

Z:\2023 FBC Drawings\International Wood Trade\FL-20800 R3\FL-20800.4-7.dwg

INTERNATIONAL WOOD TRADE

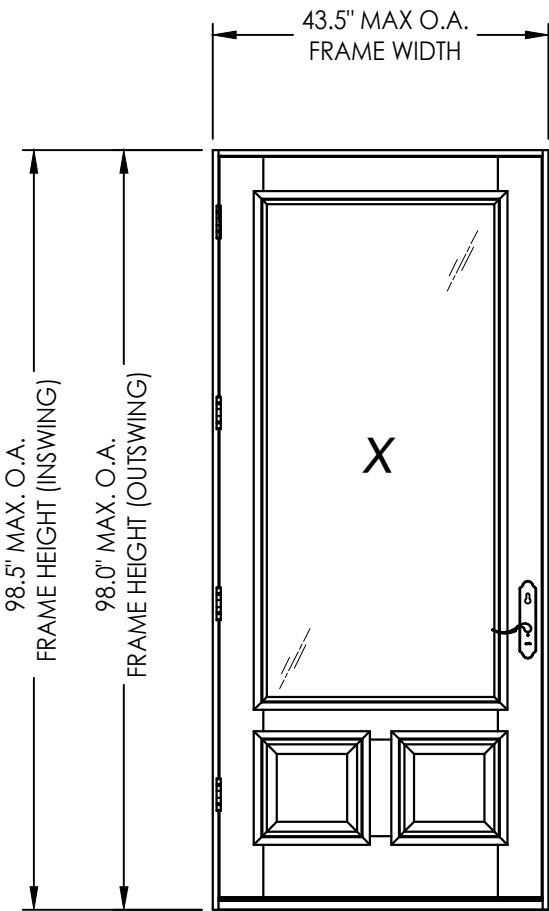
WOOD GLAZED OR OPAQUE SINGLE DOOR

INSWING/OUTSWING "NON-IMPACT"

GENERAL NOTES

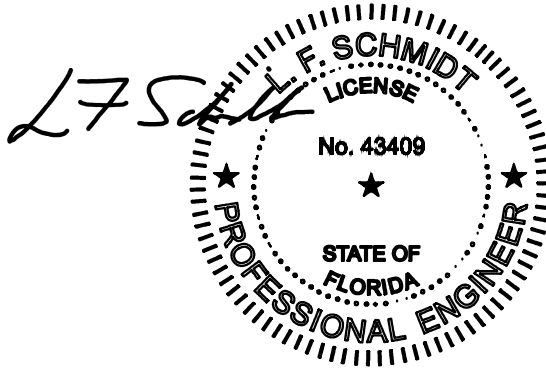
1.
- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2.
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.
- When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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
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3	Elevations
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5	Horizontal & Vertical Cross Sections (1X Buck)
6	Horizontal & Vertical Cross Sections (Direct to Masonry)
7	Vertical Cross Sections (Thresholds)
8	Buck & Frame Anchoring
9	Hardware Details
10	Bill of Materials & Components



CONFIGURATION	LOCK HARDWARE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	Multipoint*	+75.0	-80.0	+75.0	-75.0

*See Sheet 3 for Hardware Specifications



Digitally signed by
Lyndon F Schmidt
Date: 2023.09.26
16:29:47 -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:
INTERNATIONAL WOOD TRADE
WOOD DOOR

DATE: 8/17/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20800.4

SHEET 1 OF 10

Part or Assembly:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS

3 9/26/23 UPDATE TO 8TH ED. (2023) FBC LFS

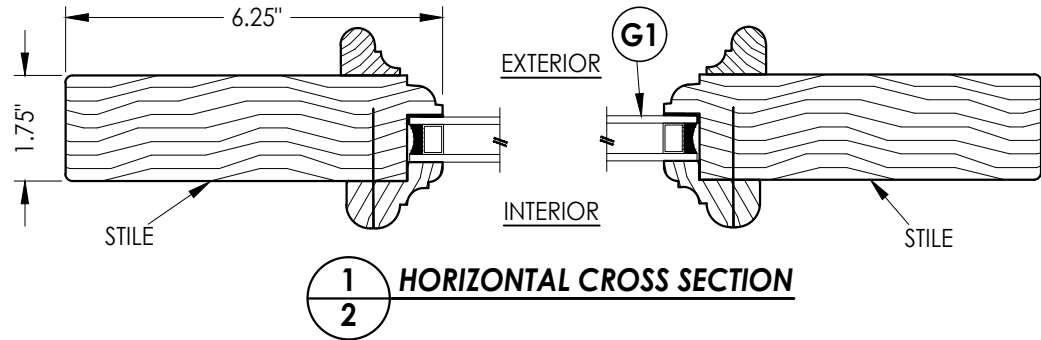
2 9/16/20 UPDATE TO 7TH ED. (2020) FBC LFS

1 5/23/18 UPDATE TO 6TH ED. (2017) FBC JK

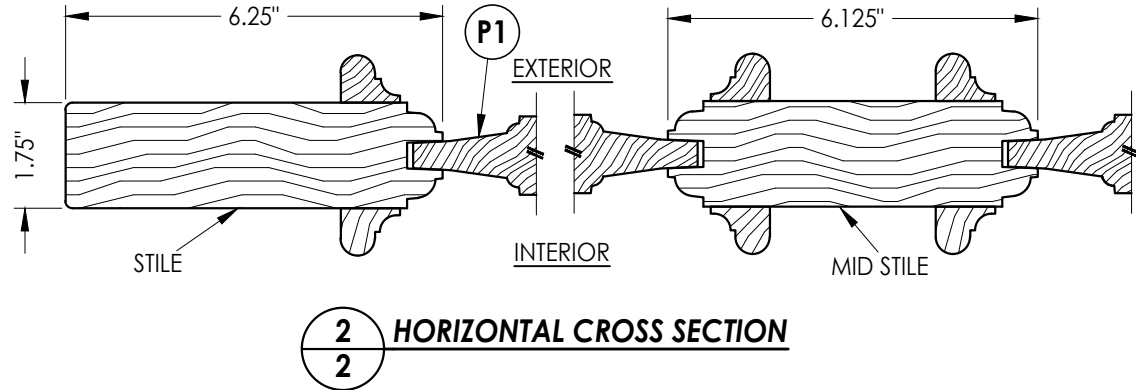
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

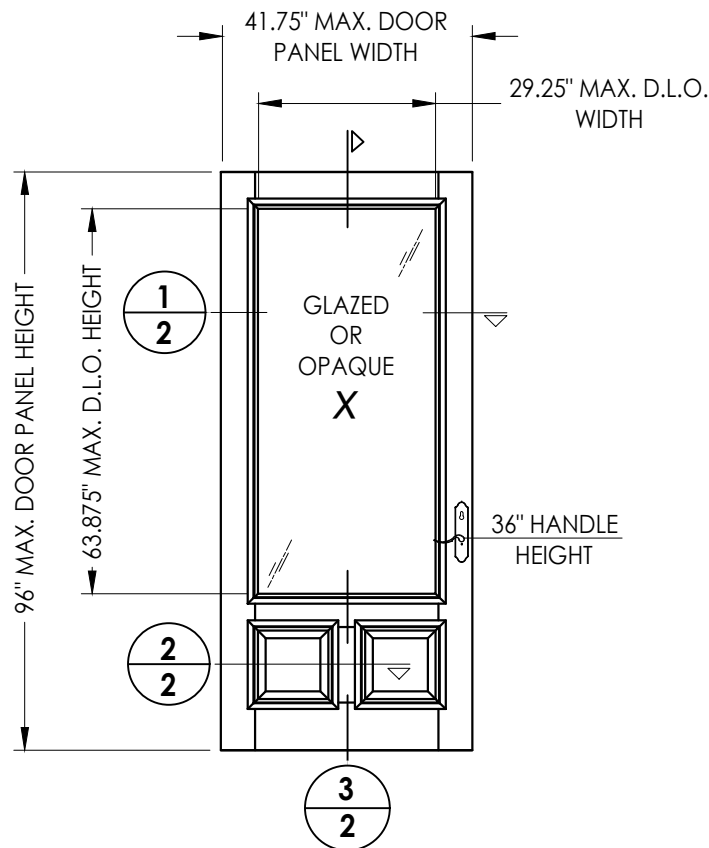
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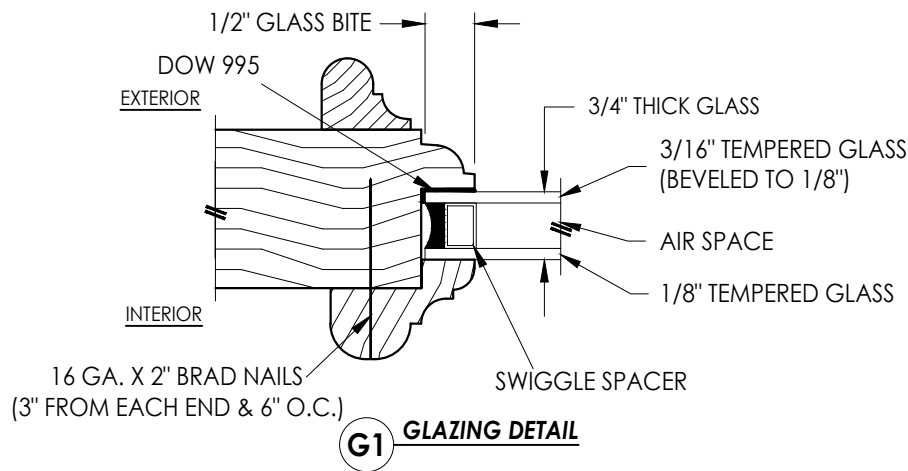
1
2 HORIZONTAL CROSS SECTION



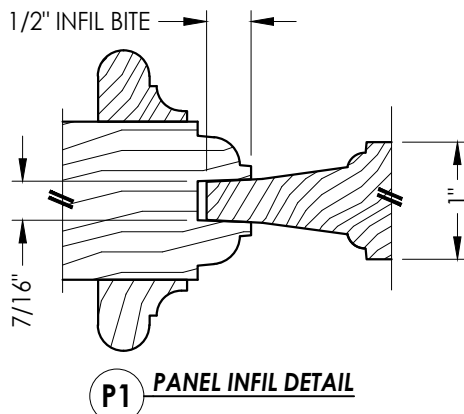
2
2 HORIZONTAL CROSS SECTION



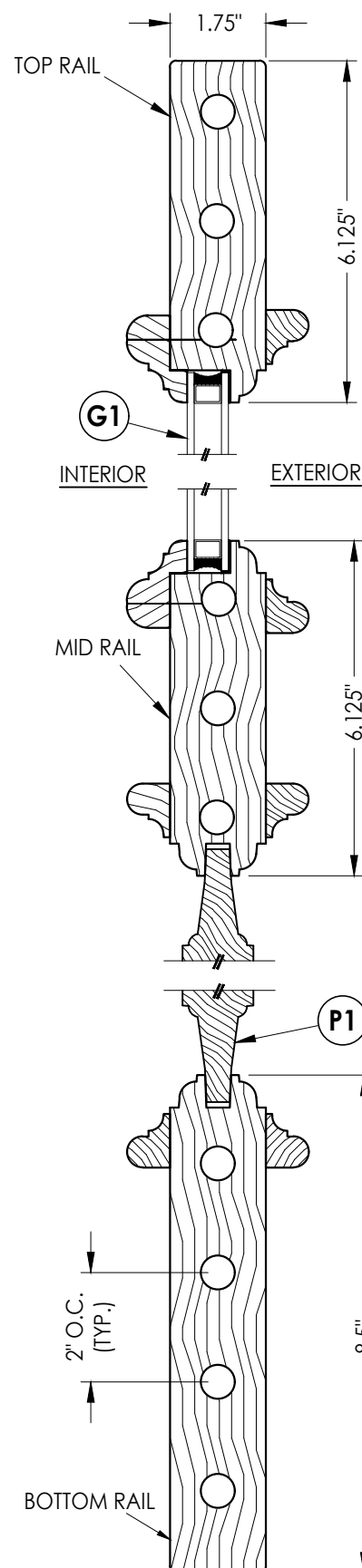
40 WOOD DOOR PANEL
Glazed or Opaque



G1 GLAZING DETAIL



P1 PANEL INFIL DETAIL



3
2 VERTICAL CROSS SECTION

ALL WOOD DOOR COMPONENTS: SAPELE (G => 0.55)

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PRODUCT:
INTERNATIONAL WOOD TRADE
WOOD DOOR

PART OR ASSEMBLY:
DOOR PANEL
DETAILS

NO.	DATE	REVISIONS
3	9/26/23	UPDATE TO 8TH ED. (2023) FBC
2	9/16/20	UPDATE TO 7TH ED. (2020) FBC
1	5/23/18	UPDATE TO 6TH ED. (2017) FBC

DATE: 8/10/16

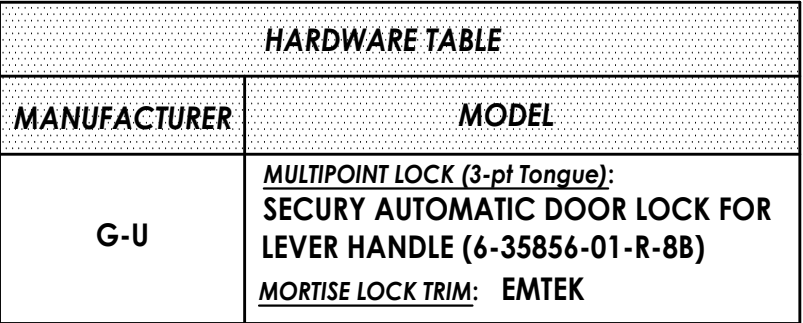
SCALE: N.T.S.

DWG. BY: JK

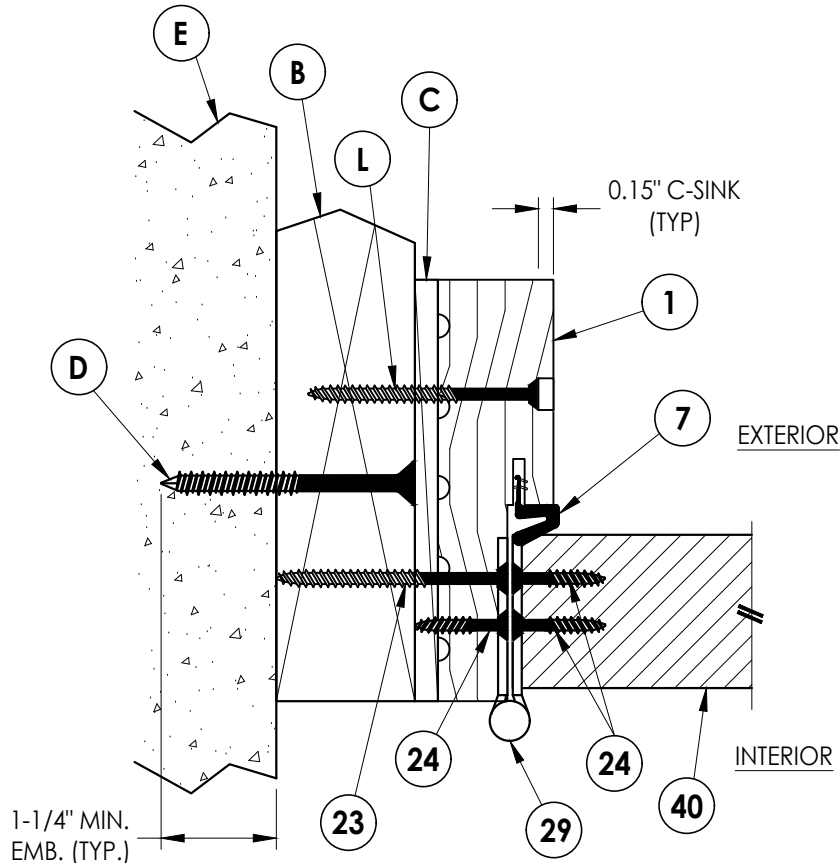
CHK. BY: LFS

DRAWING NO.: FL-20800.4

SHEET 2 OF 10

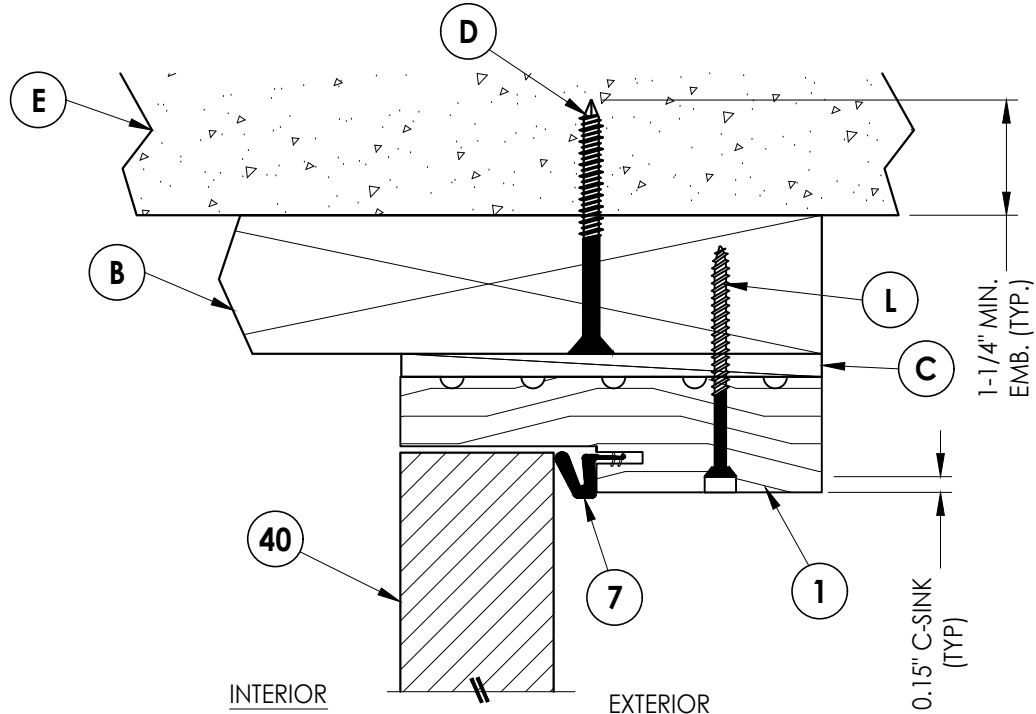


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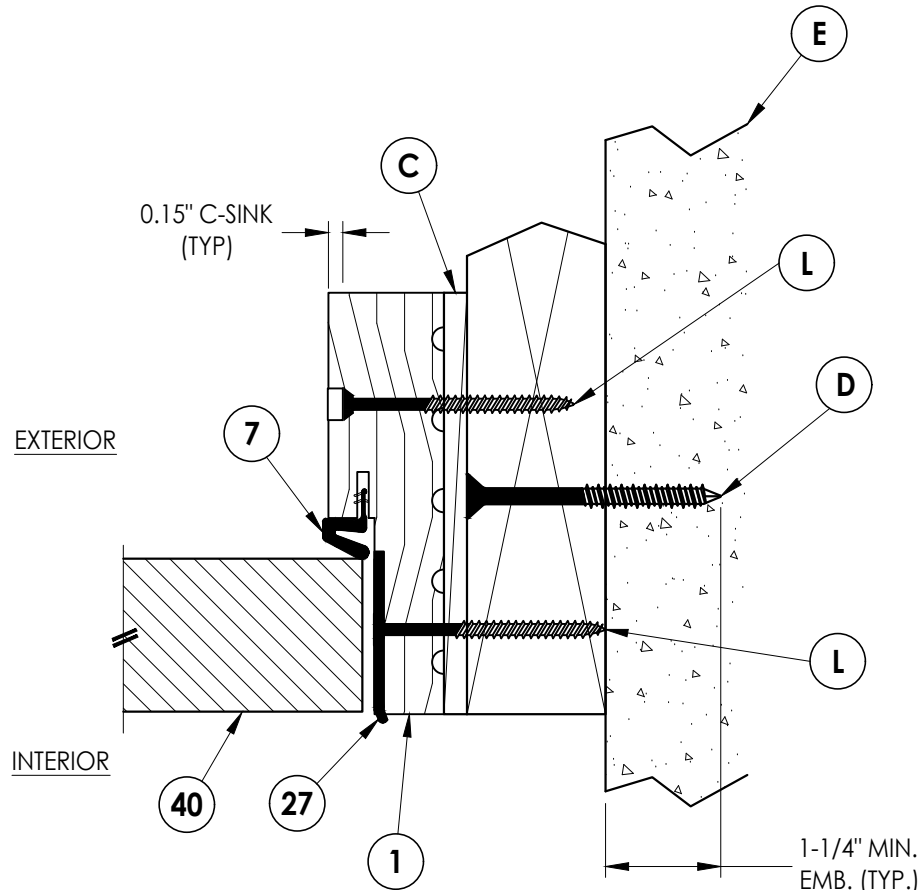
1 4 **HORIZONTAL CROSS SECTION**

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



3 VERTICAL CROSS SECTION

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

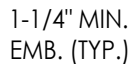


2 **HORIZONTAL CROSS SECTION**
4 Shown w/ 2X Buck
 Inswing shown (Outswing similar)

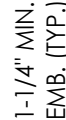
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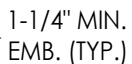
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1 **HORIZONTAL CROSS SECTION**
5 Shown w/ 1X sub-buck
 Inswing shown (Outswing similar)



3 VERTICAL CROSS SECTION
5 Shown w/ 1X sub-buck
 Inswing shown (Outswing similar)



2 **HORIZONTAL CROSS SECTION**
5 Shown w/ 1X sub-buck
 Inswing shown (Outswing similar)

							LFS
3	9/26/23	UPDATE TO 8TH ED.	(2023)	FBC			LFS
2	9/16/20	UPDATE TO 7TH ED.	(2020)	FBC			LFS
1	5/23/18	UPDATE TO 6TH ED.	(2017)	FBC			JK
NO	DATE						BY
							REVISIONS

DATE: 8/17/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: *LFS*

DRAWING NO.:

FL-20800.4

SHEET 5 OF 10

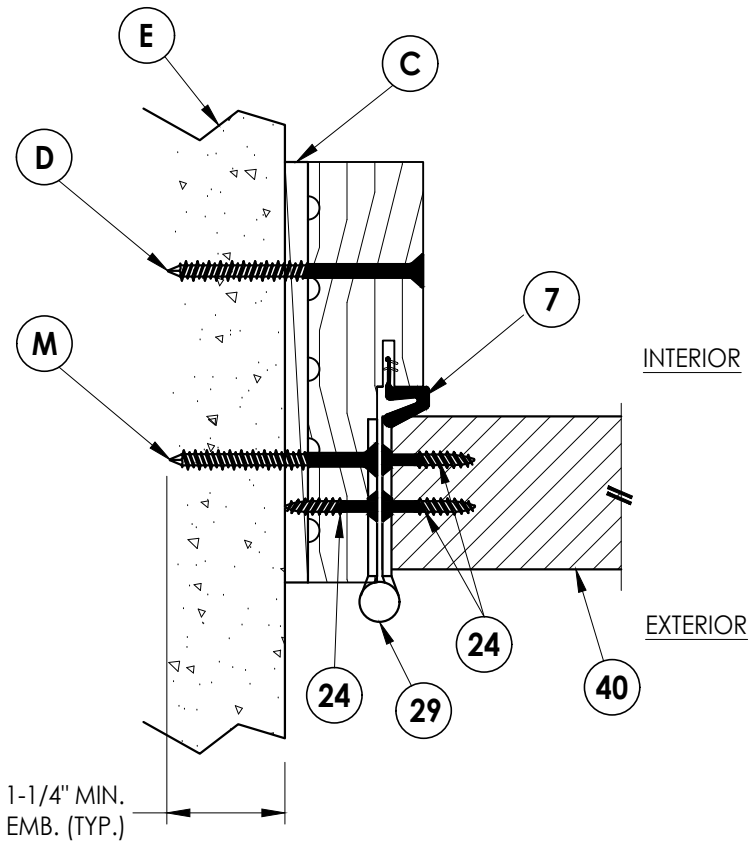
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PRODUCT:
INTERNATIONAL WOOD TRADE
WOOD DOOR

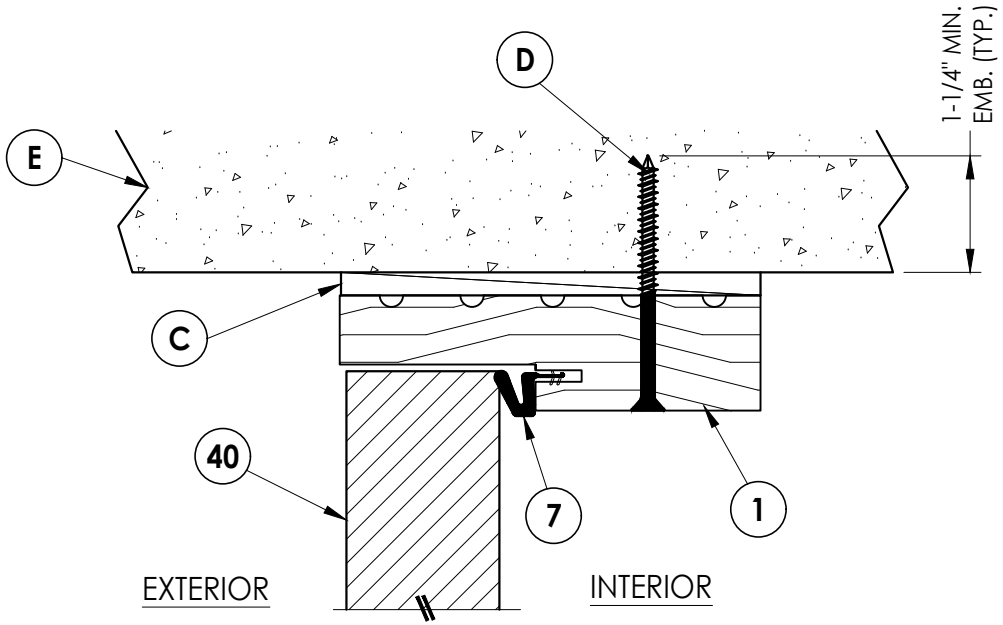
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)

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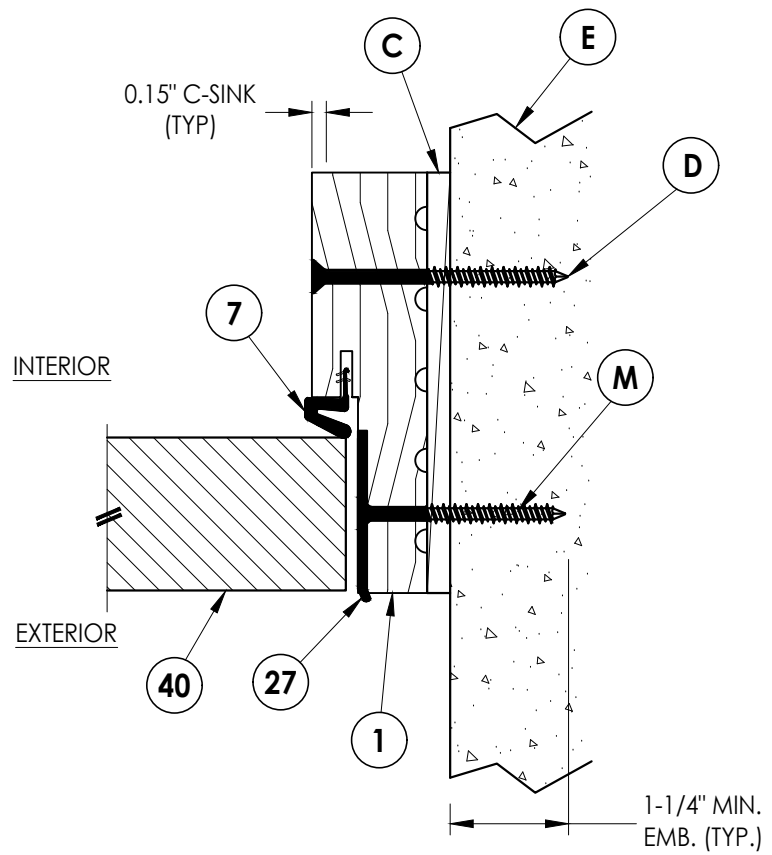


1 **HORIZONTAL CROSS SECTION**

6 Shown Direct to Masonry
Outswing only



3 VERTICAL CROSS SECTION
6 Shown Direct to Masonry
 Outswing only



2 HORIZONTAL CROSS SECTION

6 Shown Direct to Masonry
Outswing only

3	9/26/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
2	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
1	5/23/18	UPDATE TO 6TH ED. (2017)	FBC	JK	
NO.	DATE			BY	
					REVISIONS

DATE: 8/17/16

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-20800.4

SHEET 6 OF 10

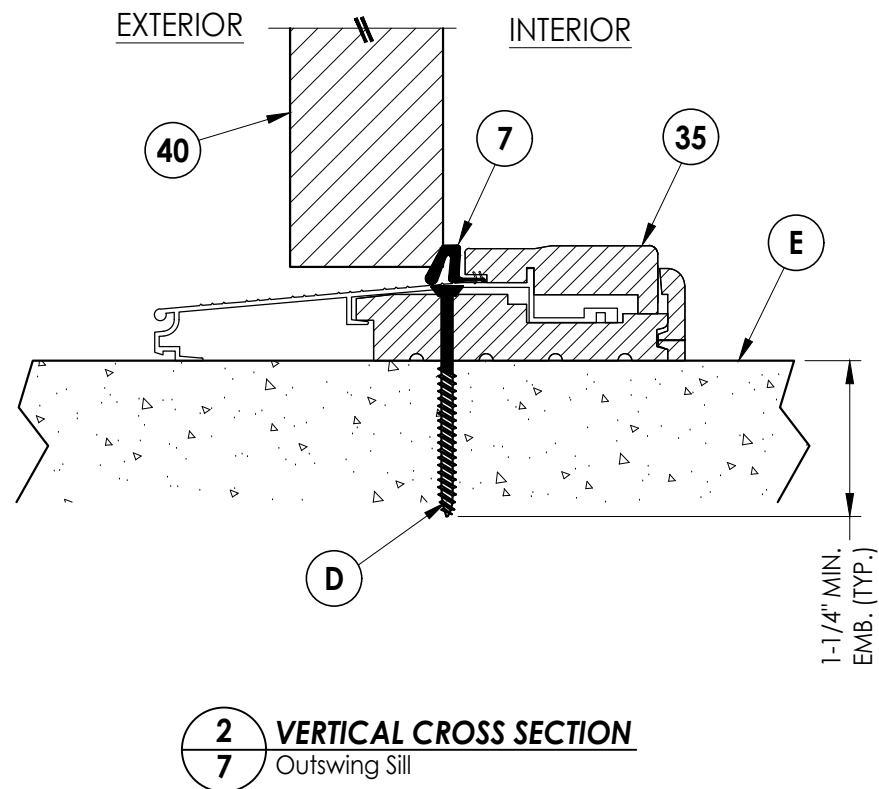
Documents Prepared By:
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P.E. No. 43409

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

PRODUCT:
INTERNATIONAL WOOD TRADE
WOOD DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)

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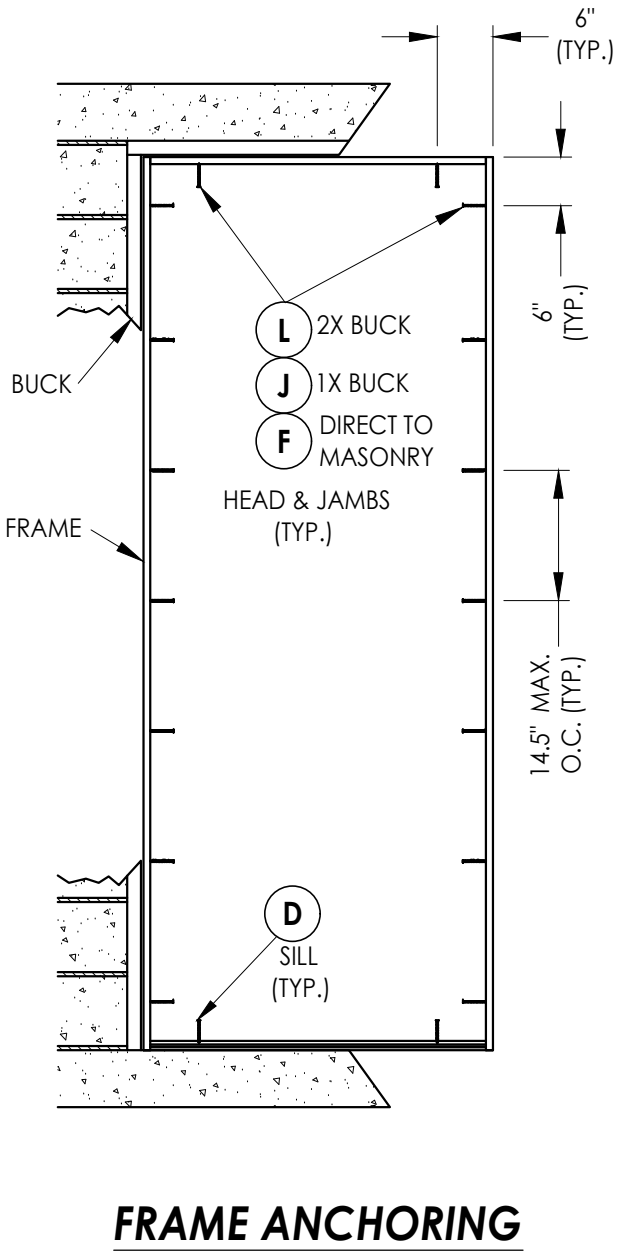
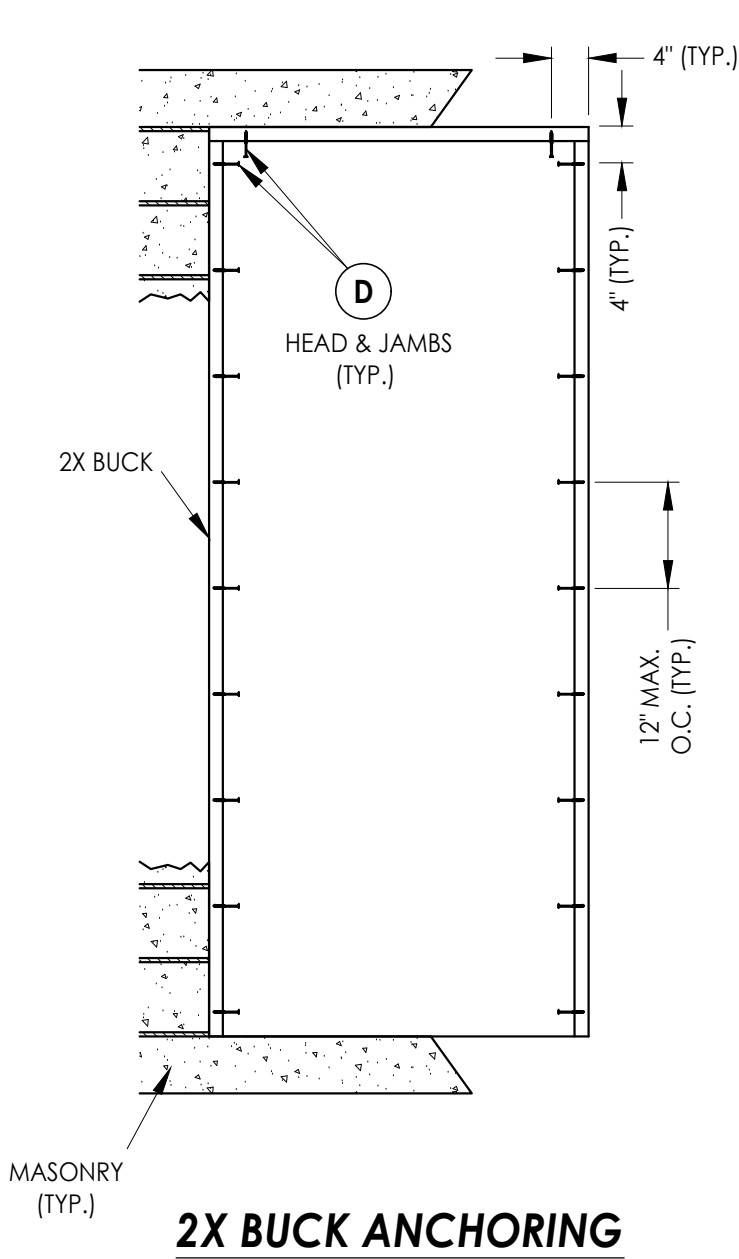
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NOTE:
1. ALL FRAME CORNERS SECURED WITH (3) #8 X 3" FH WOOD SCREWS @ HEAD & SILL.



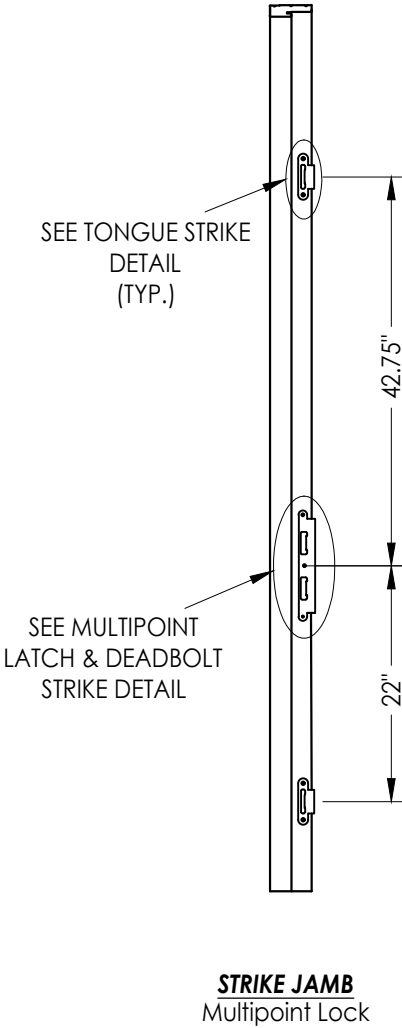
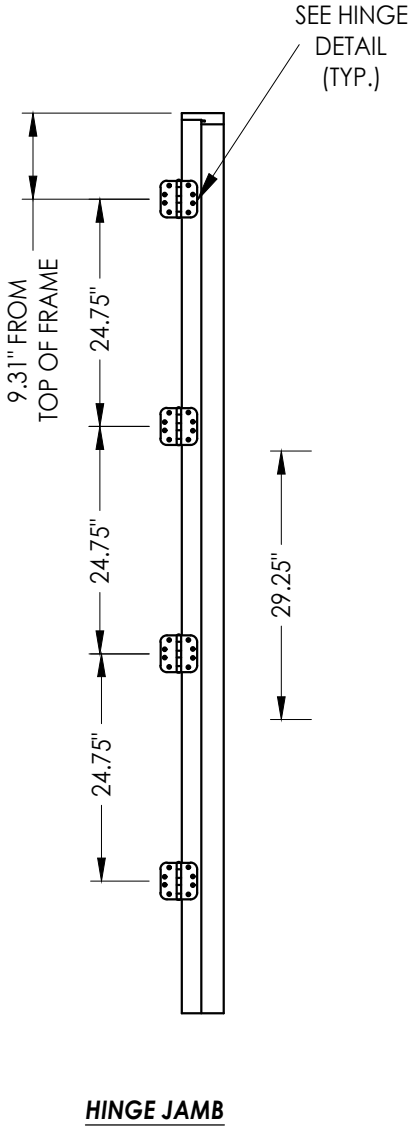
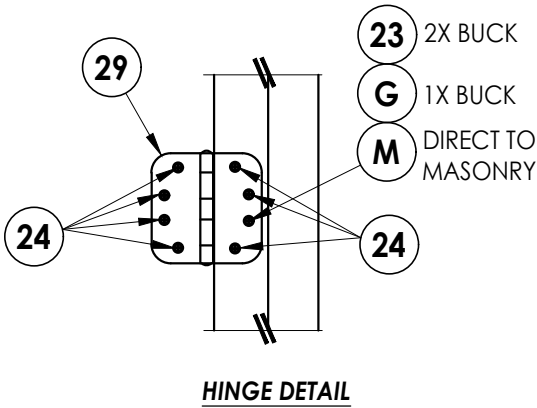
DATE: 8/17/16	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-20800.4	
SHEET 8 of 10	

NO.	DATE	REVISIONS
3	9/26/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	5/23/18	UPDATE TO 6TH ED. (2017) FBC JK
		BY

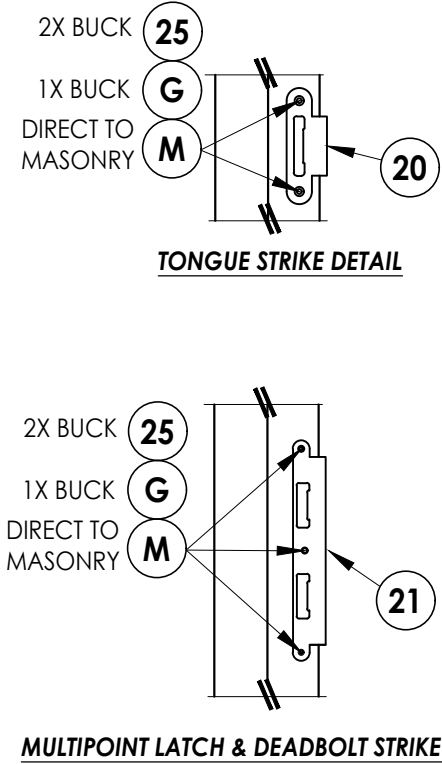
PRODUCT: INTERNATIONAL WOOD TRADE WOOD DOOR	
PART OR ASSEMBLY: BUCK & FRAME ANCHORING	

Documents Prepared By:
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MULTIPOINT LOCK HARDWARE DETAILS



DATE: 8/17/16				SHEET 9 OF 10			
SCALE: N.T.S.				DRAWING NO.: FL-20800.4			
DWG. BY: JK				CHK. BY: LFS			
3 9/26/23				2 9/16/20			
2 9/16/20				1 5/23/18			
UPDATE TO 8TH ED. (2023)				UPDATE TO 7TH ED. (2020)			
FBC				FBC			
LFS				JK			
BY				DATE			
NO.				REVISIONS			
PRODUCT: INTERNATIONAL WOOD TRADE WOOD DOOR				PART OR ASSEMBLY: HARDWARE DETAILS			
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			

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
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
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
1	WOOD JAMB (SAPELE, G>= 0.55)	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
20	MULTIPOINT TONGUE STRIKE PLATE	STEEL
21	MULTIPOINT LATCH & DEADBOLT STRIKE PLATE	STEEL
23	#12 X 2-1/2" PFH WOOD SCREW	STEEL
24	#12 x 1-1/4" PFH WOOD SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
30	INSWING ADJUSTABLE THRESHOLD	ALUM/WOOD
35	OUTSWING BUMP THRESHOLD	ALUM/WOOD
40	DOOR PANEL	WOOD

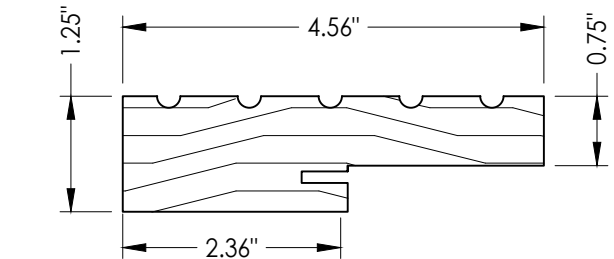
CONCRETE ANCHOR NOTES:

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:

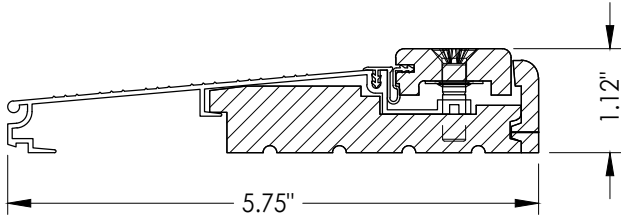
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

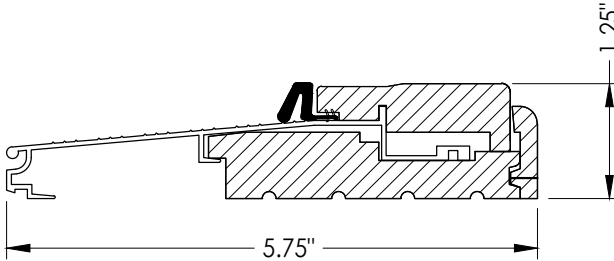
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



1 WOOD JAMB



30 INSWING ADJUSTABLE THRESHOLD
Imperial 5Y



35 OUTSWING BUMB THRESHOLD

DATE: 8/17/16		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		INTERNATIONAL WOOD TRADE		Lyndon F. Schmidt	
DWG. BY: JK		WOOD DOOR		P.E. No. 43409	
CHK. BY: LFS		PART OR ASSEMBLY:		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DRAWING NO.: FL-20800.4		BILL OF MATERIALS			
SHEET 10 OF 10		& COMPONENTS			
3	9/26/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
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