

STEVES AND SONS

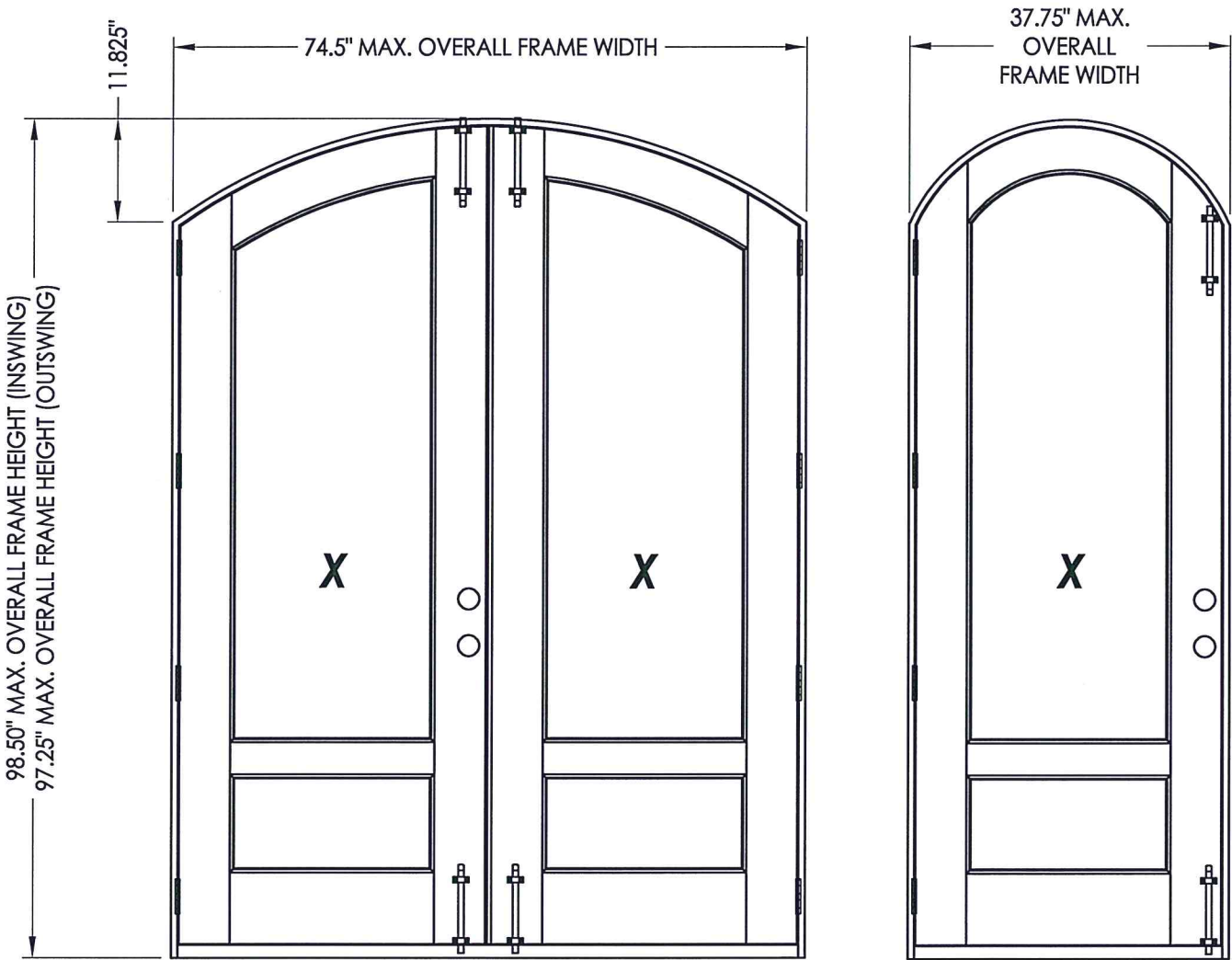
203 Humble Ave.
San Antonio, TX 78225

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

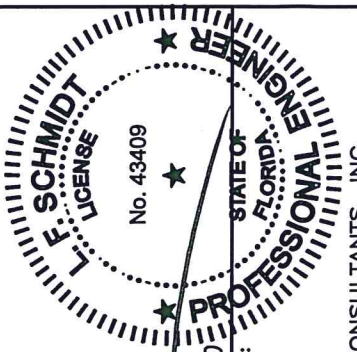
GENERAL NOTES

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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6	Frame anchoring
7	Bill of materials & components



CONFIGURATION	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 98.5"	+50.0	-50.0	+50.0	-50.0
XX	74.5" x 98.5"	+50.0	-50.0	+50.0	-50.0



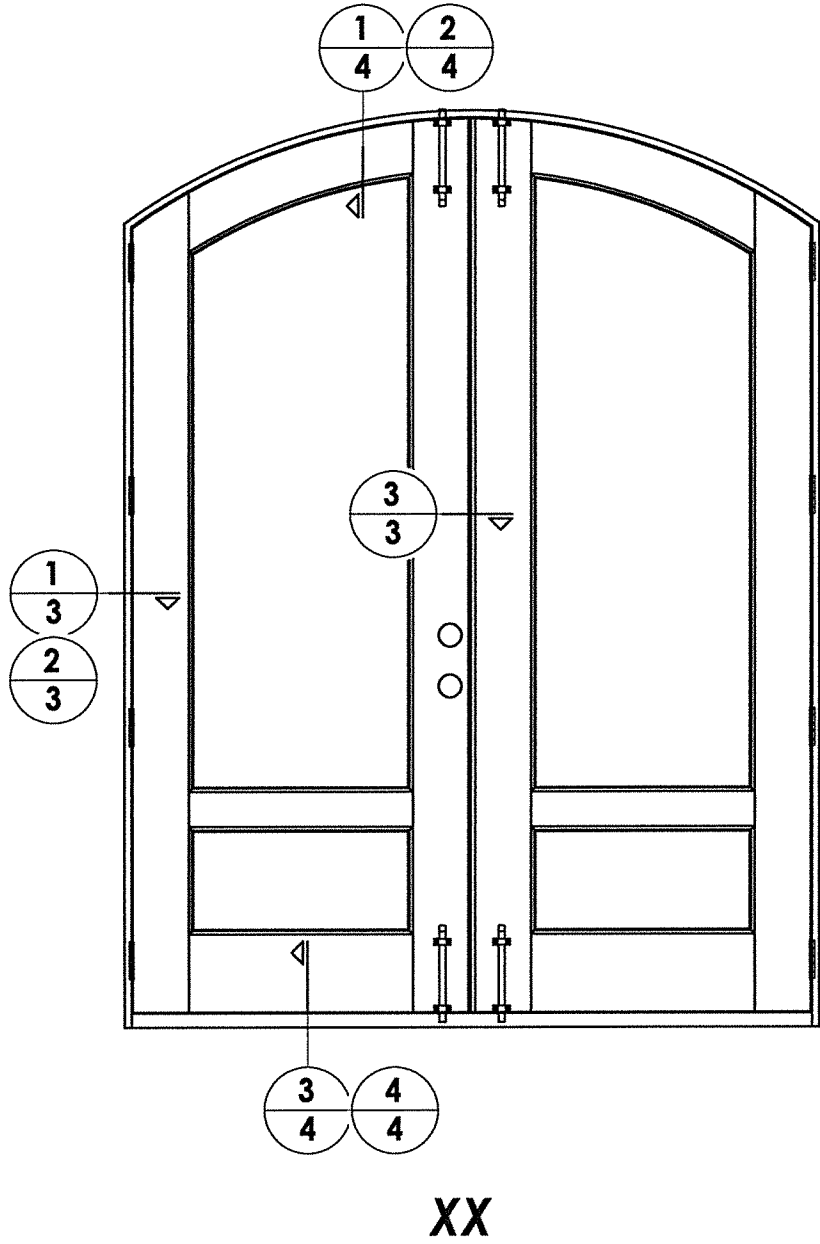
September 14, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

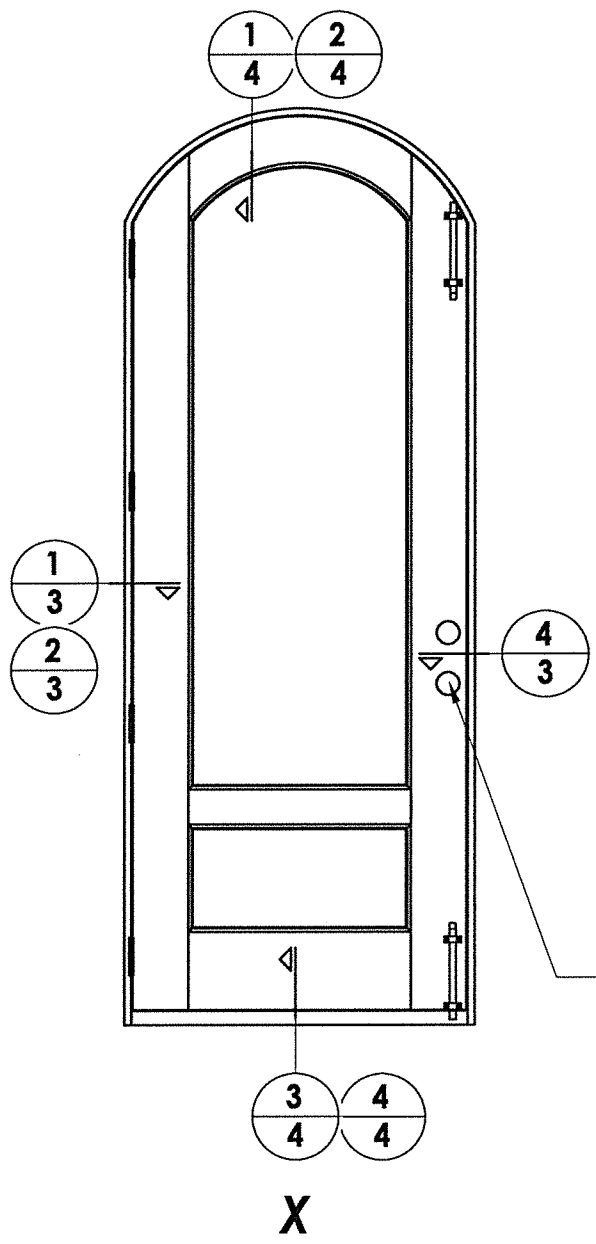
PRODUCT: STEVES AND SONS
WOOD DOOR
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS	
		BY	JK
2	9/10/20	UPDATE TO 7TH ED. (2020)	FBC
1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC

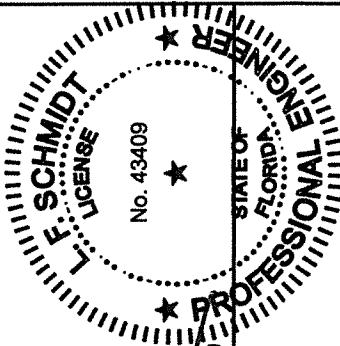
DATE: 12/2/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-17772.5
SHEET 1 OF 7



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



SEE HARDWARE CHART
(TYP.)



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PRODUCT:
STEVES AND SONS
WOOD DOOR

PART OR ASSEMBLY:
ELEVATIONS

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

DATE: 12/2/15

SCALE: N.T.S.

DWG. BY: JK

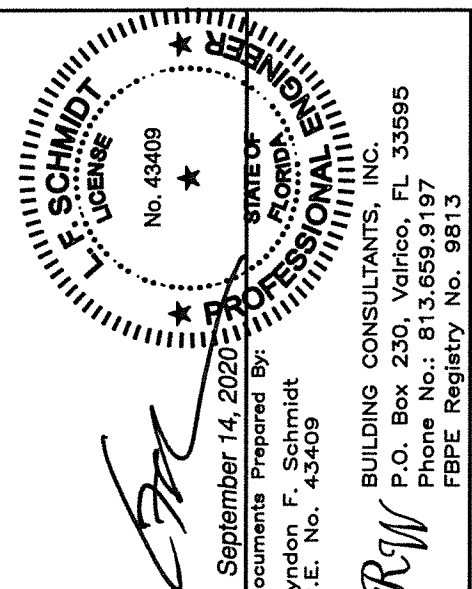
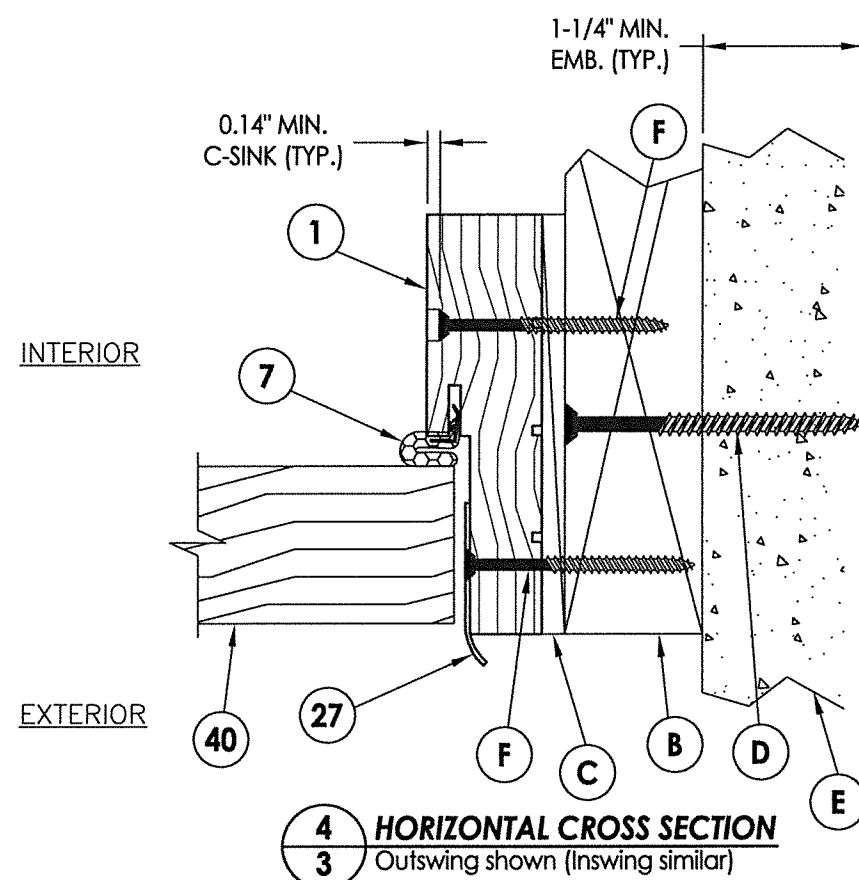
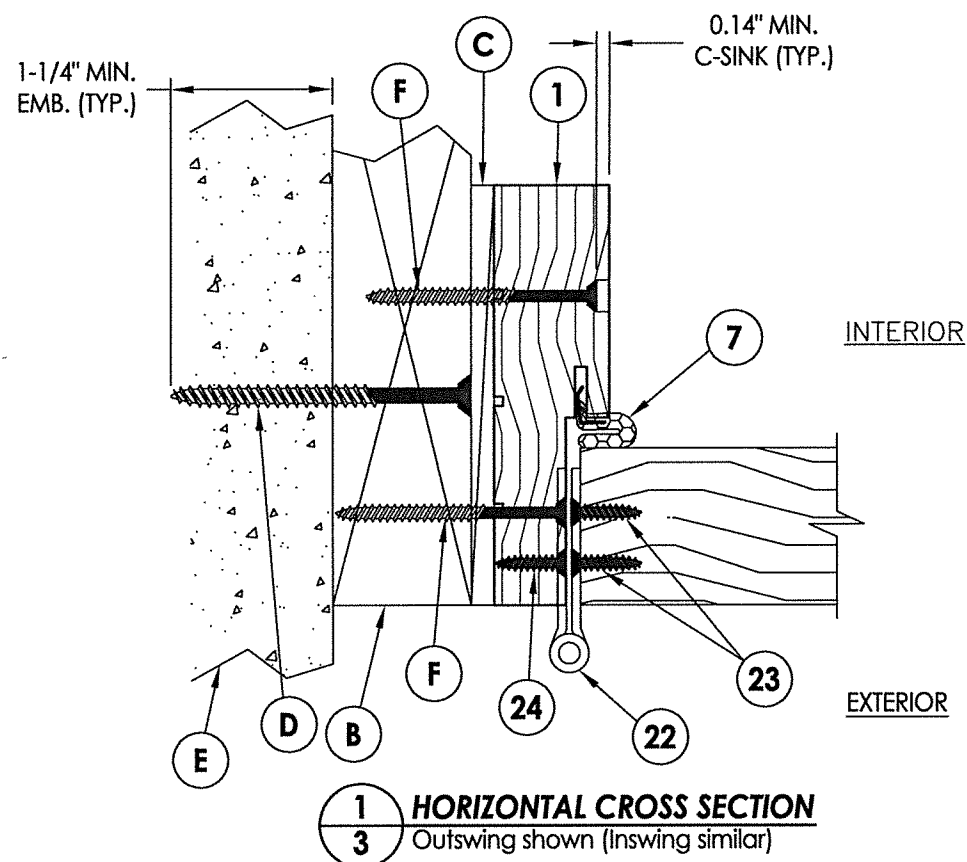
CHK. BY: LFS

DRAWING NO.:

FL-17772.5

SHEET 2 OF 7

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



DATE: 12/2/15		PRODUCT: STEVES AND SONS WOOD DOOR	
SCALE: N.T.S.		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17772.5			
SHEET 3 OF 7		REVISIONS	
NO.	DATE	UPDATE TO	BY
2	9/10/20	7TH ED. (2020)	LFS
1	10/08/17	6TH ED. (2017)	JK

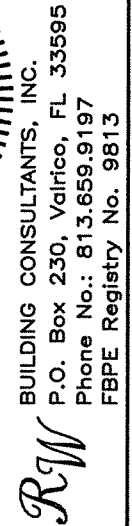
Technical cross-section diagram of a window assembly. The diagram shows the exterior pane (E) and interior pane (I) separated by a frame (A). The frame is composed of multiple layers, including a central core (C) and an outer skin (1). The assembly is secured with screws (39) and a bolt (33). A weatherstripping or seal (34) is visible on the interior side. The diagram is labeled with 'EXTERIOR' and 'INTERIOR' at the bottom. A vertical dimension line on the right indicates a minimum thickness of 1-1/4" MIN. EMB. (TYP.).

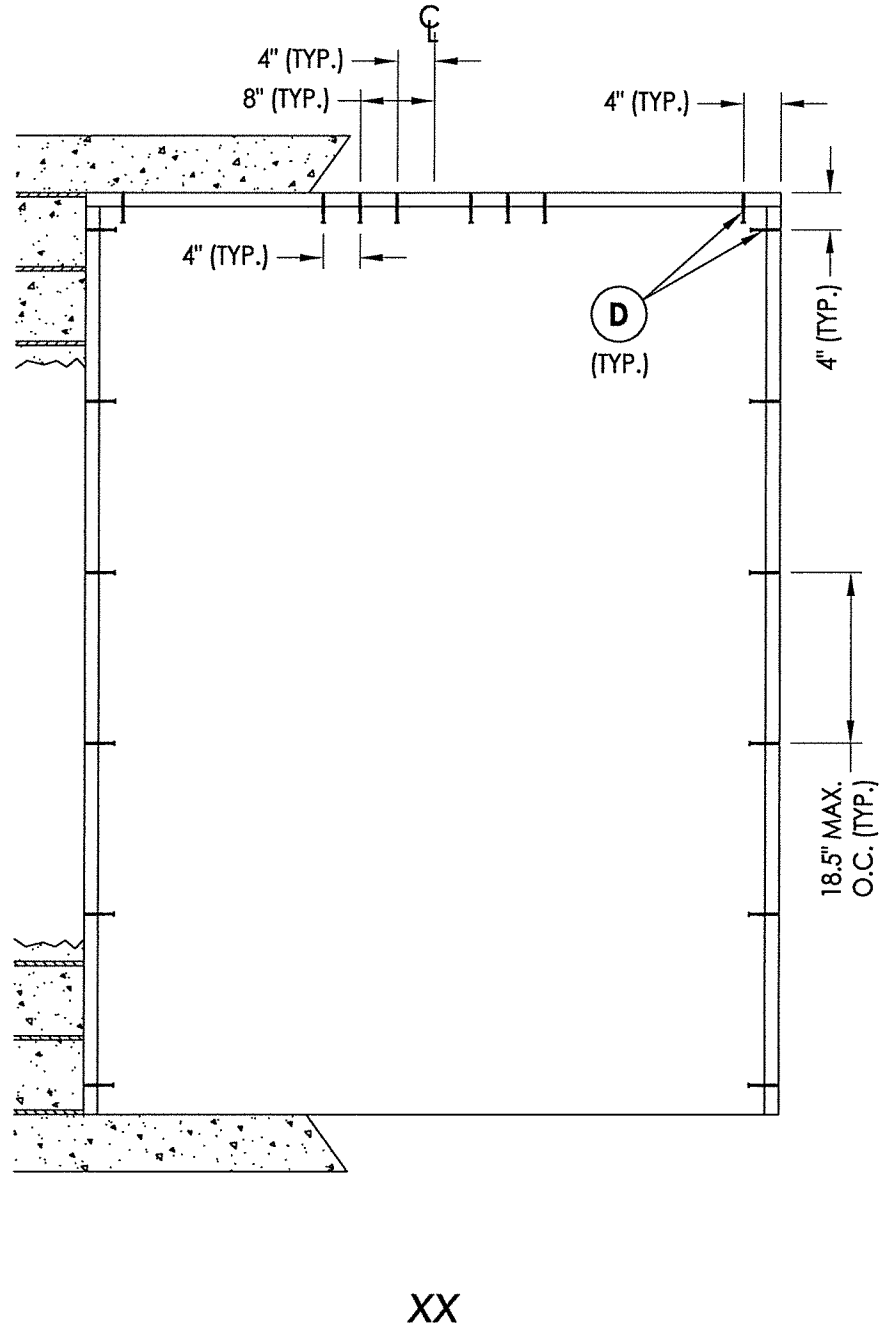
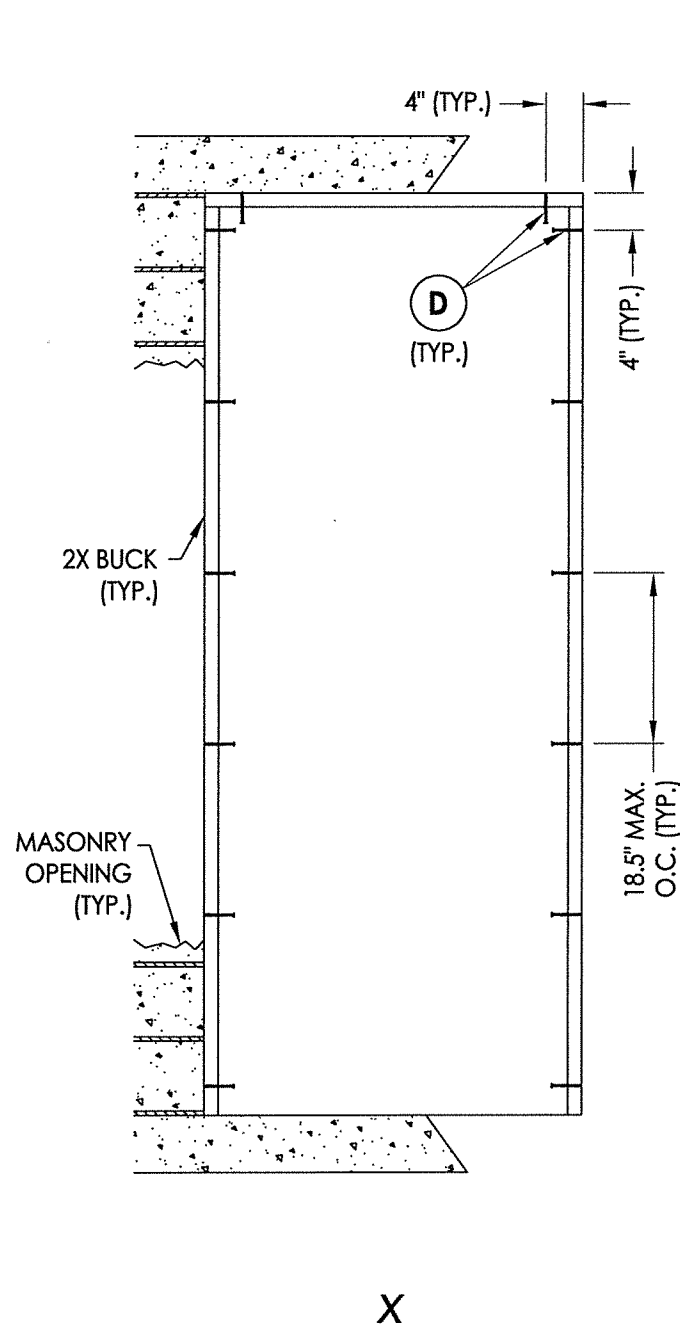
Diagram illustrating the vertical cross section of a door assembly, showing internal components and mounting details. The diagram is labeled with callouts 34, 39, 35, 36, 40, 8, D, 20, and E. The assembly is shown in a vertical orientation, with the interior side on the left and the exterior side on the right. The door is mounted on a wall, and the diagram shows the internal structure, including the door frame, hinge, and locking mechanism. The door is shown in a closed position, with the handle (34) and lock (39) visible. The door frame (35) is shown with a hinge (36) and a locking mechanism (40). The door is shown in a vertical orientation, with the interior side on the left and the exterior side on the right. The diagram shows the internal structure, including the door frame, hinge, and locking mechanism. The door is shown in a closed position, with the handle (34) and lock (39) visible. The door frame (35) is shown with a hinge (36) and a locking mechanism (40). The door is shown in a vertical orientation, with the interior side on the left and the exterior side on the right. The diagram shows the internal structure, including the door frame, hinge, and locking mechanism. The door is shown in a closed position, with the handle (34) and lock (39) visible. The door frame (35) is shown with a hinge (36) and a locking mechanism (40).

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

3
4

VERTICAL CROSS SECTION
Inswing sill

[illegible]



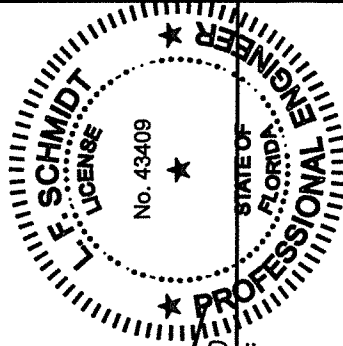
2X BUCK ANCHORING

DATE: 12/2/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-17772.5
SHEET 5 OF 7

REVISIONS	
NO.	DATE
2	9/10/20
1	10/08/17
	UPDATE TO 7TH ED. (2020) FBC
	UPDATE TO 6TH ED. (2017) FBC
	JK
	BY

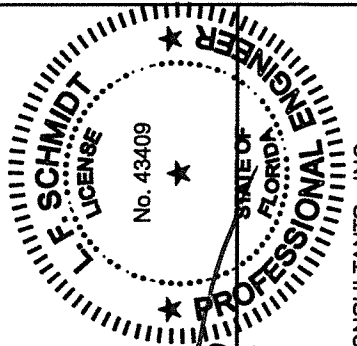
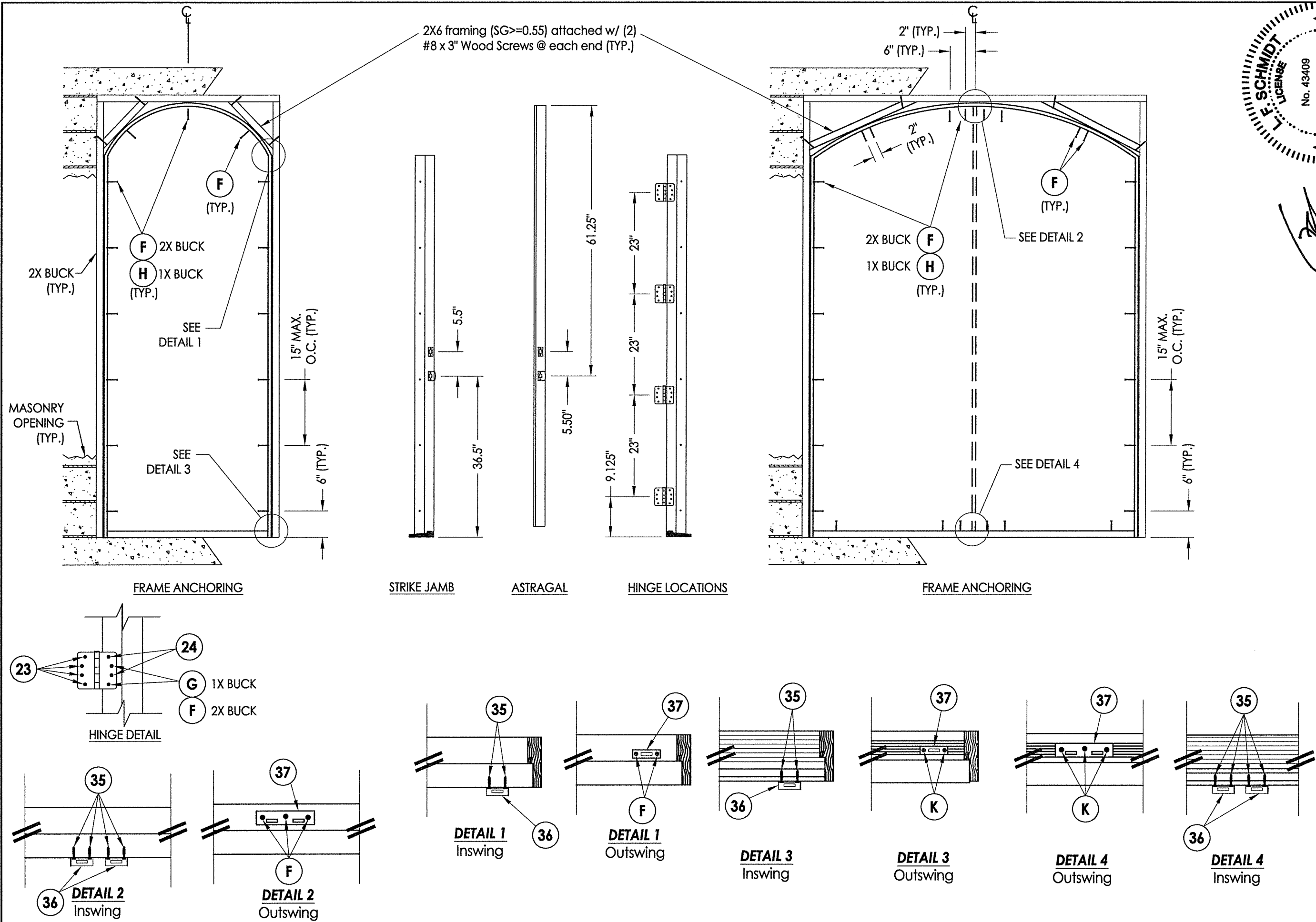
PRODUCT: STEVES AND SONS WOOD DOOR
PART OR ASSEMBLY: BUCK ANCHORING

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R:\Clients\Steves and Sons - Permanent\A - Florida Product Approvals\FL-17772 Wood Doors Non-Impact\A - Drawings\FL 17772 (2020)\FL-17772.5-7.dwg, 7.1



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PRODUCT:		STEVE'S AND SONS WOOD DOOR	
PART OR ASSEMBLY:		FRAME ANCHORING	
NO.	DATE	REVISIONS	
		LFS	BY
2	9/10/20	UPDATE TO 7TH ED. (2020) FBC	LFS
1	10/08/17	UPDATE TO 6TH ED. (2017) FBC	JK

DATE: 12/2/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17772.5
SHEET 6 OF 7

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: MAHOGANY (G >= 0.60)

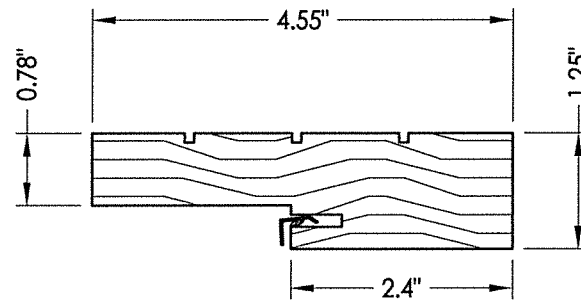
CONCRETE ANCHOR NOTES:

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:

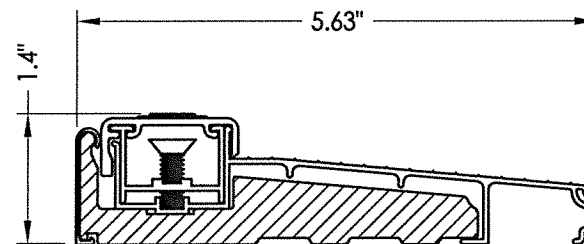
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

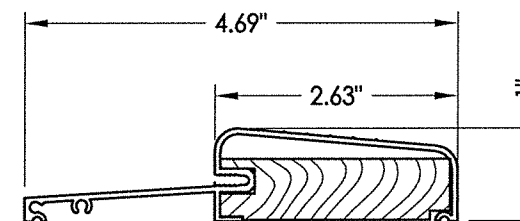
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



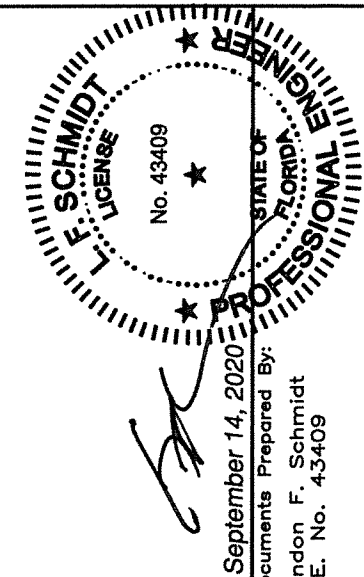
1 FRAME



20 INSWING THRESHOLD



21 OUTSWING THRESHOLD



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WOOD DOOR

PART OR ASSEMBLY:

[illegible]

DATE: 12/2/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-17772.5

SHEET 7 OF 7