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L. F. Schmidt, P.E. on the date adjacent to the seal.
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must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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

CONTINUOUS HEAD & SILL

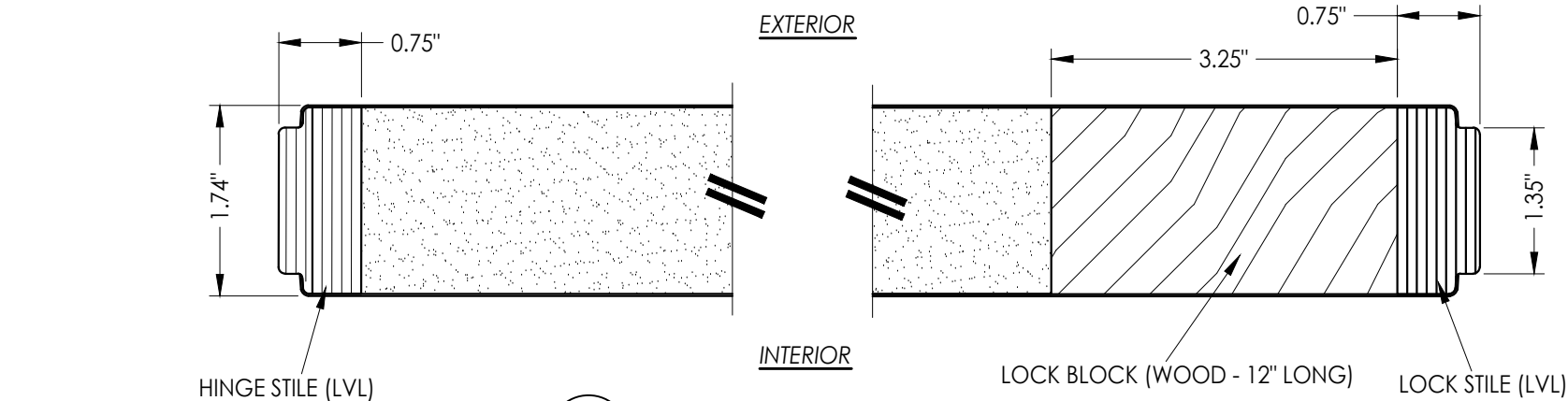
SWING	MAX. FRAME DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
INSWING	68.5" x 81.5"	G1	+55.0	-60.0
OUTSWING	68.5" x 80.75"		+55.0	-55.0

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.

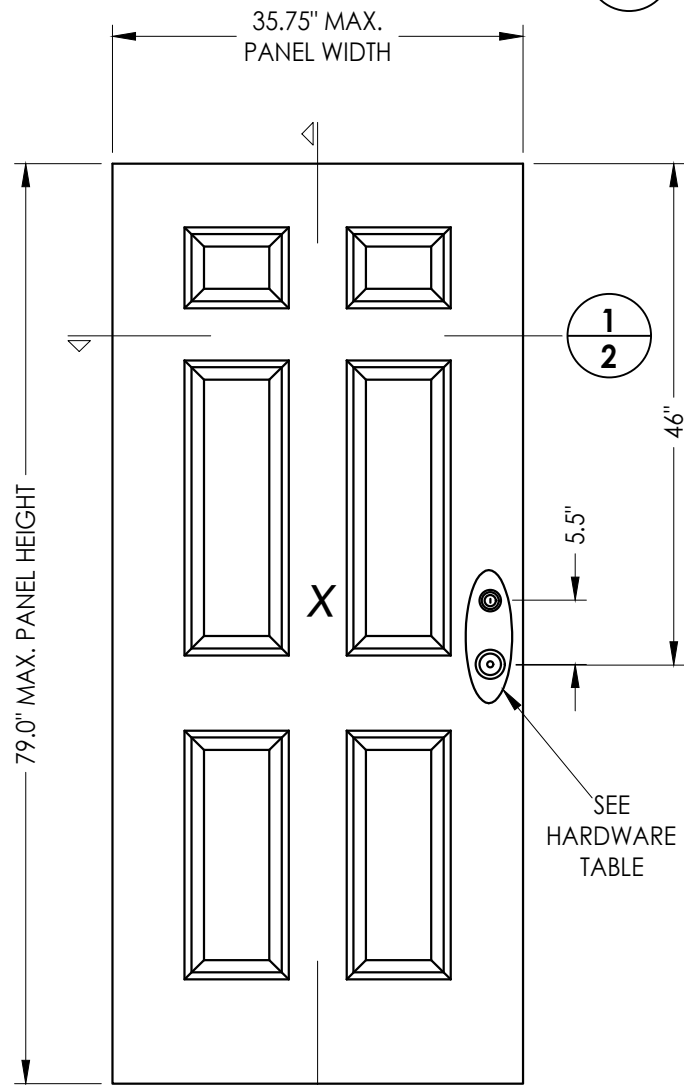
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Door panel construction details
3	Sidelite panel construction & glazing details
4	Horizontal cross sections
5	Vertical cross sections
6	Vertical cross sections
7	Buck and frame anchoring - 2X buck masonry construction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

[illegible]

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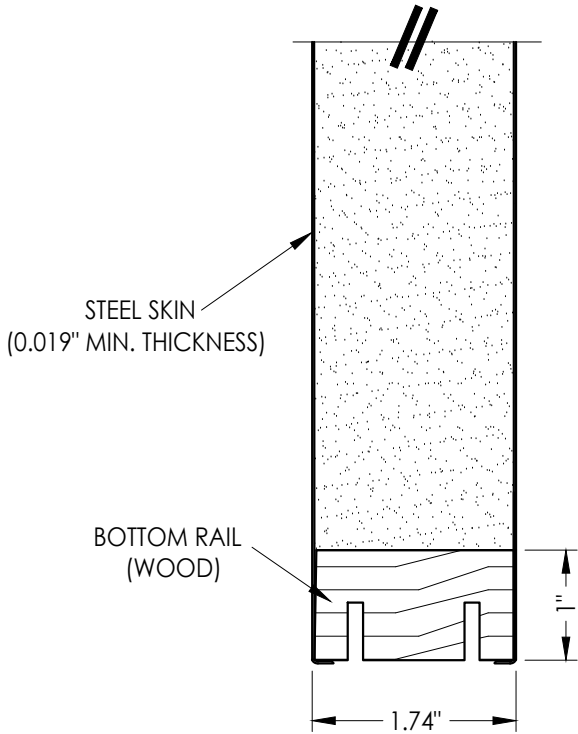
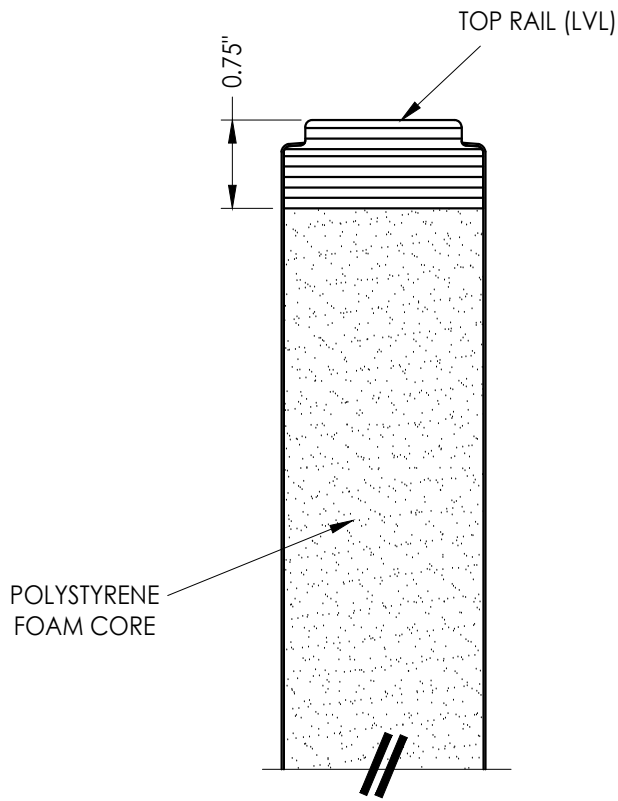
1
2 **HORIZONTAL CROSS SECTION**



2
2

40 **STEEL DOOR**
OPAQUE

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	Knob:	SERIES (400)
	DEADBOLT:	SERIES (660)



2
2 **VERTICAL CROSS SECTION**

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

PRODUCT:
STEVES AND SONS

PART OR ASSEMBLY:
DOOR PANEL CONSTRUCTION
DETAILS

REVISIONS			
NO.	DATE	BY	JK
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: 10/20/15

SCALE: N.T.S.

DWG. BY: JK

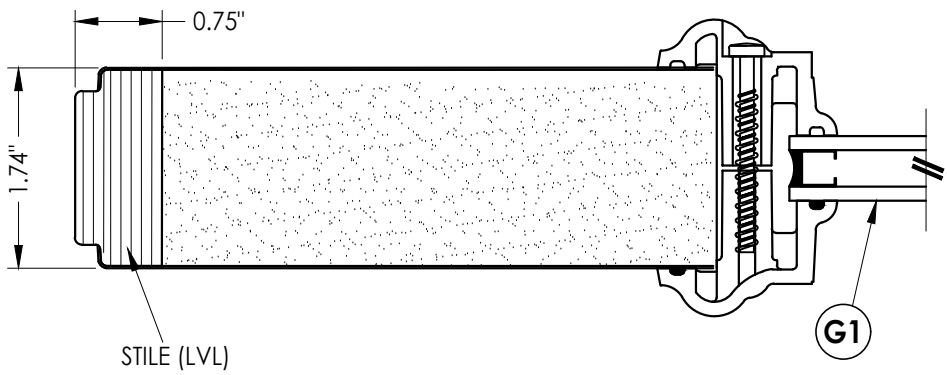
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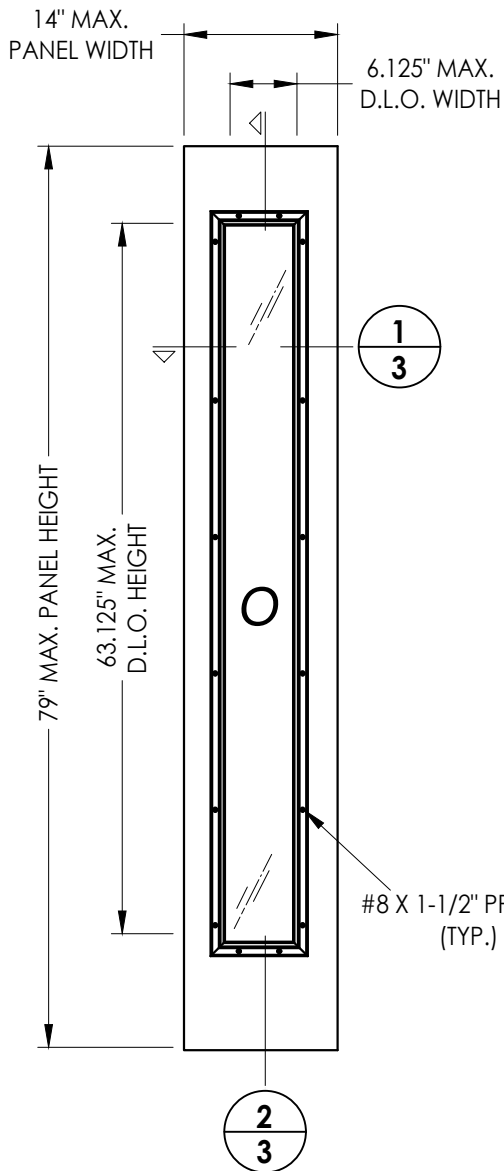
FL-17903.11

SHEET 2 OF 9

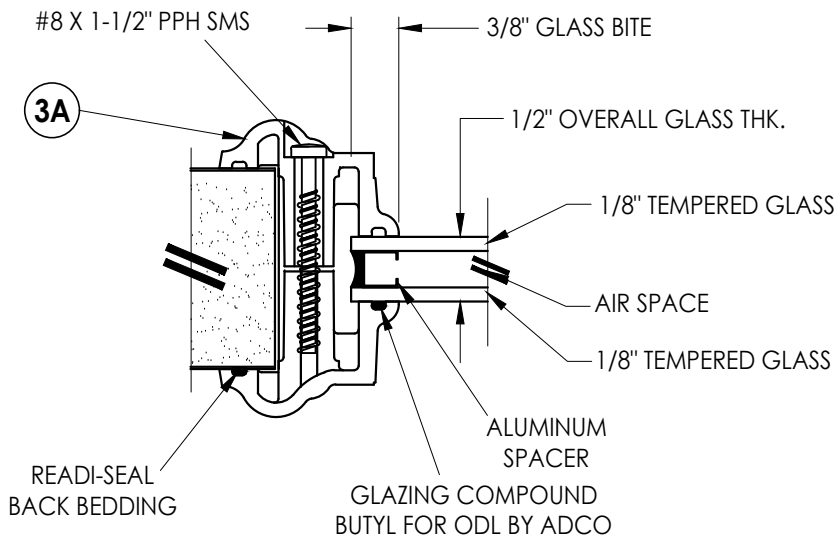
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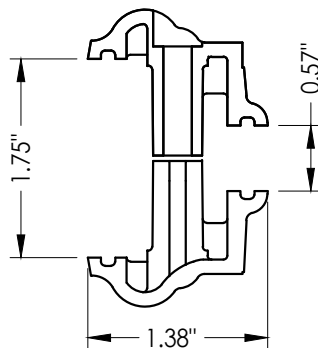
1
3 **HORIZONTAL CROSS SECTION**



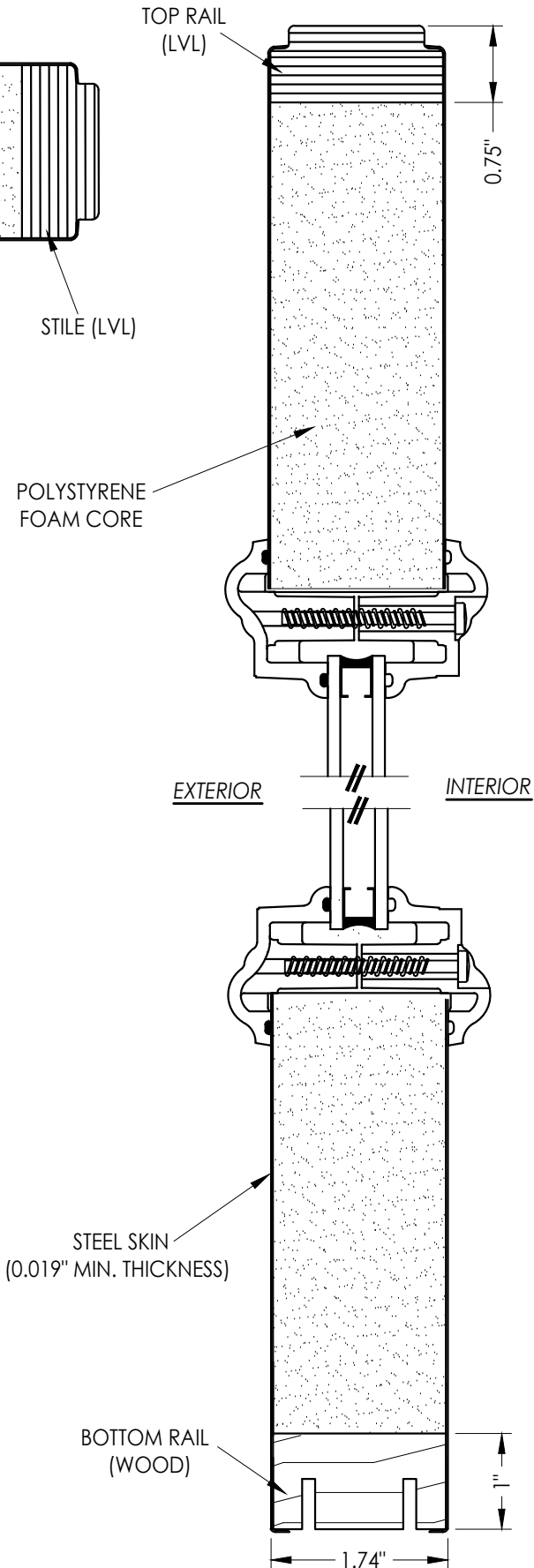
50 **SIDELITE PANEL**



G1 **GLAZING DETAIL**
ODL Lite Frame



3A **ODL LITE FRAME**
HP Polypropylene



2
3 **VERTICAL CROSS SECTION**

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FBPE Registry No. 9813

PRODUCT: STEVES AND SONS

PART OR ASSEMBLY:
SIDELITE PANEL CONSTRUCTION
& GLAZING DETAILS

NO.	DATE	BY
3	8/07/23	LFS
2	9/16/20	LFS
1	10/08/17	JK

DATE: 10/20/15

SCALE: N.T.S.

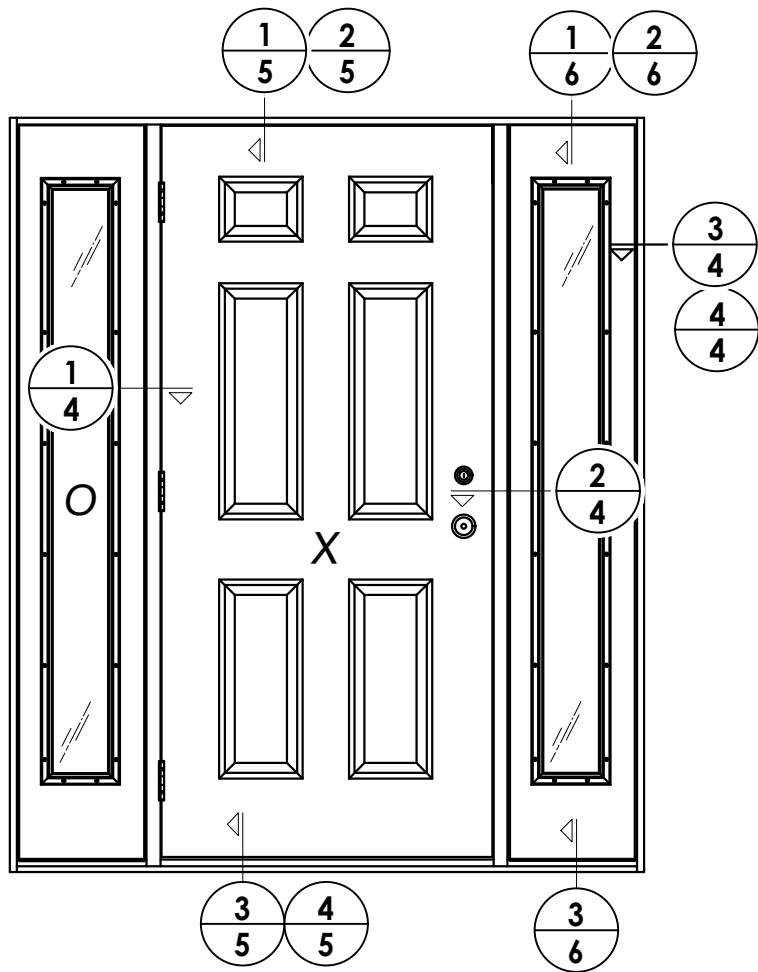
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CHK. BY: LFS

DRAWING NO.: FL-17903.11

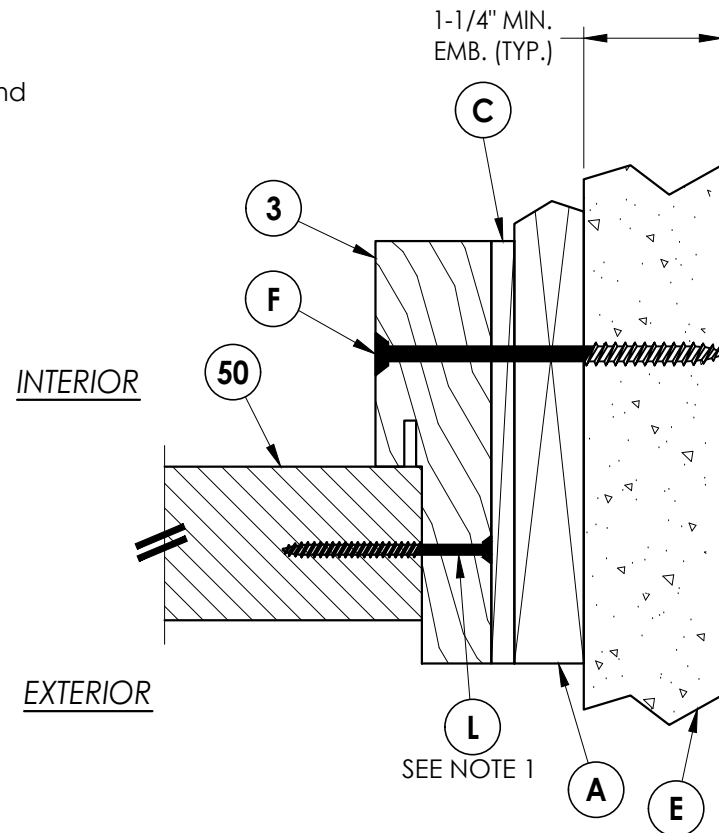
SHEET 3 OF 9

Z:\2023 FBC Drawings\Steves & Sons\FL-17903 R4\FL-17903.11-12.dwg

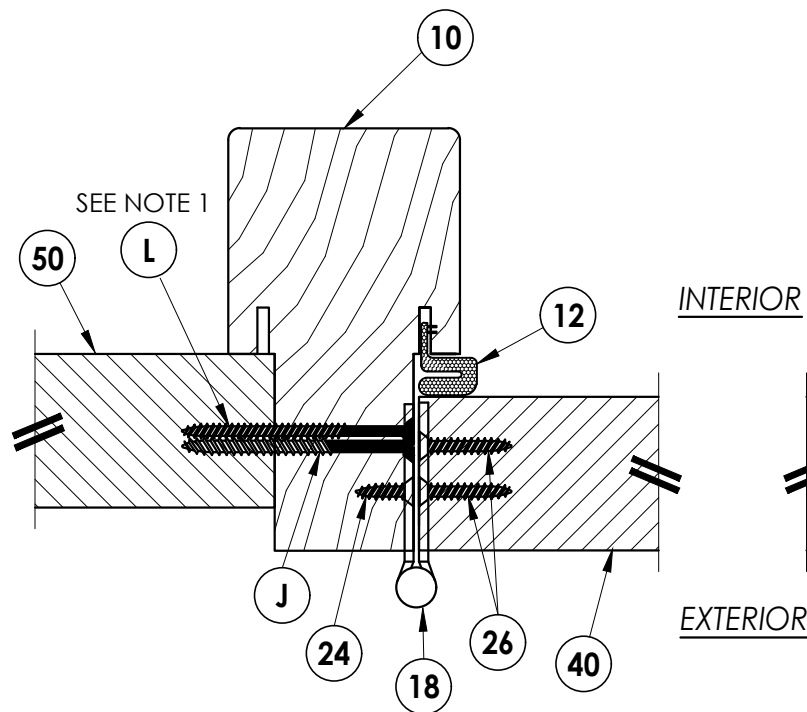


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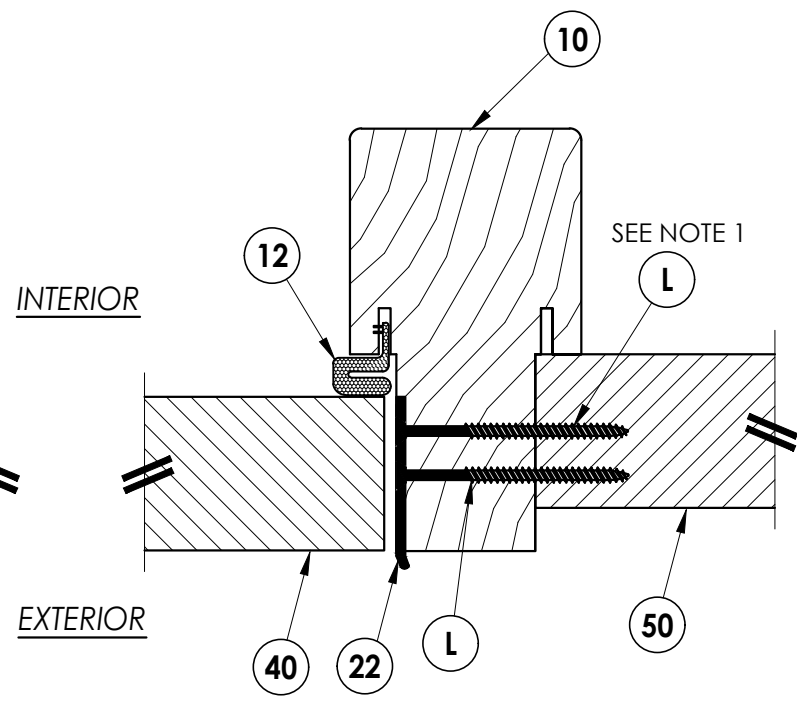
1. Sidelite ass'y fasteners: 6" from each end & 3 more equally spaced between (5 screws total per jamb).



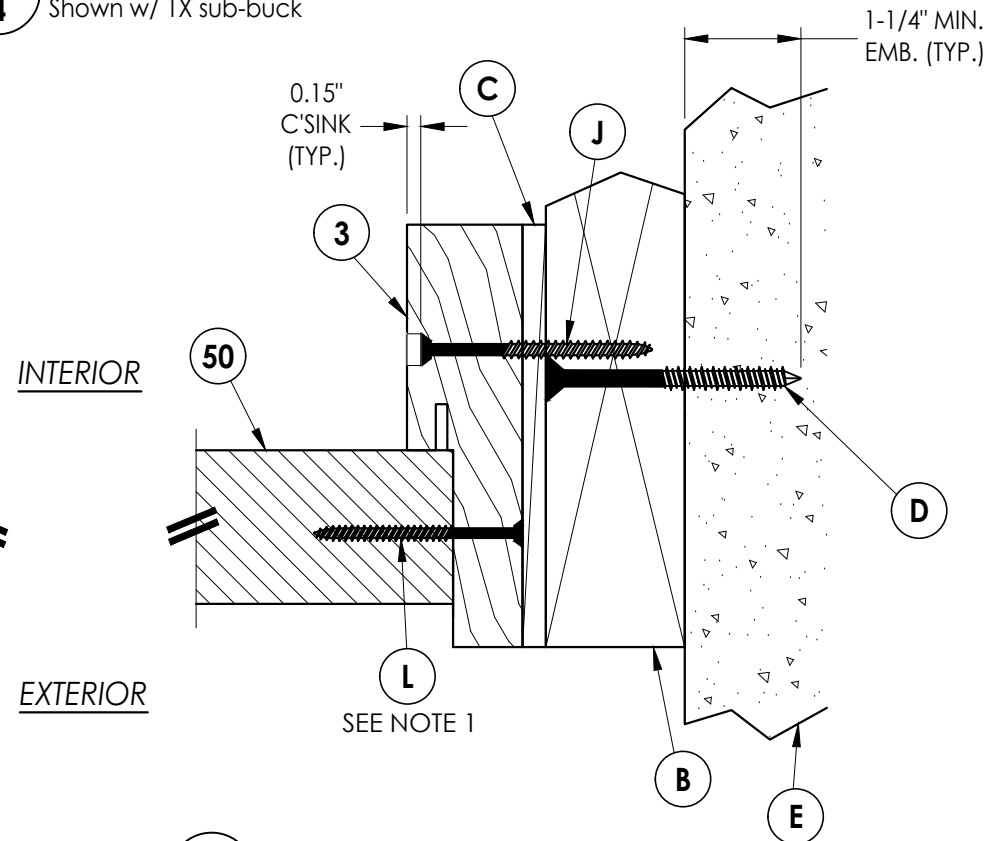
4 HORIZONTAL CROSS SECTION
Shown w/ 1X sub-buck



1 HORIZONTAL CROSS SECTION
Outswing shown - inswing also approved



2 HORIZONTAL CROSS SECTION
Outswing shown - inswing also approved



3 HORIZONTAL CROSS SECTION
Outswing shown - inswing also approved

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PRODUCT:
STEVES AND SONS

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

REVISIONS			
NO.	DATE	BY	JK
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: 10/20/15

SCALE: N.T.S.

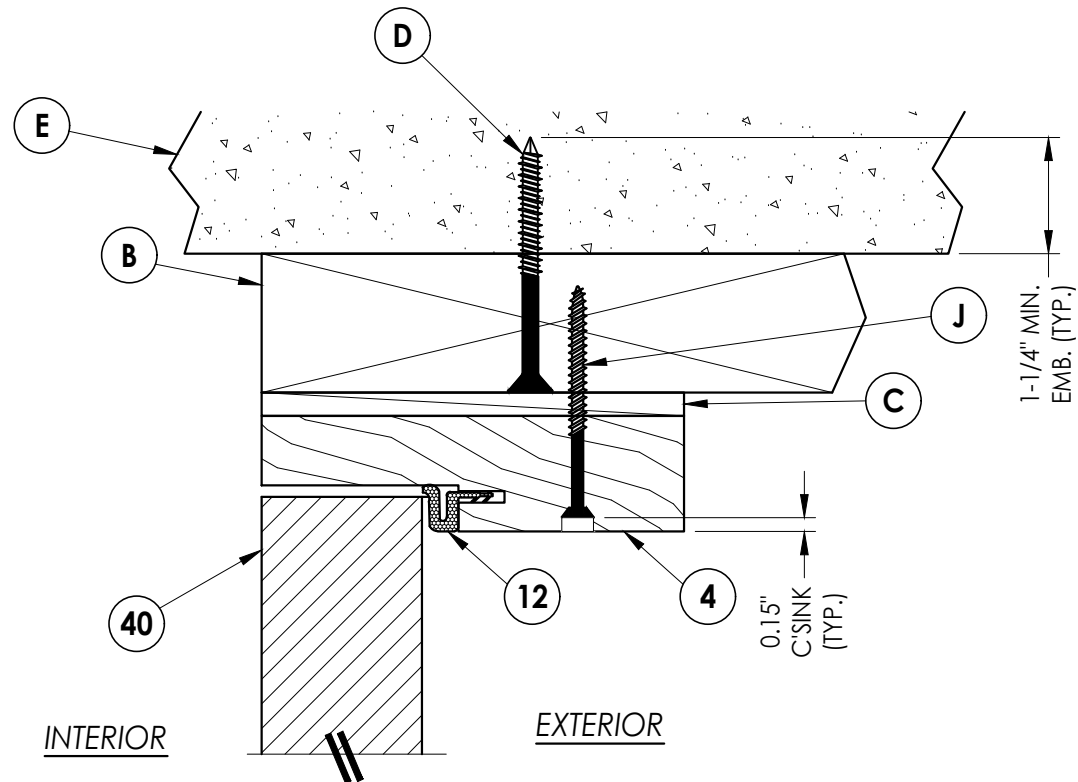
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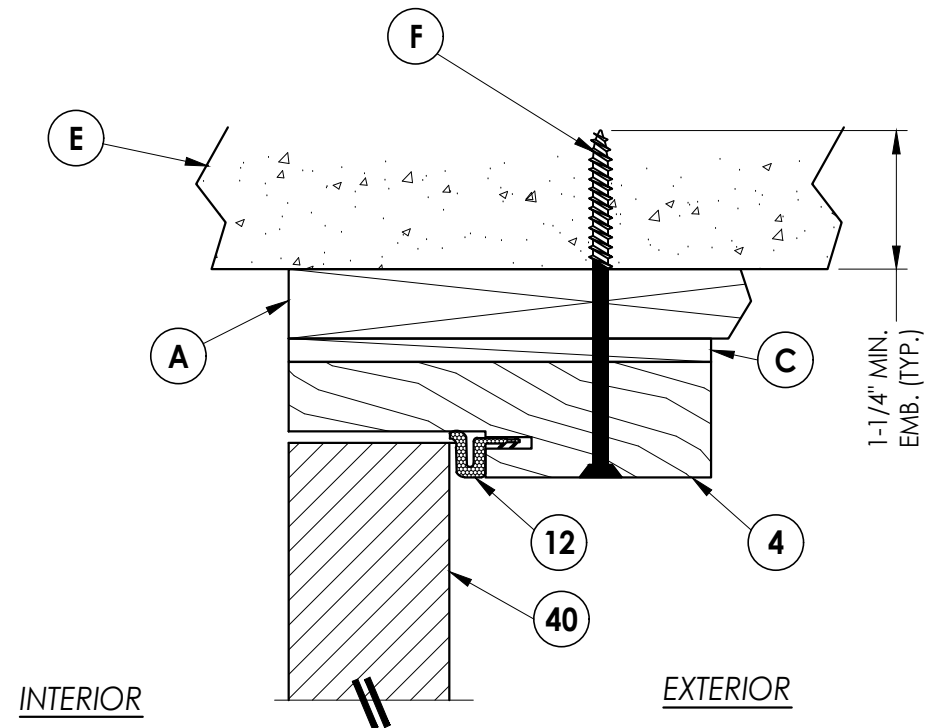
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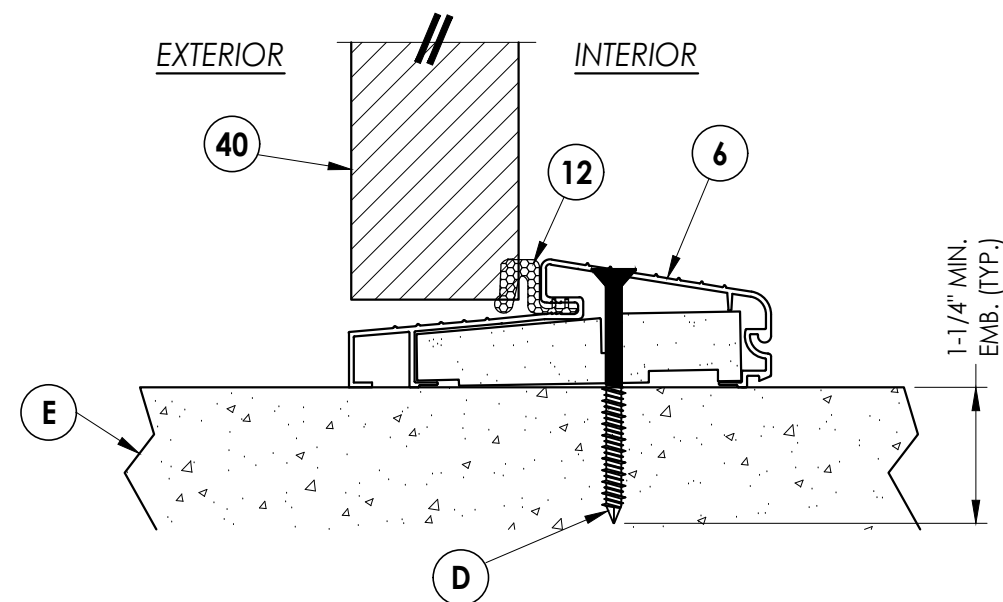
SHEET 4 OF 9



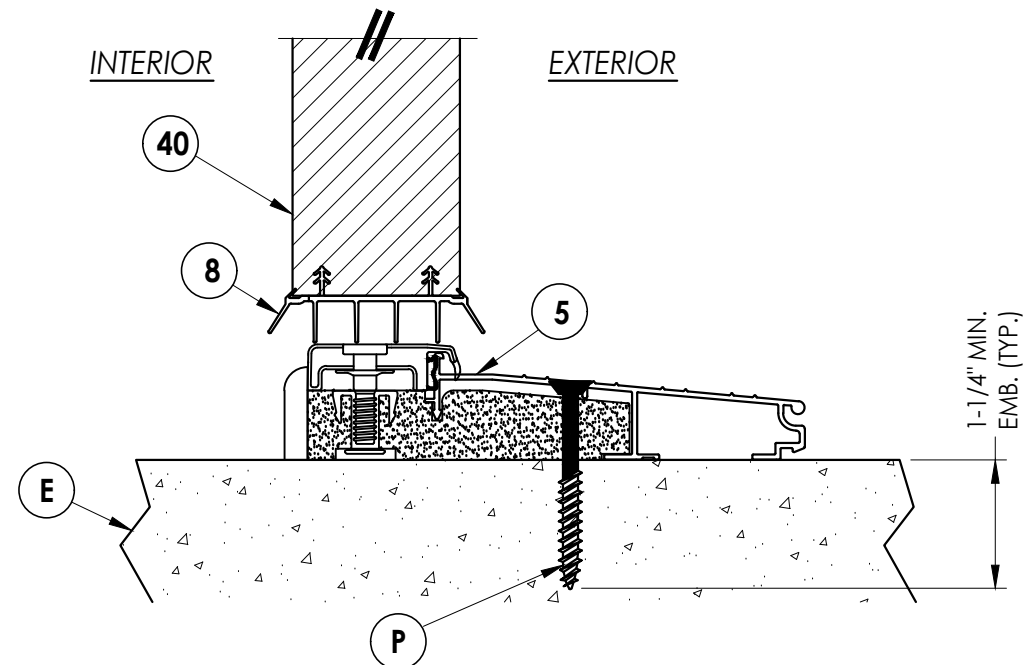
1 **VERTICAL CROSS SECTION**
5 Inswing shown - outswing
also approved



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



3 VERTICAL CROSS SECTION



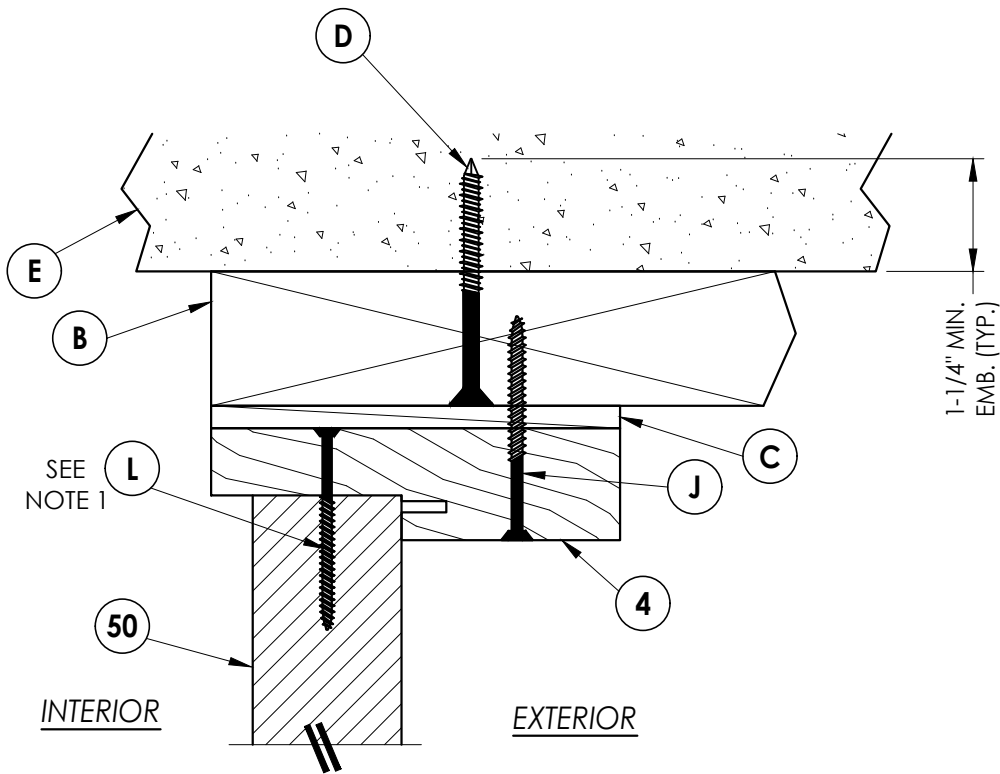
4 VERTICAL CROSS SECTION

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

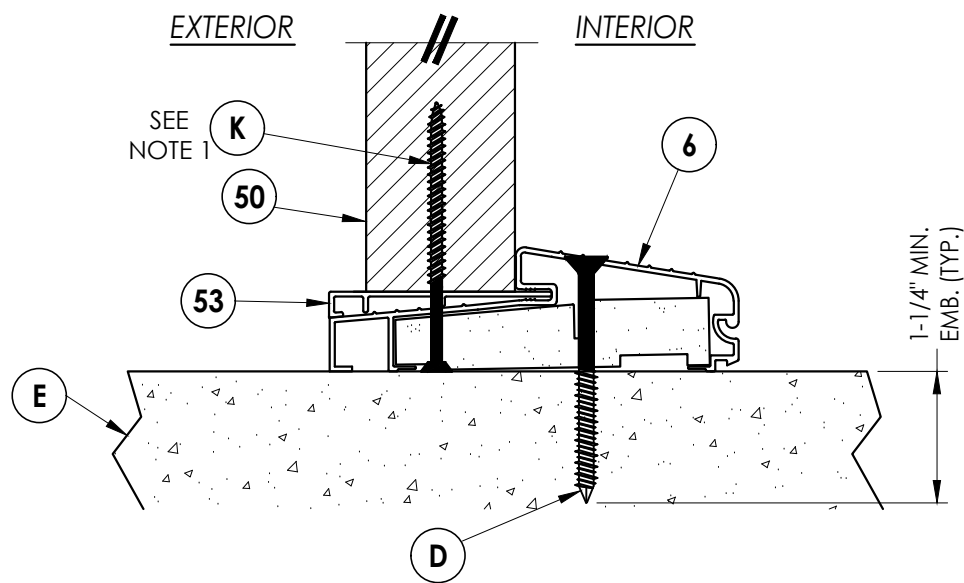
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2	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS					
1	10/08/17	UPDATE TO 6TH ED. (2017)	FBC	JK					
NO.	DATE			BY					
REVISIONS									

DATE: 10/20/15	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-17903.11	
SHEET 5	OF 9

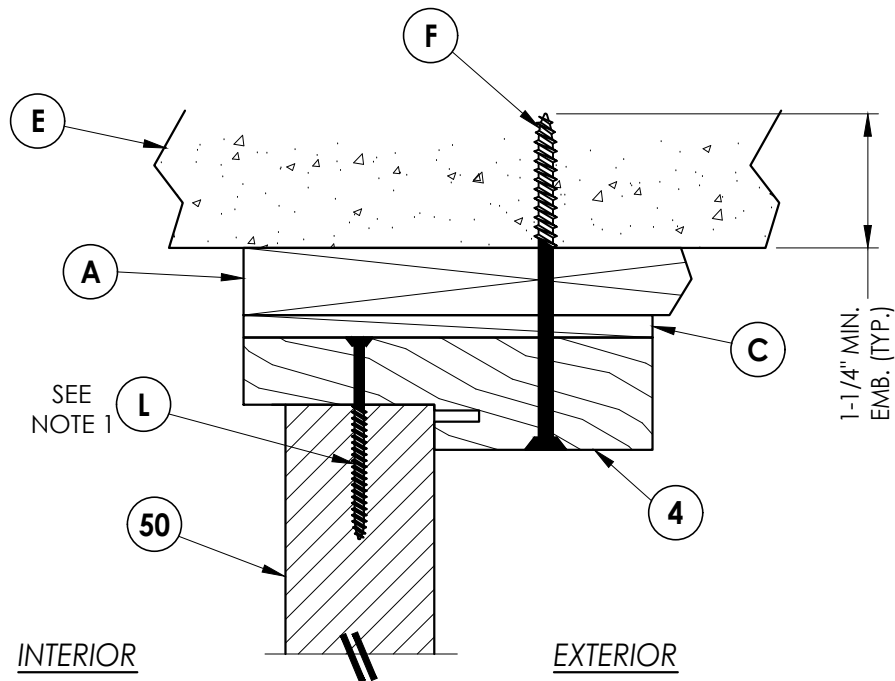
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1
6 **VERTICAL CROSS SECTION**
Inswing shown - outswing
also approved

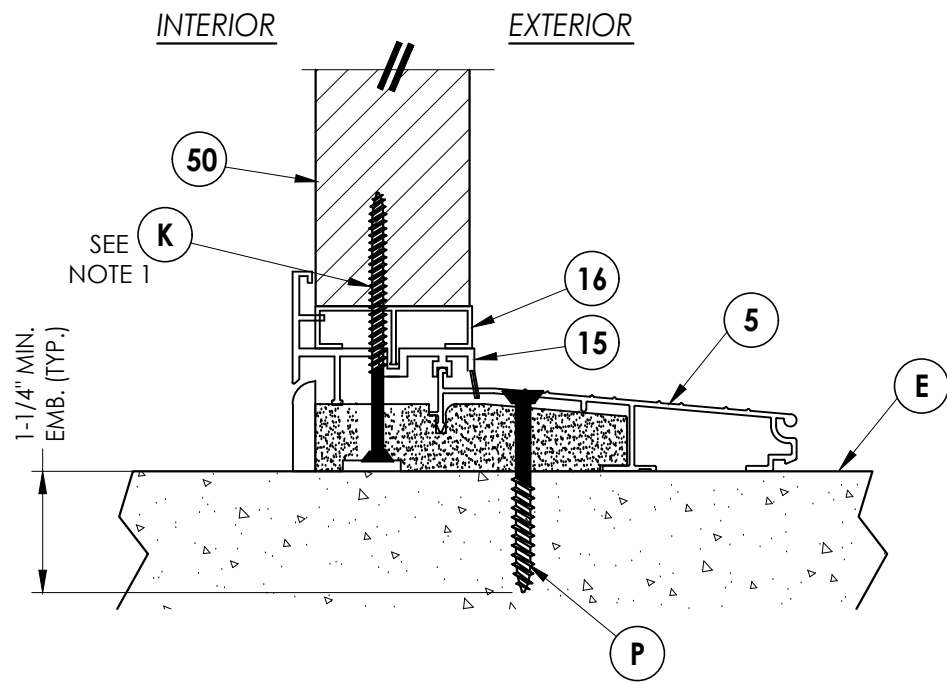


3
6 **VERTICAL CROSS SECTION**
Outswing sill



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

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



4
6 **VERTICAL CROSS SECTION**
Inswing sill

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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:
STEVE'S AND SONS

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	BY
3	8/07/23	LFS
2	9/16/20	LFS
1	10/08/17	JK

DATE: 10/20/15

SCALE: N.T.S.

DWG. BY: JK

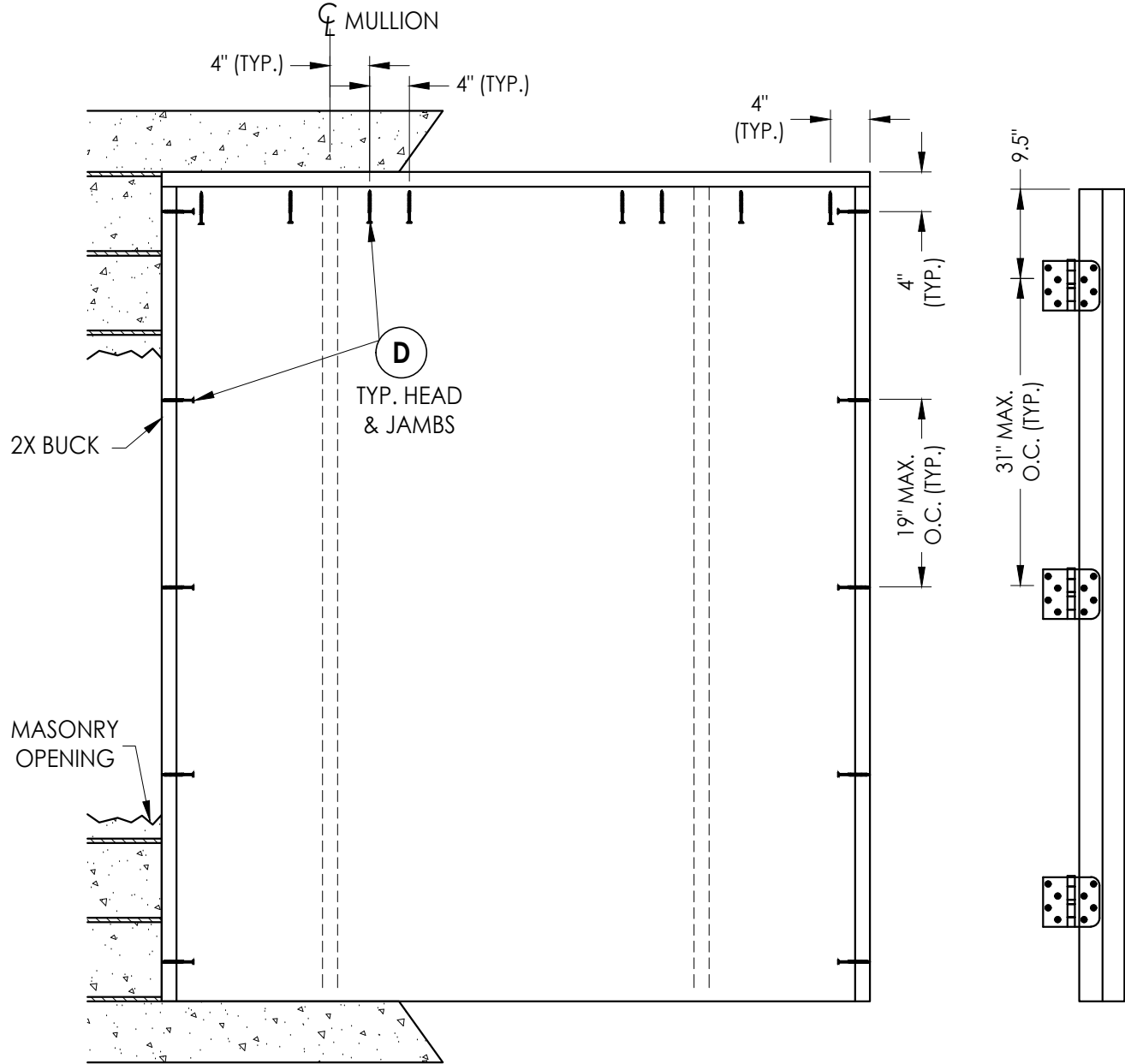
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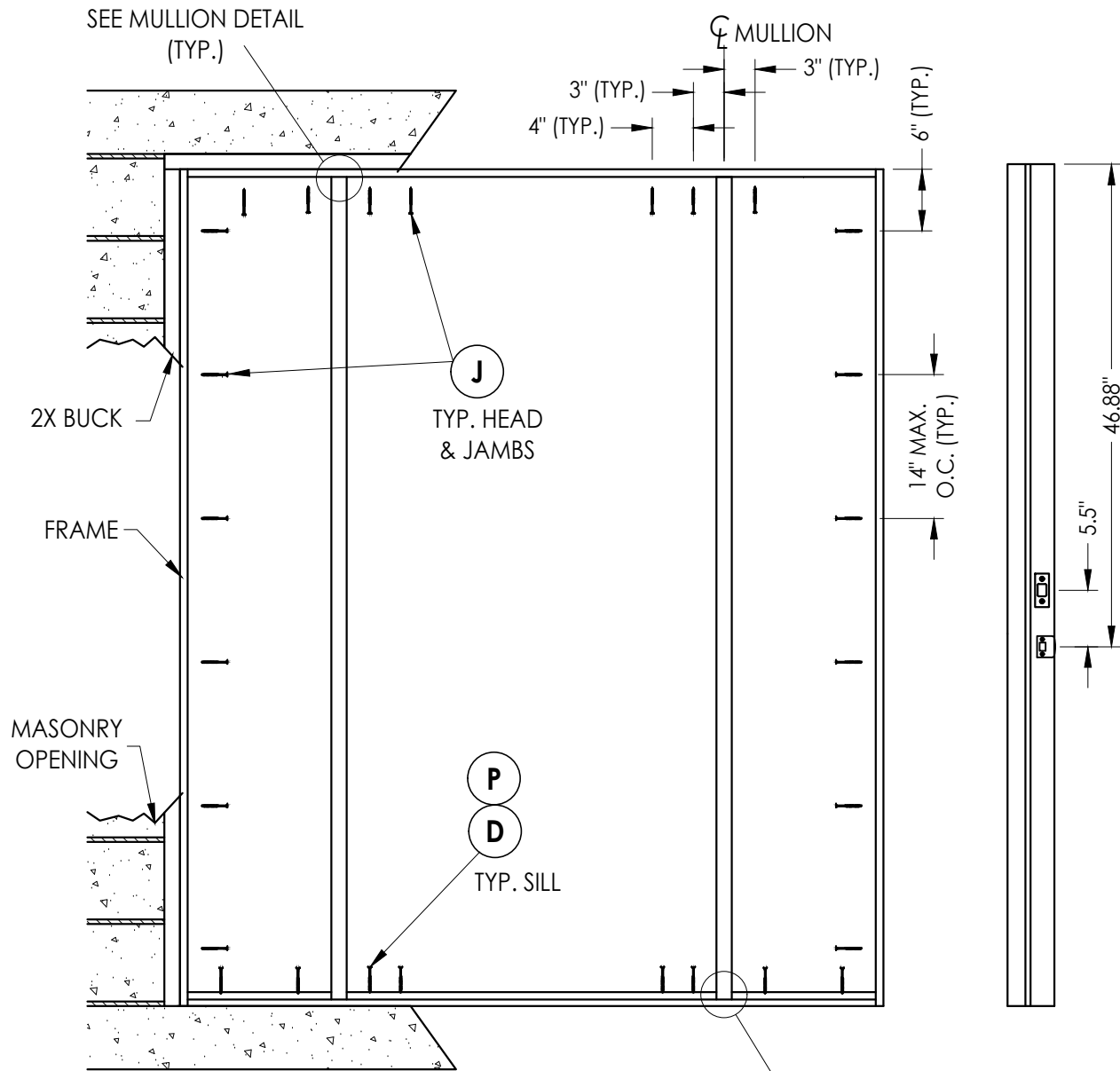
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SHEET 6 OF 9

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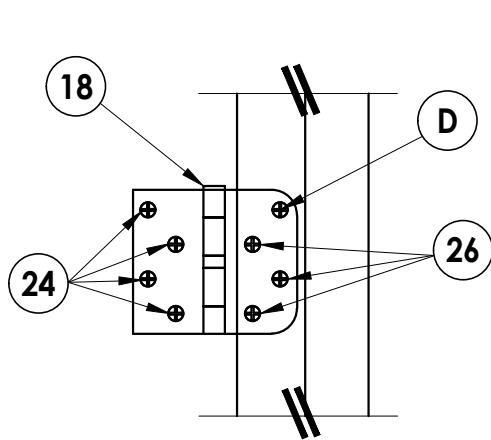


BUCK ANCHORING

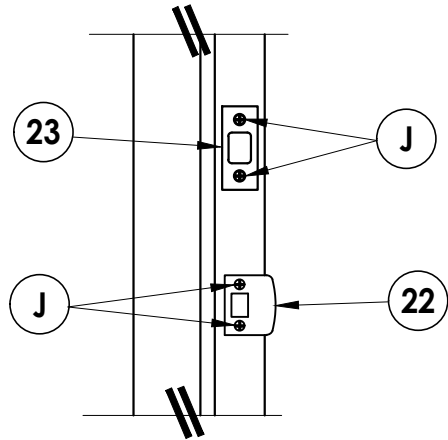


FRAME ANCHORING

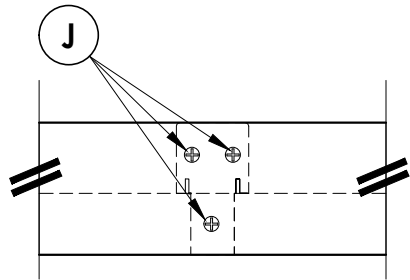
STRIKE JAMB



HINGE DETAIL



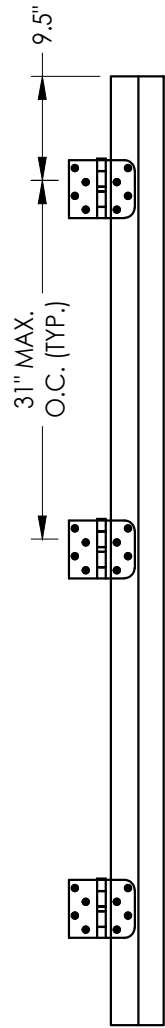
LATCH AND DEADBOLT DETAIL



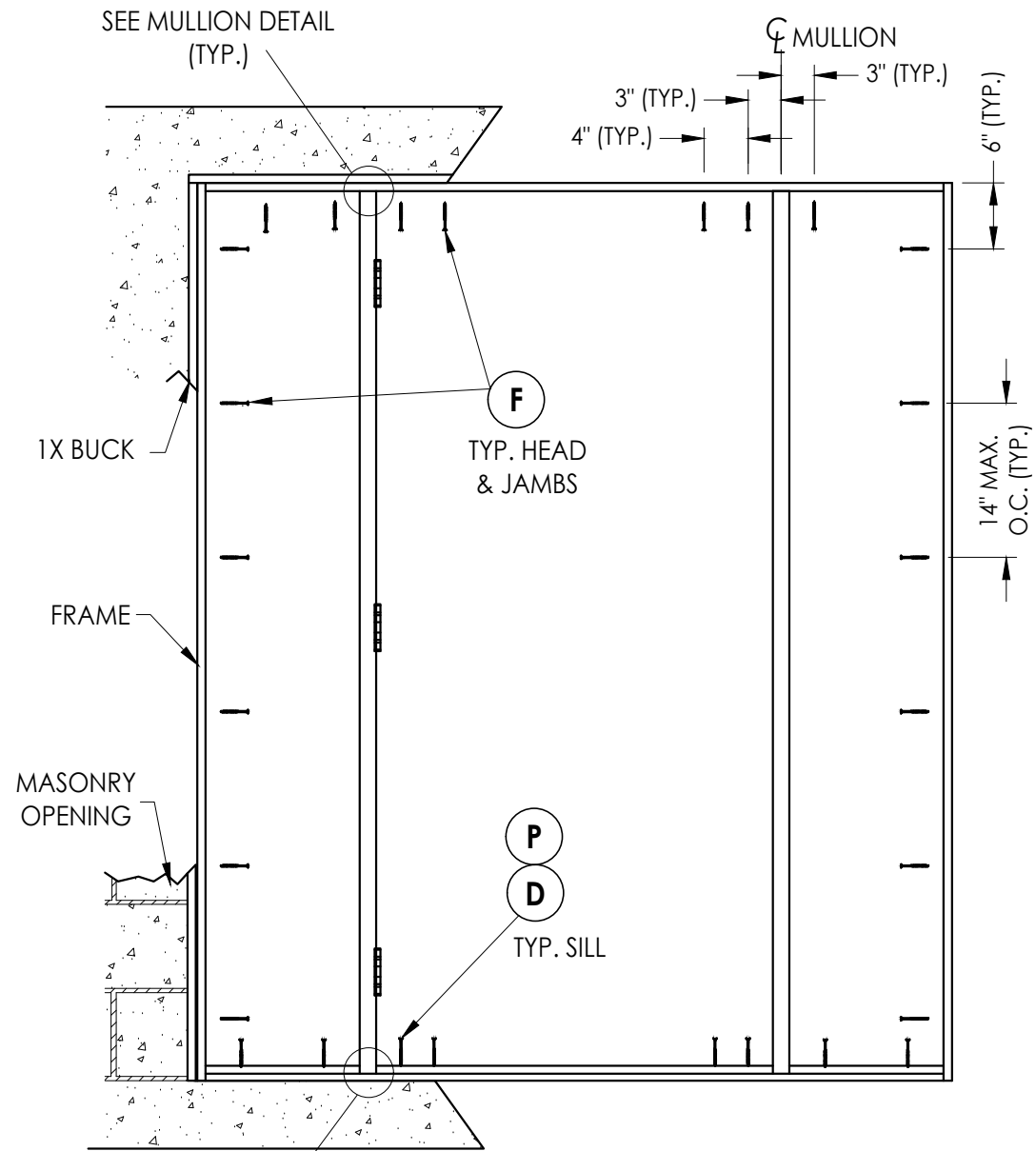
MULLION DETAIL

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: BUCK AND FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION			
				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: 10/20/15							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-17903.11							
SHEET 7 OF 9							

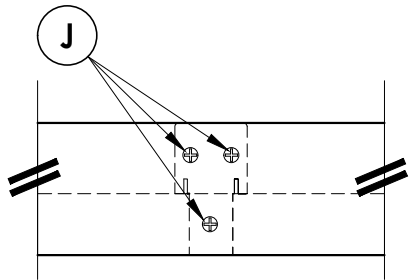
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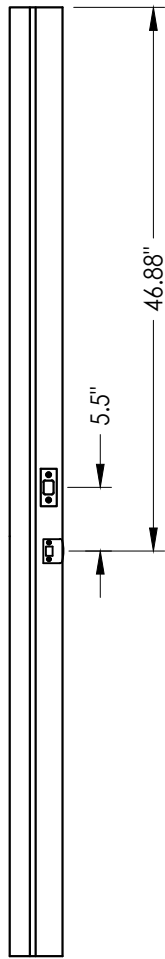
HINGE JAMB



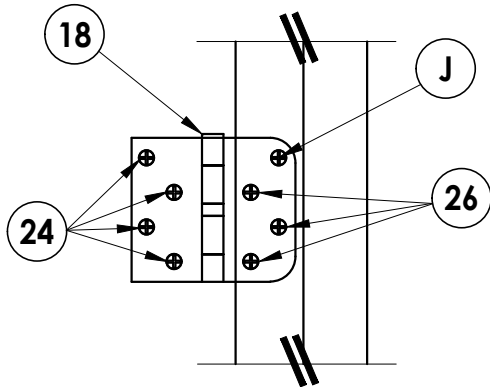
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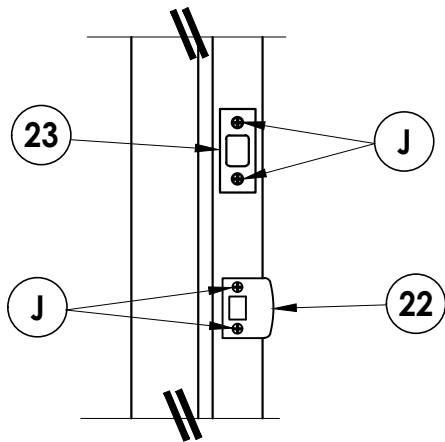
MULLION DETAIL



STRIKE JAMB



HINGE DETAIL



LATCH AND DEADBOLT 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: 10/20/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-17903.11

SHEET 8 OF 9

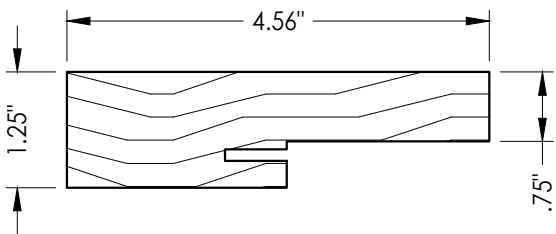
PRODUCT:	STEVES AND SONS
PART OR ASSEMBLY:	FRAME ANCHORING 1X BUCK MASONRY CONSTRUCTION

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

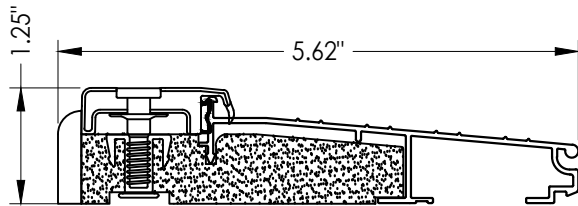
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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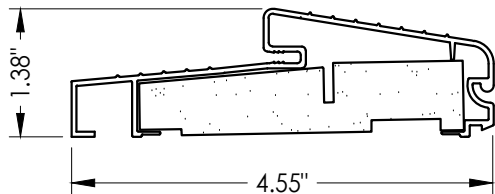
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	#10 X 2-1/2" PFH WS (1.15" MIN. JAMB EMBEDMENT)	STEEL
K	#8 X 3" PFH WS	STEEL
L	#8 X 2-1/2" PFH WS	STEEL
P	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
3	SIDE JAMB - FINGER-JOINT PINE (SG >= 0.42)	WOOD
4	HEAD - FINGER-JOINT PINE (SG >= 0.42)	WOOD
5	INSWING THRESHOLD	ALUM/COMP
6	OUTSWING THRESHOLD	ALUM/COMP
8	DOOR BOTTOM SWEEP	-
10	MULLION (PINE: SG >= 0.42)	WOOD
12	WEATHER STRIP (Q-LON)	FOAM
15	SIDELITE BASE (OUTSWING THRESHOLD)	PVC
16	SIDELITE INSERT (INSWING THRESHOLD)	PVC
17	SIDELITE SPACER (INSWING THRESHOLD)	PVC
18	4" X 4" HINGE	STEEL
22	LATCH STRIKE PLATE	STEEL
23	DEADBOLT STRIKE	STEEL
24	#10 X 3/4" PFH WS	STEEL
26	#10 X 1" PFH WS	STEEL
40	STEEL DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
50	STEEL SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-



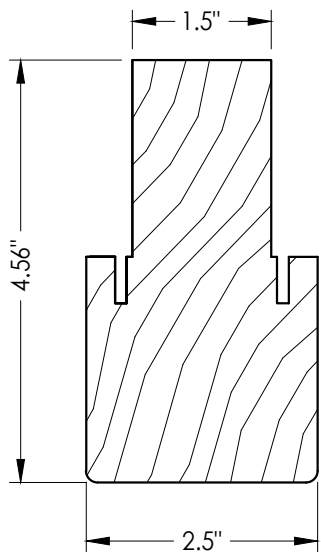
4 3 SIDE & HEAD JAMBS



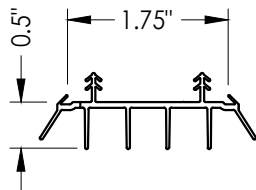
5 INSWING THRESHOLD
AFCO



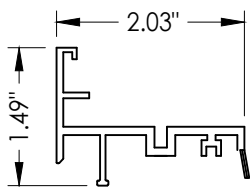
6 OUTSWING THRESHOLD
AFCO



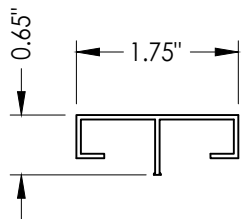
10 MULLION



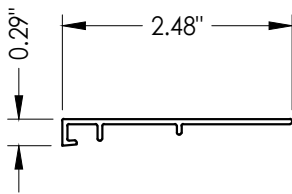
8 SWEEP



15 SIDELITE BASE
AFCO



16 SIDELITE INSERT
AFCO



17 SIDELITE SPACER
AFCO

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"

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:
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P.E. No. 43409

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

PRODUCT:

STEVES AND SONS

PART OR ASSEMBLY:

BILL OF MATERIALS
& COMPONENTS

DATE: 10/20/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-17903.11

SHEET 9 OF 9