

STEVES AND SONS
203 Humble Ave.
San Antonio, TX 78225

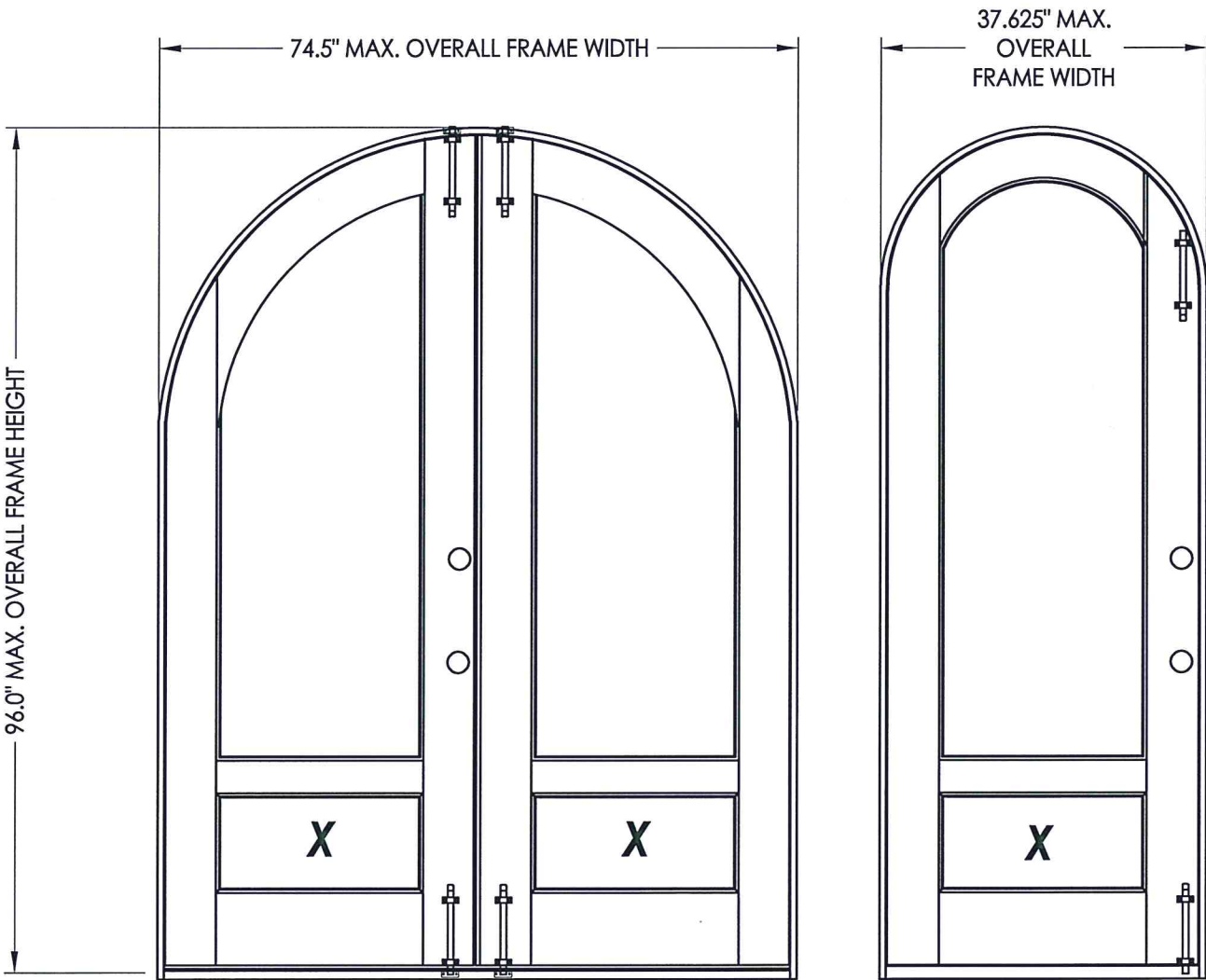
ROUND TOP OPAQUE WOOD DOOR
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

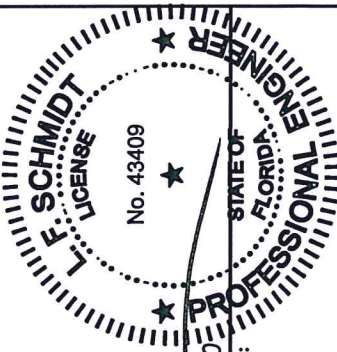
1. This product anchoring drawing has been developed in compliance with the 7th Edition (2020) Florida Building Code (FBC) excluding the "High Velocity Hurricane Zone". See the Certification Agency Certificate for sizes, specifications and ratings.
2. Product anchors shall be as listed and spaced as 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.

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1	Typical elevation, design pressures & general notes
2	Elevations
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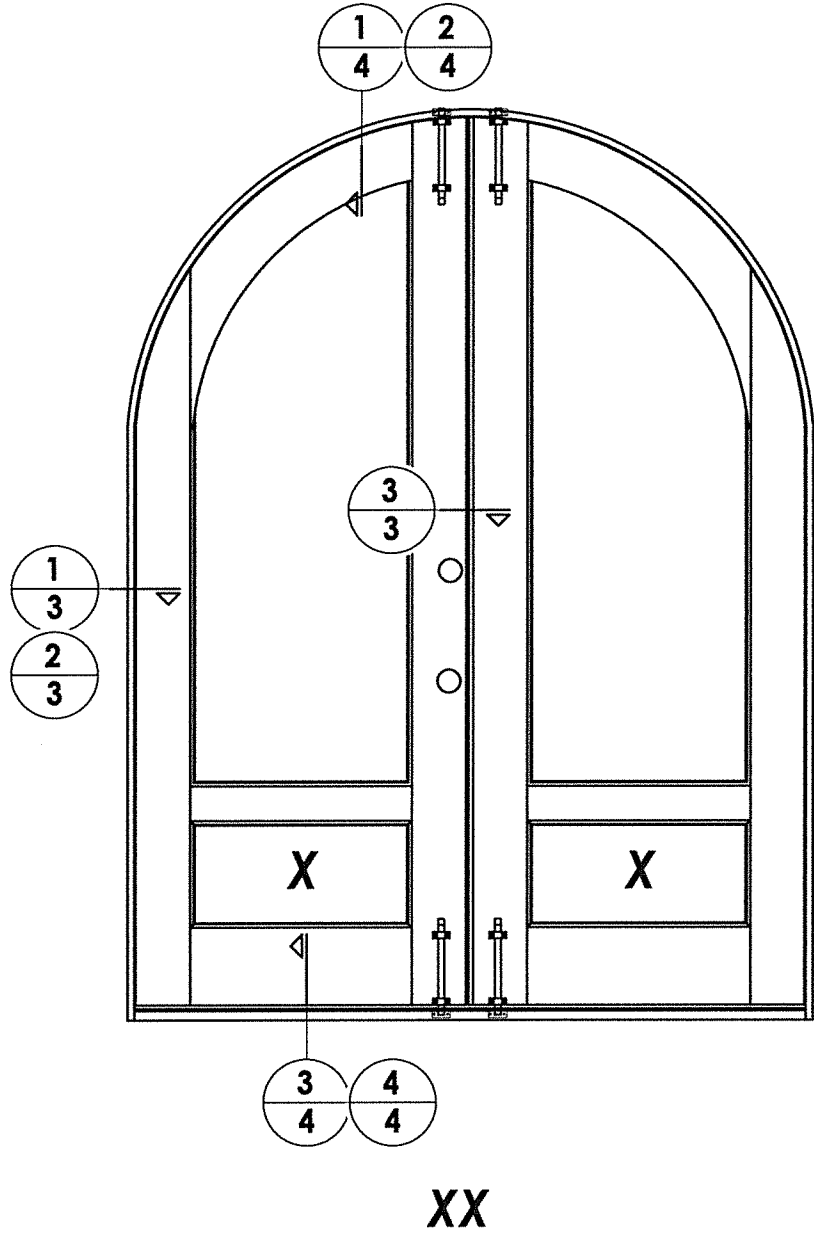
CONFIGURATION	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.625" x 96.0"	+55.0	-55.0	+55.0	-55.0
XX	74.5" x 96.0"	+55.0	-55.0	+55.0	-55.0



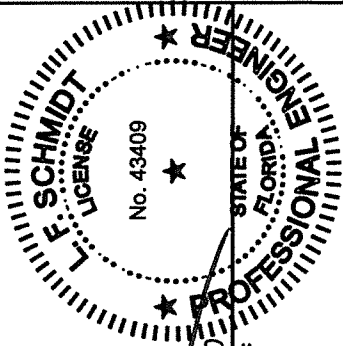
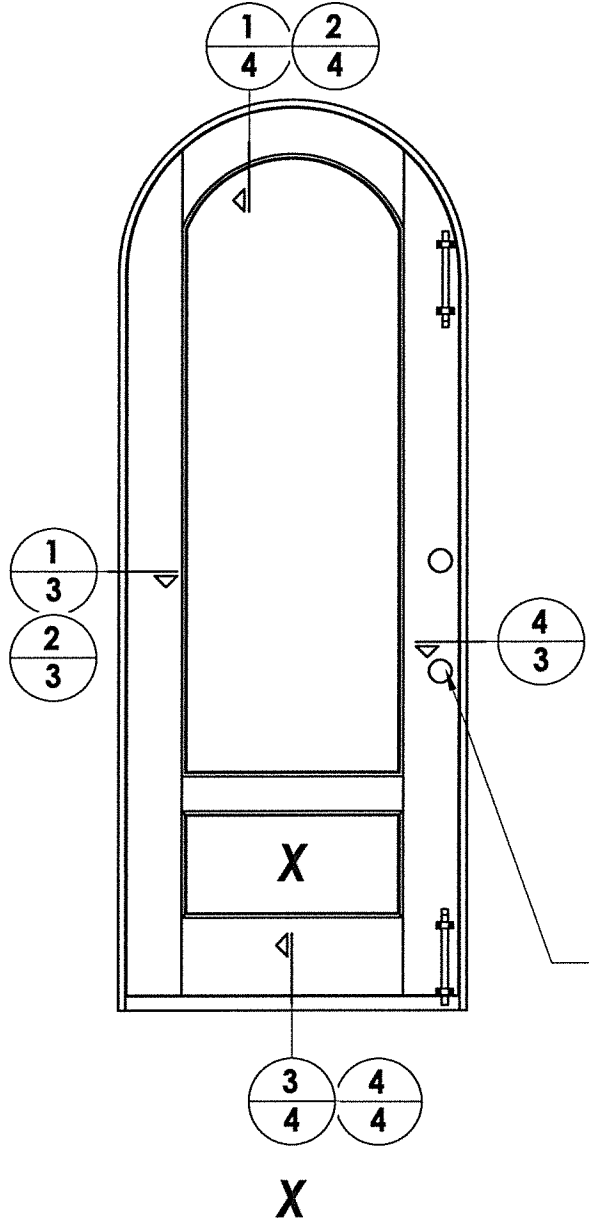
September 14, 2020
Documents Prepared By:
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BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		STEVES AND SONS WOOD DOOR	
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
2	9/10/20	UPDATE TO 7TH ED. (2020)	FBC
1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC
NO.	DATE		BY
REVISIONS			
DATE: 6/2/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17772.4			
SHEET 1 OF 7			

R:\Clients\Steves and Sons - Permanent\A - Florida Product Approvals\FL-17772 Wood Doors Non-Impact\C - Drawings\FL 17772 (2020)\FL-17772.1-4.dwg, 2.4

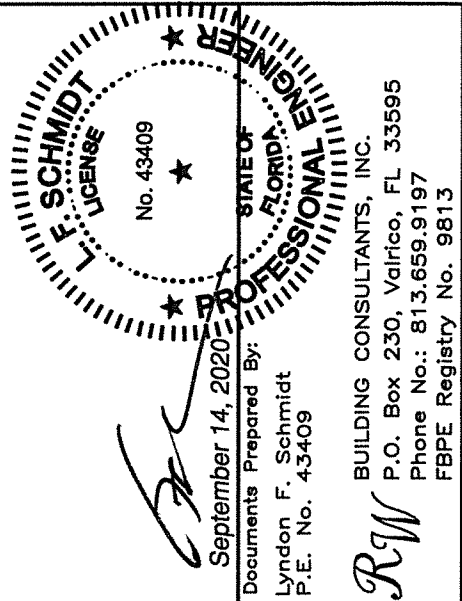
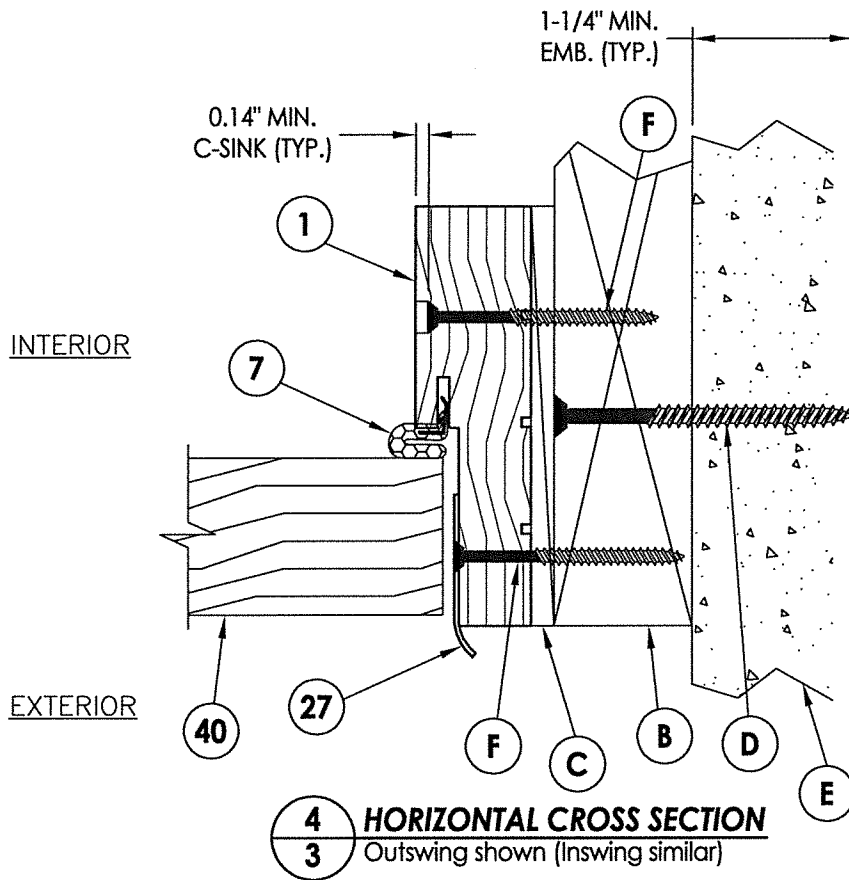
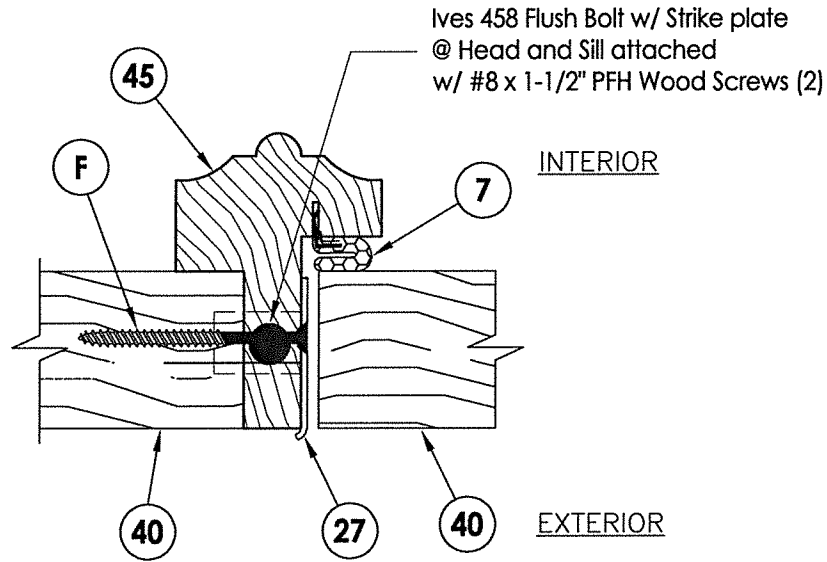
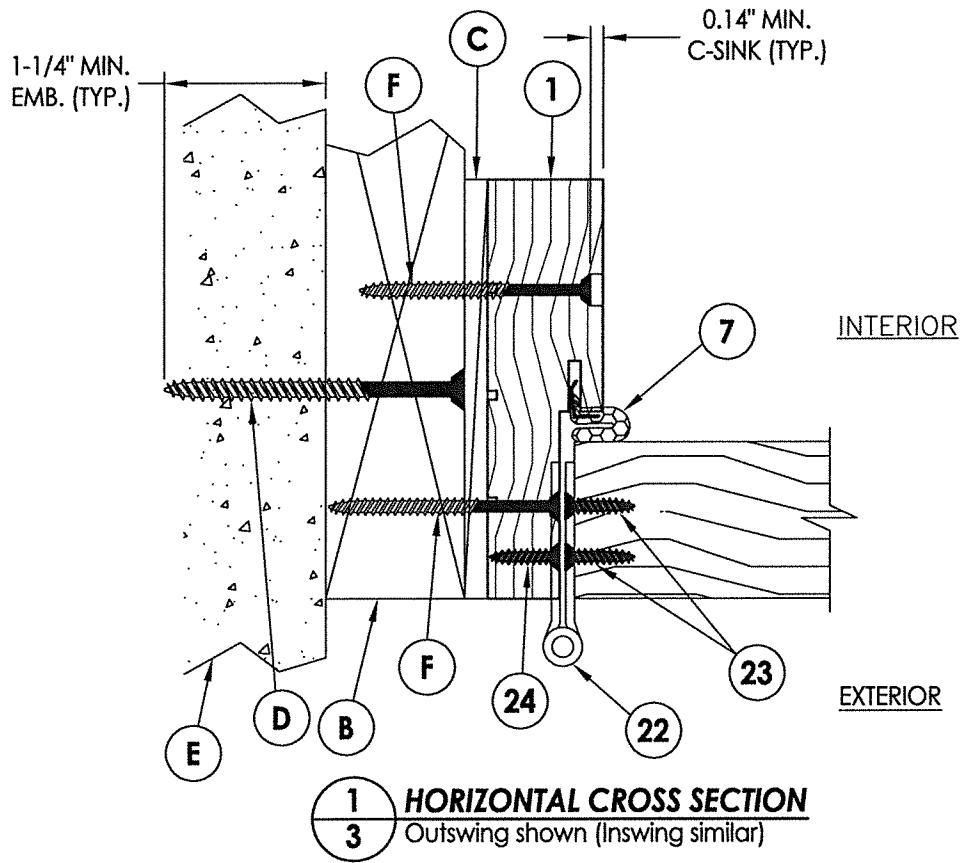
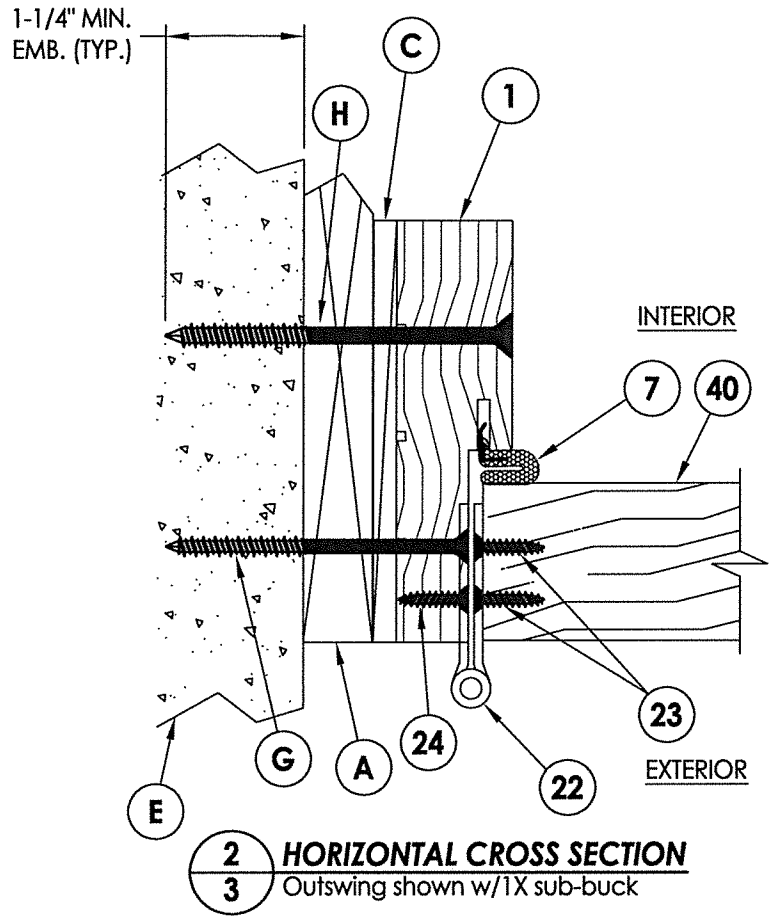


HARDWARE TABLE	
MANUFACTURER	MODEL
DEXTER	KNOB: "J" Series
	DEADBOLT: "J" Series



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PRODUCT: STEVES AND SONS WOOD DOOR		PART OR ASSEMBLY: ELEVATIONS	
		LFS	JK
2	9/10/20	UPDATE TO 7TH ED. (2020)	FBC
1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC
NO.	DATE	REVISIONS	
DATE: 6/2/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17772.4			
SHEET 2 OF 7			



PRODUCT:		STEVE'S AND SONS WOOD DOOR	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
DATE:		6/2/15	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-17772.4	
SHEET		3	OF 7
REVISIONS			
NO.	DATE	BY	
2	9/10/20	LFS	UPDATE TO 7TH ED. (2020) FBC
1	10/08/17	JK	UPDATE TO 6TH ED. (2017) FBC

Technical cross-section diagram of a window assembly. The diagram shows the exterior, interior, and various components labeled with letters and numbers. The exterior is labeled 'E' and the interior is labeled 'I'. The window frame is labeled 'A' and the sash is labeled 'C'. The sash is shown in two positions: a closed position (labeled '1') and an open position (labeled 'H'). The sash is held in place by a hinge (labeled '34') and a latch (labeled '33'). The window is secured by a lock (labeled '37') and a handle (labeled '39'). The window is shown with a minimum thickness of 1-1/4" MIN. and an embossed (EMB.) surface.

Diagram illustrating the Vertical Cross Section of a door sill assembly, showing components and dimensions:

- 34**: Door frame
- 39**: Weatherstripping
- 40**: Door
- 8**: Door handle
- 35**: Door stop
- 36**: Door pull
- D**: Screw
- 20**: Washer
- E**: Concrete base

Dimension: 1-1/4" MIN. EMB. (TYP.)

3 **VERTICAL CROSS SECTION**
4 Inswing sill

1-1/4" MIN.
EMB. (TYP.)

EXTERIOR

INTERIOR

40

39

33

34

K

37

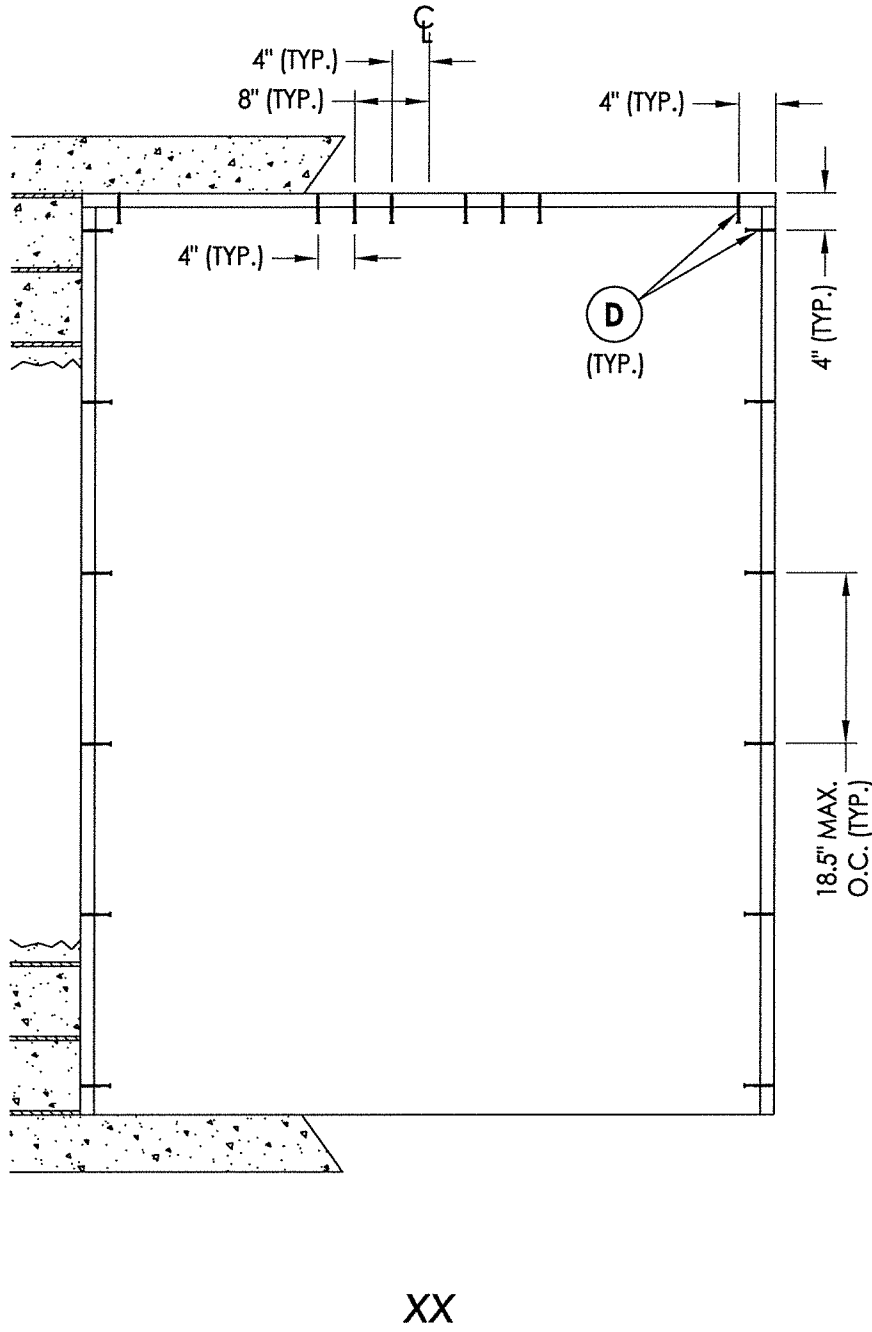
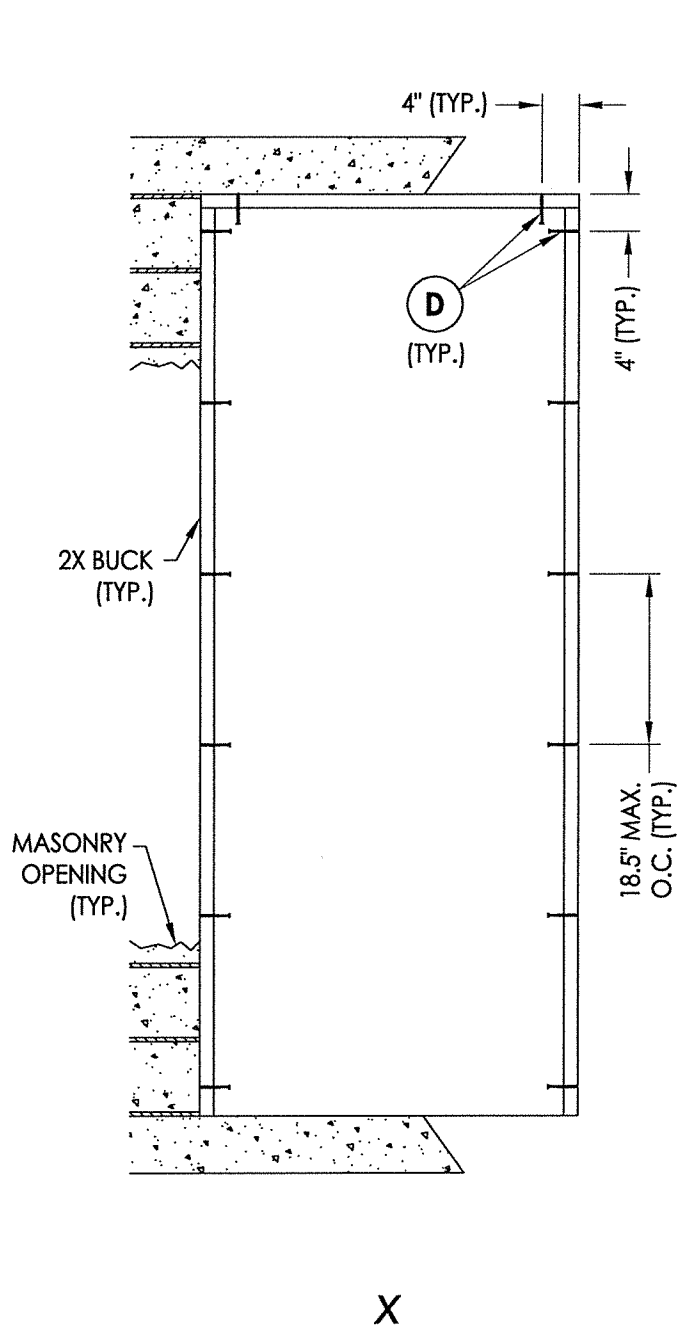
21

J

E

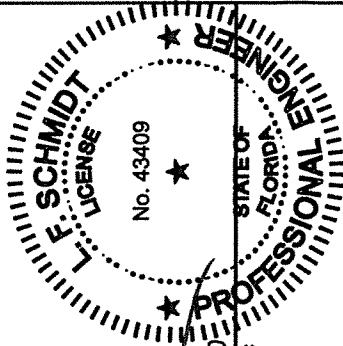
4 VERTICAL CROSS SECTION
4 Outswing sill

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2X BUCK ANCHORING

DATE: 6/2/15		REVISIONS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17772.4			
SHEET 5 OF 7			
2	9/10/20	UPDATE TO 7TH ED. (2020)	LFS
1	10/08/17	UPDATE TO 6TH ED. (2017)	JK
NO.	DATE		BY
PRODUCT:		PART OR ASSEMBLY:	
STEVE'S AND SONS		WOOD DOOR	
		BUCK ANCHORING	



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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" 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	#8 X 2-1/2" PFH WOOD SCREW (1-1/8" MIN. EMBEDMENT)	STEEL
G	3/16" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	3/16" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL
1	HEAD AND SIDE JAMB	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	WOOD
20	INSWING SILL	WOOD
21	OUTSWING SILL	WOOD
22	4" x 4" HINGE	STEEL
23	#9 X 3/4" PFH WOOD SCREW	STEEL
24	#8 X 3/4" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
33	SURFACE BOLT SPACER	-
34	SURFACE BOLT (IVES 454 8" LONG)	STEEL
35	#8 X 1" PFH WOOD SCREW	STEEL
36	SURFACE BOLT GUIDE PLATE	STEEL
37	SURFACE BOLT STRIKE	STEEL
39	#10 X 2" SEX BOLT	STEEL
40	WOOD DOOR PANEL	-
45	ASTRAGAL	WOOD

NOTE: WOOD DOOR COMPONENTS: PINE ($G \geq 0.42$)

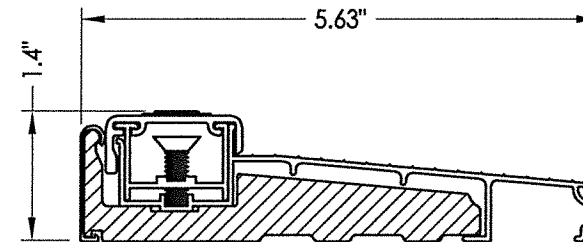
CONCRETE ANCHOR NOTES:

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:

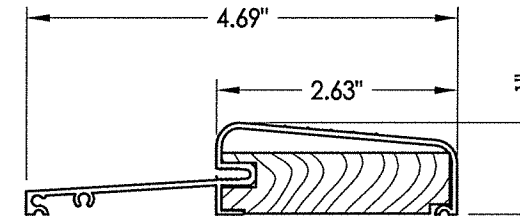
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

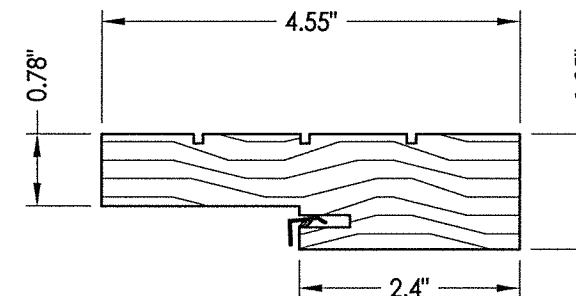
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



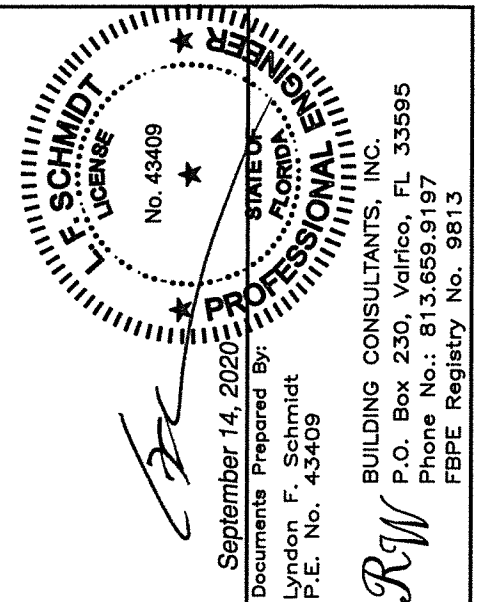
20 INSWING THRESHOLD



21 OUTSWING THRESHOLD



1 FRAME

[illegible]