

STEVE'S AND SONS

203 Humble Ave.
San Antonio, TX 78225

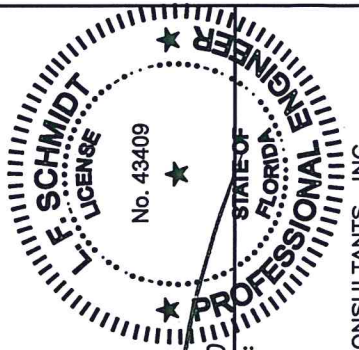
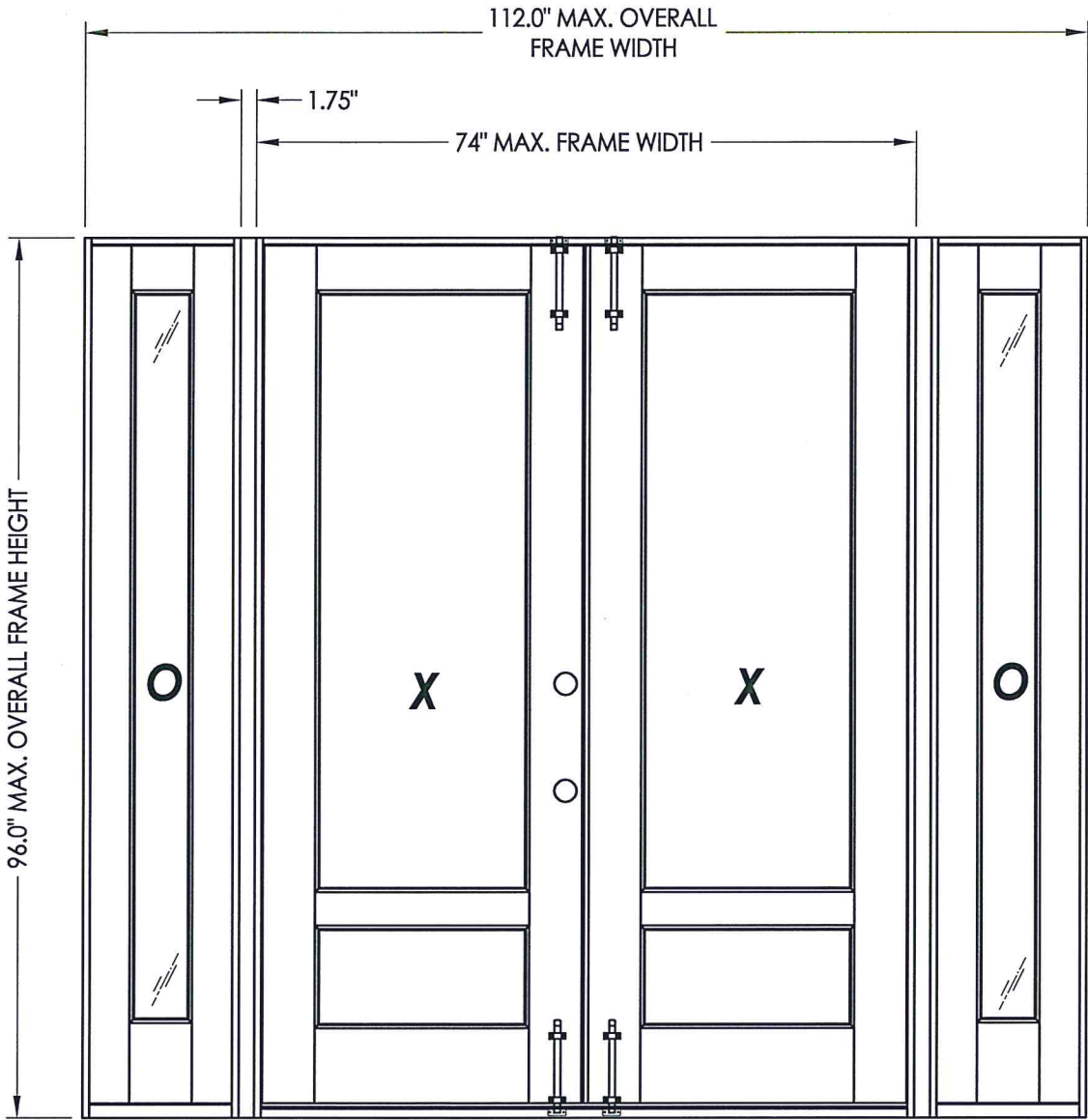
OPAQUE WOOD DOOR
w/ or w/o SIDELITES
INSWING / OUTSWING
"NON-IMPACT"

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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SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Elevations
3	Horizontal cross section
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6	Frame anchoring
7	Bill of materials, components and glazing detail

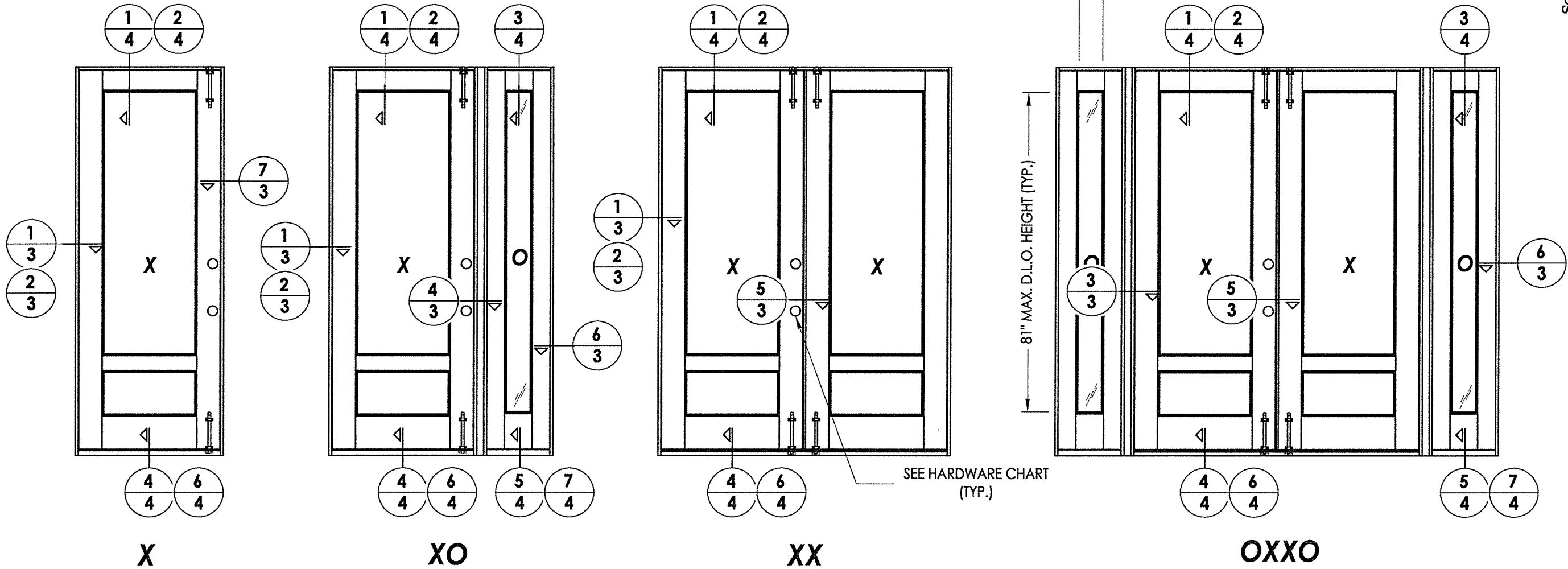
CONFIGURATION	OVERALL FRAME DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OXXO	112.0" x 96.0"	G1	+55.0	-55.0	+35.0	-35.0
XX	74.0" x 96.0"	G1	+55.0	-55.0	+35.0	-35.0
OX/XO	56.75" x 96.0"	G1	+55.0	-55.0	+35.0	-35.0
X	37.5" x 96.0"	G1	+55.0	-55.0	+35.0	-35.0



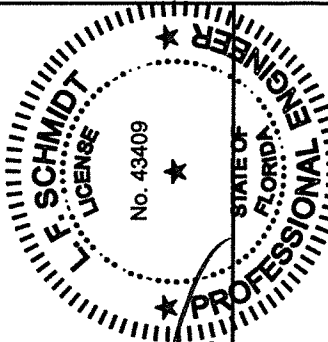
September 14, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

PRODUCT:		STEVE'S AND SONS WOOD DOOR	
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
DATE: 12/2/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17772.6			
SHEET 1 OF 7			
2	9/10/20	UPDATE TO 7TH ED. (2020) FBC	LFS
1	10/08/17	UPDATE TO 6TH ED. (2017) FBC	JK
NO.	DATE		BY
		REVISIONS	



HARDWARE TABLE		MAX. DESIGN PRESSURE
MANUFACTURER	MODEL	
DEXTER	KNOB: "J" Series	+/- 55.0 PSF
	DEADBOLT: "J" Series	
W & F	Multi-point Lock (3 point)	+/- 35.0 PSF



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RW
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PRODUCT:
STEVES AND SONS
WOOD DOOR

PART OR ASSEMBLY:
ELEVATIONS

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

DATE: 12/2/15

SCALE: N.T.S.

DWG. BY: JK

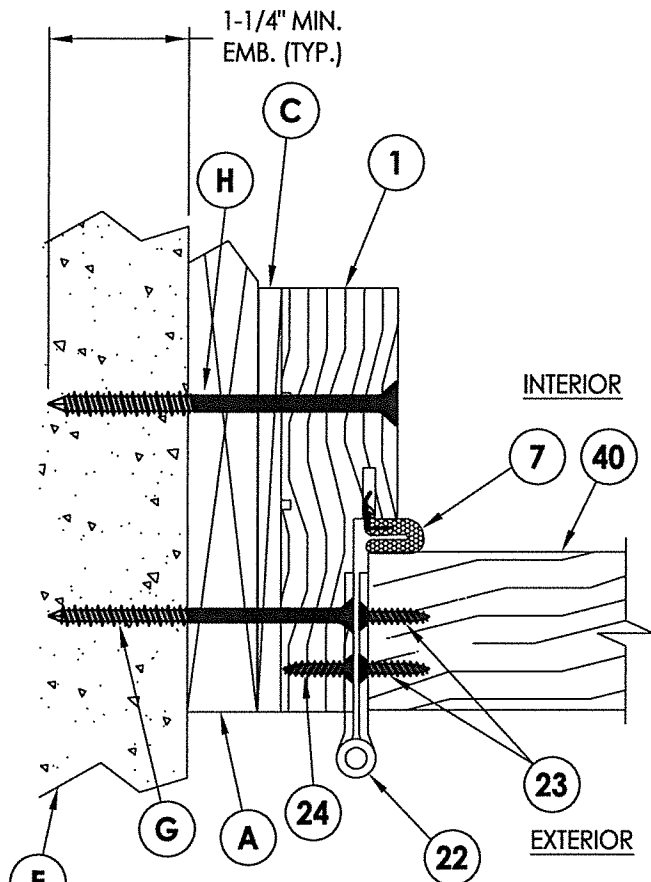
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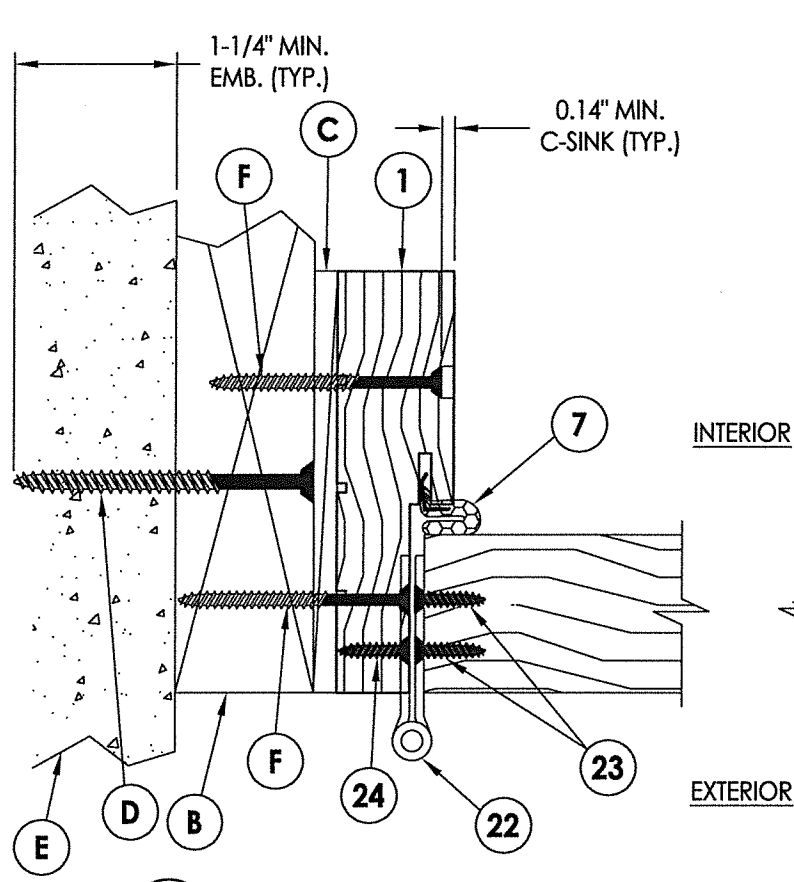
FL-17772.6

SHEET 2 OF 7

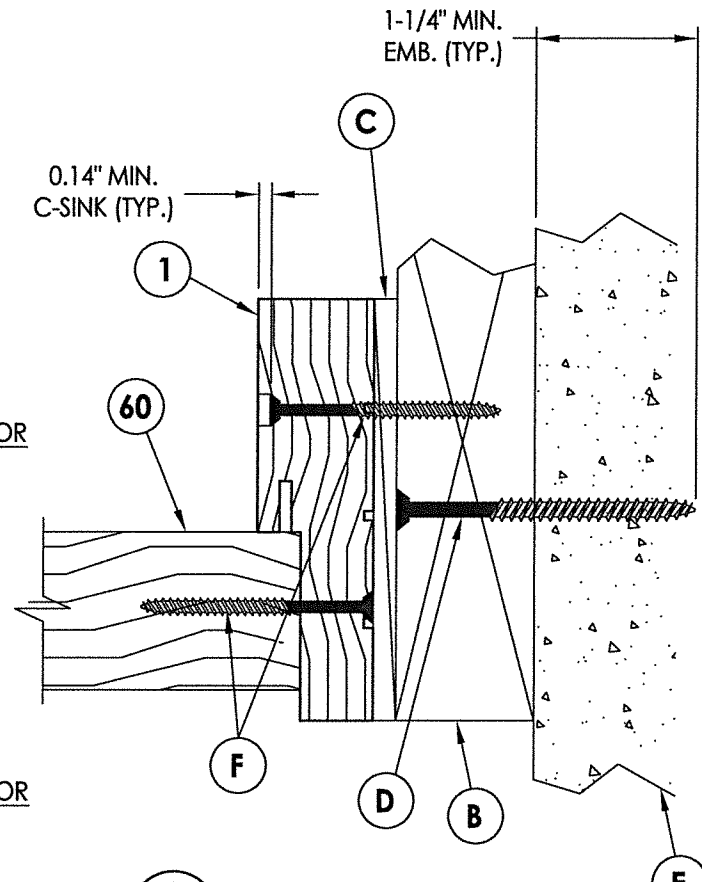
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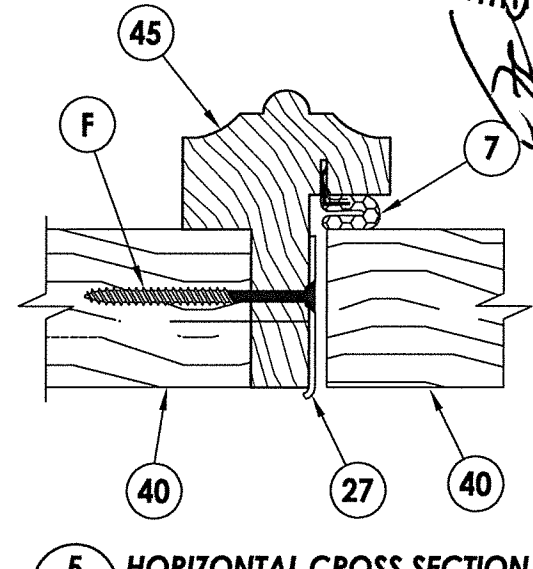
1 HORIZONTAL CROSS SECTION
3 Shown w/1X sub-buck



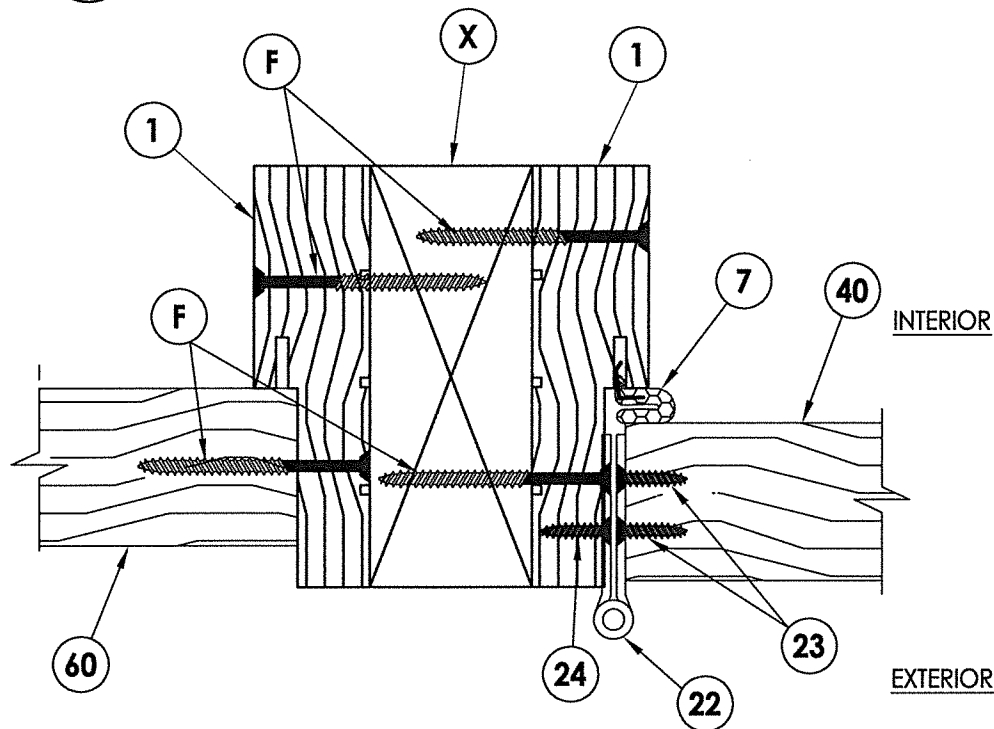
2 HORIZONTAL CROSS SECTION
3 Outswing shown (Inswing similar)



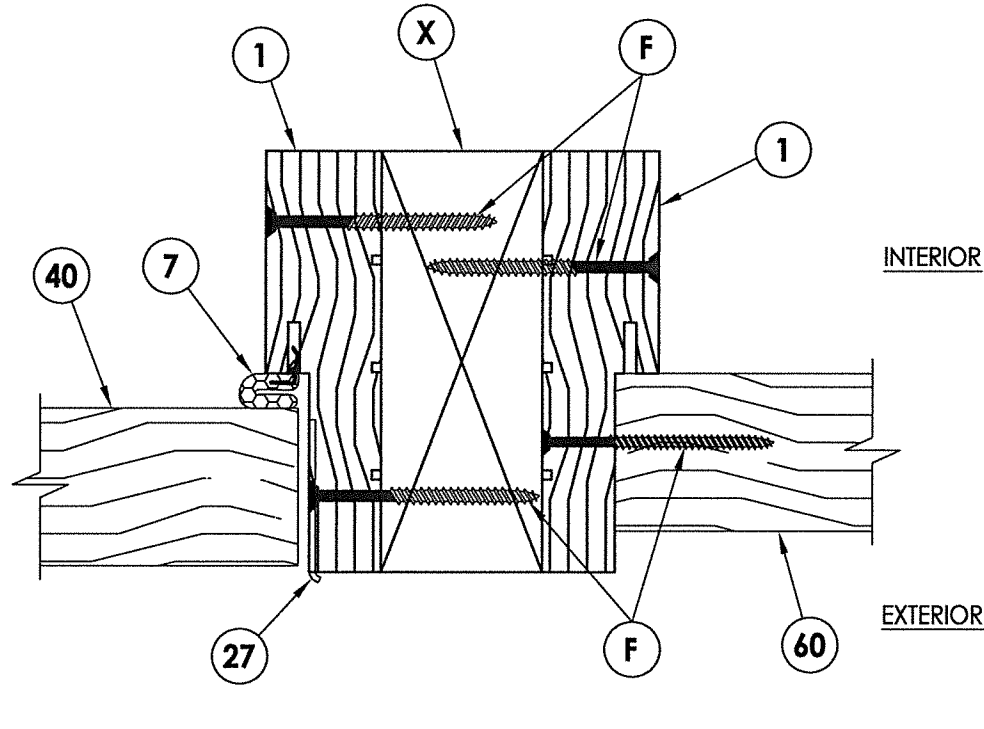
6 HORIZONTAL CROSS SECTION
3 Outswing shown (Inswing similar)



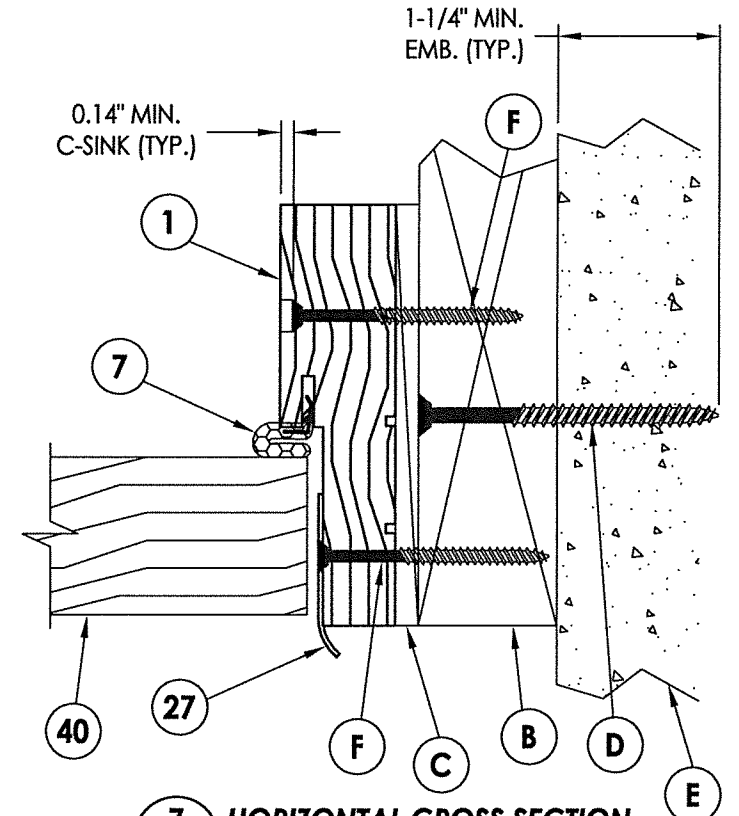
5 HORIZONTAL CROSS SECTION
3 Outswing shown (Inswing similar)



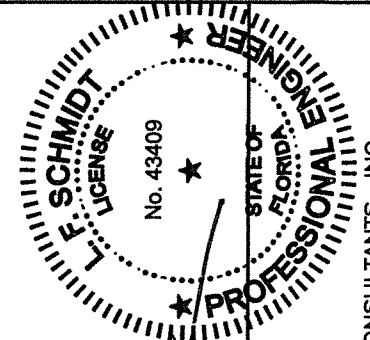
3 HORIZONTAL CROSS SECTION
3 Outswing shown (Inswing similar)



4 HORIZONTAL CROSS SECTION
3 Outswing shown (Inswing similar)



7 HORIZONTAL CROSS SECTION
3 Outswing shown (Inswing similar)



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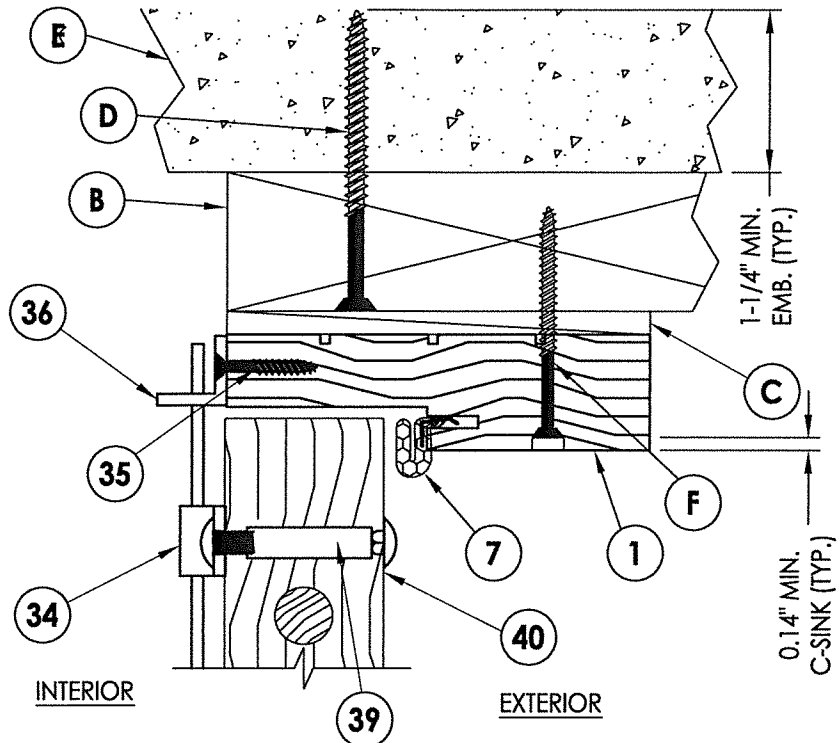
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PRODUCT: STEVES AND SONS WOOD DOOR

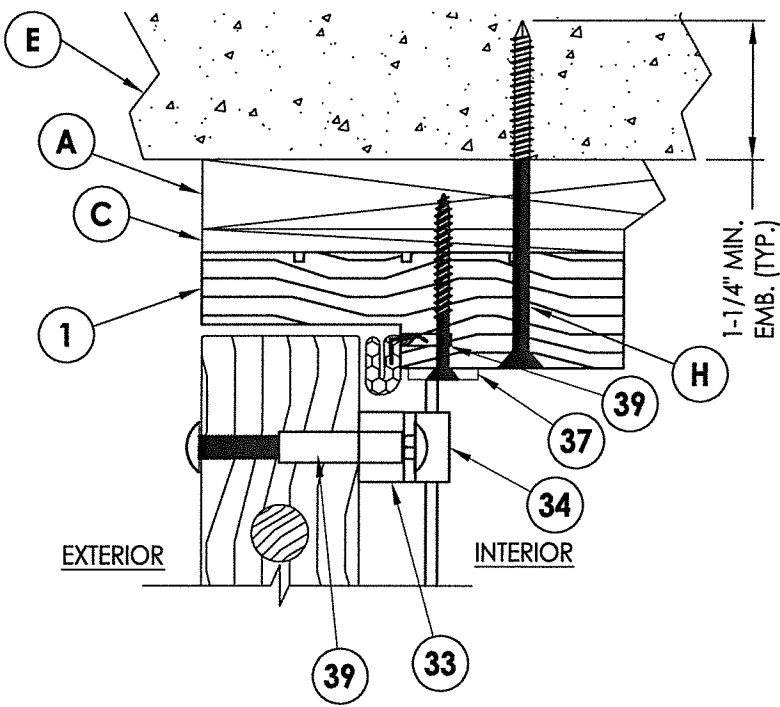
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
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1	10/08/17	UPDATE TO 6TH ED. (2017) FBC

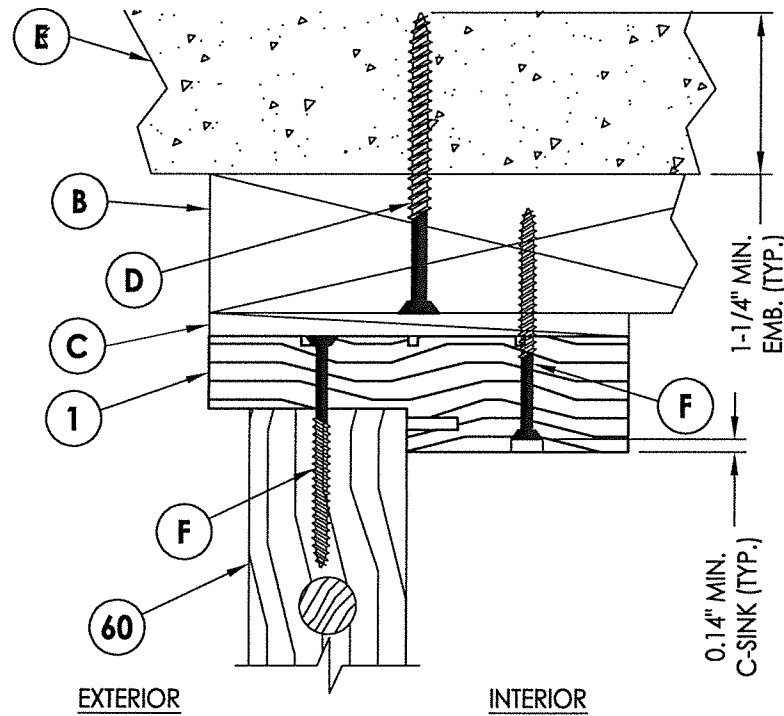
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SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17772.6
SHEET 3 OF 7



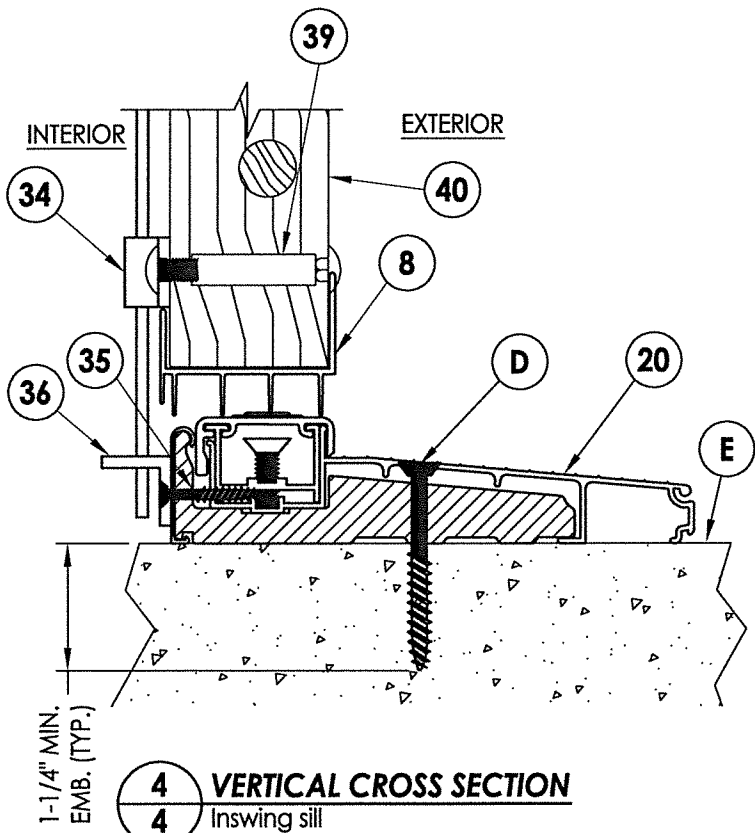
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4 **VERTICAL CROSS SECTION**
Inswing shown



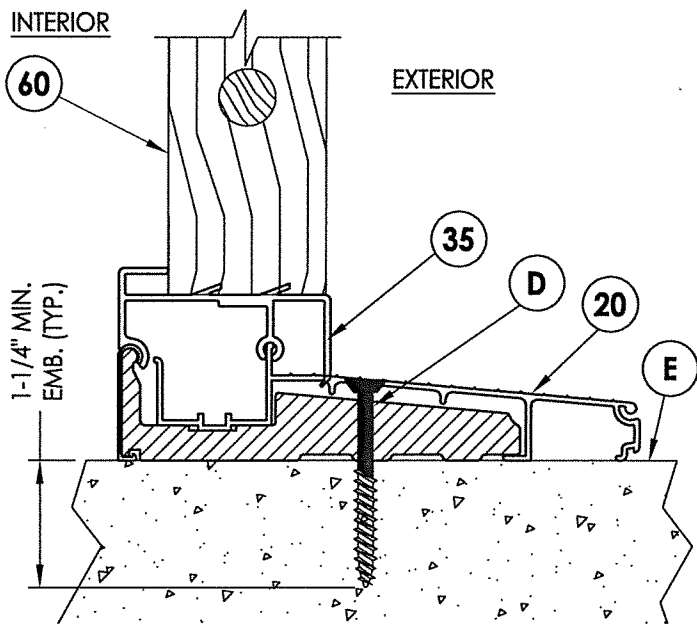
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4 **VERTICAL CROSS SECTION**
Outswing shown w/1X sub-buck



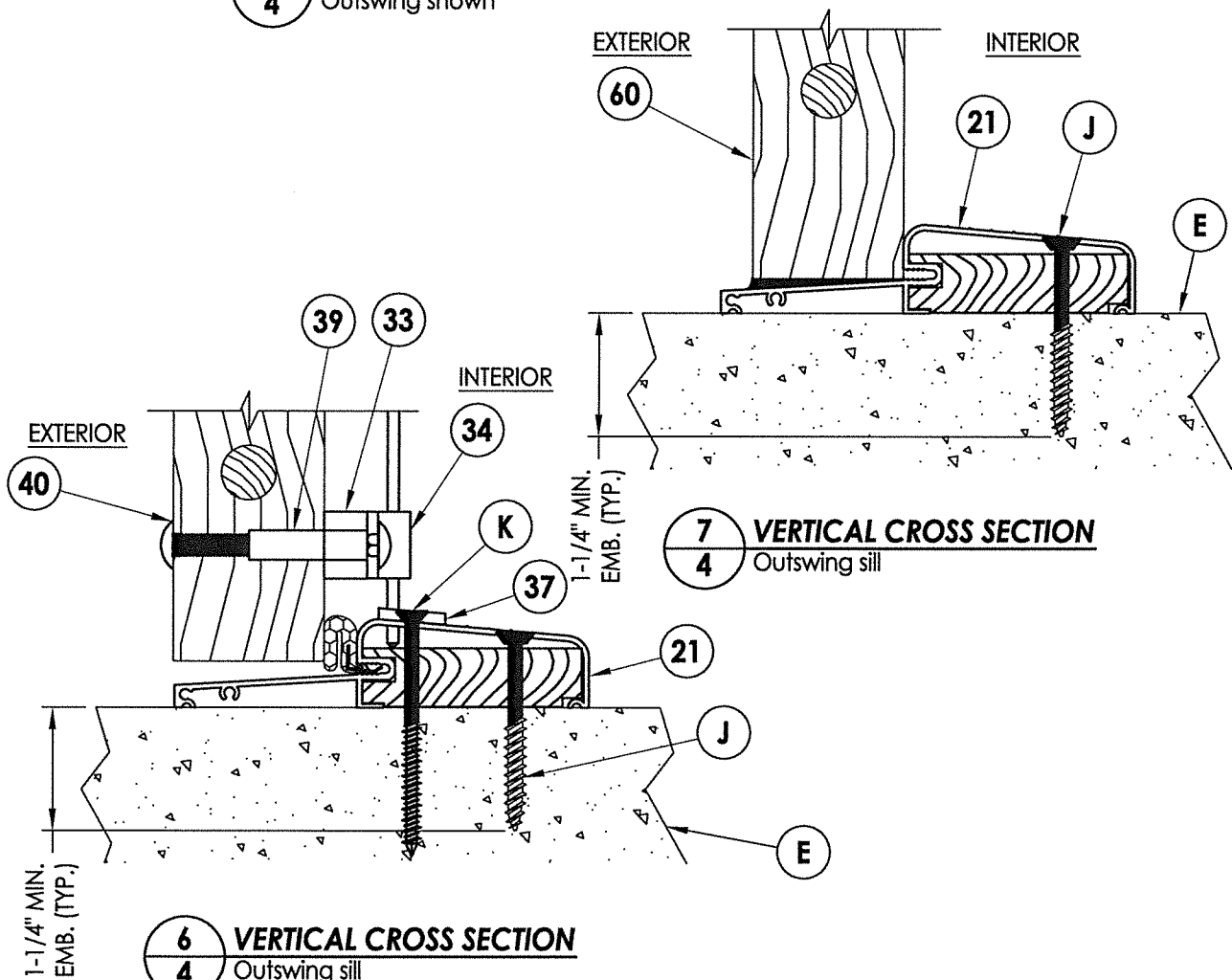
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4 **VERTICAL CROSS SECTION**
Outswing shown



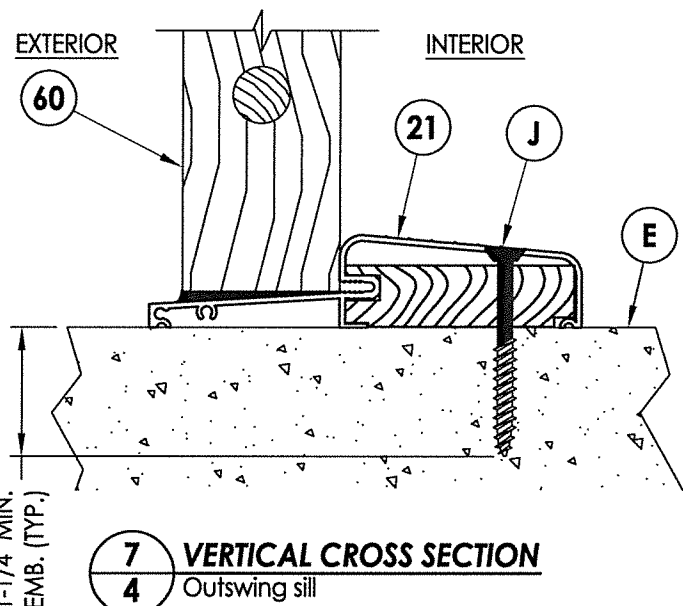
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4 **VERTICAL CROSS SECTION**
Inswing sill



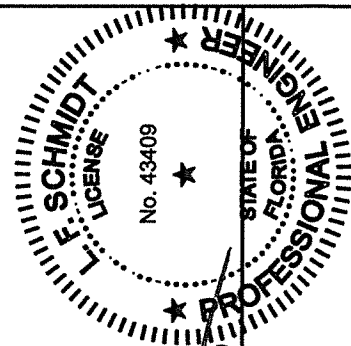
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4 **VERTICAL CROSS SECTION**
Inswing sill



6
4 **VERTICAL CROSS SECTION**
Outswing sill



7
4 **VERTICAL CROSS SECTION**
Outswing sill

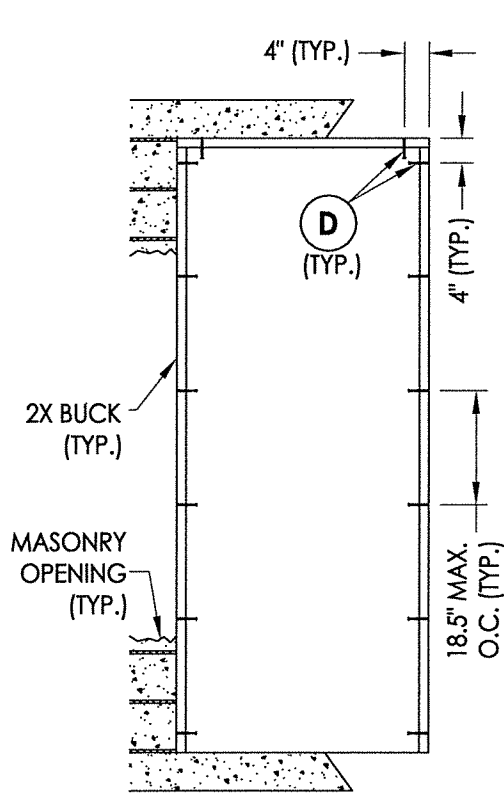


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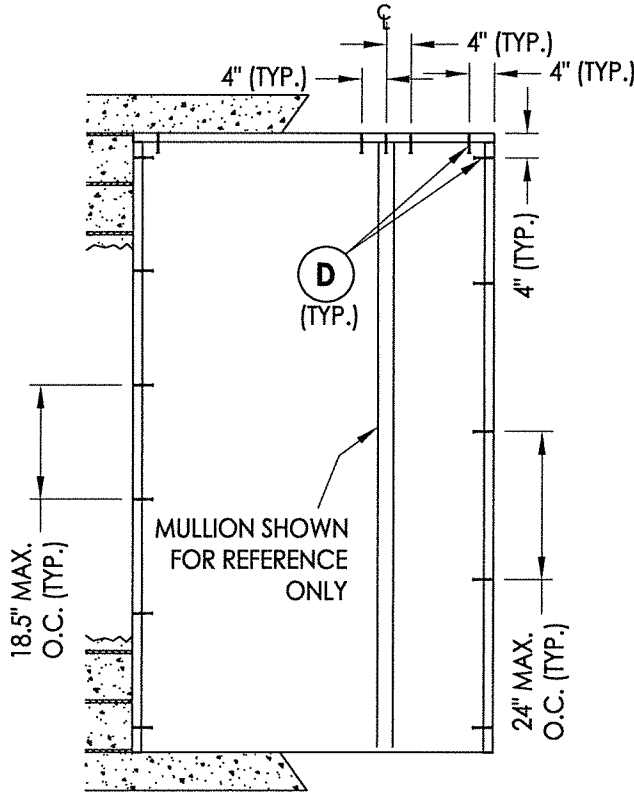
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		STEVE'S AND SONS WOOD DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
DATE:		12/2/15	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-17772.6	
SHEET		4 OF 7	

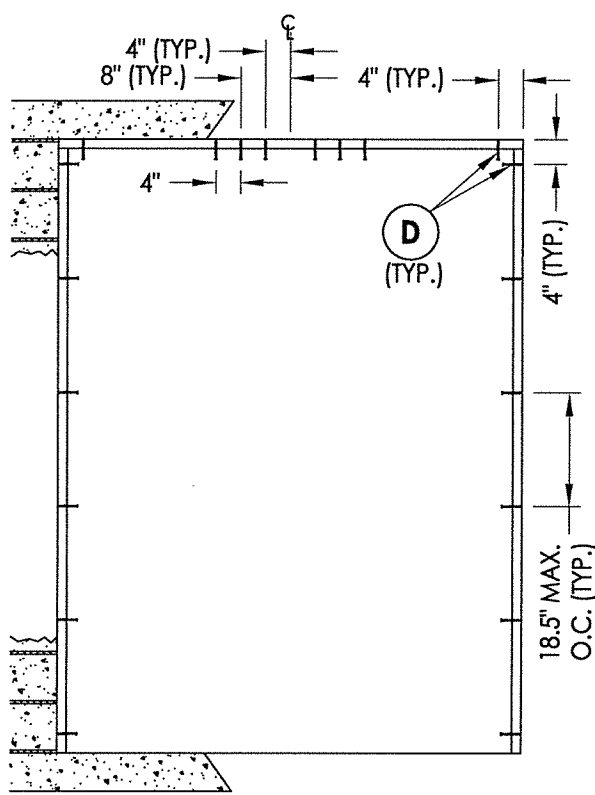
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X

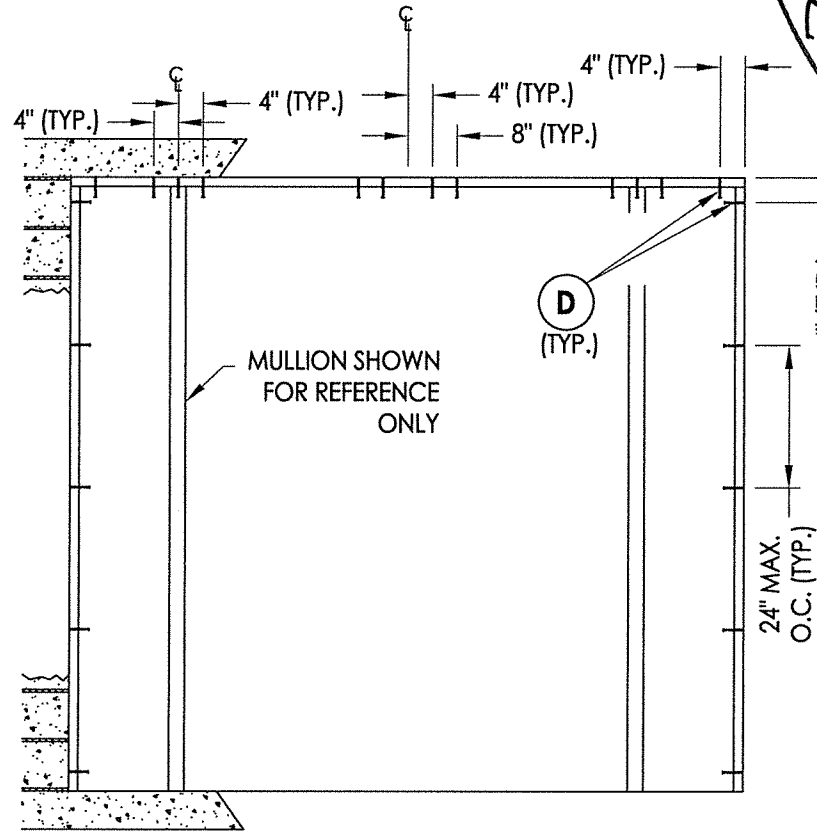


XO/OX

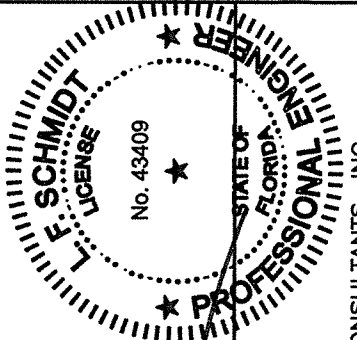


XX

2X BUCK ANCHORING



OXXO



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RW

PRODUCT:

STEVE'S AND SONS
WOOD DOOR

PART OR ASSEMBLY:

BUCK ANCHORING

DATE: 12/2/15

SCALE: N.T.S.

DWG. BY: JK

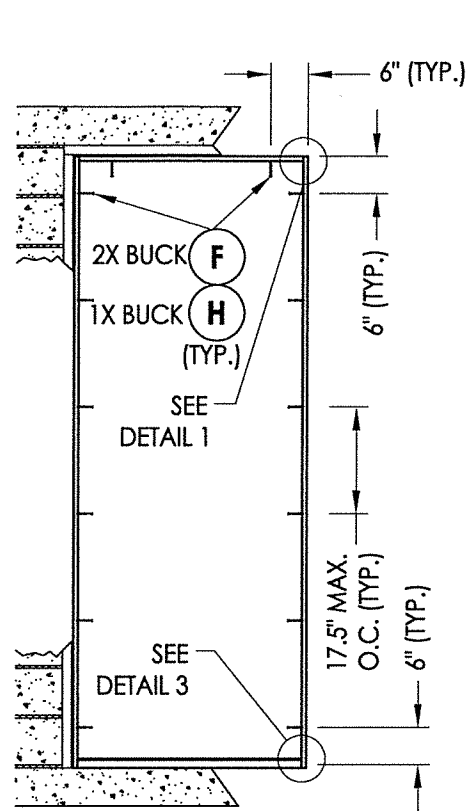
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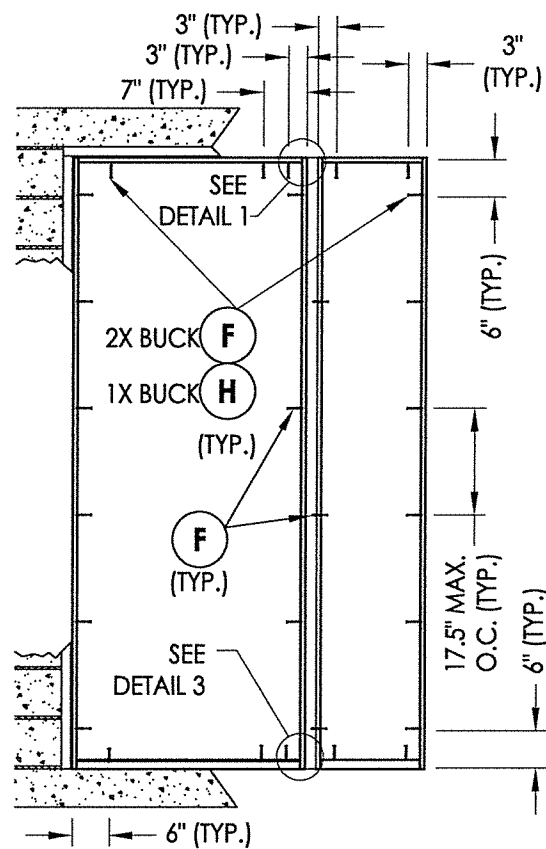
FL-17772.6

SHEET 5 OF 7

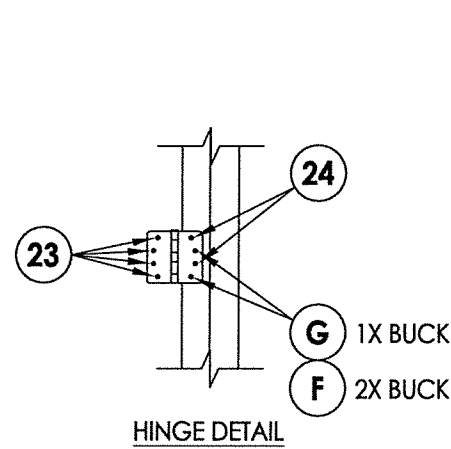
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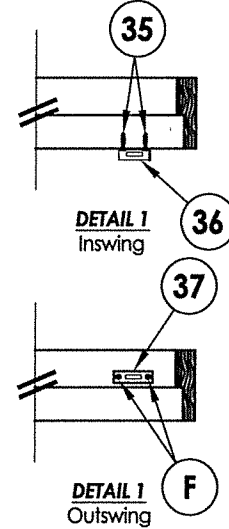
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XO/OX

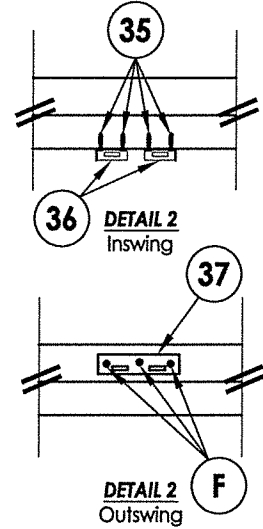


HINGE DETAIL



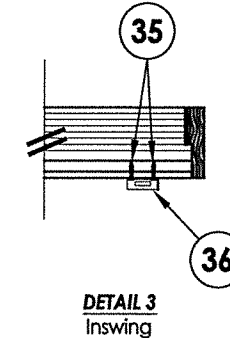
DETAIL 1
Inswing

DETAIL 1
Outswing

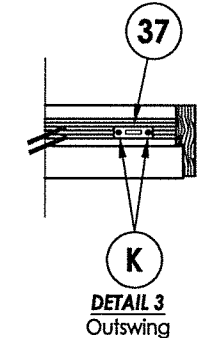


DETAIL 2
Inswing

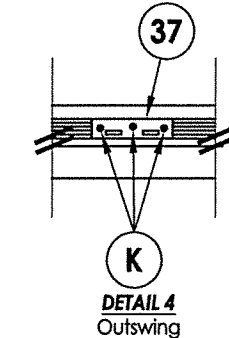
DETAIL 2
Outswing



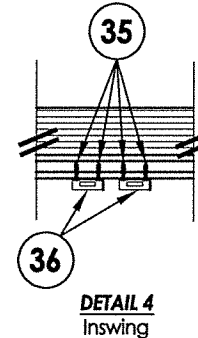
DETAIL 3
Inswing



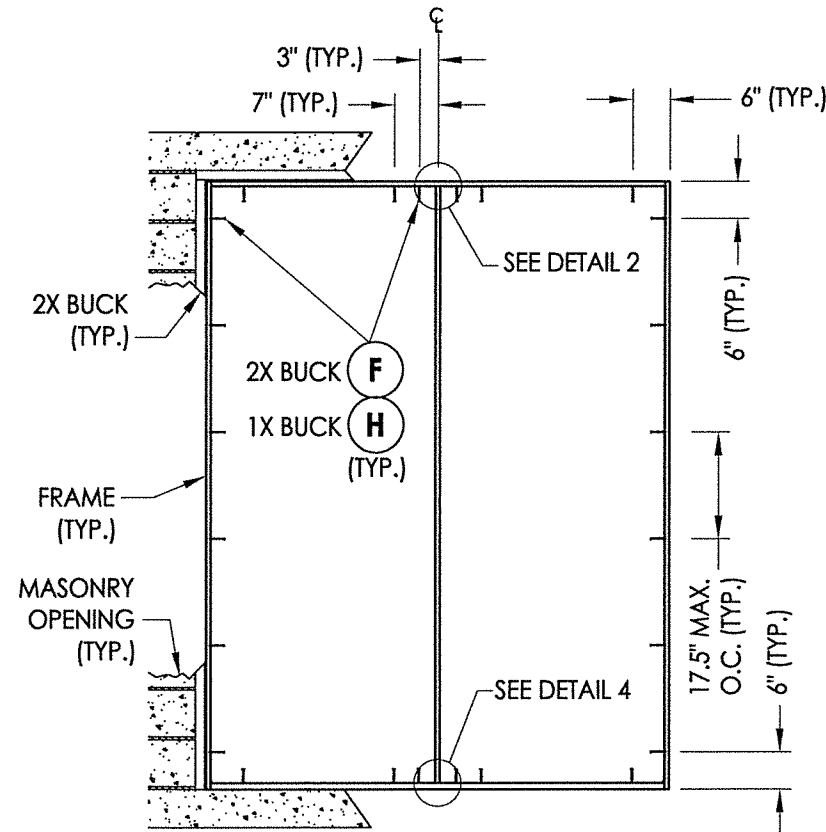
DETAIL 3
Outswing



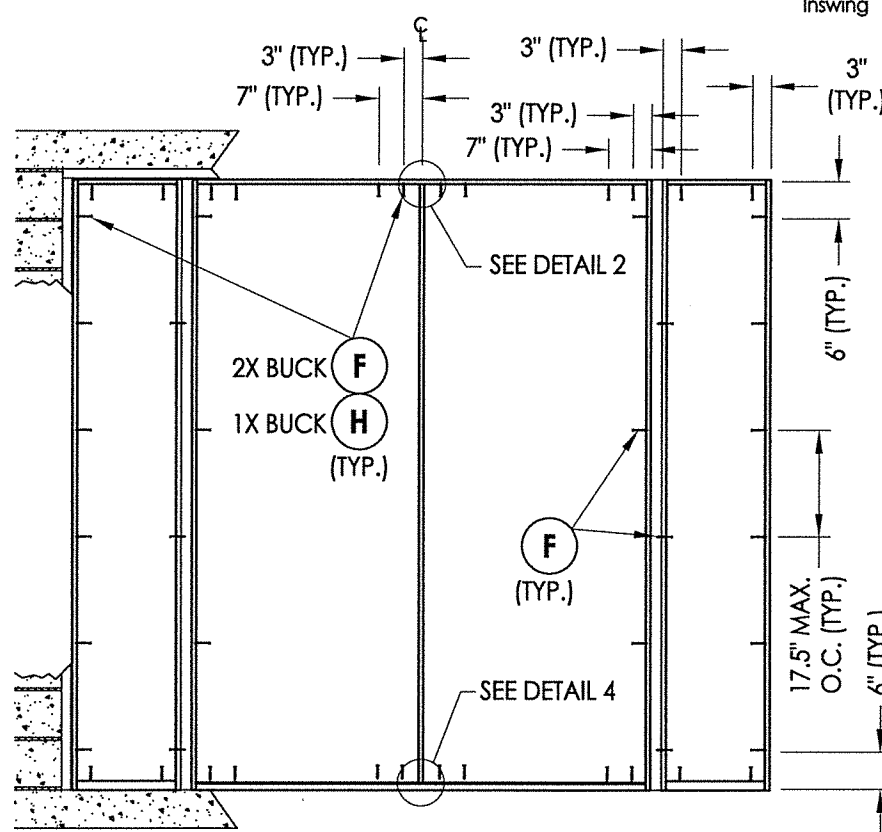
DETAIL 4
Outswing



DETAIL 4
Inswing

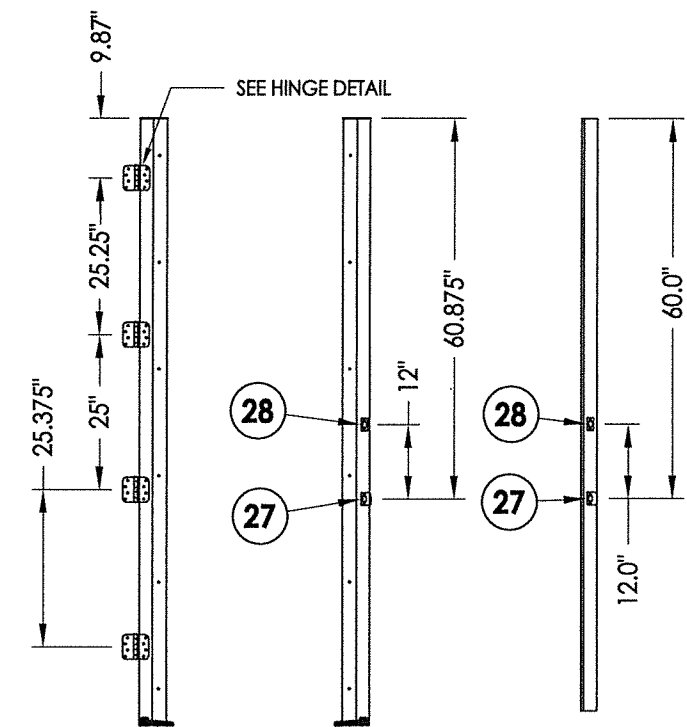


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OXOX

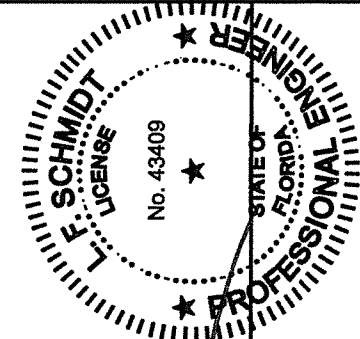
FRAME ANCHORING



HINGE JAMB

STRIKE JAMB

ASTRAGAL



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PRODUCT:
STEVES AND SONS
WOOD DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
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-17772.6
SHEET 6 OF 7

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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
X	1-3/4" X 4-5/8" DOUGLAS FIR MULLION (G >= 0.50)	WOOD
1	HEAD AND SIDE JAMB	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	WOOD
19	SIDELITE SPACER	PVC
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
60	SIDELITE PANEL	-

NOTE: WOOD DOOR COMPONENTS: DOUGLAS FIR (G >= 0.50)

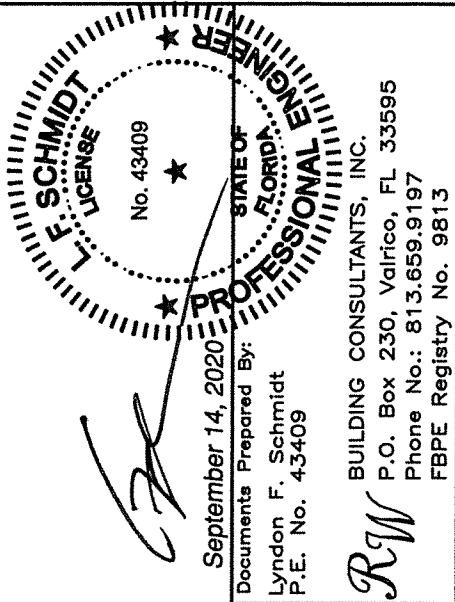
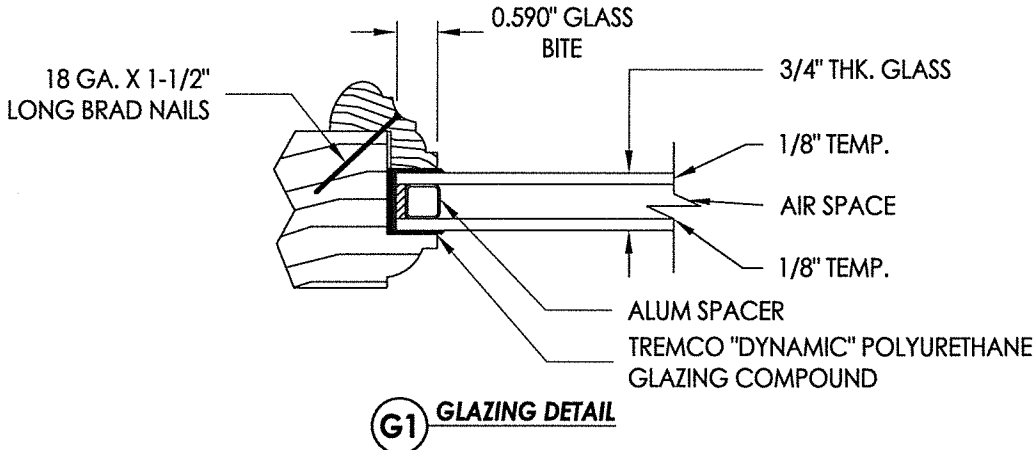
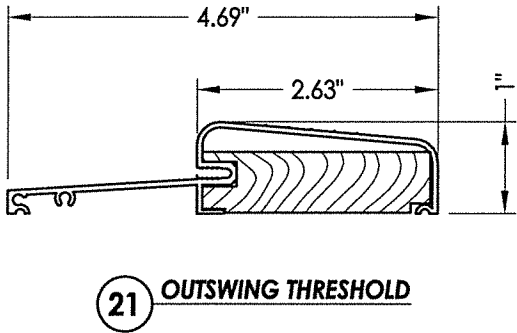
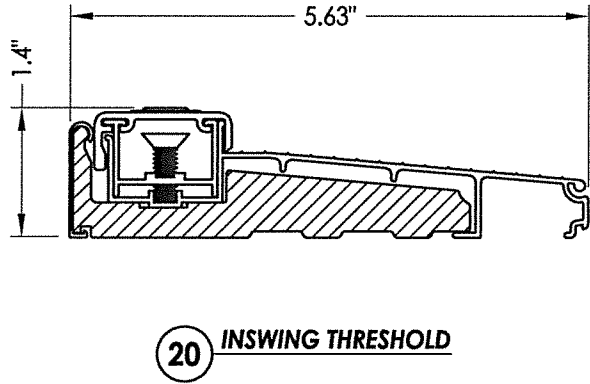
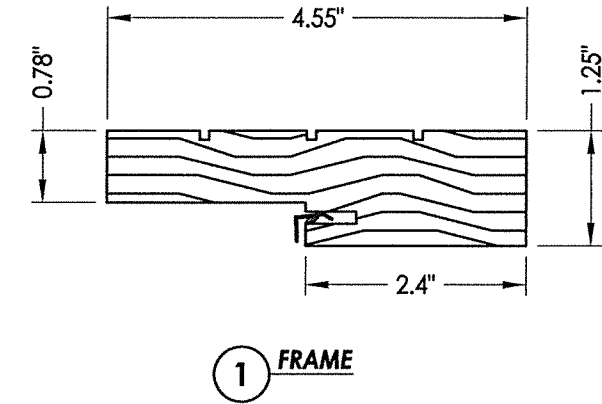
CONCRETE ANCHOR NOTES:

- 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 ULTRA CON®	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.



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PART OR ASSEMBLY:		BILL OF MATERIALS, COMPONENTS & GLAZING DETAIL	
		LFS	JK
		BY	
		REVISIONS	
		2	9/10/20
		1	10/08/17
		NO.	DATE
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SHEET		7	OF 7