



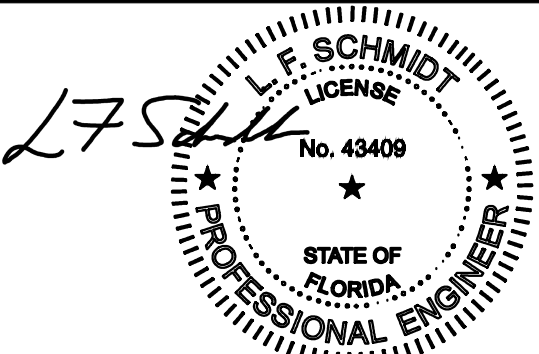
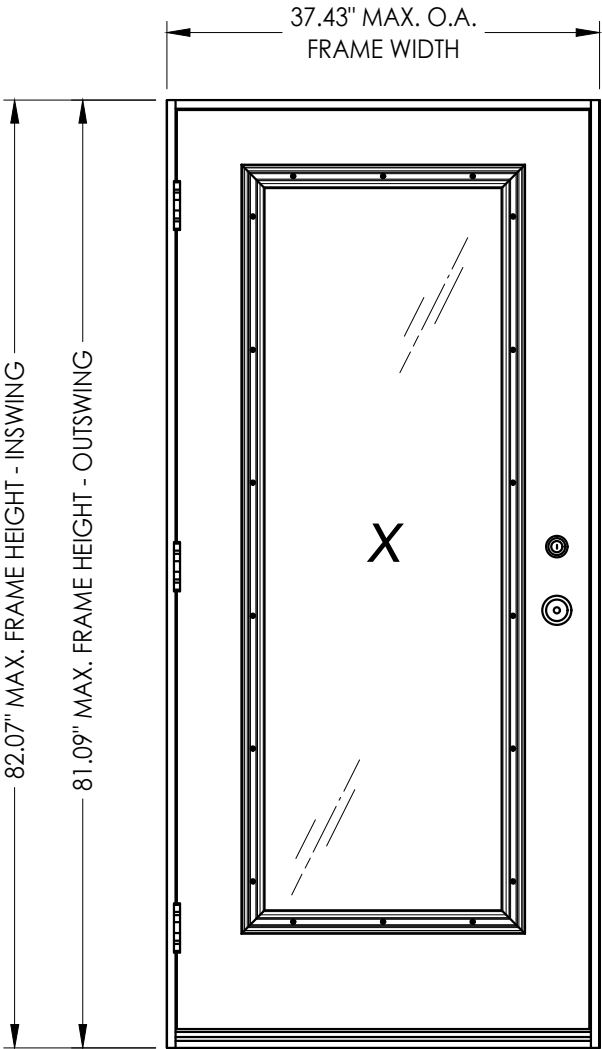
STEVE'S AND SONS
203 Humble Ave.
San Antonio, TX 78225

GLAZED FIBERGLASS DOOR
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

1. This product anchoring drawing has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) excluding the "High Velocity Hurricane Zone" (HVHZ). See the Certification Agency Certificate for sizes, specifications & 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.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel construction details & glazing detail
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring - 2X buck masonry construction
6	Frame anchoring - 1X buck masonry construction
7	Bill of materials & components



Digitally signed by Lyndon F Schmidt
Date: 2023.08.08 07:25:21 -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

SWING	MAX. FRAME DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
INSWING	37.43" x 82.07"	G1	+47.0	-47.0
OUTSWING	37.43" x 81.09"		+47.0	-47.0

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

PRODUCT: STEVE'S AND SONS

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

REVISIONS

DATE: 7/18/15

SCALE: N.T.S.

DWG. BY: JK

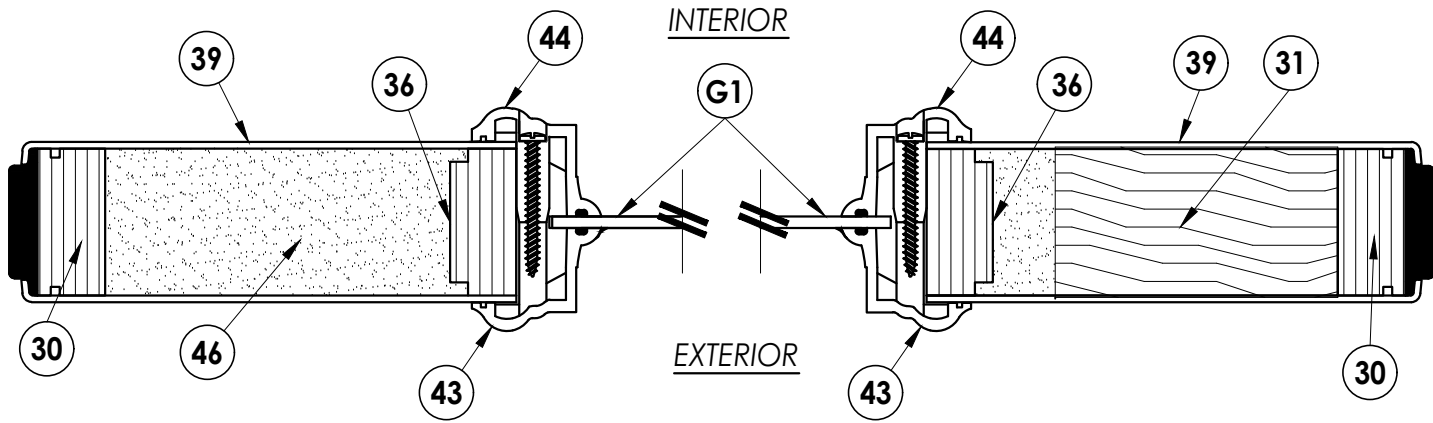
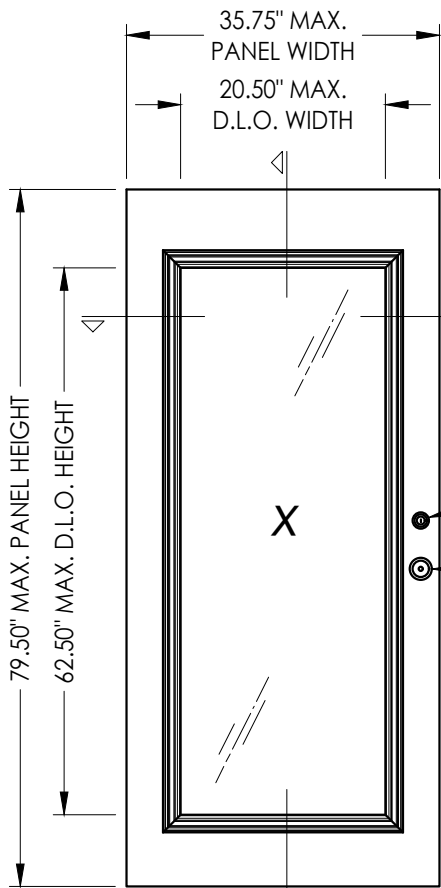
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DRAWING NO.: FL-17901.11

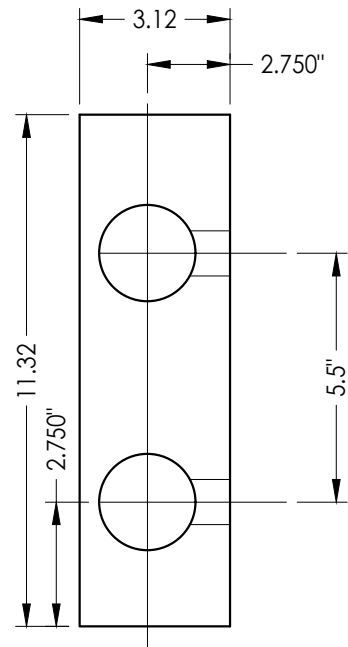
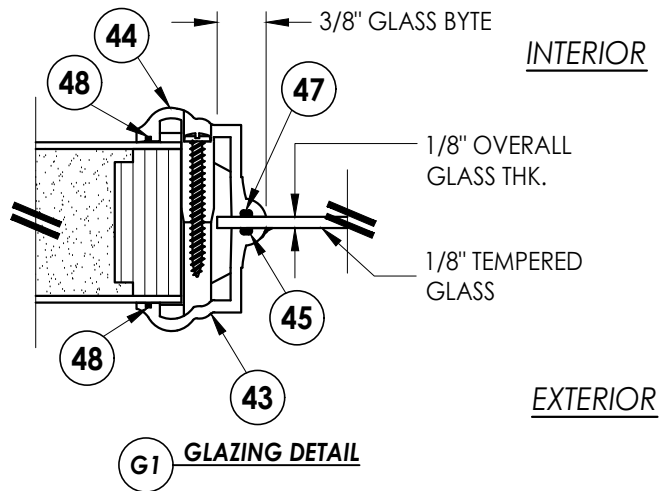
SHEET 1 OF 7

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

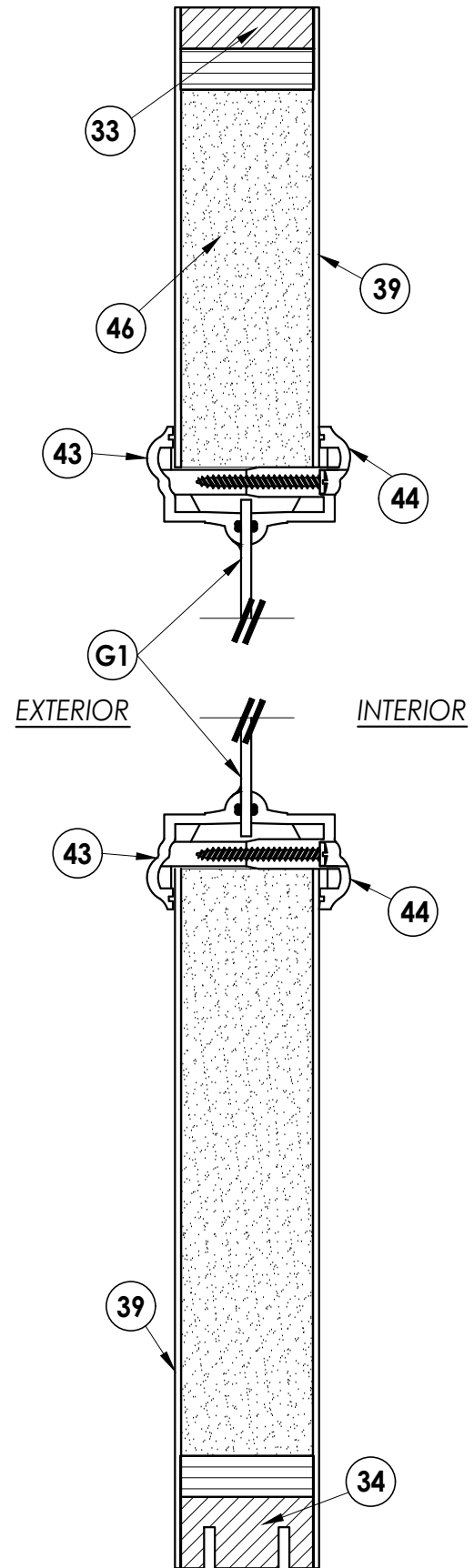
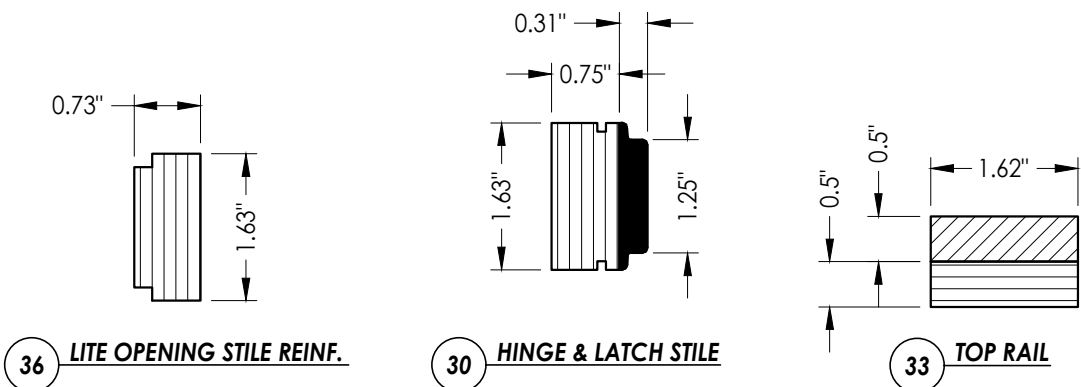
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1
2 HORIZONTAL CROSS SECTION



31 LOCK BLOCK DETAIL
1.67" thick



2
2 VERTICAL CROSS SECTION

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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

PART OR ASSEMBLY:
DOOR PANEL CONSTRUCTION
DETAILS & GLAZING DETAIL

NO.	DATE	REVISIONS
3	8/07/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	10/08/17	UPDATE TO 6TH ED. (2017) FBC JK
		BY

DATE: 7/18/15

SCALE: N.T.S.

DWG. BY: JK

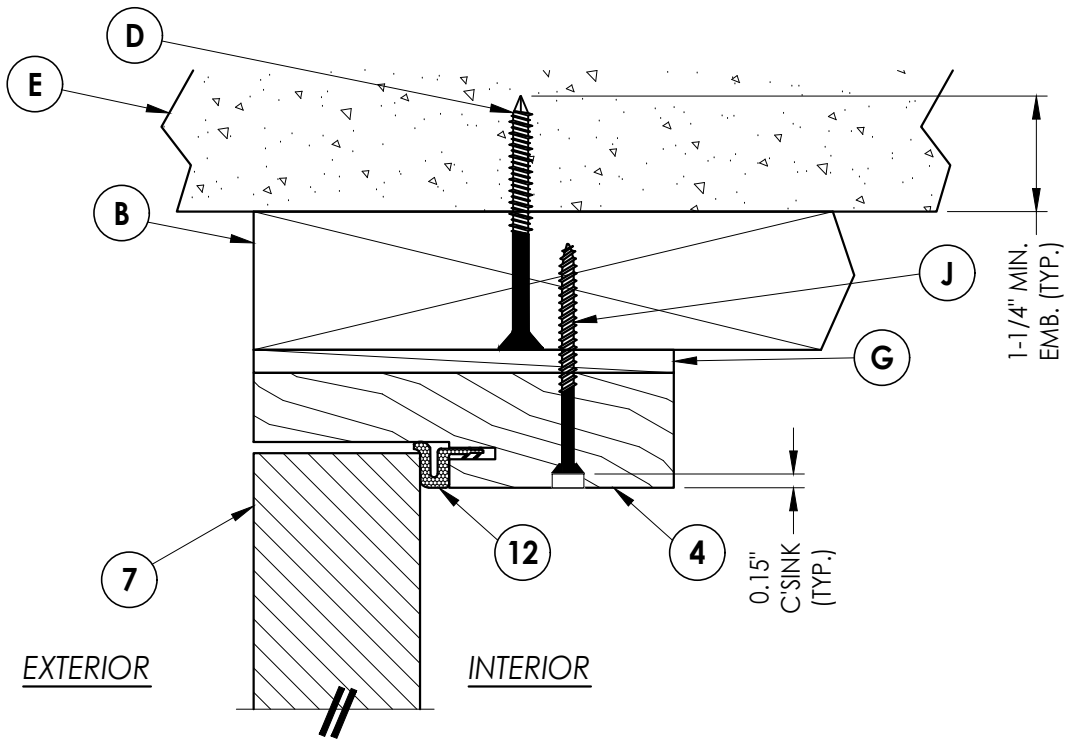
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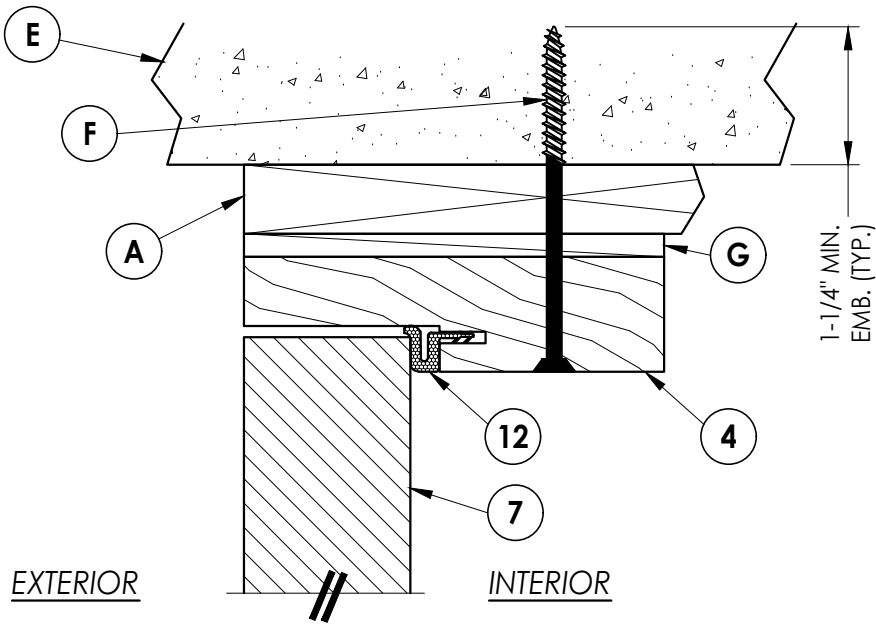
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SHEET 2 OF 7

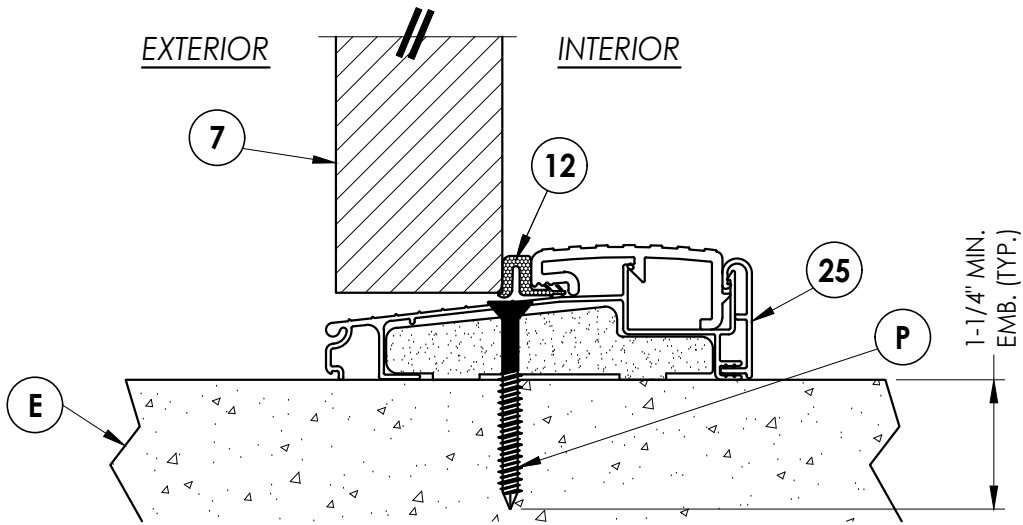
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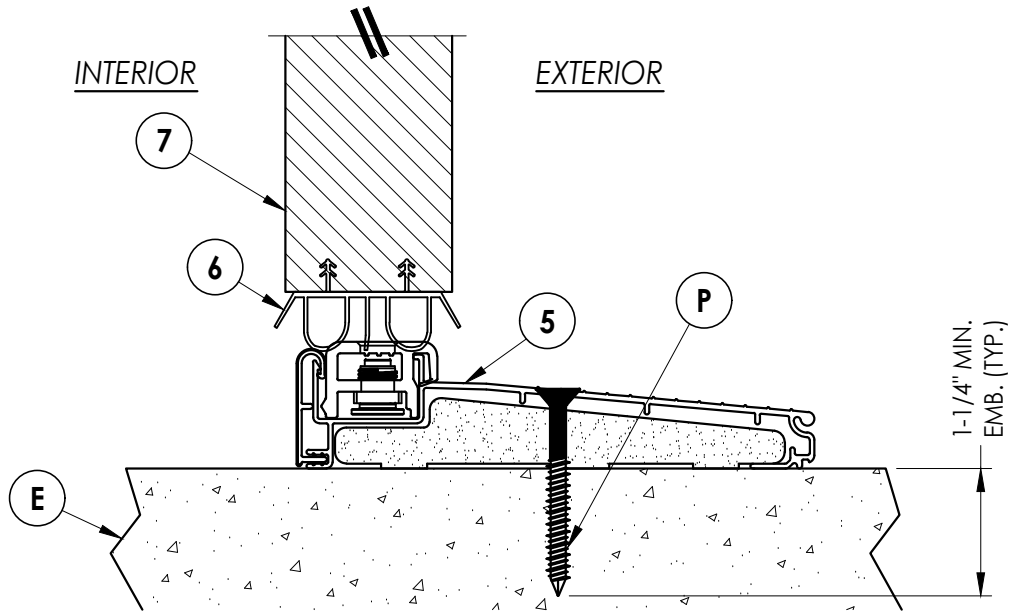
1
4 **VERTICAL CROSS SECTION**
Outswing shown - inswing
also approved



2
4 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



3
4 **VERTICAL CROSS SECTION**
Outswing sill



4
4 **VERTICAL CROSS SECTION**
Inswing sill

Documents Prepared By:
Lyndon F. Schmidt
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: STEVES AND SONS

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO	DATE	BY	REVISIONS
3	8/07/23	LFS	UPDATE TO 8TH ED. (2023) FBC
2	9/16/20	LFS	UPDATE TO 7TH ED. (2020) FBC
1	10/08/17	JK	UPDATE TO 6TH ED. (2017) FBC

DATE: 7/18/15

SCALE: N.T.S.

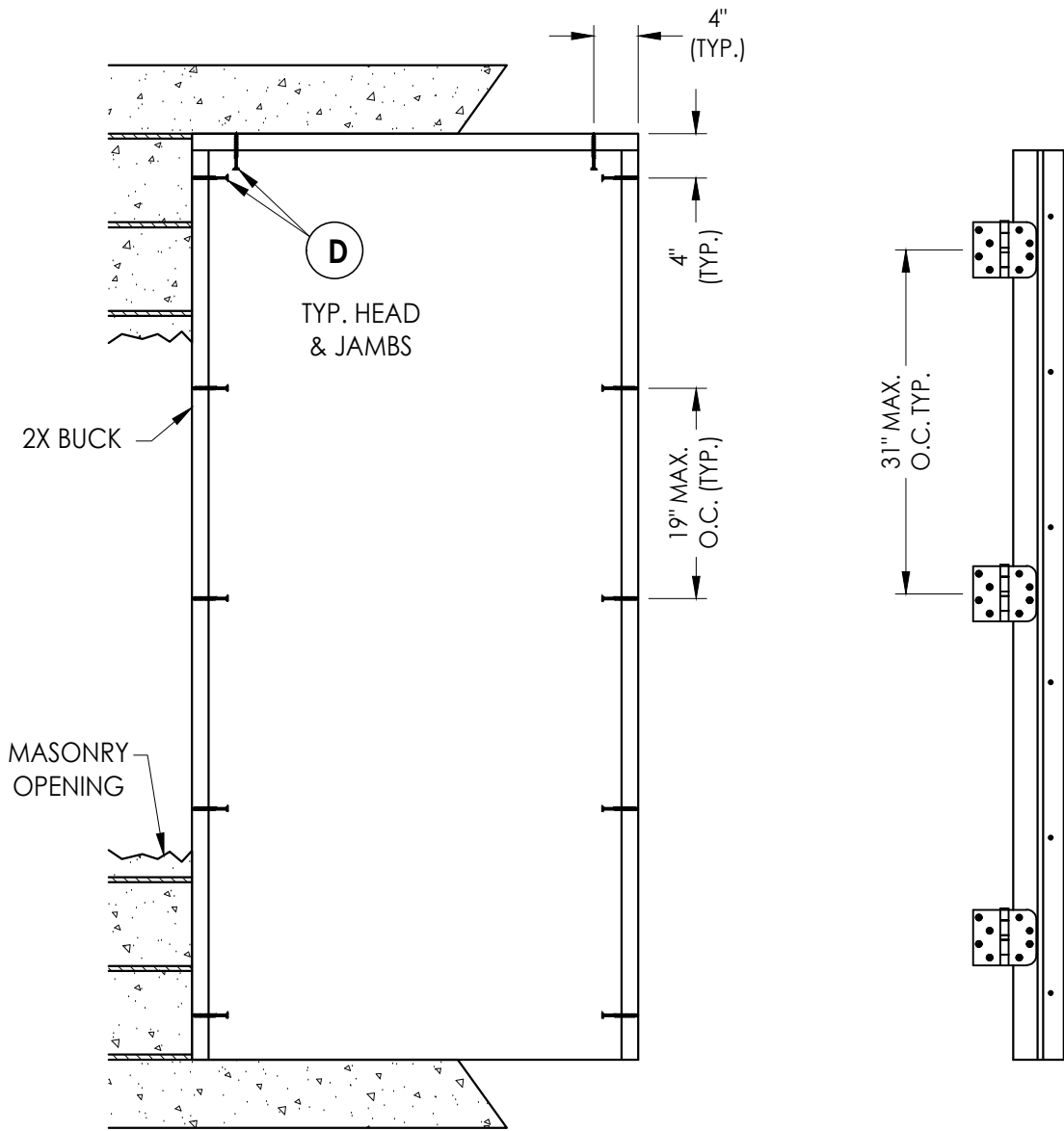
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FL-17901.11

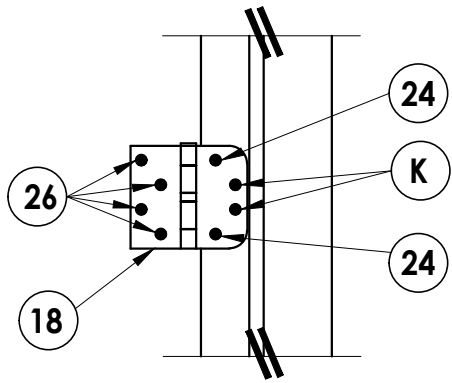
SHEET 4 OF 7

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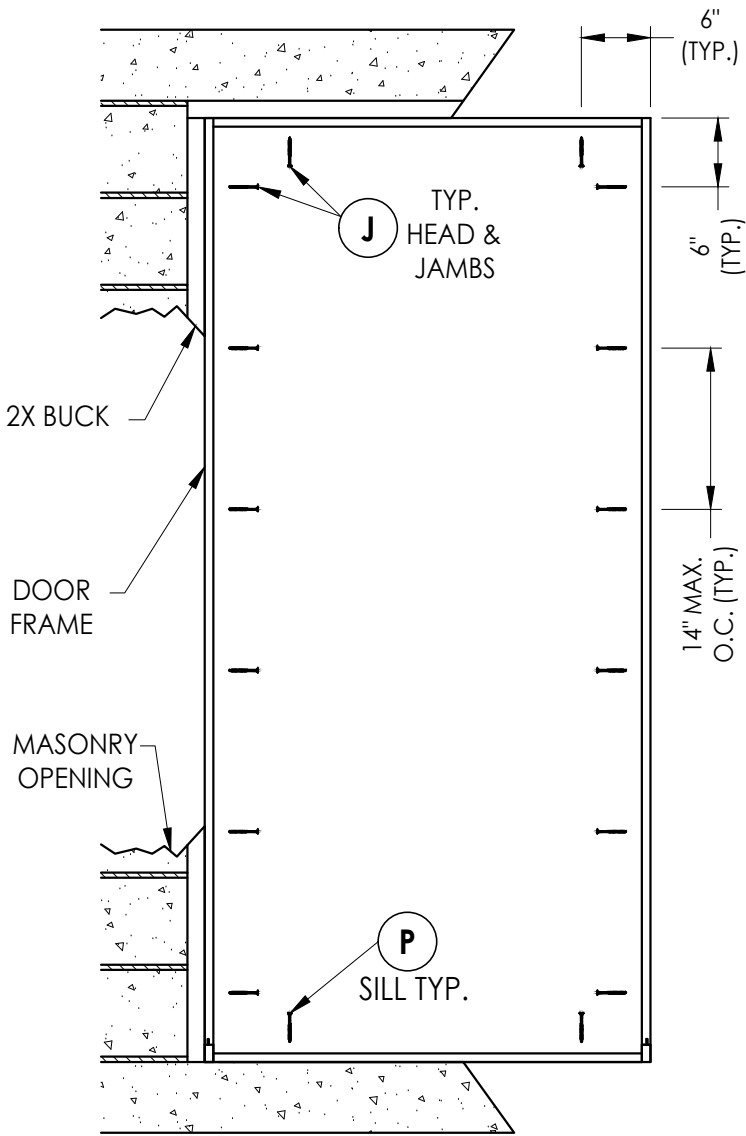


BUCK ANCHORING

HINGE JAMB

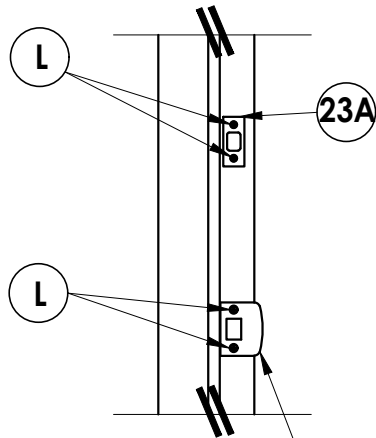


HINGE DETAIL



FRAME ANCHORING
Masonry 2x buck construction

STRIKE JAMB



STRIKE PLATE DETAIL

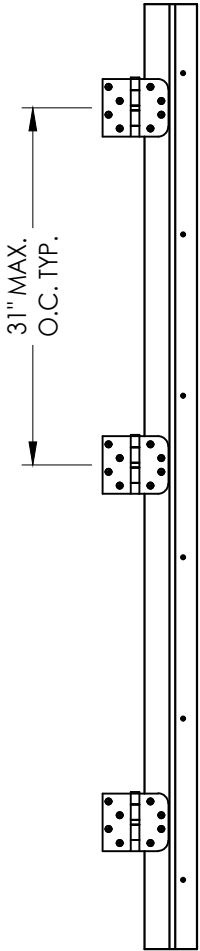
NO.	DATE	REVISIONS
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2	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	10/08/17	UPDATE TO 6TH ED. (2017) FBC JK

DATE:	7/18/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17901.11
SHEET	5 OF 7

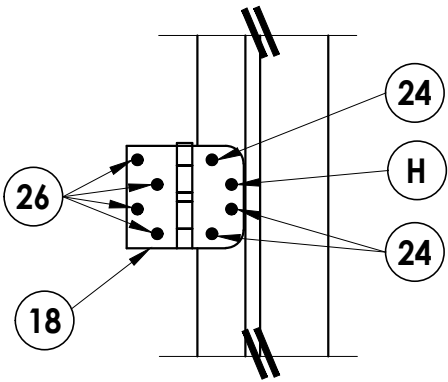
PRODUCT:	STEVES AND SONS
PART OR ASSEMBLY:	BUCK AND FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION

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

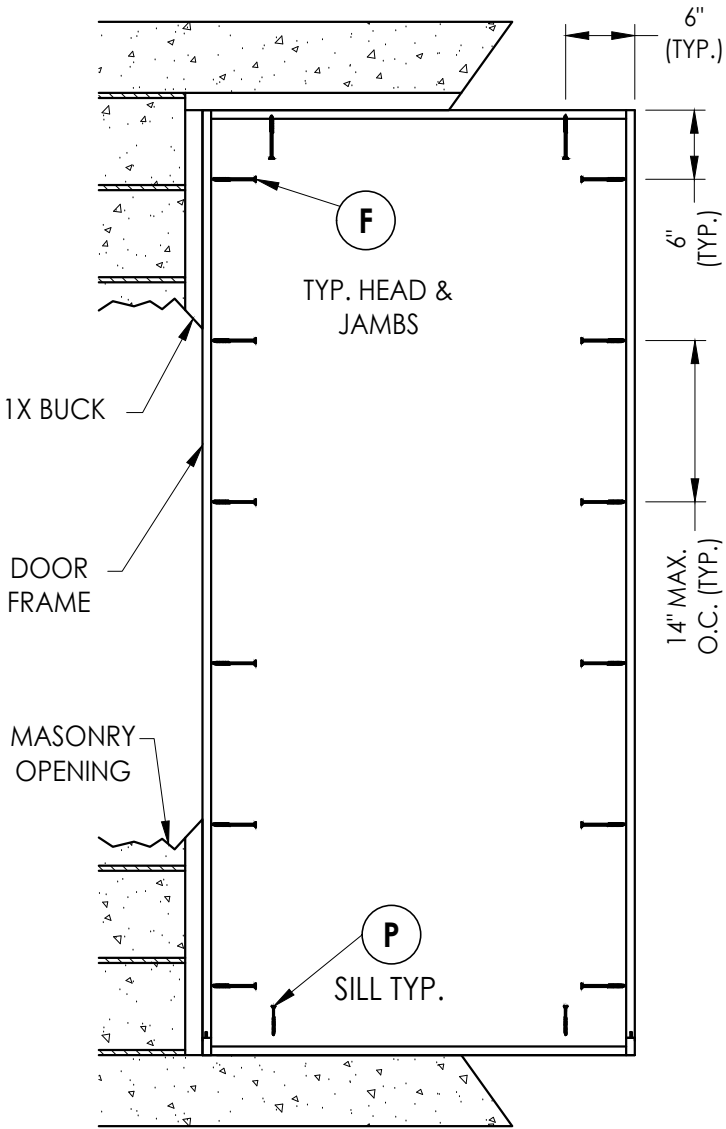
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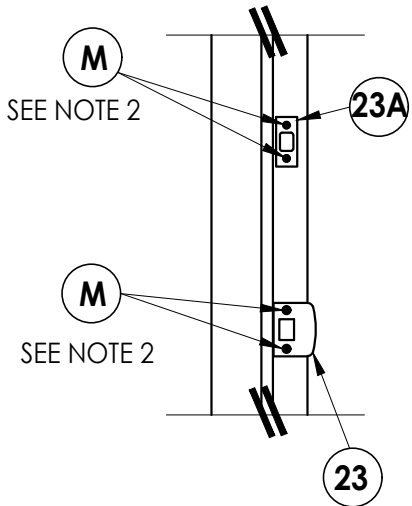
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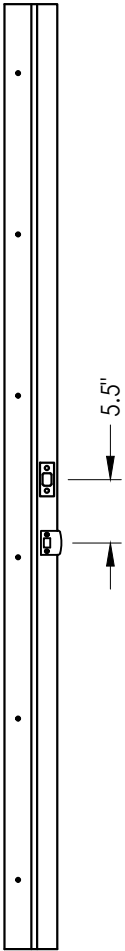
HINGE DETAIL



FRAME ANCHORING
Masonry 1X buck construction



STRIKE PLATE DETAIL



STRIKE JAMB

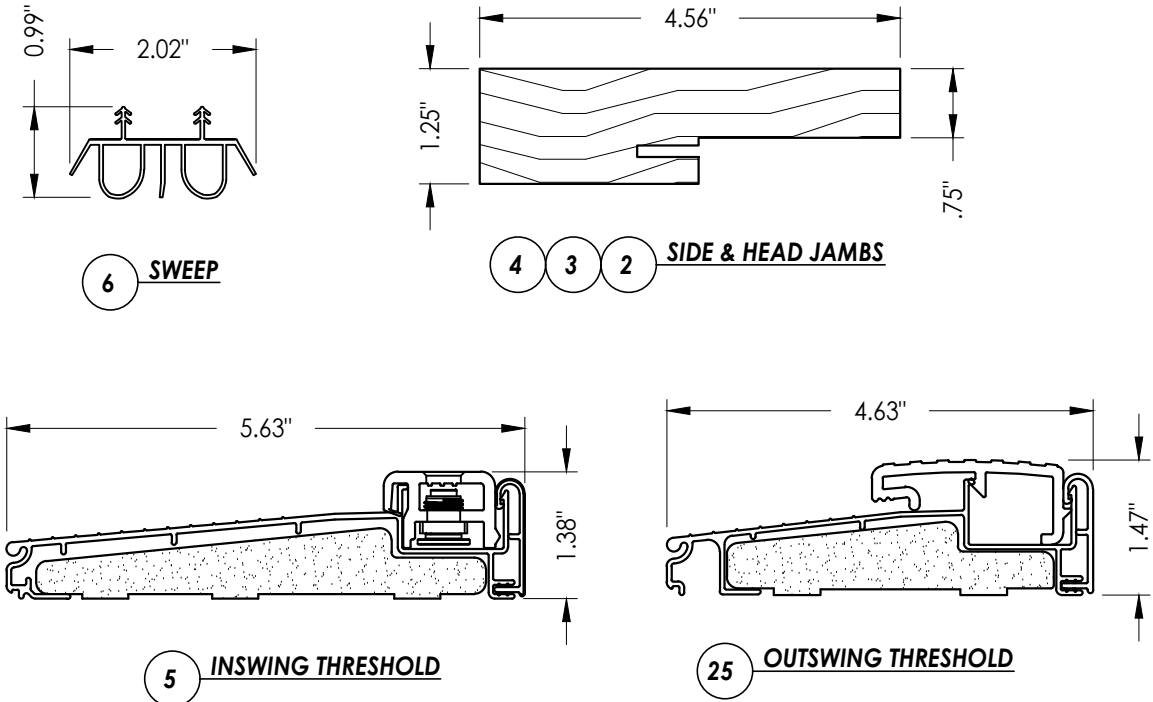
DATE:	7/18/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17901.11
SHEET	6 OF 7

PRODUCT:	STEVES AND SONS
PART OR ASSEMBLY:	FRAME ANCHORING 1X BUCK MASONRY CONSTRUCTION

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
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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
D	1/4" X 2-3/4" DeWALT PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" ITW PFH CONCRETE SCREW	STEEL
G	MAX. 1/4" SHIM SPACE	WOOD
H	1/4" X 3-1/4" ITW PFH CONCRETE SCREW	STEEL
J	#10 X 2-1/2" PFH WS (1-1/8" MIN. EMBEDMENT)	STEEL
K	#9 X 2" PFH WS	STEEL
L	#8 X 2-1/2" PFH WS	STEEL
M	3/16" X 3-1/4" ITW PFH CONCRETE SCREW	STEEL
P	1/4" X 2-1/4" ITW PFH CONCRETE SCREW	STEEL
2	STRIKE JAMB - FINGER-JOINT PINE - SG >= 0.42	WOOD
3	HINGE JAMB - FINGER-JOINT PINE - SG >= 0.42	WOOD
4	HEAD - FINGER-JOINT PINE - SG >= 0.42	WOOD
5	INSWING THRESHOLD ALUMINUM W/ COMPOSITE SUBSTRATE	ALUM/COMP.
6	DOOR BOTTOM SWEEP	PVC
7	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
12	WEATHER STRIP QEBD650 Q-LON	-
18	4" HINGE	STEEL
21	KWIKSET LOCK -SERIES 200 PASSAGE	STEEL
22	KWIKSET DEADBOLT -SERIES 600	STEEL
23	STRIKE PLATE	STEEL
23A	DEADBOLT STRIKE	STEEL
24	#9 X 5/8" PFH WS	STEEL
25	OUTSWING THRESHOLD ALUMINUM W/ COMPOSITE SUBSTRATE	ALUM./ COMP.
26	#9 X 1" PFH WS	STEEL
30	LATCH AND HINGE STILE - SG >= 0.42	LVL/PVC
31	LOCK BLOCK	WOOD
33	TOP RAIL - POPLAR LVL & WPC COMBINATION	POPLAR/WPC
34	BOTTOM RAIL - POPLAR LVL & WPC COMBINATION	POPLAR/WPC
36	LITE OPENING STILE REINF. - SG>= 0.42	WOOD
39	FIBERGLASS SKIN 0.079" MIN. THICKNESS (Fy = 5,200 PSI MIN.)	FIBERGLASS
40	#8 X 1-1/2" PANHEAD SMS (LIGHT FRAME SCREW)	STEEL
43	FEMALE LITE FRAME	PC/ASA
44	MALE LITE FRAME	PC/ASA
45	HOT MELT SEALANT	BUTYL
46	INSULATING FOAM CORE	POLYURETHANE
47	SILICONE SEALANT	SILICONE
48	PL PREMIUM POLYURETHANE ADHESIVE	POLYURETHANE



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.

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PRODUCT: STEVES AND SONS		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS		
3	8/07/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
2	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC	JK
NO.	DATE			BY
REVISIONS				
DATE: 7/18/15				
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-17901.11				
SHEET 7 OF 7				