



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

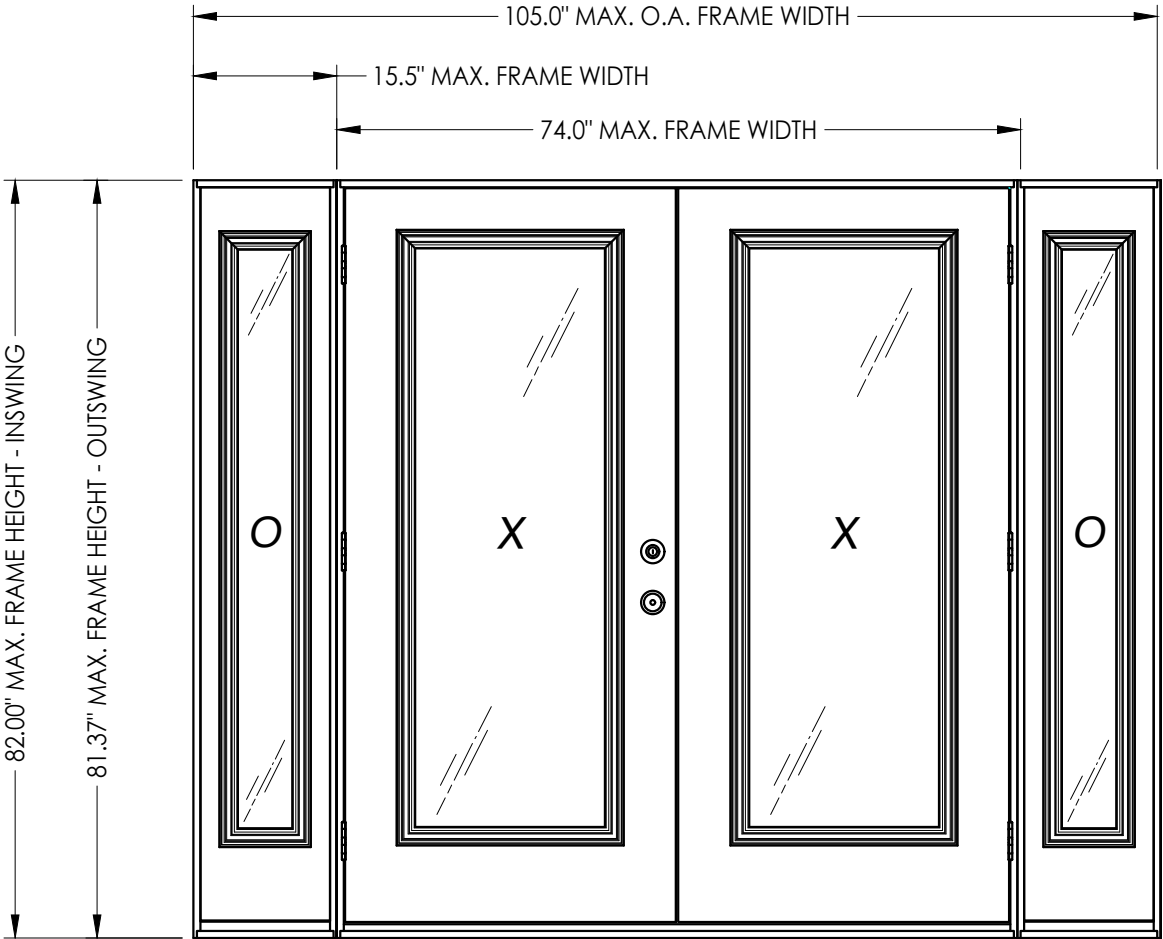
GLAZED STEEL DOUBLE DOOR
w/ SIDELITES

INSWING / OUTSWING
"NON-IMPACT"

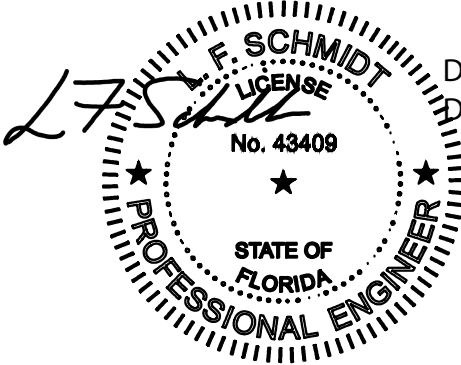
GENERAL NOTES

- 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).
- 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 elevation, design pressures & general notes
2	Door panel construction details and glazing detail
3	Sidelite panel construction details and 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	Astragal details
10	Bill of materials and components



SWING	MAX. FRAME DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
INSWING	105.0" x 82.00"	G1	+30.0	-30.0
OUTSWING	105.0" x 81.37"		+30.0	-35.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.07 09:30:19 -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

STEVE'S AND SONS

PRODUCT:

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

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

REVISIONS

DATE: 7/18/15

SCALE: N.T.S.

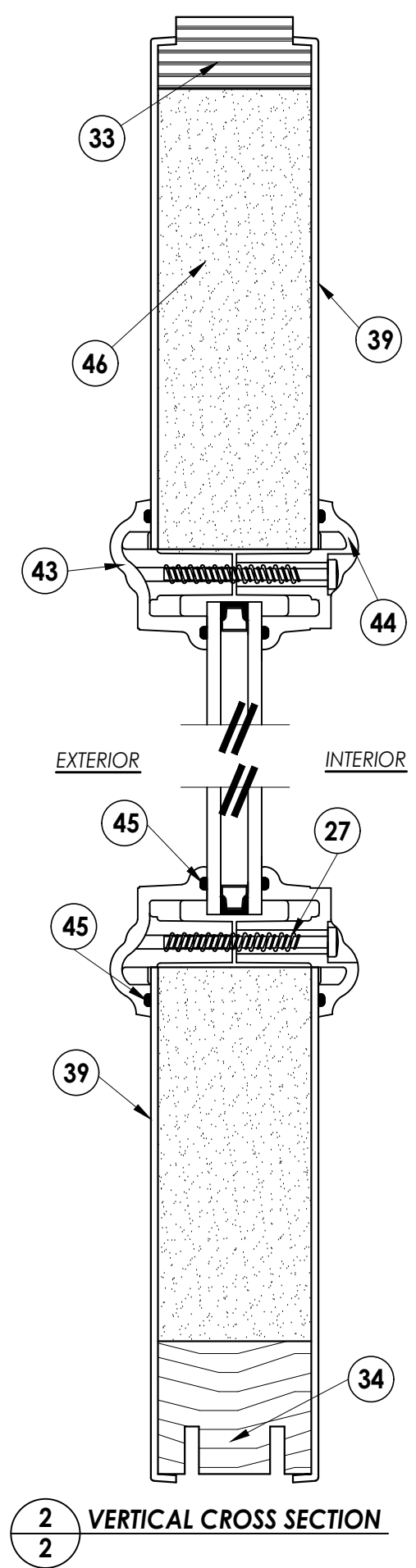
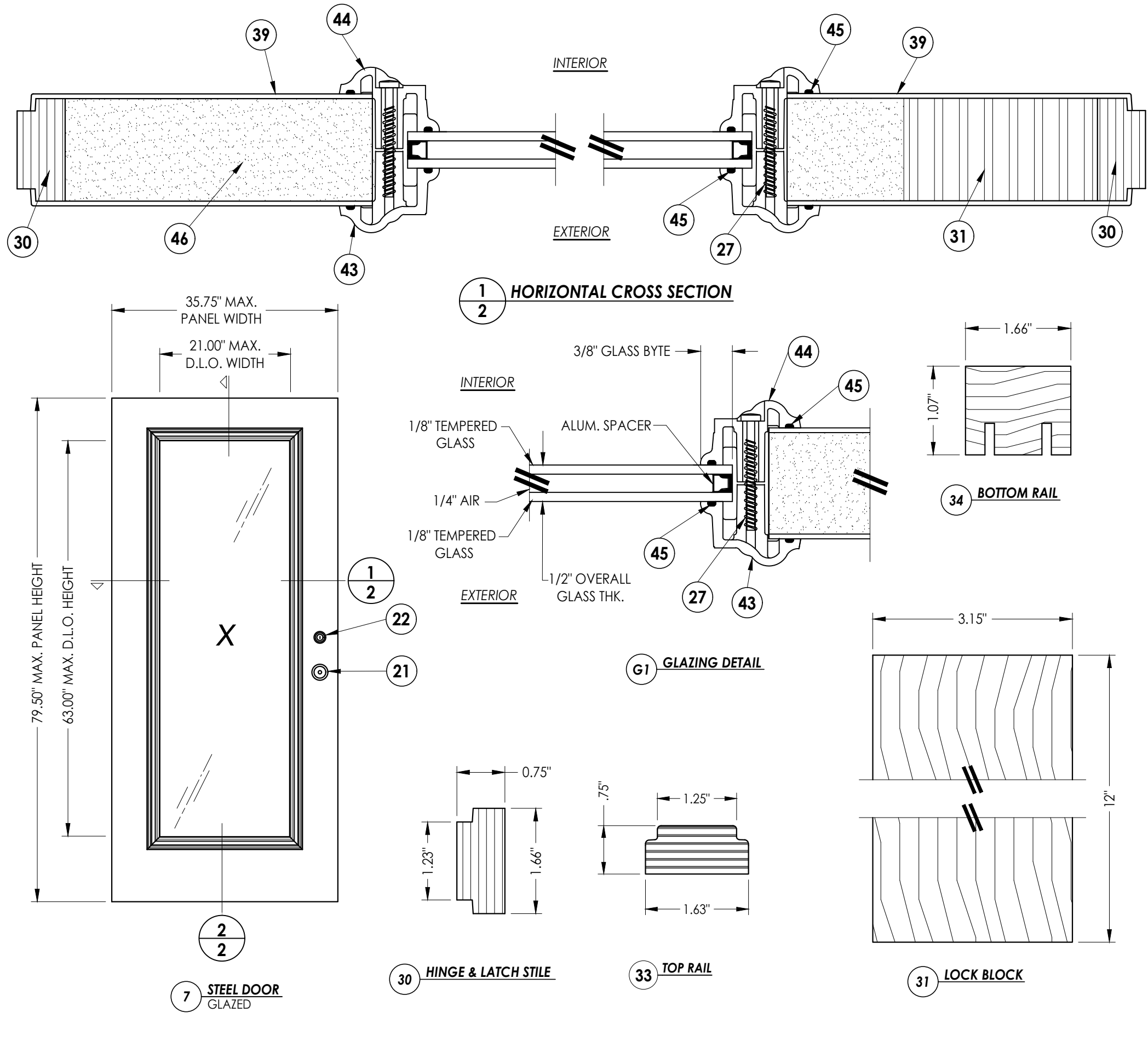
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-17903.10

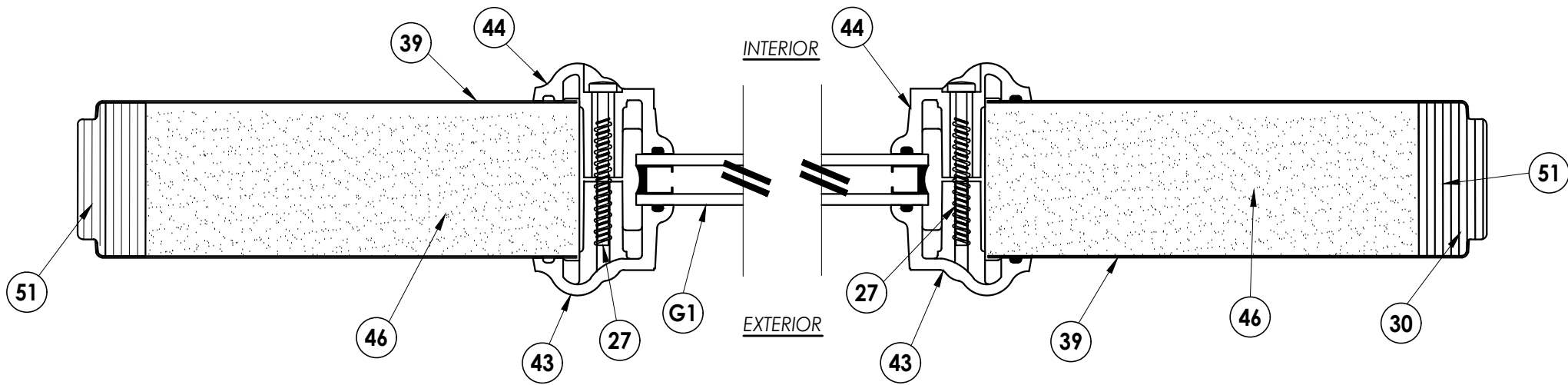
SHEET 1 OF 10

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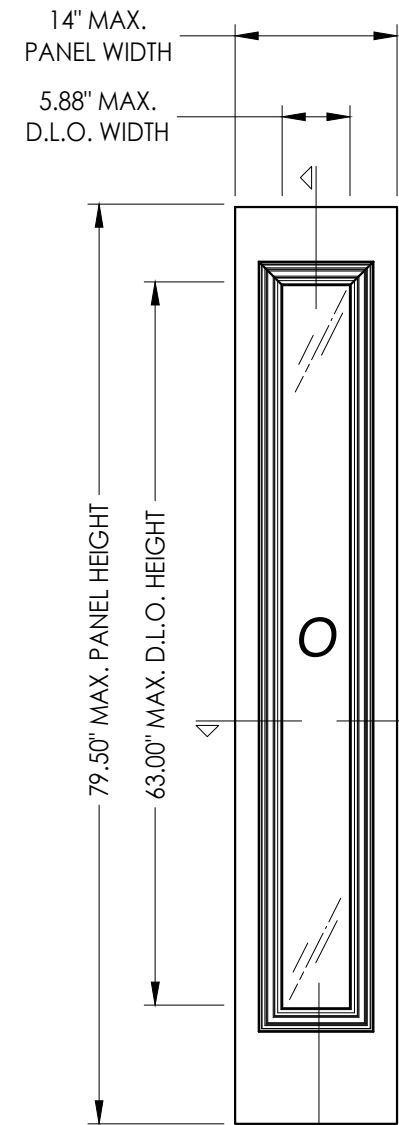


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT:		STEVE'S AND SONS		PART OR ASSEMBLY: DOOR PANEL CONSTRUCTION DETAILS AND GLAZING DETAIL			
				LFS	FBC		
3	8/07/23	UPDATE TO 8TH ED. (2023)		LFS	FBC		
2	9/16/20	UPDATE TO 7TH ED. (2020)		LFS	FBC		
1	10/08/17	UPDATE TO 6TH ED. (2017)		JK	FBC		
	NO.	DATE		BY			
				REVISIONS			
DATE: 7/18/15							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-17903.10							
SHEET 2 OF 10							

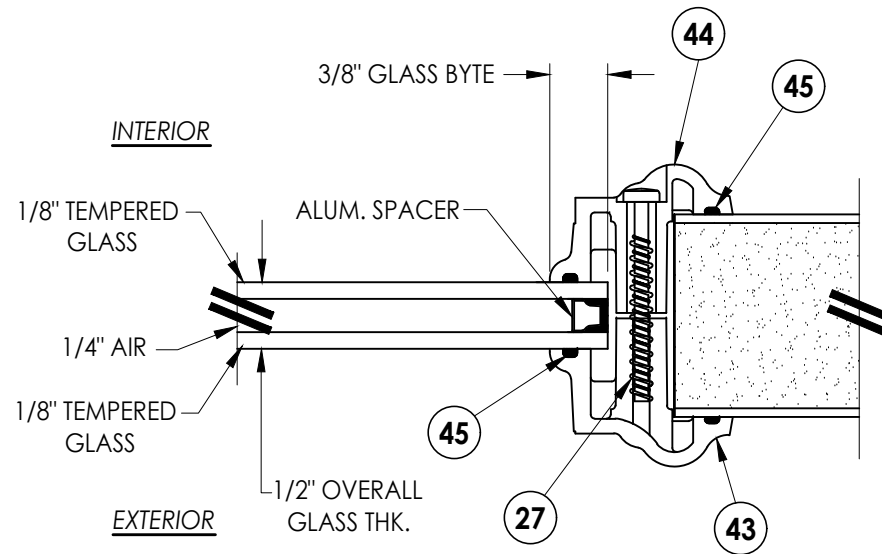
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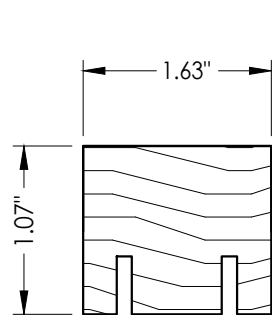
1
3 HORIZONTAL CROSS SECTION



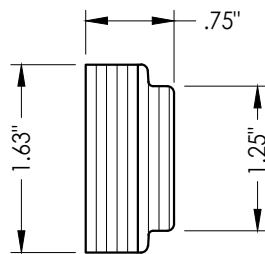
50 STEEL SIDELITE
GLAZED



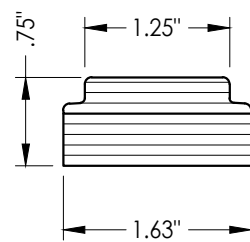
G1 GLAZING DETAIL



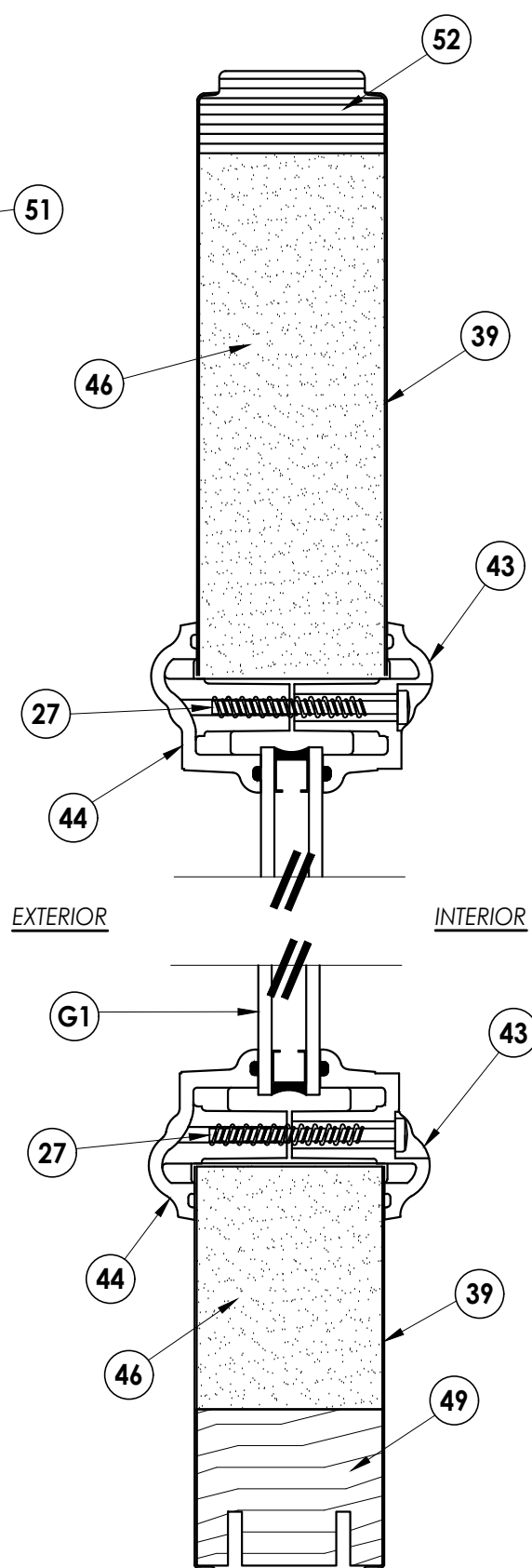
49 SIDELITE BOTTOM RAIL



51 SIDELITE STILE



52 SIDELITE TOP RAIL



2
3 VERTICAL CROSS SECTION

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RW BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

PRODUCT:
STEVE'S AND SONS

PART OR ASSEMBLY:
SIDELITE PANEL CONSTRUCTION
DETAILS AND 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

DATE: 7/18/15

SCALE: N.T.S.

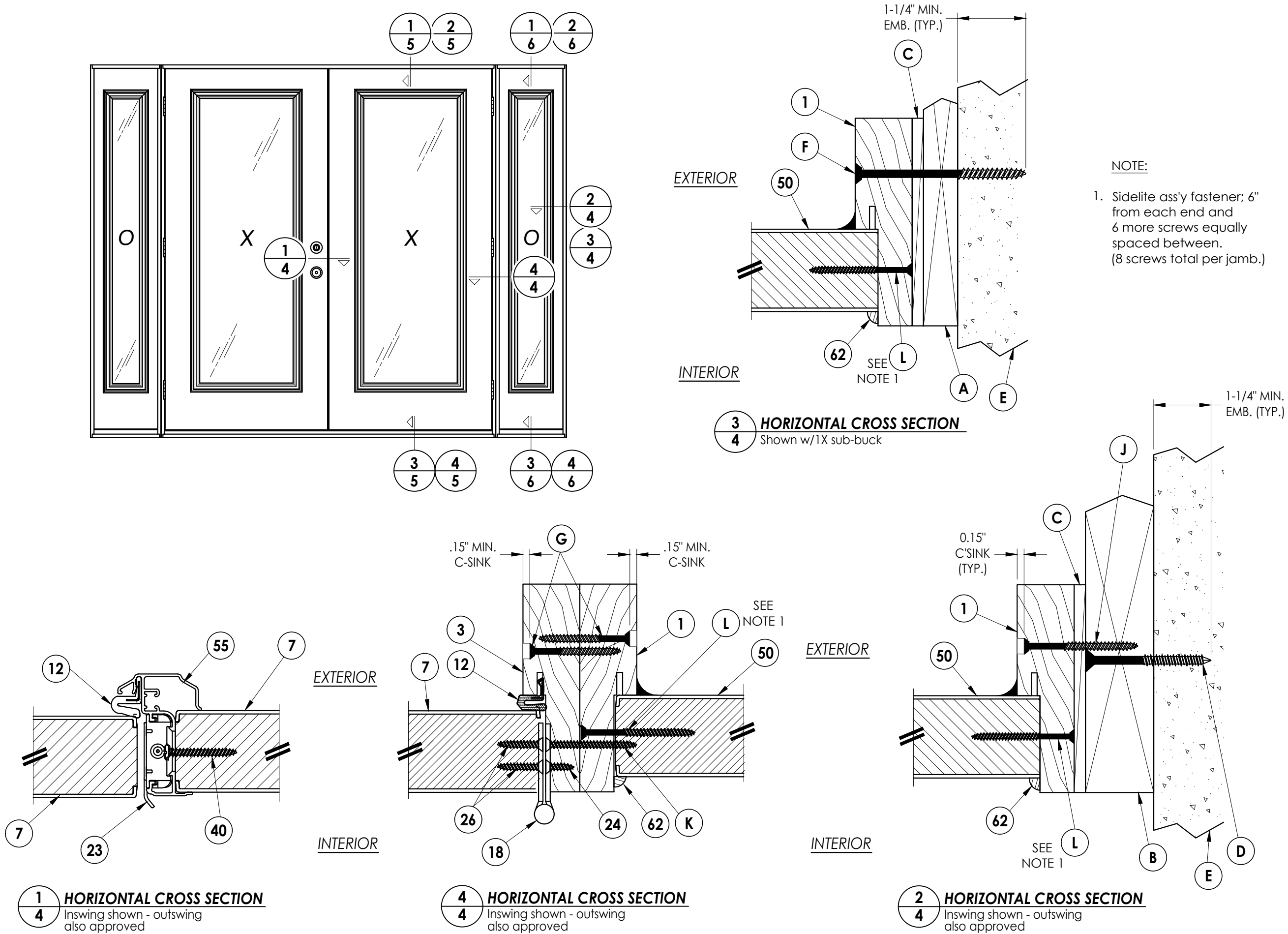
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-17903.10

SHEET 3 OF 10

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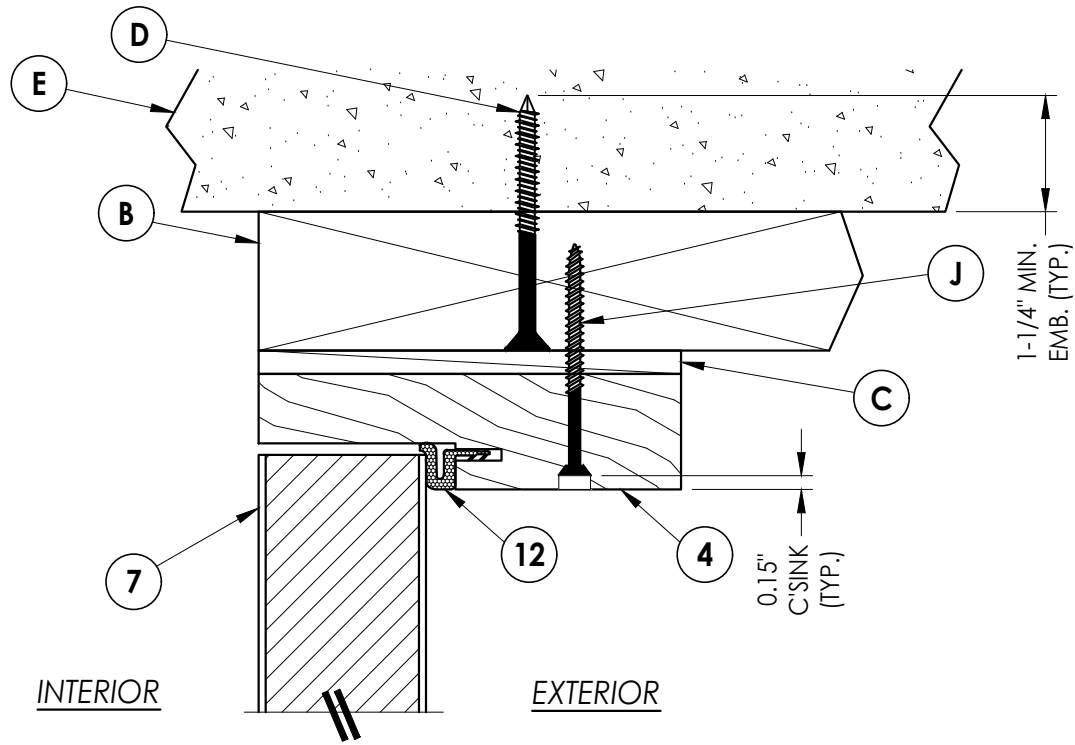
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PRODUCT:
STEVES AND SONS

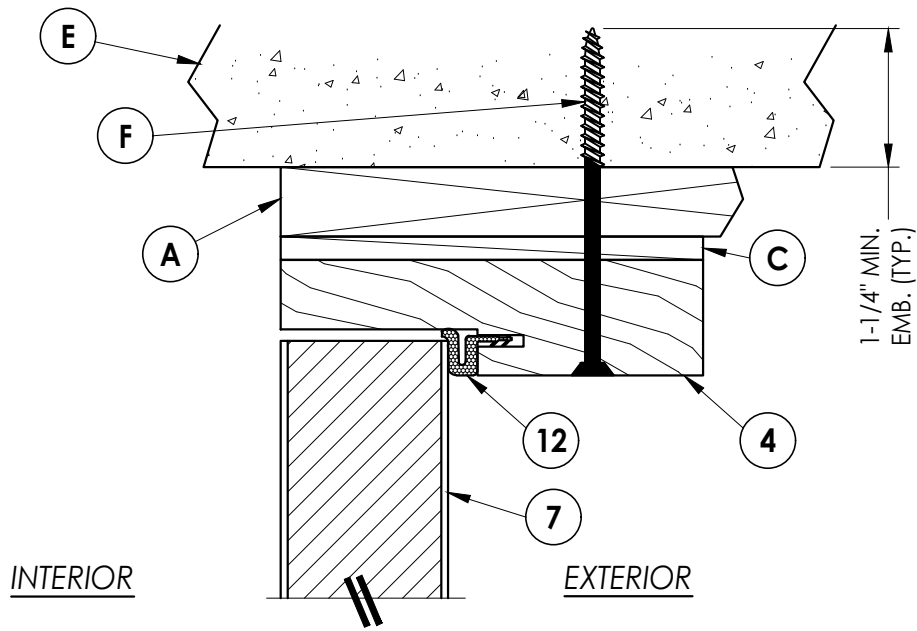
PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

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

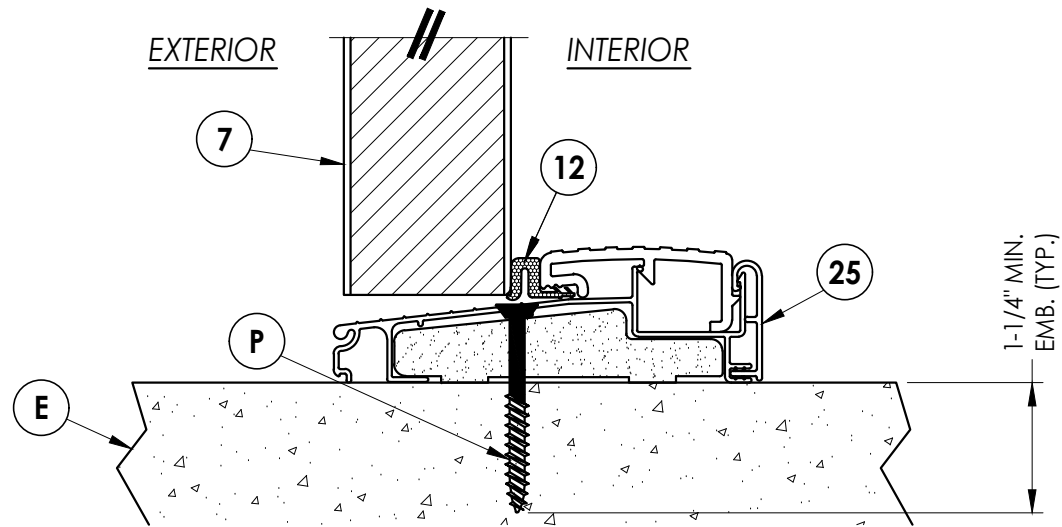
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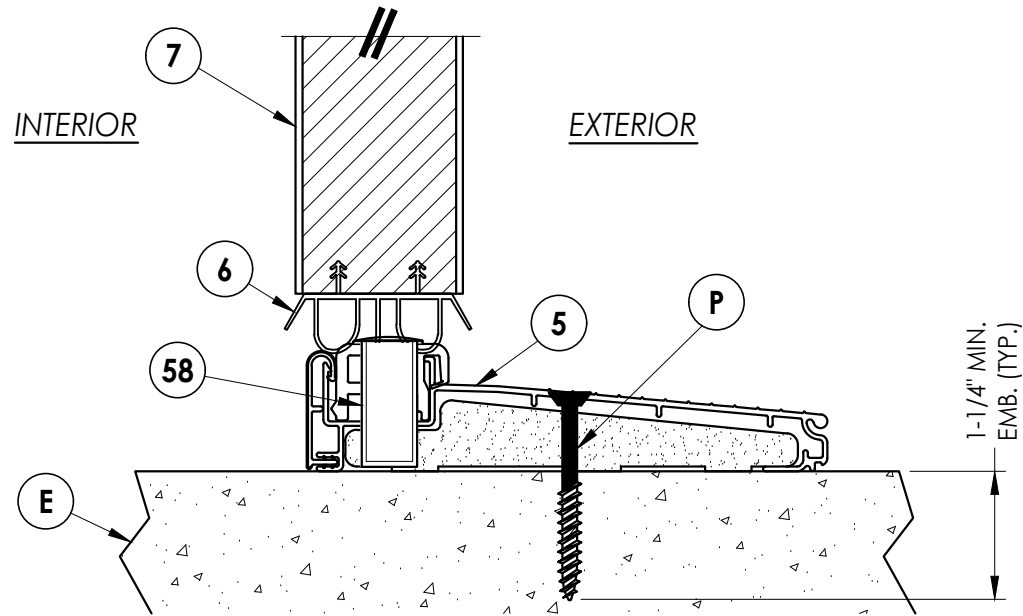
1 **VERTICAL CROSS SECTION**
5 Inswing shown - outswing
also approved



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



3 **VERTICAL CROSS SECTION**
5 Outswing sill



4 **VERTICAL CROSS SECTION**
5 Inswing sill

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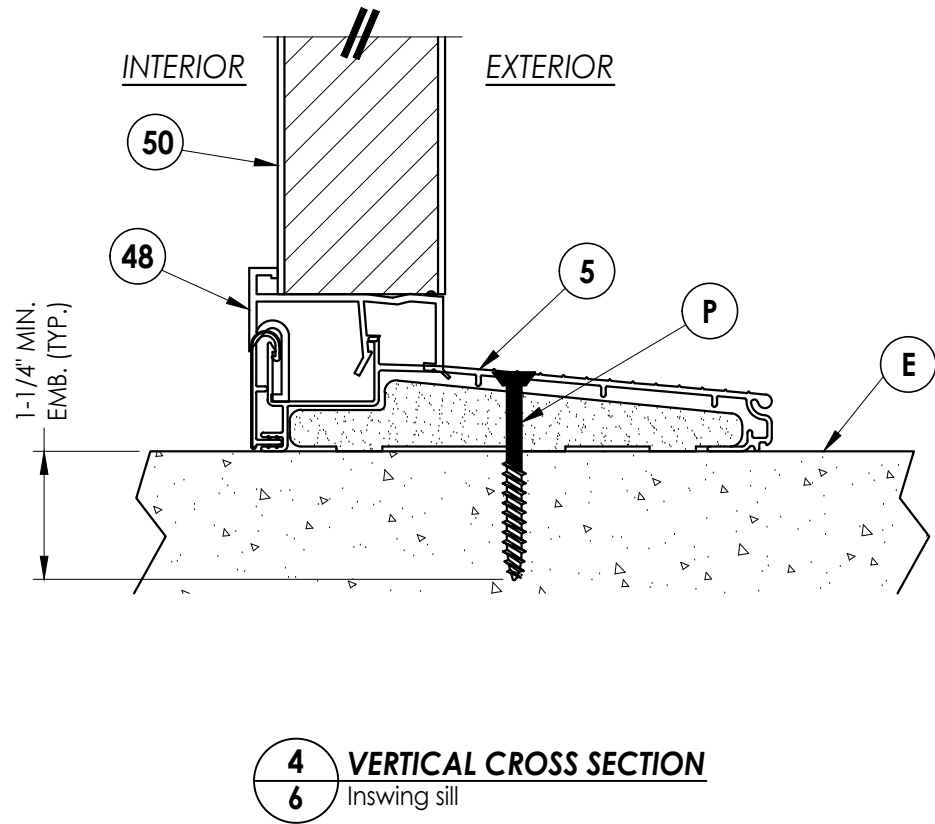
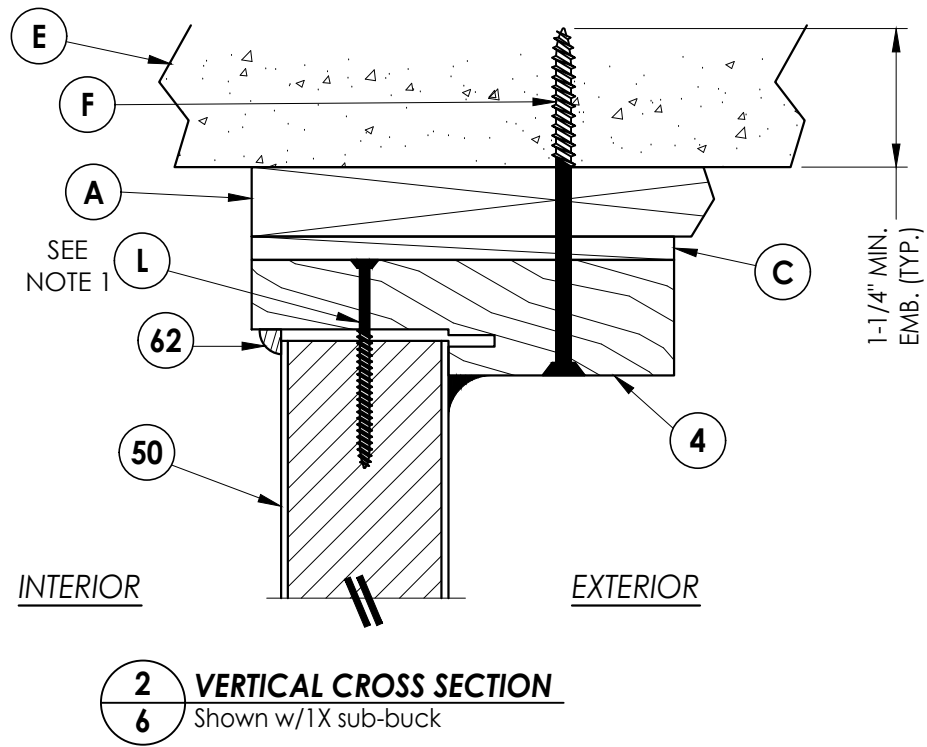
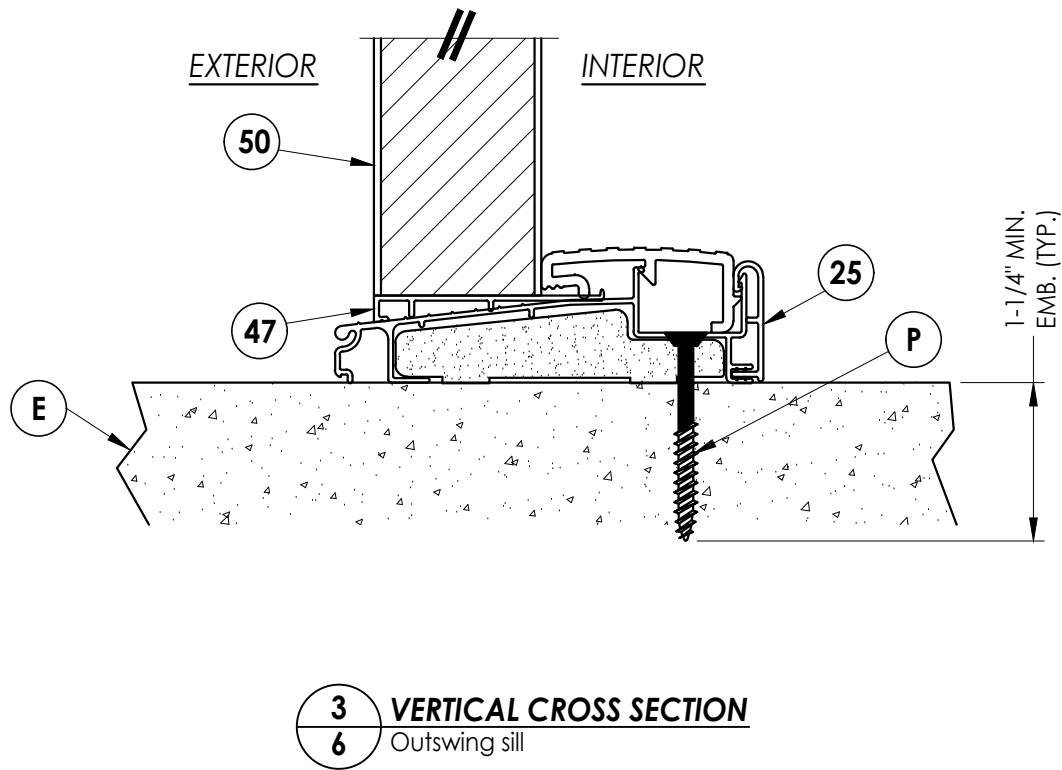
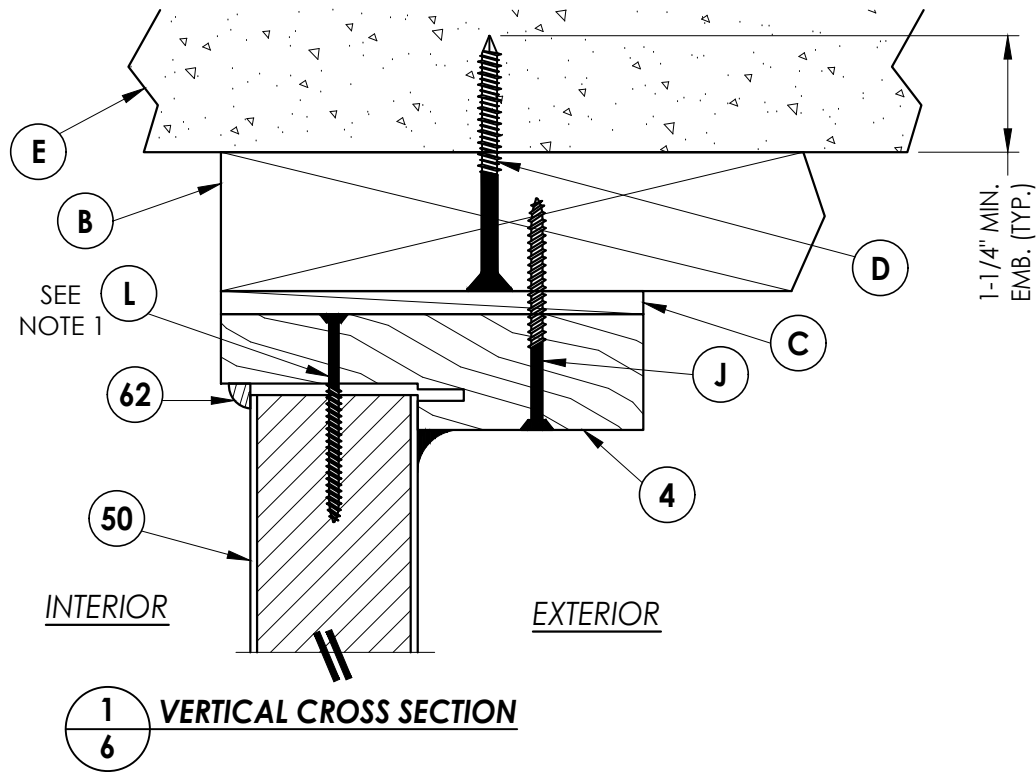
PRODUCT:
STEVES AND SONS

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

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
CHK. BY: LFS
DRAWING NO.:
FL-17903.10
SHEET 5 of 10

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NOTE:
1. Screws thru head and sill jamb located 3" from each end and on center line.

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FBPE Registry No. 9813

PRODUCT:
STEVE'S AND SONS

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

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

DATE: 7/18/15

SCALE: N.T.S.

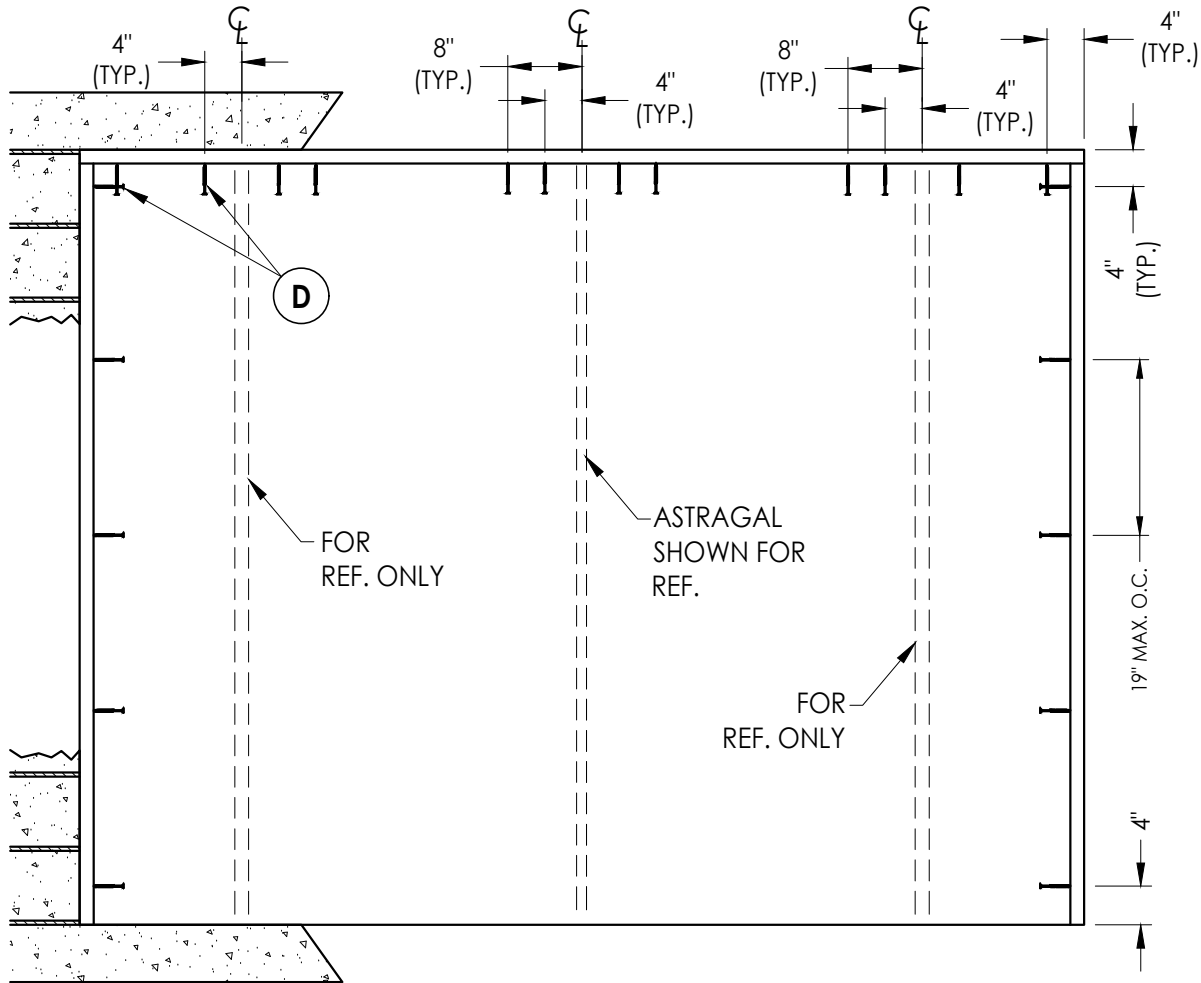
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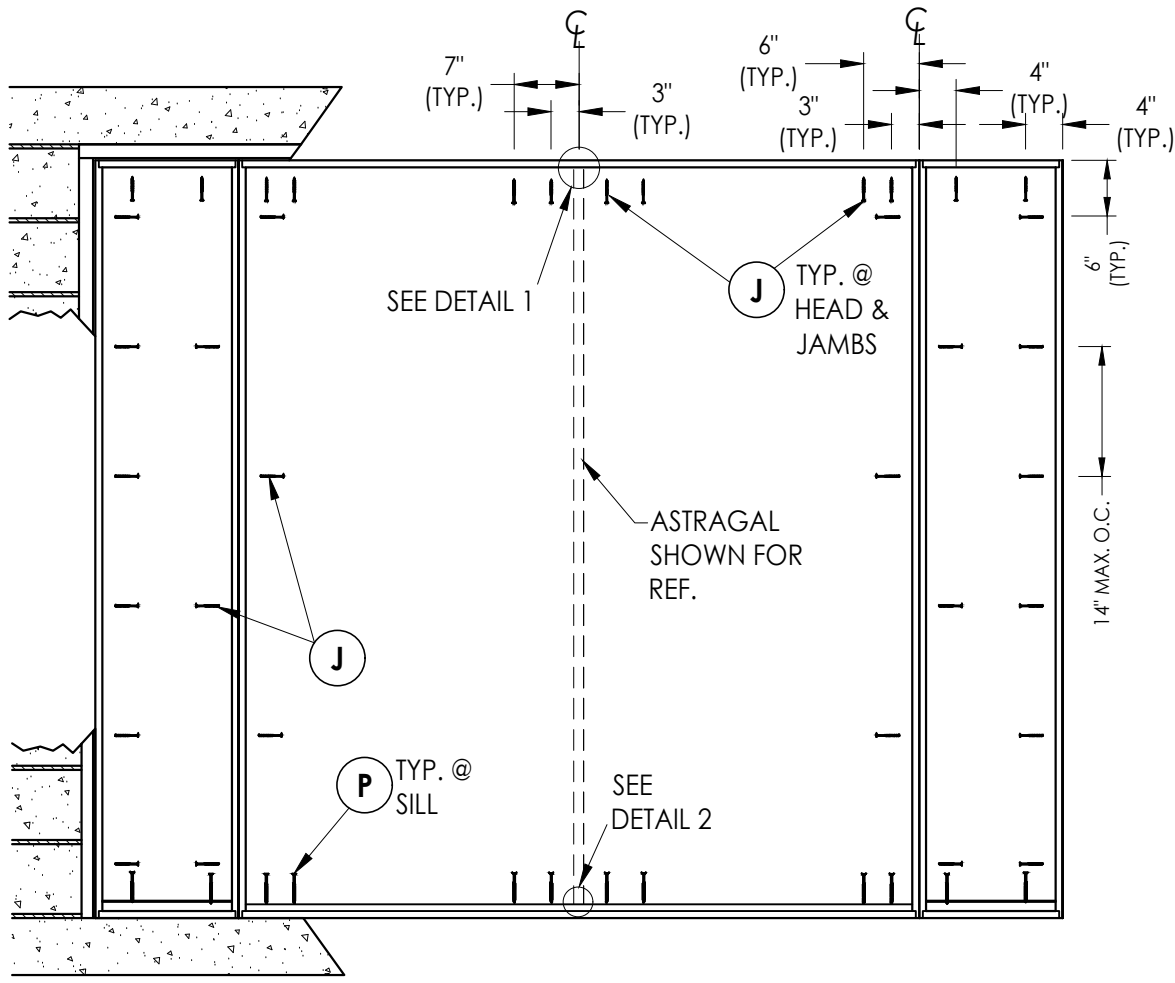
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SHEET 6 OF 10

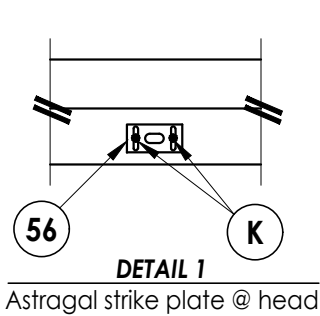
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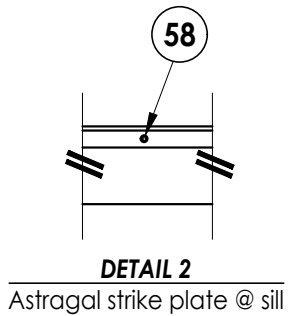
BUCK ANCHORING



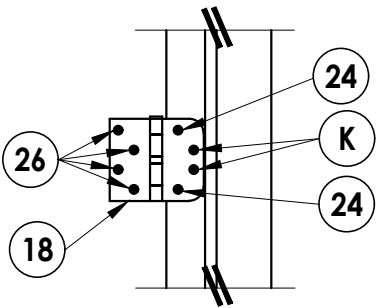
FRAME ANCHORING
Masonry 2X buck construction



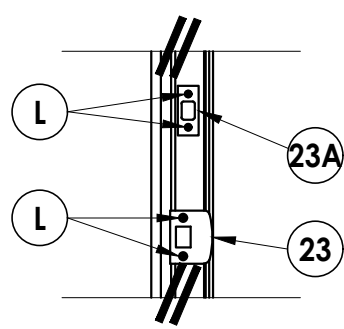
DETAIL 1
Astragal strike plate @ head



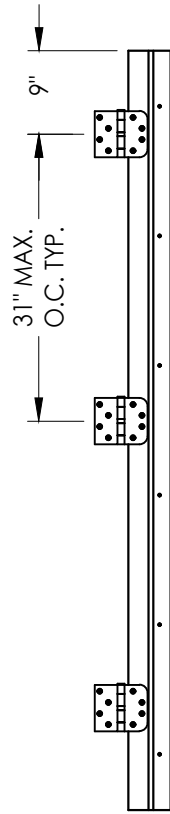
DETAIL 2
Astragal strike plate @ sill



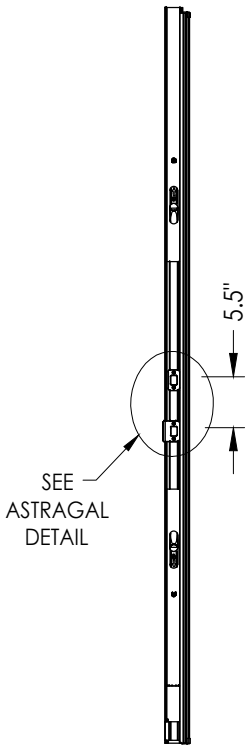
HINGE DETAIL 1



ASTRAGAL DETAIL
@ Strike



HINGE JAMB



ASTRAGAL
Strike

September 21, 2020

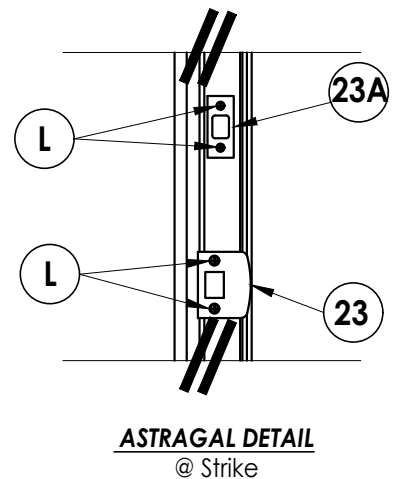
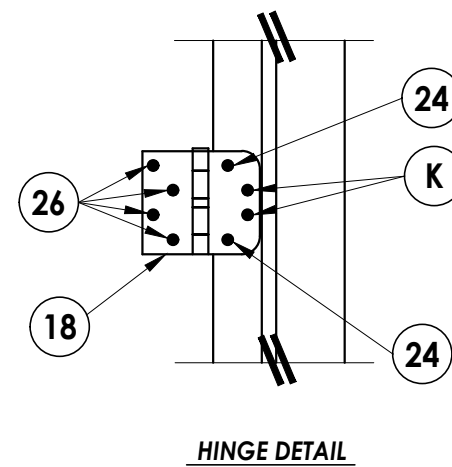
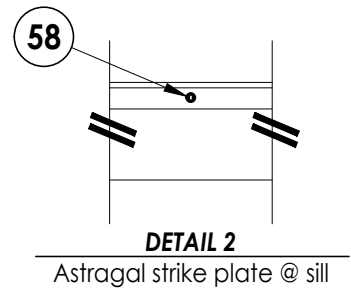
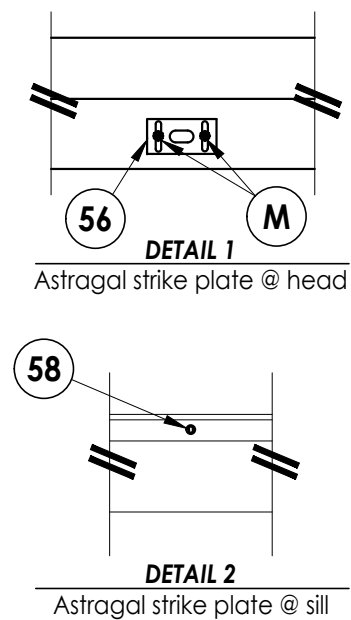
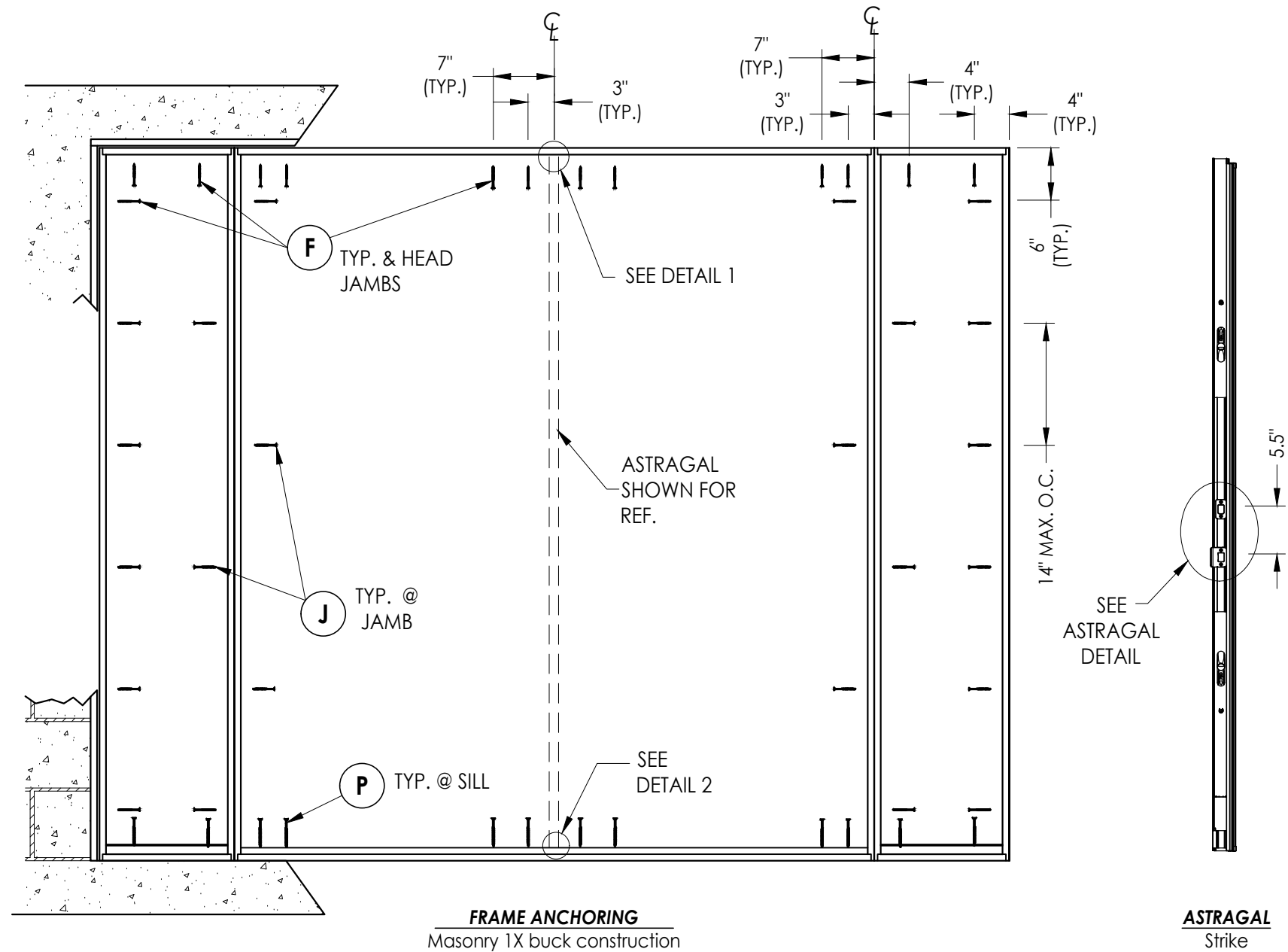
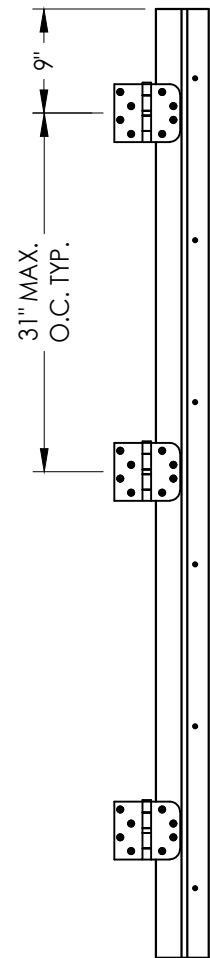
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

BW 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:
BUCK AND FRAME ANCHORING
2X BUCK MASONRY CONSTRUCTION

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
NO.	DATE	BY

DATE: 7/18/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17903.10
SHEET 7 OF 10

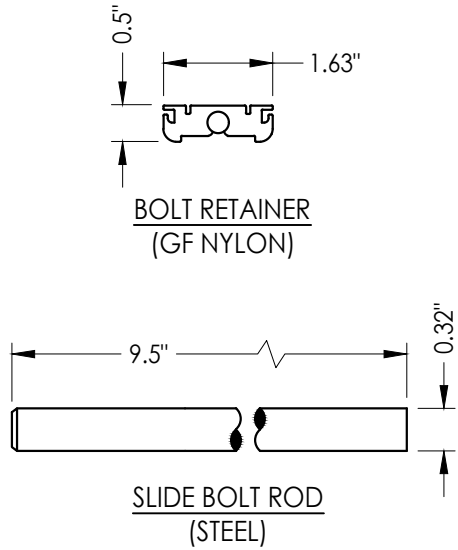
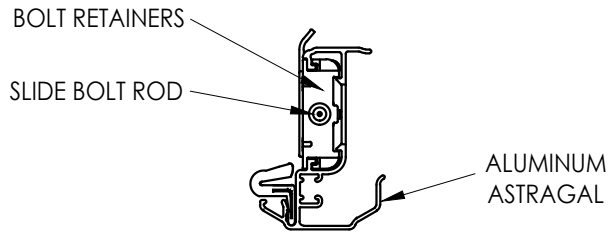
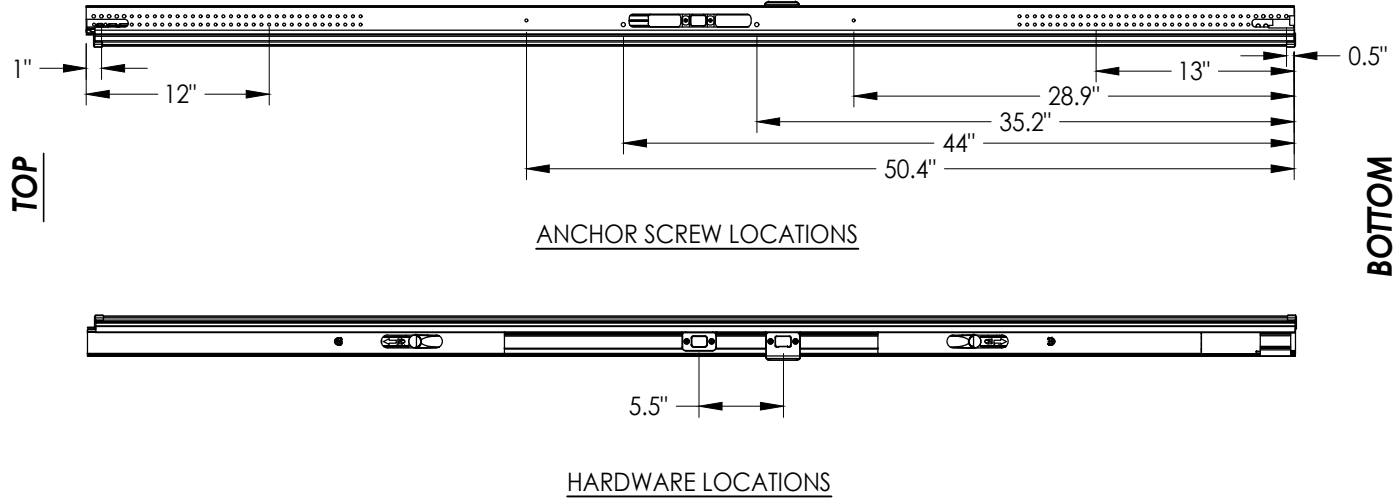
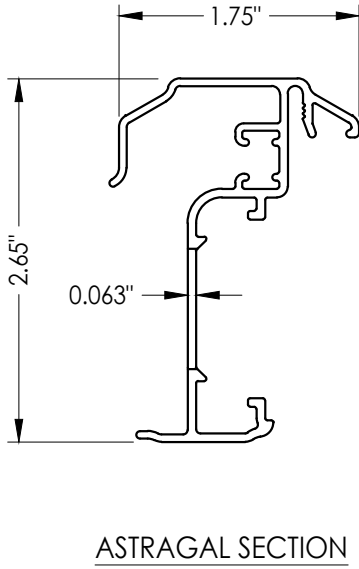
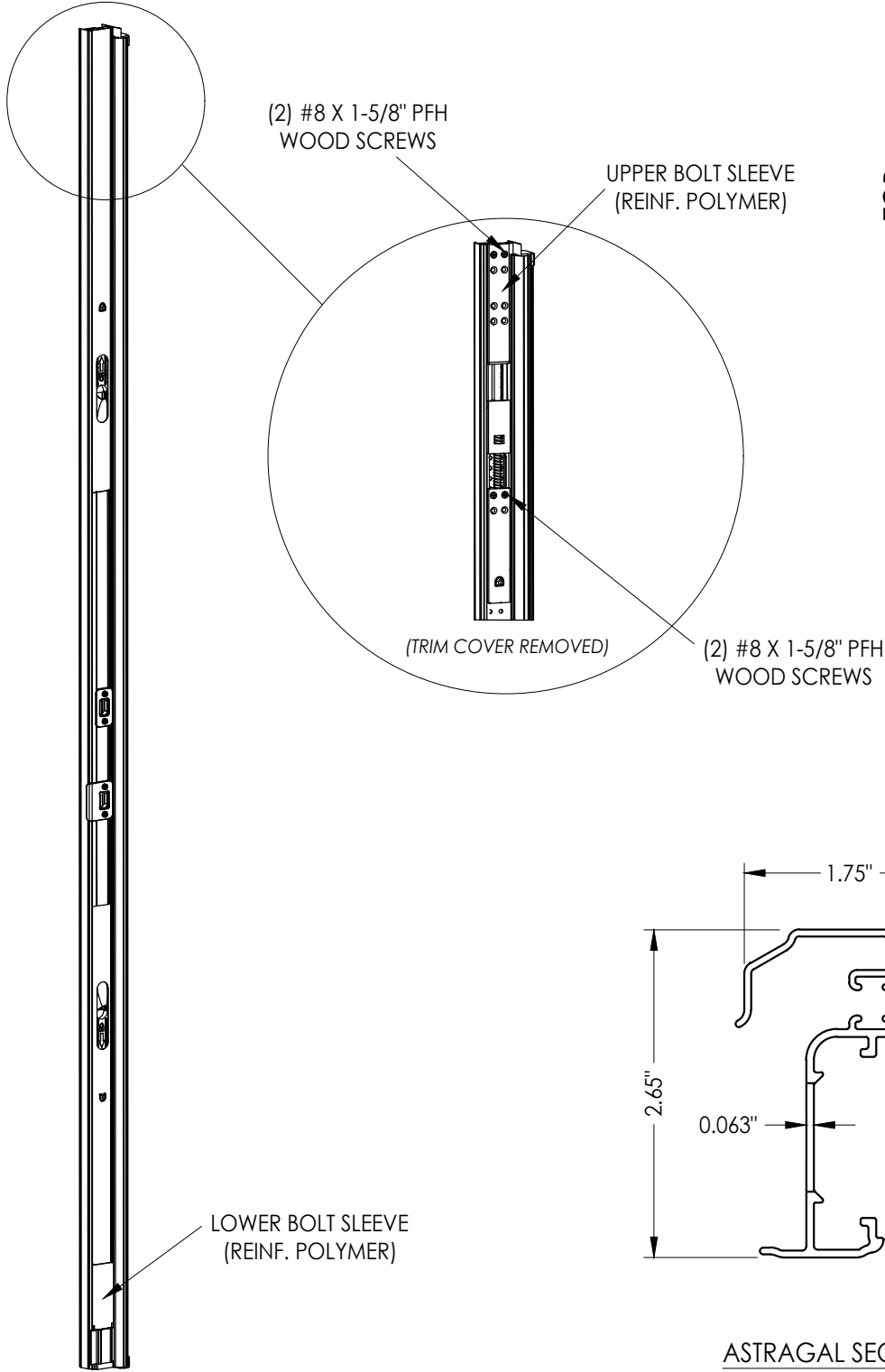
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PRODUCT:	STEVES AND SONS
PART OR ASSEMBLY:	FRAME ANCHORING 1X BUCK MASONRY CONSTRUCTION

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

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

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ULTIMATE HURRICANE ASTRAGAL

55 ALUMINUM ASTRAGAL
By Endura Products

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PRODUCT:		STEVE'S AND SONS		PART OR ASSEMBLY:	
				ASTRAGAL DETAILS	
			LFS	8/07/23	UPDATE TO 8TH ED. (2023) FBC
			LFS	9/16/20	UPDATE TO 7TH ED. (2020) FBC
			JK	10/08/17	UPDATE TO 6TH ED. (2017) FBC
			BY	NO.	DATE
REVISIONS					
DATE: 7/18/15					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-17903.10					
SHEET 9 OF 10					

