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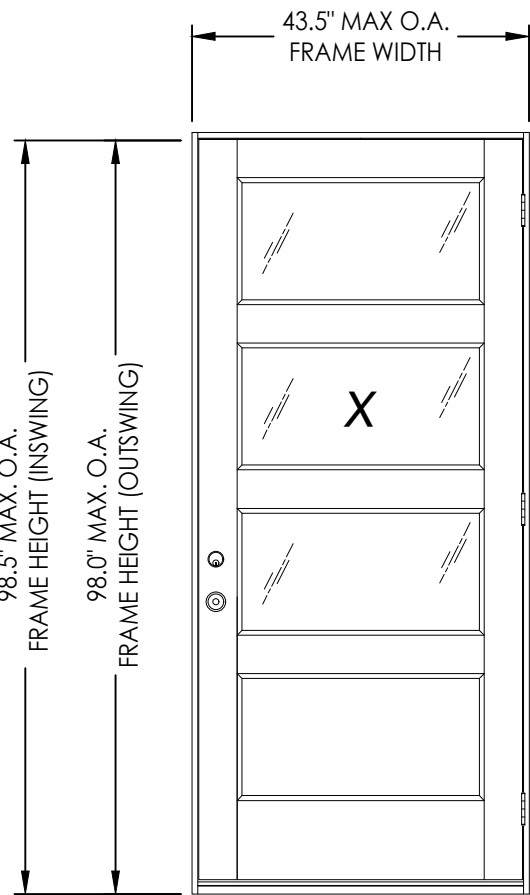


IMPACT 360 SERIES
WOOD GLAZED OR OPAQUE
SINGLE DOOR
INSWING/OUTSWING
"IMPACT"

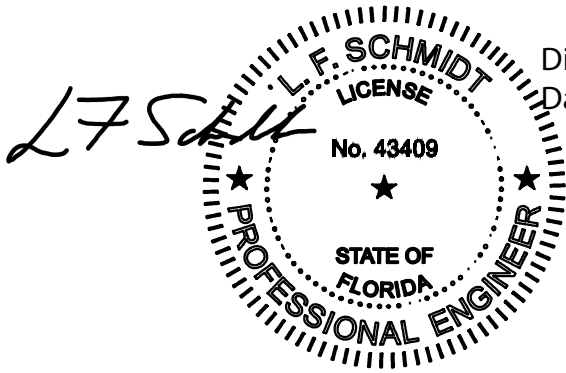
GENERAL NOTES:

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements 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. When used in areas outside the "HVHZ" 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
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations meet water infiltration requirements for "HVHZ".
8. 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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6	Buck & Frame Anchoring
7	Bill of Materials & Components



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	+55.0	-65.0	+55.0	-55.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.08 15:38:21 -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

PRODUCT: MILLWORK 360
WOOD DOOR

DATE: 2/14/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21891.12

SHEET 1 OF 7

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

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NO. 359

DATE: 8/08/23
BY: LFS
NO. 360

DATE: 8/08/23
BY: LFS
NO. 361

DATE: 8/08/23
BY: LFS
NO. 362

DATE: 8/08/23
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DATE: 8/08/23
BY: LFS
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DATE: 8/08/23
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NO. 365

DATE: 8/08/23
BY: LFS
NO. 366

DATE: 8/08/23
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NO. 367

DATE: 8/08/23
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NO. 368

DATE: 8/08/23
BY: LFS
NO. 369

DATE: 8/08/23
BY: LFS
NO. 370

DATE: 8/08/23
BY: LFS
NO. 371

DATE: 8/08/23
BY: LFS
NO. 372

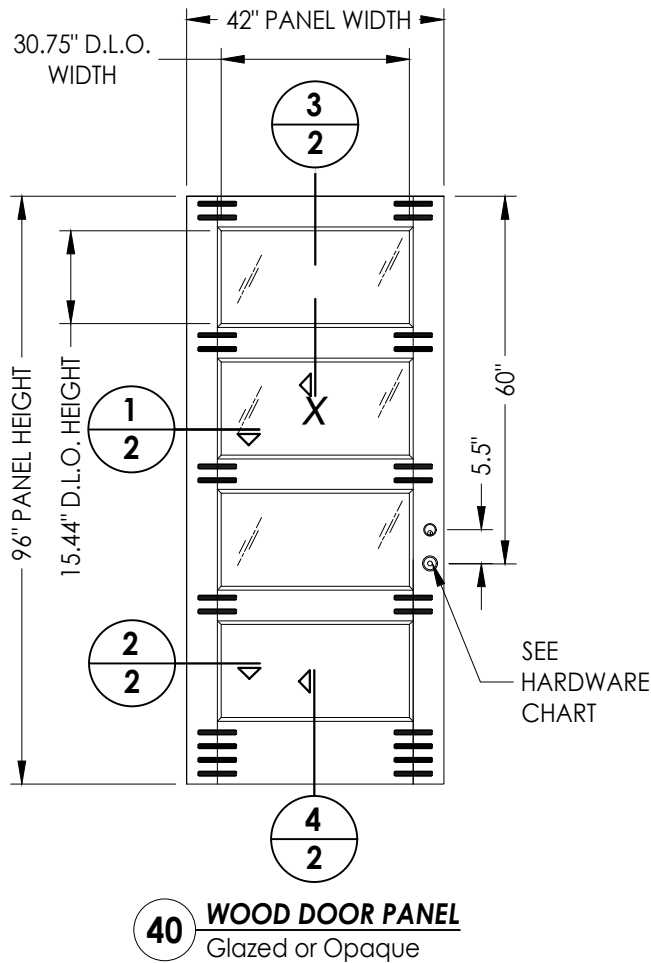
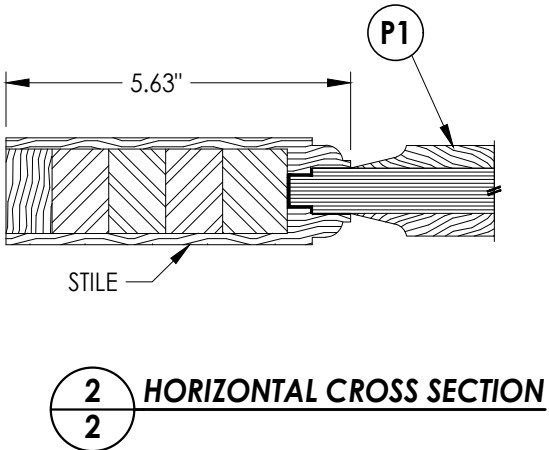
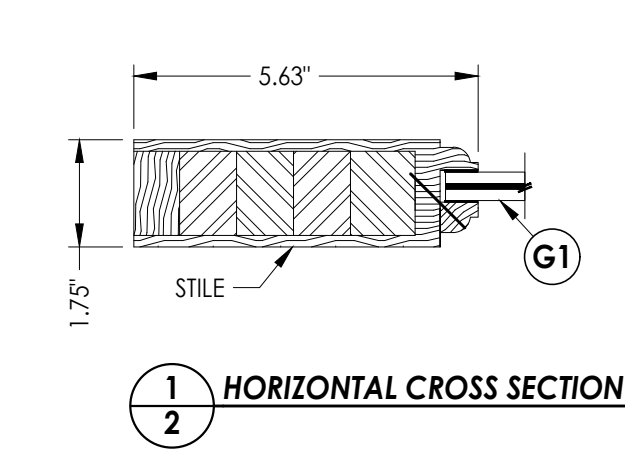
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BY: LFS
NO. 373

DATE: 8/08/23
BY: LFS
NO. 374

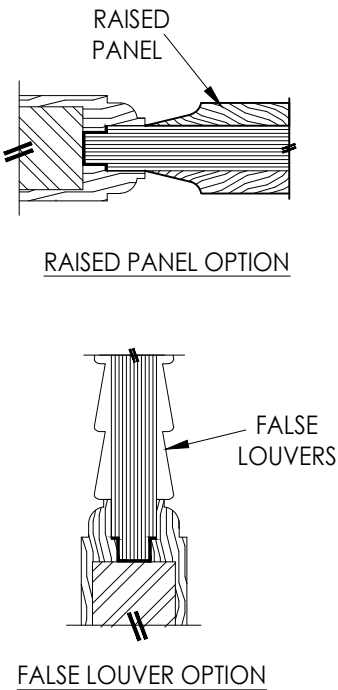
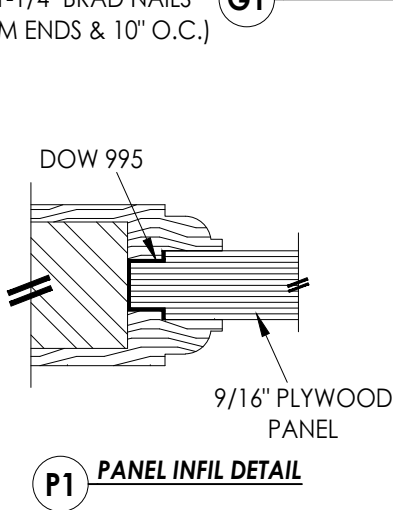
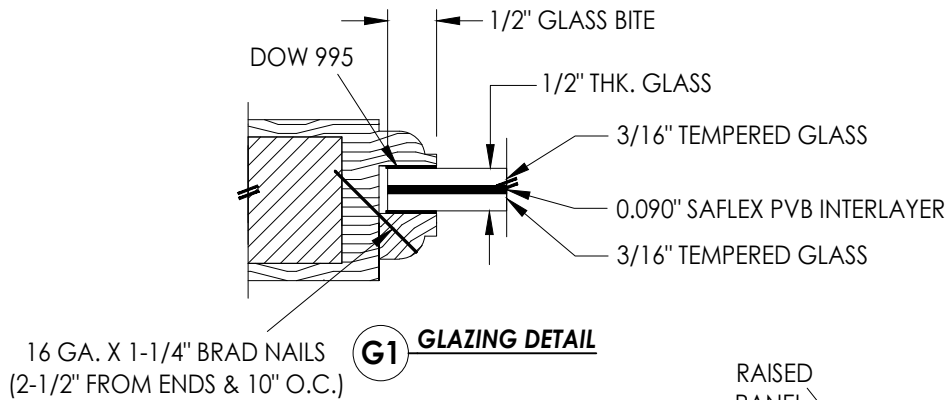
DATE: 8/08/23
BY: LFS
NO. 375

DATE: 8/08/23

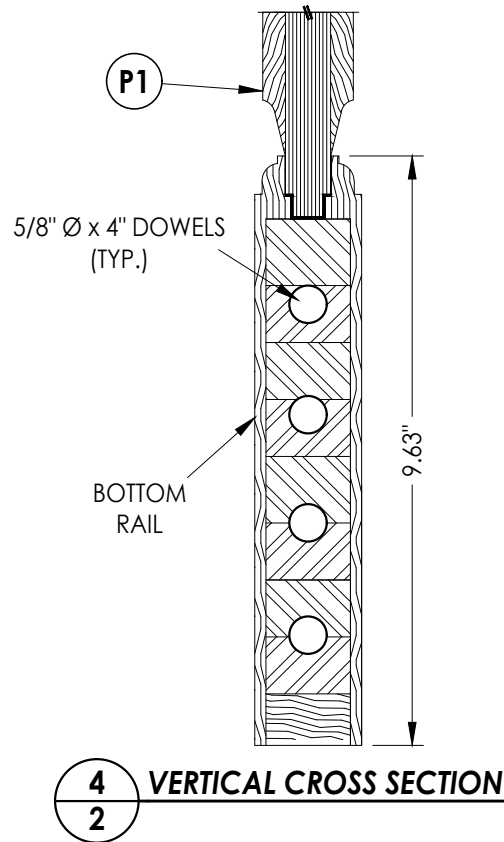
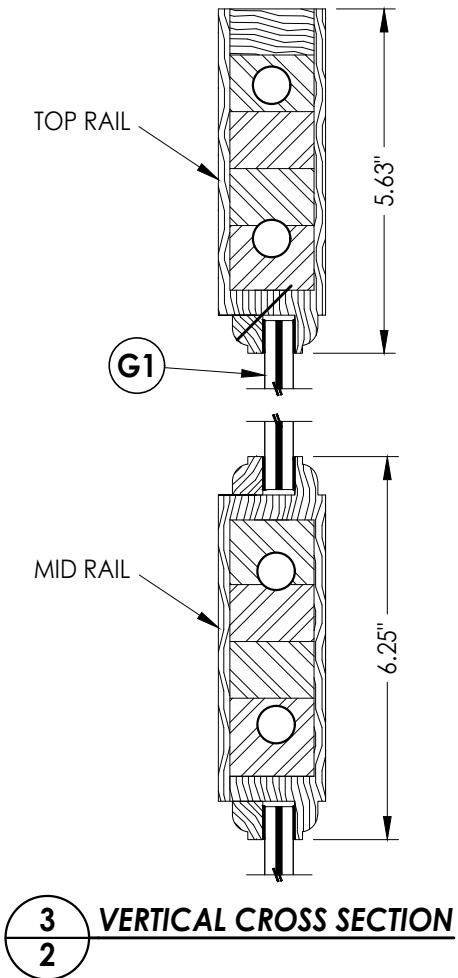
Z:\2023 FBC Drawings\Millwork 360\FL-21891 R5\FL-21891.12.dwg



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.



HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)



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

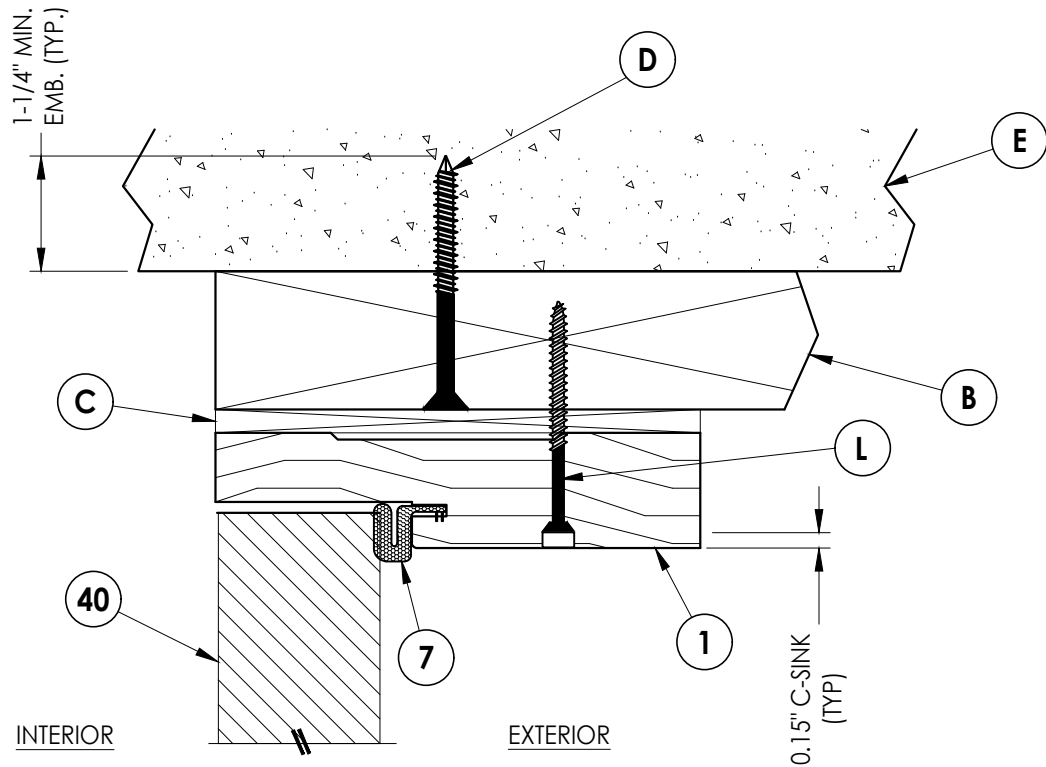
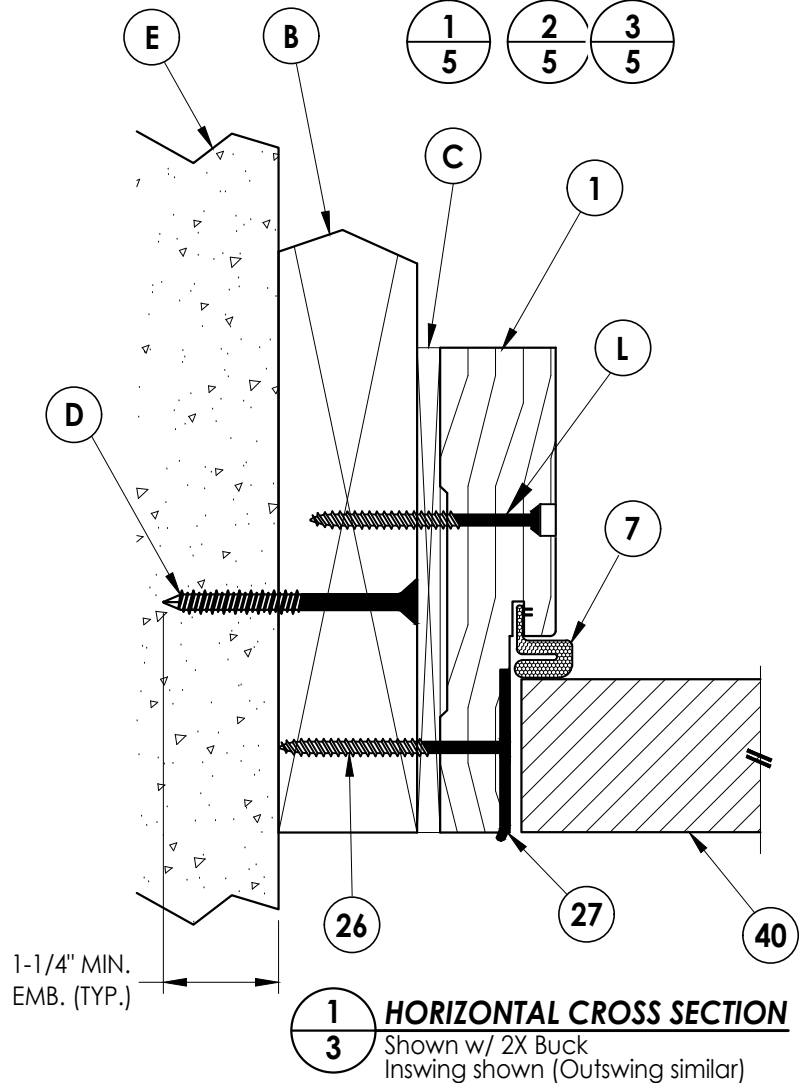
PRODUCT:
MILLWORK 360
WOOD DOOR

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

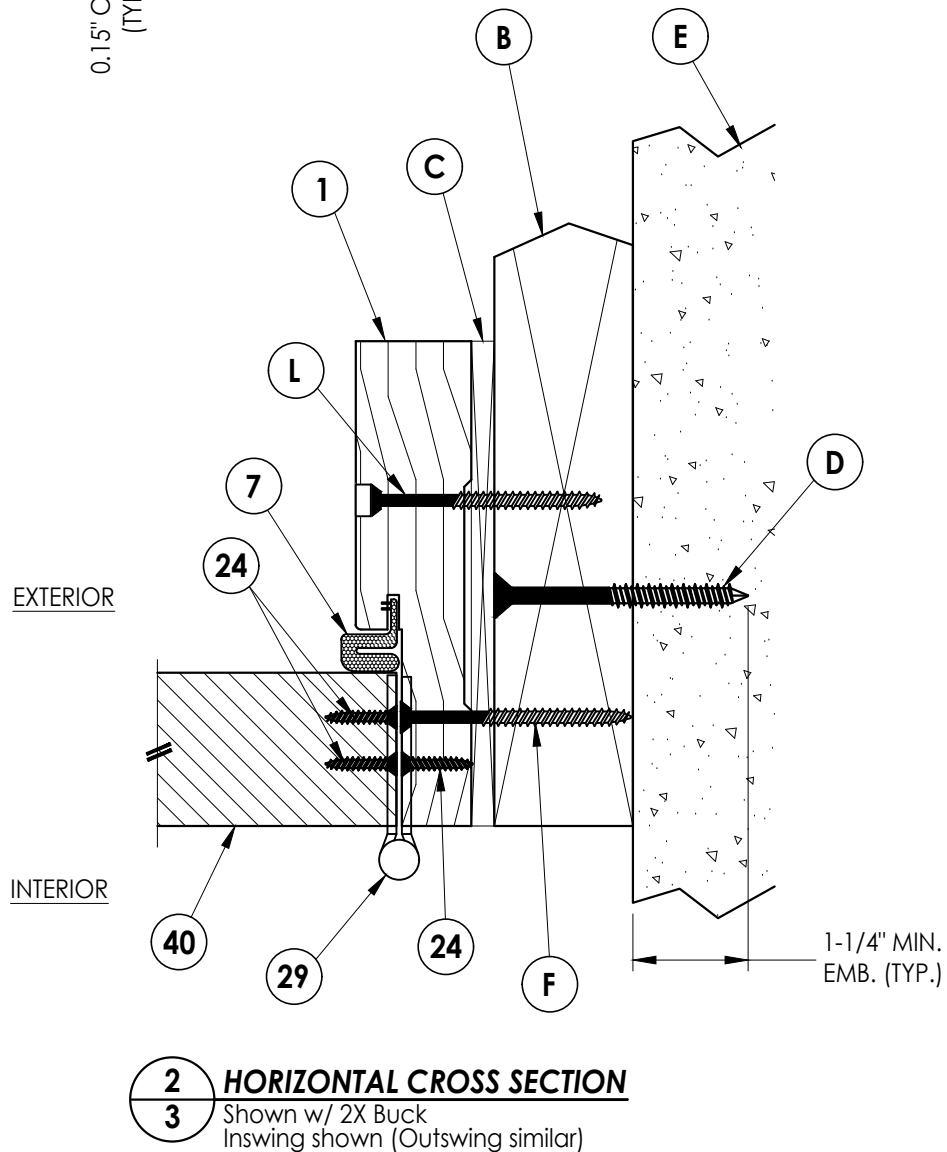
PART OR ASSEMBLY:

DOOR PANEL
DETAILS

DATE:	2/14/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21891.12
SHEET	2 OF 7



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

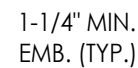


2 HORIZONTAL CROSS SECTION
3 Shown w/ 2X Buck
 Inswing shown (Outswing similar)

[illegible]

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

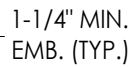
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



Shown w/ 1X sub-buck
Inswing shown (Outswing similar)

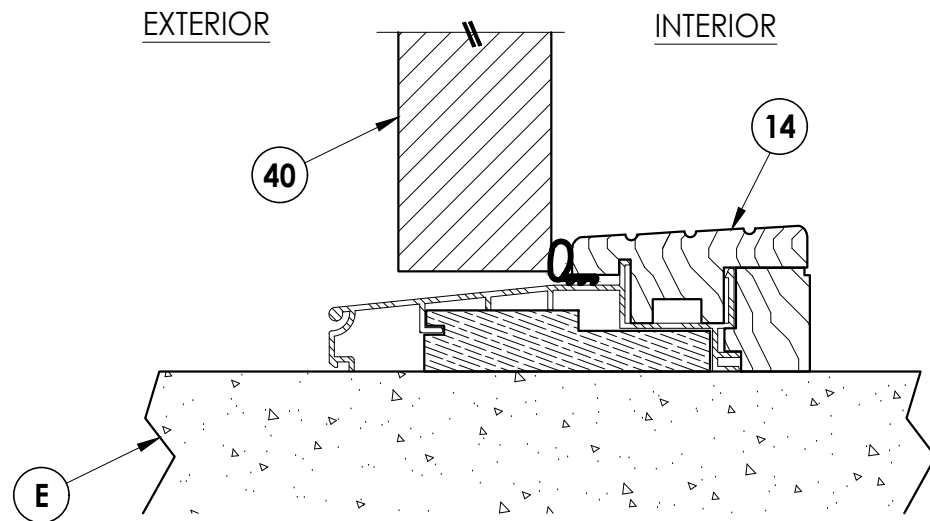


Shown w/ 1X sub-buck
Inswing shown (Outswing similar)

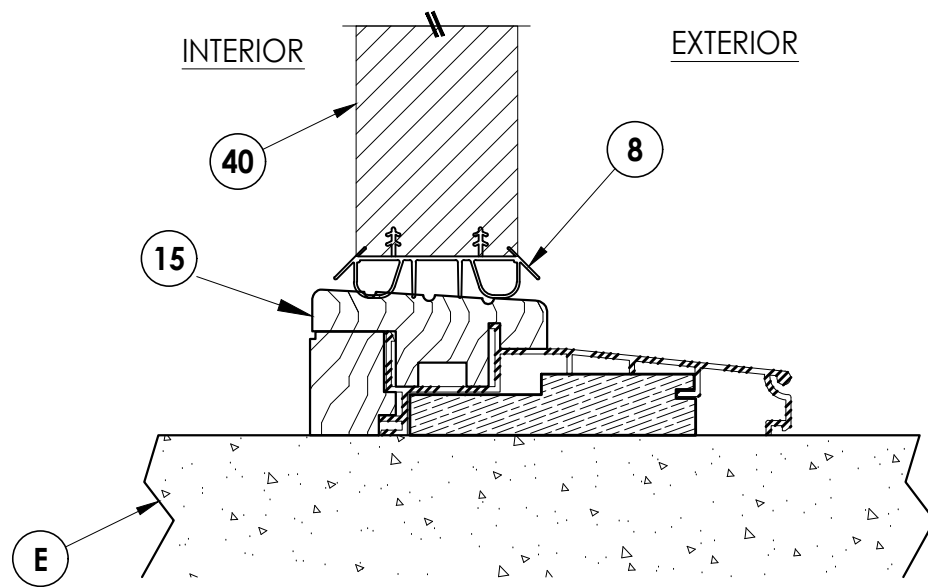


Shown w/ 1X sub-buck
Inswing shown (Outswing similar)

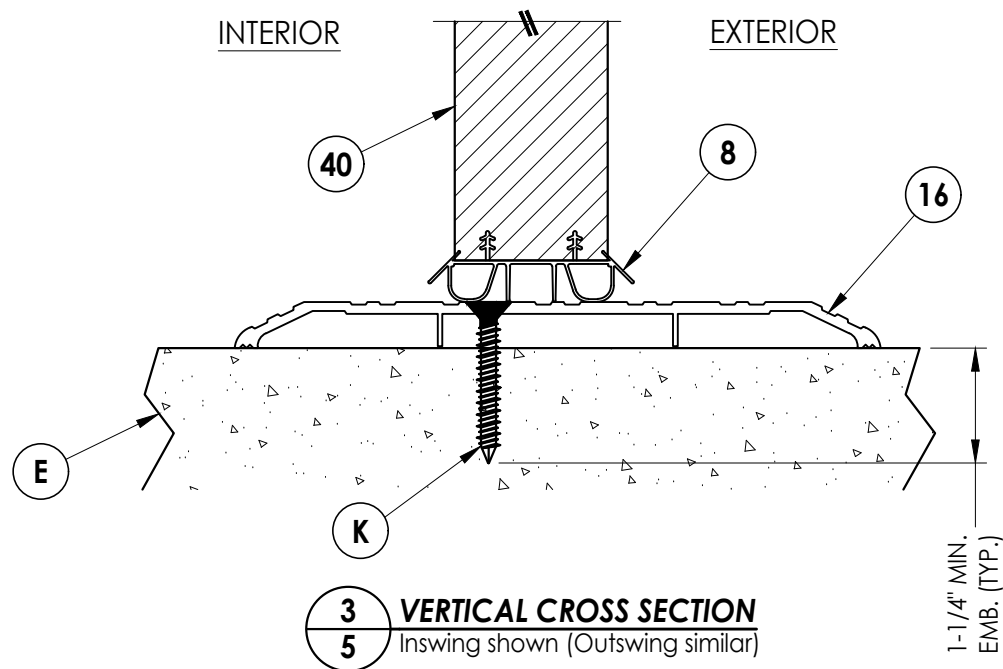
DATE:	2/14/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21891.12
SHEET	4 OF 7



1 **VERTICAL CROSS SECTION**
5 Outswing

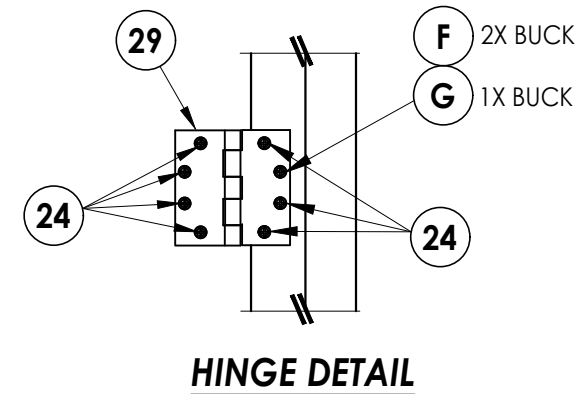
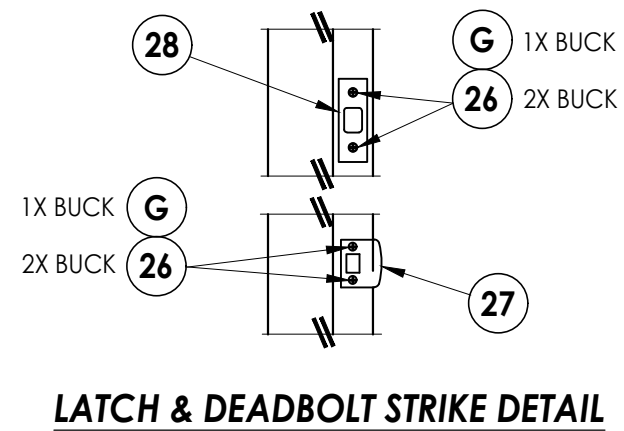
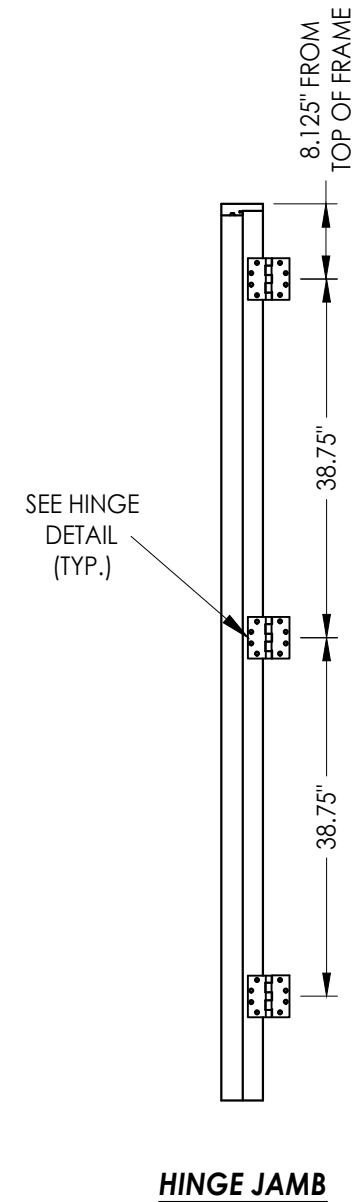
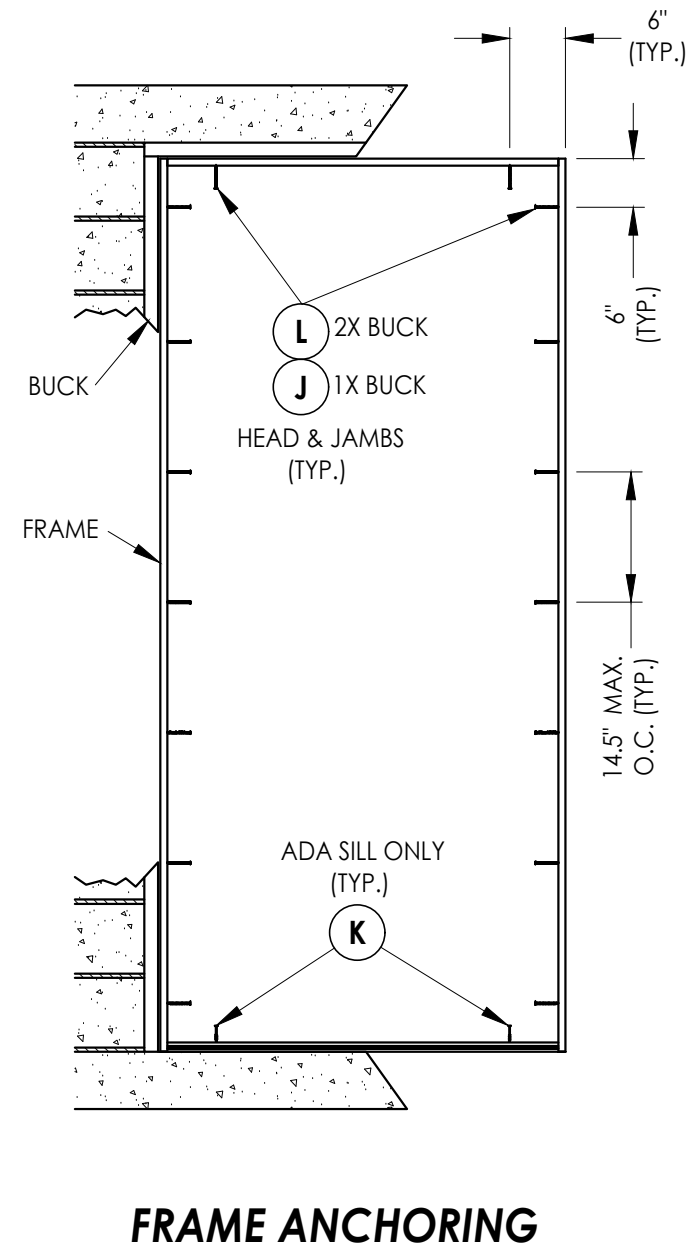
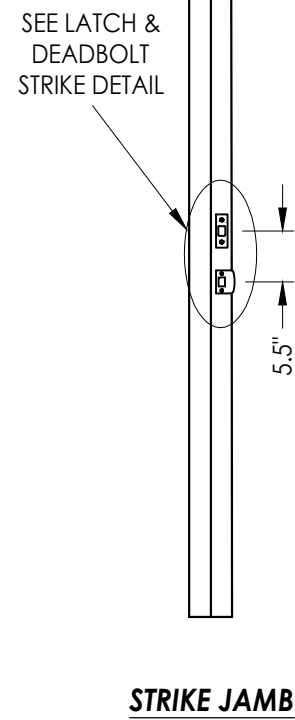
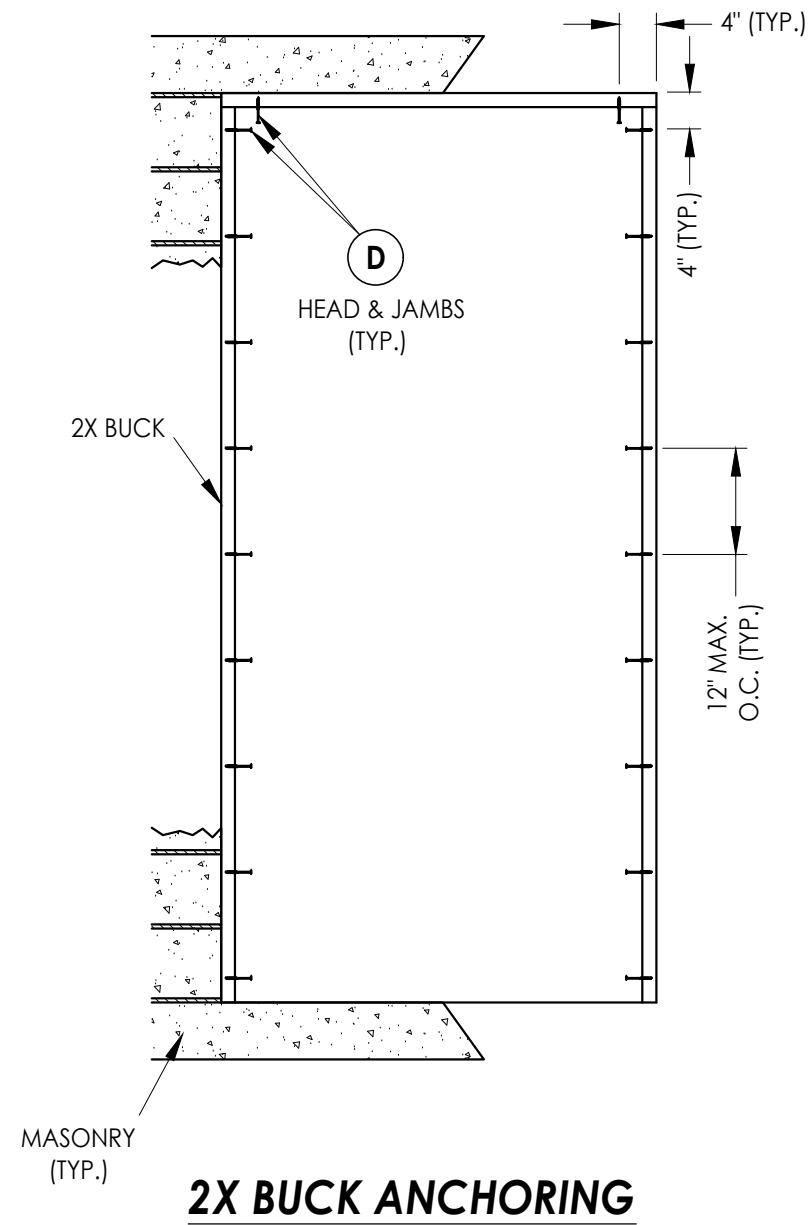


2 **VERTICAL CROSS SECTION**
5 Inswing



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

DATE: 2/14/18		PRODUCT: MILLWORK 360 WOOD DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: JK		2 8/08/23 UPDATE TO 8TH ED. (2023) FBC LFS			
CHK. BY: LFS		1 9/01/20 UPDATE TO 7TH ED. (2020) FBC LFS			
DRAWING NO.: FL-21891.12		NO. DATE BY			
SHEET 5 OF 7		REVISIONS			



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

[illegible]

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.55)	WOOD
B	2X BUCK (SG >= 0.55)	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	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
14	OUTSWING THRESHOLD	ALUM/COMP
15	INSWING THRESHOLD	ALUM/COMP
16	ADA THRESHOLD	ALUM
24	#12 X 1" 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
40	DOOR PANEL	-

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

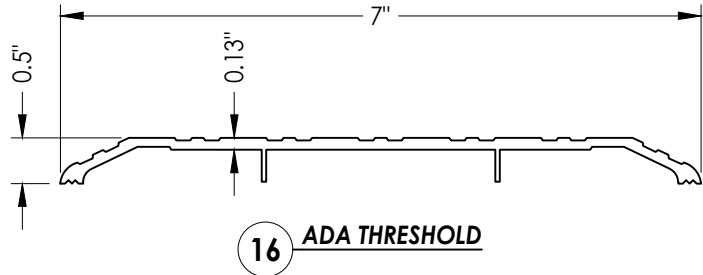
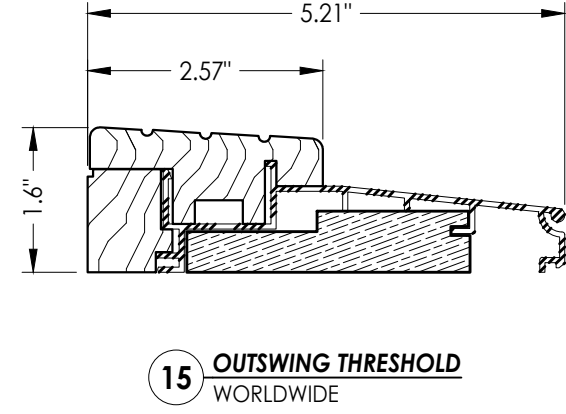
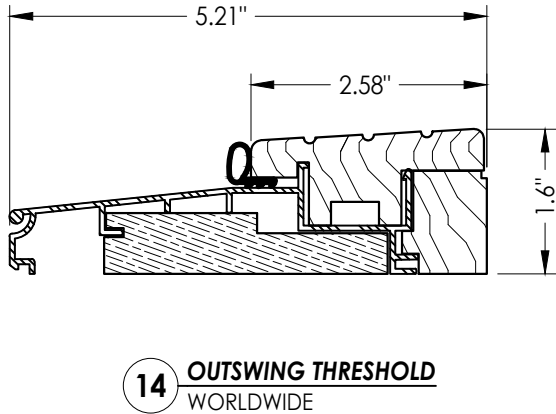
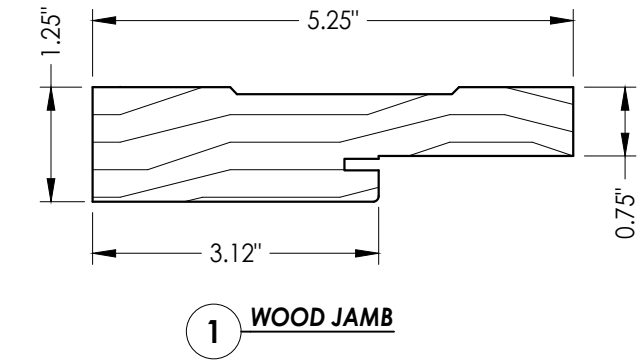
CONCRETE ANCHOR NOTES:

- 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 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.



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: BILL OF MATERIALS & COMPONENTS	
		LFS	BY
		LFS	
		DATE	REVISIONS
		2 8/08/23	UPDATE TO 8TH ED. (2023) FBC
		1 9/01/20	UPDATE TO 7TH ED. (2020) FBC
DATE: 2/14/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21891.12			
SHEET 7 OF 7			