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

Digitally signed by Lyndon F Schmidt
Date: 2026.07.07 14:55:19 -04'00'

L. F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER

This item has been digitally signed and sealed by **L. F. Schmidt, P.E.** on the date adjacent to the seal.

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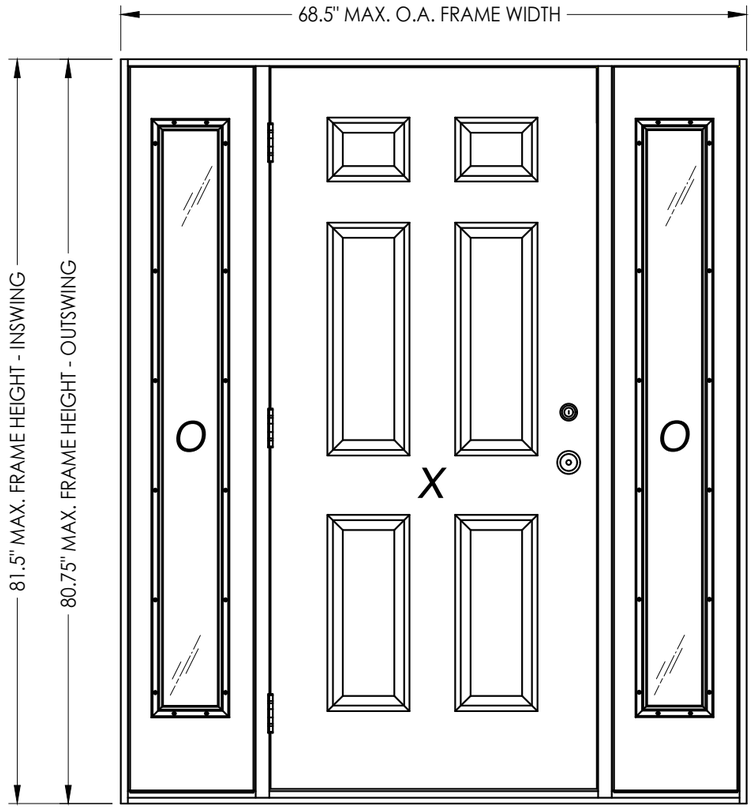
THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA

# *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.

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| 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 |


***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** |

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

PRODUCT: STEVES AND SONS

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

| NO. | DATE | REVISIONS | BY |
|---|---|---|---|
| 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 |

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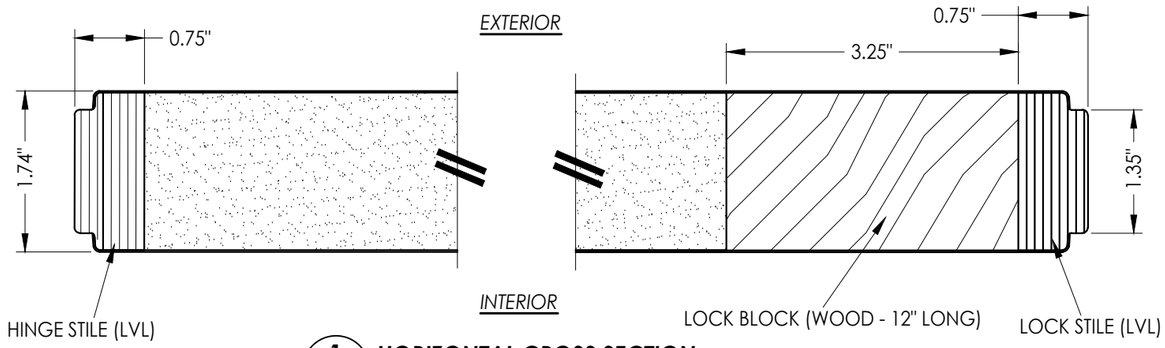
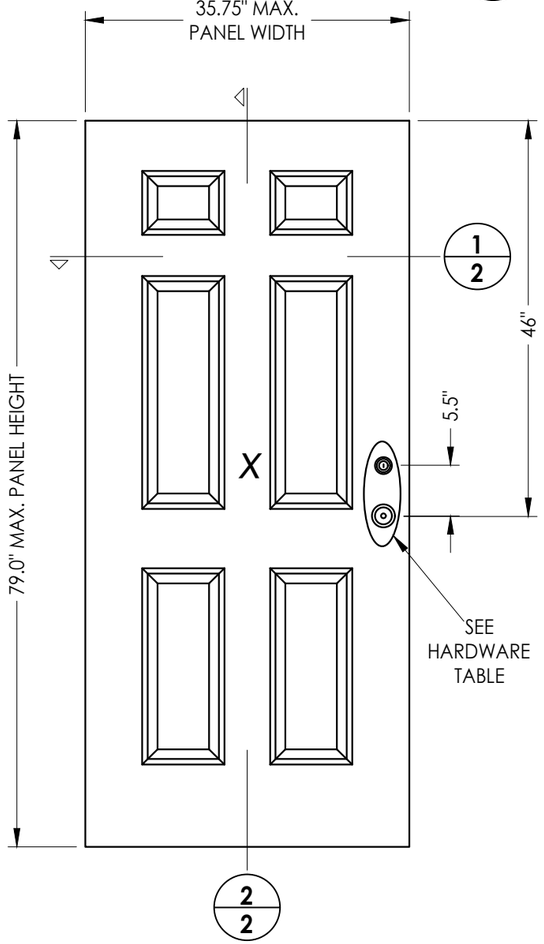
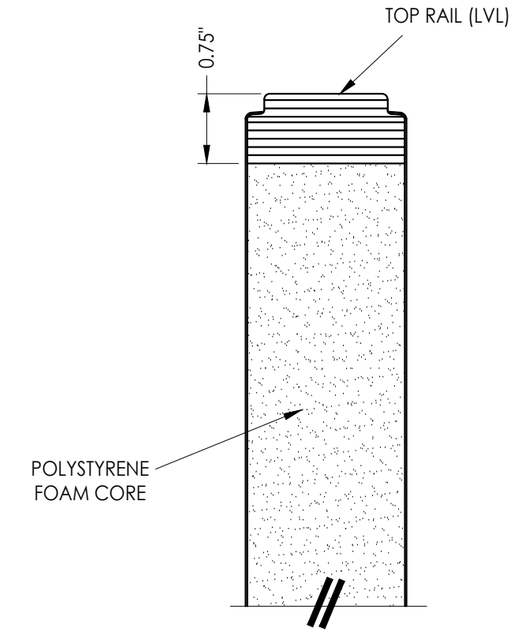


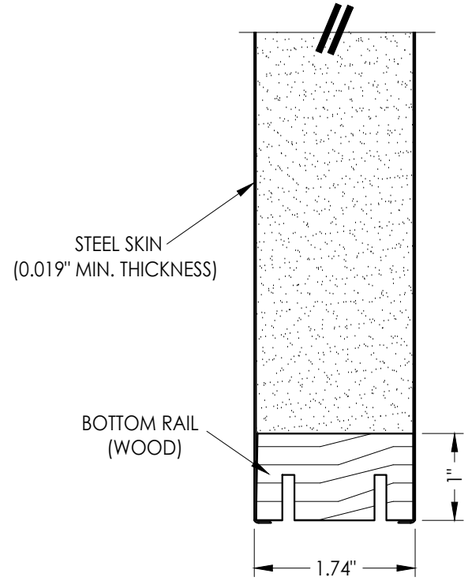

1/2 ***HORIZONTAL CROSS SECTION***




40 ***STEEL DOOR***
OPAQUE

| *HARDWARE TABLE* | |
|---|---|
| ***MANUFACTURER*** | ***MODEL*** |
| **KWIKSET** | **KNOB: SERIES (400)**<br>**DEADBOLT: SERIES (660)** |




2/2 ***VERTICAL CROSS SECTION***

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PRODUCT: *STEVES AND SONS*

PART OR ASSEMBLY:
*DOOR PANEL CONSTRUCTION DETAILS*

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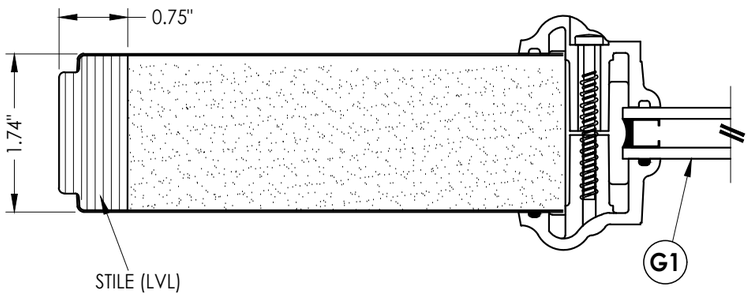


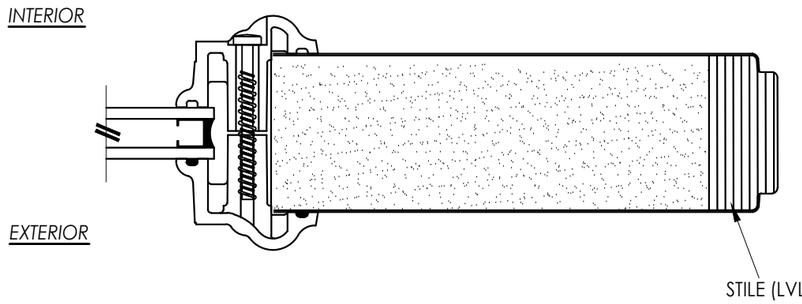


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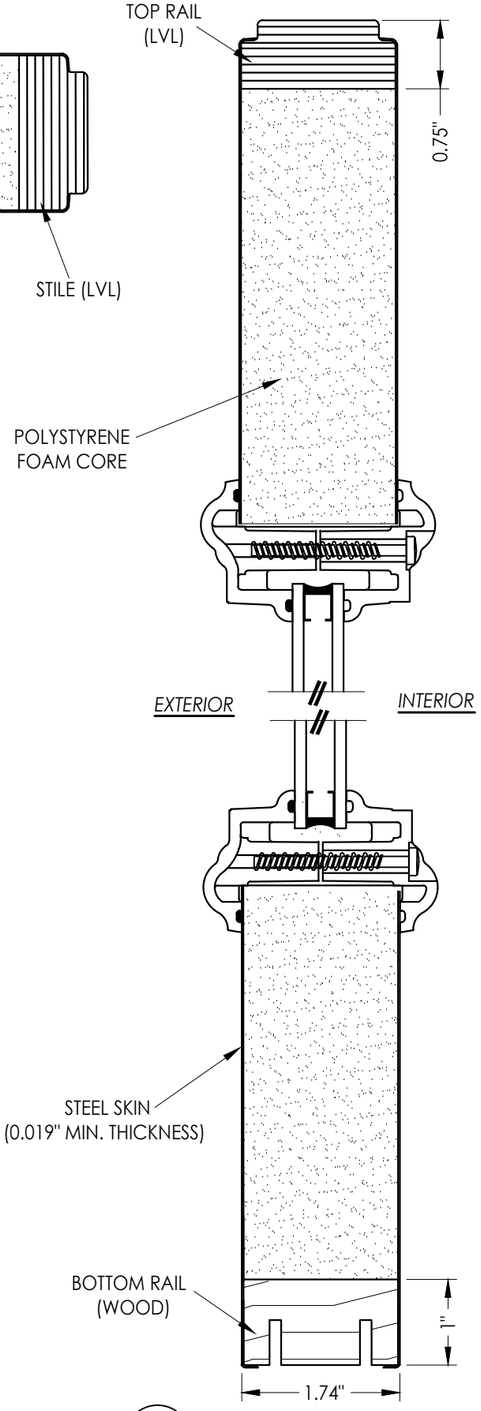
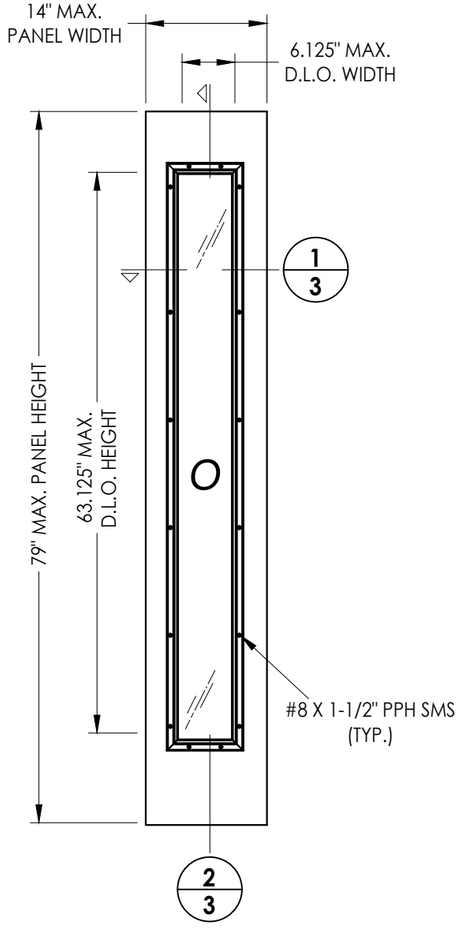
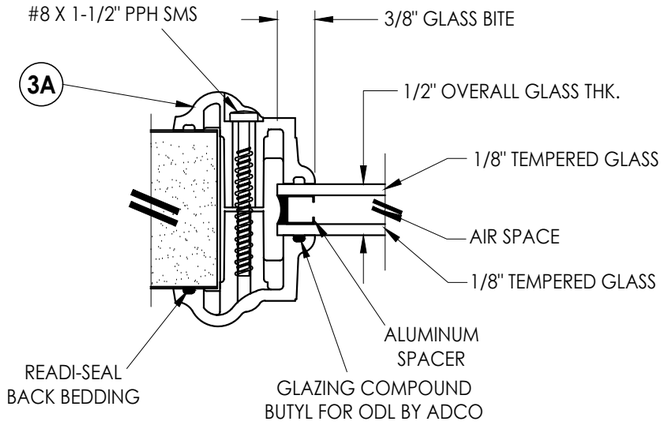


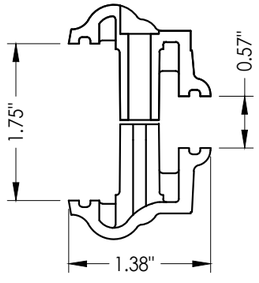

2/3 **VERTICAL CROSS SECTION**




50 **SIDELITE PANEL**




G1 **GLAZING DETAIL**
ODL Lite Frame




3A **ODL LITE FRAME**
HP Polypropylene

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PRODUCT: STEVES AND SONS

PART OR ASSEMBLY: SIDELITE PANEL CONSTRUCTION & GLAZING DETAILS

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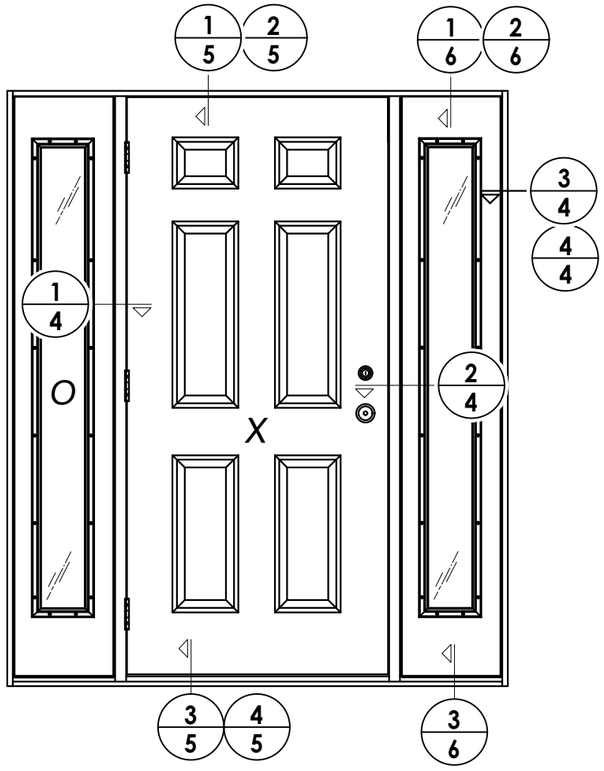
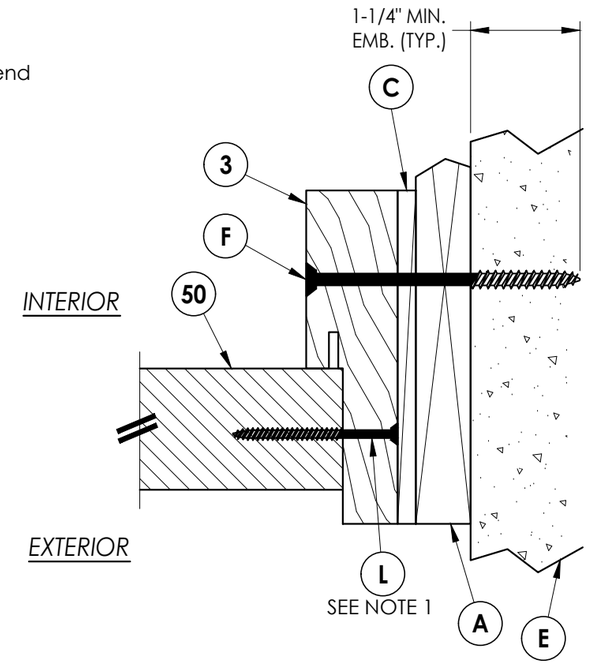
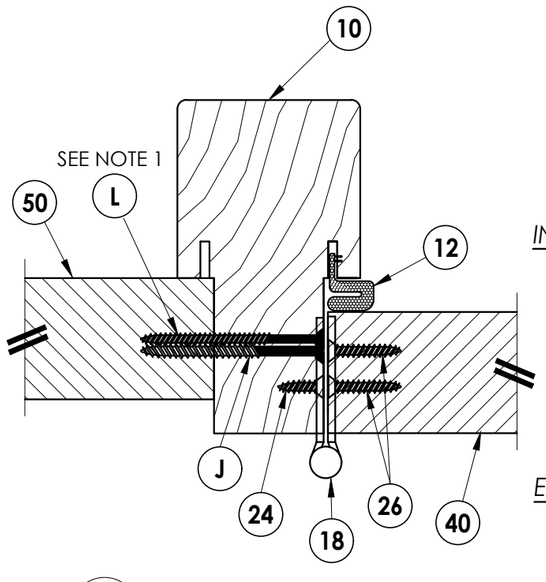



NOTE:

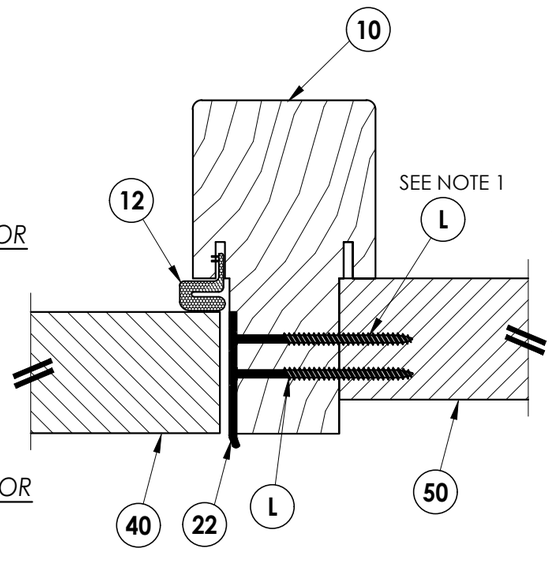
1. Sidelite ass'y fasteners: 6" from each end & 3 more equally spaced between (5 screws total per jamb).



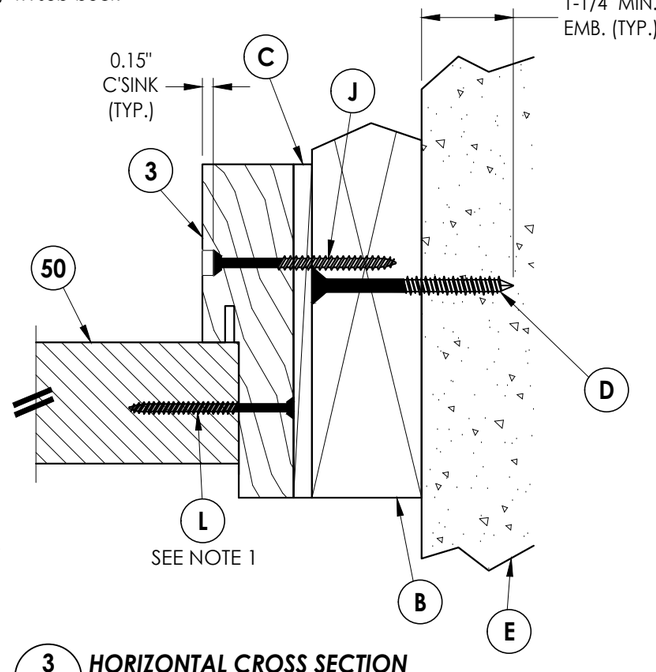

**4/4 HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck




**1/4 HORIZONTAL CROSS SECTION**
Outswing shown - inswing also approved




**2/4 HORIZONTAL CROSS SECTION**
Outswing shown - inswing also approved




**3/4 HORIZONTAL CROSS SECTION**
Outswing shown - inswing also approved

INTERIOR

EXTERIOR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PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

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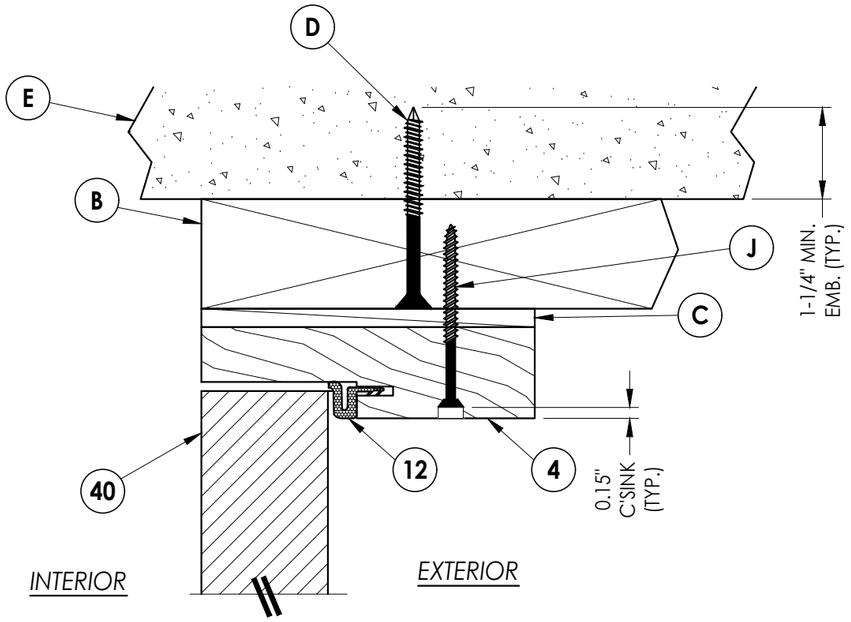
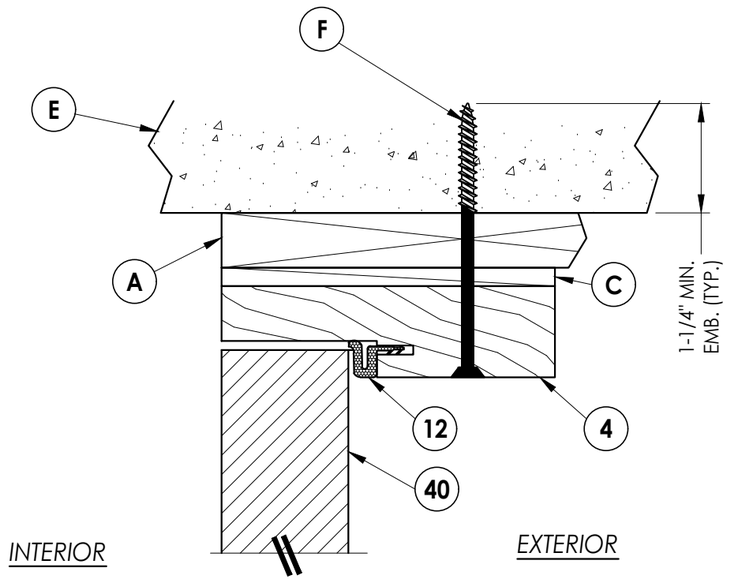
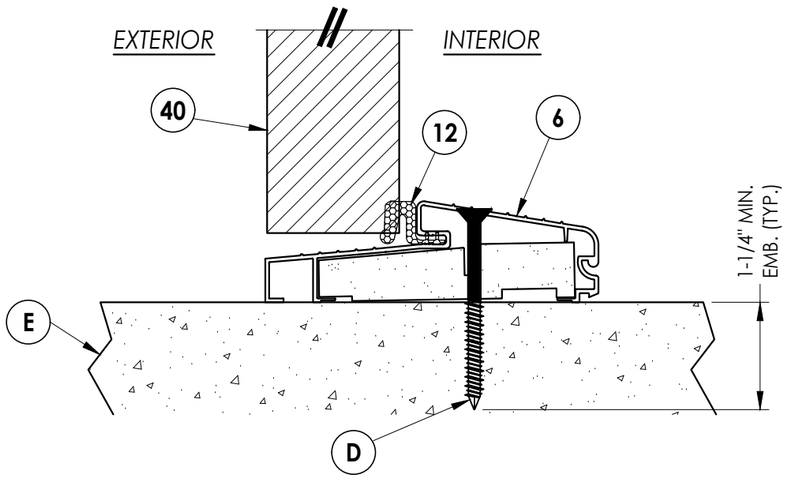


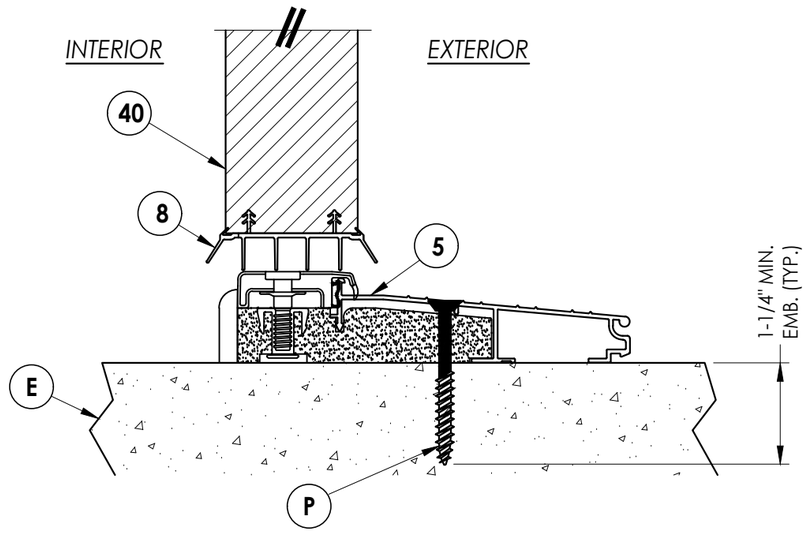

1/5 **VERTICAL CROSS SECTION**
Inswing shown - outswing also approved




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




3/5 **VERTICAL CROSS SECTION**
Outswing sill




4/5 **VERTICAL CROSS SECTION**
Inswing sill

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PRODUCT: STEVES AND SONS

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

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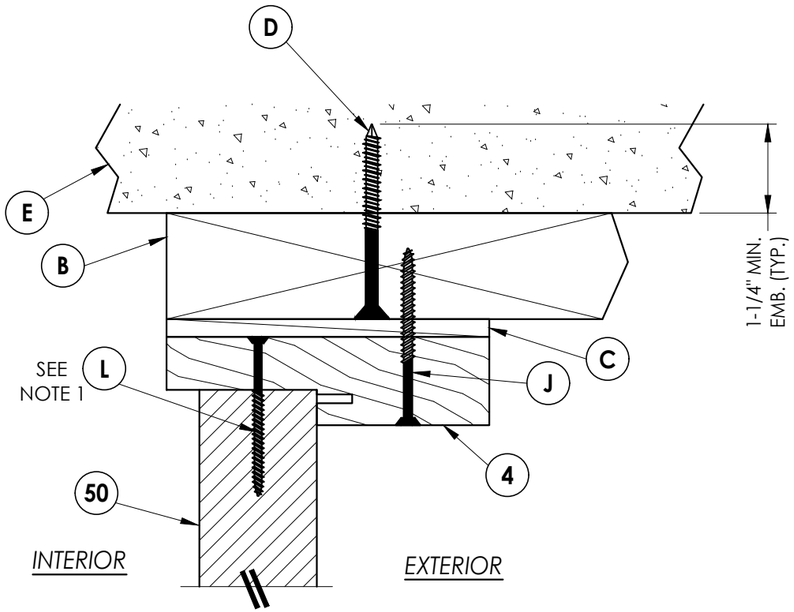
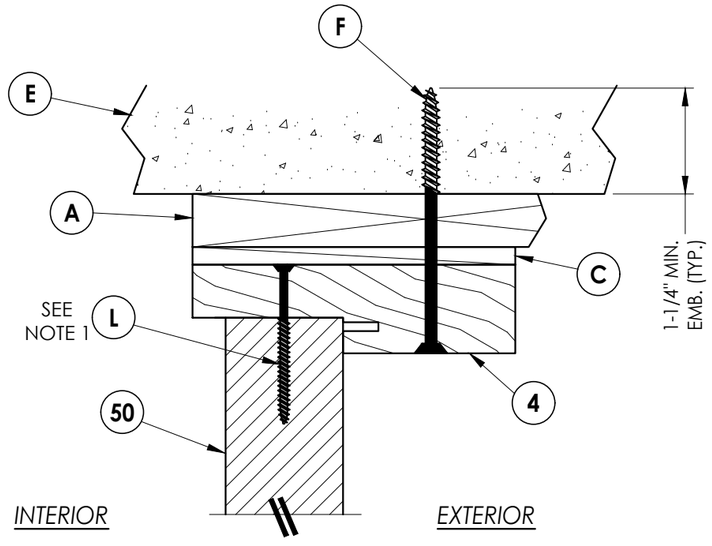


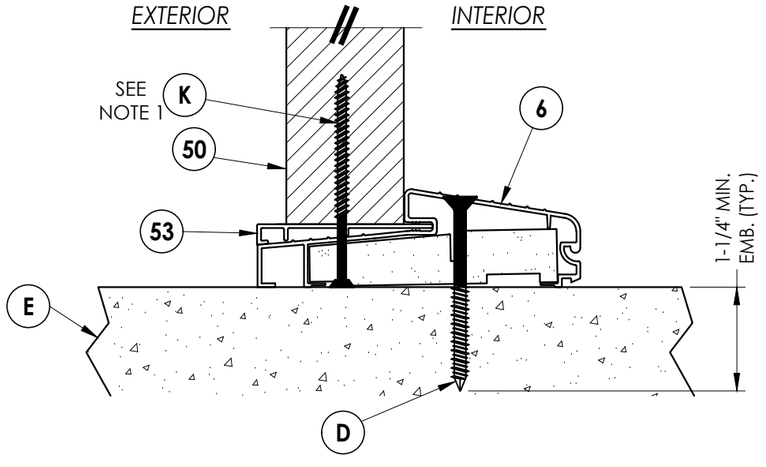

**1/6 VERTICAL CROSS SECTION**
Inswing shown - outswing also approved



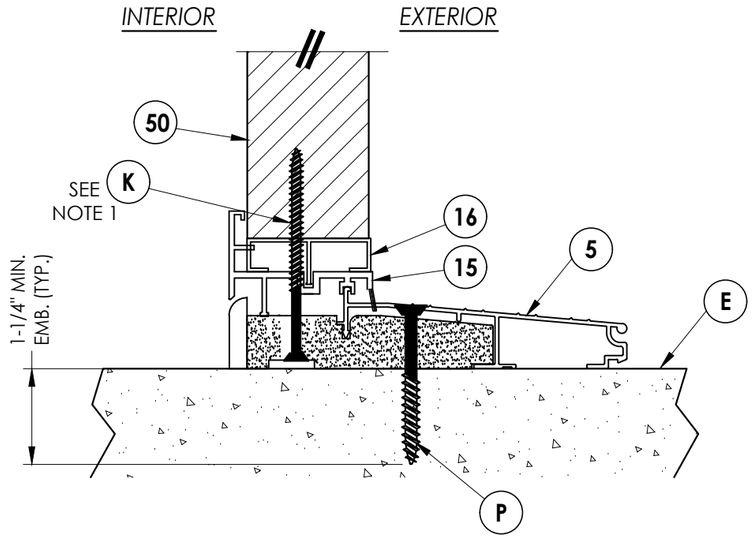

**2/6 VERTICAL CROSS SECTION**
Shown w/1X sub-buck

NOTE:

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




**3/6 VERTICAL CROSS SECTION**
Outswing sill




**4/6 VERTICAL CROSS SECTION**
Inswing sill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PRODUCT:
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PART OR ASSEMBLY:
*VERTICAL CROSS SECTIONS*

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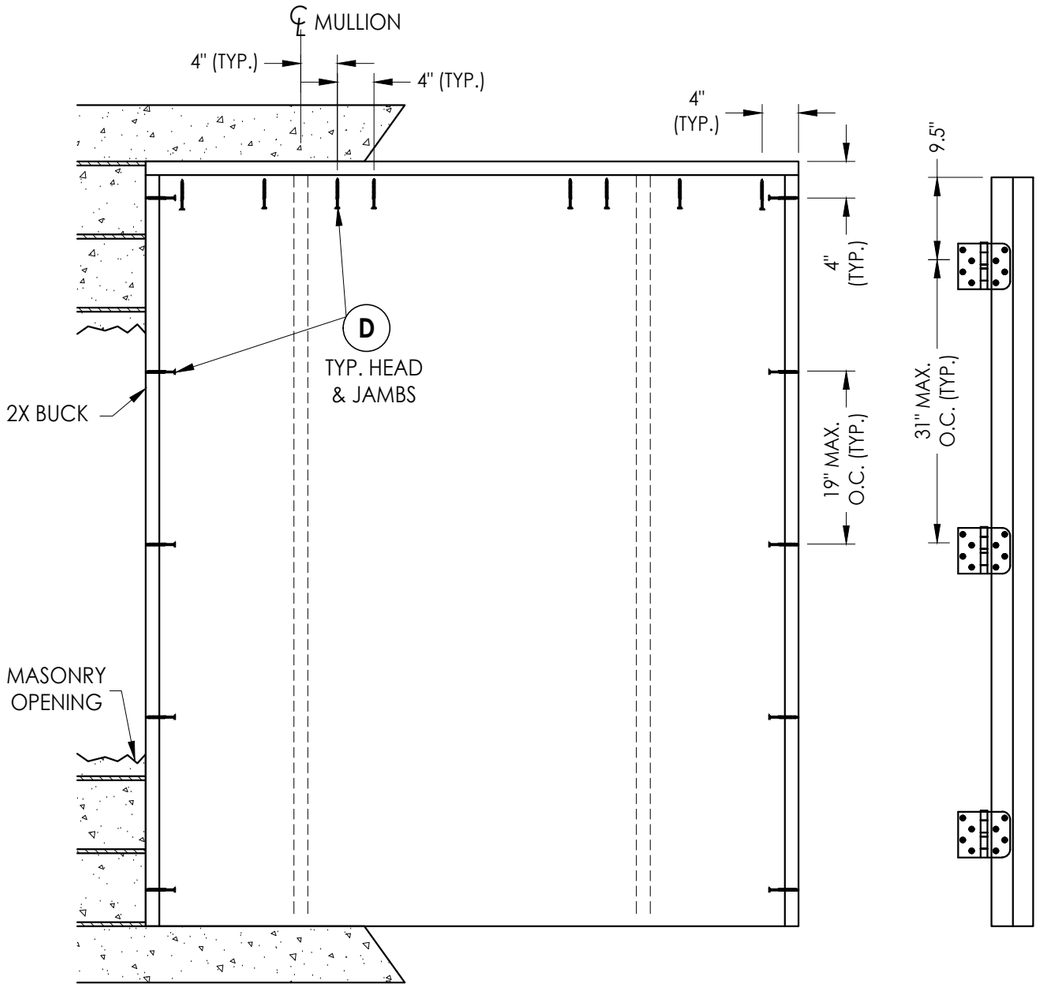
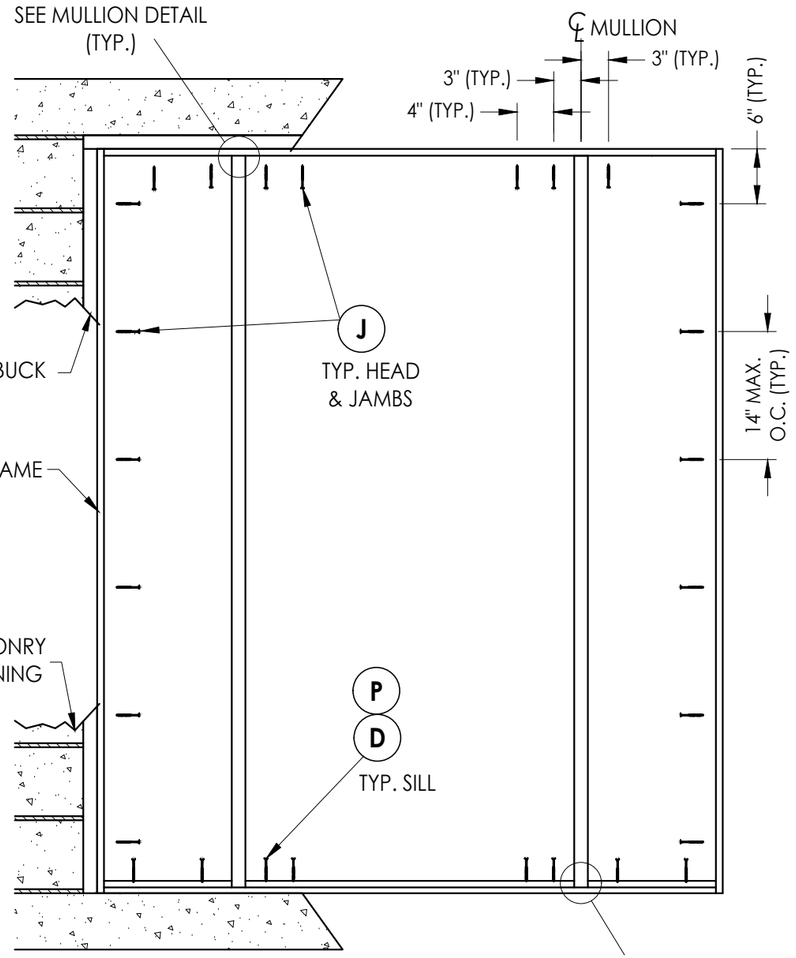


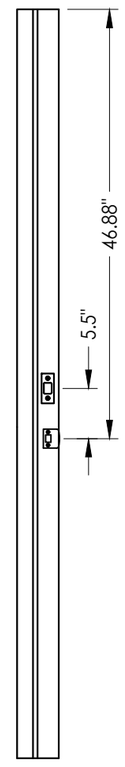

**BUCK ANCHORING**



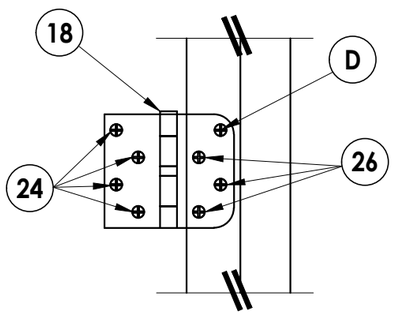

**HINGE JAMB**



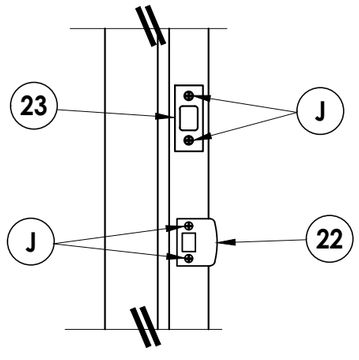

**FRAME ANCHORING**



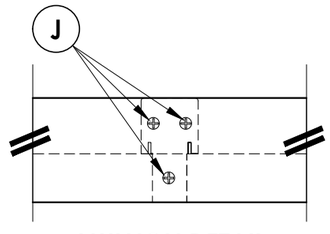

**STRIKE JAMB**




**HINGE DETAIL**




**LATCH AND DEADBOLT DETAIL**




**MULLION DETAIL**

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PRODUCT: STEVES AND SONS

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

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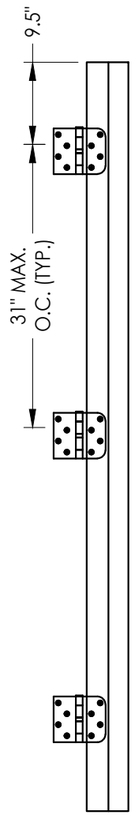
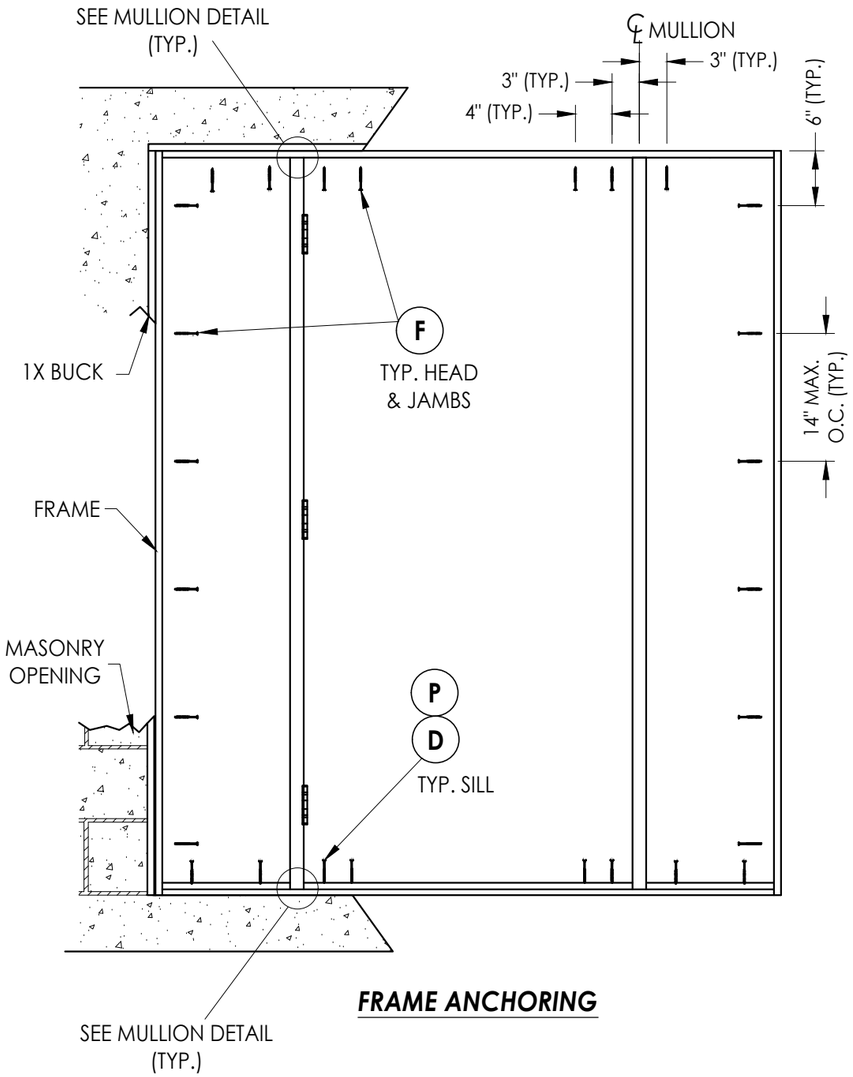
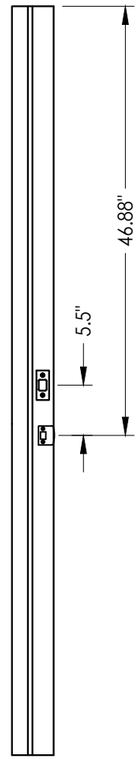


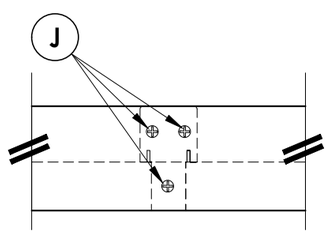

**HINGE JAMB**



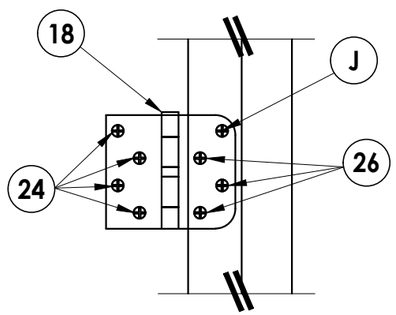

**FRAME ANCHORING**



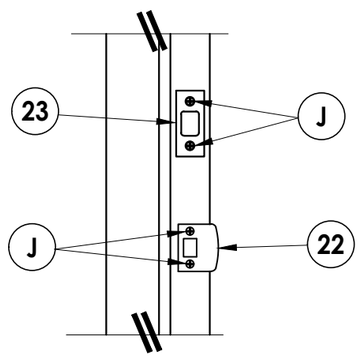

**STRIKE JAMB**




**MULLION DETAIL**




**HINGE DETAIL**




**LATCH AND DEADBOLT DETAIL**

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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*
*1X BUCK MASONRY CONSTRUCTION*

| NO. | DATE | REVISIONS | BY |
|---|---|---|---|
| 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: 10/20/15
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SHEET 8 OF 9

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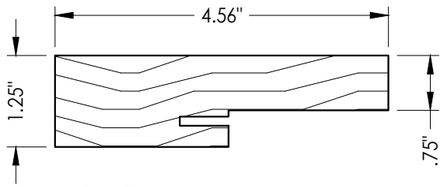
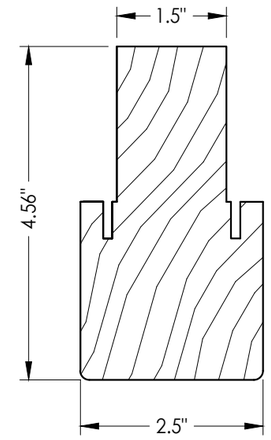
## BILL OF MATERIALS

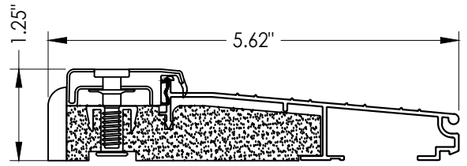
| ITEM # | DESCRIPTION | MATERIAL |
|---|---|---|
| A | 1X BUCK (SG >= 0.42) | WOOD |
| B | 2X BUCK (SG >= 0.42) | WOOD |
| C | 1/4" MAX. SHIM SPACE | - |
| D | 1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW | STEEL |
| E | MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING 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 | - |



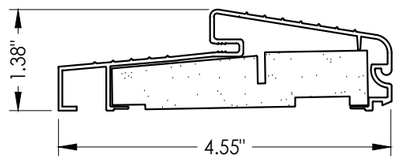

4 3 **SIDE & HEAD JAMBS**



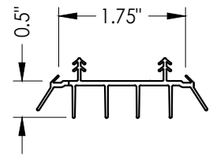

10 **MULLION**



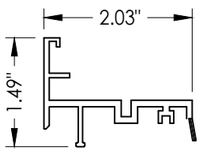

5 **INSWING THRESHOLD**
AFCO



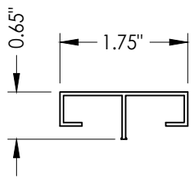

6 **OUTSWING THRESHOLD**
AFCO



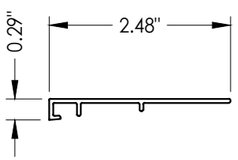

8 **SWEEP**




15 **SIDELITE BASE**
AFCO




16 **SIDELITE INSERT**
AFCO




17 **SIDELITE SPACER**
AFCO

*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" |

*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.*


Documents Prepared By:
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PRODUCT: STEVES AND SONS

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