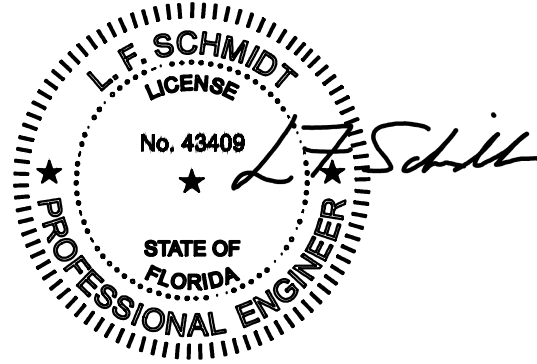




This item has been digitally signed and sealed by  
**L. F. Schmidt, P.E.** on the date adjacent to the seal.  
Printed copies of this document are not  
considered signed and sealed and the signature  
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID  
ONLY FOR THE STATE OF FLORIDA

Digitally signed by  
Lyndon F Schmidt  
Date: 2025.10.15  
16:51:37 -04'00'

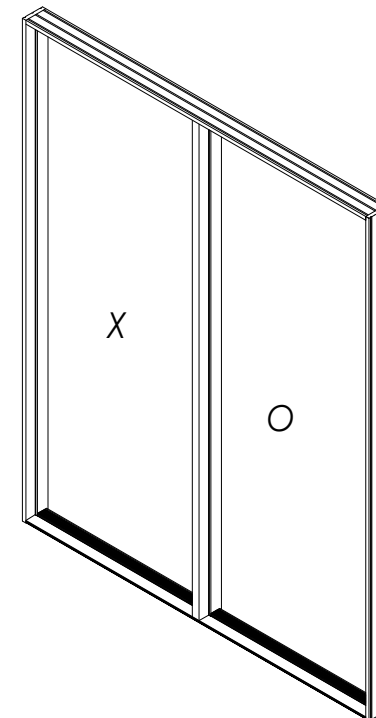
**YOUNG MANUFACTURING COMPANY, INC.**

**CONTINUOUS HEAD & SILL FRAME SYSTEM**

**"ARMALAST" OR "PRIMED"**

**POPLAR WOOD**

**INSWING**  
**"NON-IMPACT"**

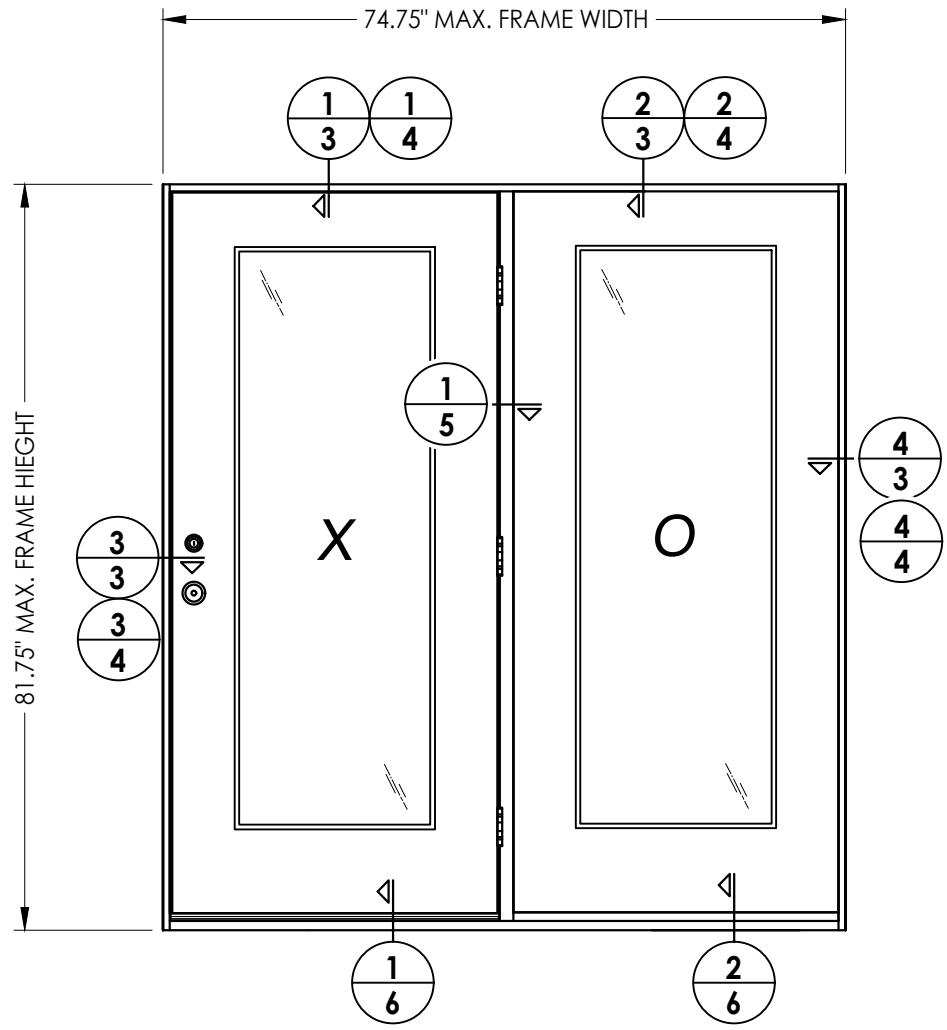


## CENTER-HINGED PATIO DOOR

| TABLE OF CONTENTS |                                                      |         |                                                      |
|-------------------|------------------------------------------------------|---------|------------------------------------------------------|
| SHEET #           | DESCRIPTION                                          | SHEET # | DESCRIPTION                                          |
| 1                 | Typical elevations, design pressures & general notes | 5       | Horizontal Cross Sections                            |
| 2                 | Elevations                                           | 6       | Vertical Cross Sections (Thresholds)                 |
| 3                 | Horizontal & Vertical Cross Sections (2X Buck)       | 7       | Buck & Frame Anchoring (O/X, X/O) & Hardware Details |
| 4                 | Horizontal & Vertical Cross Sections (1X Buck)       | 8       | Bill of Materials & Components                       |

| CONFIGURATION | MAX.<br>FRAME<br>DIMENSION | DESIGN PRESSURE (PSF)<br>INSWING |          |
|---------------|----------------------------|----------------------------------|----------|
|               |                            | POSITIVE                         | NEGATIVE |
| XO / OX       | 74.75" x 81.75"            | +60.0                            | -60.0    |

|                                                                                                          |                |           |                                                                                                                  |                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------|----------------|-----------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DATE: 9/16/25<br>SCALE: N.T.S.<br>DWG. BY: LFS<br>CHK. BY: RW<br>DRAWING NO.: FL-47851.4<br>SHEET 1 OF 8 | NO. DATE<br>BY | REVISIONS | PRODUCT: YOUNG MFG<br>COMPONENTS<br><br>PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN<br>PRESSURES & GENERAL NOTES | Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409<br><br><div style="text-align: center; font-size: 2em; font-family: cursive;">RW</div> BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |
|----------------------------------------------------------------------------------------------------------|----------------|-----------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



SINGLE DOOR (CENTER HINGED) w/ SIDELITE  
(Shown with glazed door)

**NOTE:**  
SEE SEPARATE SIDE-HINGED DOOR & SIDELITE  
FLORIDA PRODUCT APPROVAL FOR DOOR & SIDELITE  
CONSTRUCTION DETAILS NOT SHOWN, INCLUDING  
LOCK HARDWARE & HINGE CONNECTIONS.

[illegible]

PRODUCT: \_\_\_\_\_

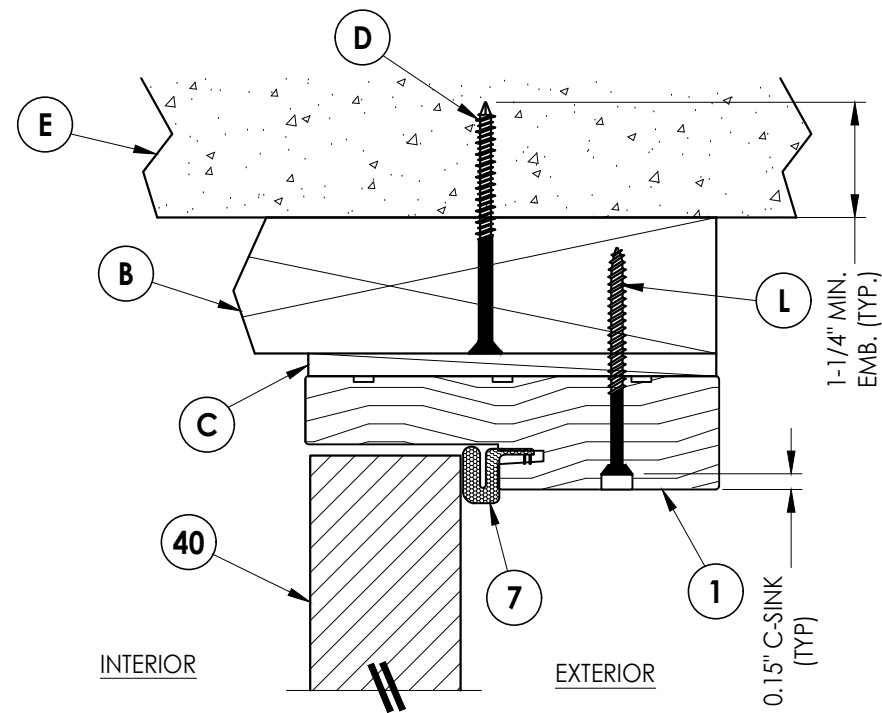
YOUNG MFG  
COMPONENTS

PART OR ASSEMBLY: \_\_\_\_\_

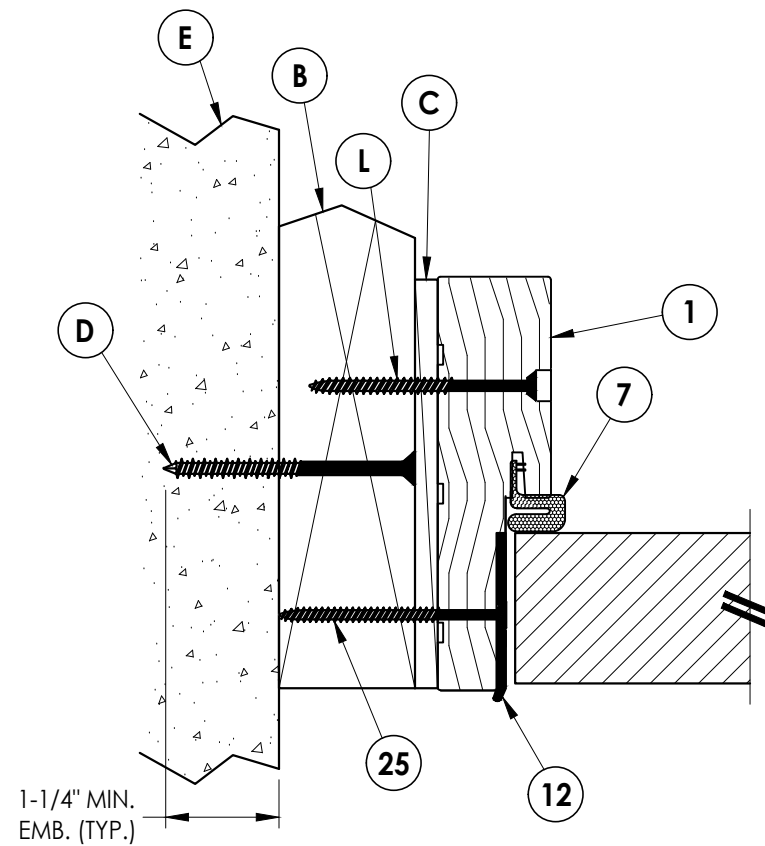
ELEVATIONS

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

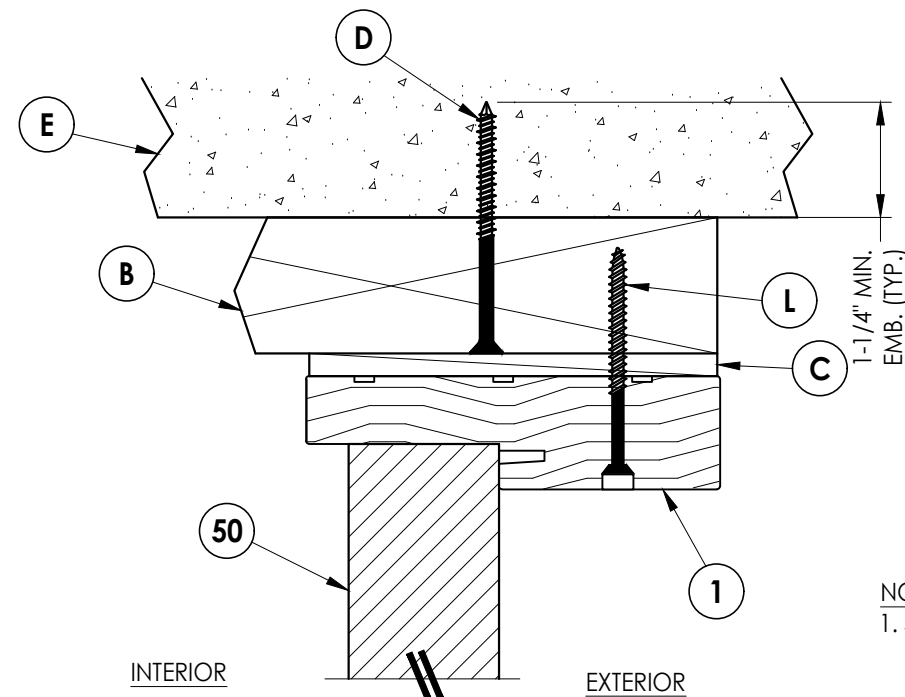
**R<sup>W</sup>**  
BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813



## 1 3 VERTICAL CROSS SECTION Inswing

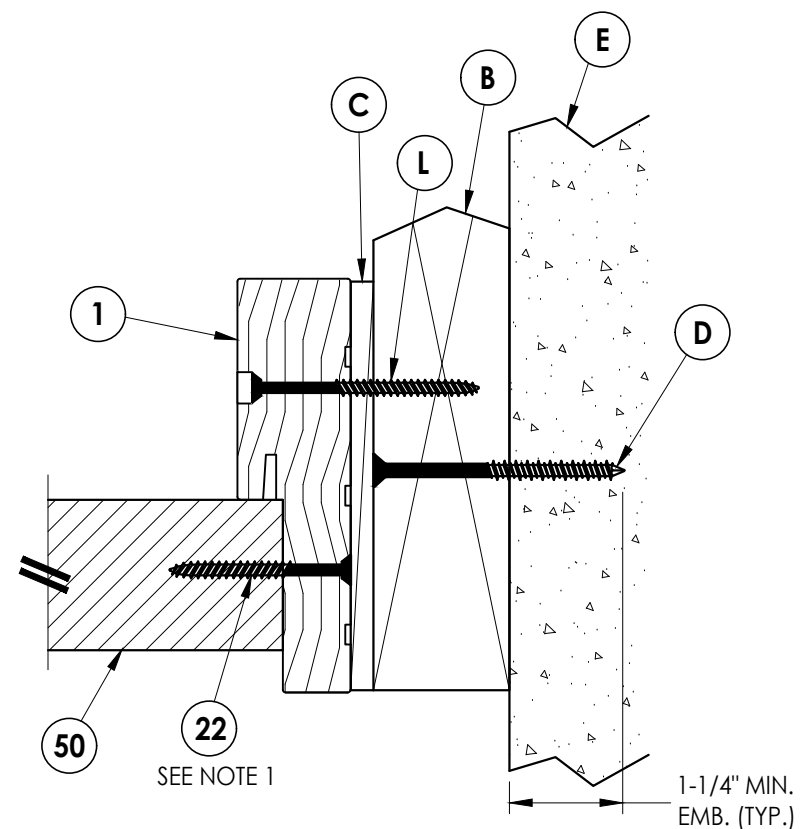


**3 HORIZONTAL CROSS SECTION**  
**3** Inswing



**2 VERTICAL CROSS SECTION**  
**3** Inswing

**NOTE:**  
1. Sidelite assembly screws located 4" from each end plus 4 more equally spaced (6 total).

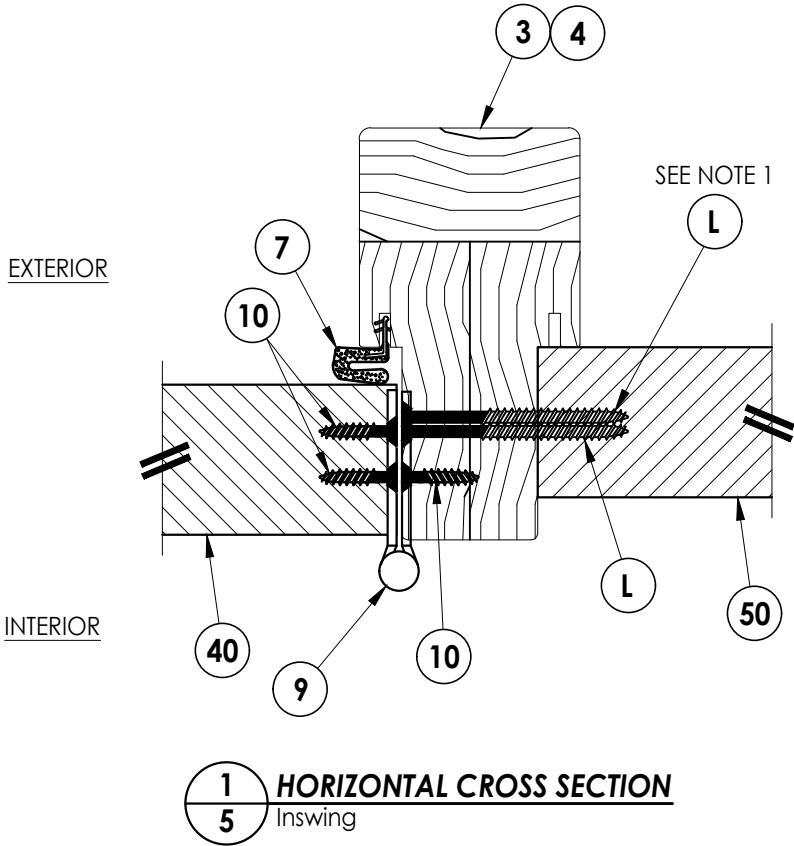


**4** **HORIZONTAL CROSS SECTION**  
**3** Inswing

[illegible]



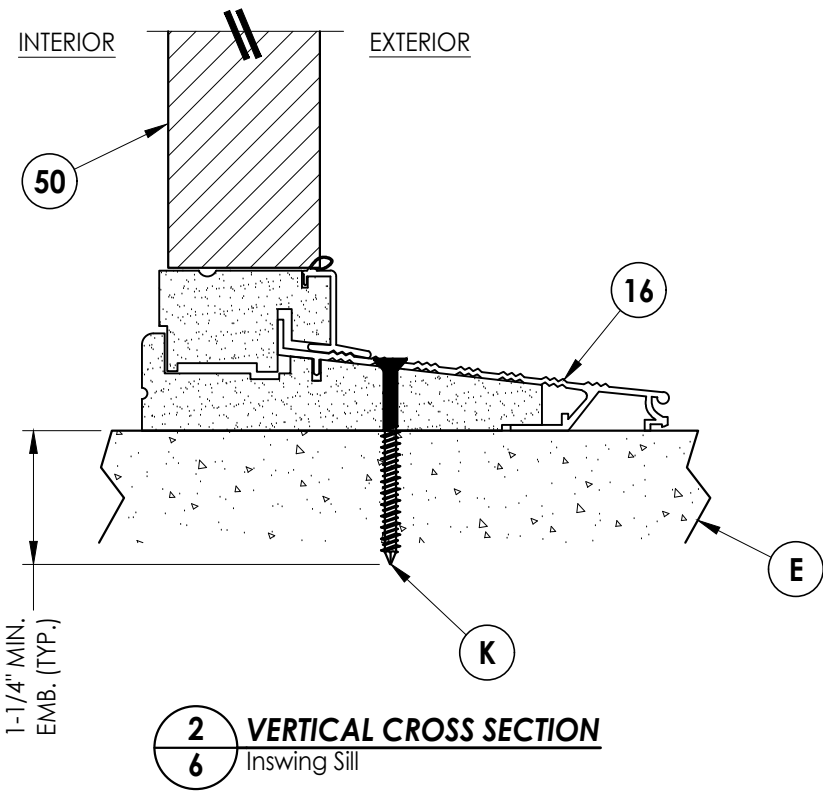
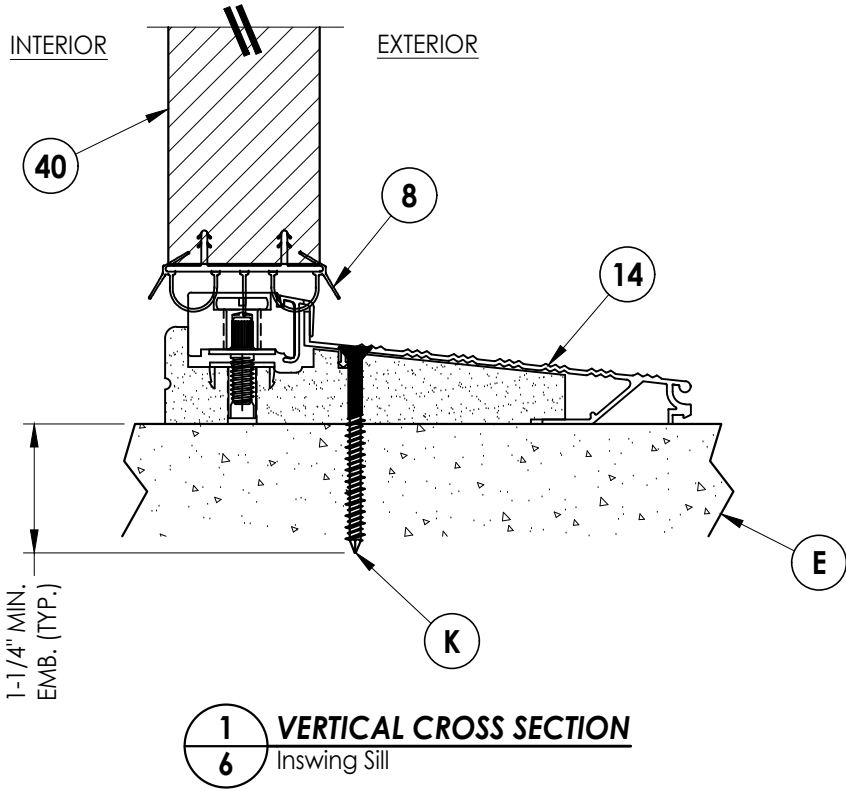
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NOTE:  
1. Sidelite assembly screws located equally spaced between each hinge (2 total).

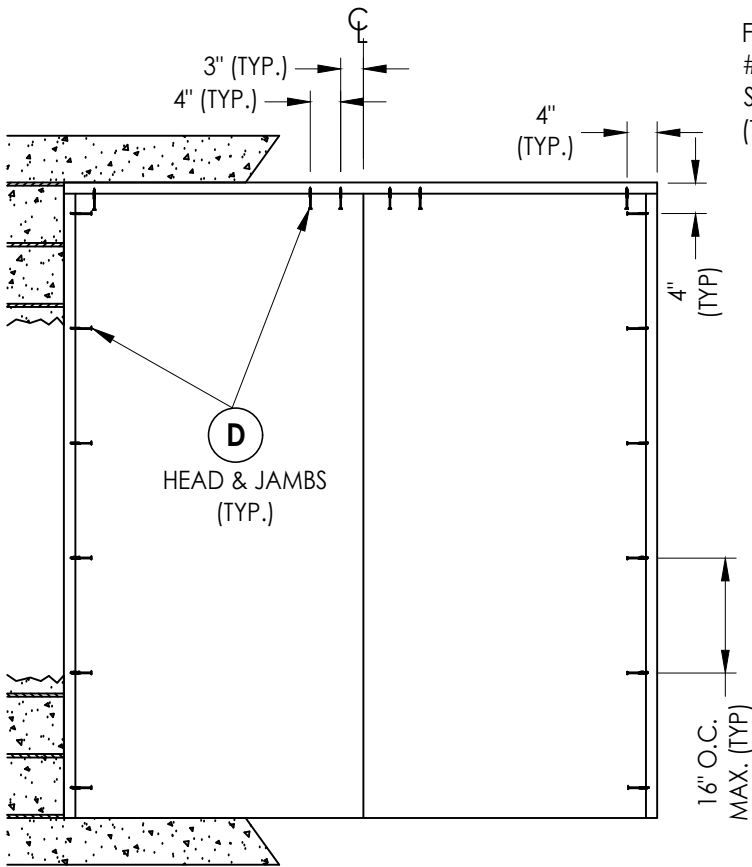
|                            |  |                                                                                                                       |  |
|----------------------------|--|-----------------------------------------------------------------------------------------------------------------------|--|
| DATE: 9/16/25              |  | DOCUMENTS PREPARED BY:<br>Lyndon F. Schmidt<br>P.E. No. 43409                                                         |  |
| SCALE: N.T.S.              |  | RW BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |  |
| DWG. BY: LFS               |  |                                                                                                                       |  |
| CHK. BY: RW                |  | PRODUCT: YOUNG MFG<br>COMPONENTS                                                                                      |  |
| DRAWING NO.:<br>FL-47851.4 |  | PART OR ASSEMBLY:<br>HORIZONTAL CROSS<br>SECTIONS                                                                     |  |
| SHEET 5 OF 8               |  | REVISIONS                                                                                                             |  |
| NO.                        |  | DATE                                                                                                                  |  |
|                            |  | BY                                                                                                                    |  |

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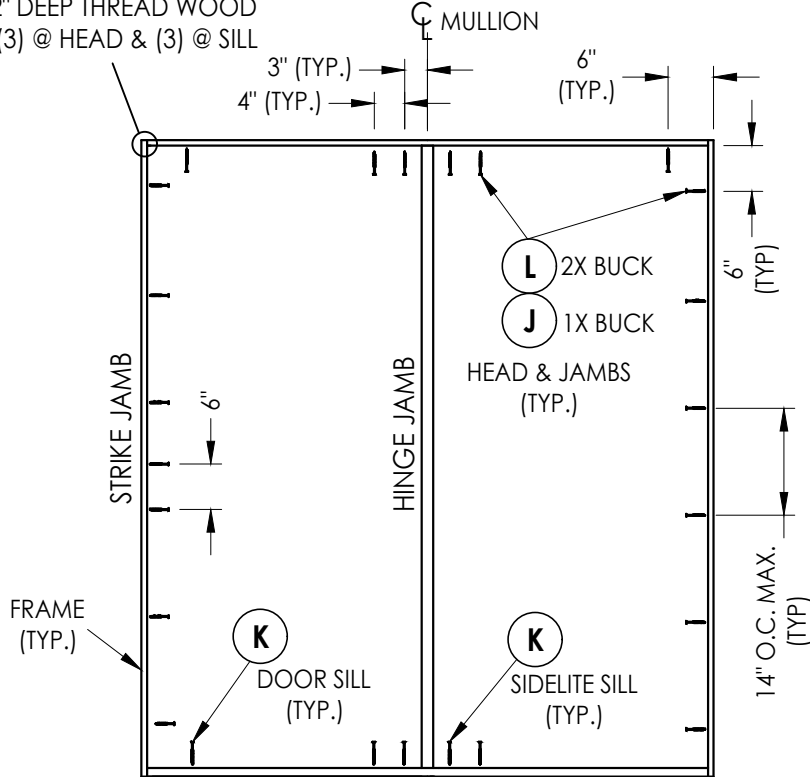
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|----------------------------|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------|
|                            |  |  |  |  |  |  |  |  |  | Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409    |  | <div>RW</div> <div>BUILDING CONSULTANTS, INC.<br/>P.O. Box 230, Valrico, FL 33595<br/>Phone No.: 813.659.9197<br/>FBPE Registry No. 9813</div> |
|                            |  |  |  |  |  |  |  |  |  | PRODUCT:<br><br>YOUNG MFG<br>COMPONENTS                          |  |                                                                                                                                                |
|                            |  |  |  |  |  |  |  |  |  | PART OR ASSEMBLY:<br><br>VERTICAL CROSS<br>SECTIONS (THRESHOLDS) |  |                                                                                                                                                |
|                            |  |  |  |  |  |  |  |  |  | BY                                                               |  |                                                                                                                                                |
|                            |  |  |  |  |  |  |  |  |  | NO. DATE                                                         |  |                                                                                                                                                |
|                            |  |  |  |  |  |  |  |  |  |                                                                  |  | REVISIONS                                                                                                                                      |
|                            |  |  |  |  |  |  |  |  |  |                                                                  |  |                                                                                                                                                |
|                            |  |  |  |  |  |  |  |  |  |                                                                  |  |                                                                                                                                                |
|                            |  |  |  |  |  |  |  |  |  |                                                                  |  |                                                                                                                                                |
|                            |  |  |  |  |  |  |  |  |  |                                                                  |  |                                                                                                                                                |
| DATE: 9/16/25              |  |  |  |  |  |  |  |  |  |                                                                  |  |                                                                                                                                                |
| SCALE: N.T.S.              |  |  |  |  |  |  |  |  |  |                                                                  |  |                                                                                                                                                |
| DWG. BY: LFS               |  |  |  |  |  |  |  |  |  |                                                                  |  |                                                                                                                                                |
| CHK. BY: RW                |  |  |  |  |  |  |  |  |  |                                                                  |  |                                                                                                                                                |
| DRAWING NO.:<br>FL-47851.4 |  |  |  |  |  |  |  |  |  |                                                                  |  |                                                                                                                                                |
| SHEET 6 OF 8               |  |  |  |  |  |  |  |  |  |                                                                  |  |                                                                                                                                                |

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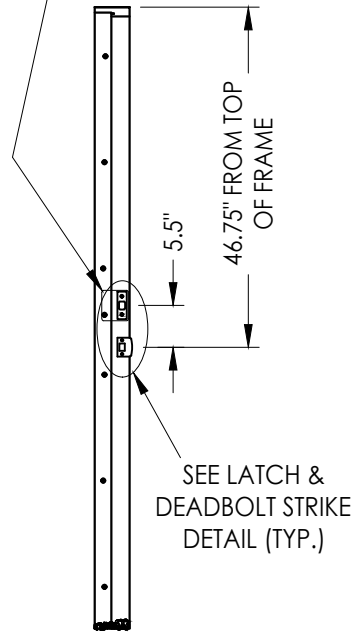
XO/OX  
2X BUCK ANCHORING

FRAME CORNERS ATTACHED w/  
#8 X 2-1/2" DEEP THREAD WOOD  
SCREWS: (3) @ HEAD & (3) @ SILL  
(TYP.)

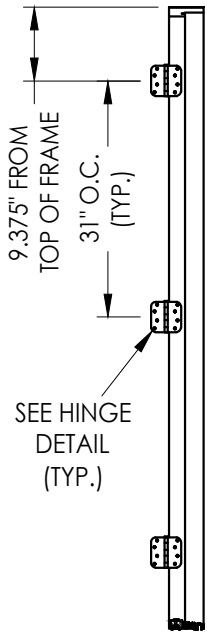


XO, OX  
FRAME ANCHORING

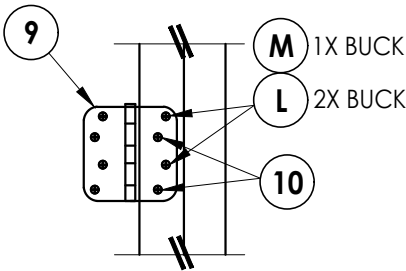
3.5" X 4" 20 GA. STEEL PLATE  
ATTACHED TO BACK OF JAMB  
w/ (4) 1" CROWN X 5/8" LONG  
16 GA. STAPLES



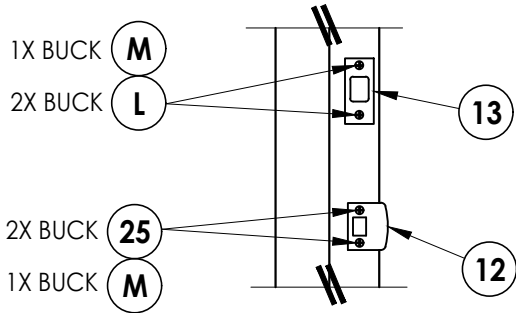
STRIKE JAMB



HINGE JAMB



HINGE DETAIL  
INSWING



STRIKE PLATE DETAIL

NOTE:  
SEE SEPARATE SIDE-HINGED DOOR & SIDELITE  
FLORIDA PRODUCT APPROVAL FOR DOOR & SIDELITE  
CONSTRUCTION DETAILS NOT SHOWN, INCLUDING  
LOCK HARDWARE & HINGE CONNECTIONS.

HARDWARE DETAILS

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

**R<sup>W</sup>** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: YOUNG MFG COMPONENTS  
PART OR ASSEMBLY: BUCK & FRAME ANCHORING (O/X, X/O) & HARDWARE DETAILS

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

DATE: 9/16/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-47851.4

SHEET 7 OF 8

Z:\2023 FBC Drawings\Young MFG\FL-47851\FL-47851.4.dwg

| 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  |
| J                 | 1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     |
| K                 | 1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     |
| L                 | #10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)                                             | STEEL     |
| M                 | 3/16" X 3-1/4" PFH ITW CONCRETE SCREW                                                          | STEEL     |
| 1                 | WOOD JAMB                                                                                      | WOOD      |
| 3                 | INTEGRAL WOOD MULLION                                                                          | WOOD      |
| 4                 | INTEGRAL WOOD MULLION (HIGH PROFILE)                                                           | WOOD      |
| 7                 | WEATHERSTRIP                                                                                   | FOAM      |
| 9                 | 4" X 4" HINGE                                                                                  | STEEL     |
| 10                | #10 X 3/4" PFH SMS                                                                             | STEEL     |
| 12                | LATCH STRIKE PLATE                                                                             | STEEL     |
| 13                | DEADBOLT STRIKE PLATE                                                                          | STEEL     |
| 14                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 16                | INSWING THRESHOLD w/ SIDELITE ADAPTER                                                          | ALUM/COMP |
| 22                | #10 X 2" PFH WOOD SCREW                                                                        | STEEL     |
| 25                | #8 X 2-1/2" PFH WOOD SCREW                                                                     | STEEL     |
| 40                | DOOR PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)                                           | -         |
| 50                | SIDELITE PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)                                       | -         |

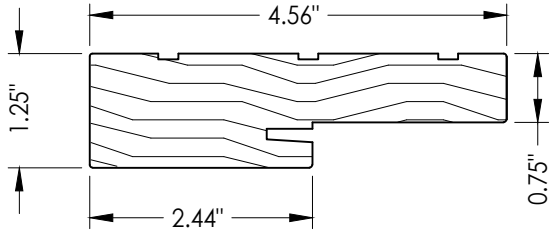
CONCRETE ANCHOR NOTES:

- 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®      | 3/16"       | 1-1/4"         | 3"                             | 1-1/2"                            |
| ITW TAPCON®      | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| DeWALT ULTRACON® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |

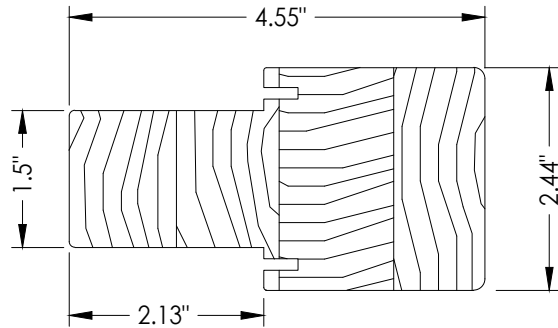
WOOD SCREW INSTALLATION NOTES:

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

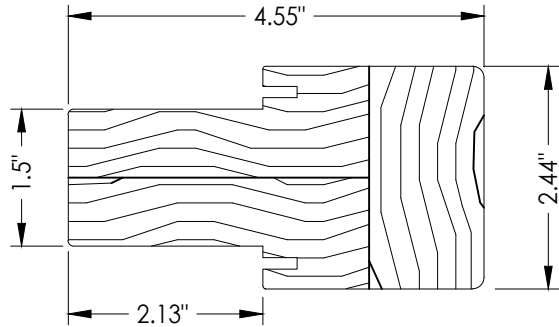


1 **WOOD JAMB (POPLAR)**  
Young Mfg.

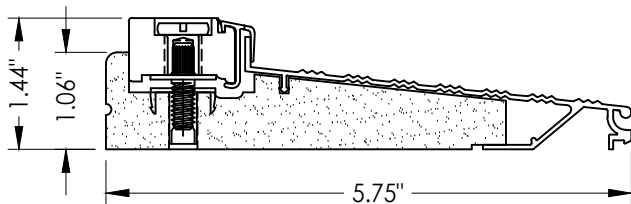
"ARMALAST" OR "PRIMED"  
POPLAR WOOD JAMB/MULLION  
MAY BE UTILIZED



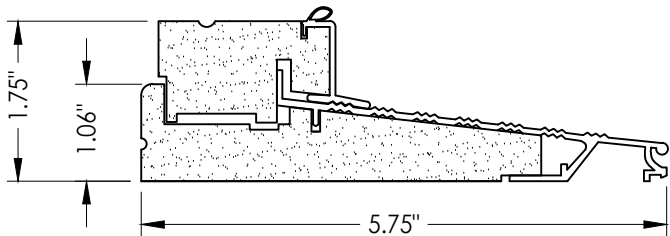
3 **INTEGRAL WOOD MULLION**  
FINGER-JOINT POPLAR  
Young Mfg.



4 **INTEGRAL WOOD MULLION**  
FINGER-JOINT POPLAR (HIGH PROFILE)  
Young Mfg.



14 **INSWING THRESHOLD**  
Young Mfg.



16 **INSWING THRESHOLD w/ SIDELITE ADAPTER**  
Young Mfg.

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:

YOUNG MFG  
COMPONENTS

PART OR ASSEMBLY:

BILL OF MATERIALS  
& COMPONENTS

DATE: 9/16/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-47851.4

SHEET 8 OF 8