

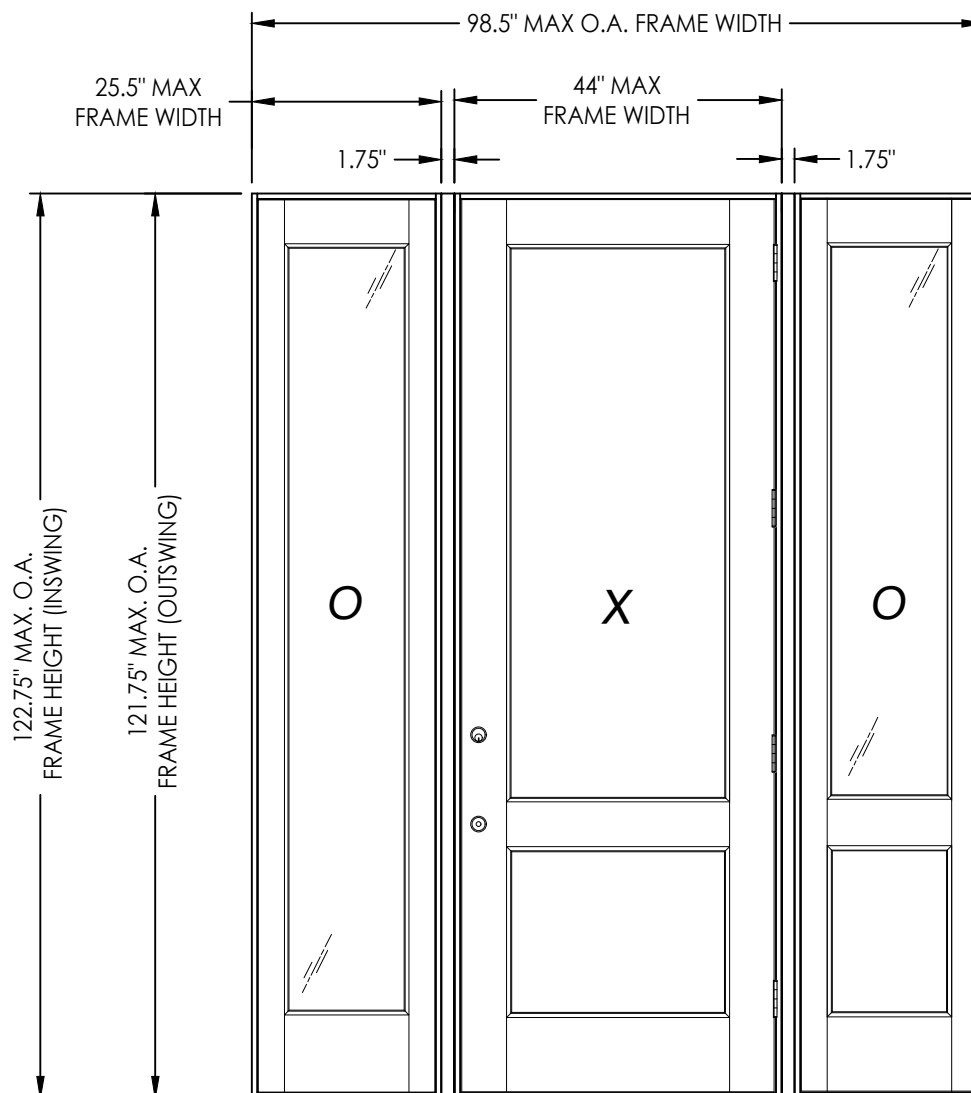


IMPACT 360 SERIES
WOOD GLAZED OR OPAQUE
SINGLE DOOR w/ SIDELITE(S)
INSWING/OUTSWING
"IMPACT"

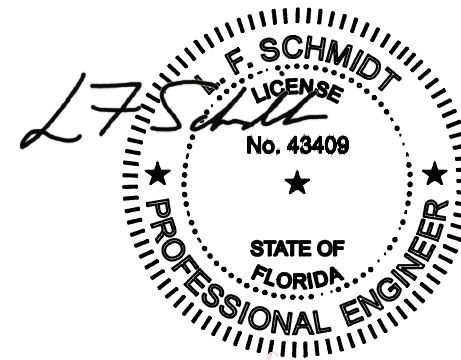
GENERAL NOTES:

1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements including 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 the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
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.
6. Outswing configurations meet water infiltration requirements for "HVHZ".
7. Inswing configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

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8	Horizontal & Vertical Cross Sections (1X Buck)
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10	Vertical Cross Sections (Thresholds)
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12	Buck & Frame Anchoring (OXO)
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CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX, XO, OXO	+60.0	−60.0	+60.0	−60.0



Digitally signed by Lyndon F
Schmidt
Date: 2026.08.27 12:06:21 -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

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: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

4	8/26/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS	
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: 03/27/17

SCALE: N.T.S.

DWG. BY: JK

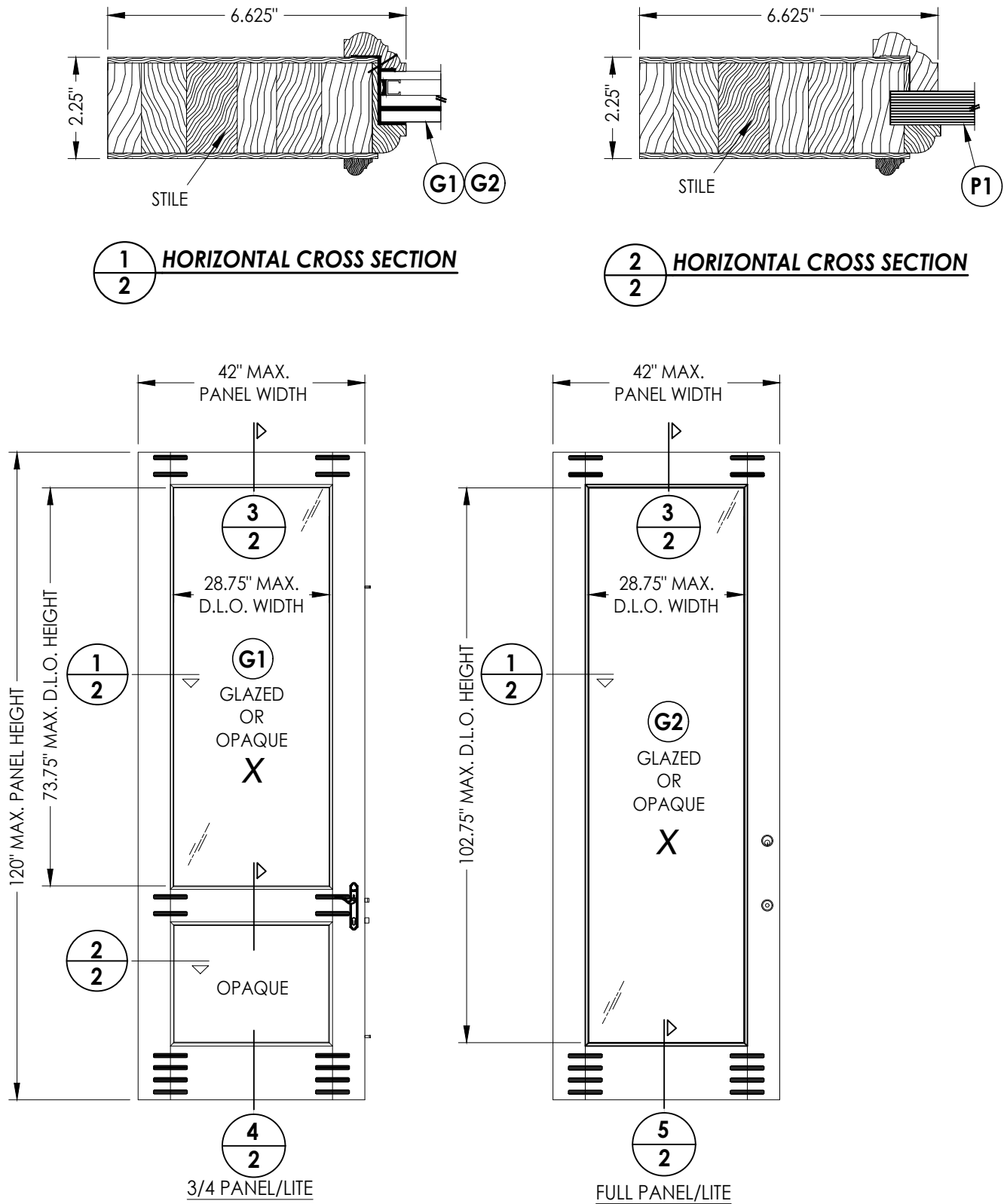
CHK. BY: LFS

DRAWING NO.:

FL-21891.7

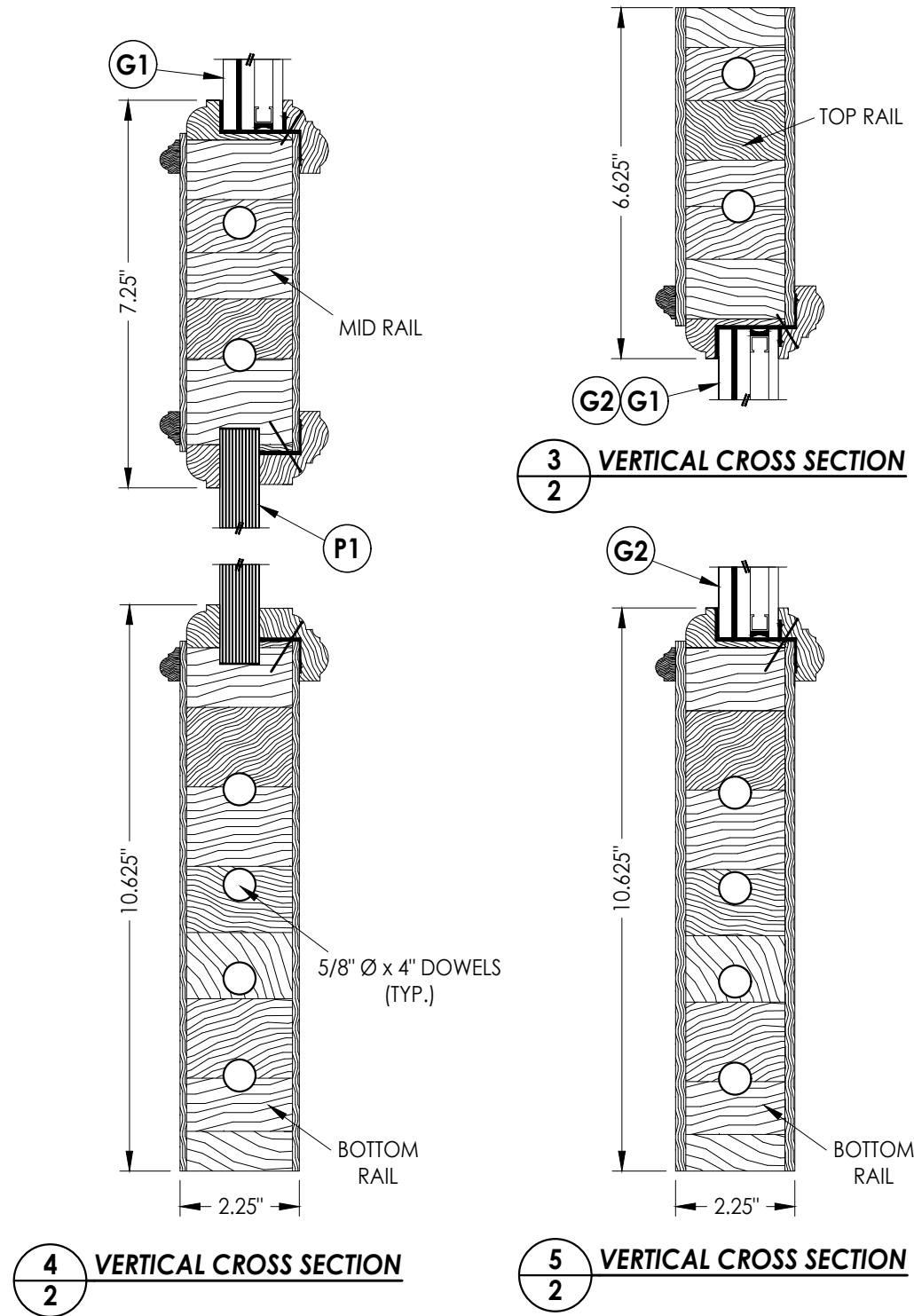
SHEET 1 OF 14

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40 WOOD DOOR PANEL (3'-6")
Glazed or Opaque

WOOD DOOR COMPONENTS:
ENGINEERED STAVE CORE: SIPO (UTILE) (G = 0.53)
VENEER/EDGES: CYPRESS (G = 0.42)
NOTE: VENEER/EDGE MAY INCLUDE OAK, CHERRY, WALNUT OR
OTHER OPTIONAL HARDWOOD SPECIES w/ G >= 0.42.



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P.E. No. 43409

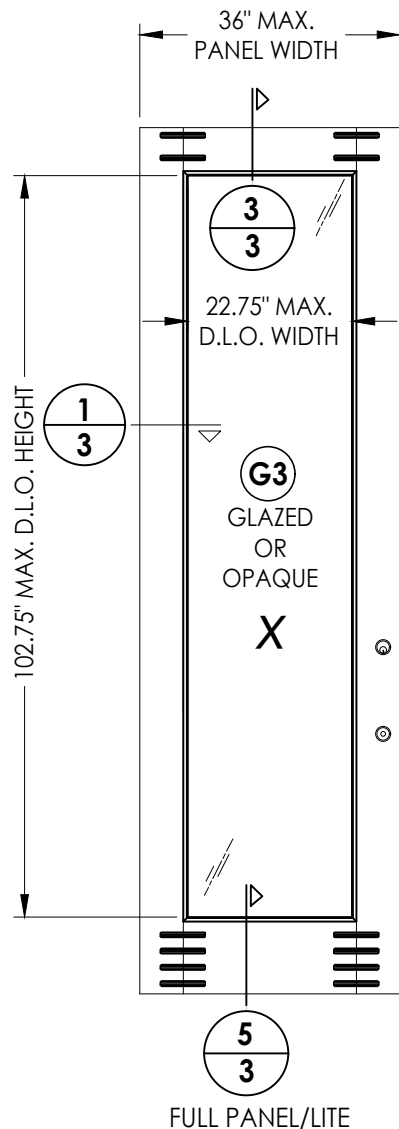
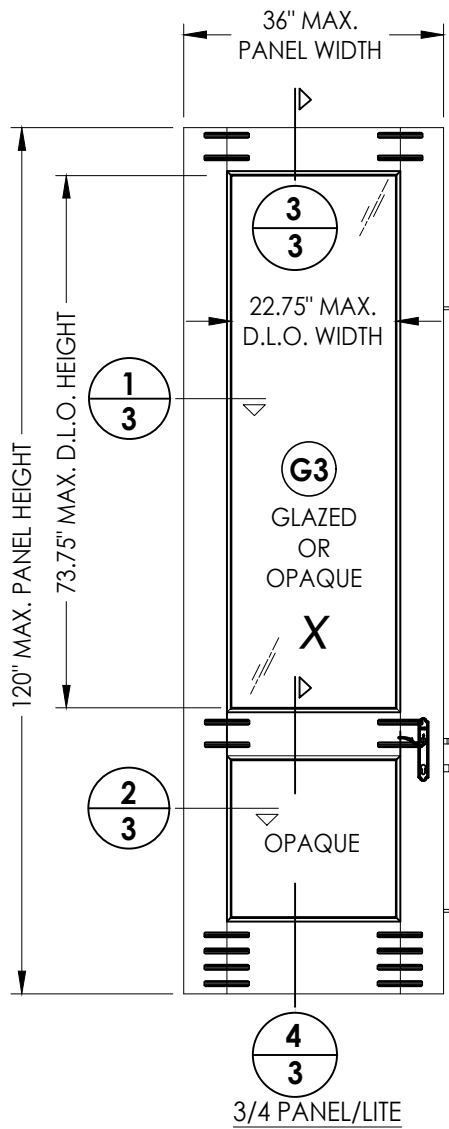
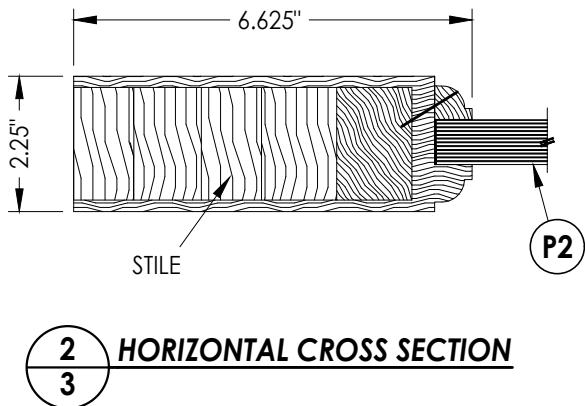
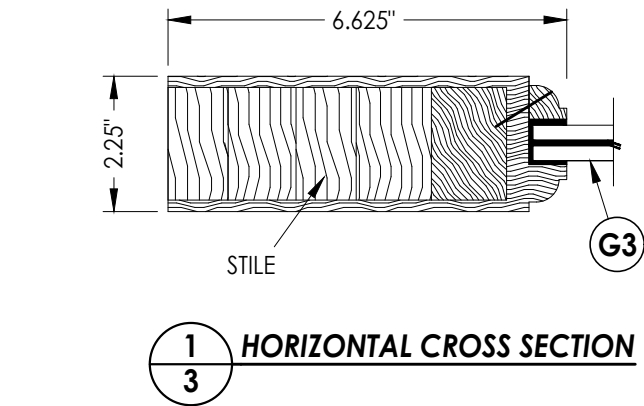
PRODUCT:
MILLWORK 360
WOOD DOOR

NO.	DATE	REVISIONS
4	8/26/26	UPDATE TO 9TH ED. (2026) FBC
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

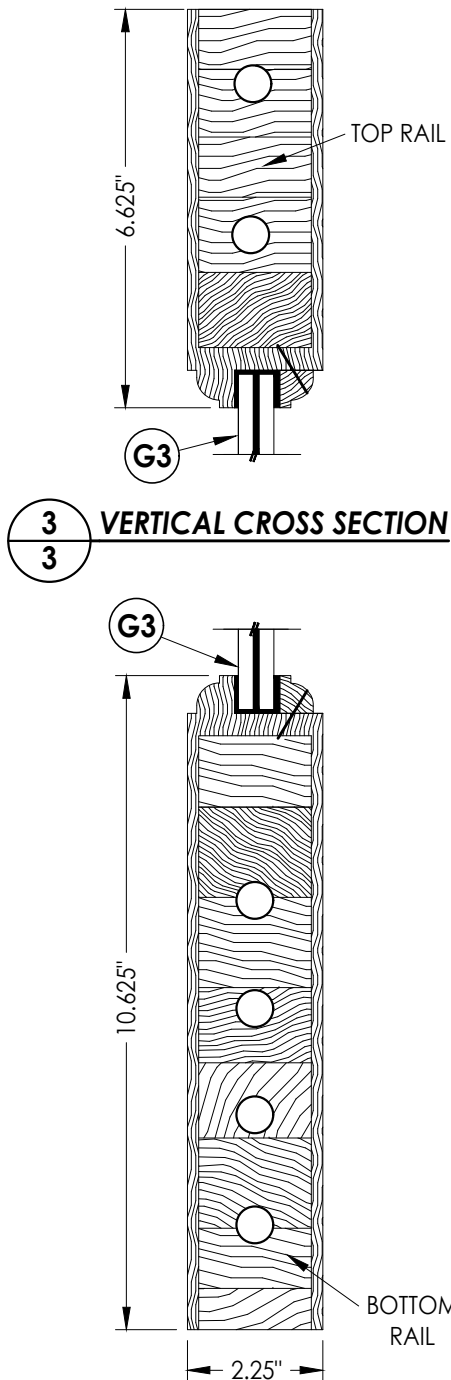
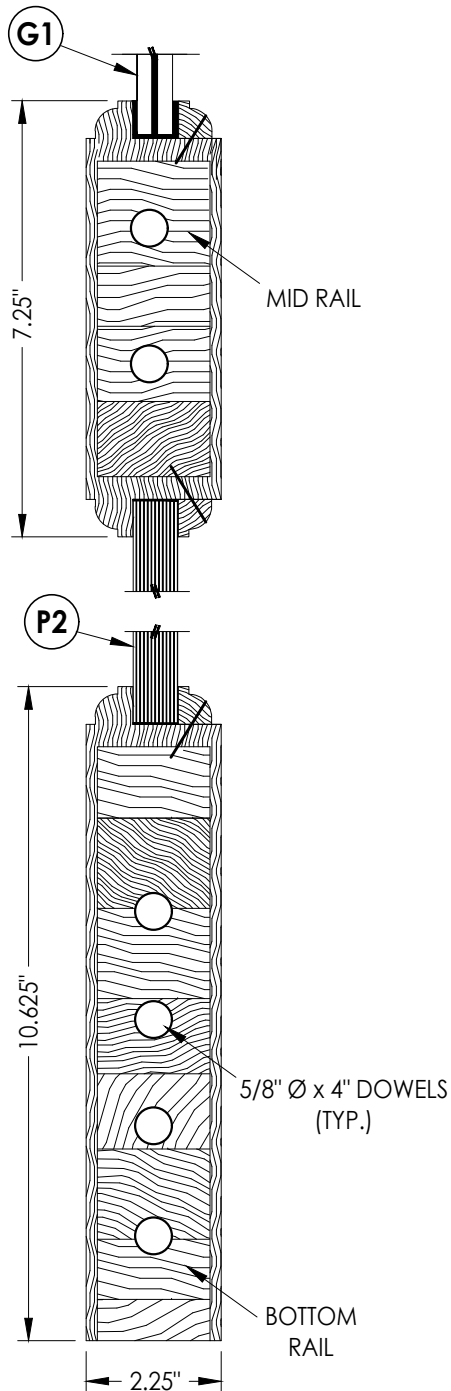
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SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21891.7
SHEET 2 OF 14

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

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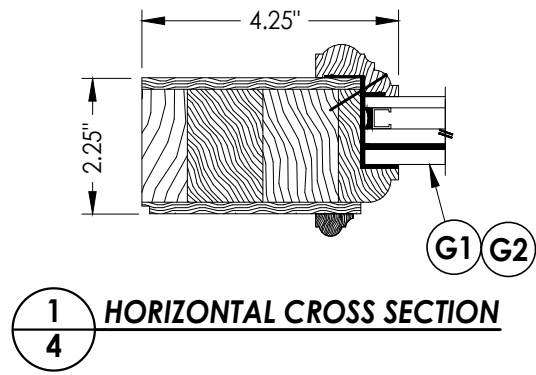


WOOD DOOR COMPONENTS:
ENGINEERED STAVE CORE: SIPO (UTILE) (G = 0.53)
VENEER/EDGES: CYPRESS (G = 0.42)
NOTE: VENEER/EDGE MAY INCLUDE OAK, CHERRY, WALNUT OR
OTHER OPTIONAL HARDWOOD SPECIES w/ G >= 0.42.

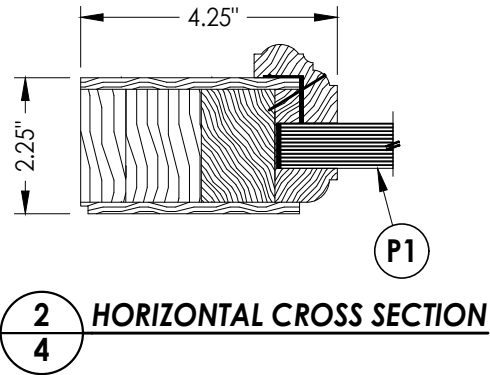


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: MILLWORK 360 WOOD DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
4	8/26/26	UPDATE TO 9TH ED. (2026)	FBC
3	8/08/23	UPDATE TO 8TH ED. (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: 3/09/17		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-21891.7		SHEET 3 OF 14	

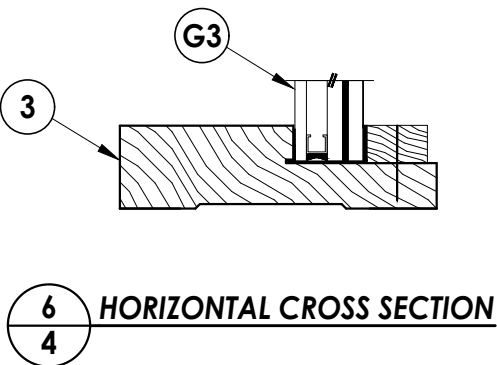
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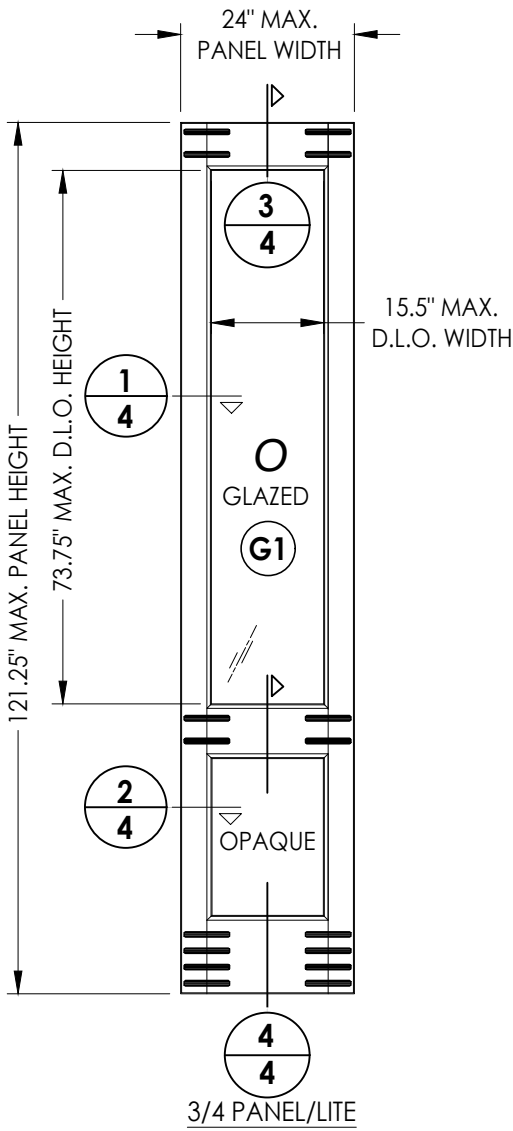
1 HORIZONTAL CROSS SECTION
4



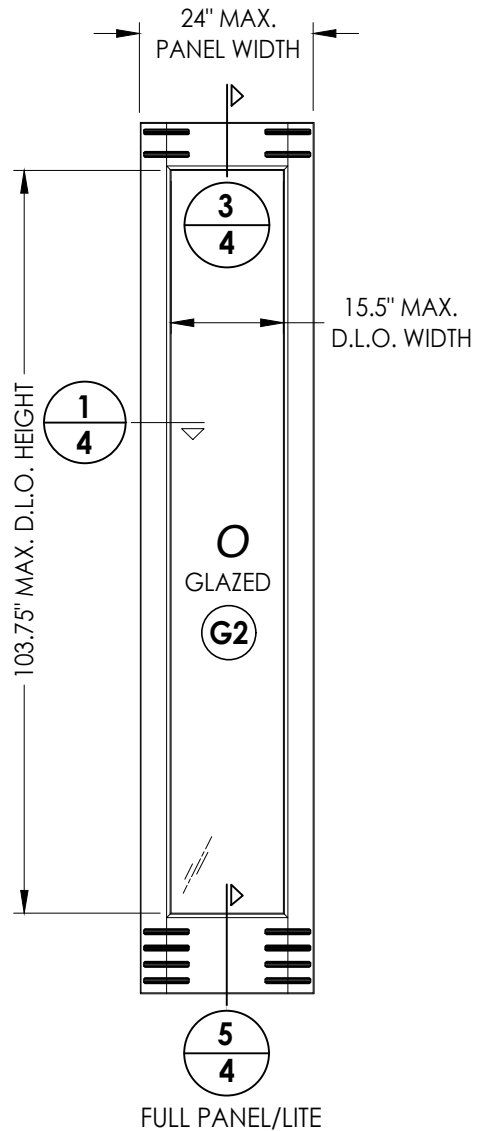
2 HORIZONTAL CROSS SECTION
4



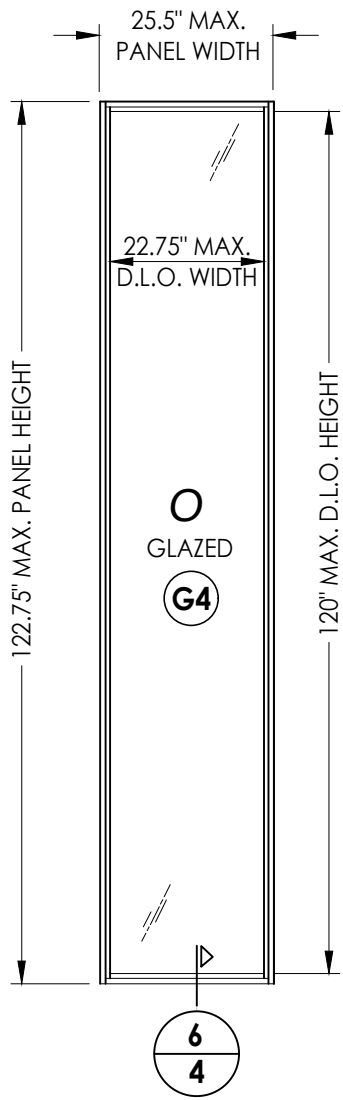
6 HORIZONTAL CROSS SECTION
4



50 WOOD SIDELITE PANEL (2'-0")
3/4 PANEL/LITE

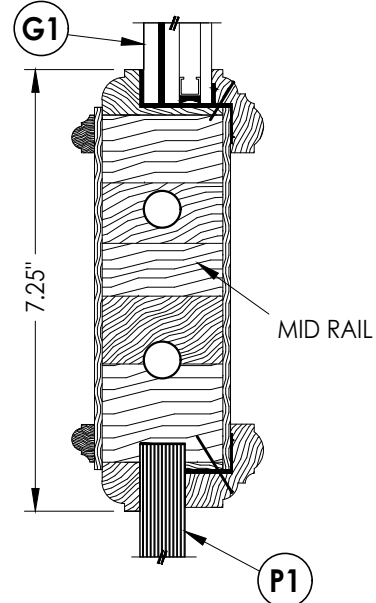


5 FULL PANEL/LITE

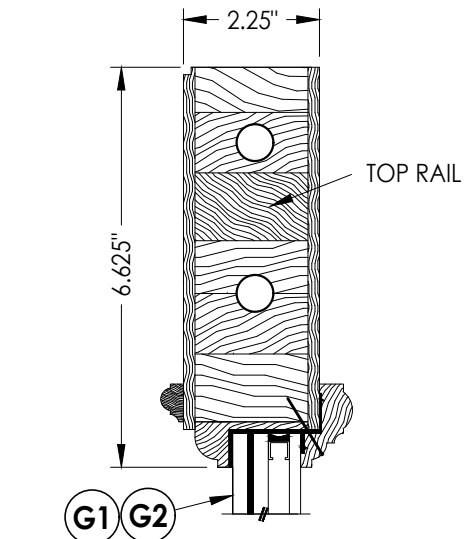
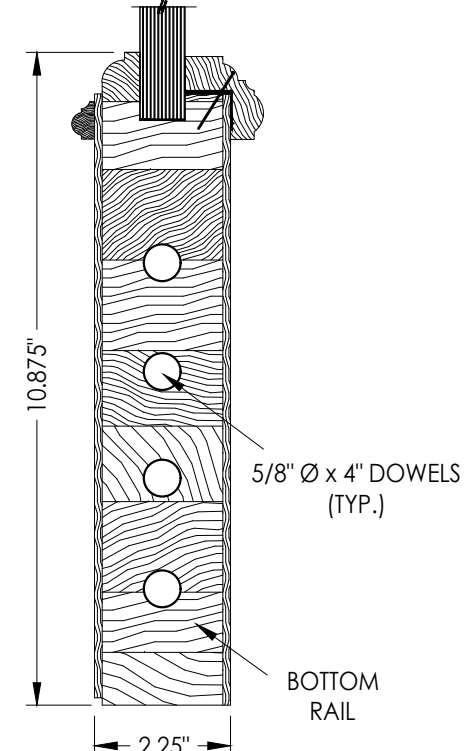


51 WOOD SIDELITE PANEL (2'-0")
DIRECT SET

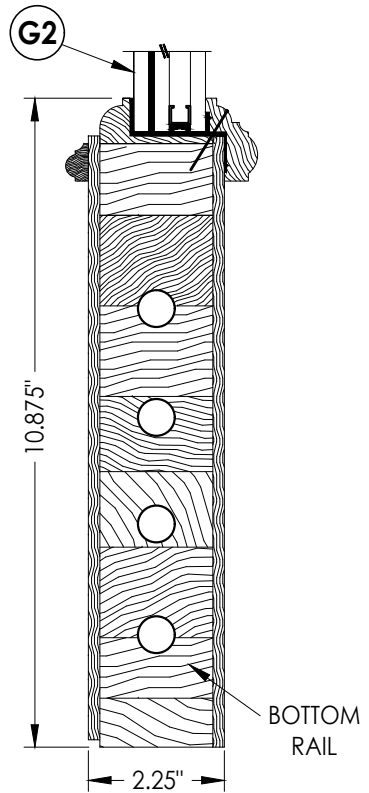
WOOD SIDELITE COMPONENTS:
ENGINEERED STAVE CORE: SIPO (UTILE) (G = 0.53)
VENEER/EDGES: CYPRESS (G = 0.42)
NOTE: VENEER/EDGE MAY INCLUDE OAK, CHERRY, WALNUT OR
OTHER OPTIONAL HARDWOOD SPECIES w/ G >= 0.42.



4 VERTICAL CROSS SECTION
4



3 VERTICAL CROSS SECTION
4



5 VERTICAL CROSS SECTION
4

Documents Prepared By:
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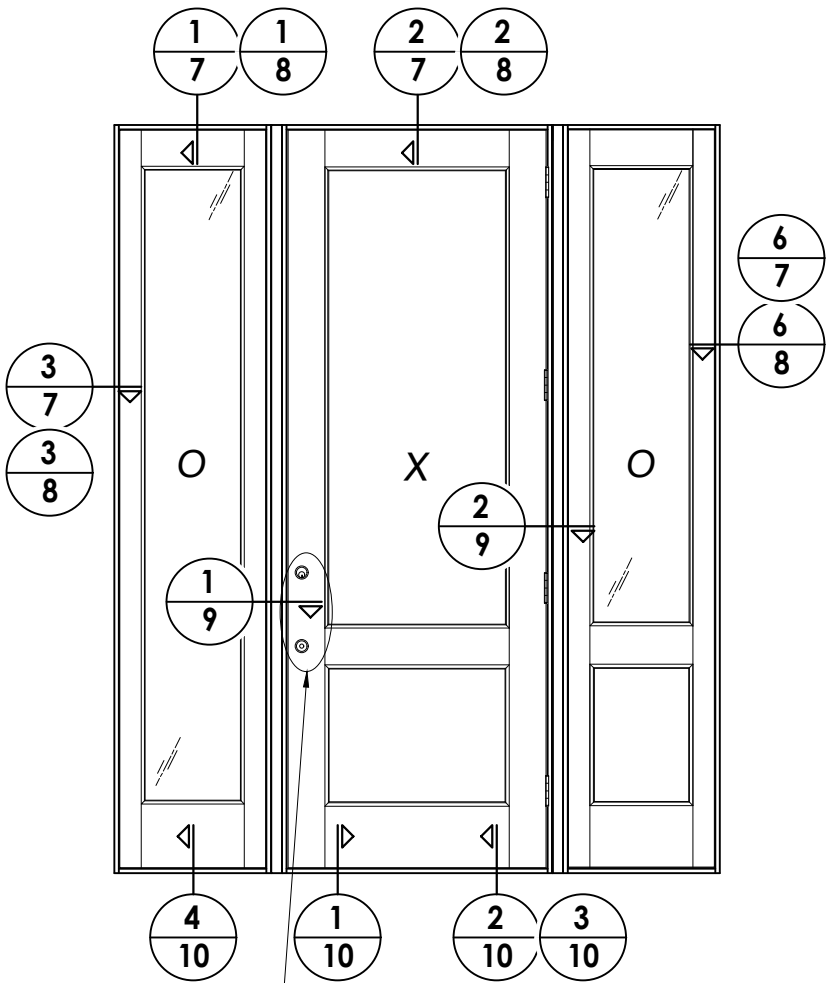
PRODUCT:
MILLWORK 360
WOOD DOOR

NO.	DATE	REVISIONS
4	8/26/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	8/08/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	9/01/20	UPDATE TO 7TH ED. (2020) FBC JK
1	10/03/17	UPDATE TO 6TH ED. (2017) FBC JK

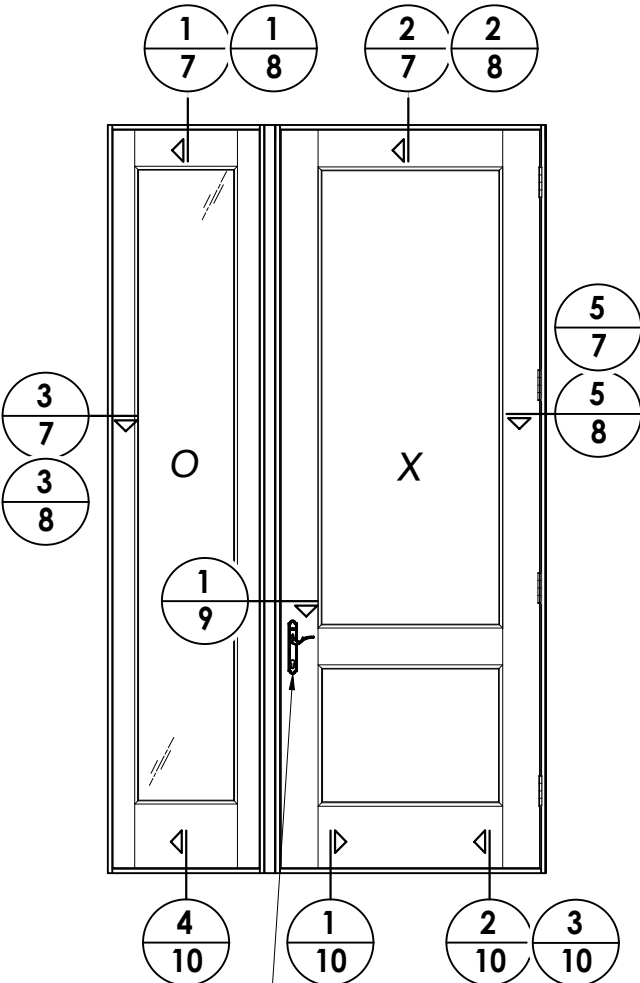
DATE: 03/27/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21891.7
SHEET 4 OF 14

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

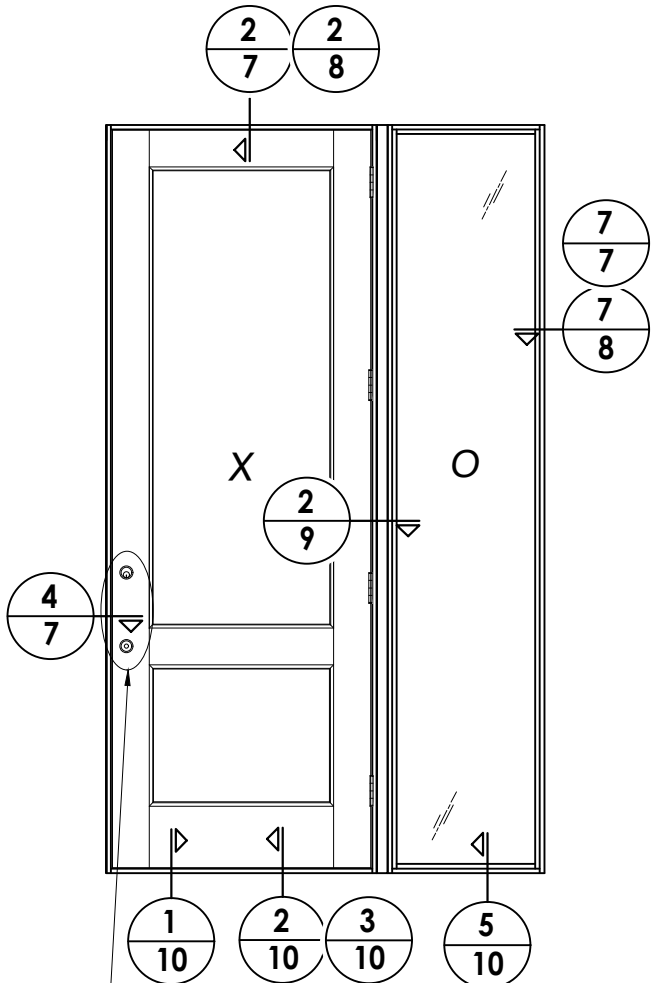
Panel options shown are for illustration and are representative only. Surface applied muntins are used for simulated divided lites shown.



SEE HARDWARE CHART



SEE HARDWARE CHART



SEE HARDWARE CHART

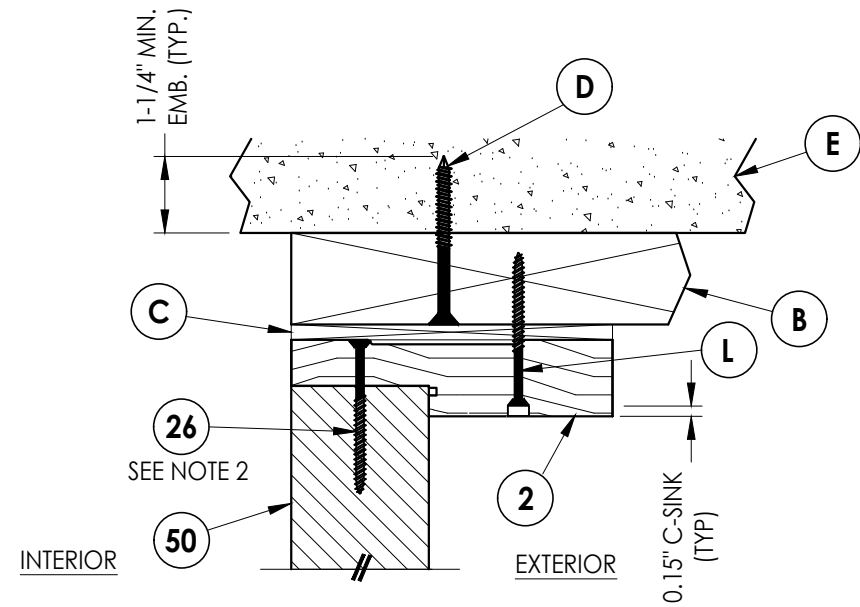
HARDWARE TABLE	
MANUFACTURER	MODEL
HOPPE	MULTIPOINT HARDWARE: HLS 9000 SERIES MULTIPOINT LOCK ROUNDBOLT/SHOOTBOLT (5-PT.)
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)

DATE:	03/27/17			
SCALE:	N.T.S.			
DWG. BY:	JK			
CHK. BY:	LFS			
DRAWING NO.:	FL-21891.7			
SHEET	6	OF	14	

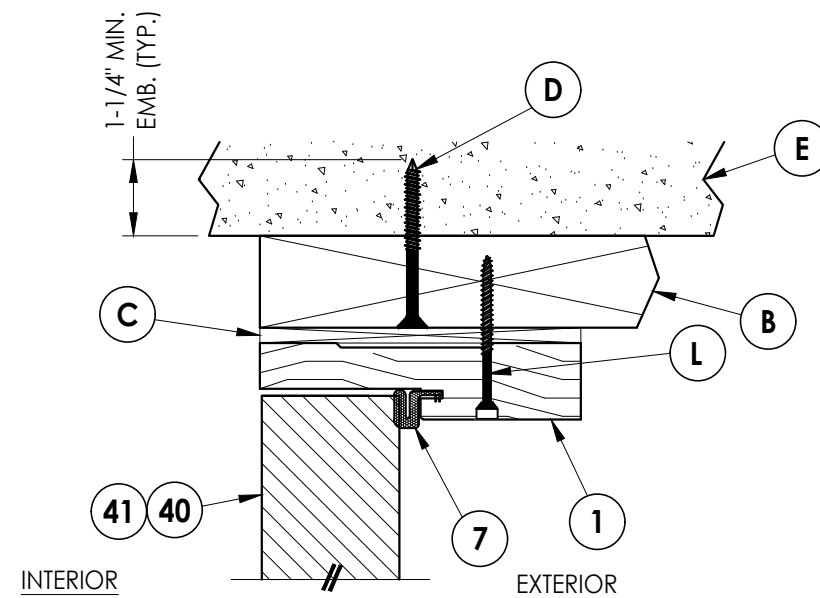
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

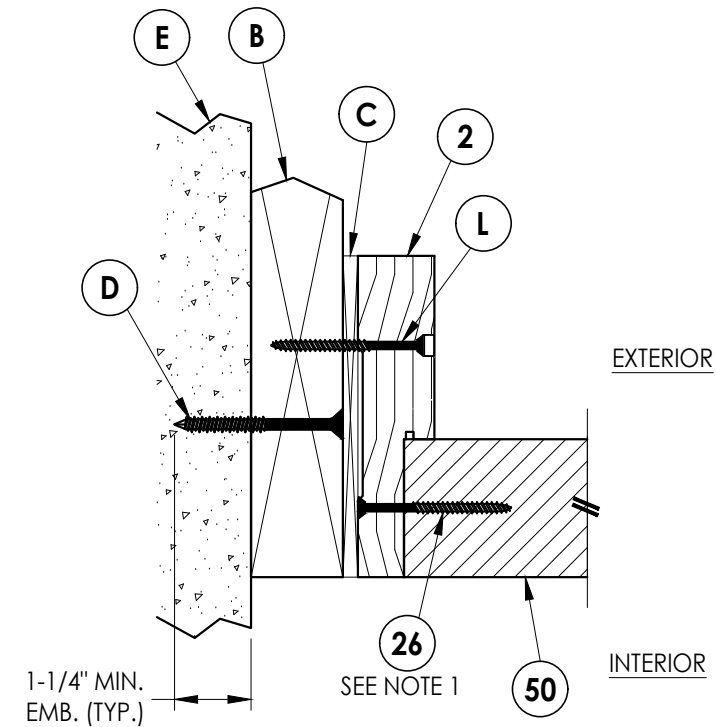
1. Item #26 located 4" from each end & 9 more equally spaced (11 total).
2. Item #26 located 4" from each end & 1 at the center line (3 total).



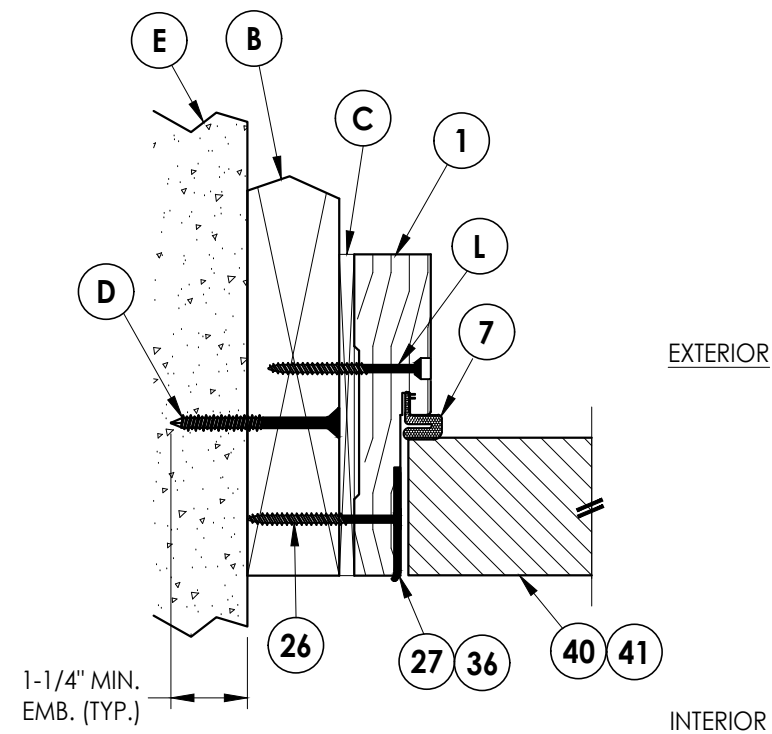
1 **VERTICAL CROSS SECTION**
7 Shown w/ 2X Buck
Inswing shown (Outswing similar)



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

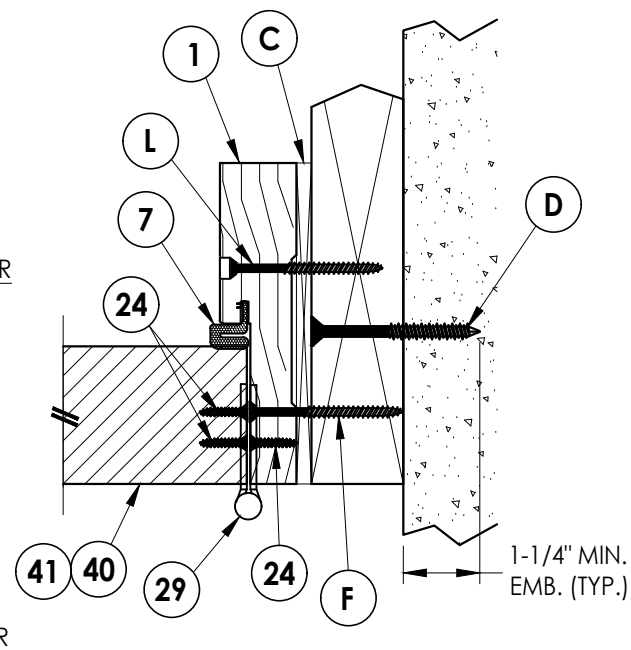


3 **HORIZONTAL CROSS SECTION**
7 Shown w/ 2X Buck
 Inswing shown (Outswing similar)



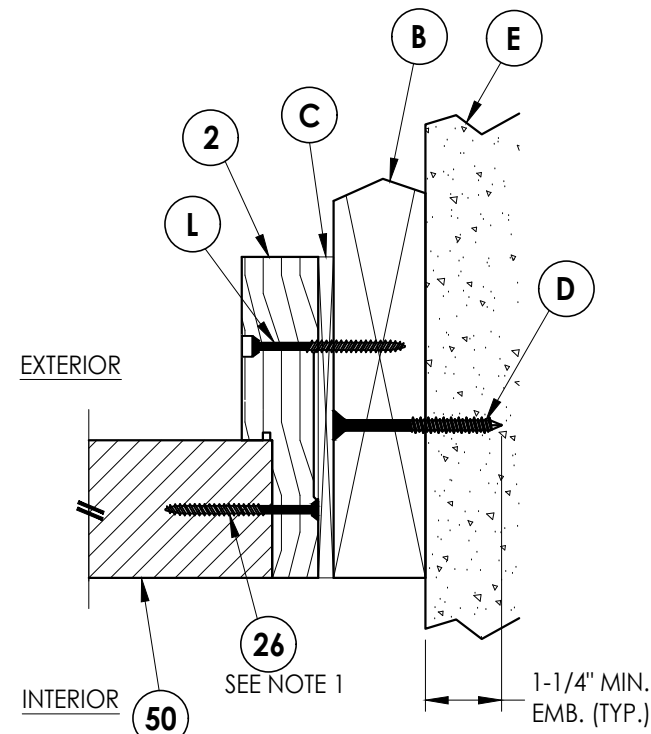
4 7 **HORIZONTAL CROSS SECTION**

Shown w/ 2X Buck
Inswing shown (Outswing similar)

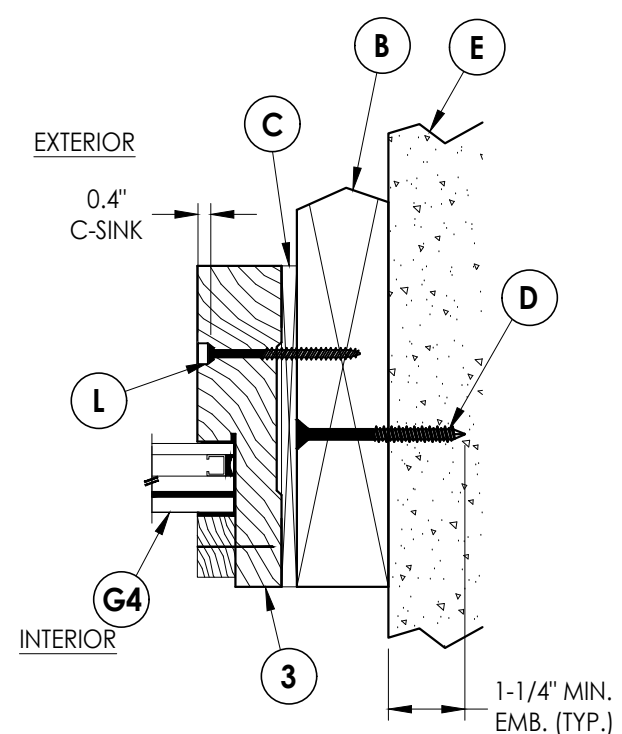


5 **HORIZONTAL CROSS SECTION**

7 Shown w/ 2X Buck
Inswing shown (Outswing similar)



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



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

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

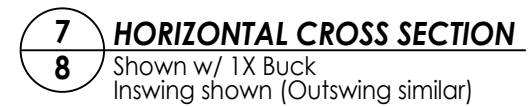
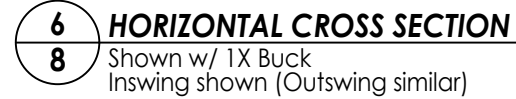
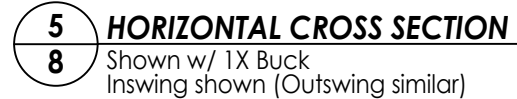
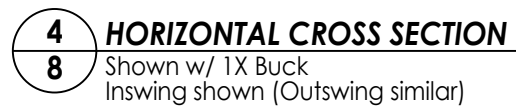
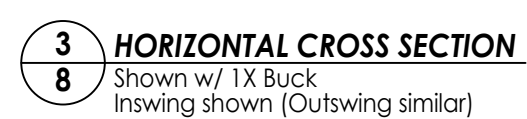
R^gW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: MILLWORK 360
WOOD DOOR

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

[illegible]

1. Item #22 located 4" from each end & 9 more equally spaced (11 total).
2. Item #22 located 4" from each end & 1 at the center line (3 total).



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

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)

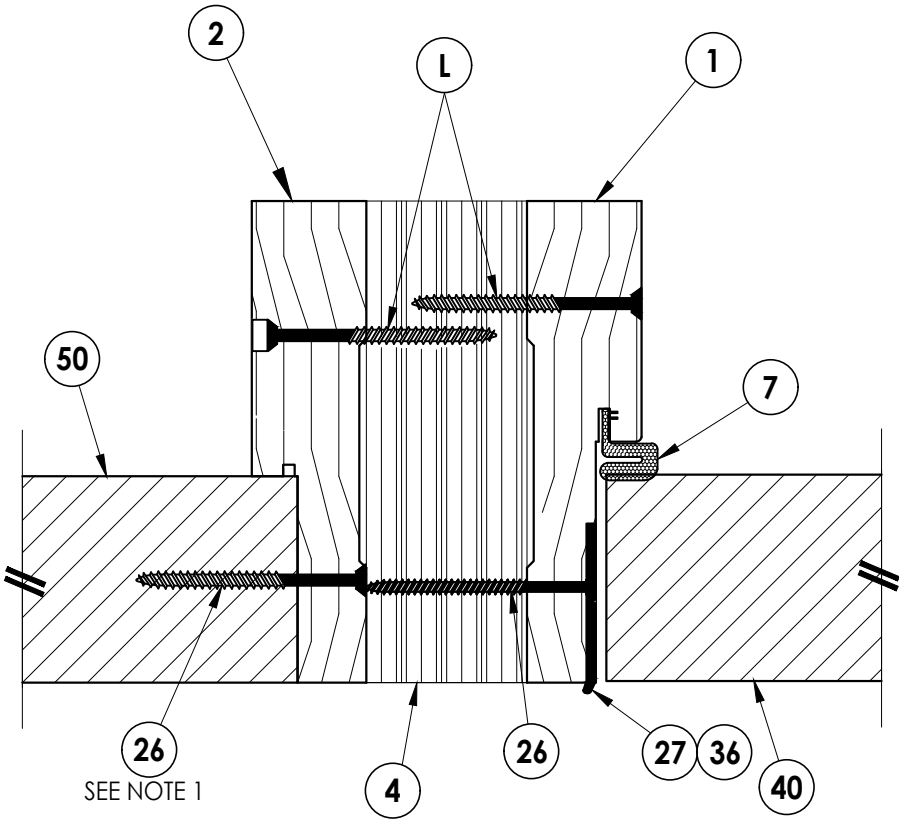
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FL-21891.7

SHEET 8 OF 14

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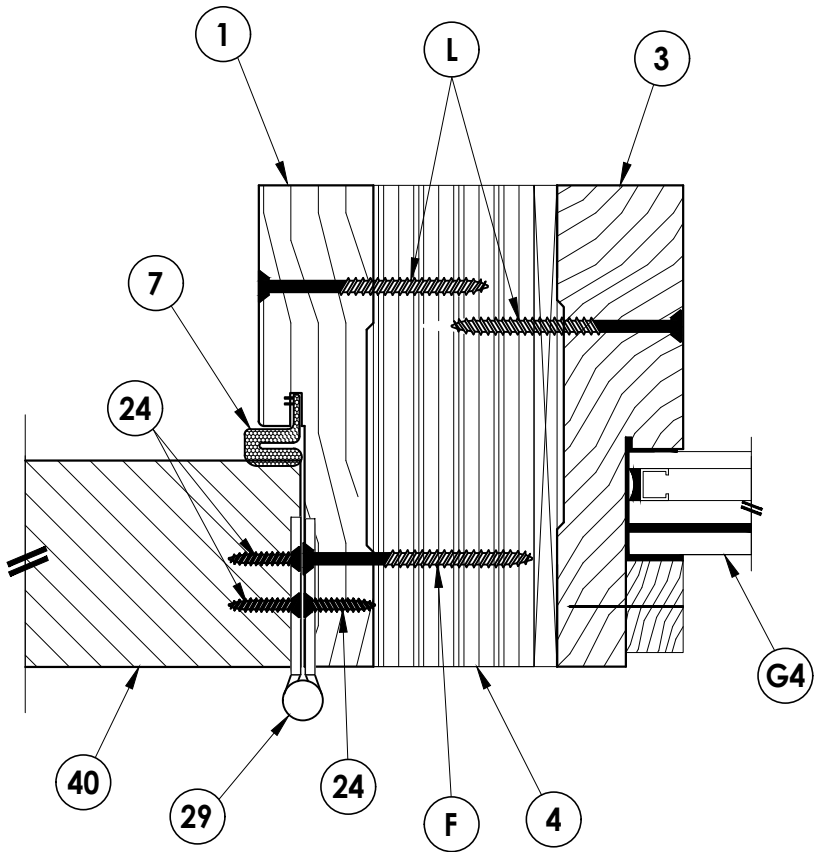
NOTES:
1. Item #26 located 4" from each end & 9 more equally spaced (11 total).



1
9 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)

EXTERIOR

INTERIOR



2
9 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)

NO.	DATE	REVISIONS			
		DATE	BY	JK	LFS
4	8/26/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
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: 03/27/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-21891.7

SHEET 9 OF 14

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

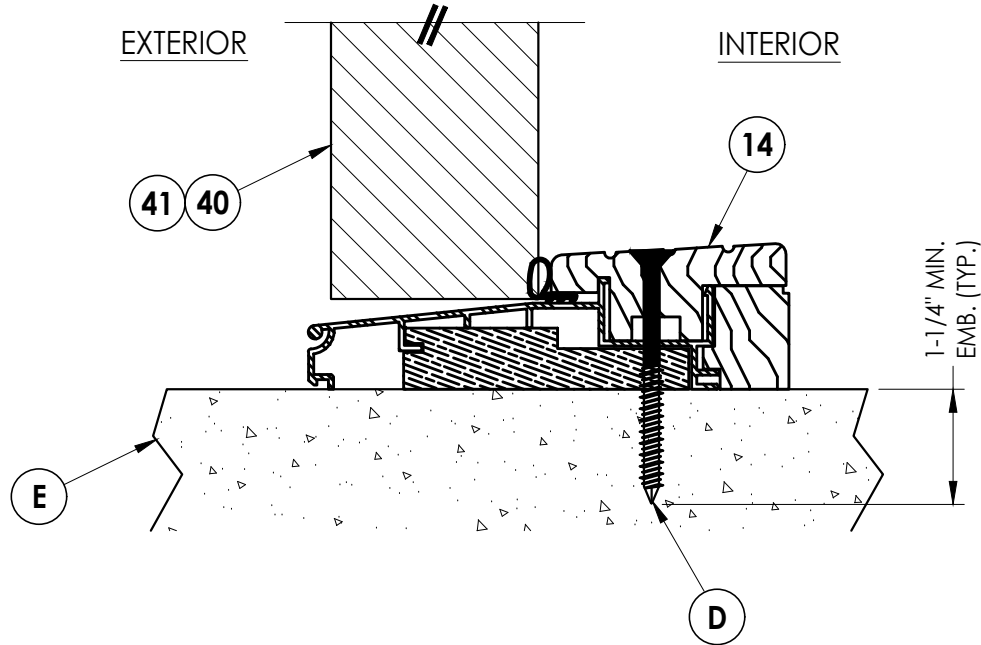
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: MILLWORK 360
WOOD DOOR

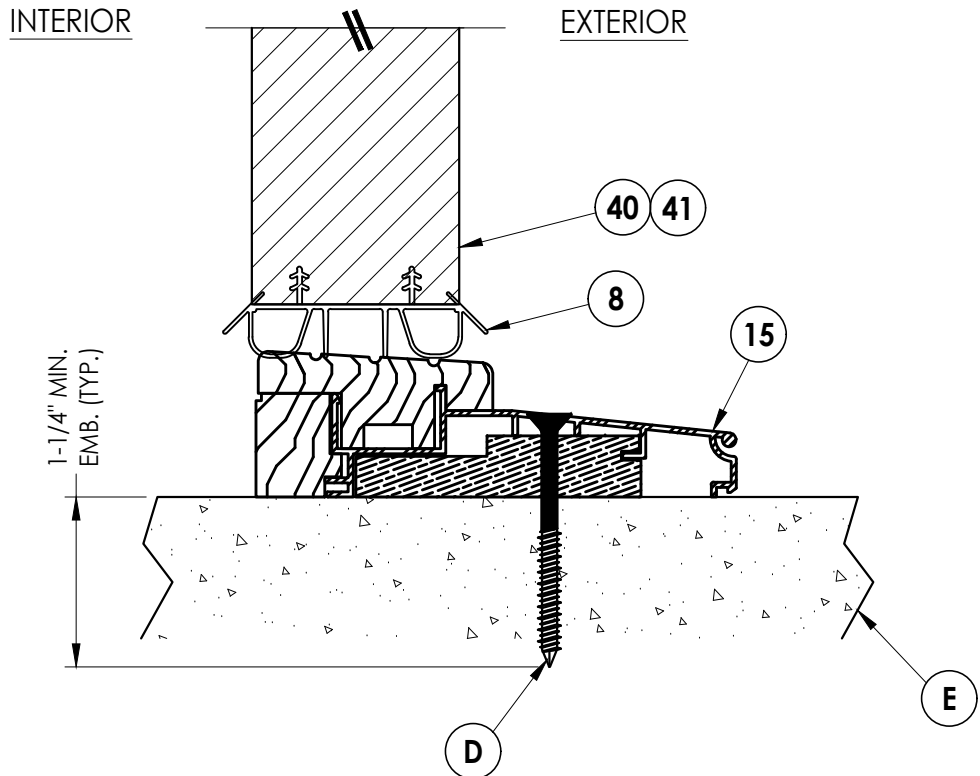
PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

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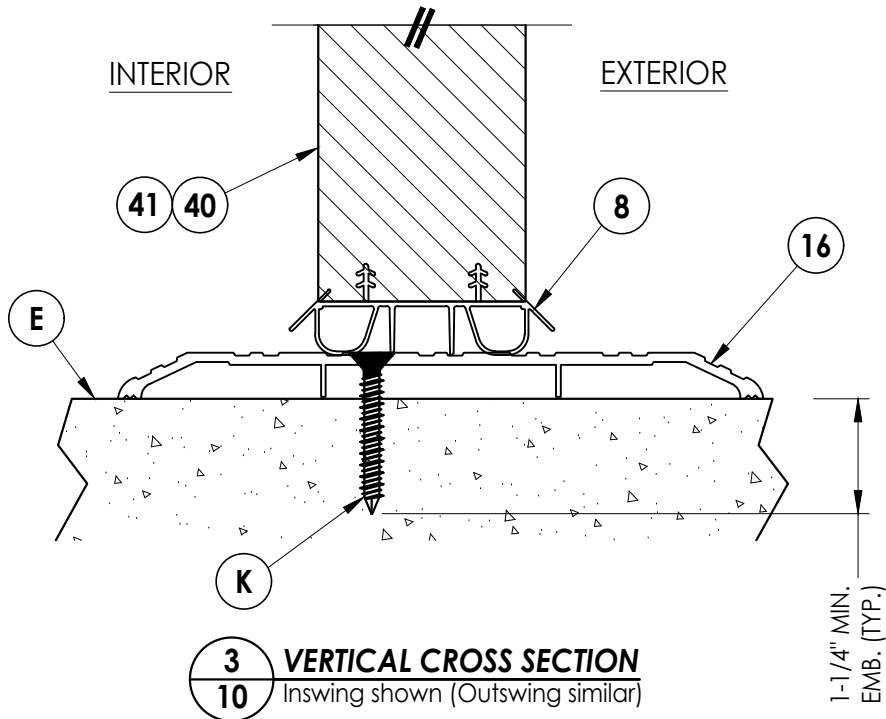
NOTES:
1. Item #26 located 4" from each end & 1 at the center line (3 total).



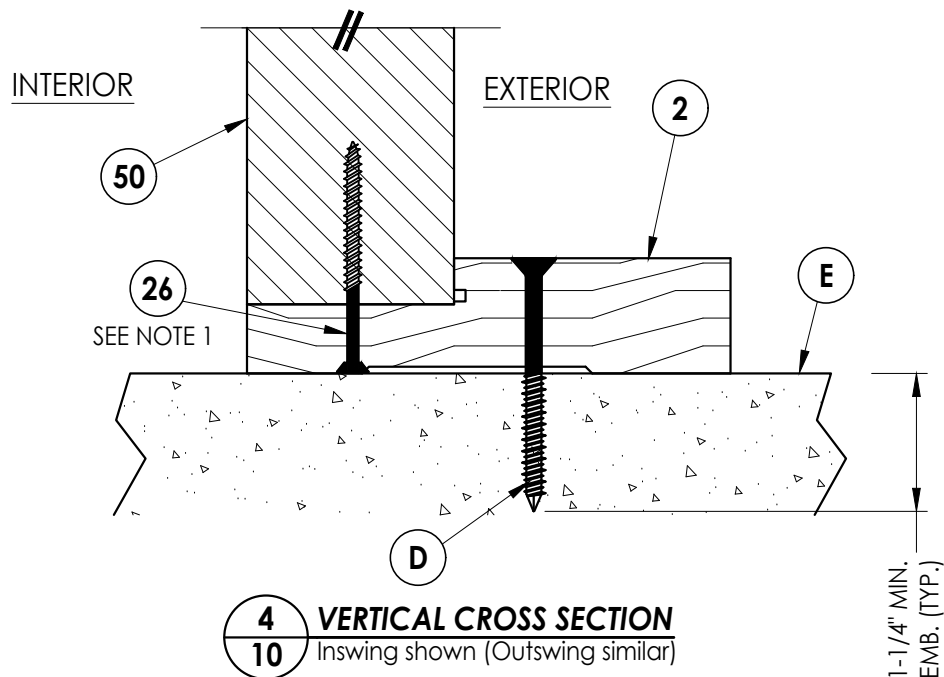
1
10 **VERTICAL CROSS SECTION**
Outswing



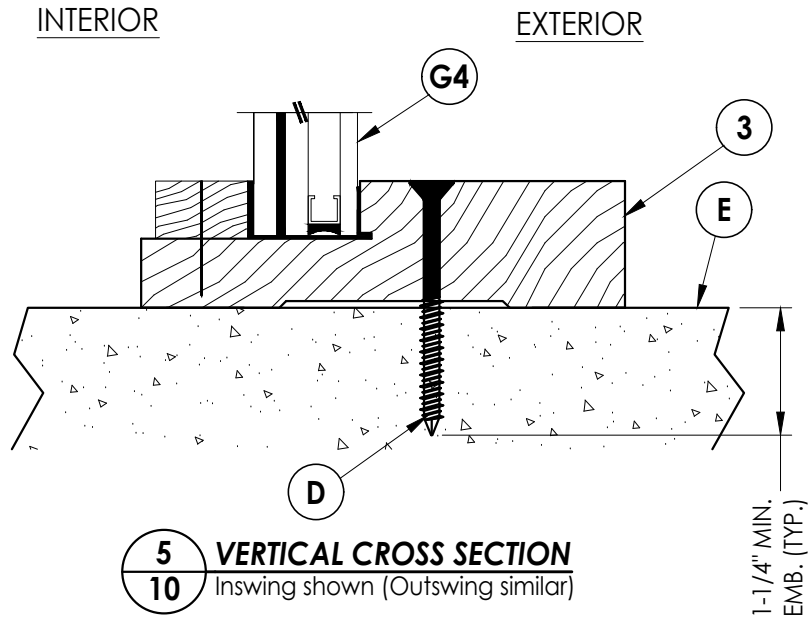
2
10 **VERTICAL CROSS SECTION**
Inswing



3
10 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)



4
10 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)



5
10 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)

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)

										REVISIONS	
4	8/26/26	UPDATE TO 9TH ED. (2026)	FBC	LFS							
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									

DATE: 03/27/17

SCALE: N.T.S.

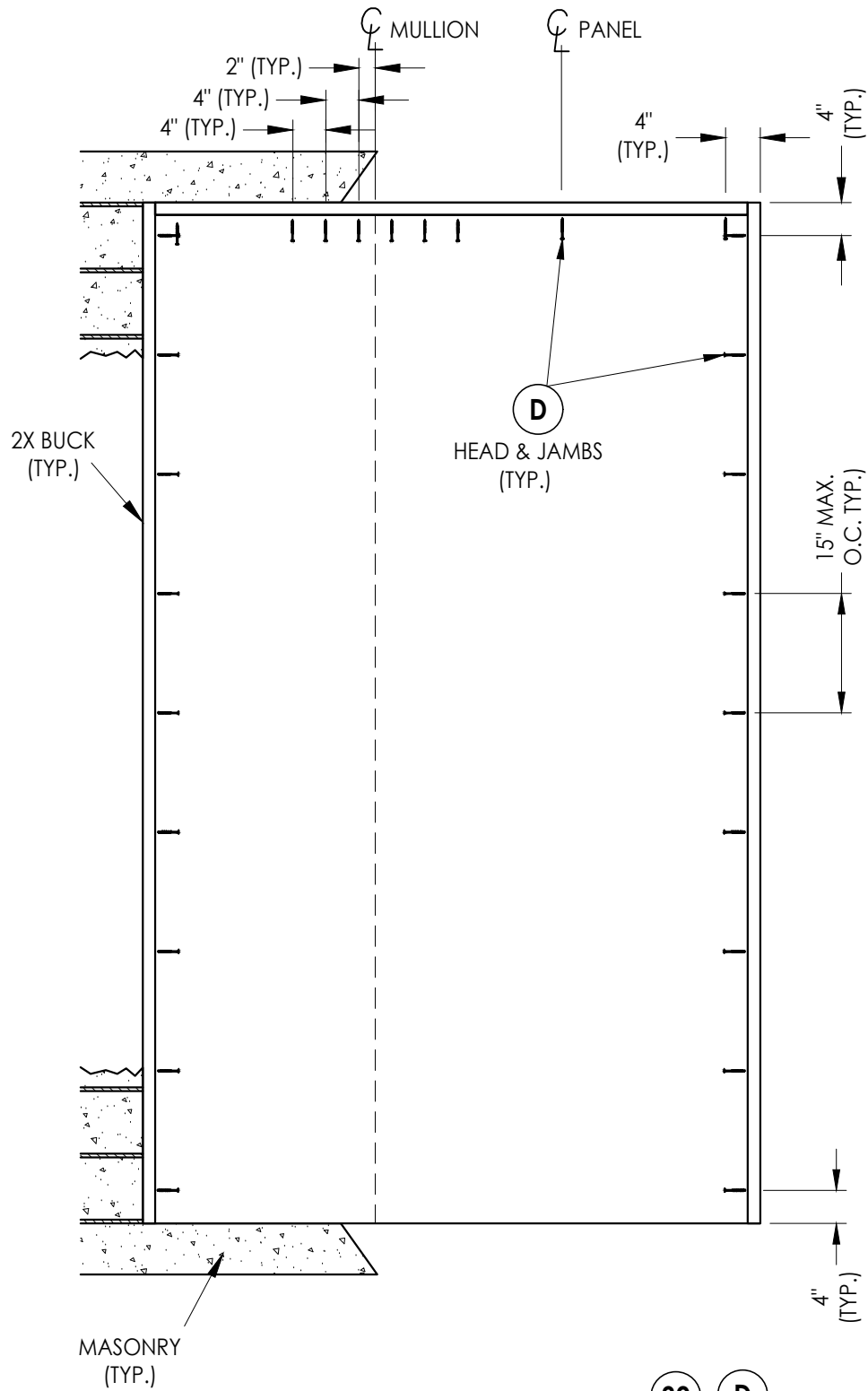
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CHK. BY: LFS

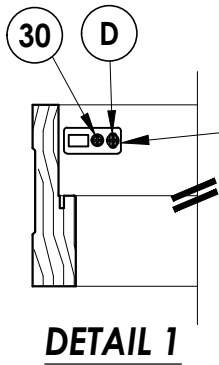
DRAWING NO.: FL-21891.7

SHEET 10 OF 14

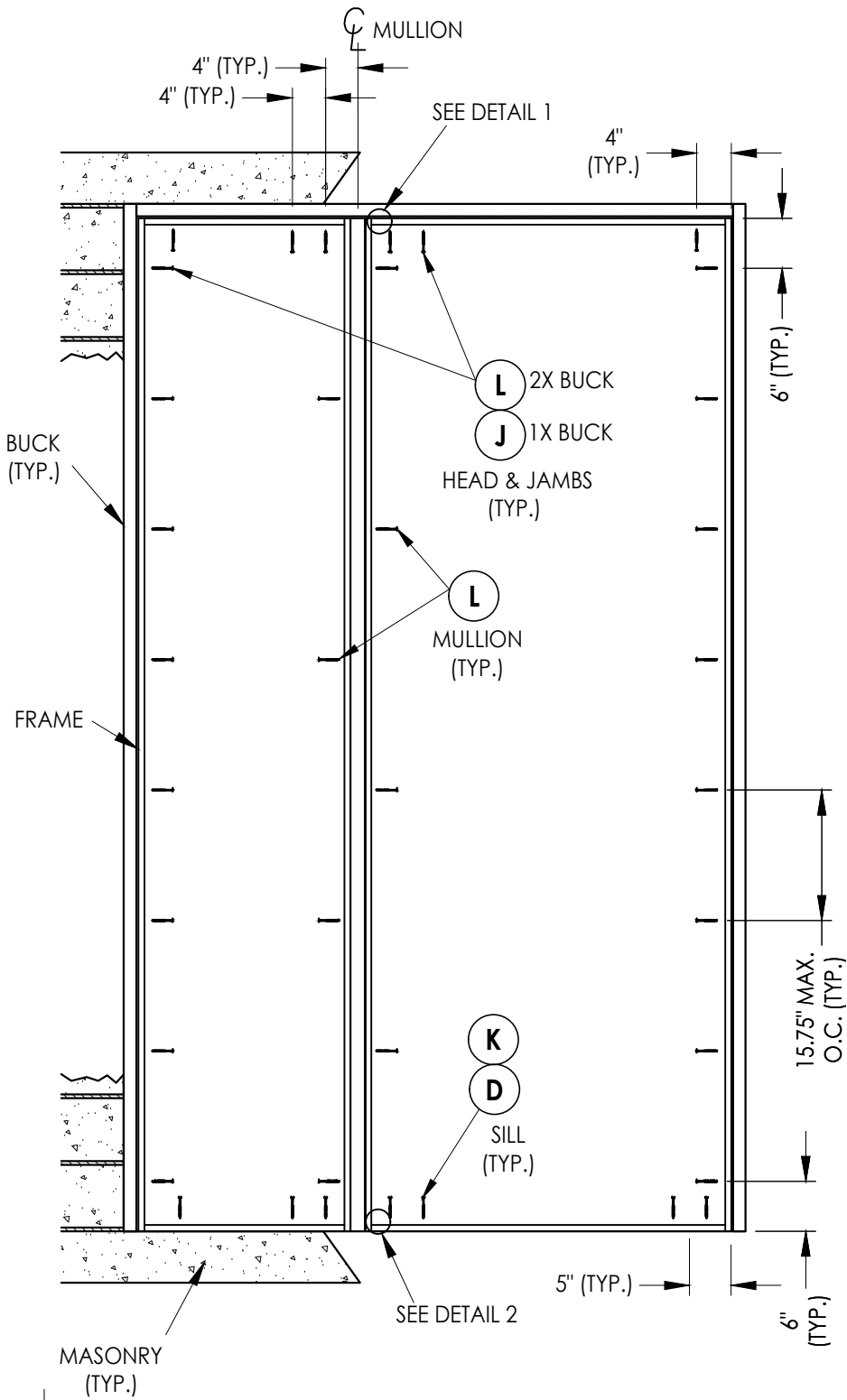
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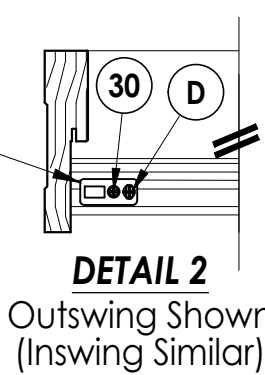
2X BUCK ANCHORING
OX Shown (XO - Similar)



DETAIL 1



FRAME ANCHORING
OX Shown (XO - Similar)



DETAIL 2

Outswing Shown
(Inswing Similar)

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

4	8/26/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
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: 03/27/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-21891.7

SHEET 11 OF 14

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

PRODUCT:
MILLWORK 360
WOOD DOOR

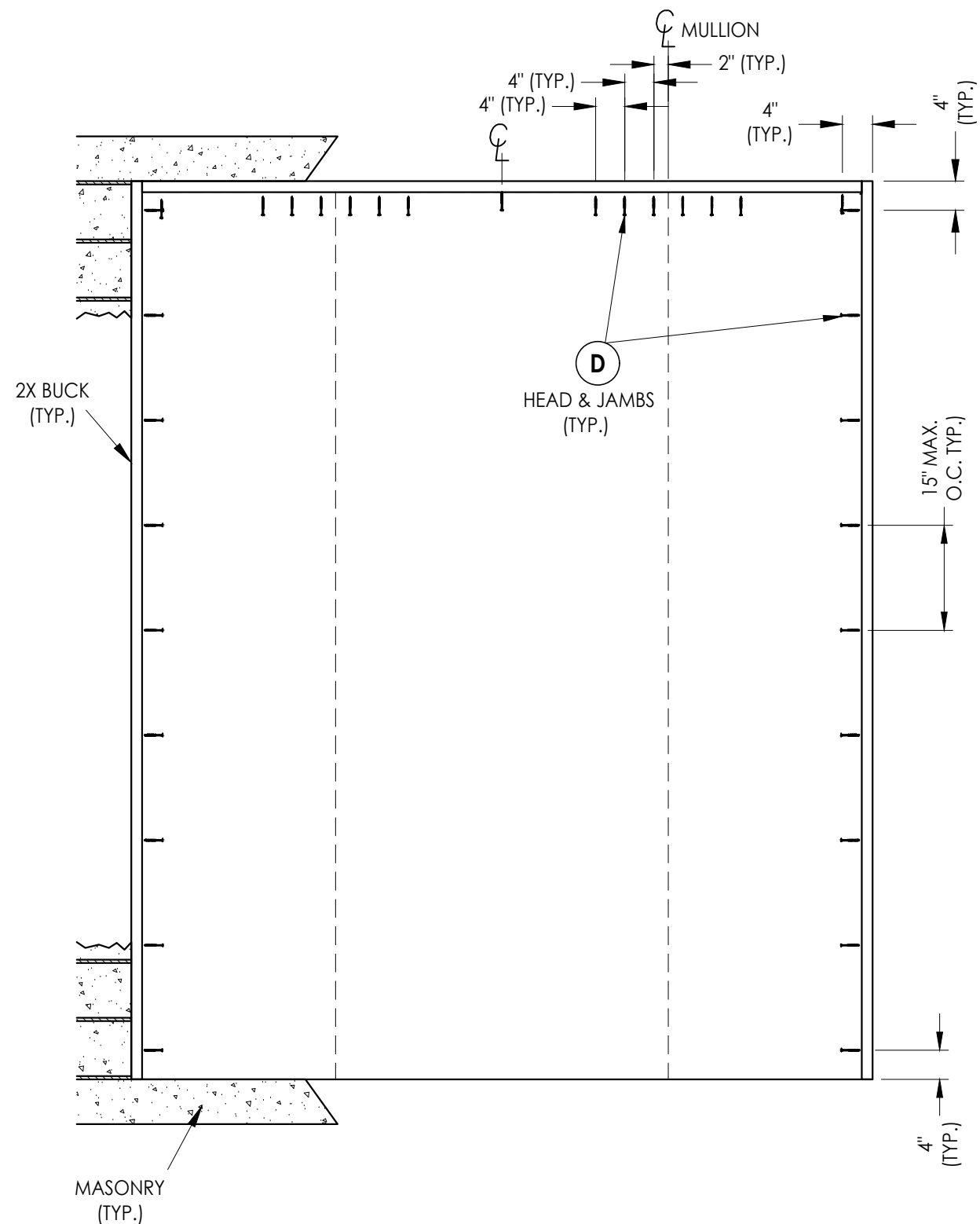
PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
(OX)

RW BUILDING CONSULTANTS, INC.

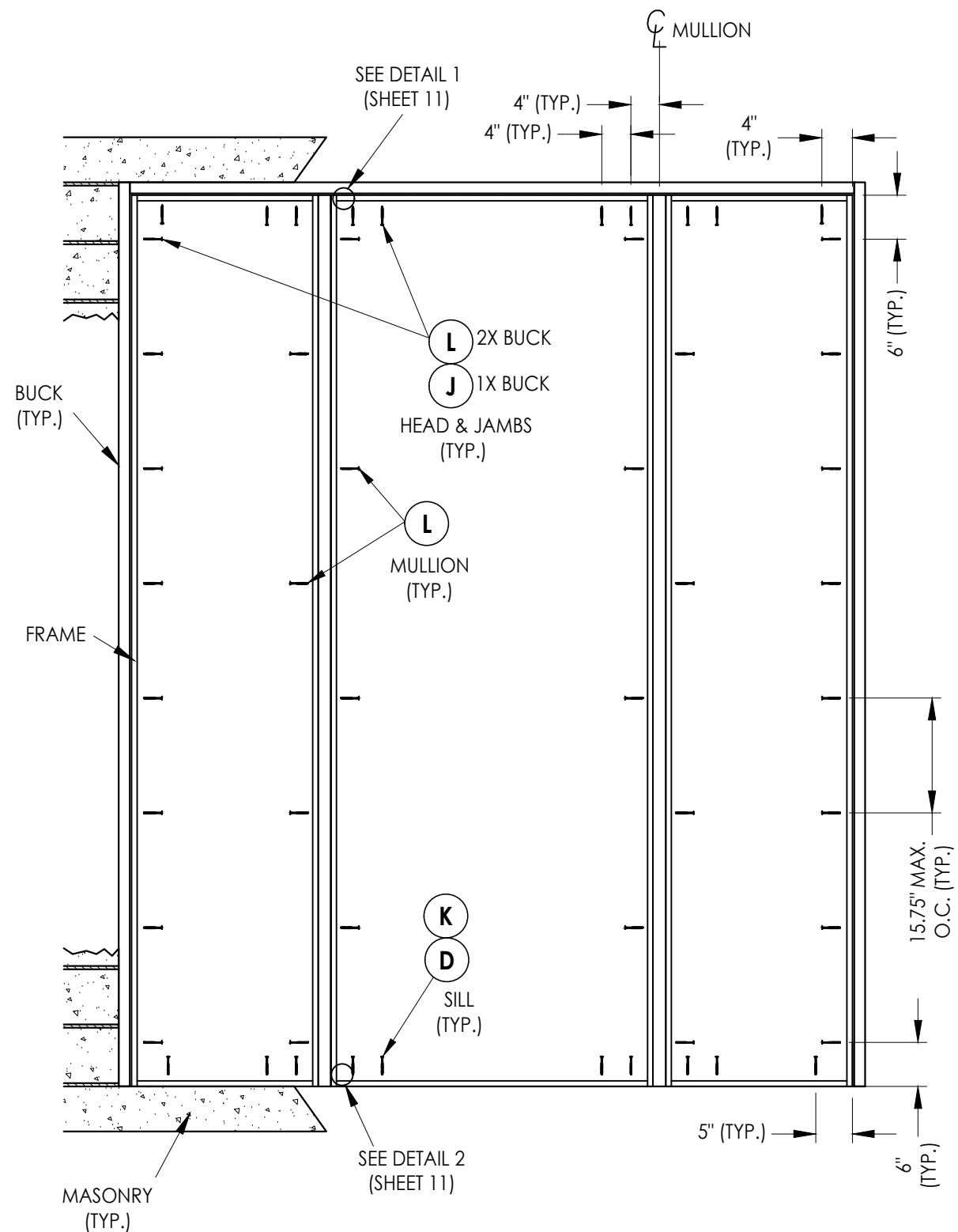
P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813



2X BUCK ANCHORING
OXO Shown



FRAME ANCHORING

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

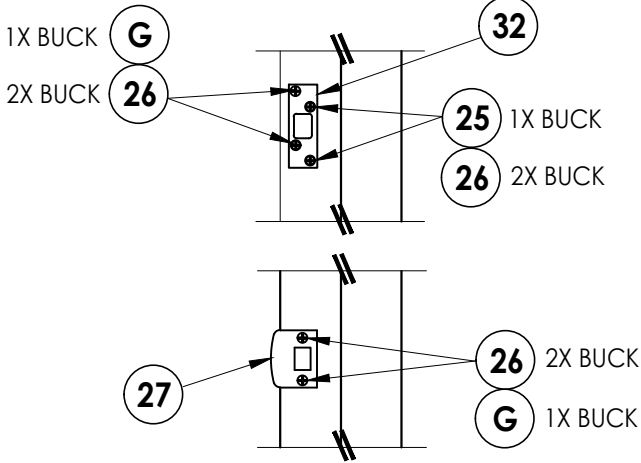
4	8/26/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
3	8/08/23	UPDATE TO 7TH ED.	(2023)	FBC	LFS
2	9/01/20	UPDATE TO 8TH ED.	(2020)	FBC	LFS
1	10/03/17	UPDATE TO 6th ED.	(2017)	FBC	JK
NO.	DATE				
					REVISIONS
DATE: 03/27/17					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-21891.7					
SHEET 12 OF 14					

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

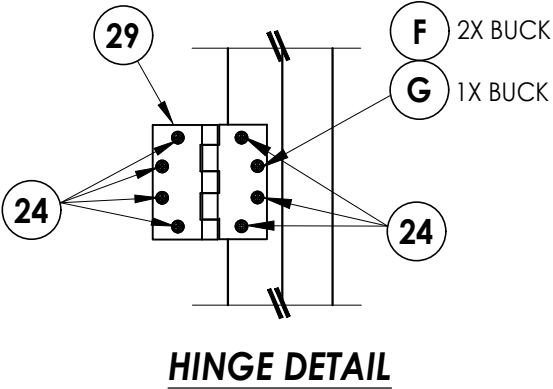
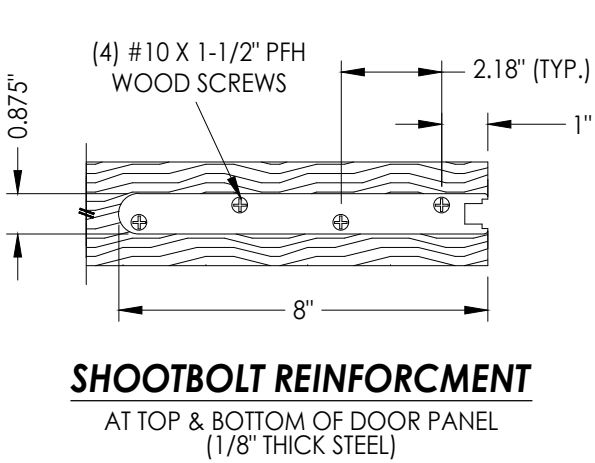
BUCK & FRAME ANCHORING (OXO)

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

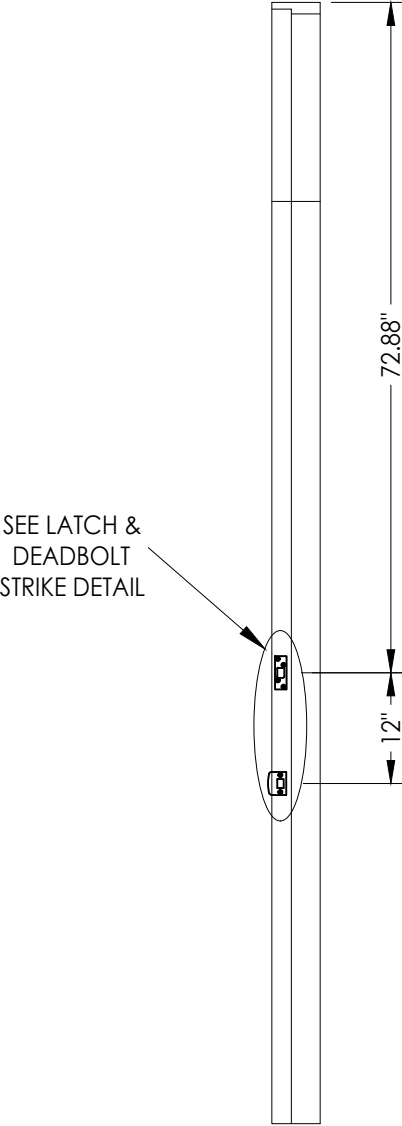
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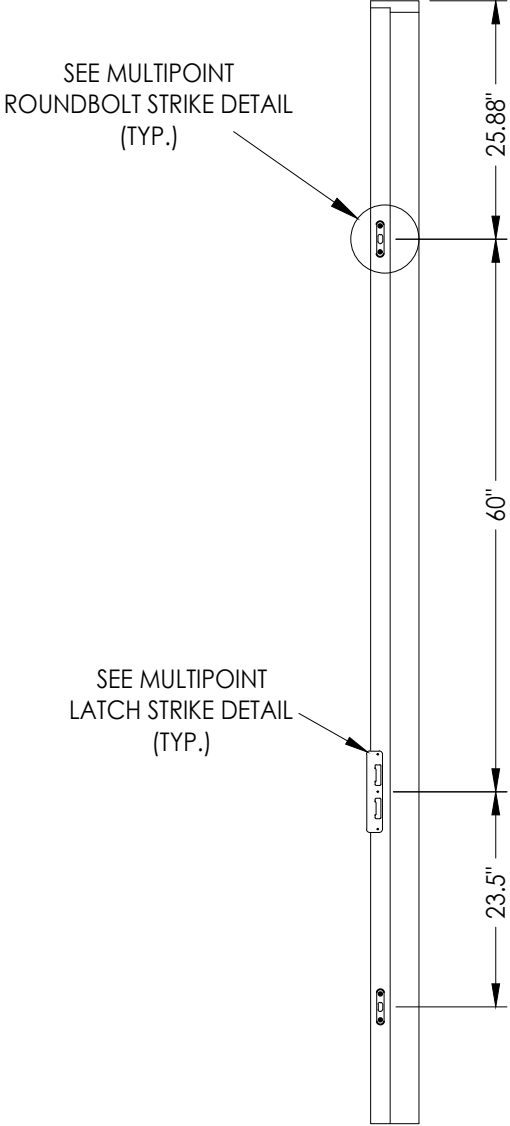
LATCH & DEADBOLT STRIKE DETAIL



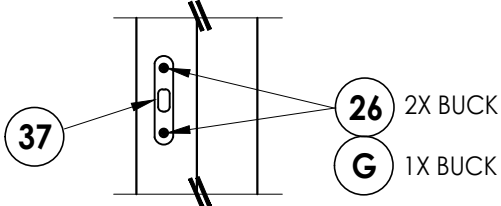
HINGE DETAIL



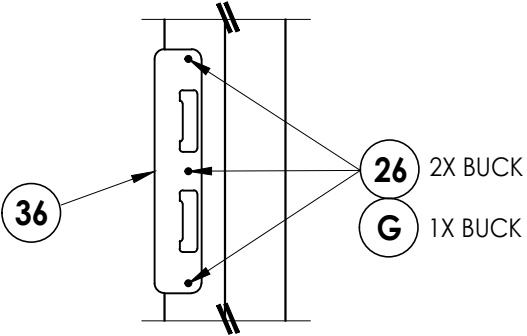
LATCH & DEADBOLT DETAILS



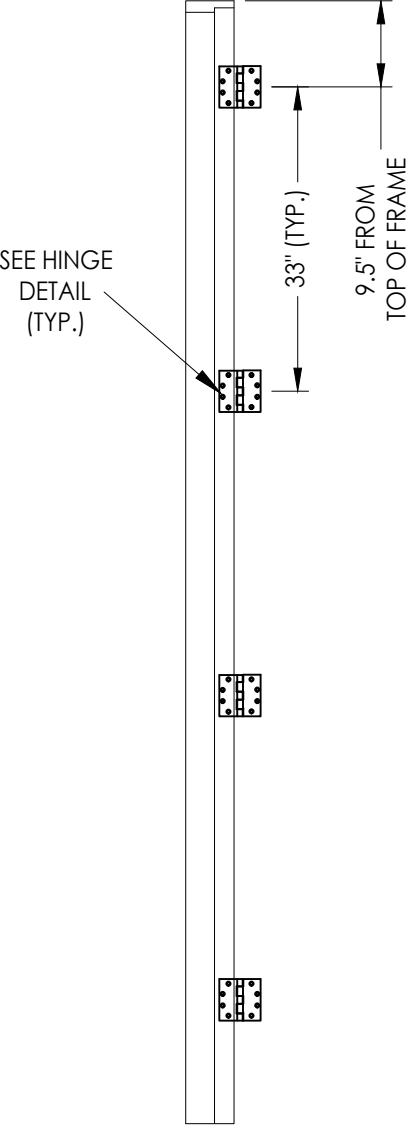
MULTIPOINT LOCK DETAILS



MULTIPOINT ROUND BOLT STRIKE DETAIL



MULTIPOINT STRIKE DETAIL

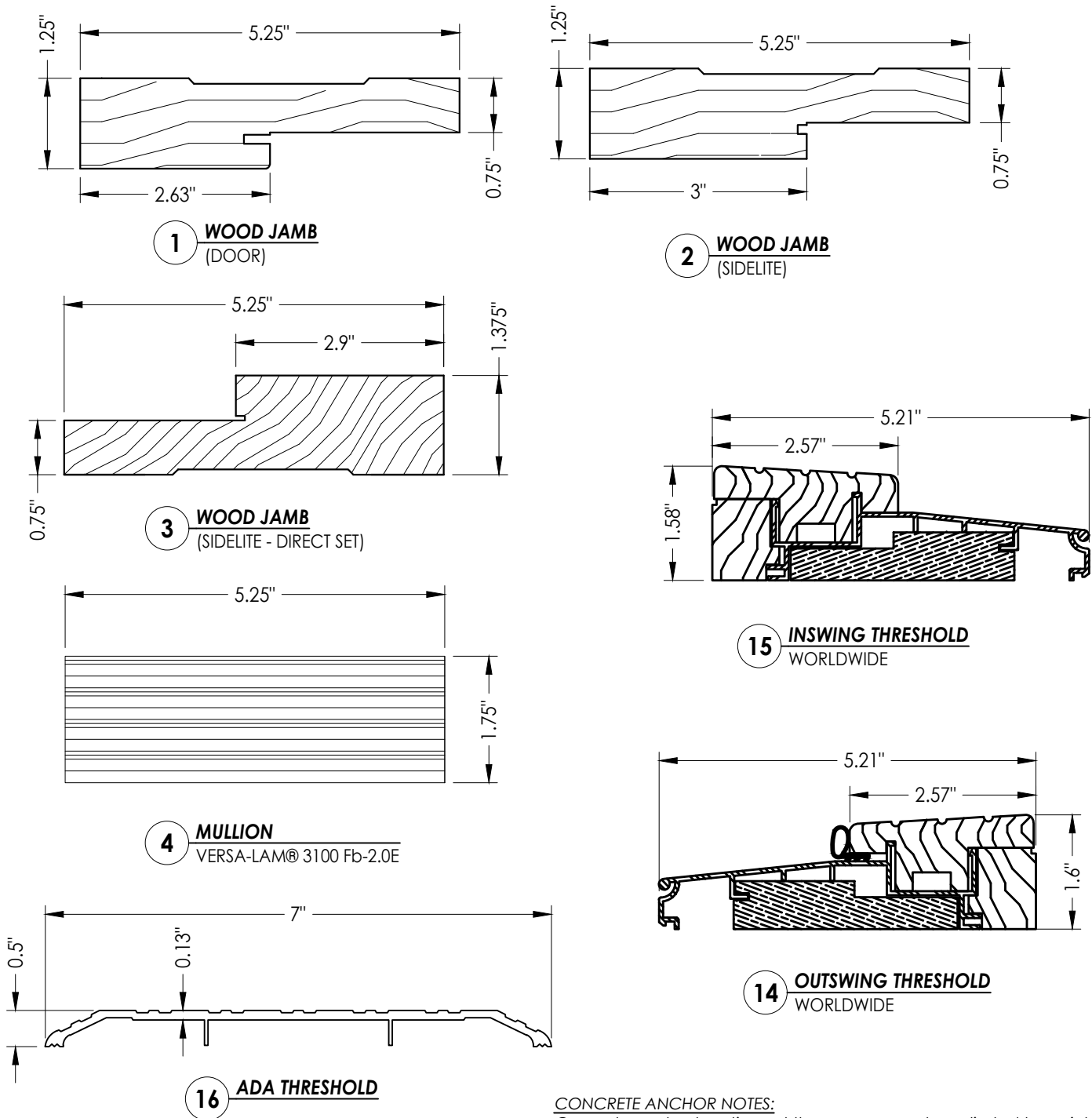


HINGE JAMB

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:		HARDWARE DETAILS	
4	8/26/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
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: 03/27/17							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-21891.7							
SHEET 13 OF 14							

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
K	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
1	JAMB (DOOR)	WOOD
2	JAMB (SIDELITE)	WOOD
3	JAMB (SIDELITE - DIRECT SET)	WOOD
4	MULLION	LVL
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
29	4.5" X 4.5" HINGE	STEEL
30	#8 x 3/4" FH SMS	STEEL
31	SHOOTBOLT STRIKE PLATE	STEEL
32	DEADBOLT SECURITY STRIKE PLATE	STEEL
36	MULTIPOINT STRIKE PLATE	STEEL
37	MULTIPOINT ROUND BOLT STRIKE DETAIL	STEEL
40	DOOR PANEL	WOOD
41	DOOR PANEL	WOOD
50	SIDELITE PANEL	WOOD
51	SIDELITE PANEL (DIRECT SET)	WOOD
70	TRANSOM PANEL	WOOD

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



- 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"
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.

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.

DATE: 03/27/17		REVISIONS		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409 <i>R^gW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-21891.7				
SHEET 14	OF 14			
PRODUCT: MILLWORK 360 WOOD DOOR PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS				