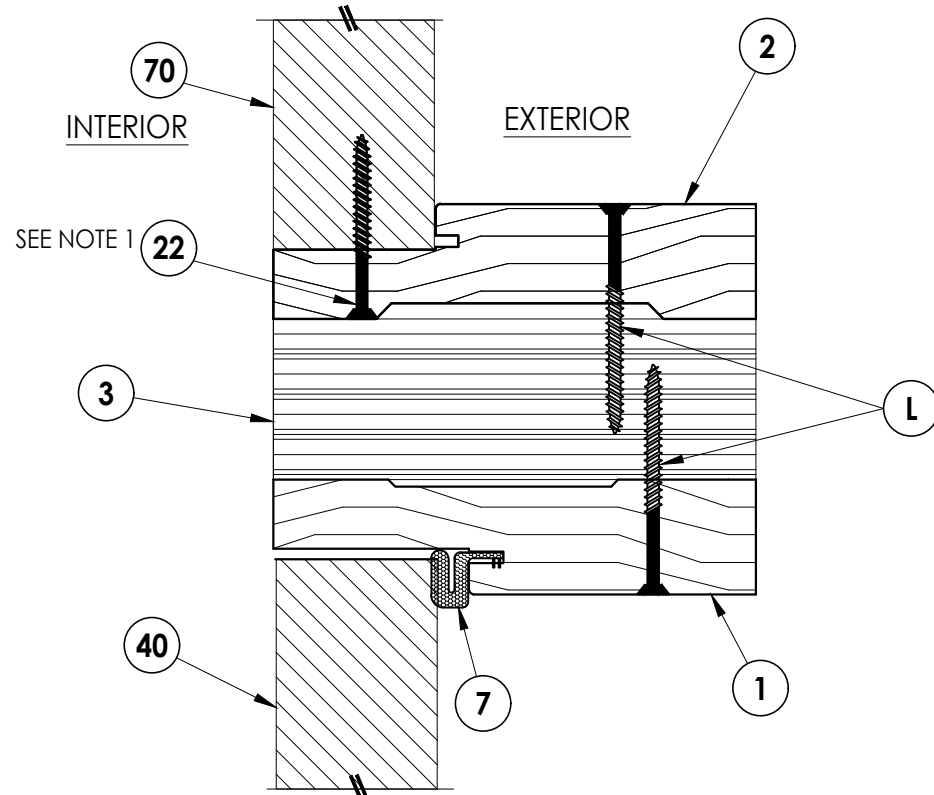
7 Shown w/ 1X Buck
Inswing shown (Outswing similar)

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	
PRODUCT: MILLWORK 360 WOOD DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
3	8/08/23	UPDATE TO 8TH ED. (2023)	FBC LFS
2	9/01/20	UPDATE TO 7TH ED. (2020)	FBC LFS
1	10/03/17	UPDATE TO 6TH ED. (2017)	FBC JK
NO.	DATE		
		REVISIONS	
DATE: 2/14/17			
SCALE: N.T.S.			
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.: FL-21891.3			
SHEET 7		OF 14	

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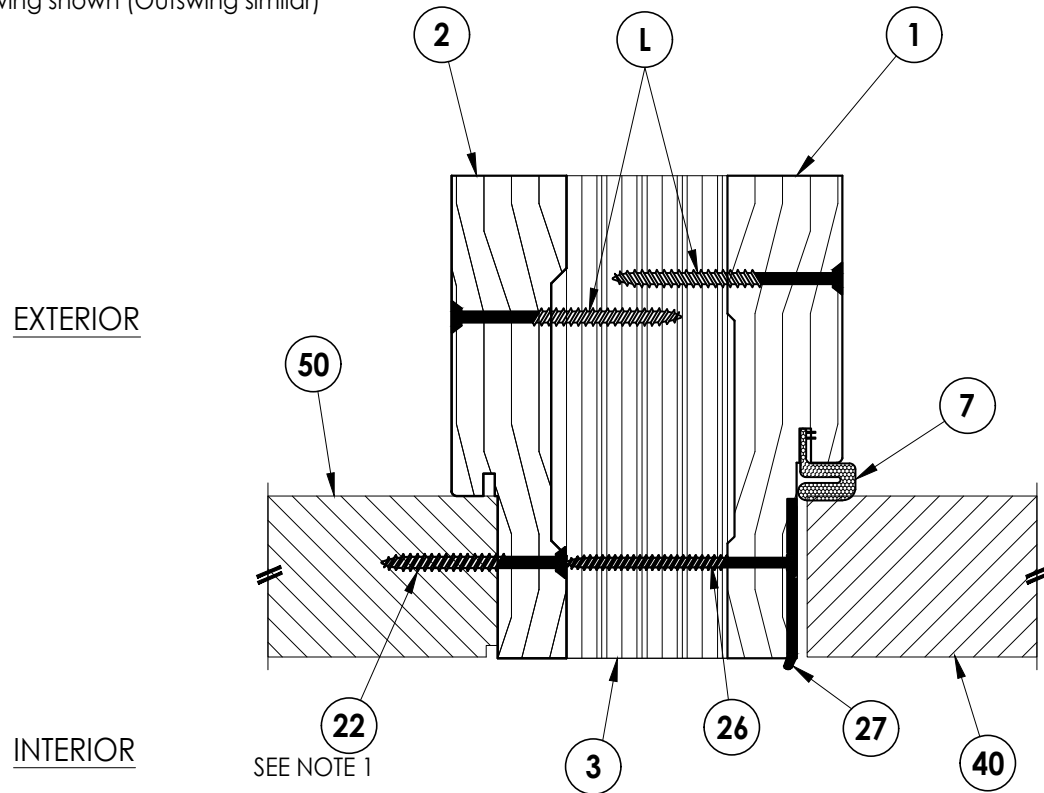


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8 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)

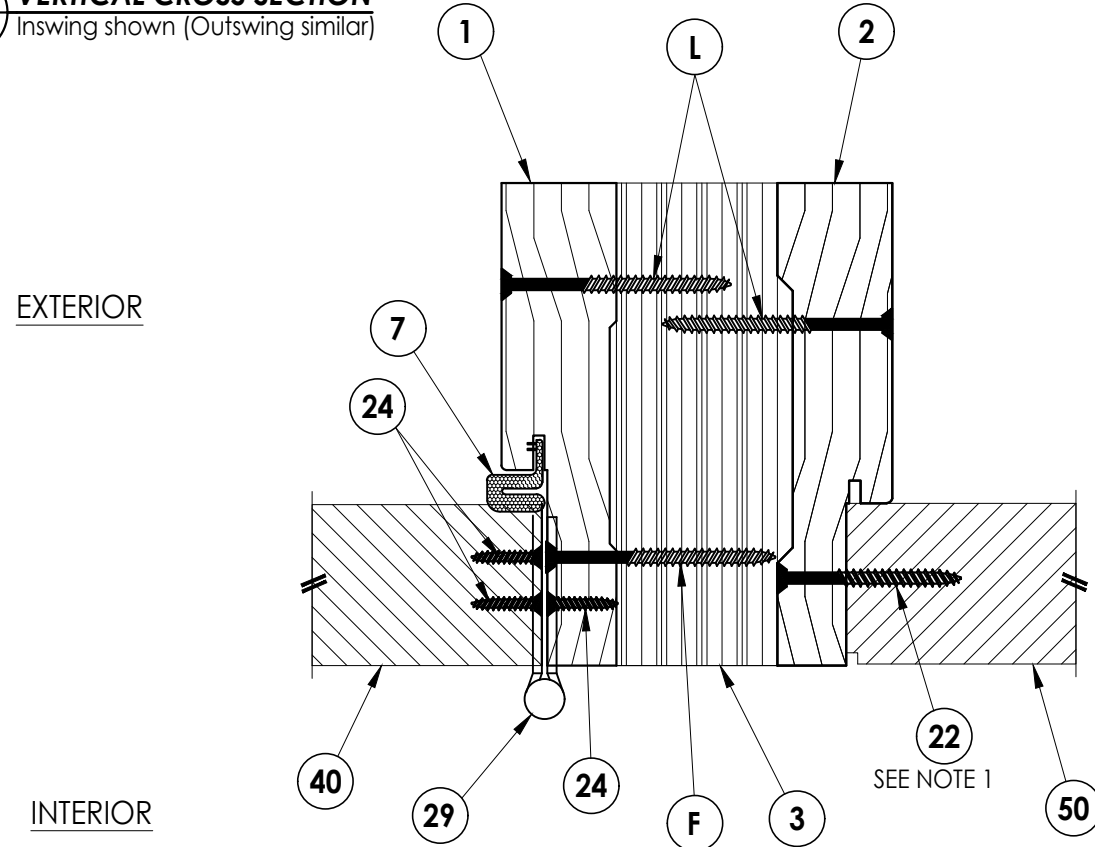


2
8 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)

NOTE:
1. Item #22 located 4" from
each end then 7 more (9 total).
2. Item #22 located 6" from
each end (2 total).



3
8 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)



4
8 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)

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

PRODUCT: MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS			
		DATE	BY	CHK	APP
3	8/08/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
2	9/01/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
1	10/03/17	UPDATE TO 6TH ED. (2017)	FBC	JK	

DATE: 2/14/17

SCALE: N.T.S.

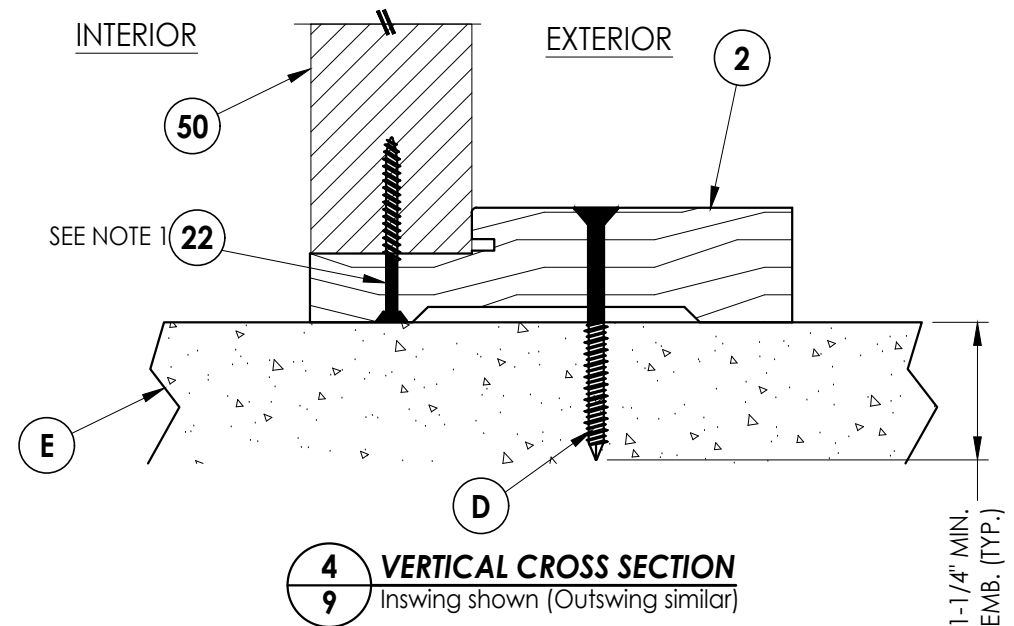
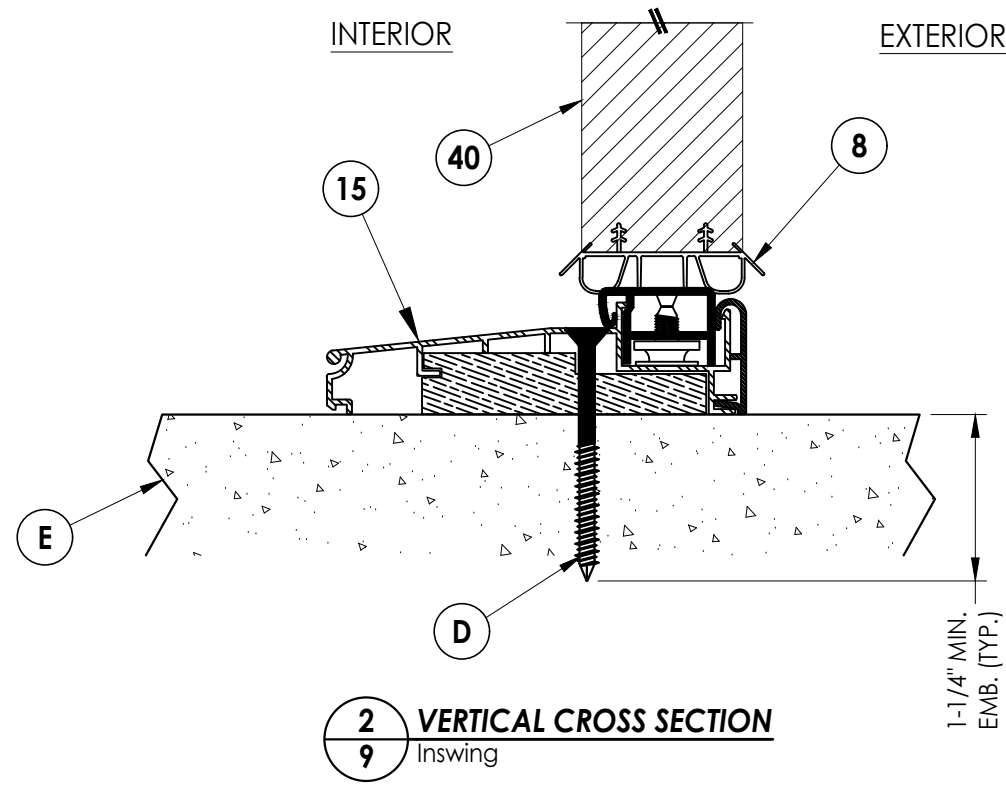
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21891.3

SHEET 8 OF 14

1. Item #22 located 6" from each end (2 total).



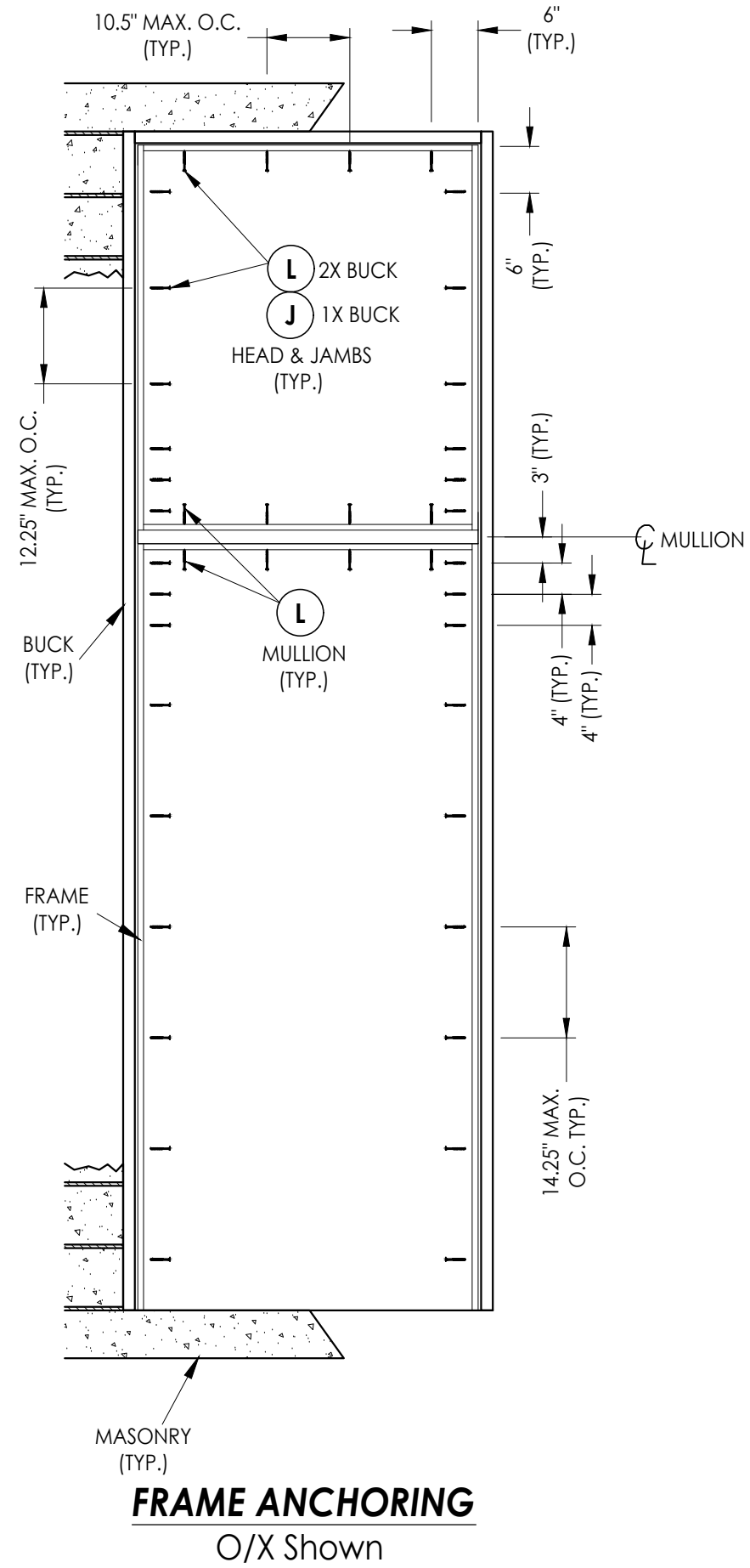
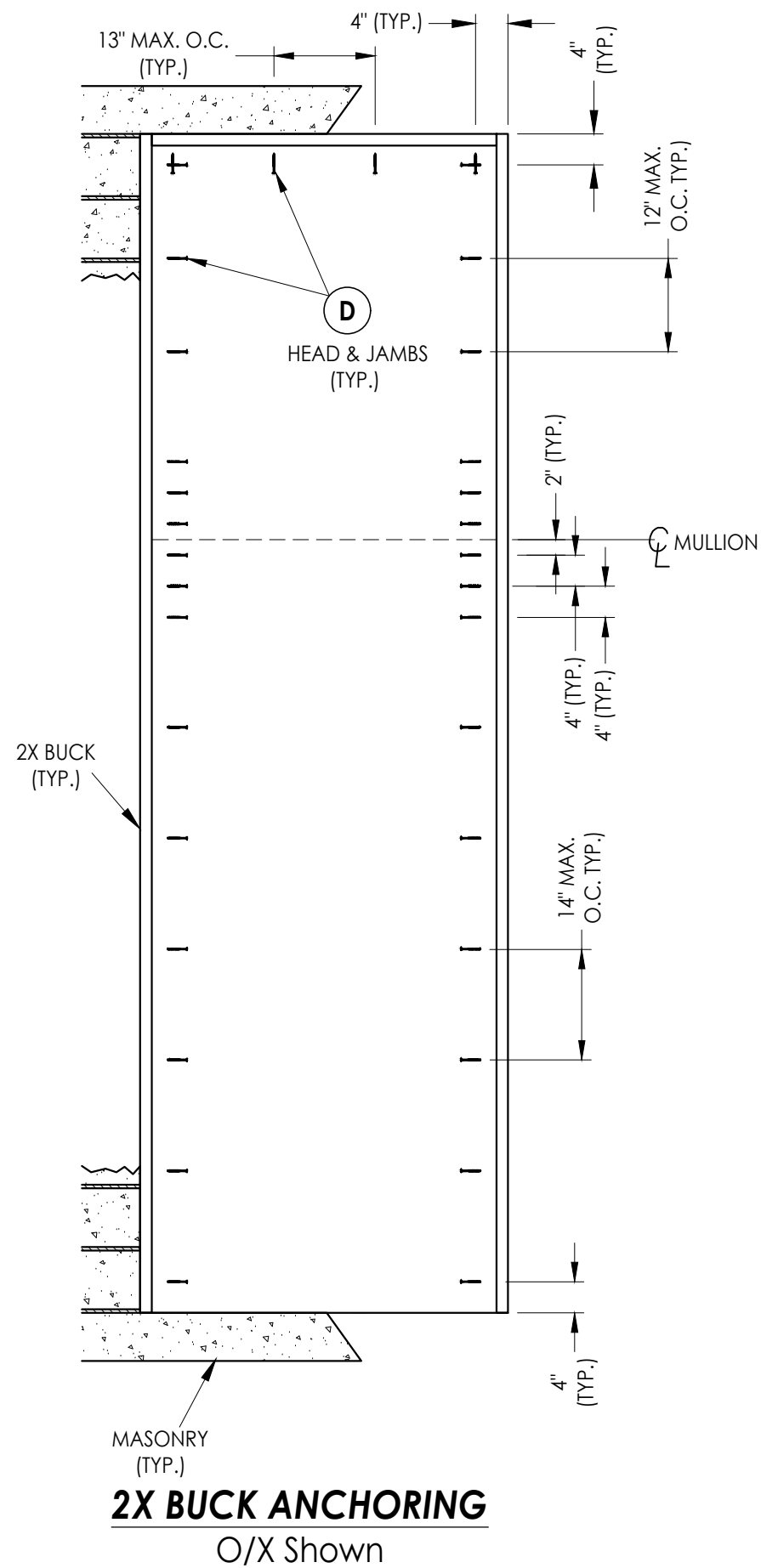
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

PRODUCT: MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:
**VERTICAL CROSS
SECTIONS (THRESHOLD)**

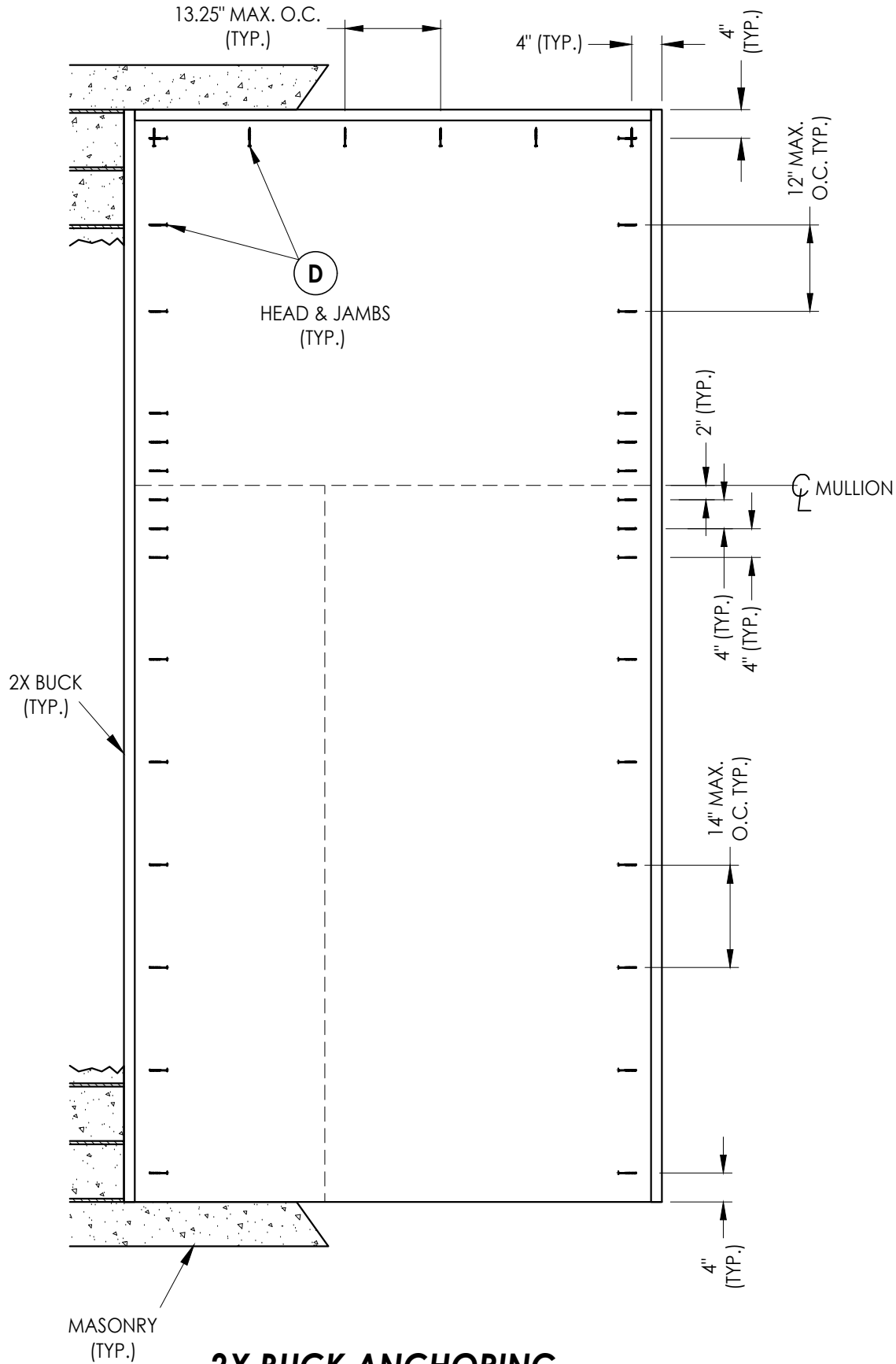
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NOTE:
1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS.

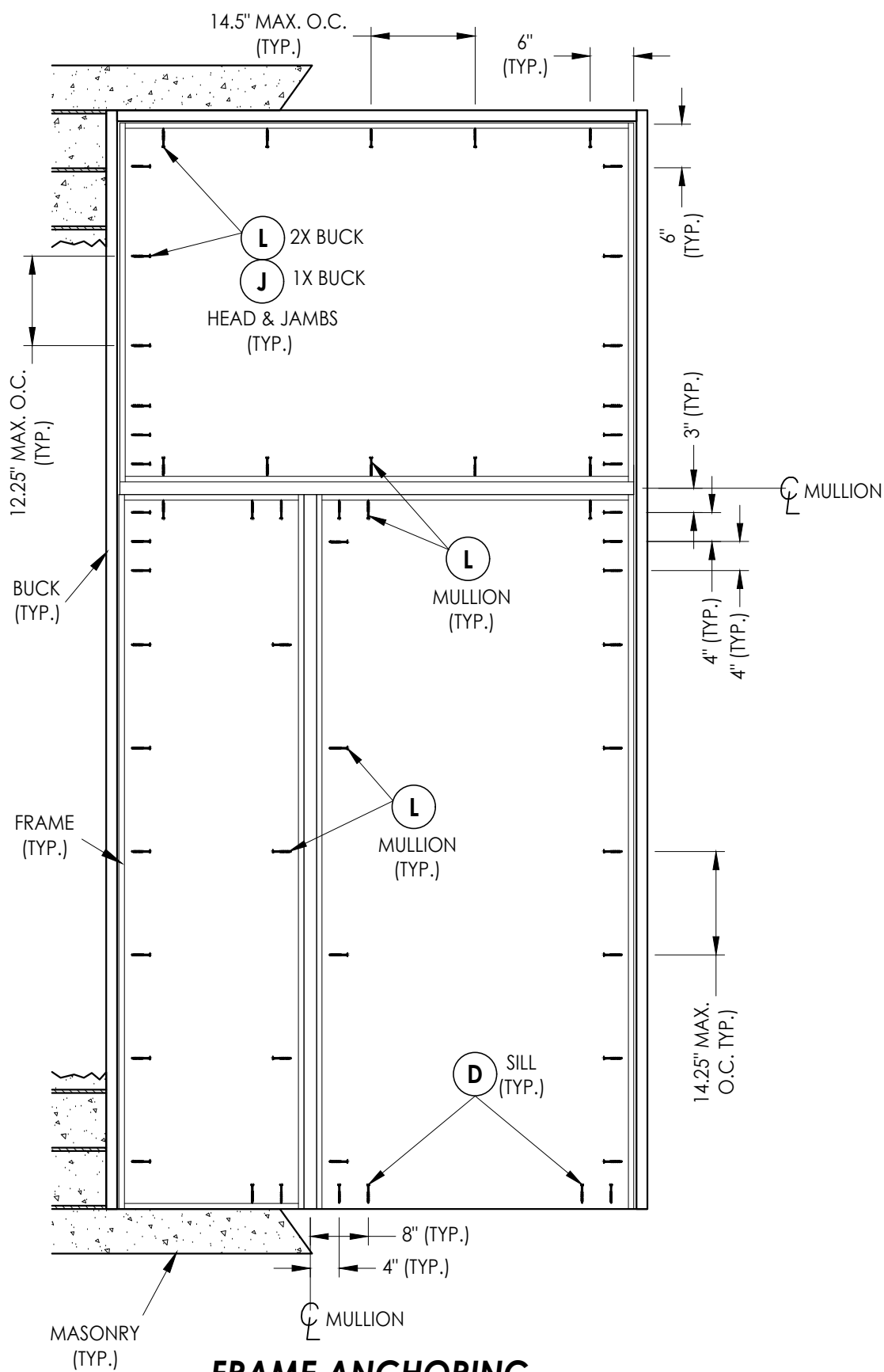
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2X BUCK ANCHORING
O/OX Shown (O/XO - Similar)

NOTE:
1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2\"/>



FRAME ANCHORING
O/OX Shown (O/XO - Similar)

DATE: 2/14/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-21891.3

SHEET 11 OF 14

PRODUCT:

MILLWORK 360
WOOD DOOR

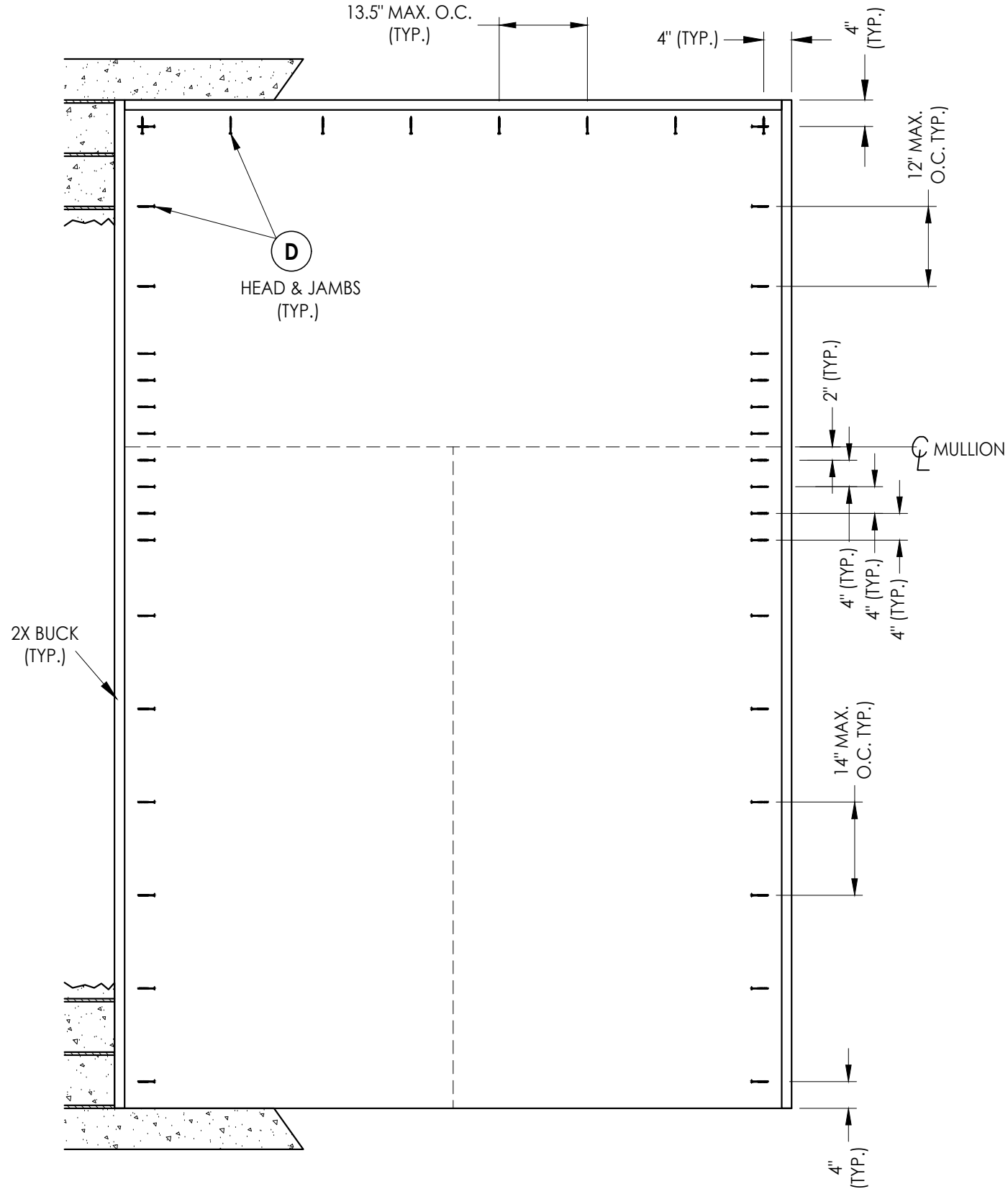
PART OR ASSEMBLY:

BUCK & FRAME ANCHORING
(O/OX)

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

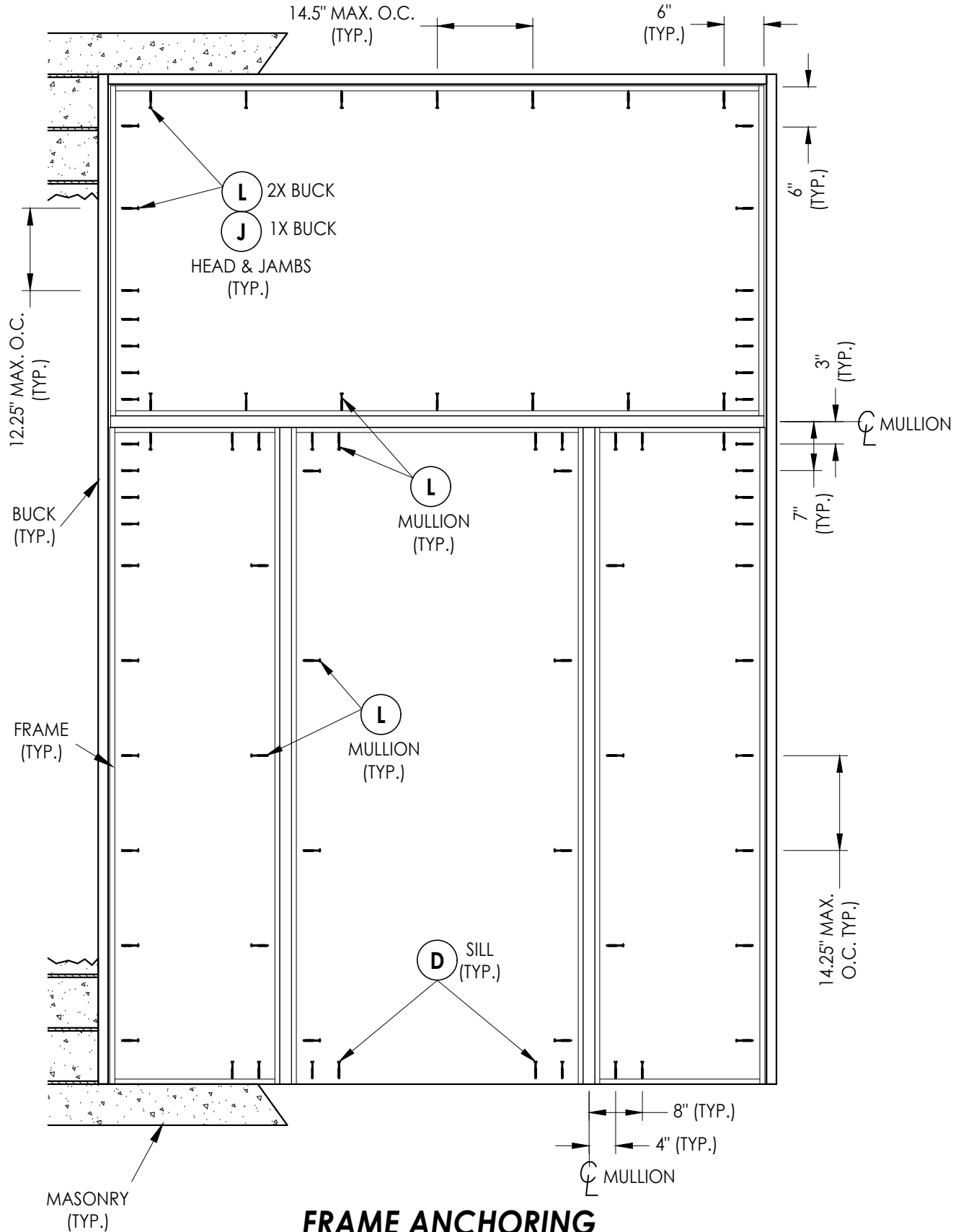
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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2X BUCK ANCHORING
O/OXO

NOTE:
1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS.



FRAME ANCHORING
O/OXO

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 360
WOOD DOOR

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
(O/OXO)

				REVISIONS			
				NO.	DATE	BY	
				3	8/08/23	UPDATE TO 8TH ED. (2023)	FBC LFS
				2	9/01/20	UPDATE TO 7TH ED. (2020)	FBC LFS
				1	10/03/17	UPDATE TO 6TH ED. (2017)	FBC JK

DATE: 2/14/17

SCALE: N.T.S.

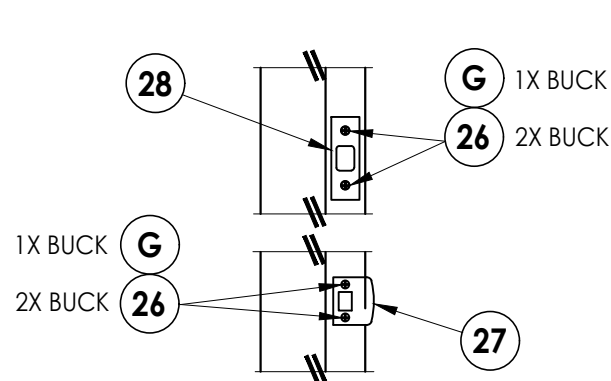
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CHK. BY: LFS

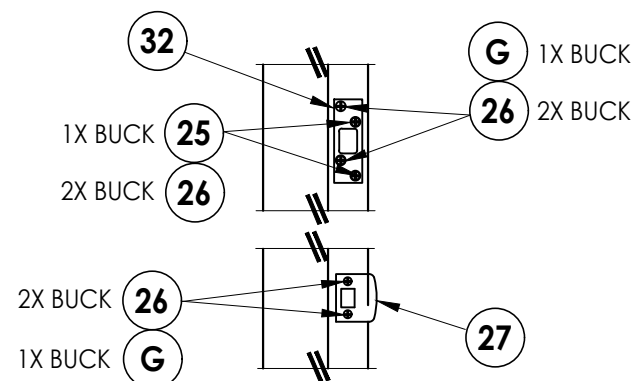
DRAWING NO.:

FL-21891.3

SHEET 12 OF 14

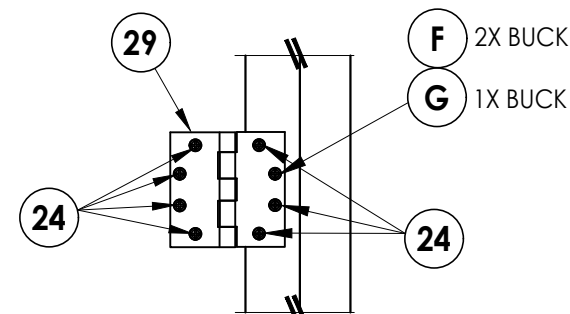


LATCH & DEADBOLT STRIKE DETAIL

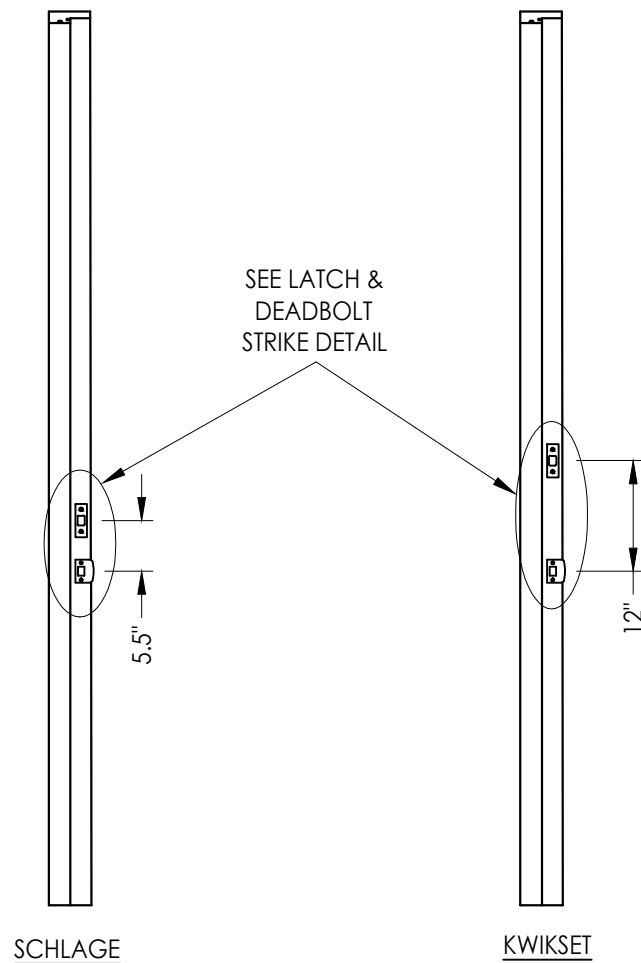


LATCH & DEADBOLT STRIKE DETAIL

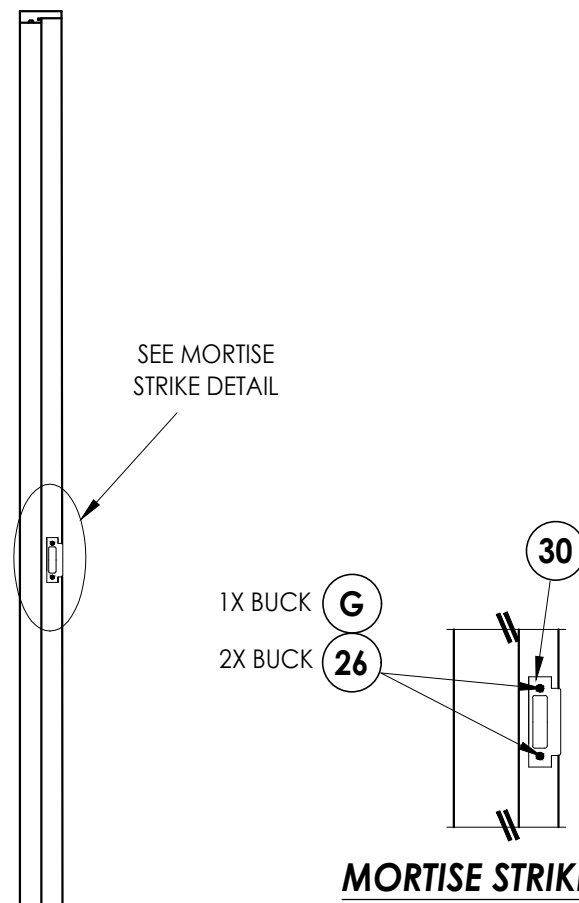
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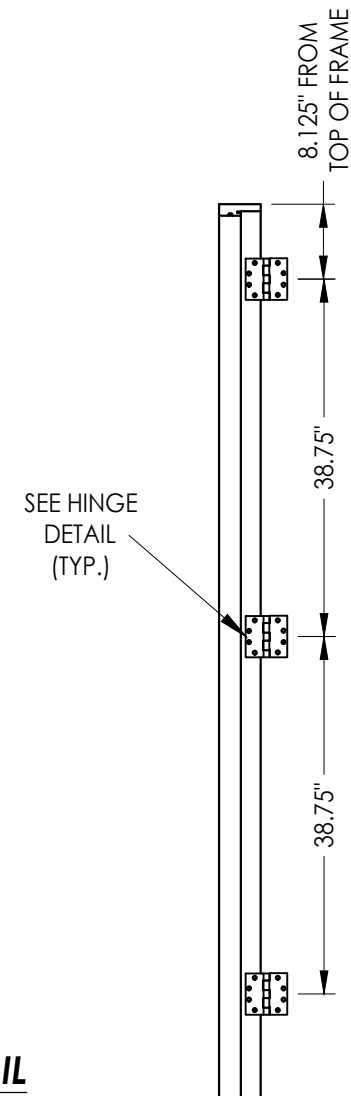
HINGE DETAIL



LATCH & DEADBOLT DETAILS



MORTISE STRIKE DETAIL



HINGE JAMB

3	8/08/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
2	9/01/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
1	10/03/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
NO.	DATE			BY	
					REVISIONS

DATE:	2/14/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21891.3
SHEET	13 OF 14

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

R^{qW} 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 (SG >= 0.42)	WOOD
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
F	#12 X 2-1/2" PFH WOOD SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
K	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	JAMB (Door)	WOOD
2	JAMB (Transom and Sidelite)	WOOD
3	MULLION	LSL
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
14	OUTSWING THRESHOLD	ALUM/COMP
15	INSWING THRESHOLD	ALUM/COMP
16	ADA THRESHOLD	ALUM
22	#10 X 2" PFH WOOD SCREW	STEEL
24	#12 x 1" PFH WOOD SCREW	STEEL
25	#8 x 1-3/4 PFH WOOD SCREW	STEEL
26	#8 x 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4.5" X 4.5" HINGE	STEEL
30	MORTISE STRIKE PLATE	STEEL
32	DEADBOLT SECURITY STRIKE PLATE	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-
70	TRANSOM PANEL	-

WOOD FRAME COMPONENTS: SIPO (UTILE) (G = 0.53)

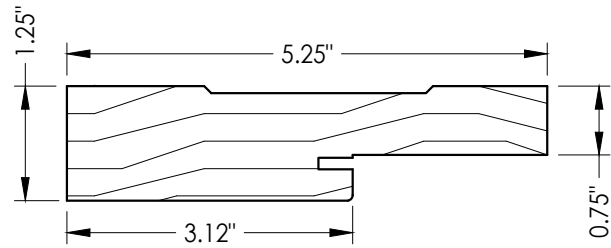
CONCRETE ANCHOR NOTES:

- 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:

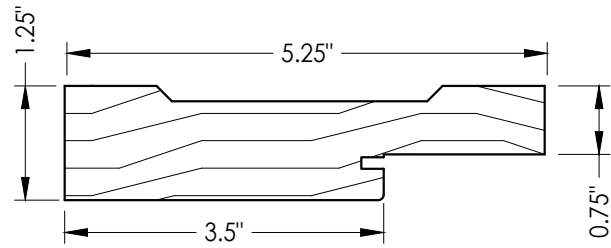
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

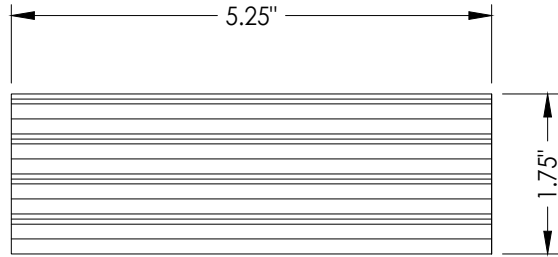
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



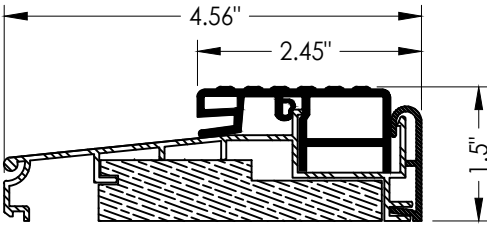
1 WOOD JAMB
(Door)



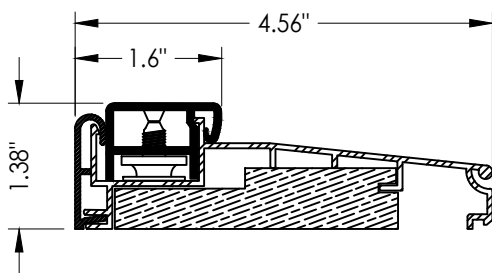
2 WOOD JAMB
(Transom and Sidelite)



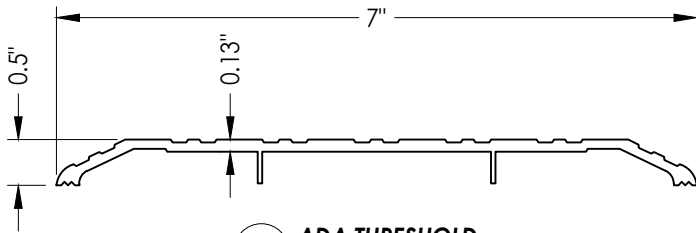
3 MULLION
VERSA-LAM® 3100 Fb-2.0E



14 OUTSWING THRESHOLD
WORLDWIDE



15 INSWING THRESHOLD
WORLDWIDE



16 ADA THRESHOLD

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

PRODUCT: MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
3	8/08/23	UPDATE TO 8TH ED. (2023) FBC
2	9/01/20	UPDATE TO 7TH ED. (2020) FBC
1	10/03/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 2/14/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-21891.3

SHEET 14 OF 14