



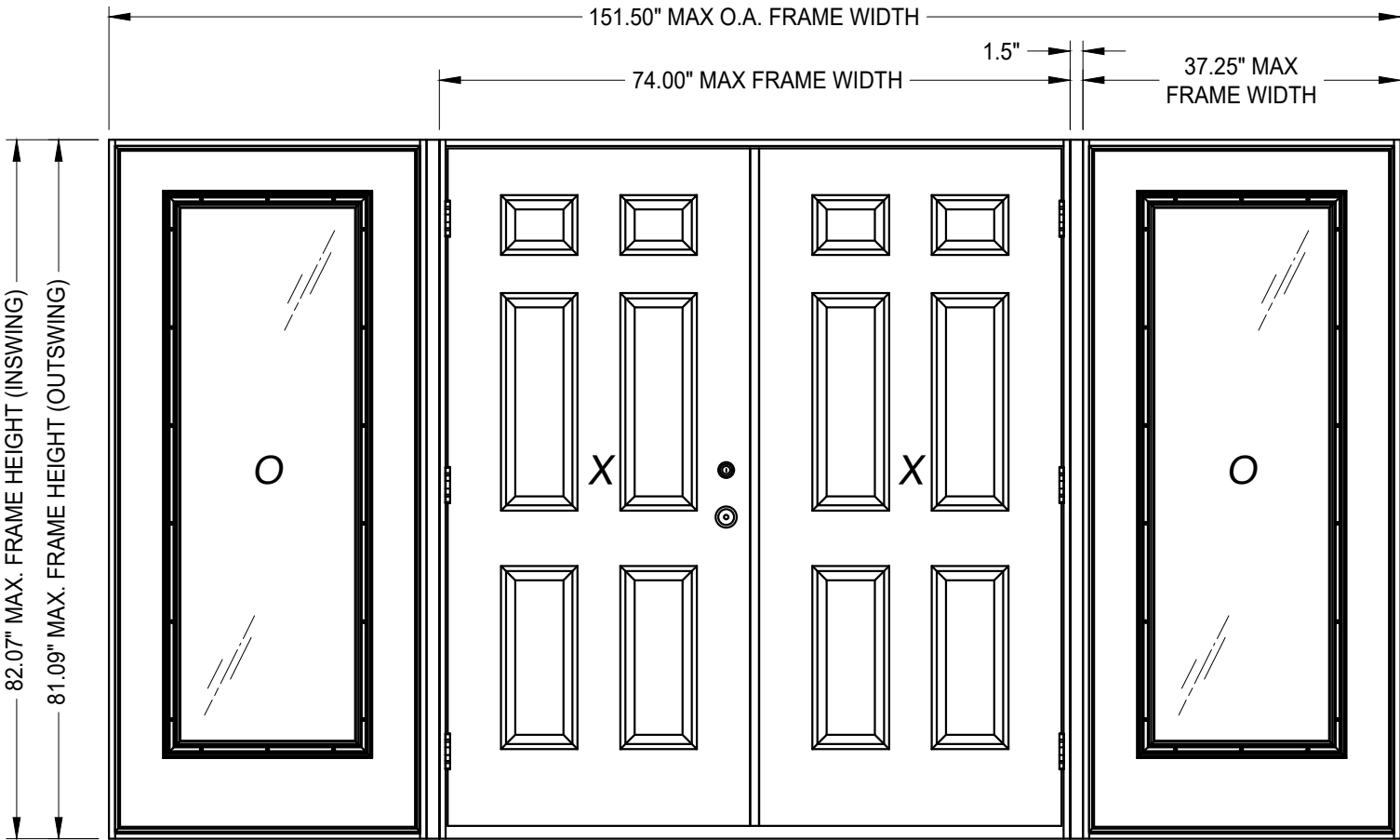
STEVES AND SONS
203 Humble Ave.
San Antonio, TX 78225

**OPAQUE FIBERGLASS DOOR
INSWING / OUTSWING
"IMPACT"**

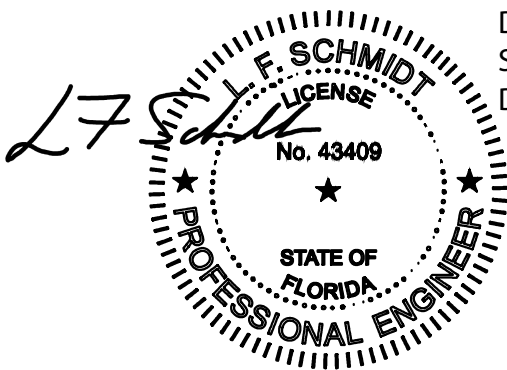
GENERAL NOTES

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). 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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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
4	Horizontal cross sections
5	Vertical cross sections
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7	Buck anchoring
8	Frame anchoring - 2X buck masonry construction
9	Frame anchoring - 1X buck masonry construction
10	Astragal details
11	Bill of materials & components



SWING	MAX. FRAME DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
INSWING	151.50" x 82.07"	G1, G2	+50.0	-55.0
OUTSWING	151.50" x 81.09"		+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2026.07.07 15:04:00 -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

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

STEVES AND SONS

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

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
NO.	DATE			BY

REVISIONS

DATE: 7/17/15

SCALE: N.T.S.

DWG. BY: JK

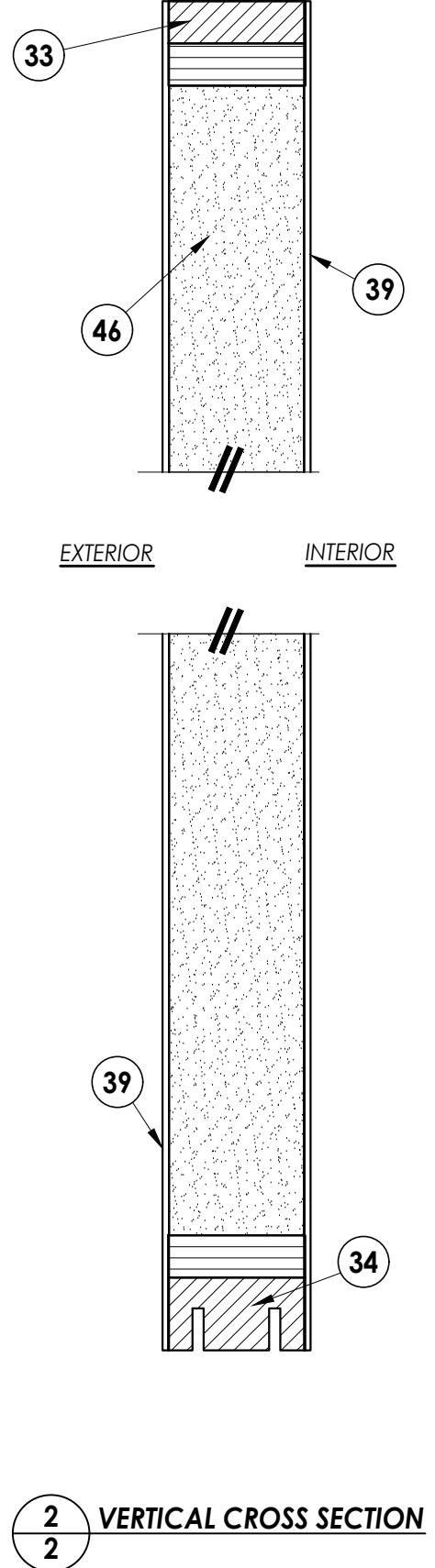
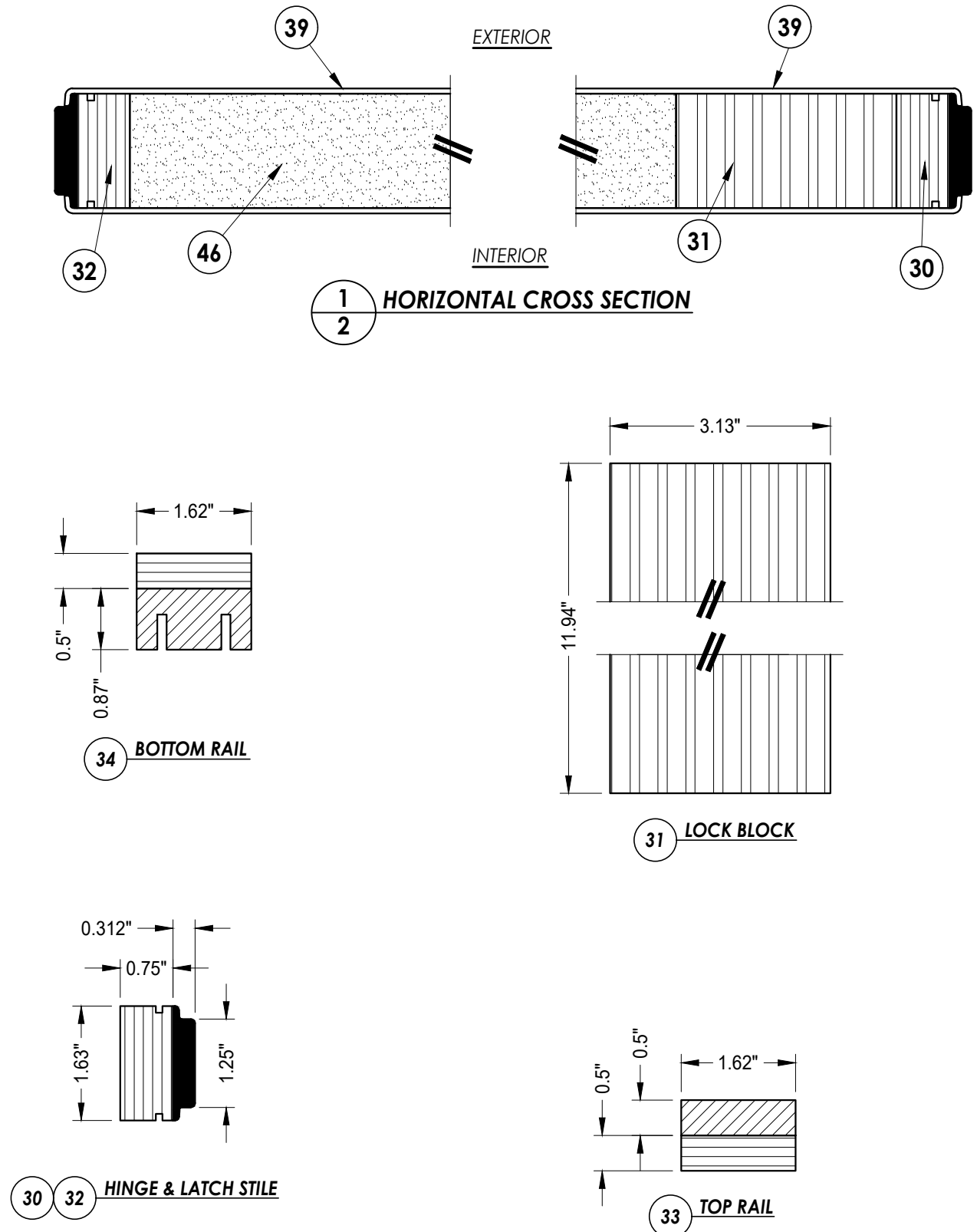
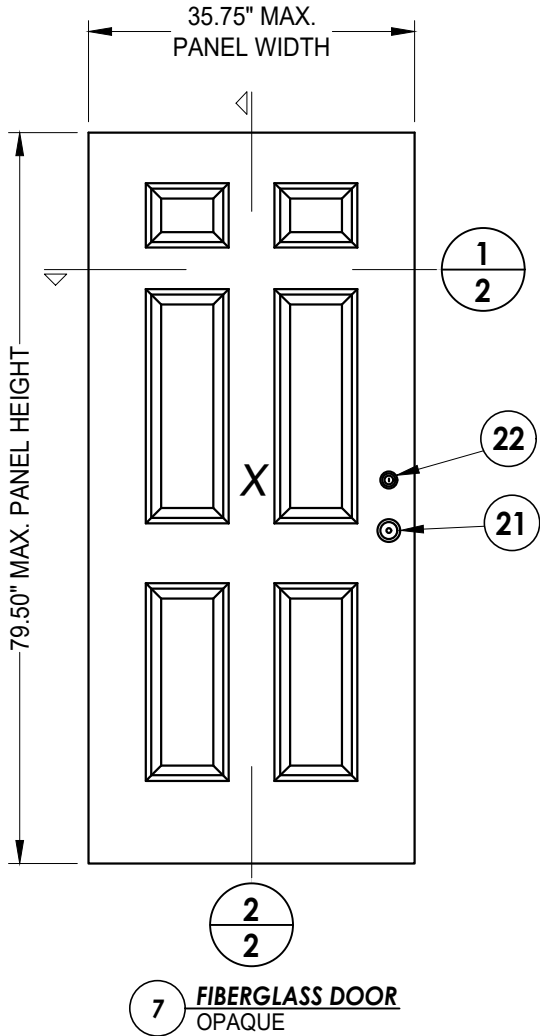
CHK. BY: LFS

DRAWING NO.: FL-17901.5

SHEET 1 OF 11

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

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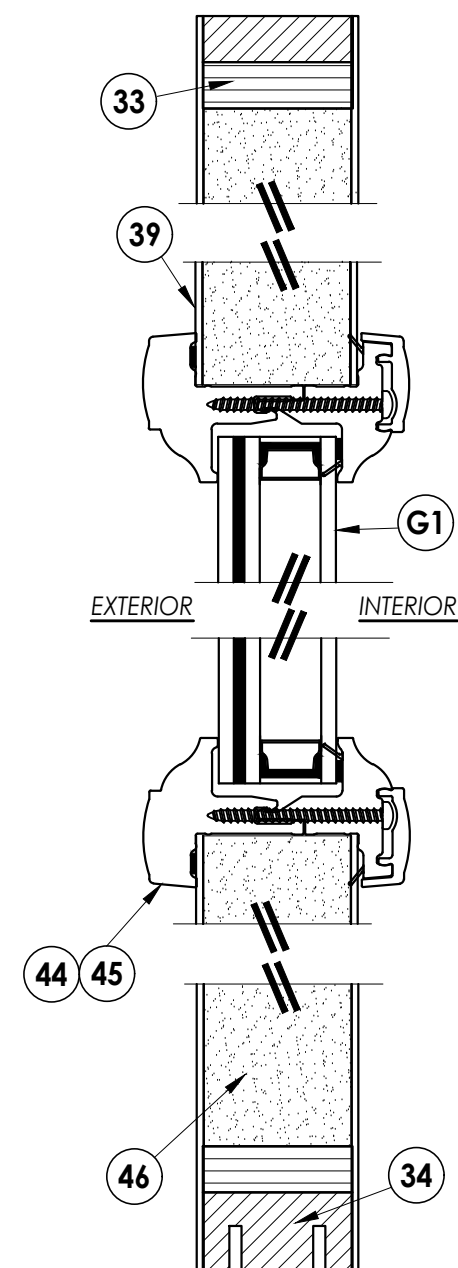
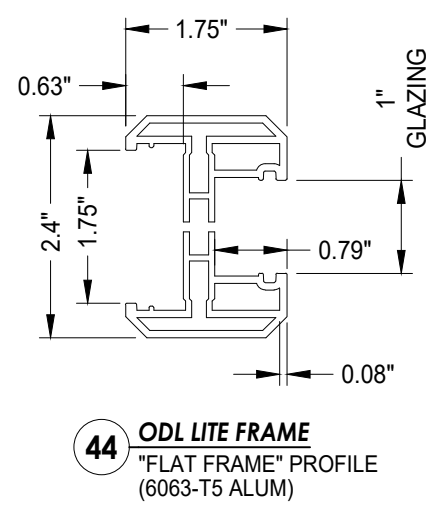
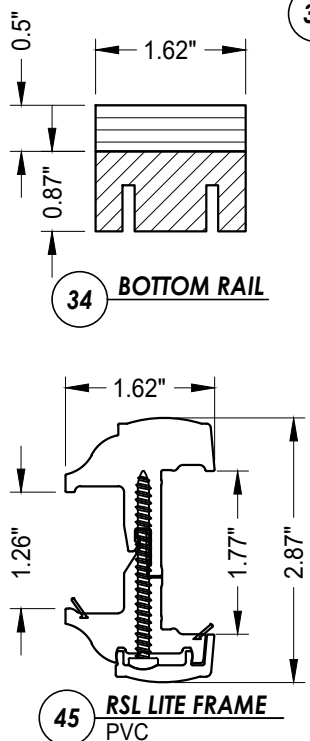
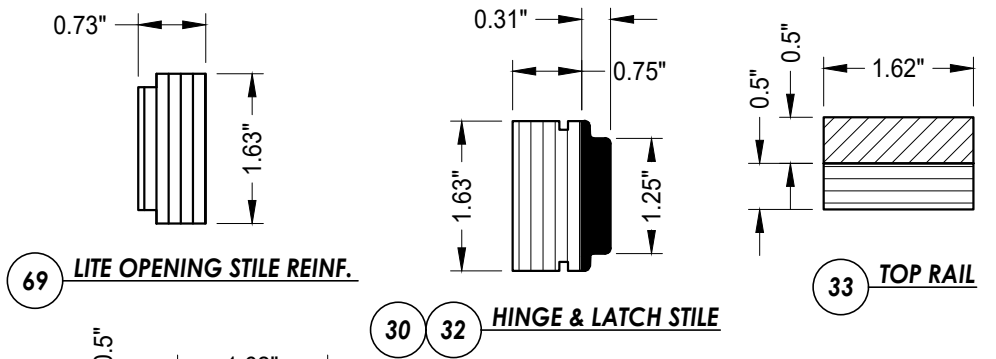
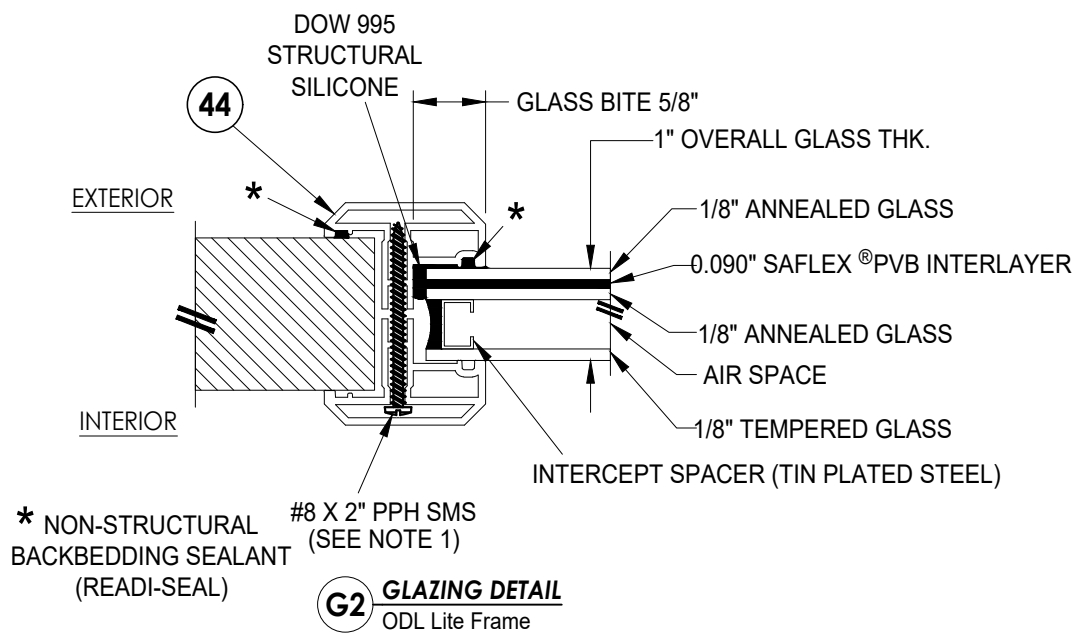
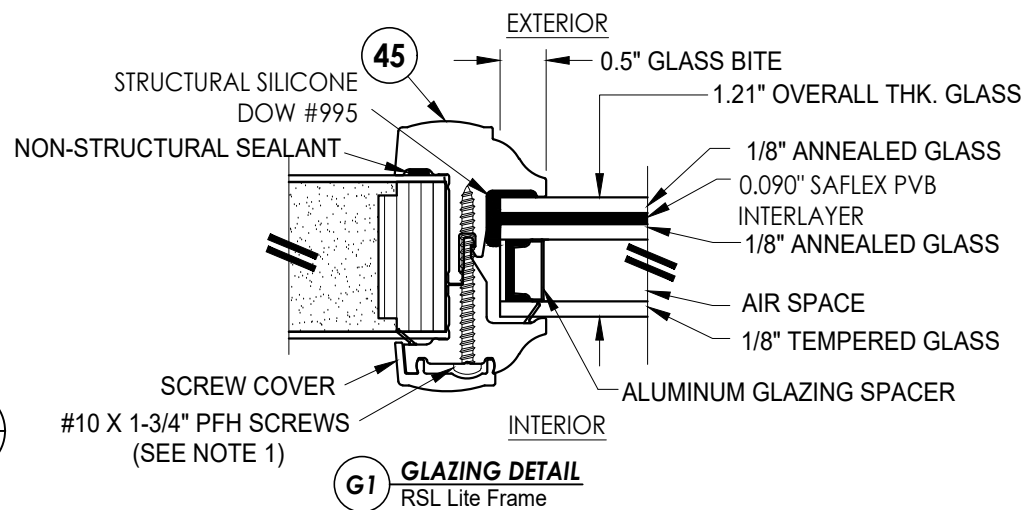
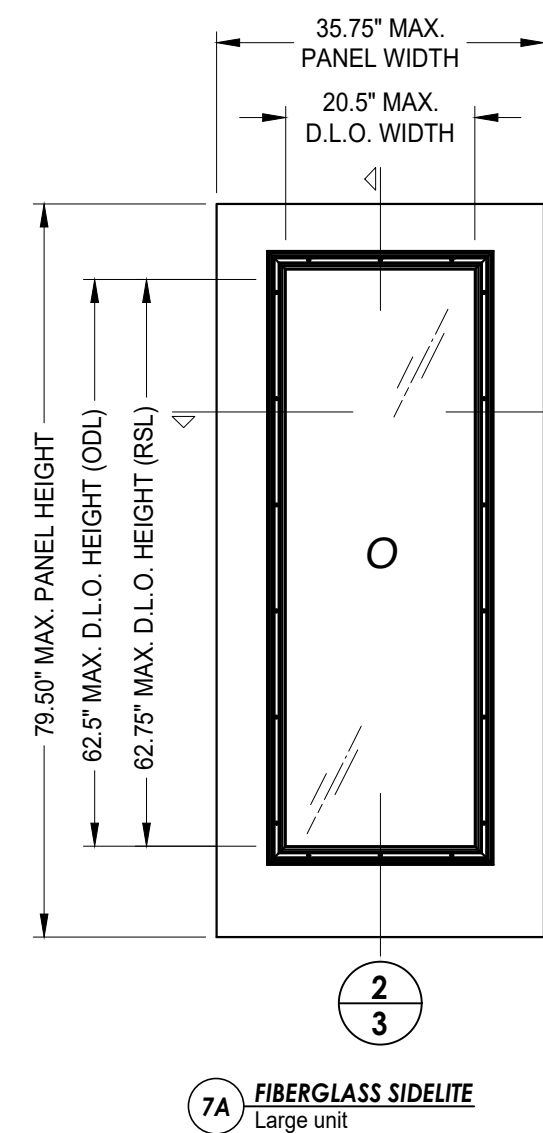
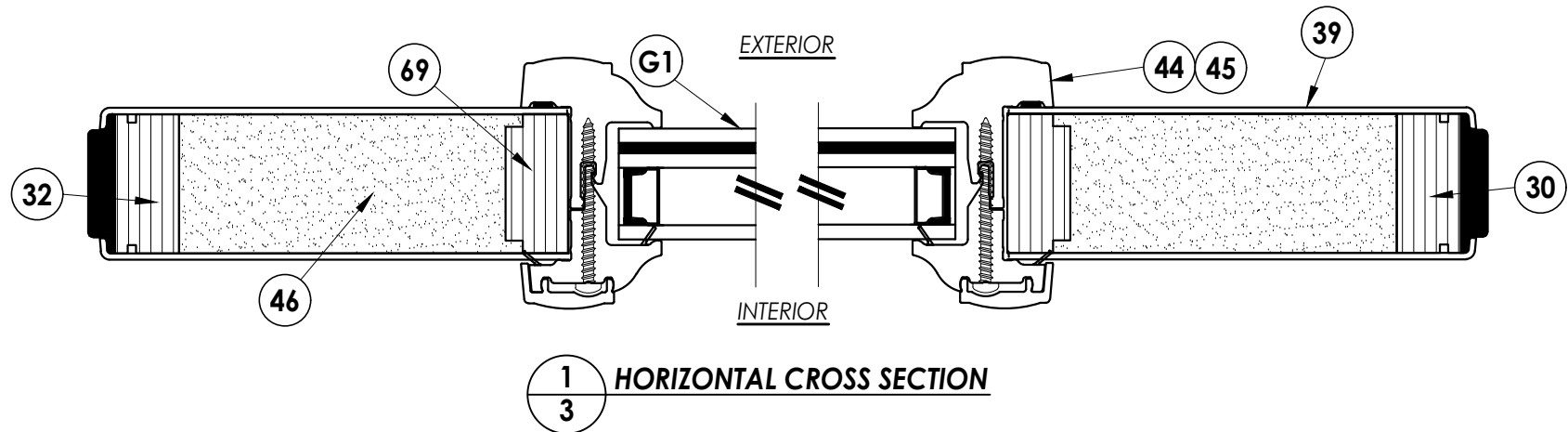
REVISIONS	
NO.	DATE
4	7/01/26
3	8/07/23
2	9/16/20
1	10/08/17

DATE:	7/17/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17901.5
SHEET	2 OF 11

PRODUCT:	STEVES AND SONS
PART OR ASSEMBLY:	DOOR PANEL CONSTRUCTION DETAILS

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

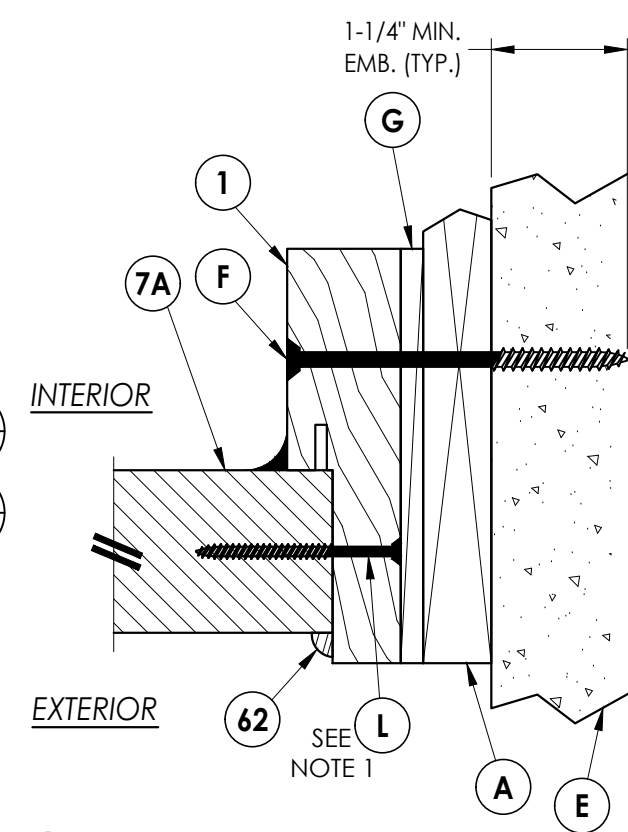
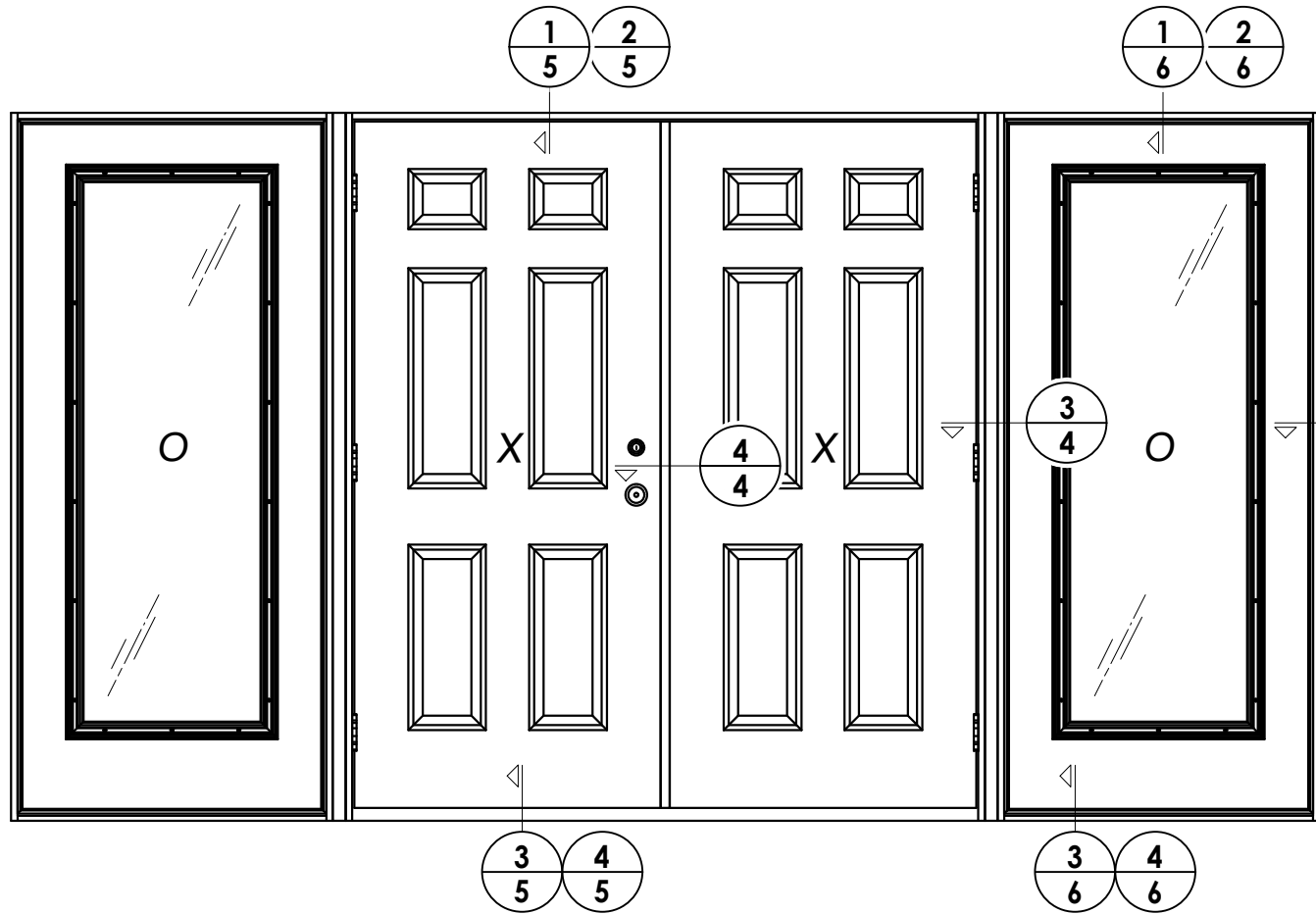
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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NOTE:
1. LITE FRAME SCREWS:
6 ALONG EACH SIDE PLUS 3 ALONG
TOP & BOTTOM (18 SCREWS TOTAL)

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				PART OR ASSEMBLY: SIDELITE PANEL CONSTRUCTION DETAILS			
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			
NO.	DATE			BY			
				REVISIONS			
DATE: 7/17/15							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-17901.5							
SHEET 3 OF 11							

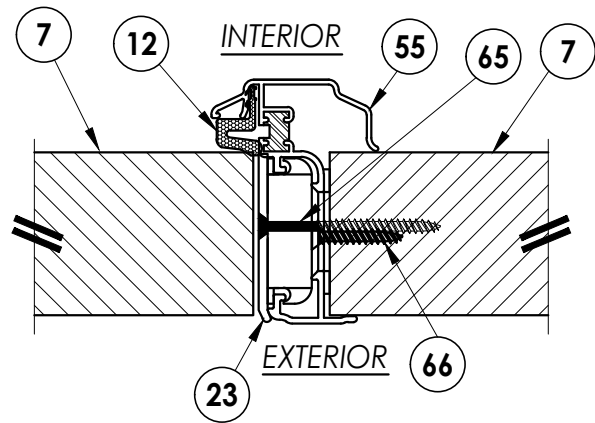
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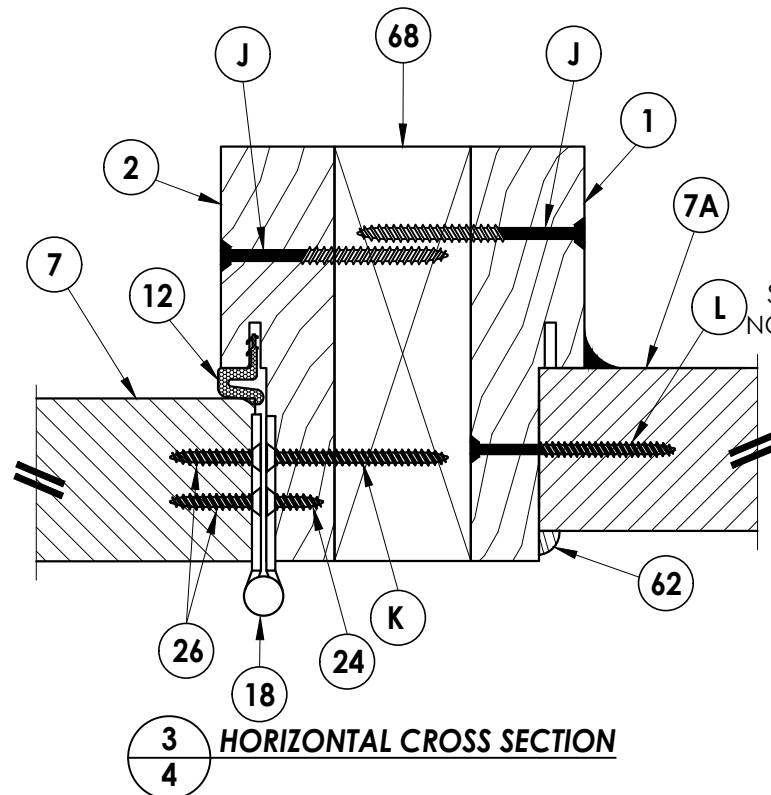
2/4 HORIZONTAL CROSS SECTION
Shown w/1X sub-buck

NOTE:

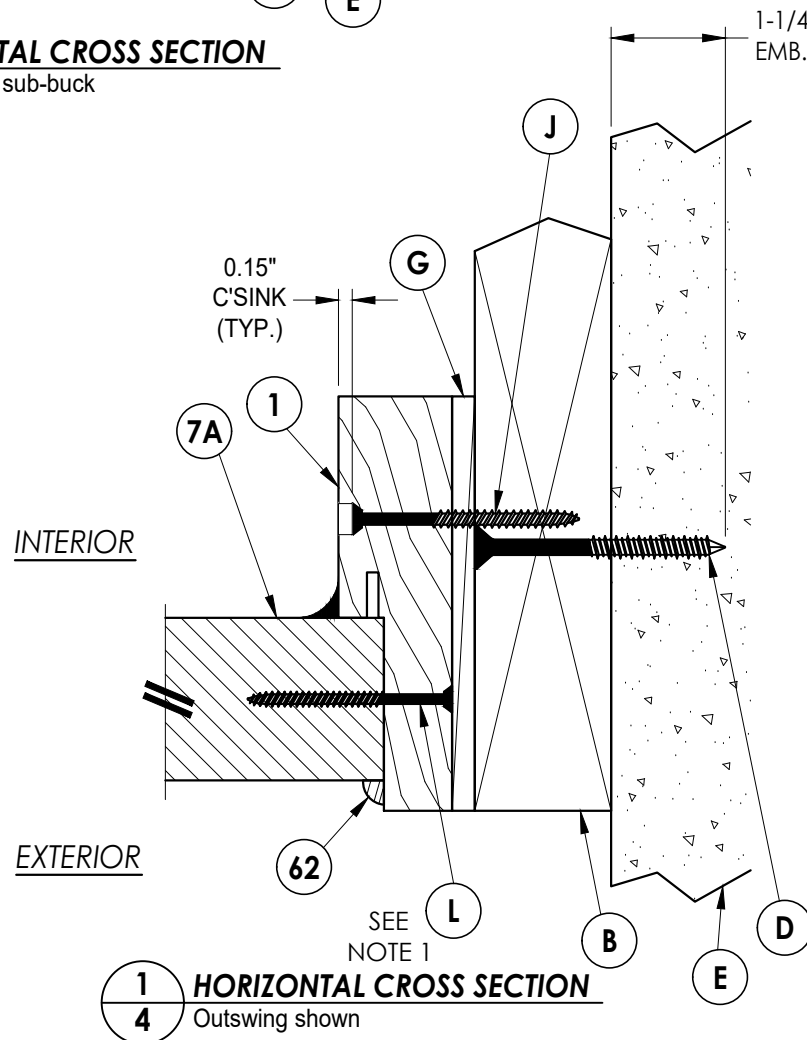
1. Sidelite ass'y fastener; 6" from each end and 6 more screws equally spaced between. (8 screws total per jamb.)



4/4 HORIZONTAL CROSS SECTION
Endura astragal



3/4 HORIZONTAL CROSS SECTION



1/4 HORIZONTAL CROSS SECTION
Outswing shown

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PRODUCT:	STEVES AND SONS	
	PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	

NO.	DATE	REVISIONS			
		BY	JK	LFS	FBC
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: 7/17/15

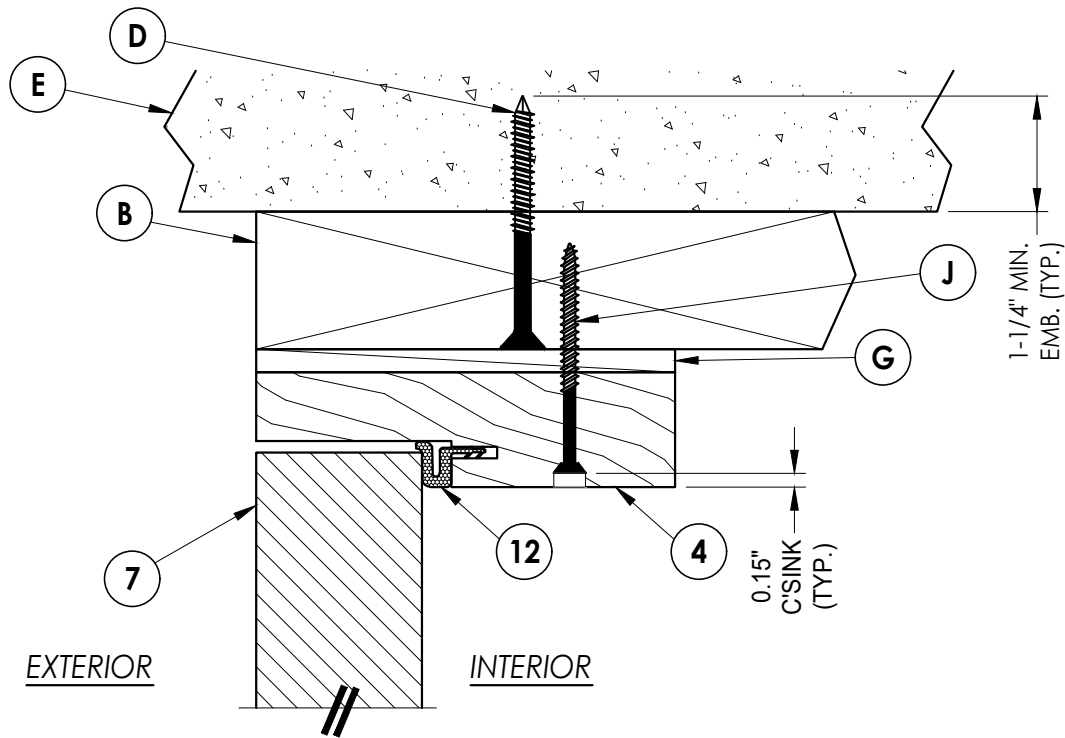
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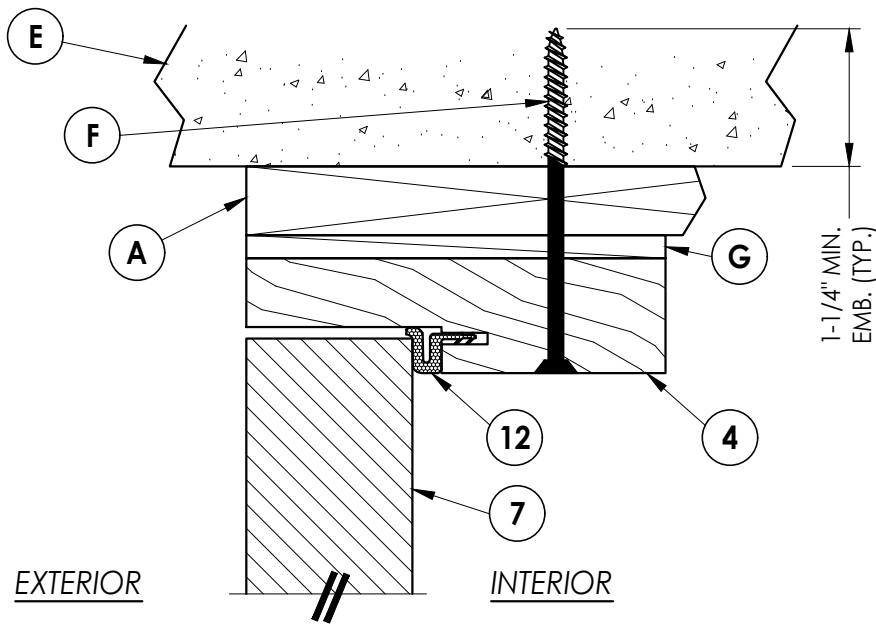
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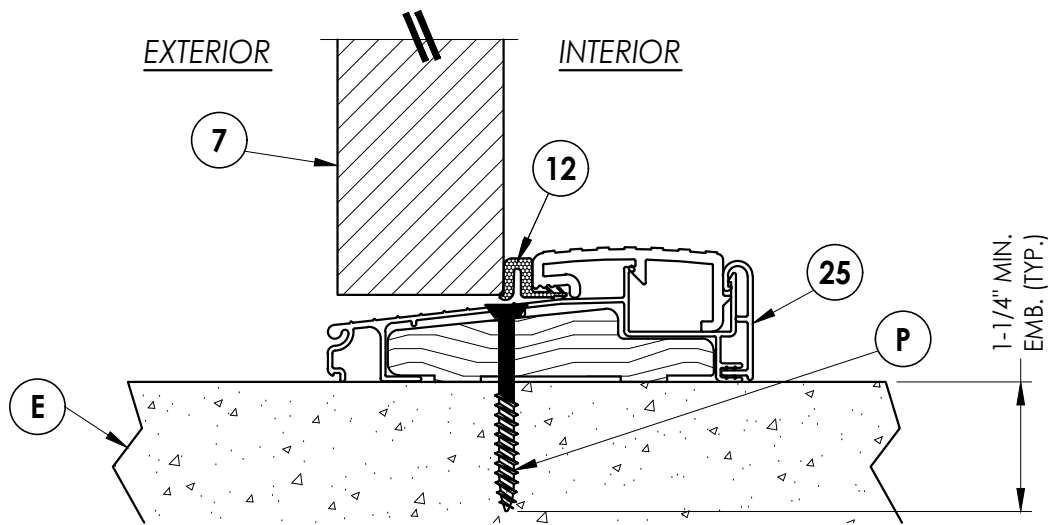
SHEET 4 OF 11



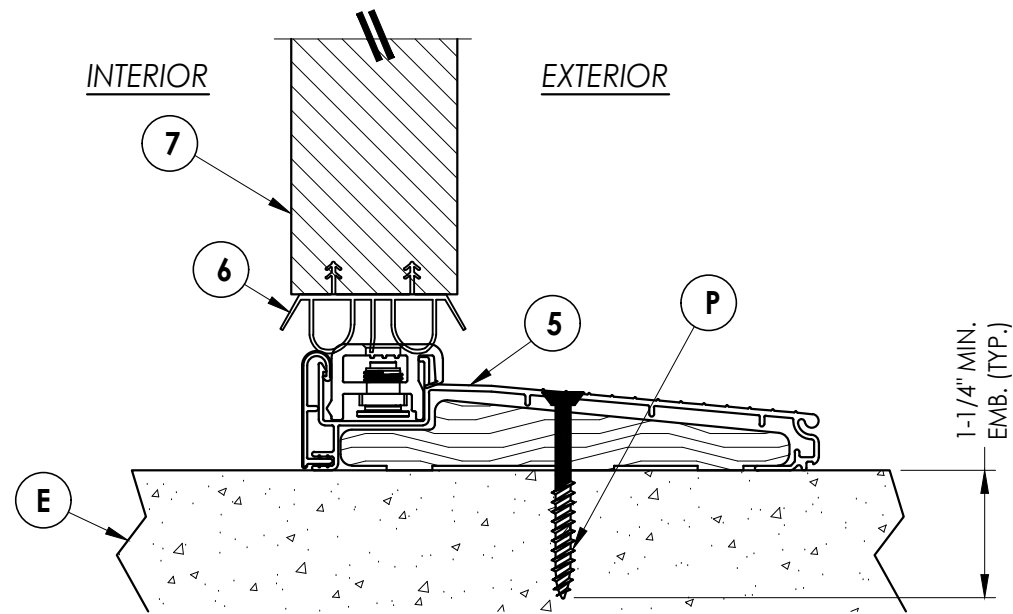
1 **VERTICAL CROSS SECTION**
5 Outswing shown



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



3 **VERTICAL CROSS SECTION**
5 Outswing sill



4 **VERTICAL CROSS SECTION**
5 Inswing sill

Documents Prepared By:
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P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
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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
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1	10/08/17	UPDATE TO 6TH ED. (2017) FBC JK

DATE: 7/17/15

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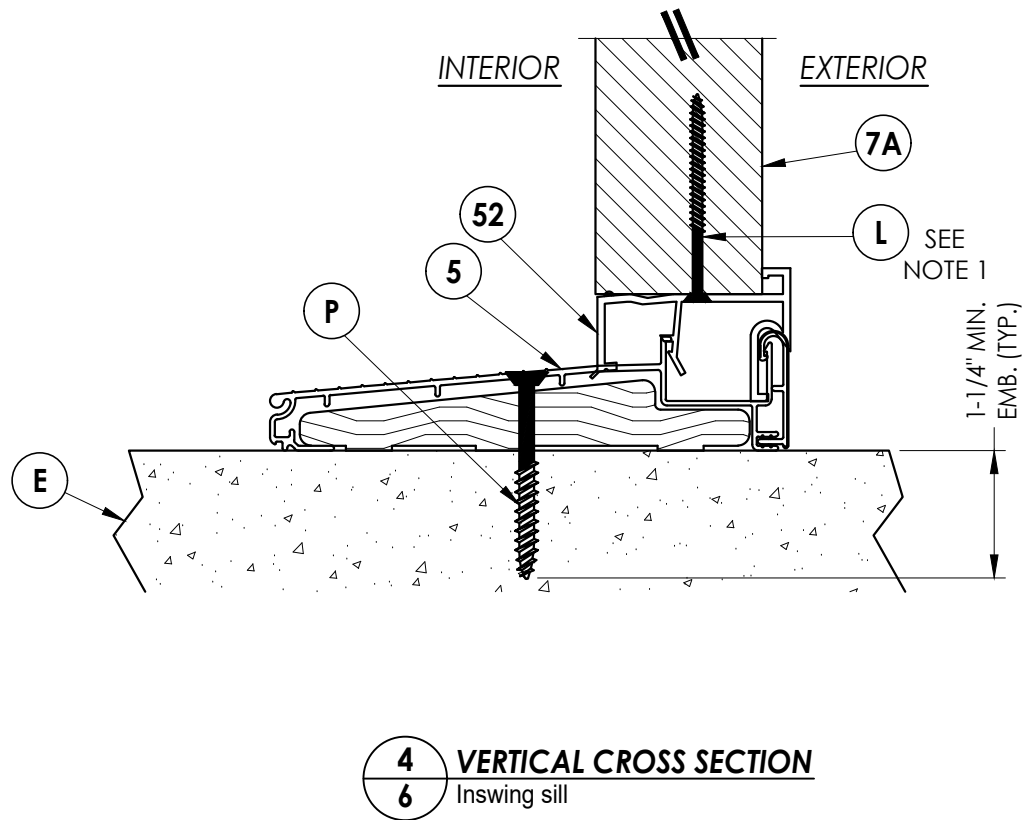
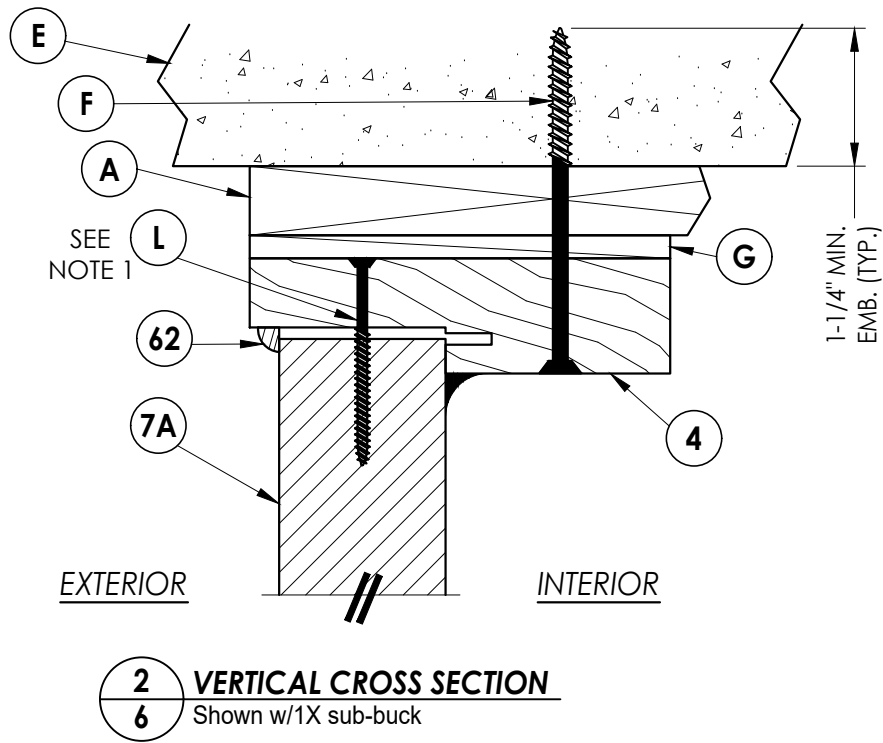
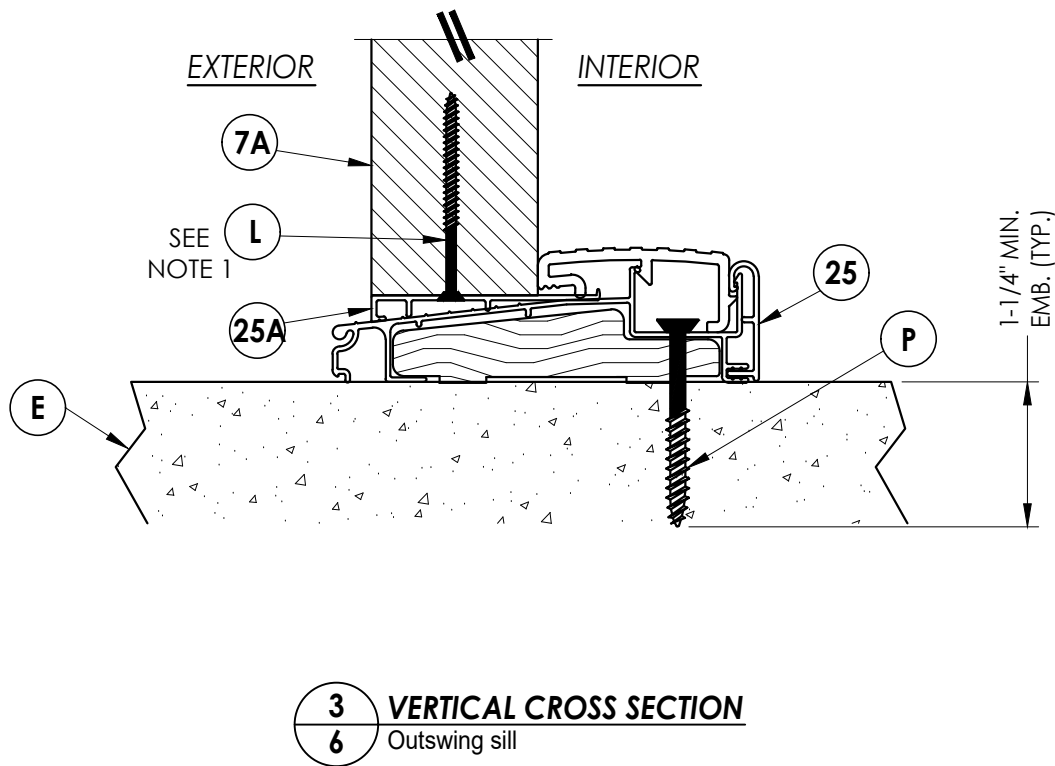
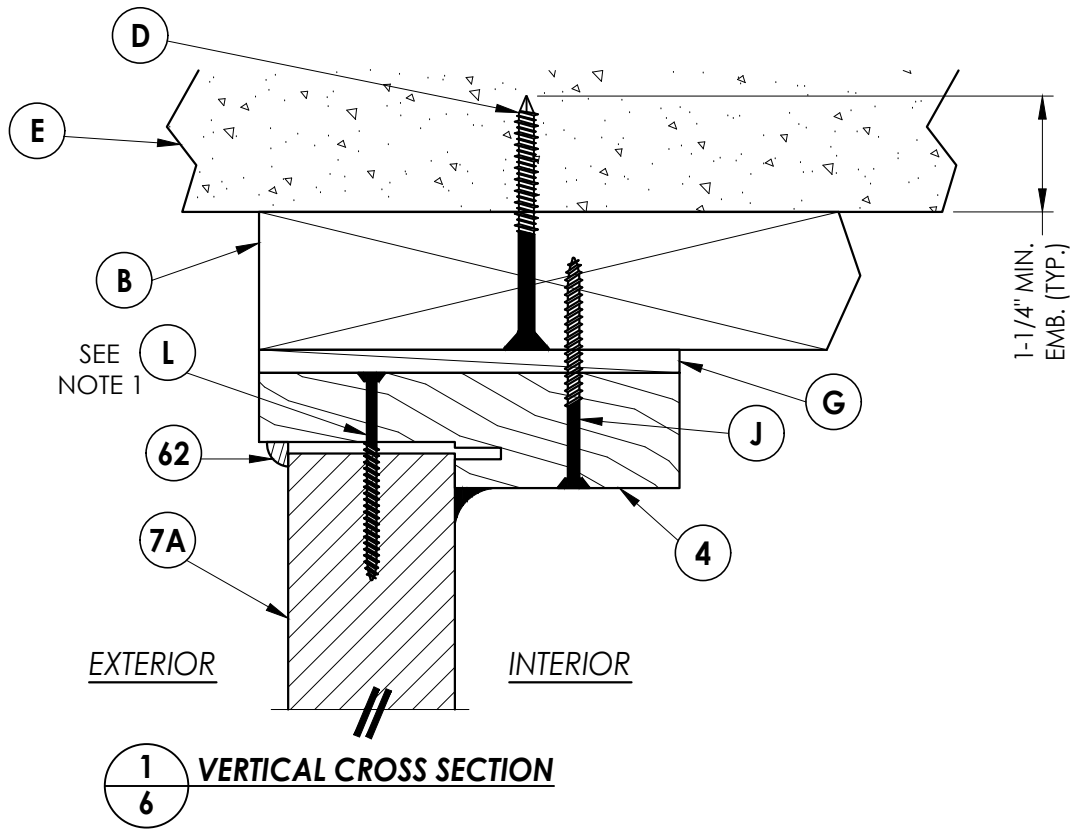
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-17901.5

SHEET 5 OF 11

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NOTE:

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

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FBPE Registry No. 9813

PRODUCT:

STEVES AND SONS

PART OR ASSEMBLY:

VERTICAL CROSS SECTIONS

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4	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
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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: 7/17/15

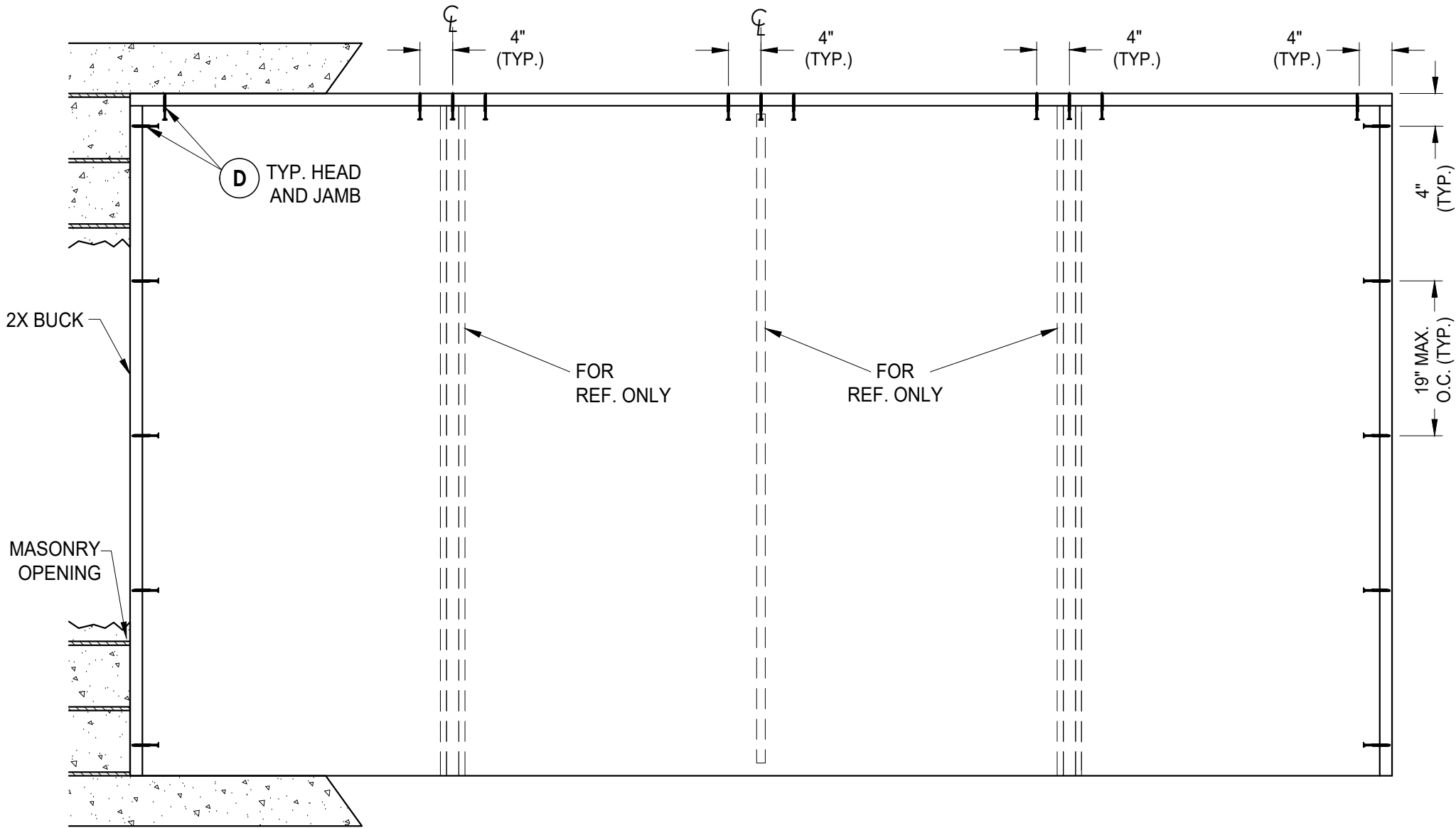
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DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-17901.5

SHEET 6 OF 11



BUCK ANCHORING

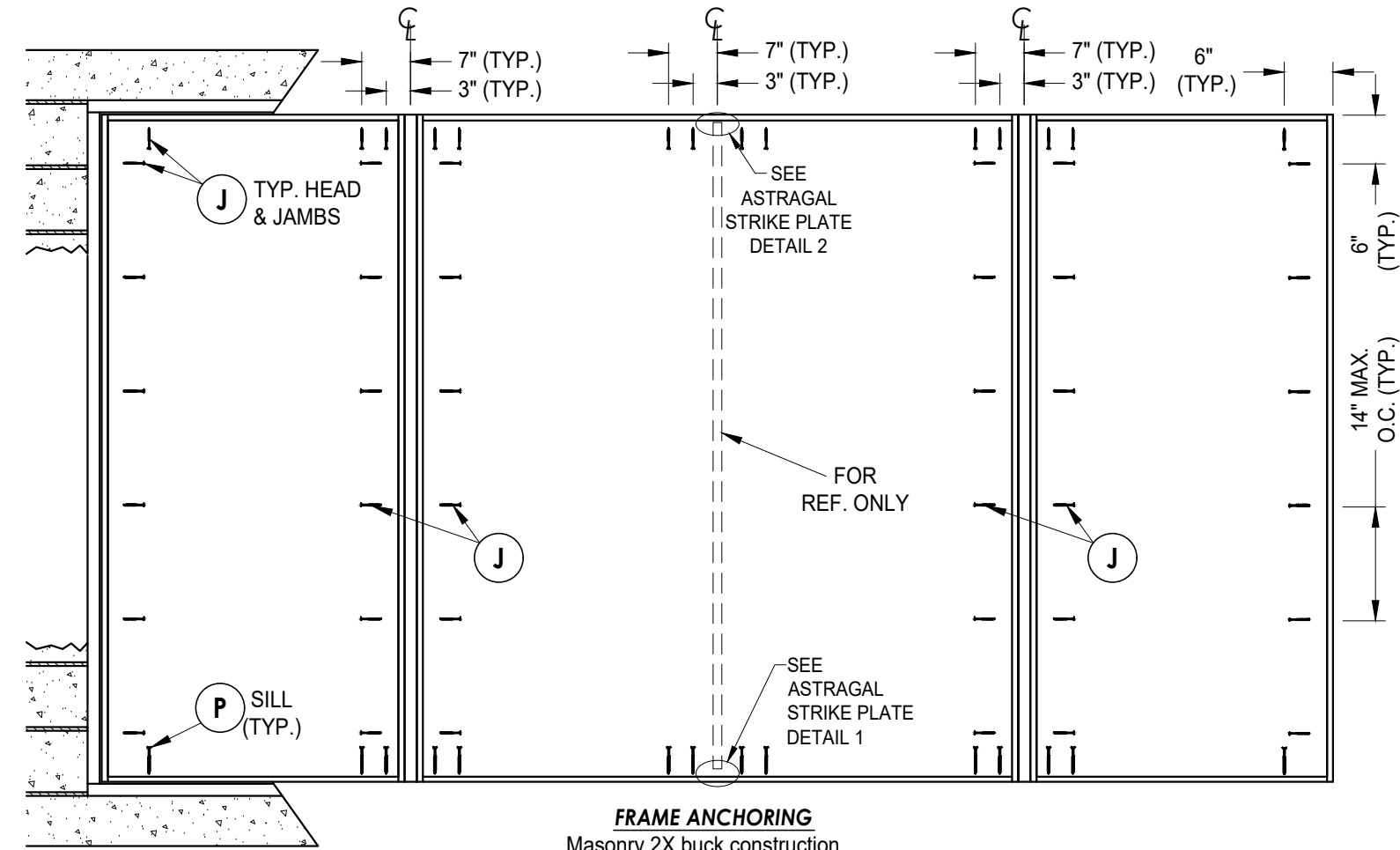
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DWG. BY: JK		3	8/07/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
CHK. BY: LFS		2	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
DRAWING NO.: FL-17901.5		1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
SHEET 7 OF 11							

PRODUCT:		STEVES AND SONS	
PART OR ASSEMBLY:		BUCK ANCHORING	

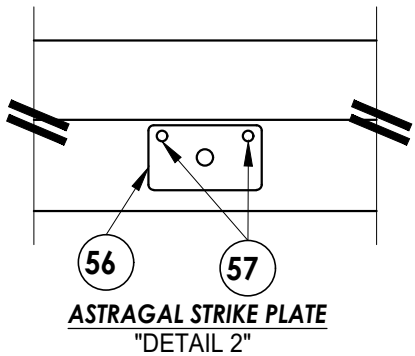
Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

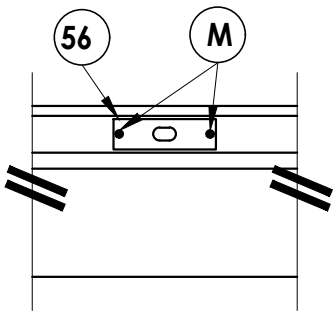
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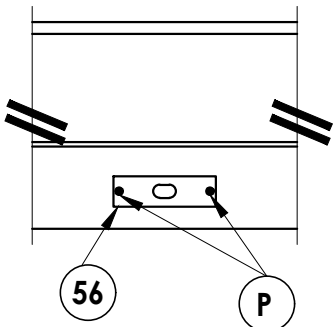
FRAME ANCHORING
Masonry 2X buck construction



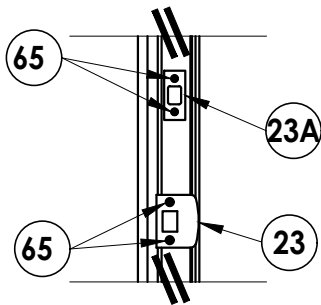
ASTRAGAL STRIKE PLATE
"DETAIL 2"



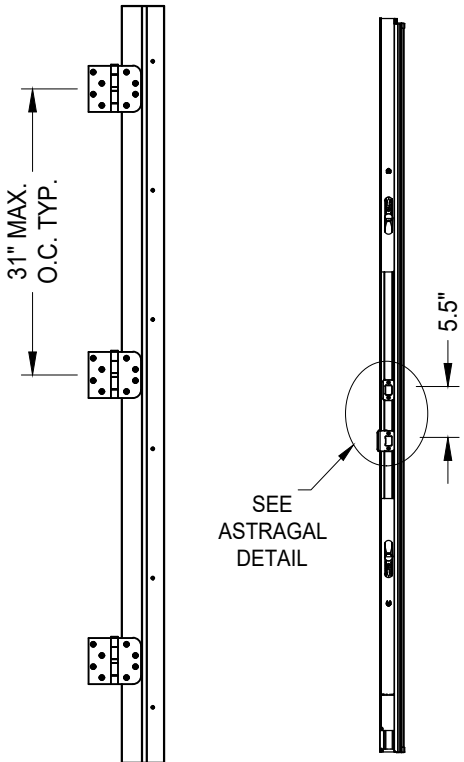
ASTRAGAL STRIKE PLATE
"DETAIL 1"- INSWING



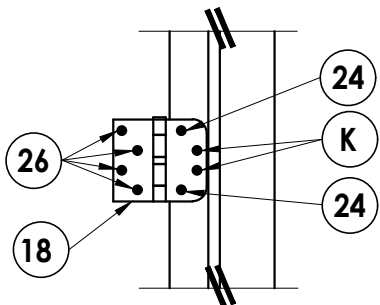
ASTRAGAL STRIKE PLATE
"DETAIL 1" - OUTSWING



ASTRAGAL DETAIL



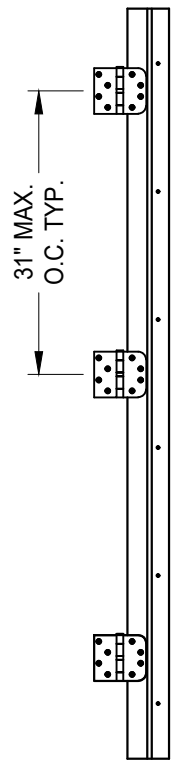
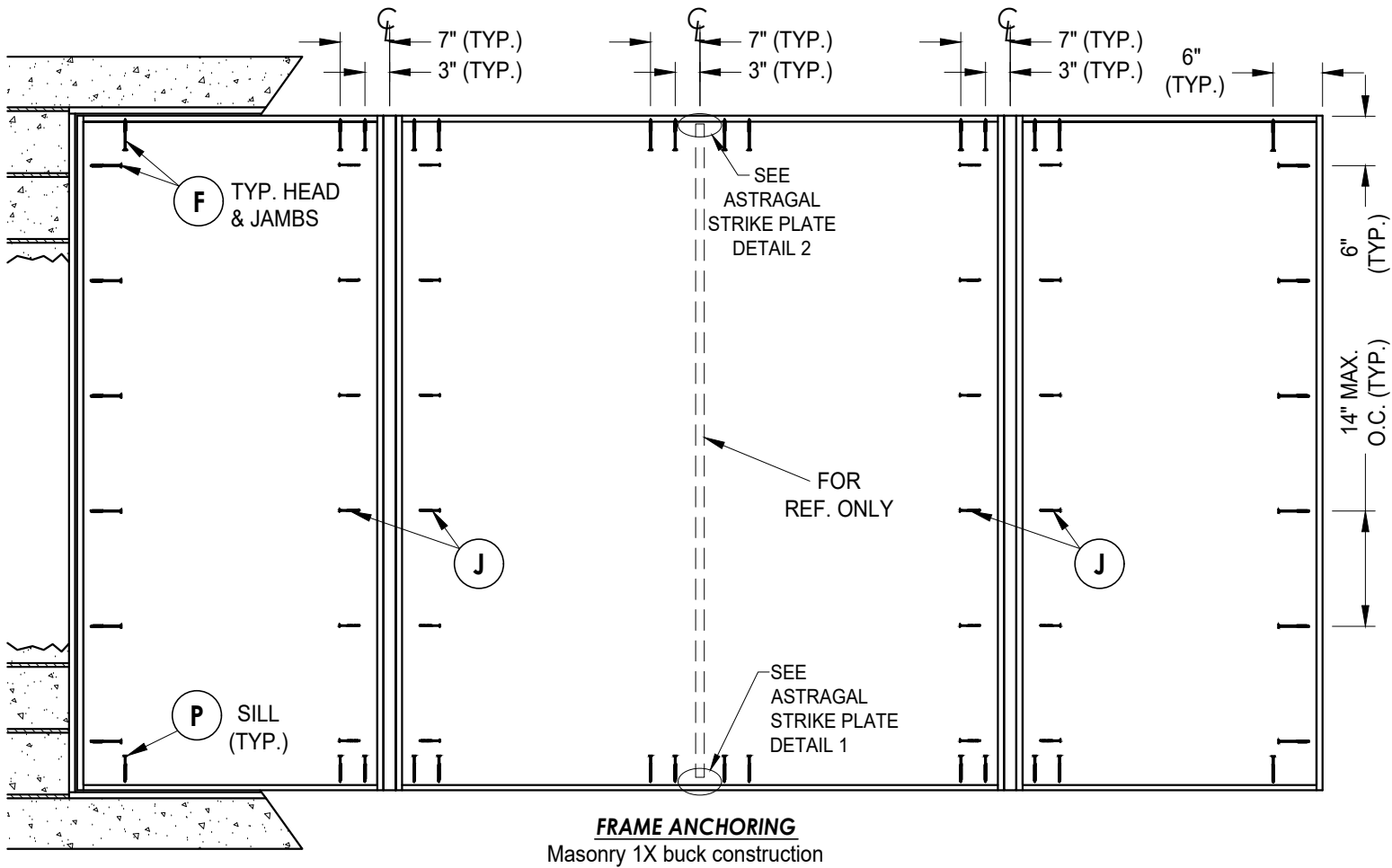
HINGE JAMB **ASTRAGAL**



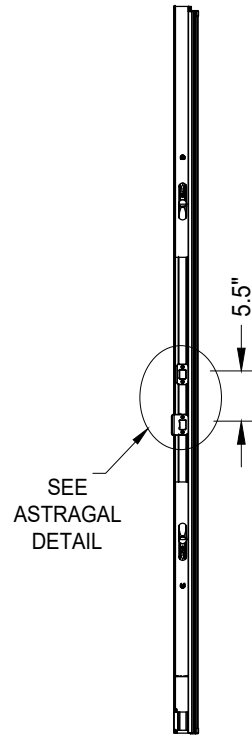
HINGE DETAIL

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		PART OR ASSEMBLY: FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION	
		UPDATE TO 9TH ED. (2026)	FBC
4	7/01/26	UPDATE TO 8TH ED. (2023)	FBC
3	8/07/23	UPDATE TO 7TH ED. (2020)	FBC
2	9/16/20	UPDATE TO 6TH ED. (2017)	FBC
1	10/08/17		JK
NO.	DATE	REVISIONS	
DATE: 7/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17901.5			
SHEET 8 OF 11			

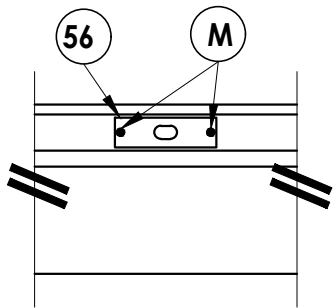
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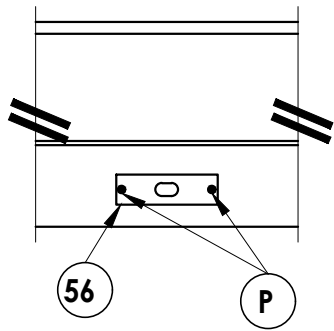
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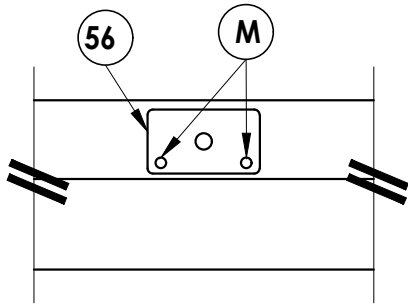
ASTRAGAL



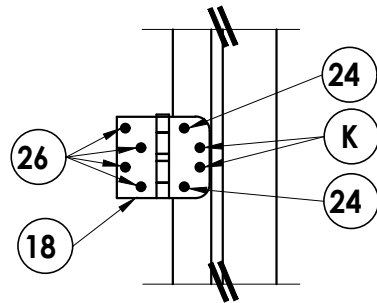
ASTRAGAL STRIKE PLATE
"DETAIL 1"- INSWING



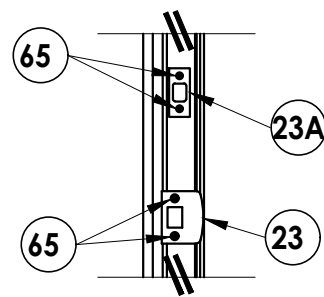
ASTRAGAL STRIKE PLATE
"DETAIL 1" - OUTSWING



ASTRAGAL STRIKE PLATE
"DETAIL 2"



HINGE DETAIL



ASTRAGAL DETAIL

NO.	DATE	REVISIONS
4	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
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DATE:	7/17/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17901.5
SHEET	9 OF 11

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

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

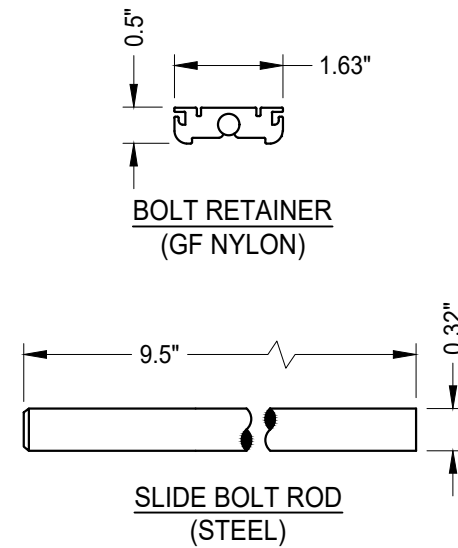
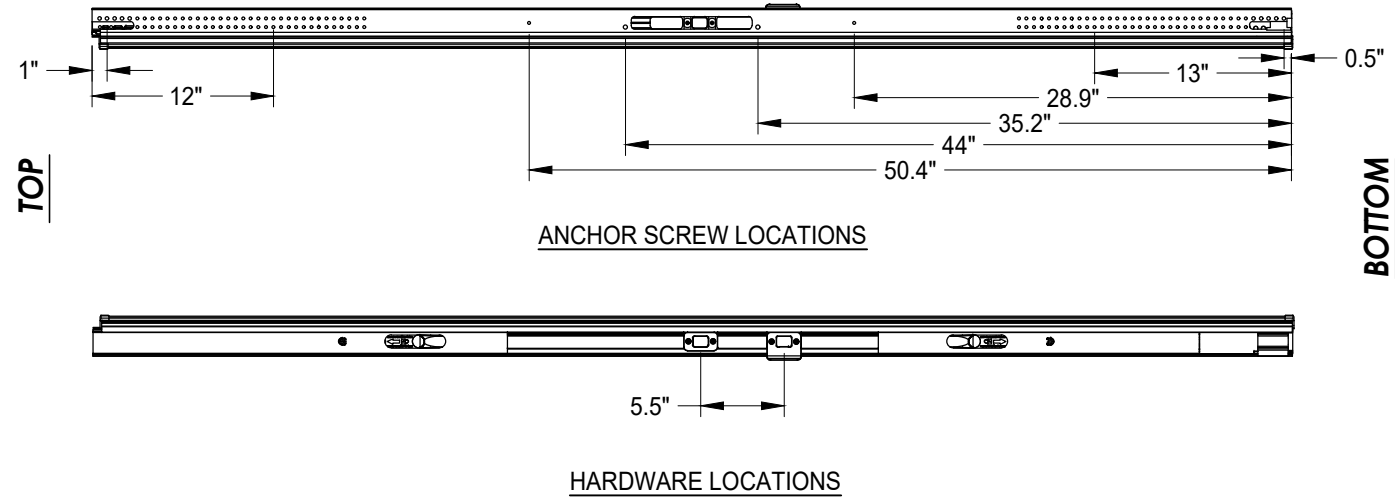
Technical drawing of a 1.75 inch wide, 2.65 inch high, 0.063 inch thick extruded aluminum profile. The profile has a complex shape with multiple flanges and a central vertical section.

A technical diagram of a slide bolt rod assembly. The diagram shows a vertical rod with several components. Labels with leader lines point to the following parts:

- BOLT RETAINERS**: Points to the top of the rod assembly.
- SLIDE BOLT ROD**: Points to the main vertical rod.
- ALUMINUM ASTRAGAL**: Points to the bottom of the rod assembly.

55 ALUMINUM ASTRAGAL

By Endura Products



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			BY

DATE:	7/17/15
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DRAWING NO.:	FL-17901.5
SHEET	10 OF 11

Documents Prepared By:
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