



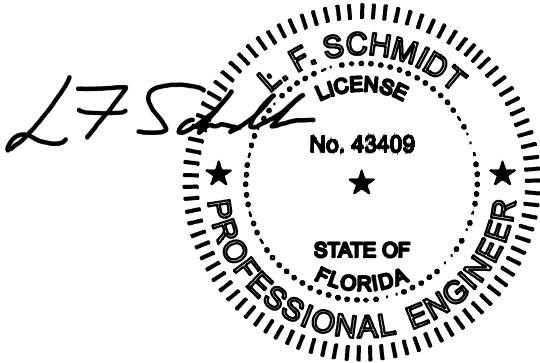
STEVES AND SONS
203 Humble Ave.
San Antonio, TX 78225

OPAQUE STEEL DOOR w/ SIDELITES
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

- 1. This product anchoring drawing has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) 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.

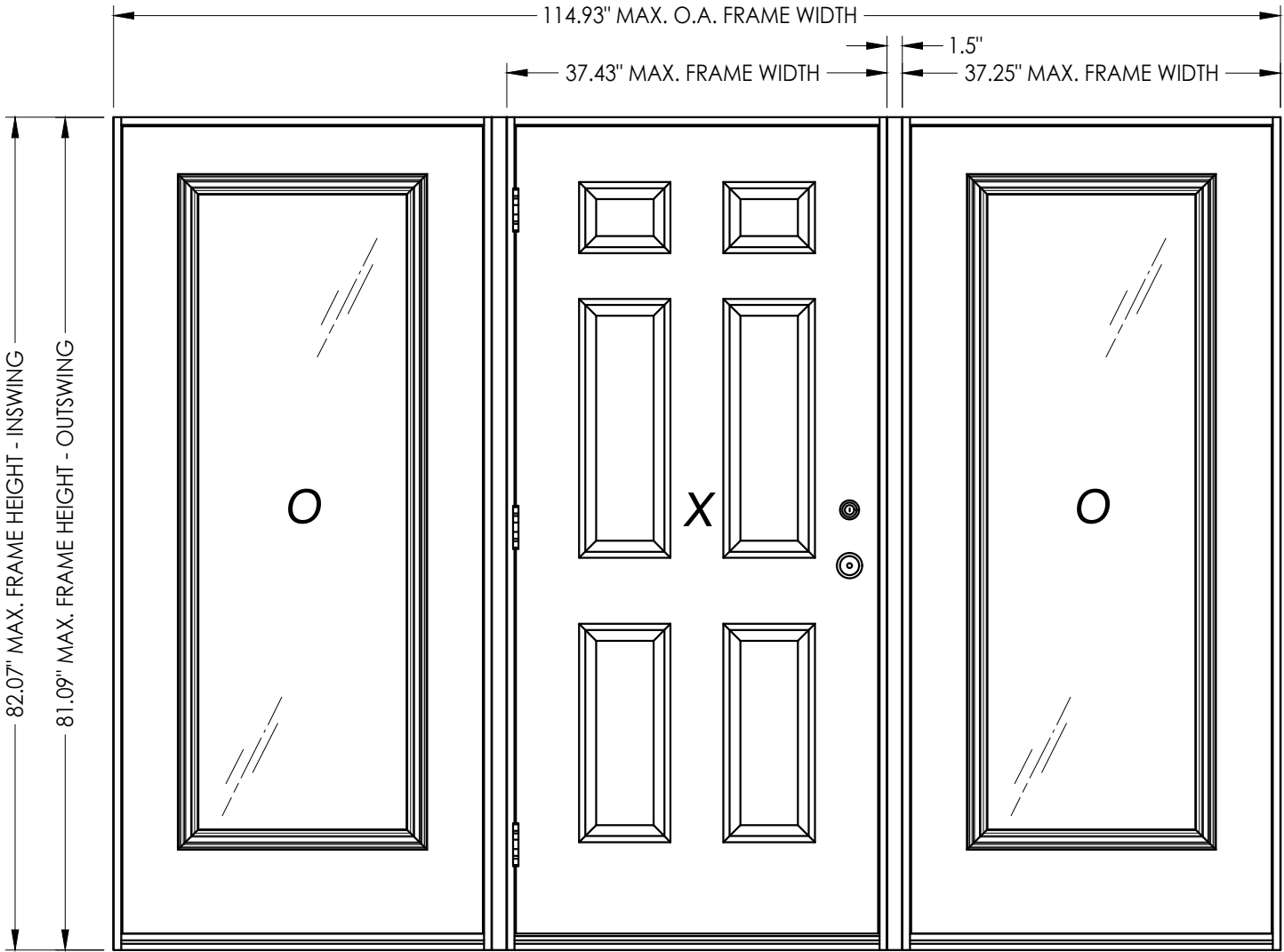
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel construction details
3	Sidelite panel construction details & glazing detail
4	Horizontal cross sections
5	Vertical cross sections
6	Vertical cross sections
7	Buck and frame anchoring - 2X buck masonry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



Digitally signed by
Lyndon F Schmidt
Date: 2026.07.07
14:54:03 -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	114.93" x 82.07"	G1	+47.0	-47.0
OUTSWING	114.93" x 81.09"		+47.0	-47.0

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

PRODUCT:

STEVES AND SONS

DATE:

7/18/15

SCALE:

N.T.S.

DWG. BY:

JK

CHK. BY:

LFS

DRAWING NO.:

FL-17903.5

SHEET

1

OF

9

Part or Assembly:

TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

REVISIONS

NO.	DATE	BY
4	7/01/26	UPDATE TO 9TH ED. (2026) FBC
3	8/07/23	UPDATE TO 8TH ED. (2023) FBC
2	9/16/20	UPDATE TO 7TH ED. (2020) FBC
1	10/08/17	UPDATE TO 6TH ED. (2017) FBC

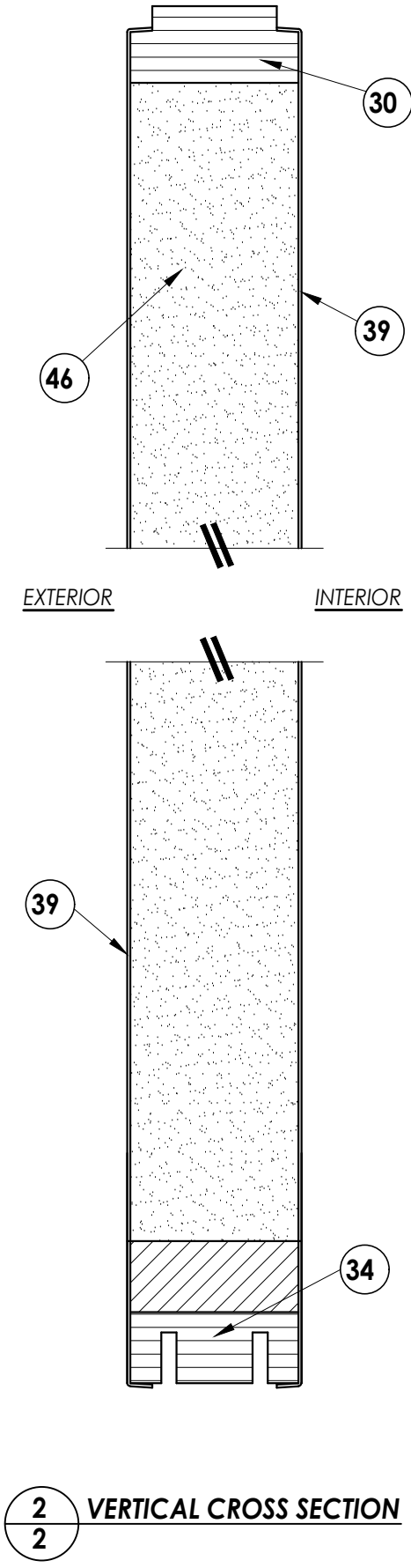
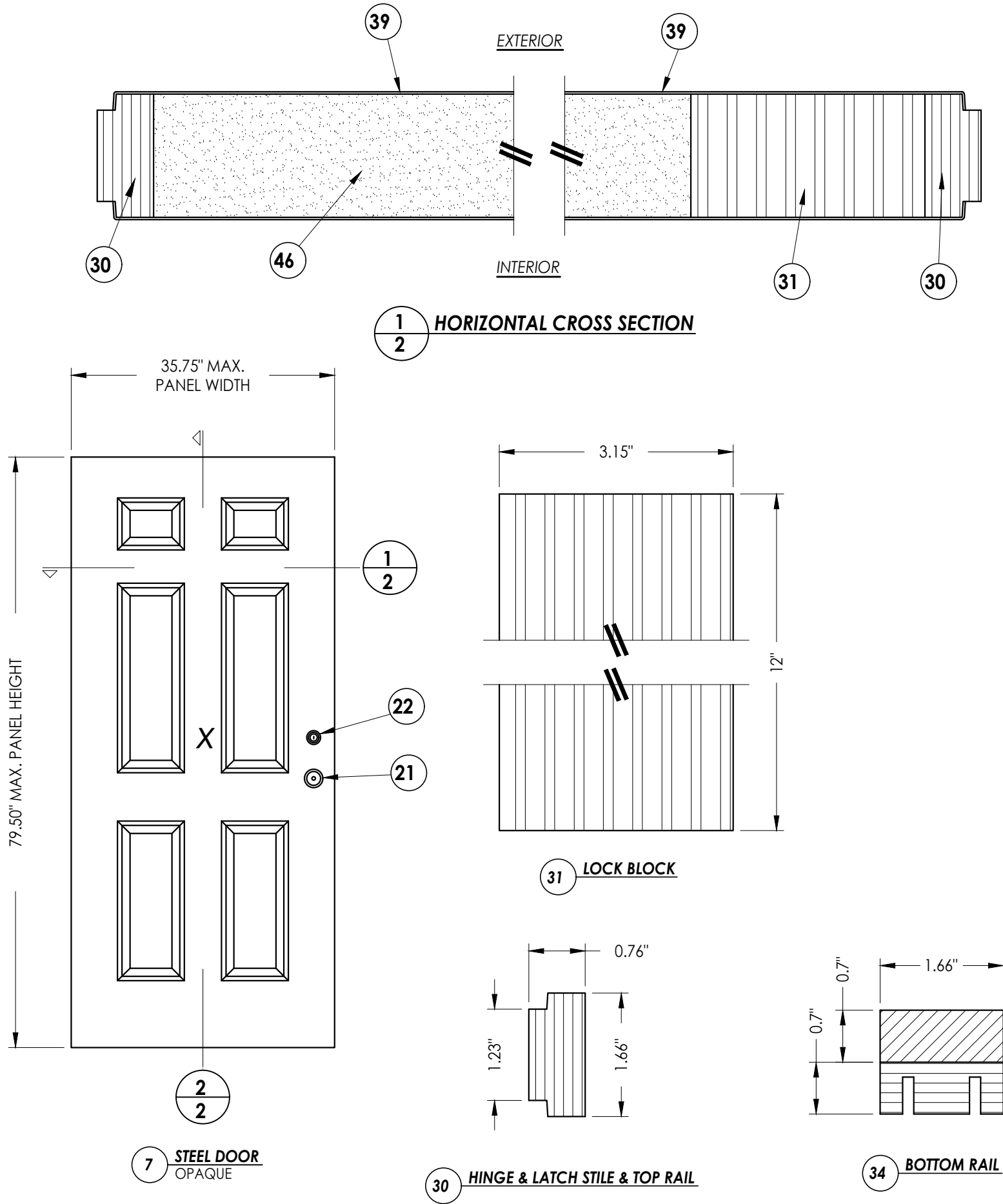
Building Consultants, Inc.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

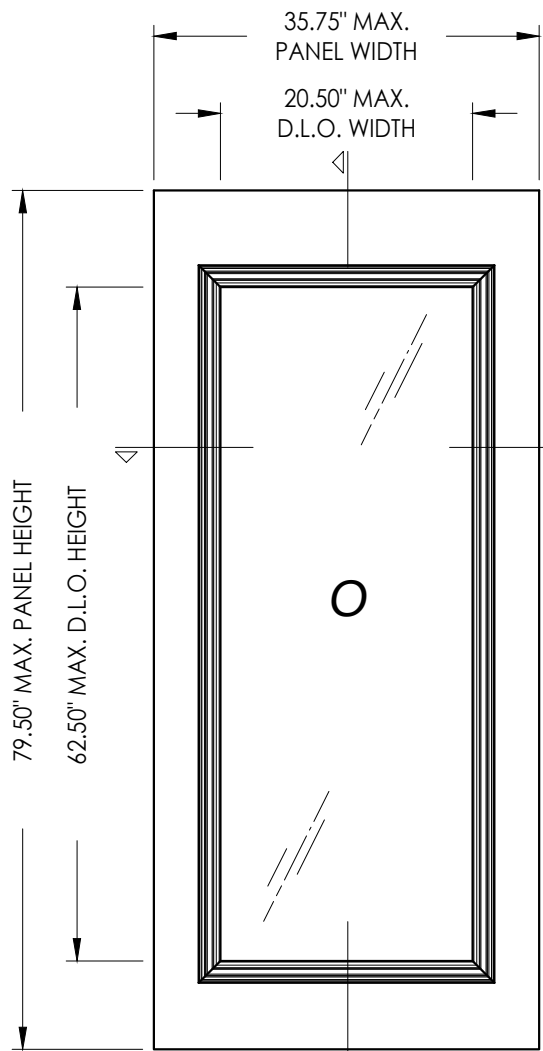
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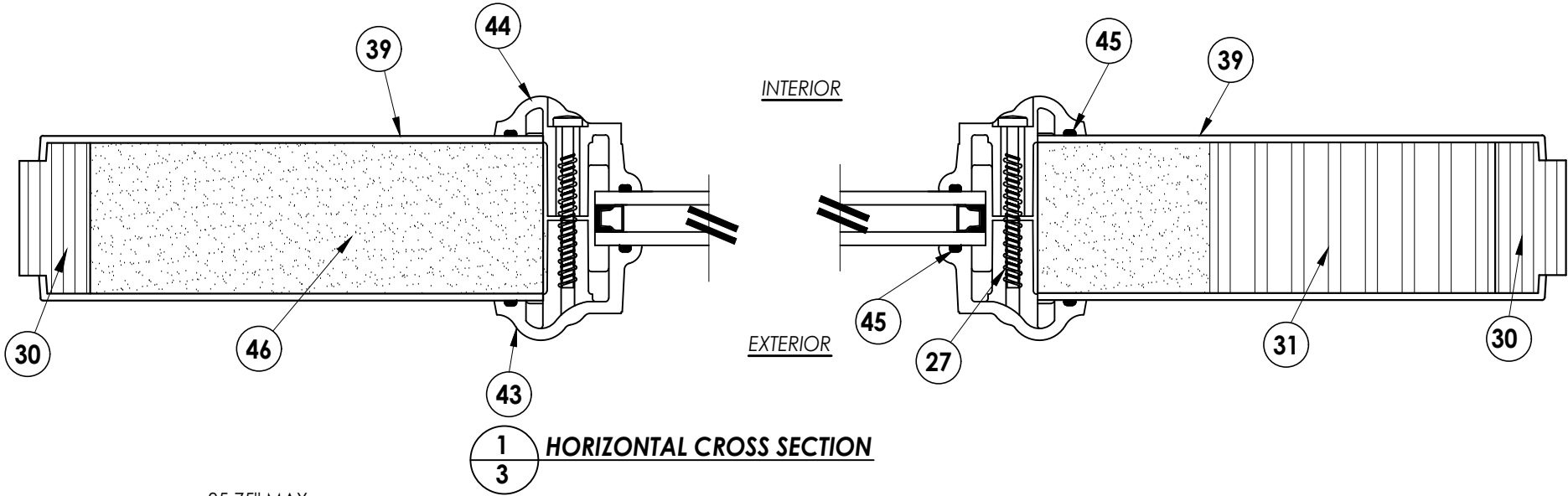
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SCALE:		N.T.S.
DWG. BY:		JK
CHK. BY:		LFS
DRAWING NO.:		FL-17903.5
SHEET		2 OF 9

PRODUCT:		STEVE'S AND SONS
PART OR ASSEMBLY:		DOOR PANEL CONSTRUCTION DETAILS

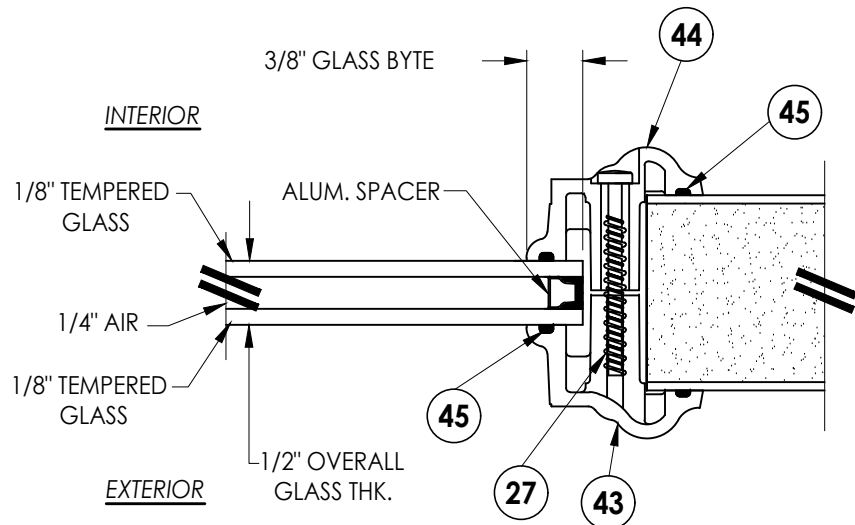
DOCUMENTS PREPARED BY:		Lyndon F. Schmidt P.E. No. 43409
BUILDING CONSULTANTS, INC.		P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813



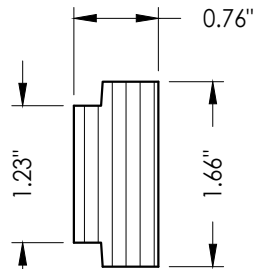
7A STEEL SIDELITE
GLAZED



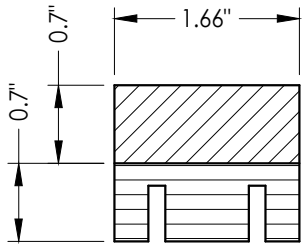
1
3 HORIZONTAL CROSS SECTION



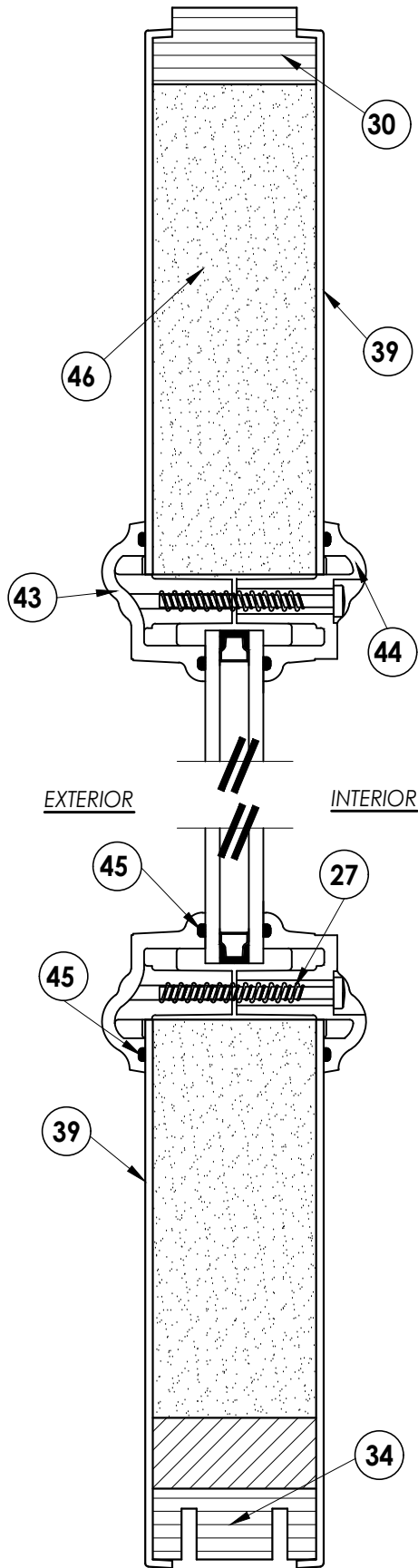
G1 GLAZING DETAIL



30 HINGE & LATCH STILE & TOP RAIL



34 BOTTOM RAIL



2
3 VERTICAL CROSS SECTION

DATE: 7/18/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-17903.5

SHEET 3 OF 9

PRODUCT:

STEVES AND SONS

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

PART OR ASSEMBLY:
SIDELITE PANEL CONSTRUCTION
DETAILS AND GLAZING DETAIL

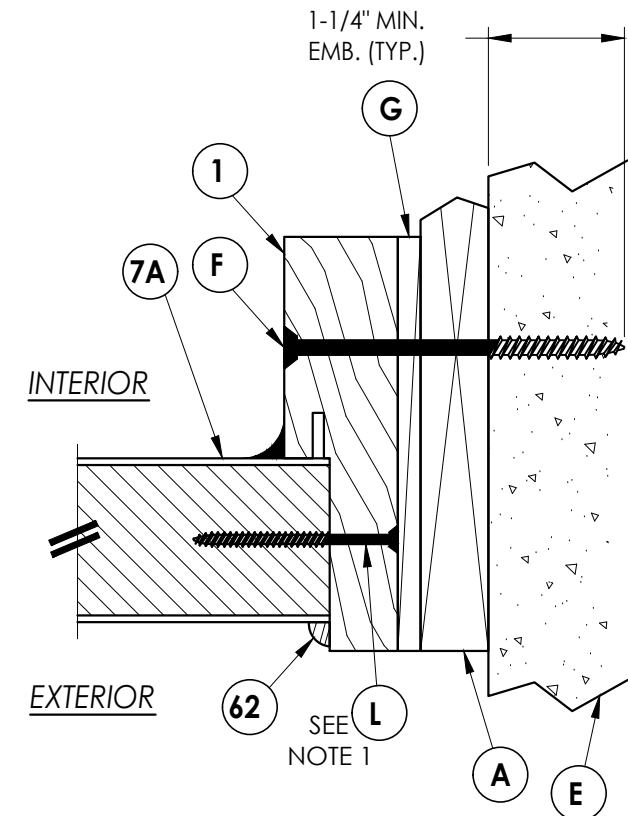
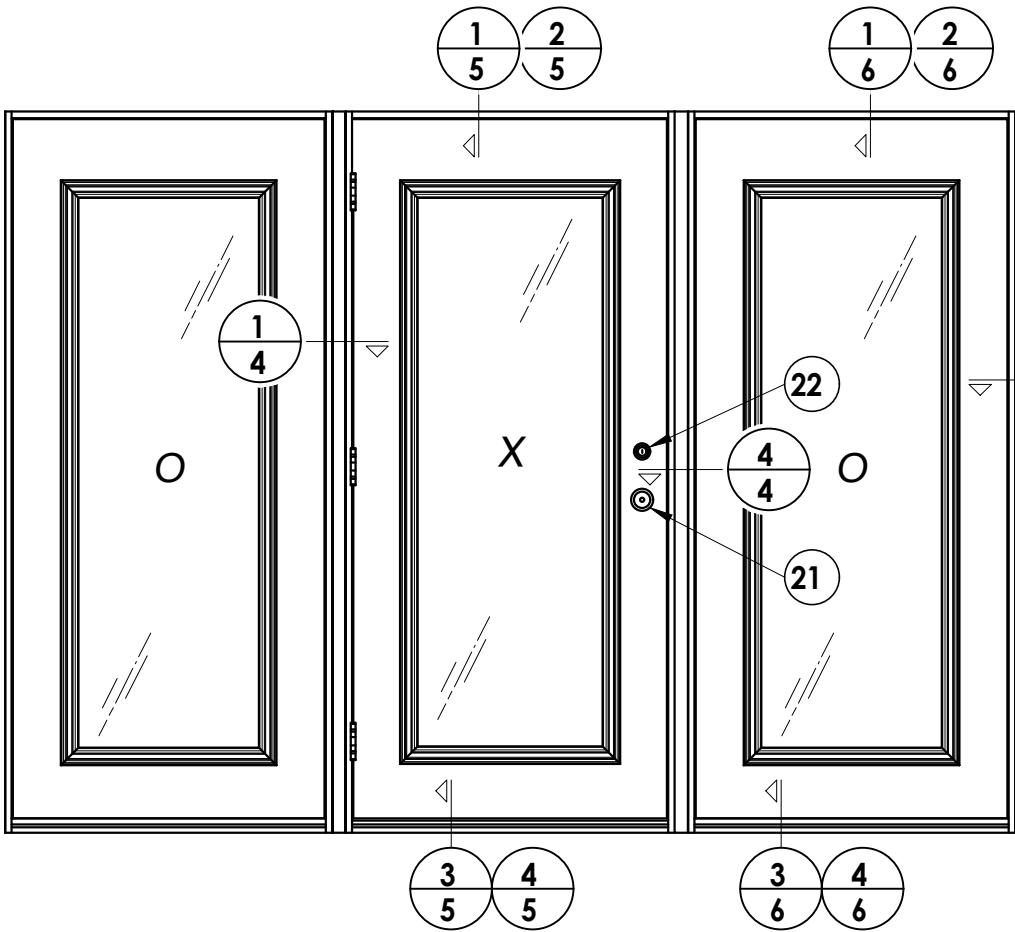
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Phone No.: 813.659.9197
FBPE Registry No. 9813

REVISIONS

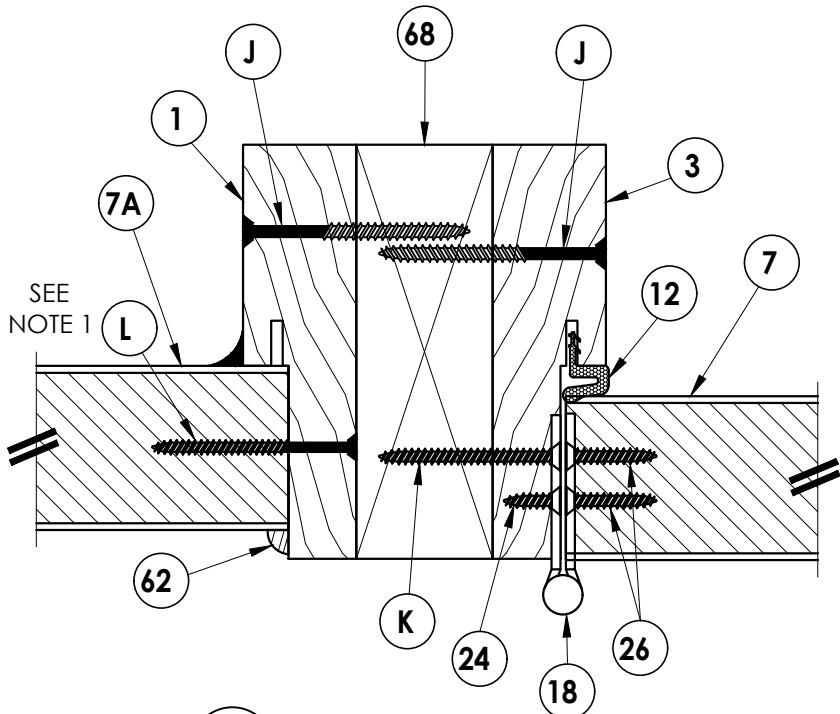
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NOTE:

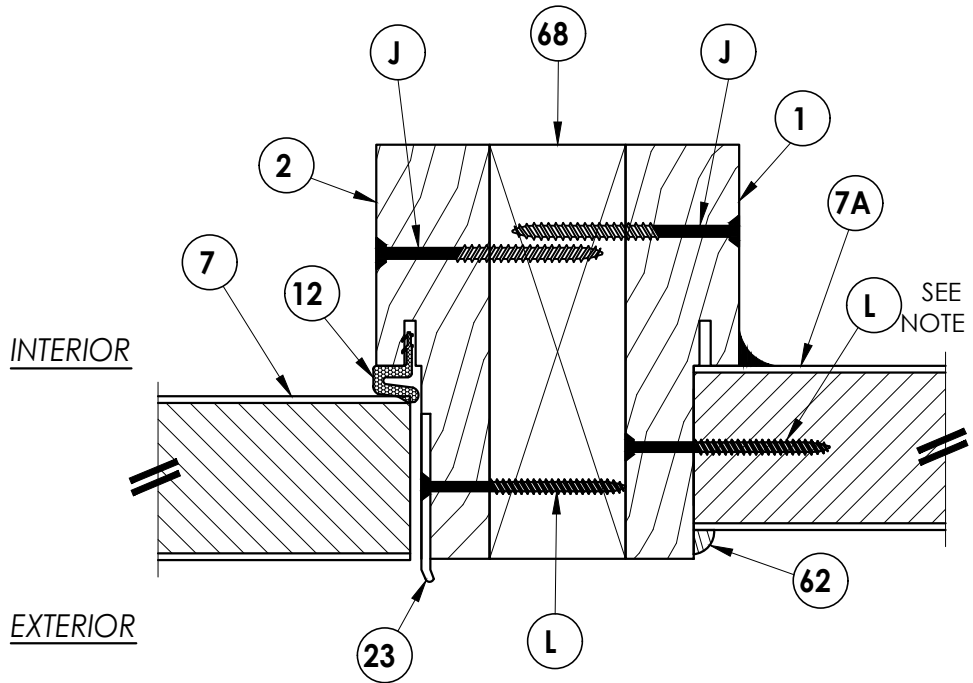
1. Sidelite ass'y fastener; 6" from each end and 6 more screws equally spaced between. (8 screws total per jamb.)



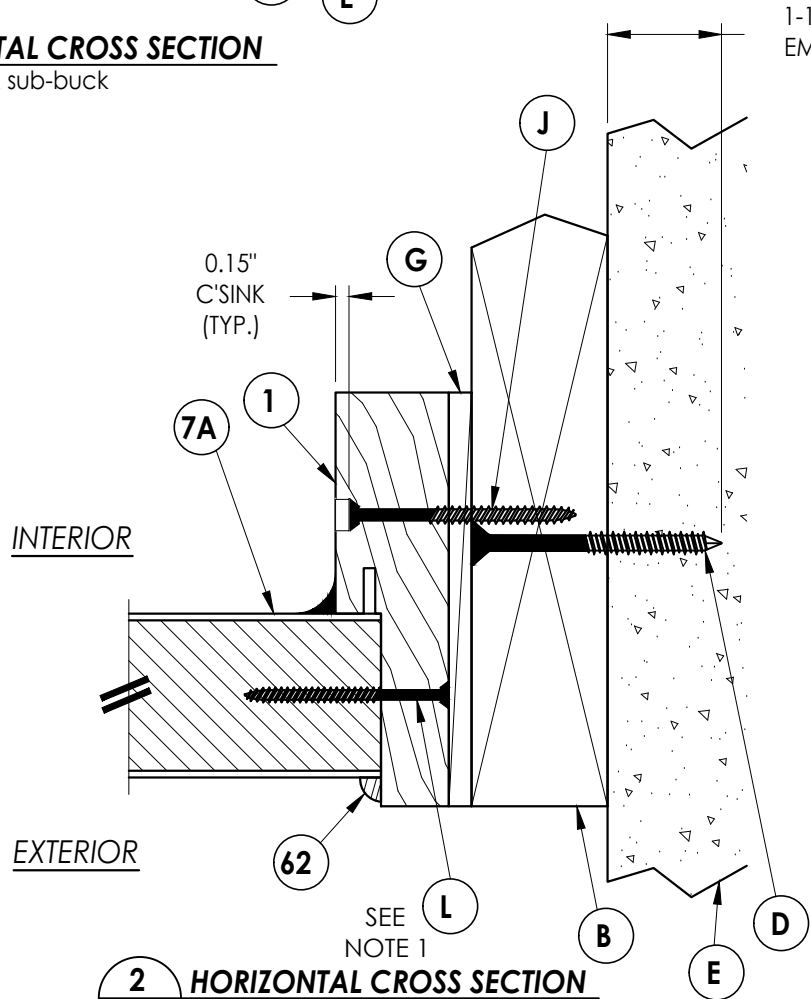
3 HORIZONTAL CROSS SECTION
Shown w/1X sub-buck



1 HORIZONTAL CROSS SECTION



4 HORIZONTAL CROSS SECTION



2 HORIZONTAL CROSS SECTION
Outswing shown - inswing also approved

PRODUCT:

STEVES AND SONS

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

Documents Prepared By:

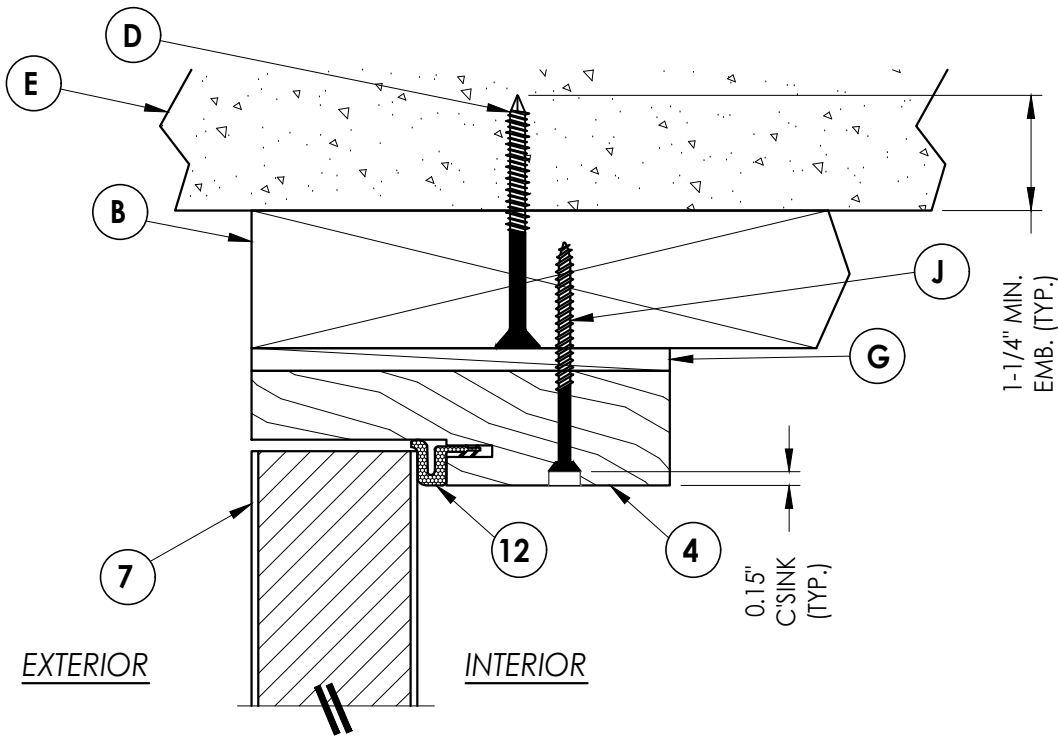
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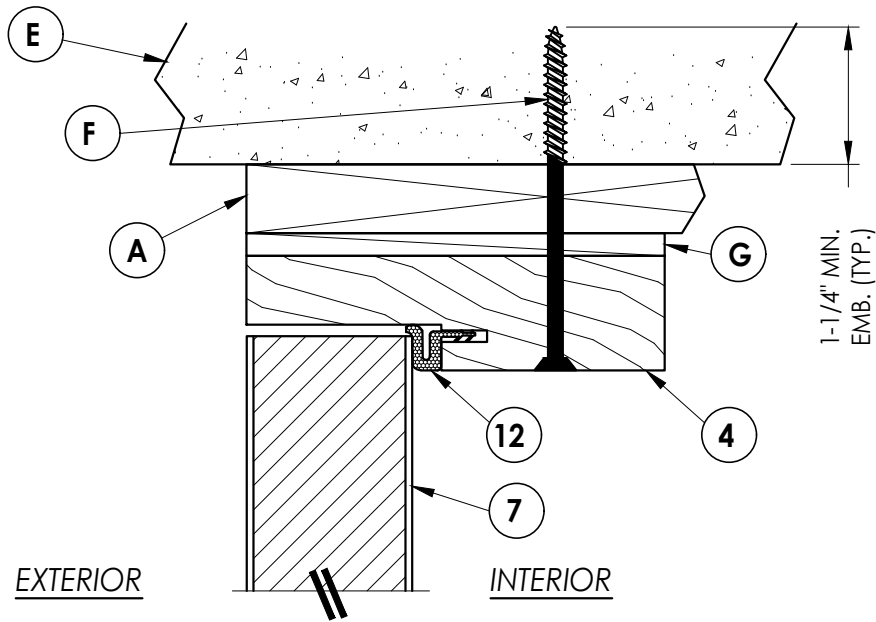
REVISIONS	
NO.	DATE
4	7/01/26
3	8/07/23
2	9/16/20
1	10/08/17

DATE:	7/18/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17903.5
SHEET	4 of 9

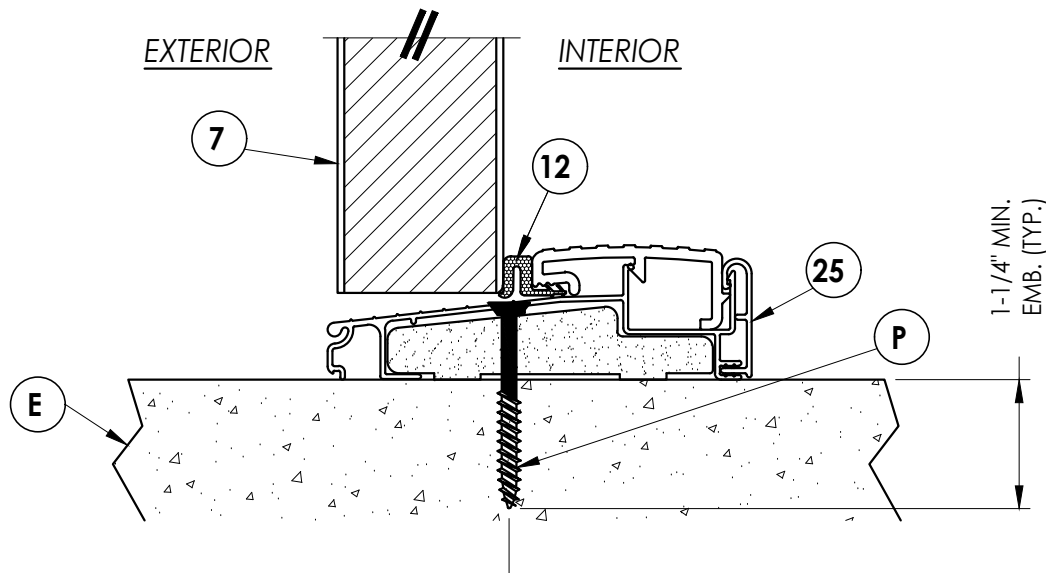
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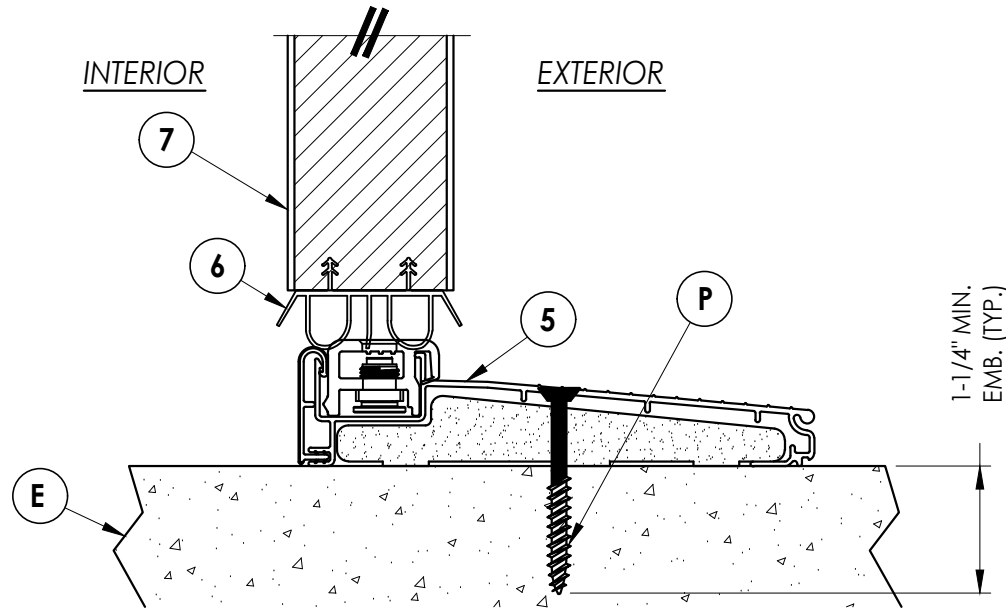
1
5 **VERTICAL CROSS SECTION**
Outswing shown - inswing
also approved



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



3
5 **VERTICAL CROSS SECTION**
Outswing sill



4
5 **VERTICAL CROSS SECTION**
Inswing sill

Documents Prepared By:
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P.E. No. 43409

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	REVISIONS
4	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
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

DATE: 7/18/15

SCALE: N.T.S.

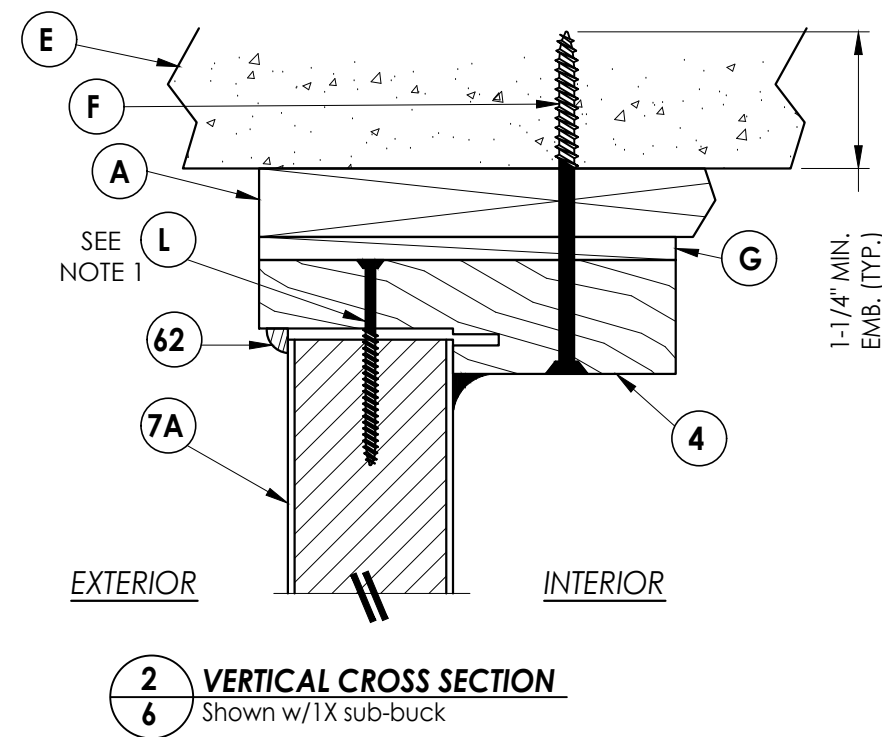
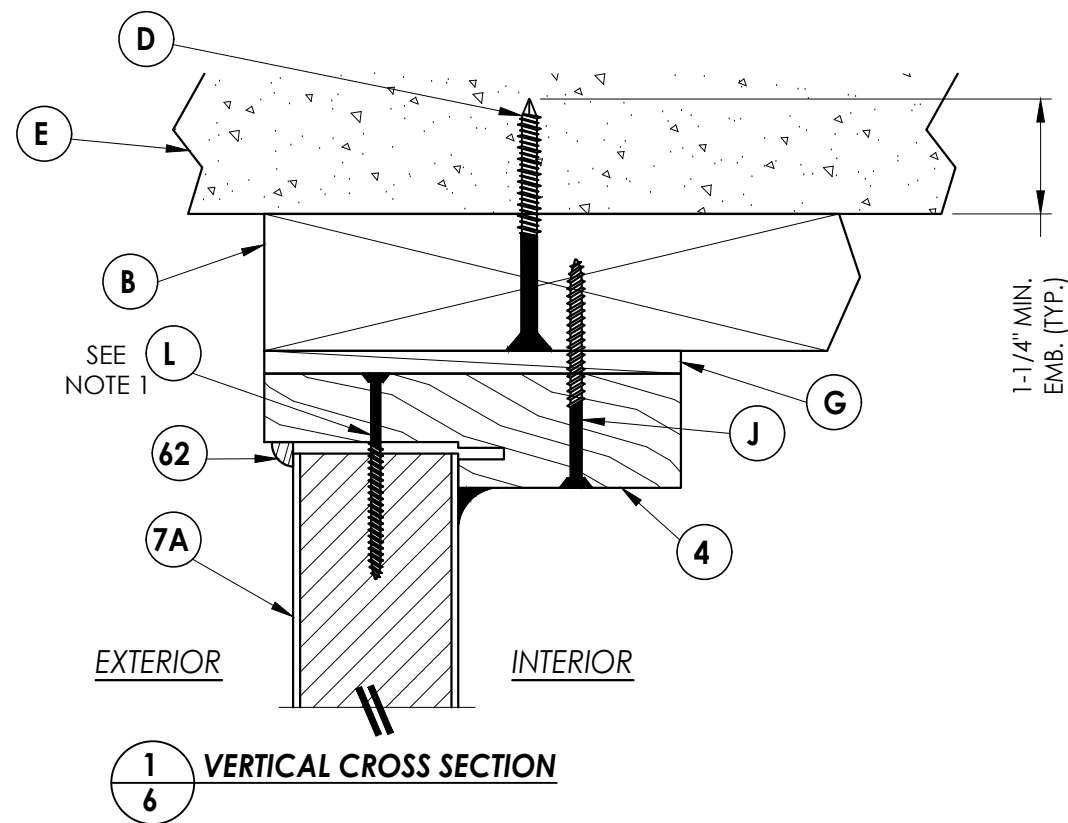
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CHK. BY: LFS

DRAWING NO.:

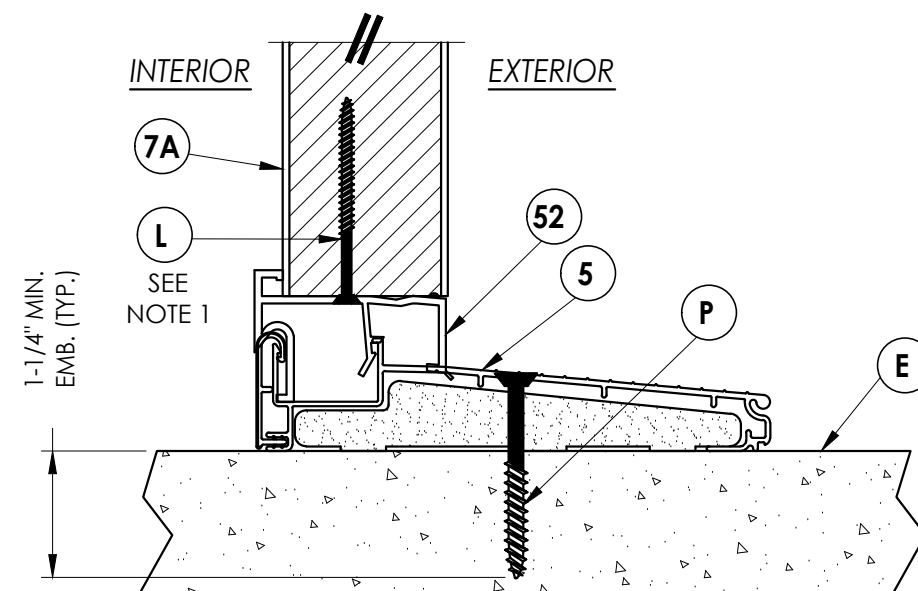
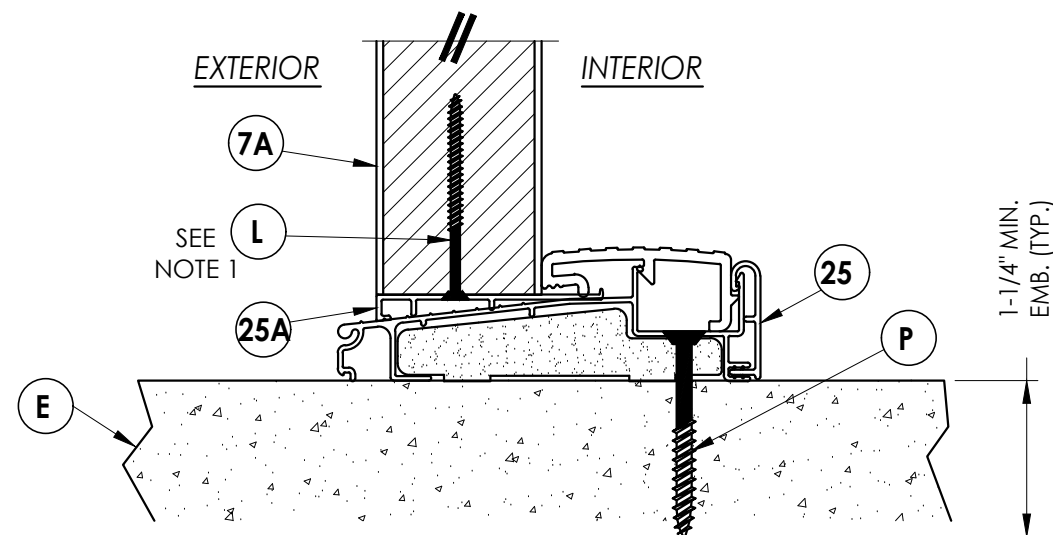
FL-17903.5

SHEET 5 OF 9



NOTE:

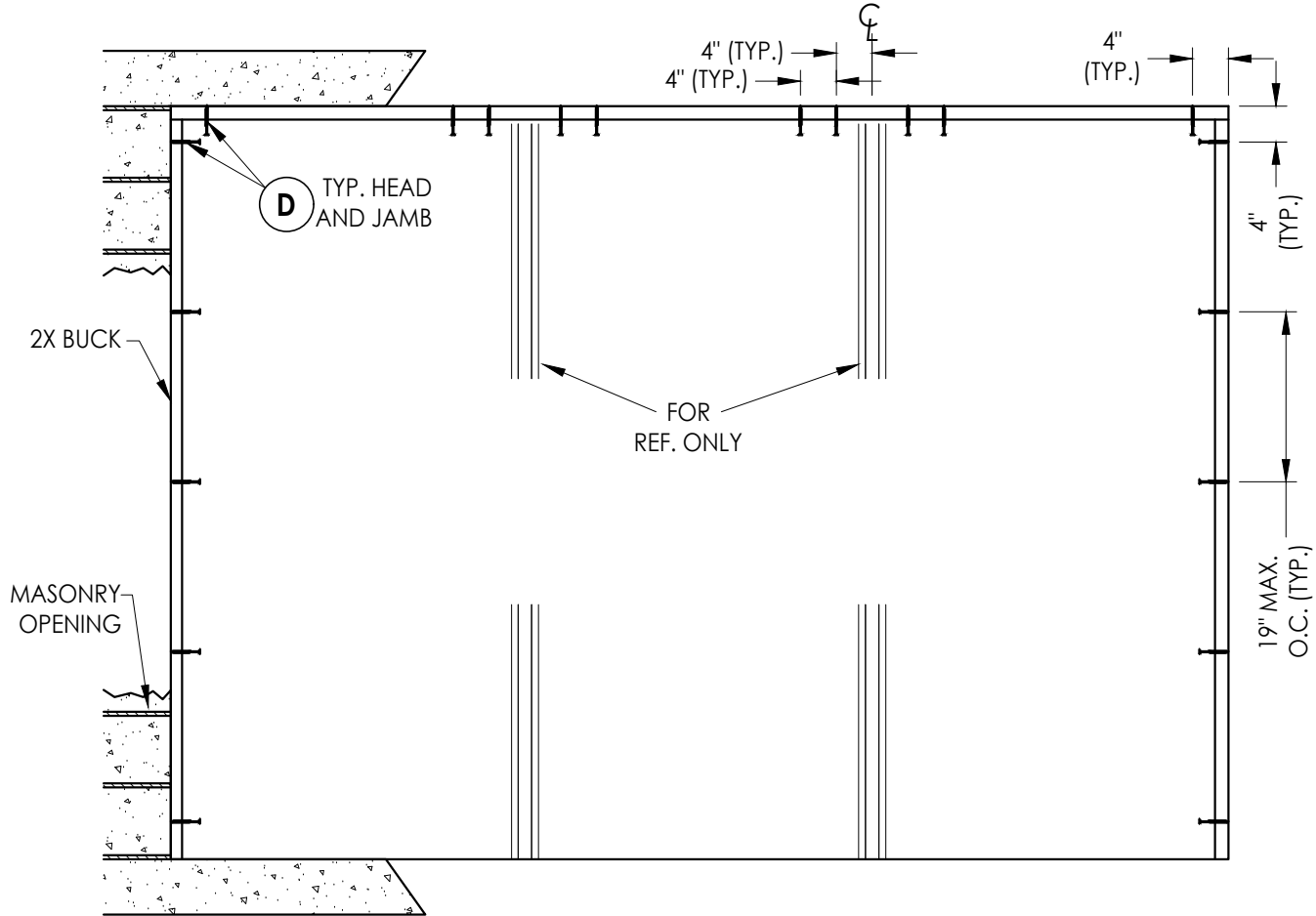
1. Screws thru head and sill jamb located 3" from each end and on centerline.

[illegible]

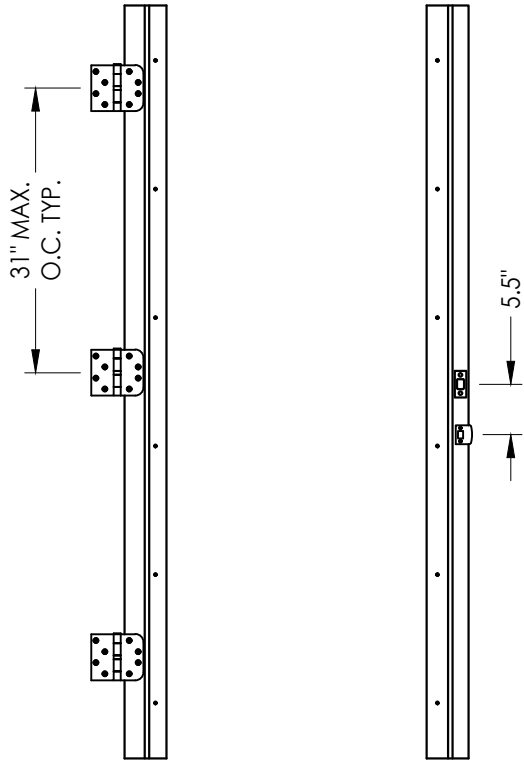
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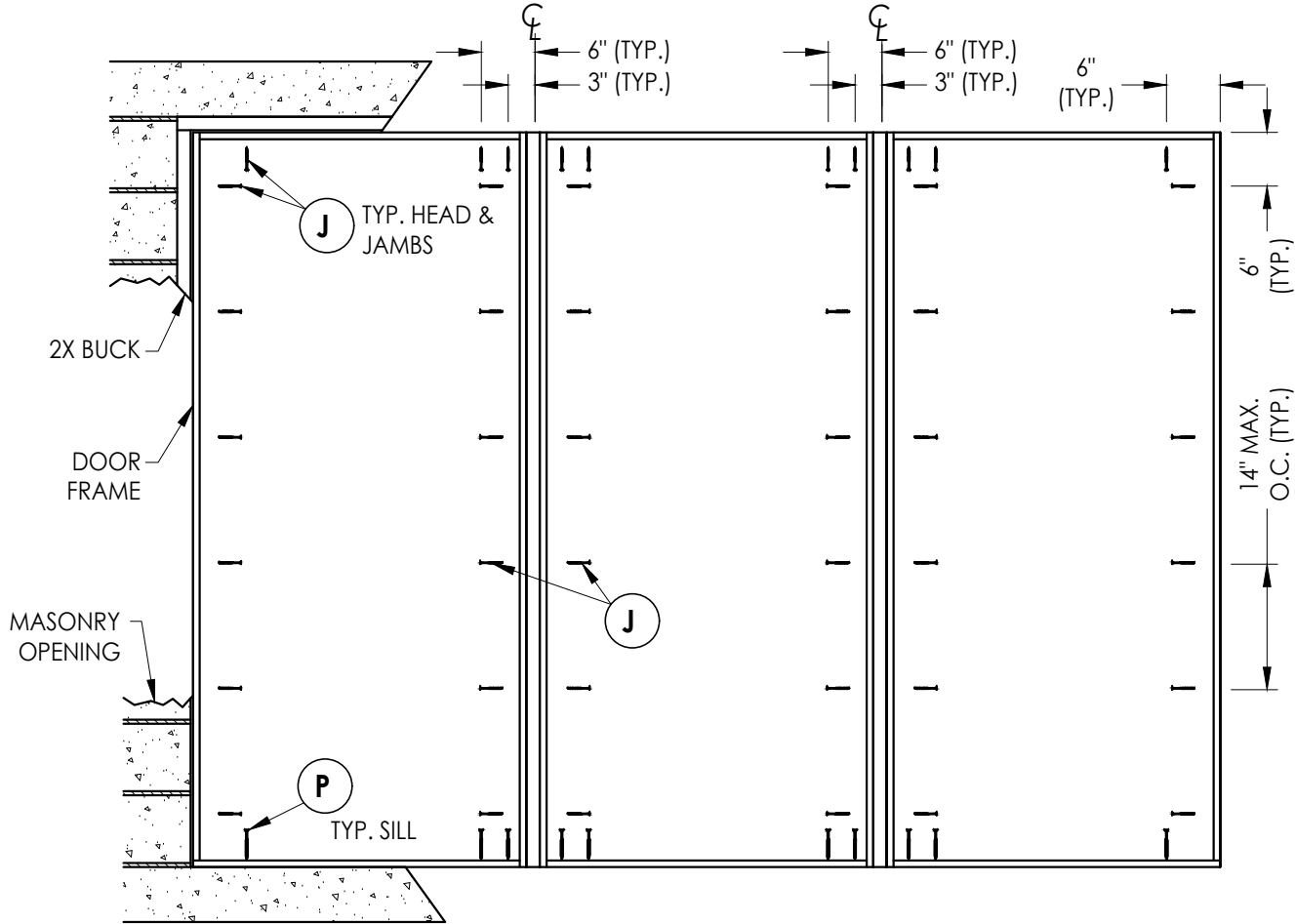


BUCK ANCHORING

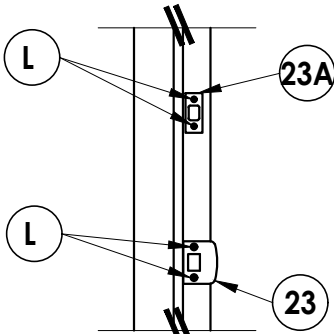


HINGE JAMB

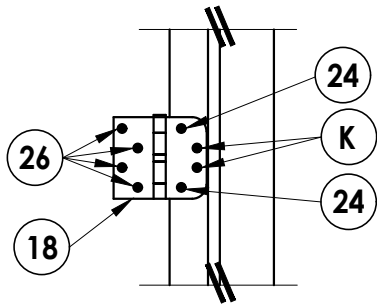
STRIKE JAMB



FRAME ANCHORING
Masonry 2X buck construction



STRIKE PLATE DETAIL



HINGE DETAIL 1

September 21, 2020

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

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

NO.	DATE	REVISIONS
4	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	8/07/23	UPDATE TO 8TH ED. (2023) FBC LFS
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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

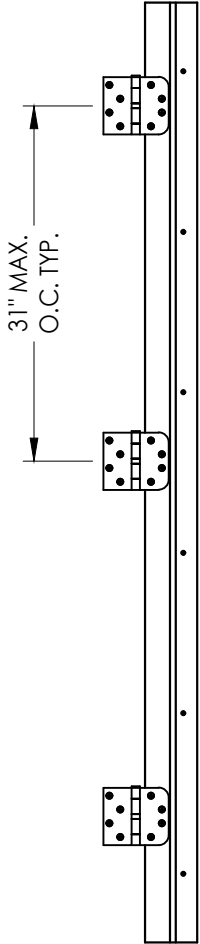
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FL-17903.5

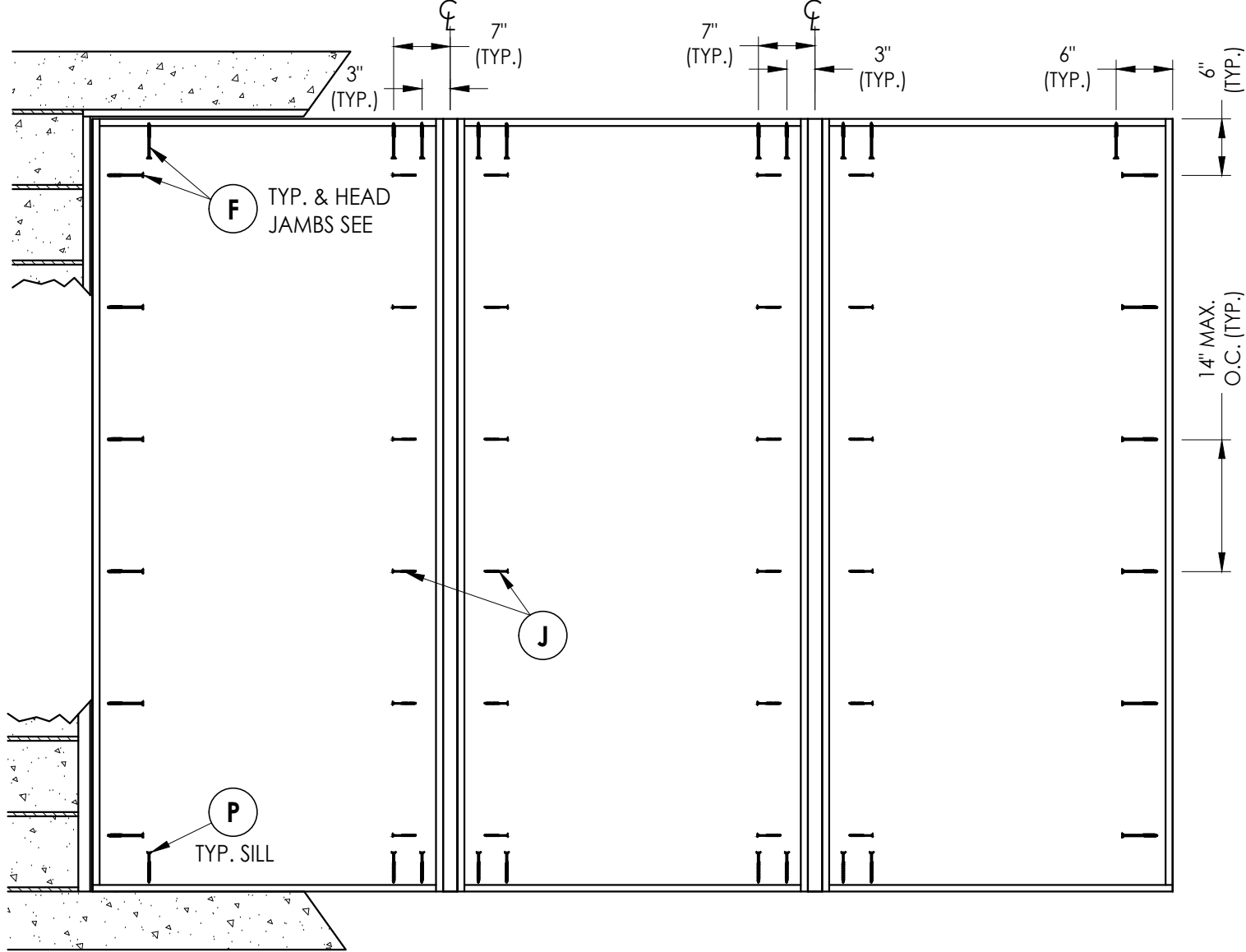
SHEET 7 OF 9

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Phone No.: 813.659.9197
FBPE Registry No. 9813

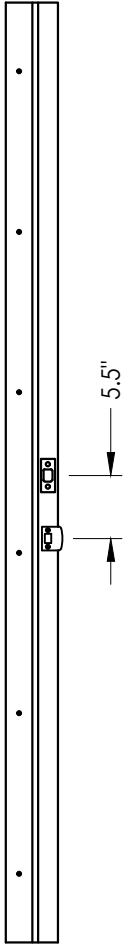
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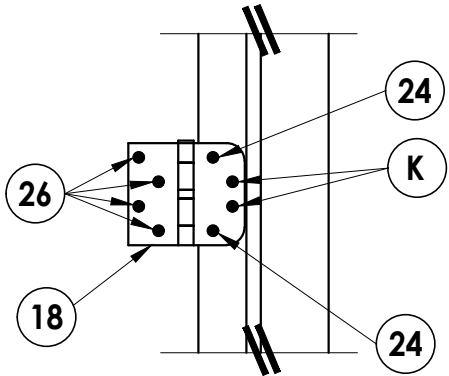
HINGE JAMB



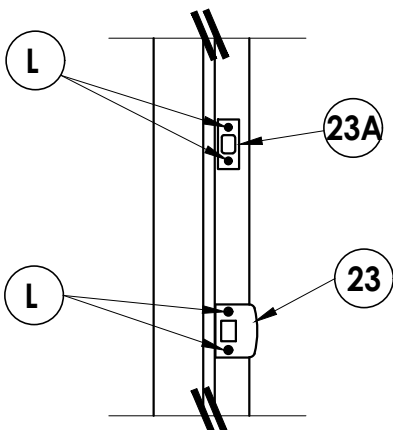
FRAME ANCHORING
Masonry 1X buck construction



STRIKE JAMB



HINGE DETAIL



STRIKE PLATE DETAIL

DATE:		7/18/15
SCALE:		N.T.S.
DWG. BY:		JK
CHK. BY:		LFS
DRAWING NO.:		FL-17903.5
SHEET	8	OF 9

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

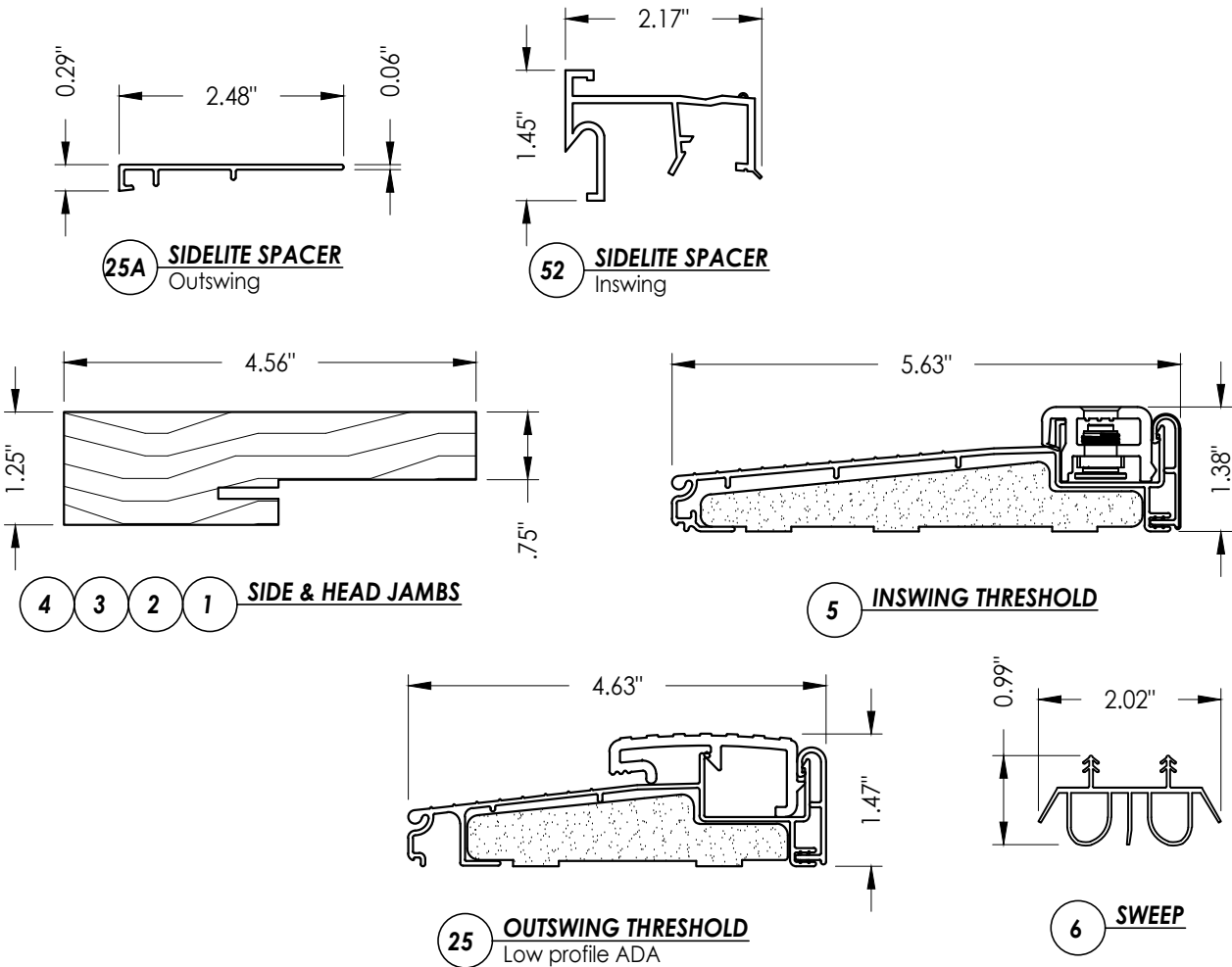
4	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS					
3	8/07/23	UPDATE TO 8TH ED. (2023)	FBC	LFS					
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1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC	JK					
NO.	DATE			BY					
REVISIONS									

Documents Prepared By:
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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 OR ITW 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" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
G	MAX. 1/4" SHIM SPACE	WOOD
J	#10 X 2-1/2" PFH WS (1.15" MIN. EMBEDMENT)	STEEL
K	#9 X 2" PFH WS	STEEL
L	#8 X 2-1/2" PFH WS	STEEL
P	1/4" X 2-1/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
1	SIDELITE JAMB - FINGER-JOINT PINE - SG >= 0.42	WOOD
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	STEEL DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
7A	STEEL SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
12	WEATHERSTRIP QEBD650 Q-LON	-
18	4" HINGE	STEEL
21	KWIKSET LOCK - SERIES 200 PASSAGE	-
22	KWIKSET DEADBOLT - SERIES 600	-
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.
25A	SIDELITE SPACER -OUTSWING	PVC
26	#9 X 1" PFH WS	STEEL
27	#8 x 1 1/2" PPH SCREW	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	STEEL SKIN 0.025" MIN. THICKNESS	STEEL
40	#8 X 1-1/2" PANHEAD SMS (LIGHT FRAME SCREW)	STEEL
43	FEMALE LITE FRAME- WESTERN REFLECTIONS/ODL	POLYPROPYLENE
44	MALE LITE FRAME- WESTERN REFLECTIONS/ODL	POLYPROPYLENE
45	SILICONE SEALANT	BUTYL
46	INSULATED FOAM CORE	POLYURETHANE
52	SIDELITE SPACER - INSWING	PVC
62	QUARTER ROUND	WOOD
68	2X MULLION REINFORCEMENT - SG>= 0.42	WOOD



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.

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
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PRODUCT:

STEVES AND SONS

PART OR ASSEMBLY:

BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
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SHEET 9 OF 9