



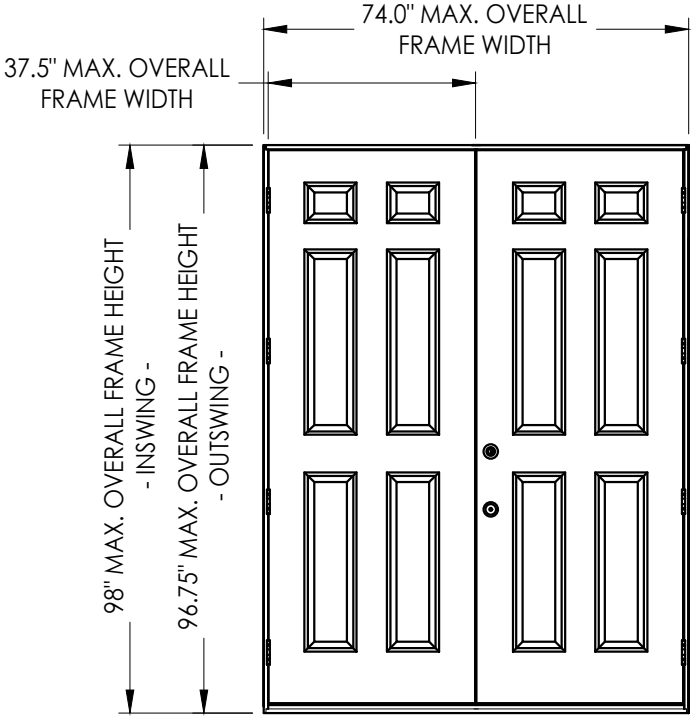
STEVES AND SONS
203 Humble Ave.
San Antonio, TX 78225

OPAQUE FIBERGLASS DOUBLE DOOR
w/ or w/o 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). 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.

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SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Sidelite panel details
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5	Vertical cross sections
6	Vertical cross sections
7	Buck & frame anchoring (XX)
8	Buck & frame anchoring (OXXO)
9	Astragal details
10	Glazing details & components
11	Bill of materials

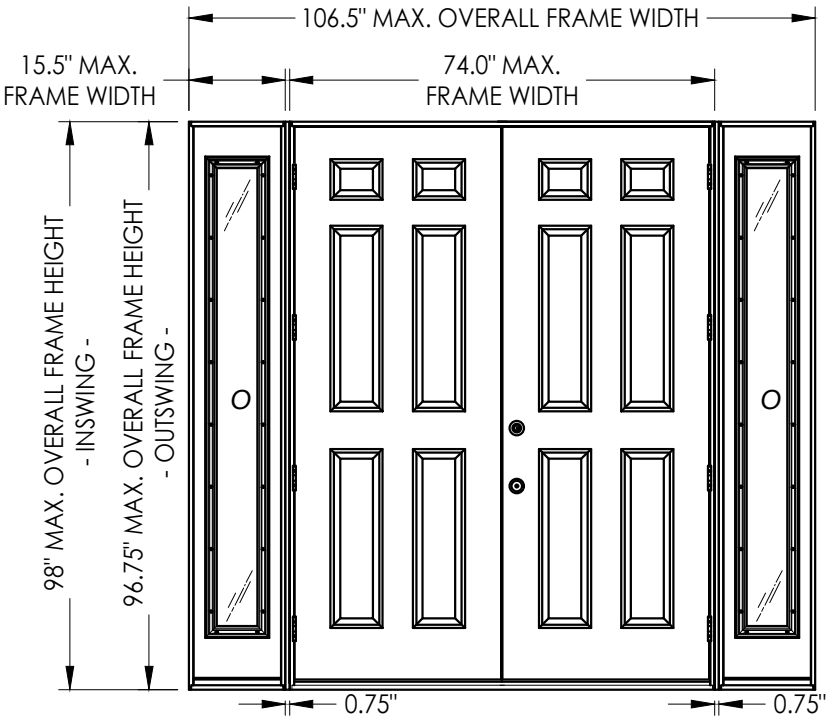


Digitally signed by Lyndon F Schmidt
Date: 2026.07.07 14:38:23 -04'00'

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



CONFIGURATION	MAX. FRAME DIMENSION	SIDELITE MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 98.0"	7.0" x 79.87"	+45.0	-45.0	+45.0	+45.0
OXXO	106.5" x 98.0"	7.0" x 79.87"	+45.0	-45.0	+45.0	+45.0

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

STEVE'S AND SONS

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

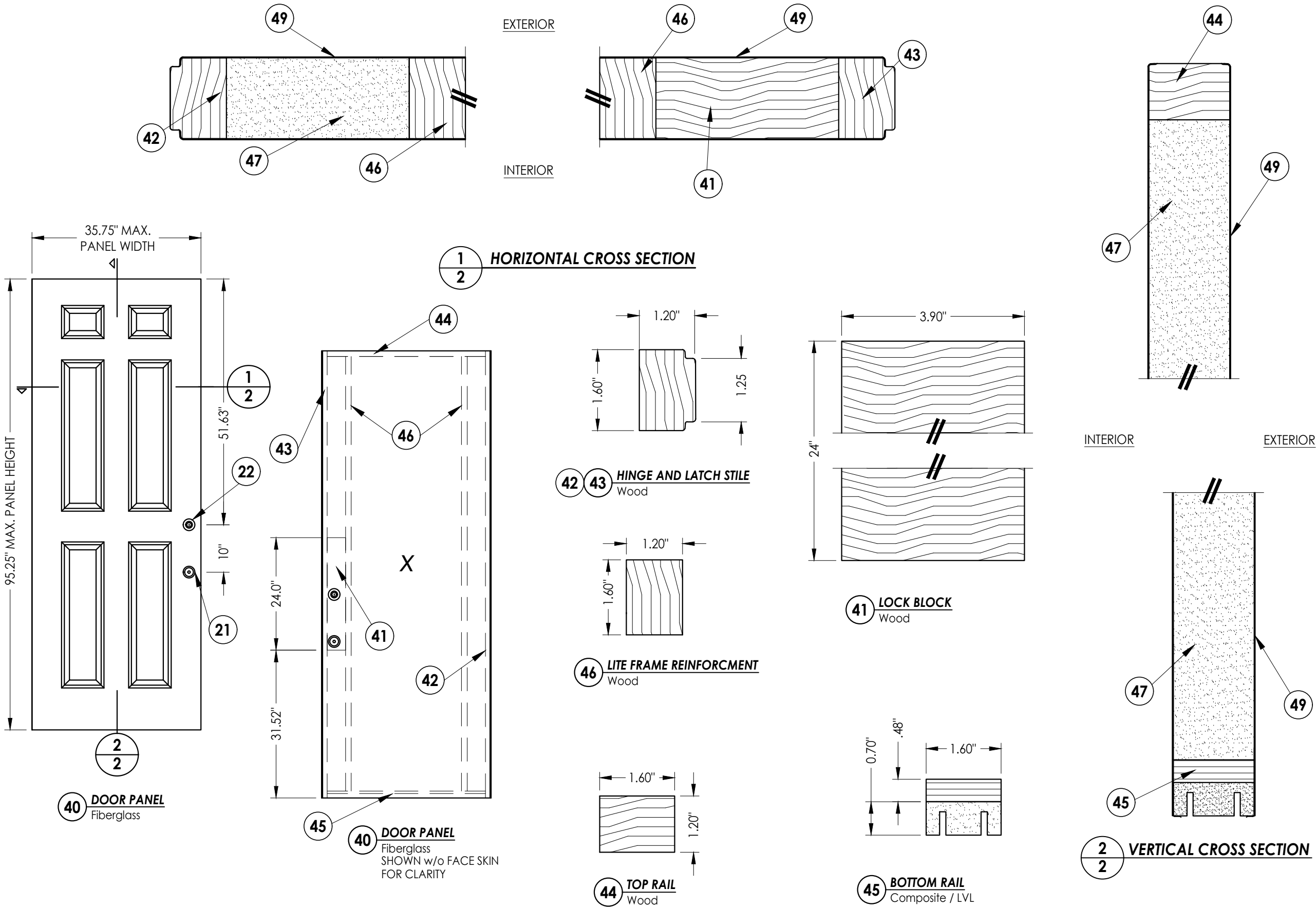
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3	8/02/23	UPDATE TO 8TH ED. (2023) FBC	LFS
2	9/10/20	UPDATE TO 7TH ED. (2020) FBC	JK
1	10/08/17	UPDATE TO 6TH ED. (2017) FBC	BY
NO.		DATE	REVISIONS

DATE: 7/18/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17904.4
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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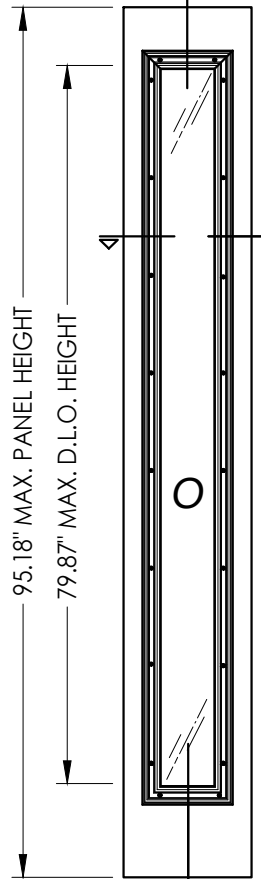
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Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: STEVES AND SONS		PART OR ASSEMBLY: DOOR PANEL DETAILS	
		UPDATE TO 9TH ED. (2026)	FBC
4	7/01/26	UPDATE TO 8TH ED. (2023)	FBC
3	8/02/23	UPDATE TO 7TH ED. (2020)	FBC
2	9/10/20	UPDATE TO 6TH ED. (2017)	FBC
1	10/08/17		JK
NO.	DATE		BY
REVISIONS			
DATE: 7/18/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17904.4			
SHEET 2 OF 11			

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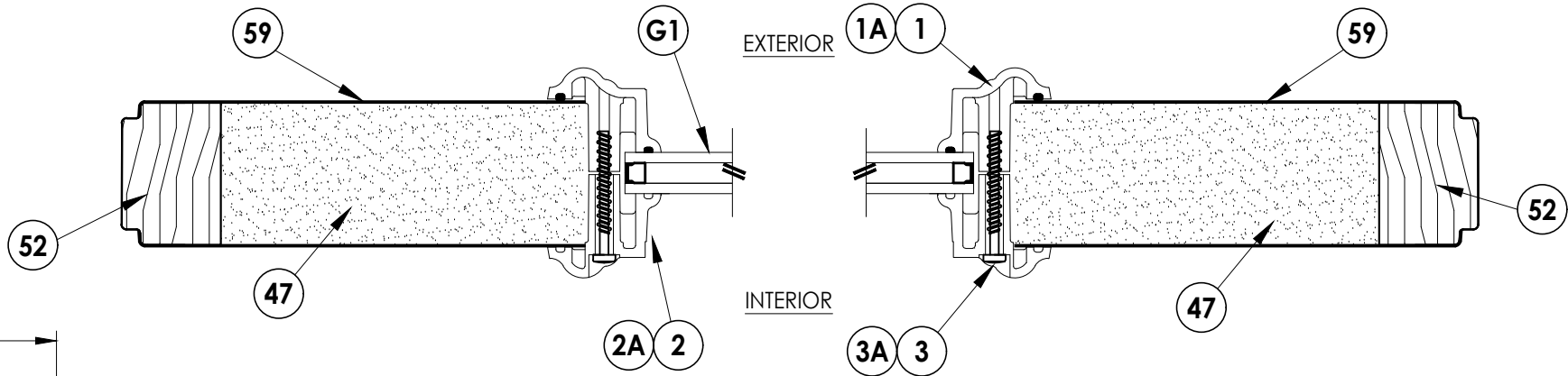
14.0" MAX.
PANEL WIDTH
7" MAX.
D.L.O. WIDTH



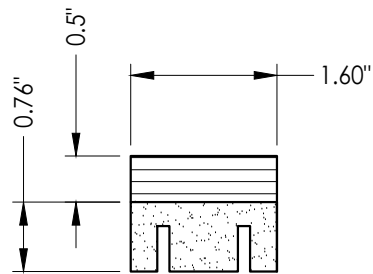
50 SIDELITE PANEL
Fiberglass

ODL LITE FRAME SCREWS (Item #3):
HEAD/SILL (2 total), 2" from corners
JAMBS: (8 total), 6.5" from corners & 10" max. o.c.

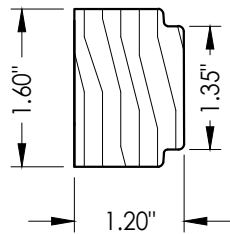
RSL SIDELITE FRAME SCREWS (Item #3A):
HEAD/SILL (2 total), 2" from corners
JAMBS: (8 total), 3.25" from corners & 10.75" max. o.c.



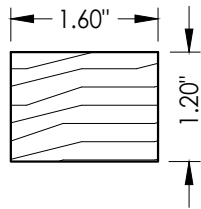
1
3 HORIZONTAL CROSS SECTION



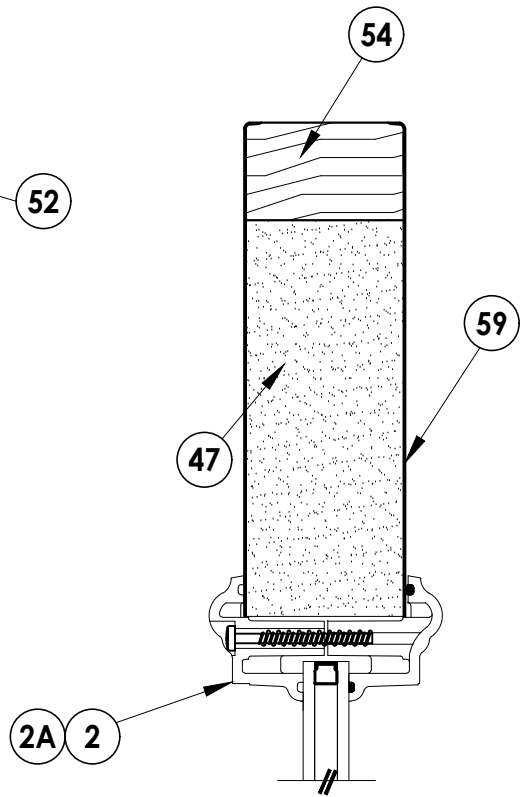
53 SIDELITE BOTTOM RAIL



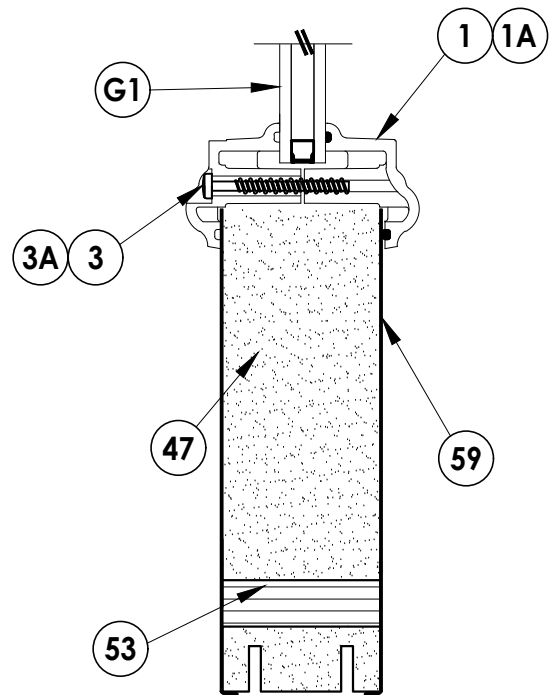
52 SIDELITE STILE
Wood



54 SIDELITE TOP RAIL
Wood



2
3 VERTICAL CROSS SECTION



Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT:
STEVES AND SONS

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

NO.	DATE	REVISIONS
4	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	8/02/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	9/10/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	10/08/17	UPDATE TO 6TH ED. (2017) FBC JK

DATE: 7/18/15

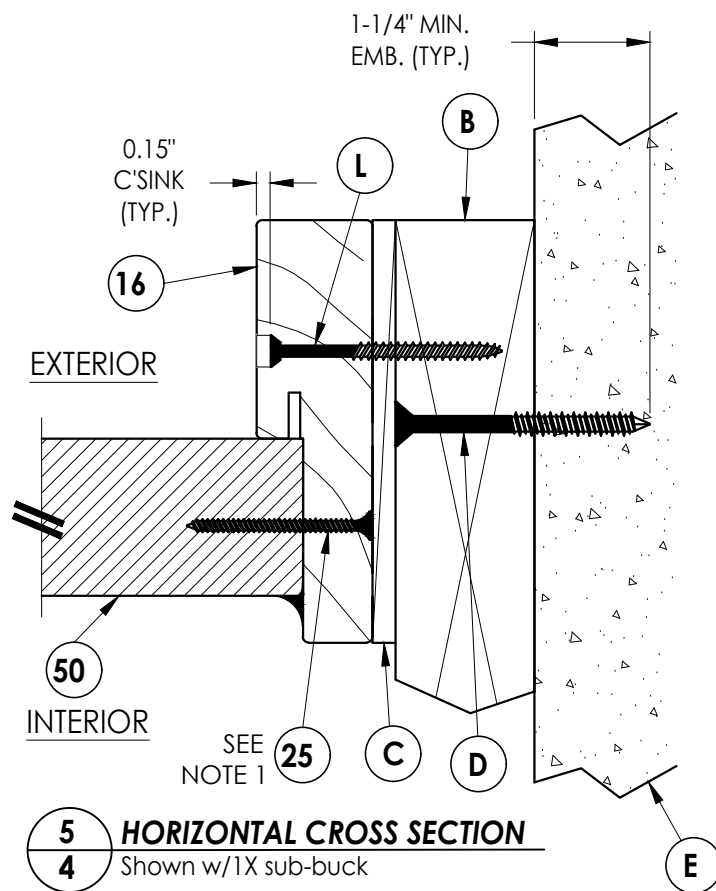
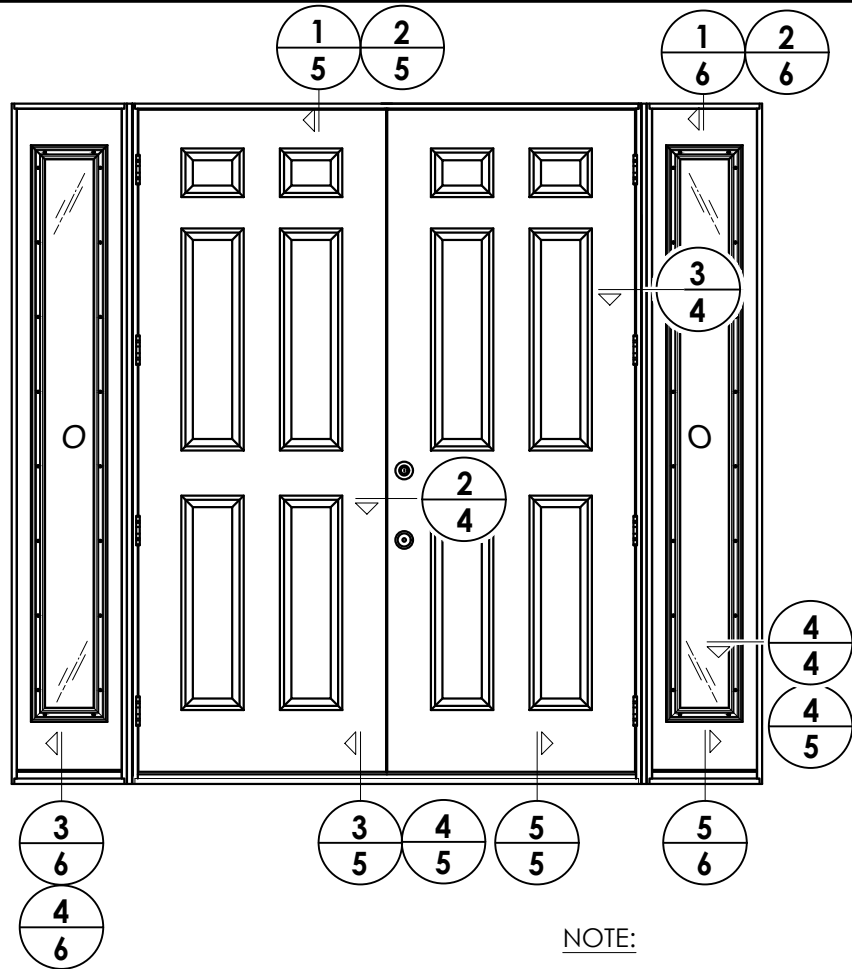
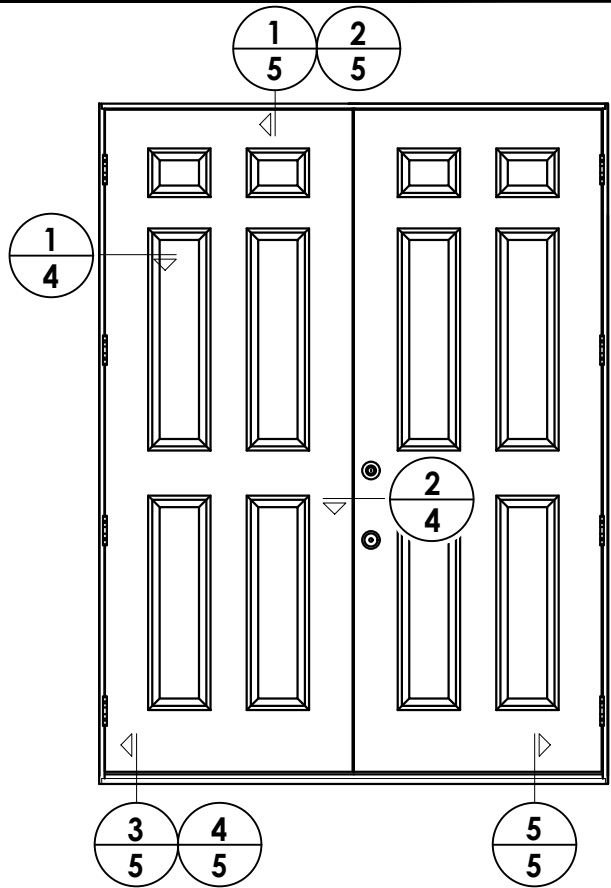
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

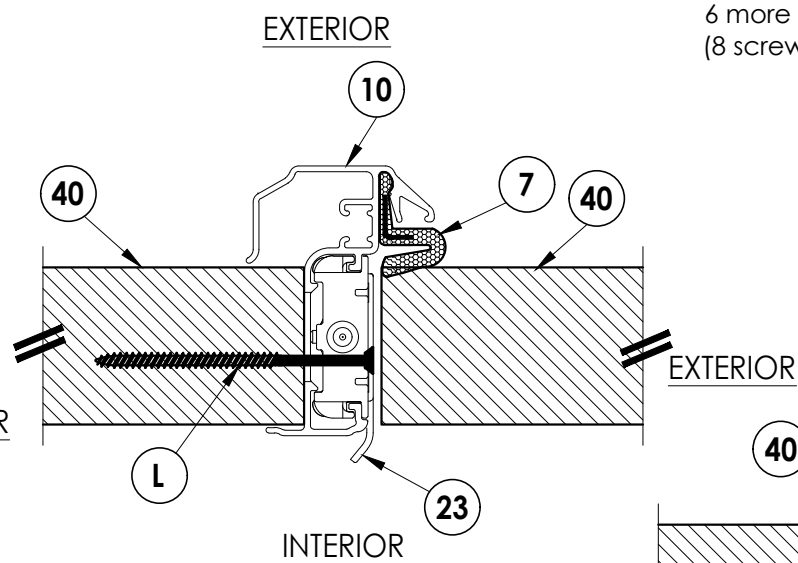
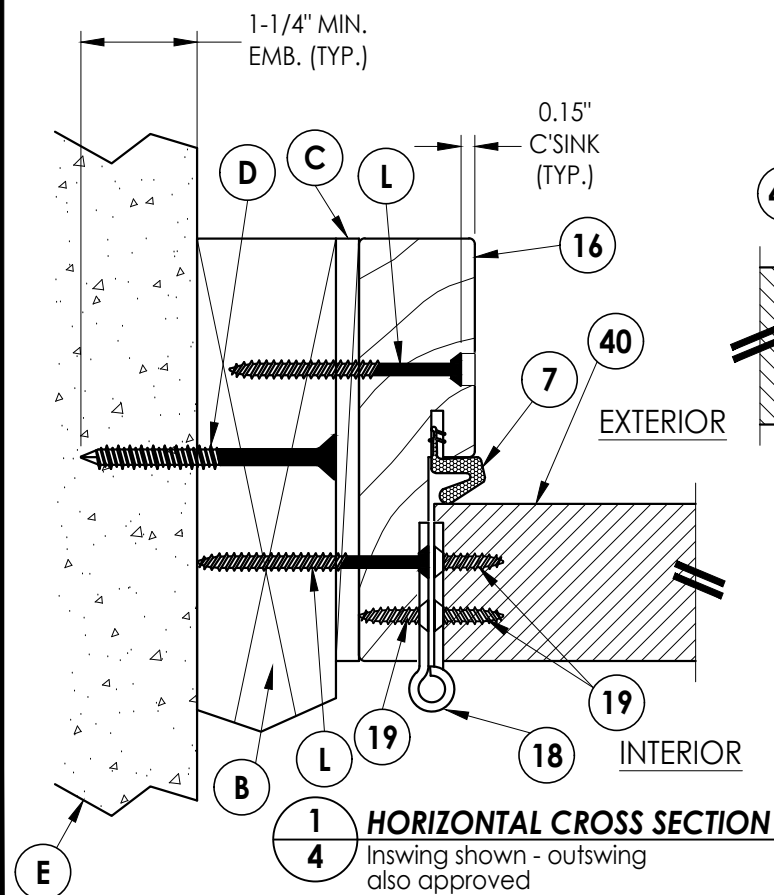
DRAWING NO.:
FL-17904.4

SHEET 3 OF 11

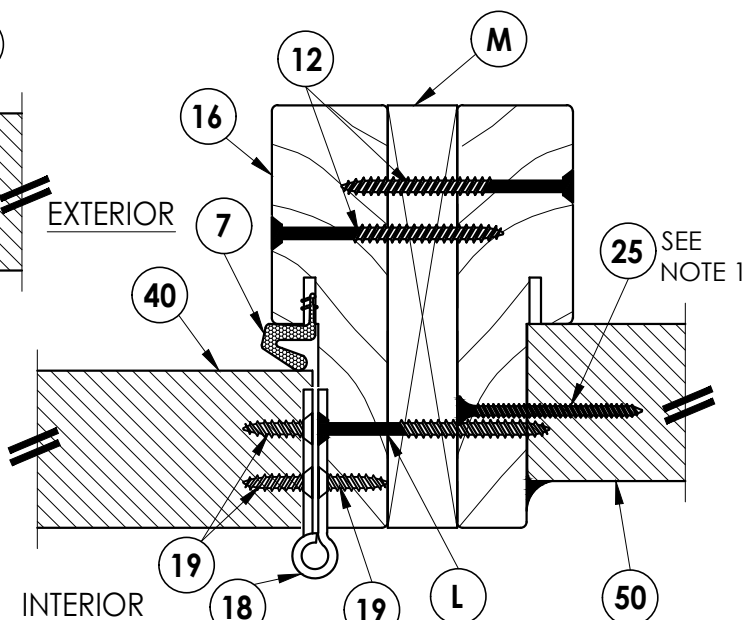


NOTE:

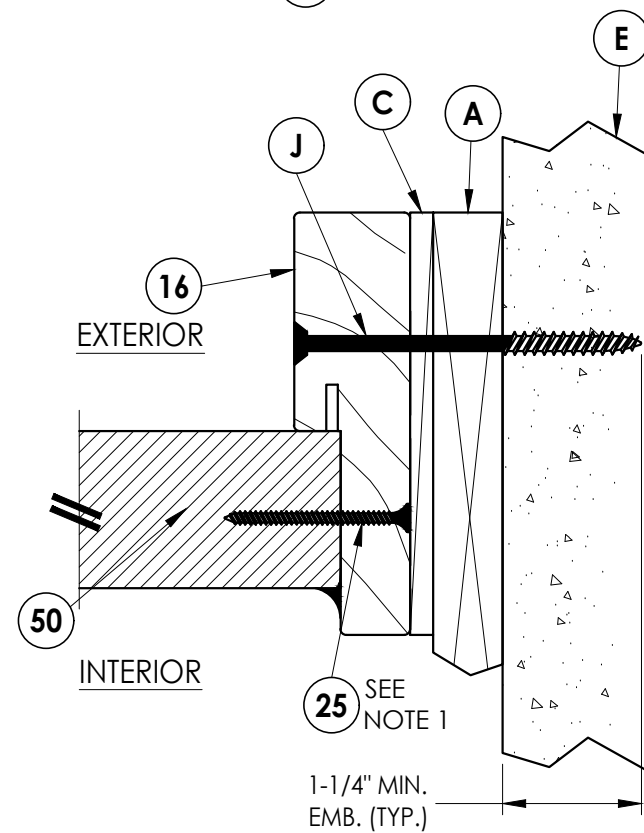
Sidelite ass'y fastener; 6" from each end and 6 more screws equally spaced between. (8 screws total per jamb.)



2/4 HORIZONTAL CROSS SECTION
Inswing shown - outswing also approved



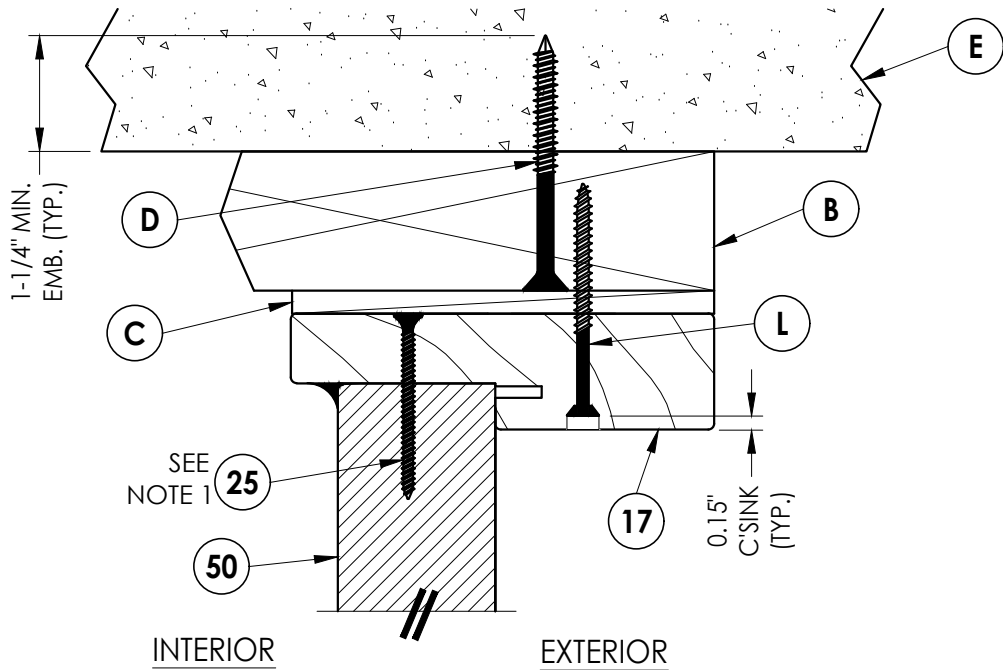
3/4 HORIZONTAL CROSS SECTION
Inswing shown - outswing also approved



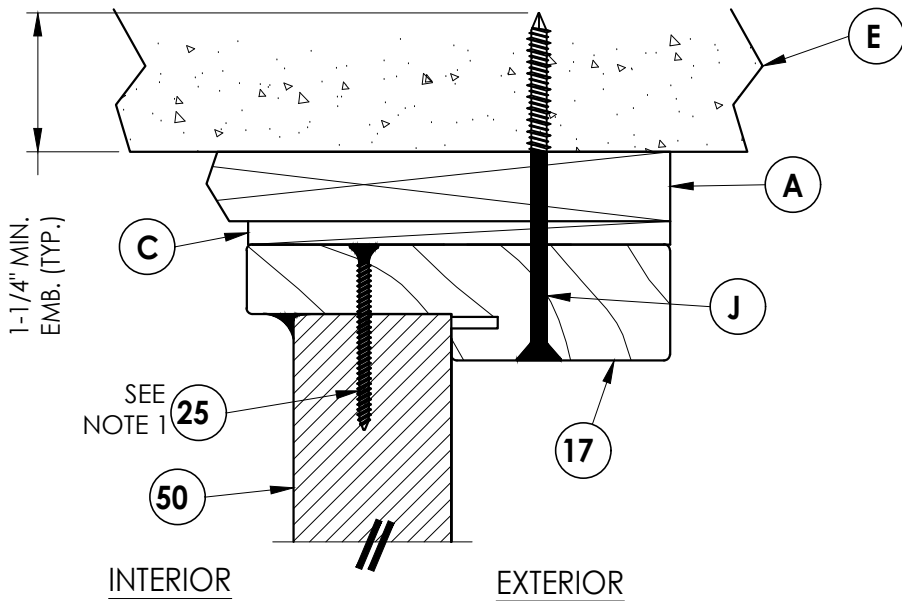
4/4 HORIZONTAL CROSS SECTION
Inswing shown - outswing also approved

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PRODUCT:		STEVES AND SONS	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
DATE:		7/18/15	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-17904.4	
SHEET		4 OF 11	
REVISIONS			
NO.	DATE	BY	
4	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
3	8/02/23	UPDATE TO 8TH ED. (2023)	FBC
2	9/10/20	UPDATE TO 7TH ED. (2020)	FBC
1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC

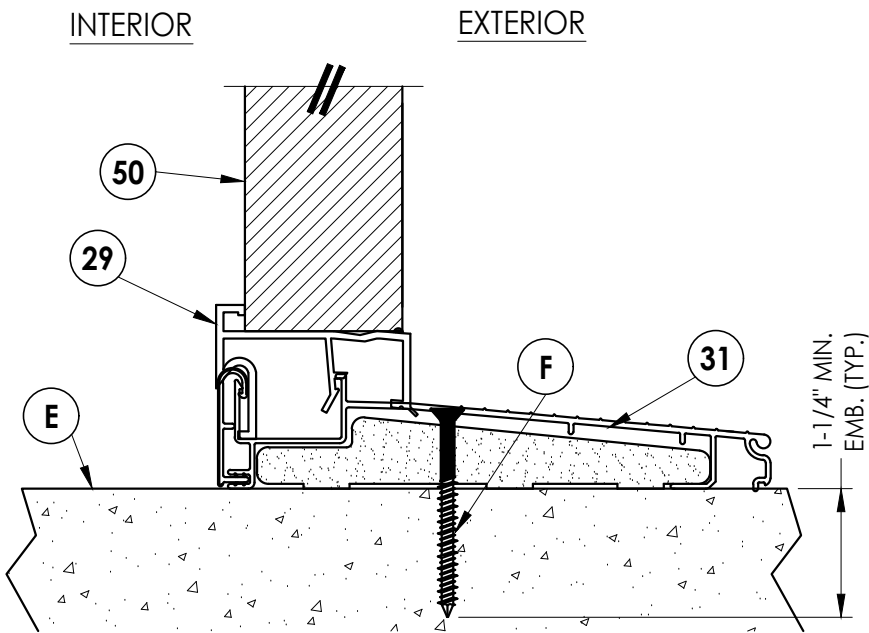
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1
6 **VERTICAL CROSS SECTION**
Inswing shown - outswing
also approved



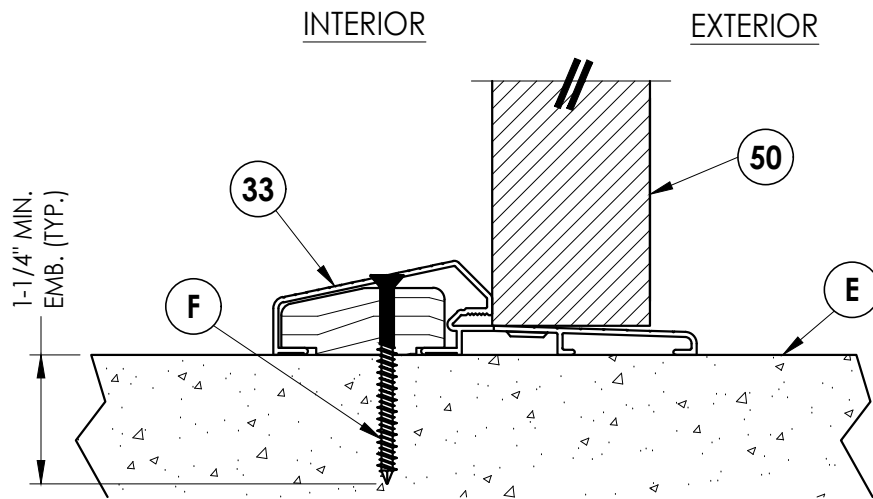
2
6 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



3
6 **VERTICAL CROSS SECTION**
Inswing configuration

NOTE:

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



4
6 **VERTICAL CROSS SECTION**
Outswing configuration

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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	8/02/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	9/10/20	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.

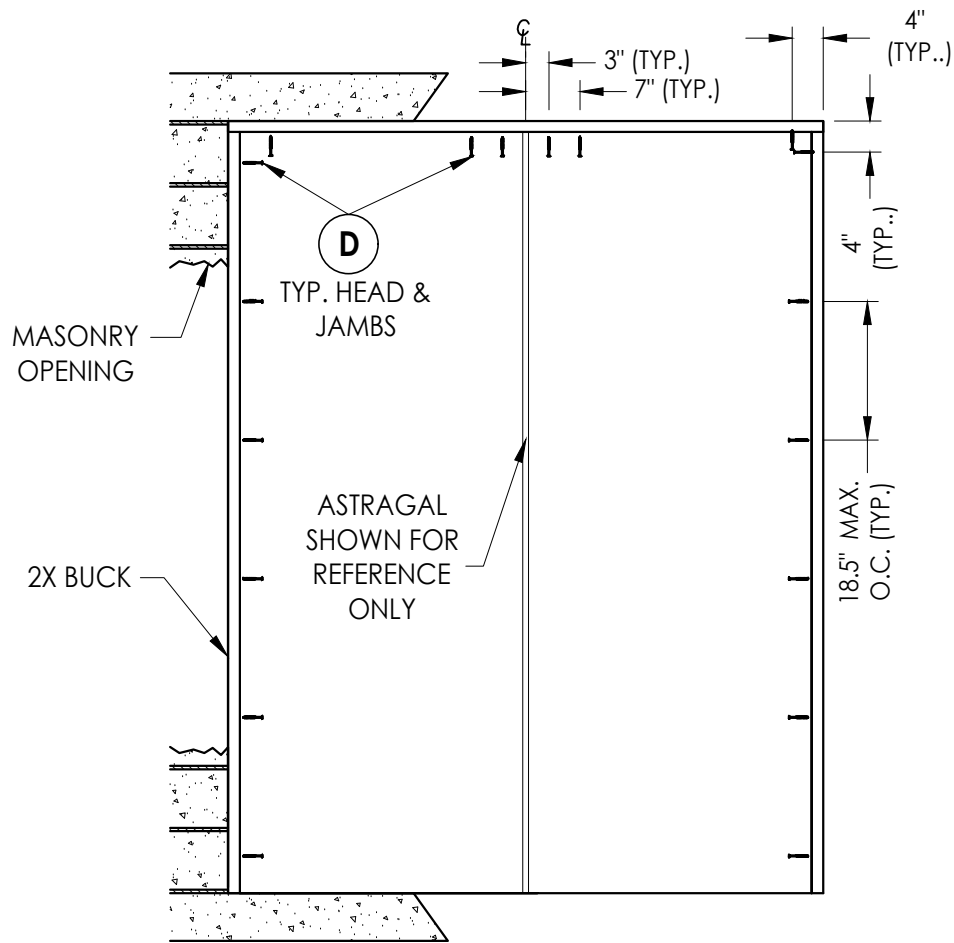
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CHK. BY: LFS

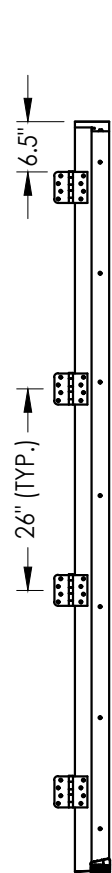
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FL-17904.4

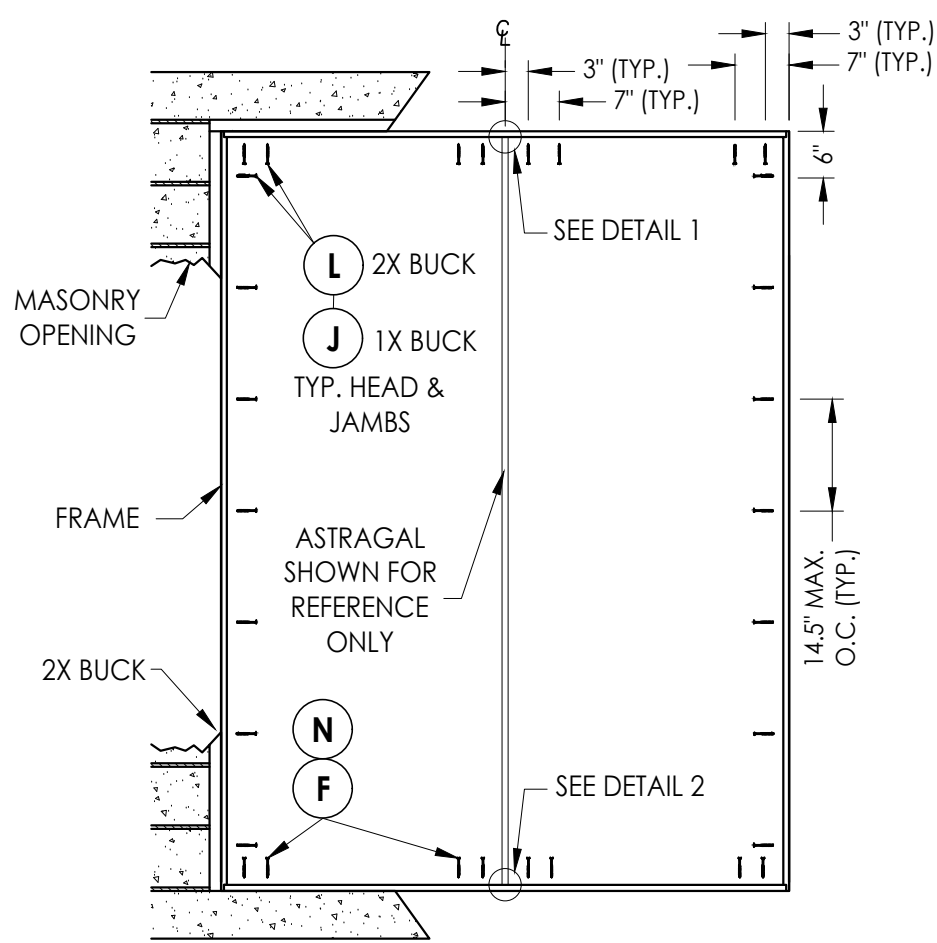
SHEET 6 OF 11



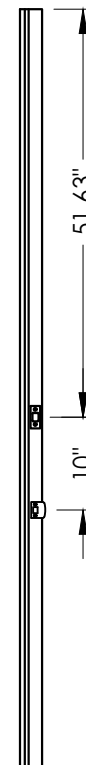
BUCK ANCHORING



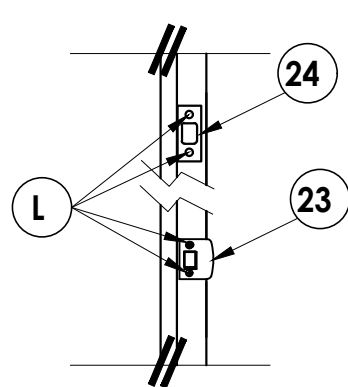
HINGE JAMB



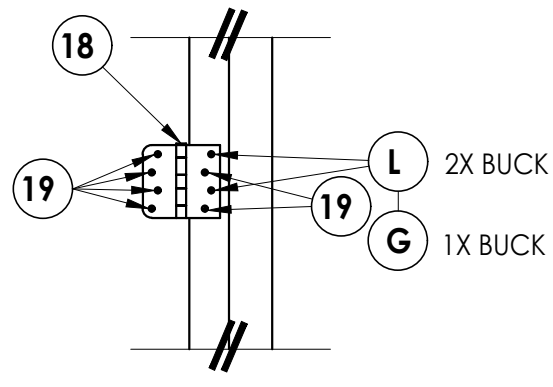
FRAME ANCHORING
Masonry construction



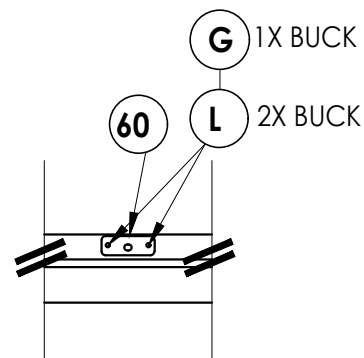
STRIKE JAMB



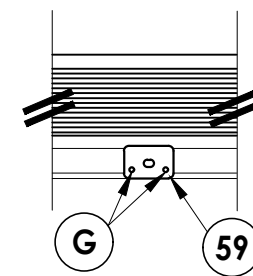
LATCH & DEADBOLT DETAIL



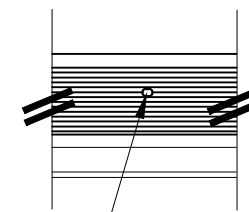
HINGE DETAIL



DETAIL 1
Astragal Strike Plate



DETAIL 2
Astragal Strike Plate
Inswing



DETAIL 2
Astragal Strike Plate
Outswing

DATE		NO.		DATE		BY	
4	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS		
3	8/02/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS		
2	9/10/20	UPDATE TO 7TH ED.	(2020)	FBC	JK		
1	10/08/17	UPDATE TO 6TH ED.	(2017)	FBC	BY		
REVISIONS		DATE		BY			

DATE: 7/18/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

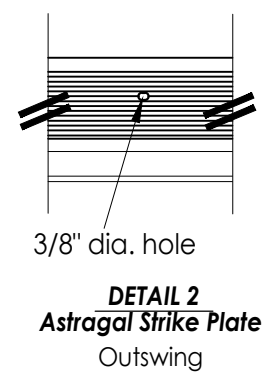
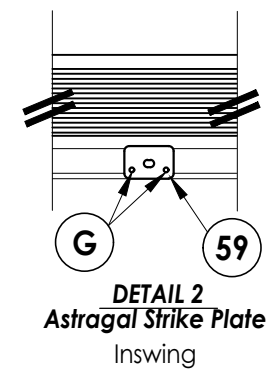
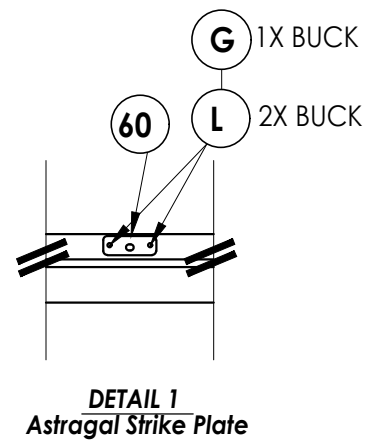
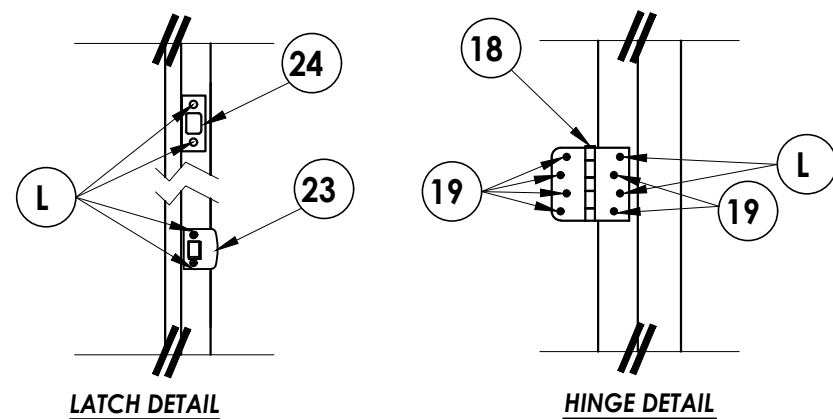
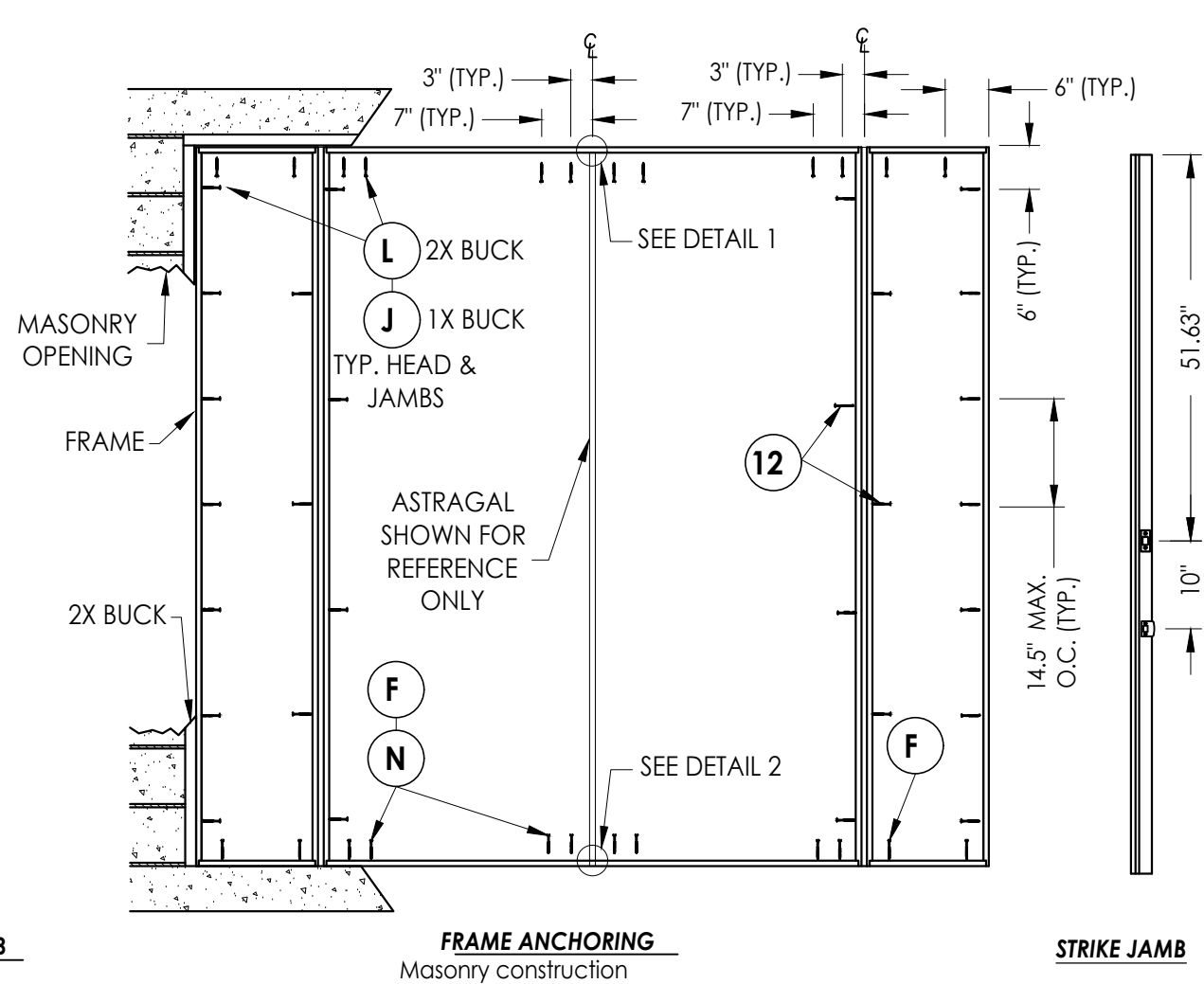
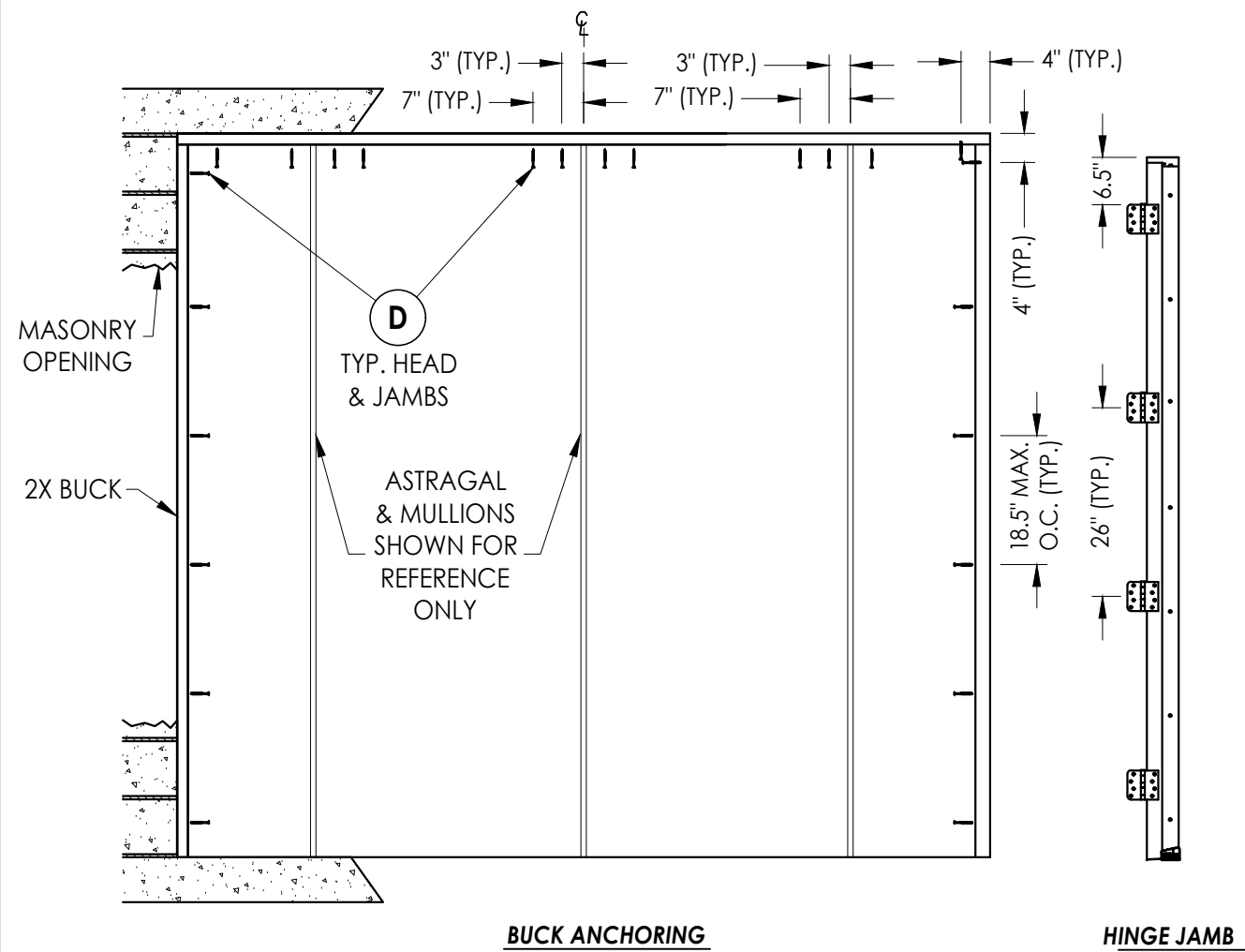
DRAWING NO.: FL-17904.4

SHEET 7 OF 11

PRODUCT:	
STEVES AND SONS	
PART OR ASSEMBLY:	
BUCK & FRAME ANCHORING (XX)	

Documents Prepared By:
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P.E. No. 43409

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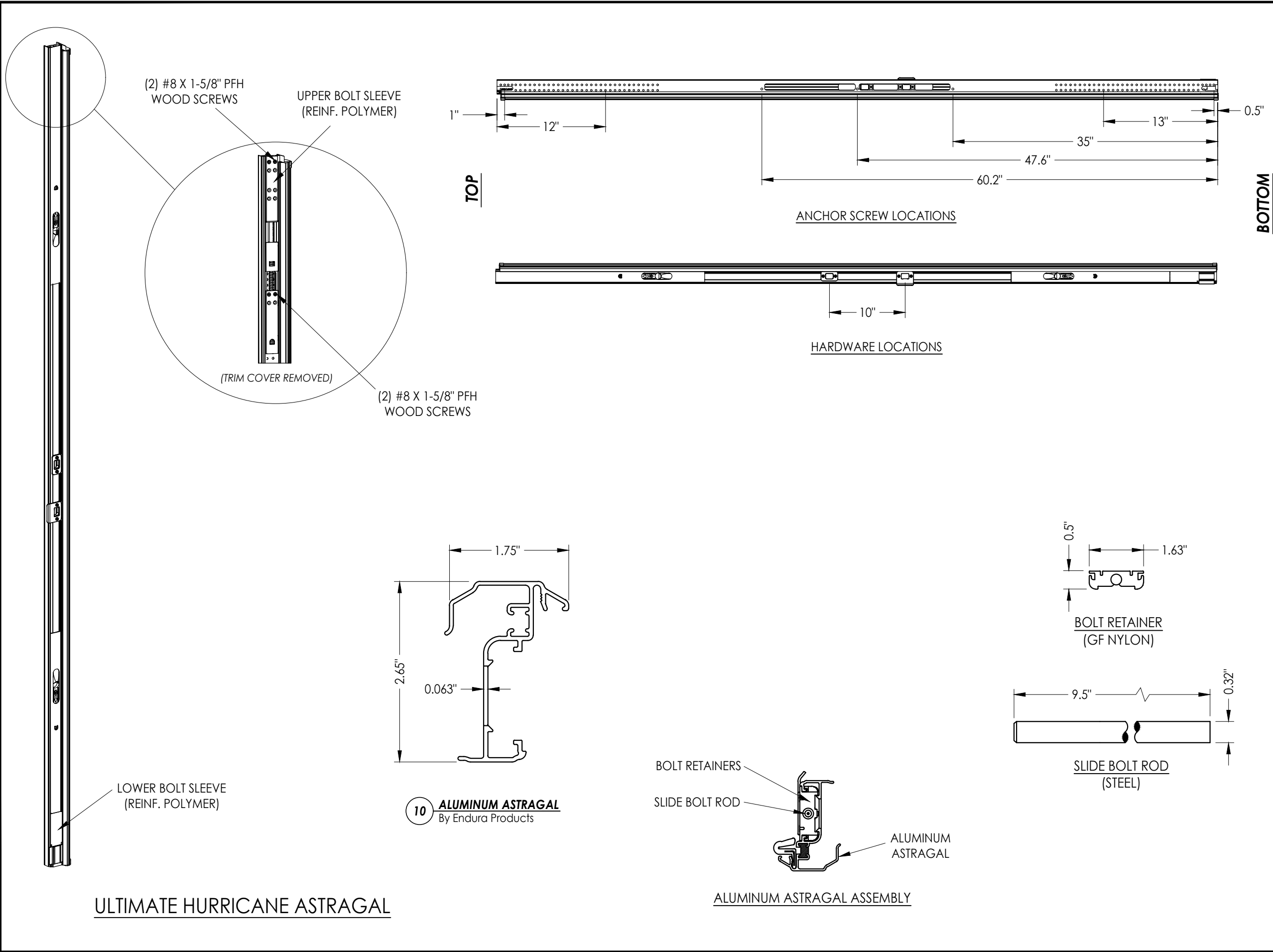
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2	9/10/20	UPDATE TO 7TH ED. (2020)	FBC	LFS		
1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC	JK		
NO.	DATE					
				REVISIONS		
DATE: 7/18/15						
SCALE: N.T.S.						
DWG. BY: JK						
CHK. BY: LFS						
DRAWING NO.: FL-17904.4						
SHEET 8 OF 11						

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P.E. No. 43409

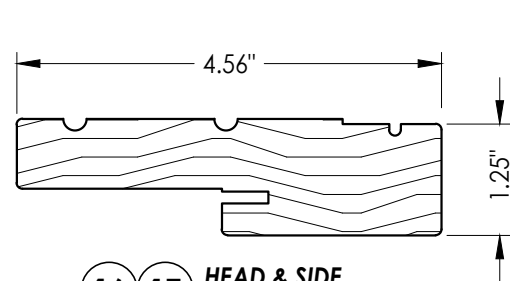
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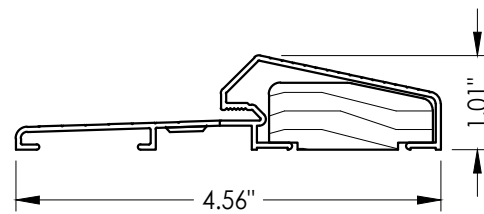
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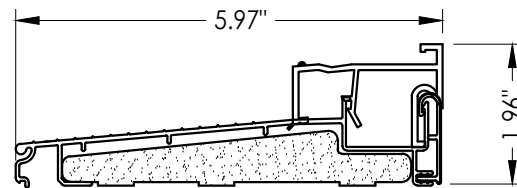
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: STEVES AND SONS		PART OR ASSEMBLY: ASTRAGAL DETAILS	
		LFS	BY
4	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
3	8/02/23	UPDATE TO 8TH ED. (2023) FBC	LFS
2	9/10/20	UPDATE TO 7TH ED. (2020) FBC	JK
1	10/08/17	UPDATE TO 6TH ED. (2017) FBC	JK
NO.	DATE	REVISIONS	
DATE: 7/18/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17904.4			
SHEET 9 OF 11			



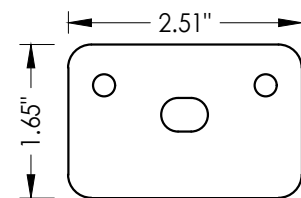
16 17 HEAD & SIDE
Jamb



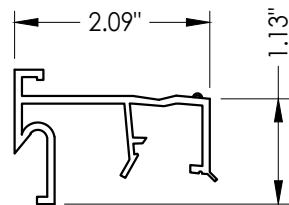
33 OUTSWING THRESHOLD



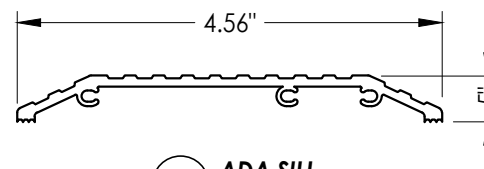
34 SIDELITE THRESHOLD



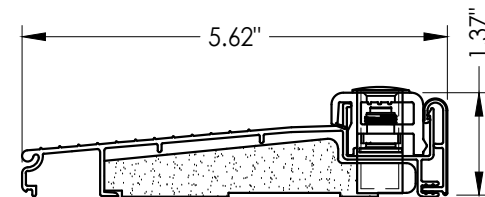
59 BOTTOM ASTRAGAL STRIKE PLATE



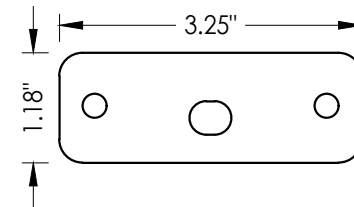
29 SIDELITE SPACER



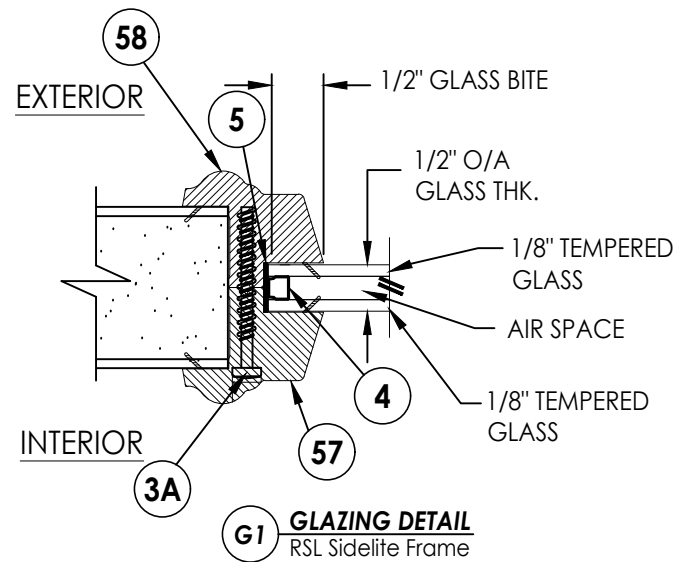
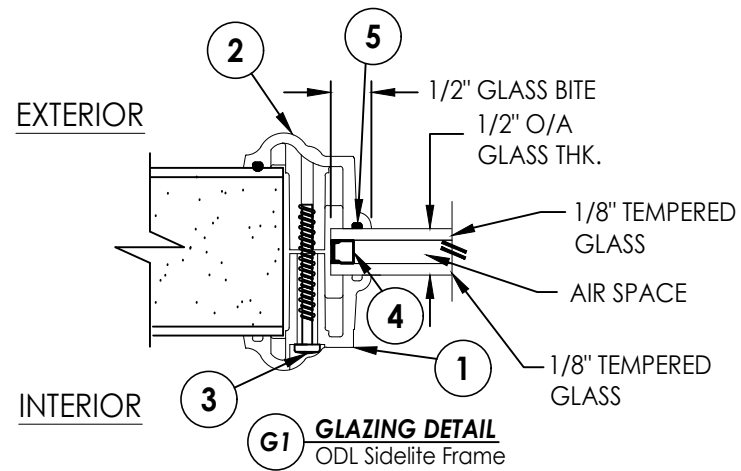
32 ADA SILL



31 INSWING THRESHOLD



60 TOP ASTRAGAL STRIKE PLATE

[illegible]

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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1" X BUCK SG >= 0.55	WOOD
B	2" X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,192 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
I	#8 X 2-1/4" PFH SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#9 X 2-1/2" PFH WS	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1-1/8" MIN. EMBEDMENT)	STEEL
N	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
M	1X REINFORCEMENT SG >= 0.55	STEEL
1	FEMALE LITE FRAME - ODL	POLYPROPYLENE
2	MALE LITE FRAME - ODL	POLYPROPYLENE
3	#8 X 1-3/4" PANHEAD SMS (LIGHT FRAME SCREW)	STEEL
3A	#8 X 1-1/2" PANHEAD SMS (LIGHT FRAME SCREW)	STEEL
4	ALUMINUM SPACER SYSTEM	ALUMINUM
5	HOT MELT SELANT / SILICONE	SILICONE
7	WEATHER STRIP	FOAM
10	ALUMINUM ASTRAGAL : BY ENDURA PRODUC	ALUMINUM
12	#10 X 2-1/4" PFH SCREW	STEEL
16	SIDE JAMB SG > = 0.42	WOOD
17	HEAD JAMB SG > = 0.42	WOOD
18	4" X 4" HINGE MIN 0.1" THICK	STEEL
19	#10 X 3/4" PFH WS	STEEL
20	#10 X 2-1/2" PFH WS	STEEL
21	KWIKSET LOCK - SERIES 690 CP PASSAGE	-
22	KWIKSET DEADBOLT -SERIES 690 CP	-
23	LATCH STRIKEPLATE	STEEL
24	DEADBOLT STRIKE PLATE	STEEL
25	#8 X 2-1/2" PFH SCREW	STEEL
29	SIDELITE SPACER	VINYL
30	DOOR BOTTOM SWEEP	PVC
31	INSWING THRESHOLD ALUMINUM W/ COMPOSITE SUBSTRATE	ALUM/COMP.
32	ADA THRESHOLD	ALUM.
33	OUTSWING THRESHOLD	ALUM./WOOD
34	SIDELITE THRESHOLD	ALUM./COMP.
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
41	WOOD LOCK BLOCK	WOOD
42	HINGE STILE - SG >= 0.42	WOOD

43	HINGE STILE - SG >= 0.42	WOOD
44	TOP RAIL	WOOD
45	BOTTOM RAIL	COMP./LVL
46	LITE FRAME REINFORCEMENT SG > = 0.42	WOOD
47	POLYSTYRENE FOAM	POLYSTYRENE
49	FIBERGLASS SKIN 0.08" MIN. THICKNESS	FIBERGLASS
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
52	SIDELITE STILE - SG>= 0.42	WOOD
53	SIDELITE BOTTOM RAIL	COMP./LVL
54	SIDELITE TOP RAIL	WOOD
55	ALUMINUM ASTRAGAL	ALUMINUM
56	SLIDE BOLT ROD	STEEL
57	SIDELITE FEMALE LITE FRAME - RSL	PVC
58	SIDELITE MALE LITE FRAME - RSL	PVC
59	BOTTOM ASTRAGAL STRIKE PLATE	STEEL
60	TOP ASTRAGAL STRIKE PLATE	STEEL

CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. 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:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

DATE: 7/18/15		REVIEWS NO. DATE 1 10/08/17 2 9/10/20 3 8/02/23 4 7/01/26 UPDATE TO 6TH ED. (2017) FBC UPDATE TO 7TH ED. (2020) FBC UPDATE TO 8TH ED. (2023) FBC UPDATE TO 9TH ED. (2026) FBC	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17904.4			
SHEET 11 OF 11			