



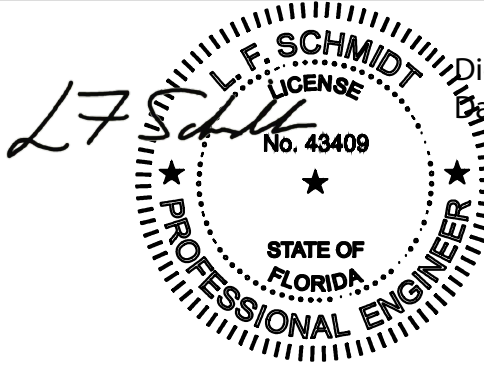
**CLINE ALUMINUM DOORS, INC.**  
112 32nd AVENUE WEST, BRADENTON, FL 34205-8096  
Telephone (800) 648-6736

**SERIES 200BE  
FRP DOUBLE DOOR  
OUTSWING  
"IMPACT"**

GENERAL NOTES

- 1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements 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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996.
- 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.

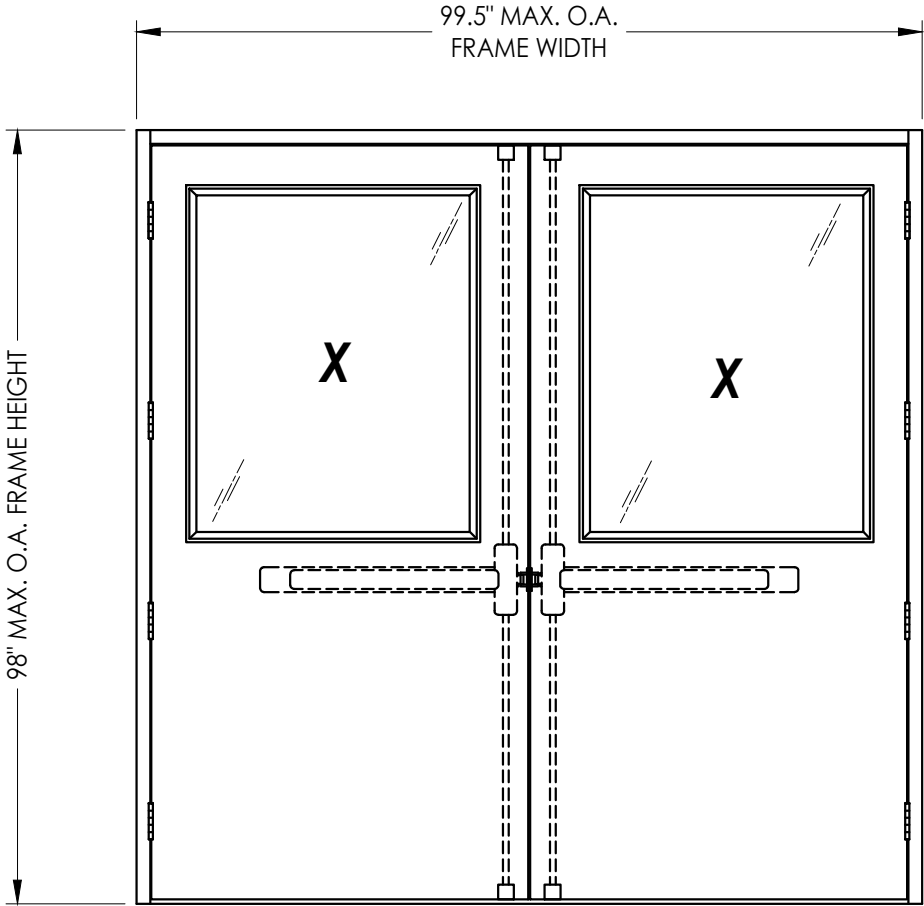
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| 4                 | Vertical cross sections                              |
| 5                 | Buck anchoring                                       |
| 6                 | Frame anchoring                                      |
| 7                 | Buck anchoring                                       |
| 8                 | Frame anchoring                                      |
| 9                 | Bill of materials and components                     |



Digitally signed by Lyndon F Schmidt  
Date: 2026.07.21 15:35:43 -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



**GLAZED DOOR PANEL**  
*Opaque panel also approved*

| LOCK HARDWARE                                               | MAX.<br>FRAME<br>DIMENSION | MAX. DOOR<br>D.L.O.<br>DIMENSION | DESIGN PRESSURE (PSF) |          |
|-------------------------------------------------------------|----------------------------|----------------------------------|-----------------------|----------|
|                                                             |                            |                                  | POSITIVE              | NEGATIVE |
| CORBIN RUSSWIN<br>FE5400S SERIES<br>MULTI-POINT EXIT DEVICE | 76.0" x 88.0"              | 22.63" X 32.63"                  | +90.0                 | -90.0    |
|                                                             | 99.5" x 98.0"              | 34.88" X 44.88"                  | +80.0                 | -80.0    |

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

CLINE DOORS

DATE: 9/5/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-6336.7

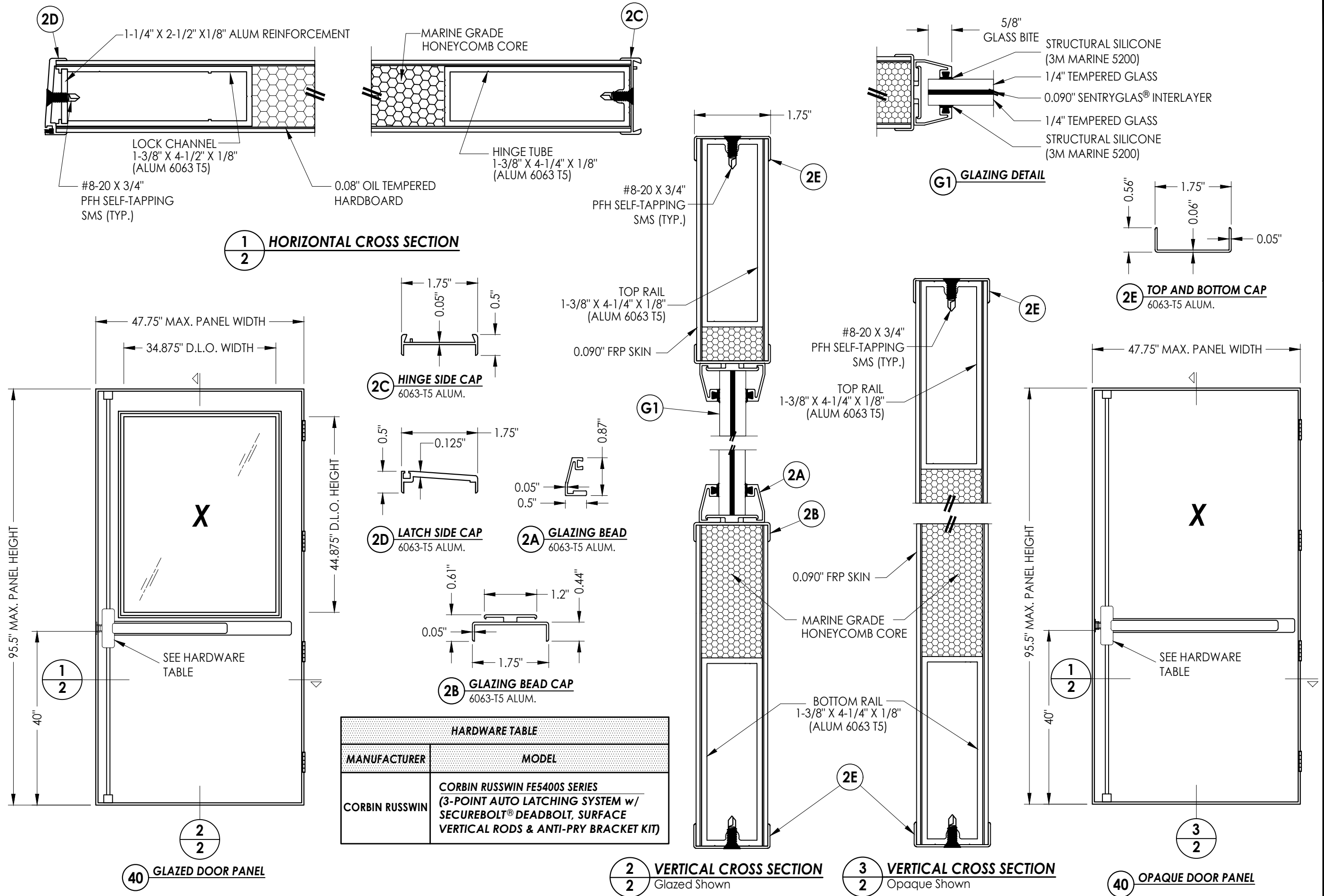
SHEET 1 OF 9

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

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CLINE DOORS

DOOR PANEL DETAILS  
AND GLAZING DETAIL

|     |         |                          |     |     |
|-----|---------|--------------------------|-----|-----|
| 6   | 7/02/26 | UPDATE TO 9TH ED. (2026) | FBC | LFS |
| 5   | 7/05/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS |
| 4   | 8/11/20 | UPDATE TO 7TH ED. (2020) | FBC | DAC |
| NO. | DATE    |                          |     | BY  |

REVISIONS

DATE: 9/5/13

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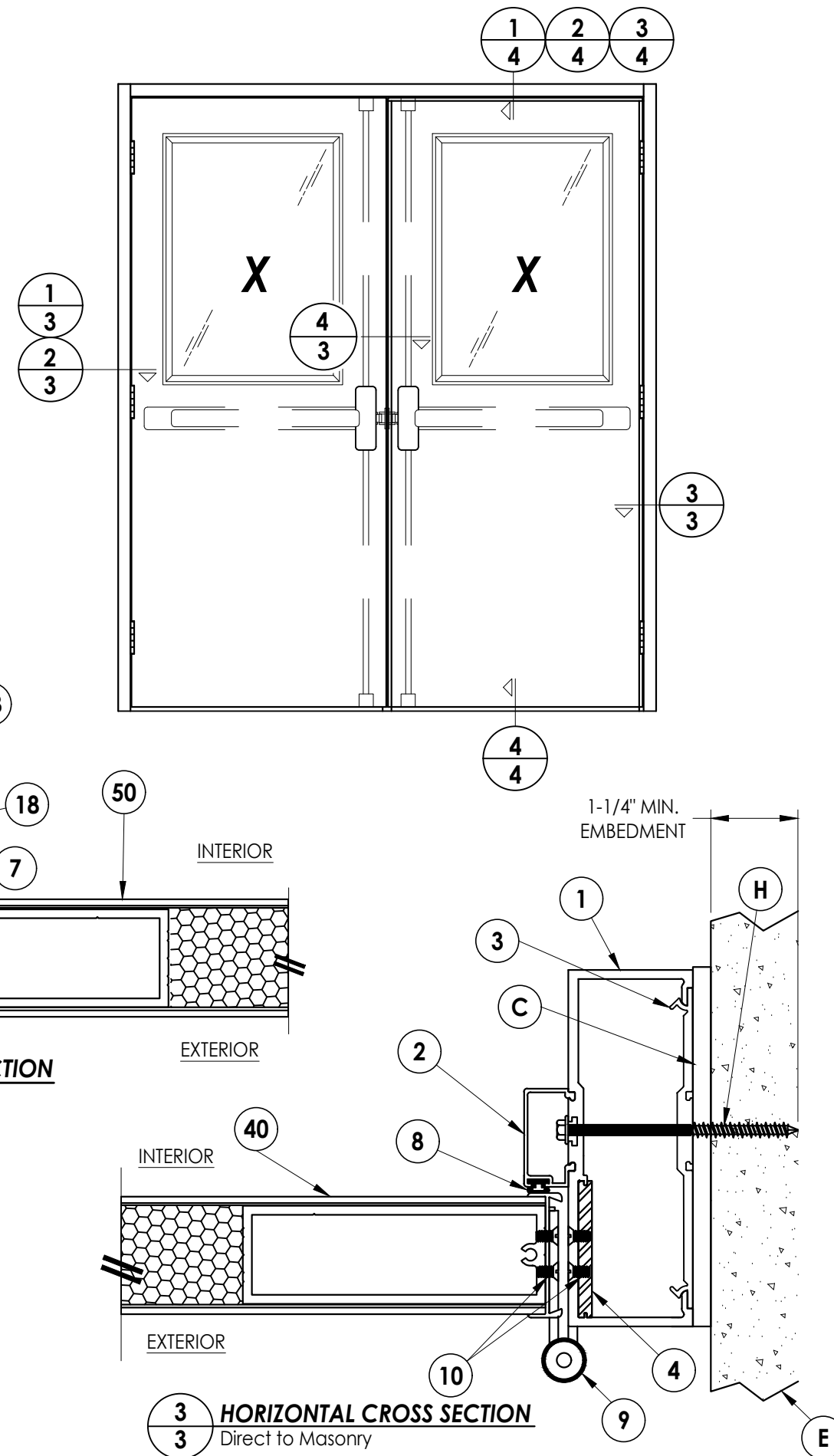
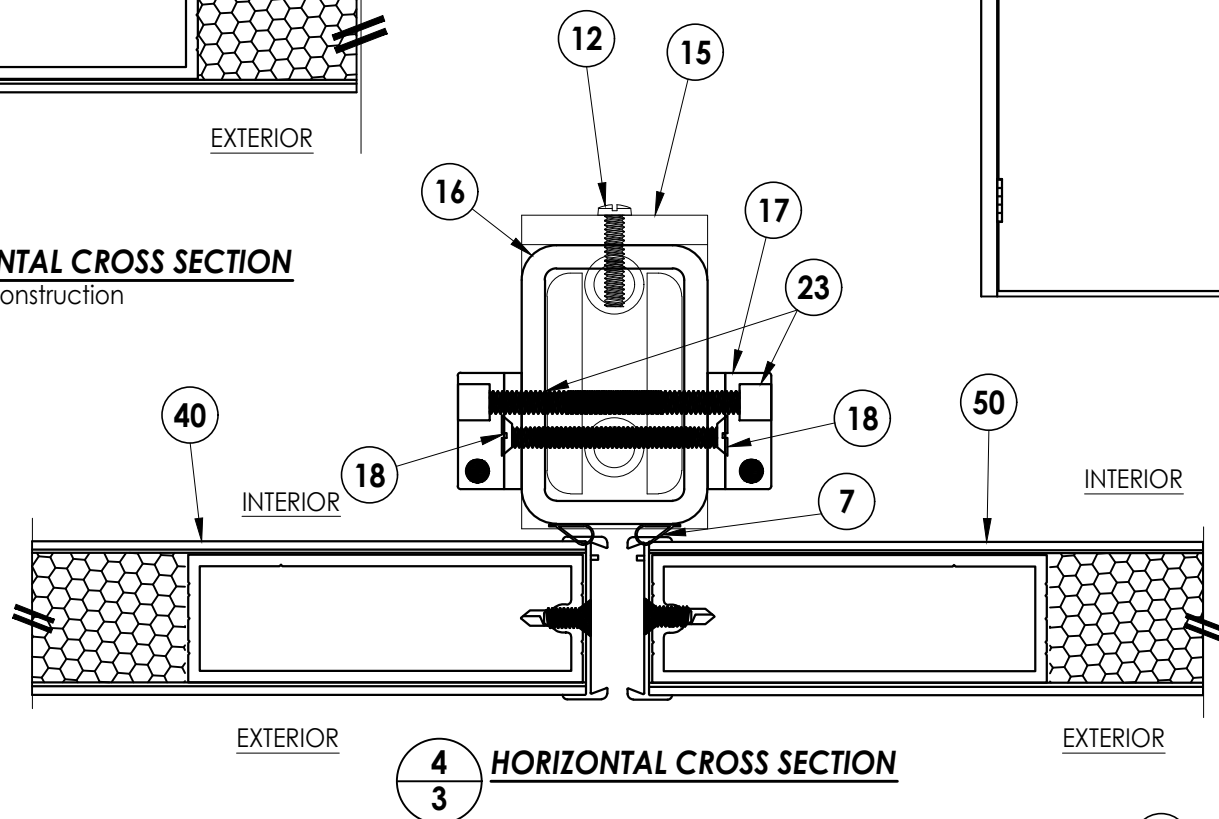
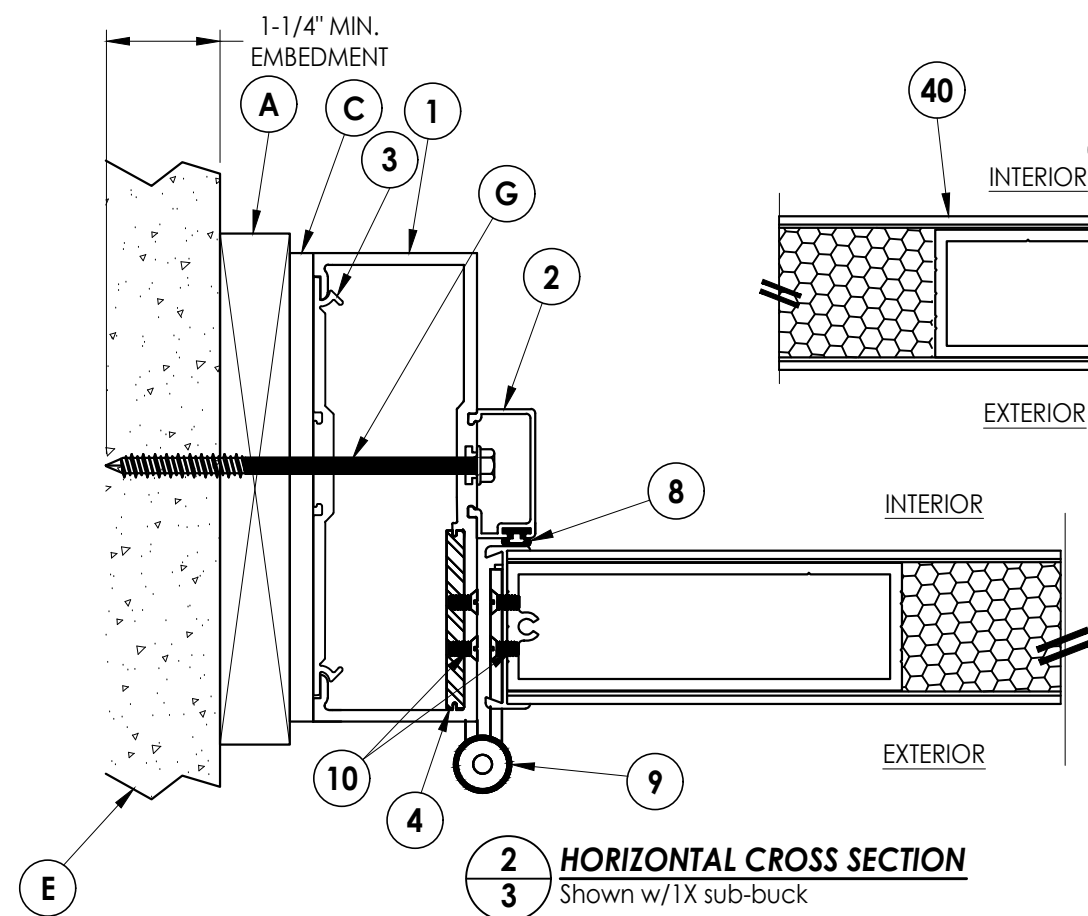
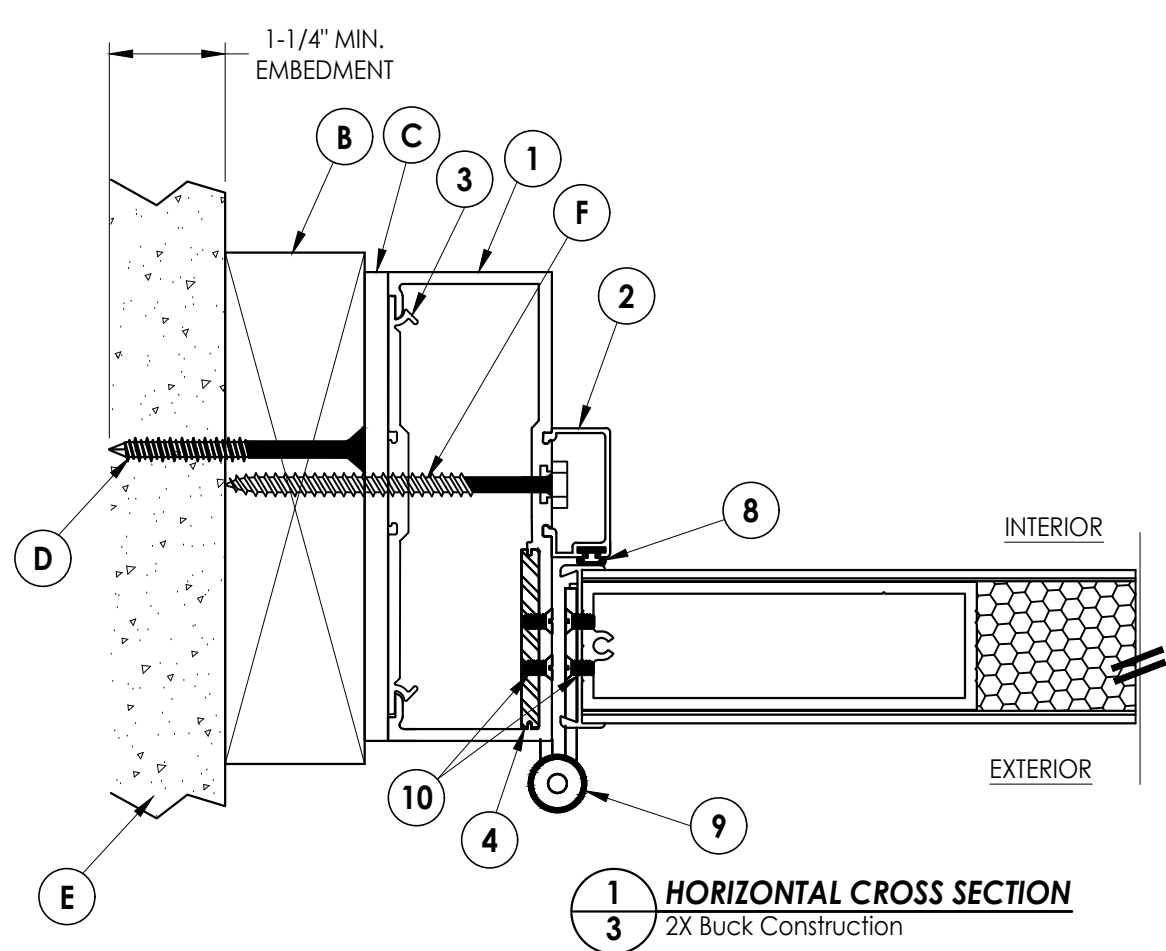
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SHEET 2 OF 9

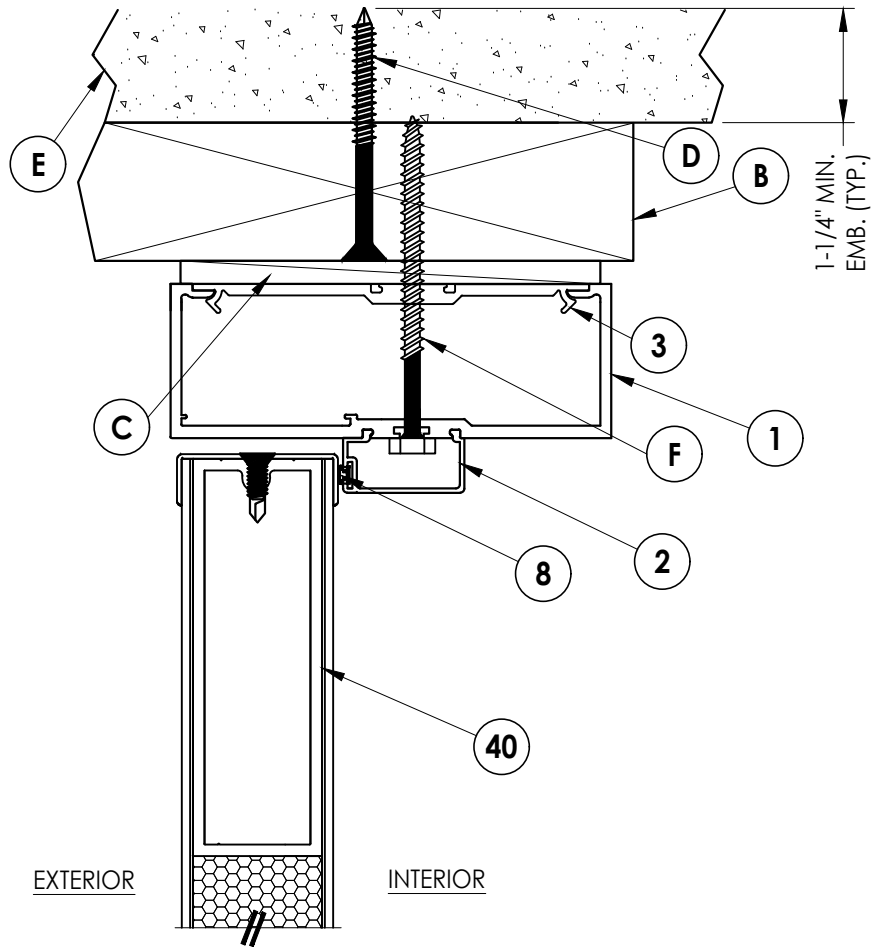
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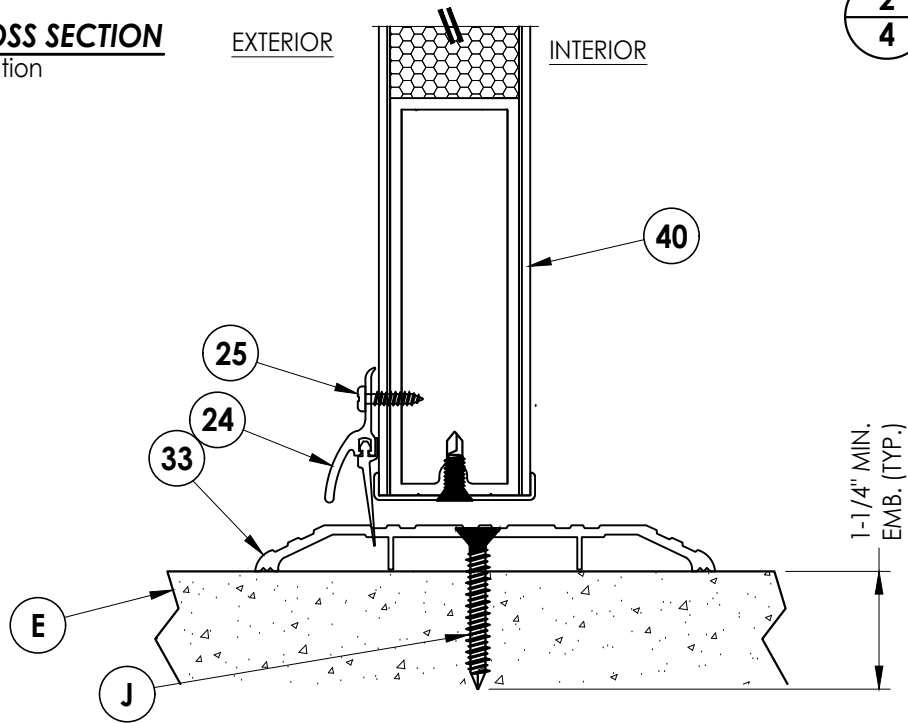


|                                                                                                 |         |                                                                                                                                                                |           |
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| <p><b>Documents Prepared By:</b><br/>         Lyndon F. Schmidt<br/>         P.E. No. 43409</p> |         | <p><b>BUILDING CONSULTANTS, INC.</b><br/>         P.O. Box 230, Valrico, FL 33595<br/>         Phone No.: 813.659.9197<br/>         FBPE Registry No. 9813</p> |           |
| <p><b>PRODUCT:</b><br/>         CLINE DOORS</p>                                                 |         | <p><b>PART OR ASSEMBLY:</b><br/>         HORIZONTAL CROSS SECTIONS</p>                                                                                         |           |
|                                                                                                 |         |                                                                                                                                                                |           |
|                                                                                                 |         |                                                                                                                                                                |           |
|                                                                                                 |         |                                                                                                                                                                |           |
| 6                                                                                               | 7/02/26 | UPDATE TO 9TH ED. (2026)                                                                                                                                       | FBC LFS   |
| 5                                                                                               | 7/05/23 | UPDATE TO 8TH ED. (2023)                                                                                                                                       | FBC LFS   |
| 4                                                                                               | 8/11/20 | UPDATE TO 7TH ED. (2020)                                                                                                                                       | FBC DAC   |
| NO.                                                                                             | DATE    |                                                                                                                                                                | BY        |
|                                                                                                 |         |                                                                                                                                                                | REVISIONS |
| DATE: 9/5/13                                                                                    |         |                                                                                                                                                                |           |
| SCALE: N.T.S.                                                                                   |         |                                                                                                                                                                |           |
| DWG. BY: JK                                                                                     |         |                                                                                                                                                                |           |
| CHK. BY: LFS                                                                                    |         |                                                                                                                                                                |           |
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| SHEET 3 OF 9                                                                                    |         |                                                                                                                                                                |           |

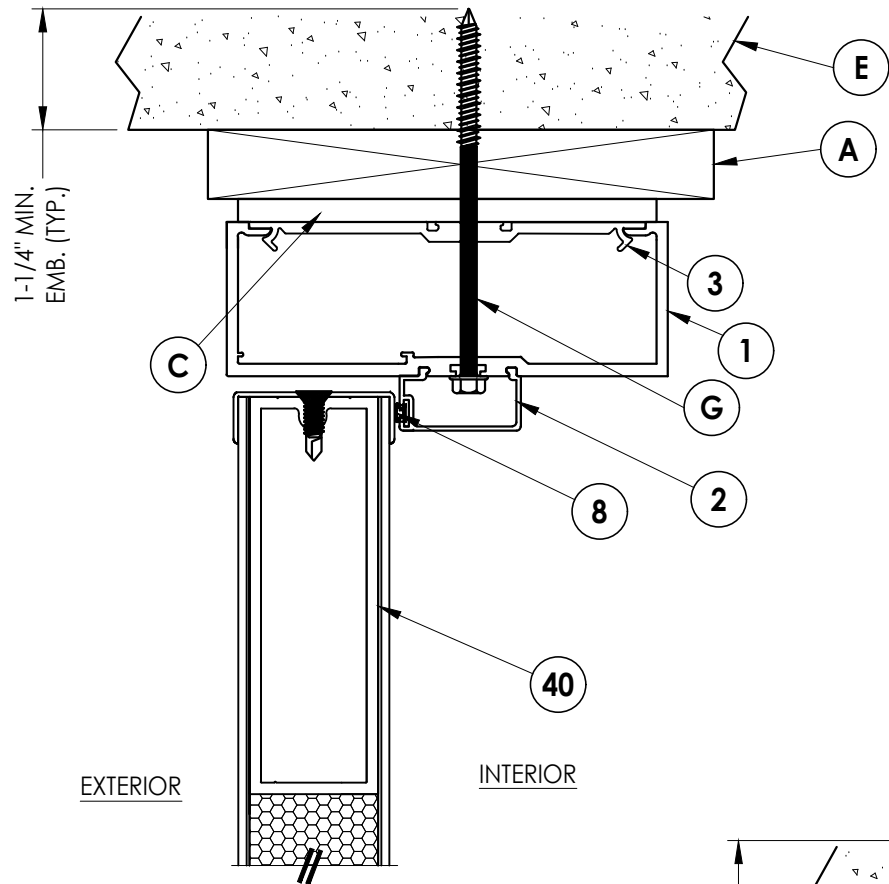
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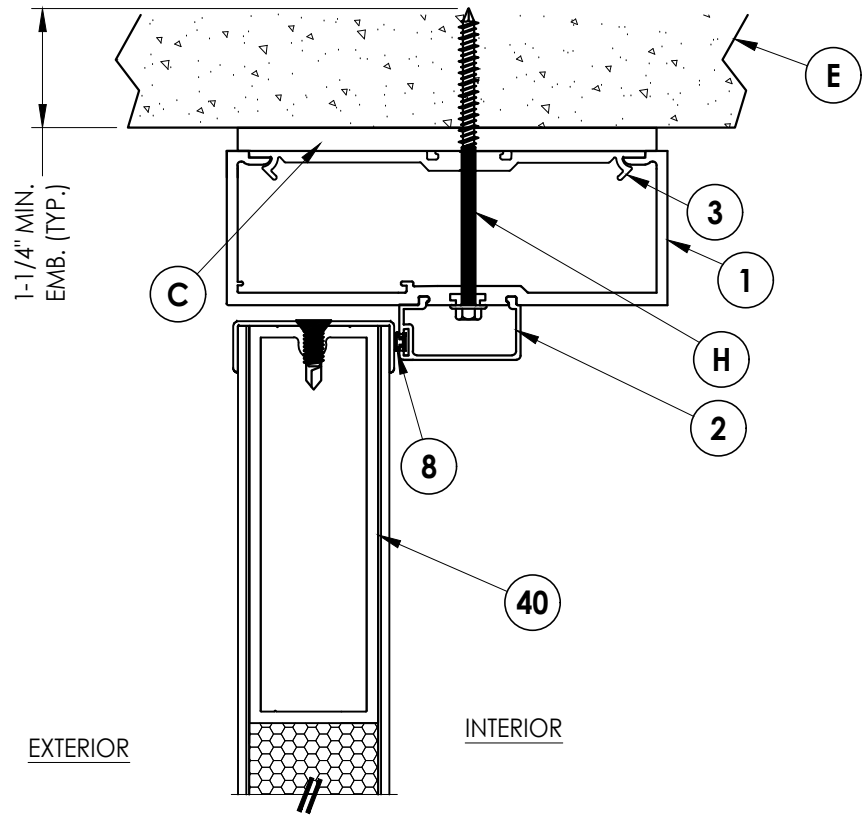
**1**  
**4** **VERTICAL CROSS SECTION**  
2X Buck Construction



**4**  
**4** **VERTICAL CROSS SECTION**



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



**3**  
**4** **VERTICAL CROSS SECTION**  
Direct to Masonry

Documents Prepared By:  
Lyndon F. Schmidt  
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: CLINE DOORS

PART OR ASSEMBLY:  
VERTICAL CROSS SECTIONS

| NO. | DATE    | REVISIONS                    | BY  |
|-----|---------|------------------------------|-----|
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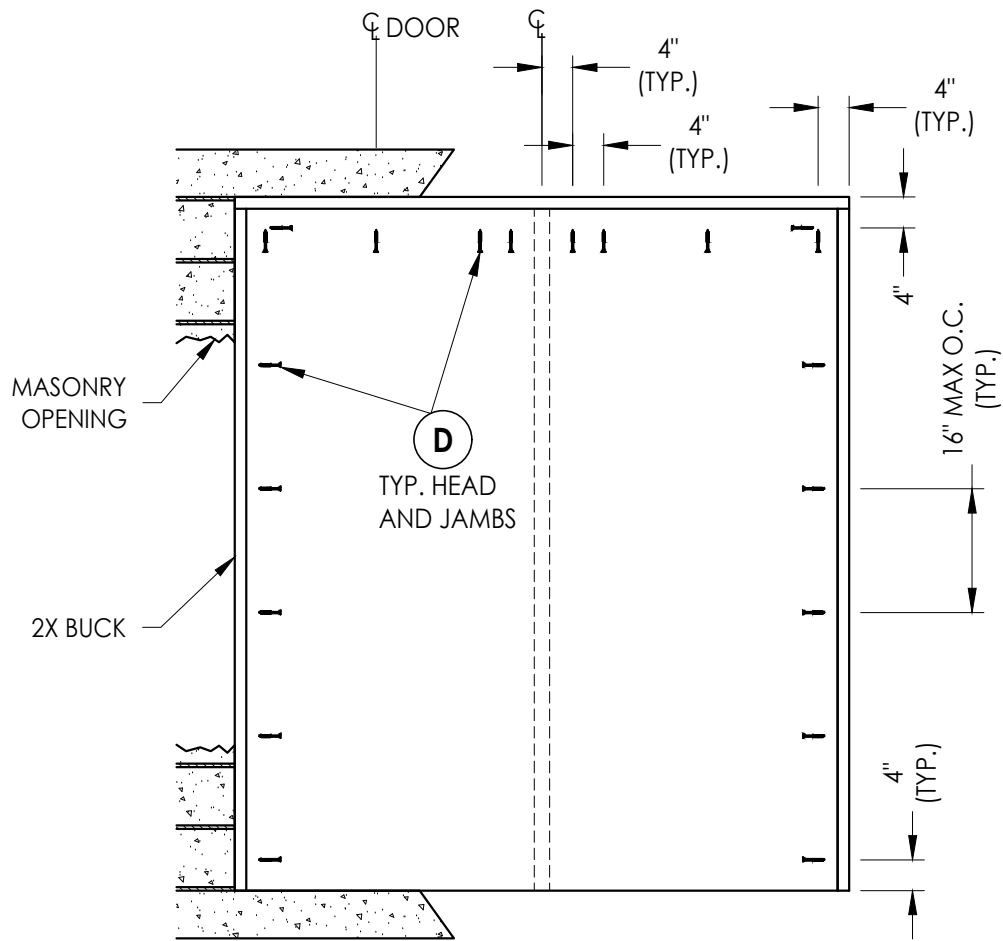
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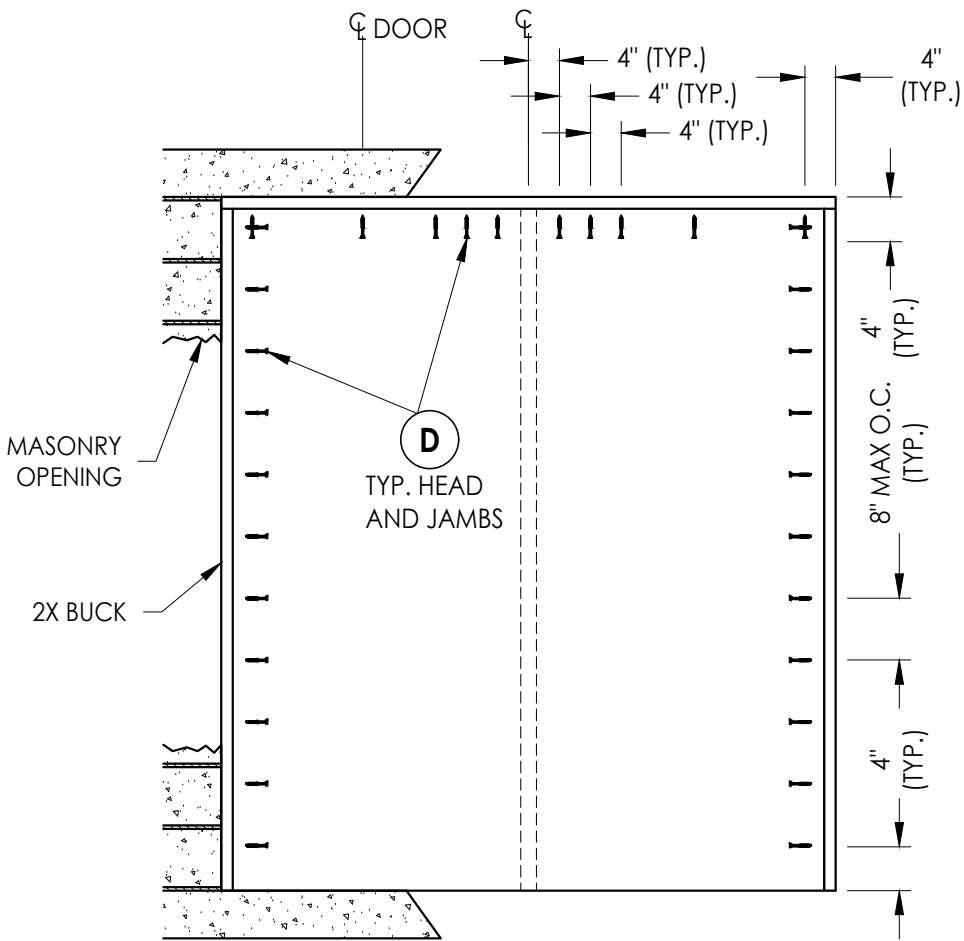
FL-6336.7

SHEET 4 OF 9

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**BUCK ANCHORING**  
Max. D.P. <= 55 PSF



**BUCK ANCHORING**  
Max. D.P. <= 90 PSF

MAX. FRAME DIMENSION 76" X 88.0"

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 BUILDEX TAPCON® | 1/4"        | 1-1/4"         | 2-1/2"                         | 4"                                |
| DeWALT ULTRACON®    | 1/4"        | 1-1/4"         | 2-1/2"                         | 4"                                |

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PRODUCT:  
CLINE DOORS

PART OR ASSEMBLY:  
BUCK ANCHORING

| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
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| 5   | 7/05/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 4   | 8/11/20 | UPDATE TO 7TH ED. (2020) FBC DAC |

DATE: 9/5/13

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DWG. BY: JK

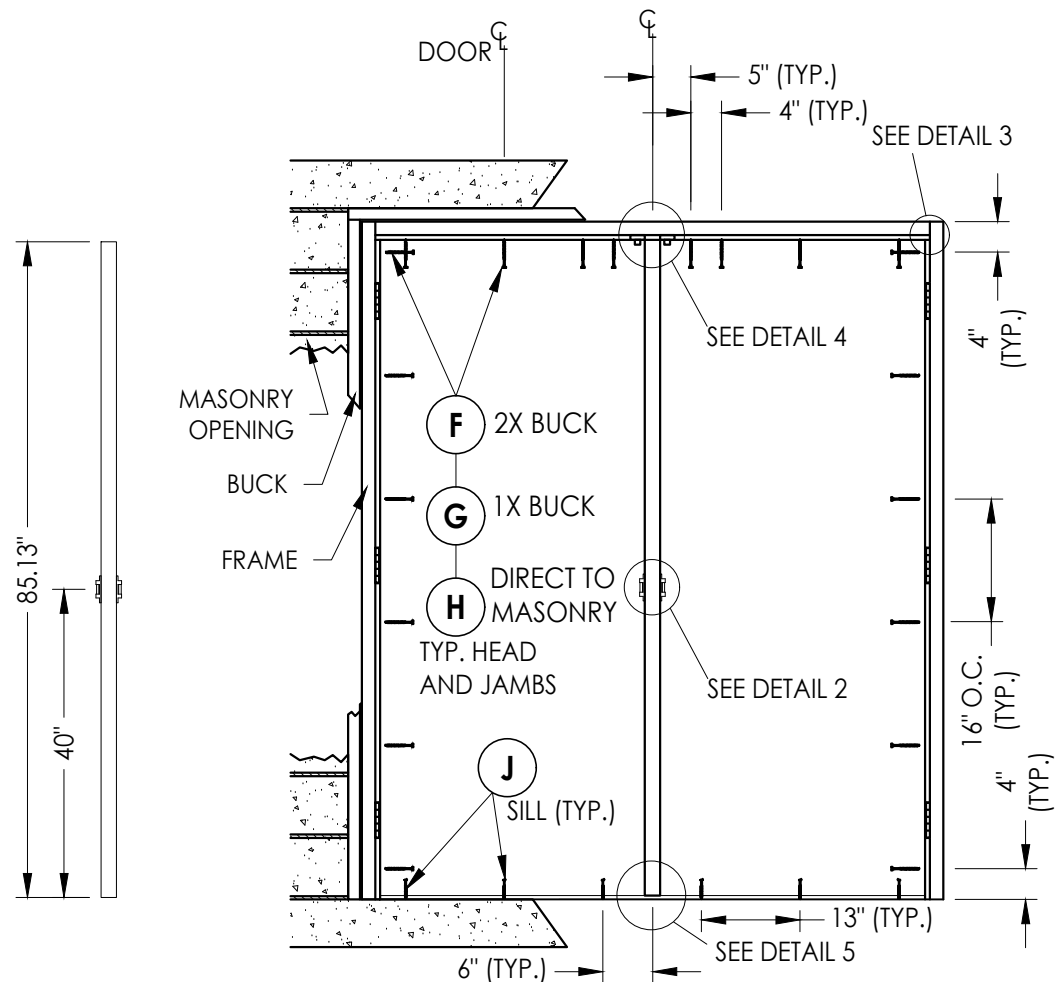
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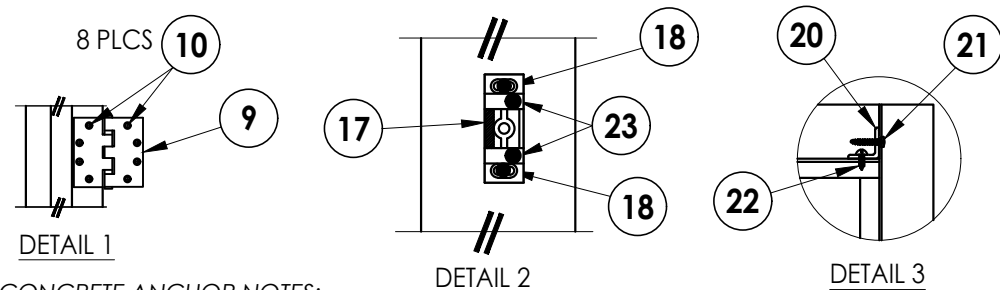
SHEET 5 OF 9

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**LATCH MULLION**

**FRAME ANCHORING**  
Max. D.P. <= 55 PSF



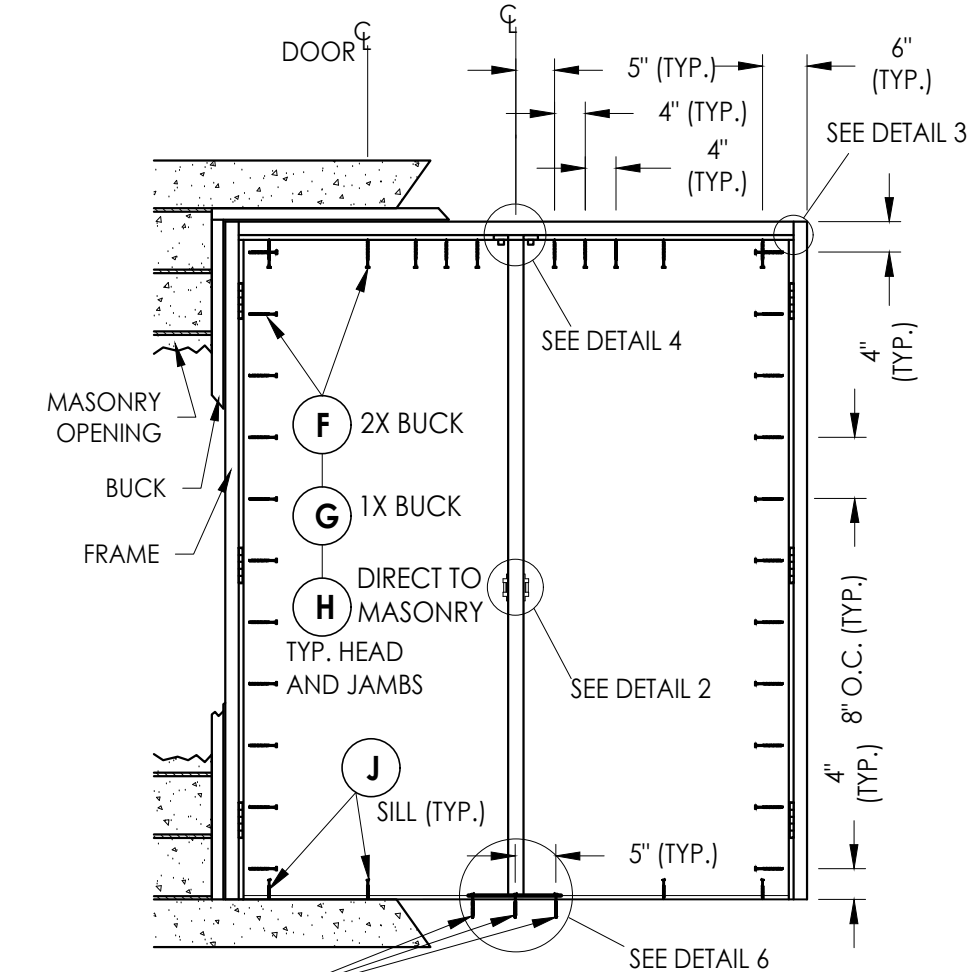
**CONCRETE ANCHOR NOTES:**

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
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| DeWALT ULTRACON+®   | 1/4"        | 1-1/4"         | 2-1/2"                         | 4"                                |
| ULTRACON®           | 3/16"       | 1-3/4"         | 2-1/2"                         | 1-3/4"                            |
| ULTRACON®           | 5/16"       | 1-3/4"         | 2-1/2"                         | 5"                                |

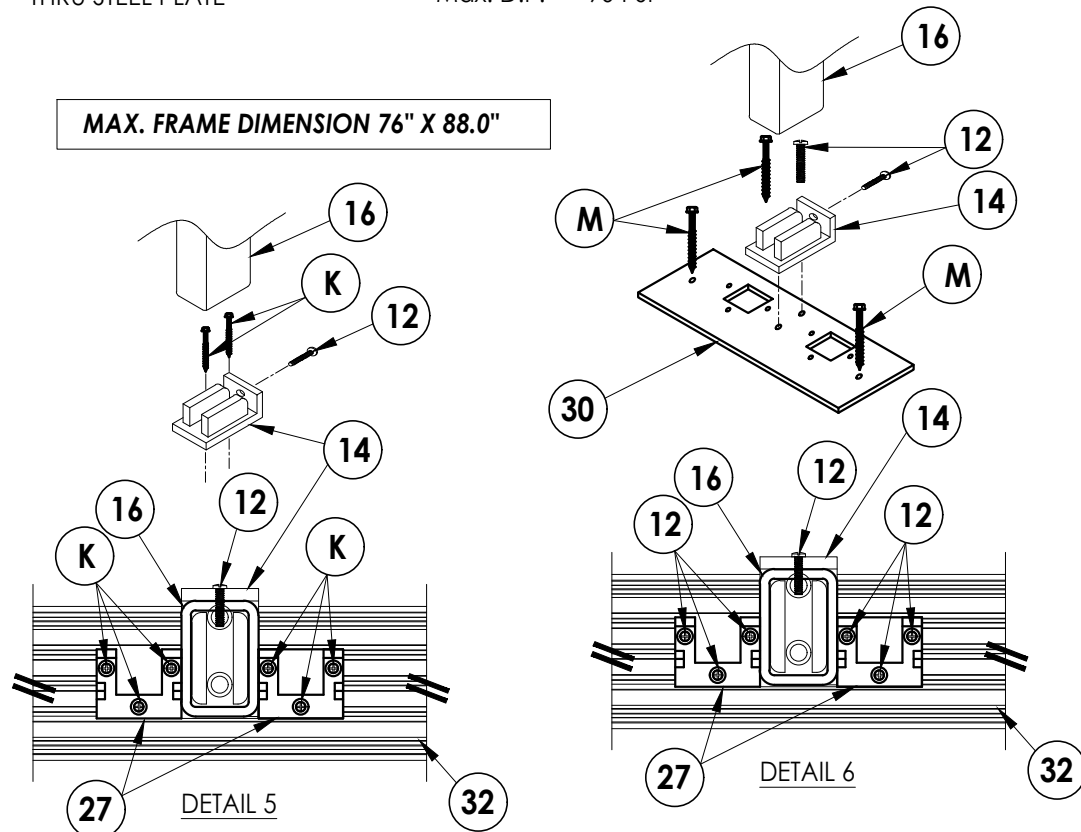
**WOOD SCREW INSTALLATION NOTES:**

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

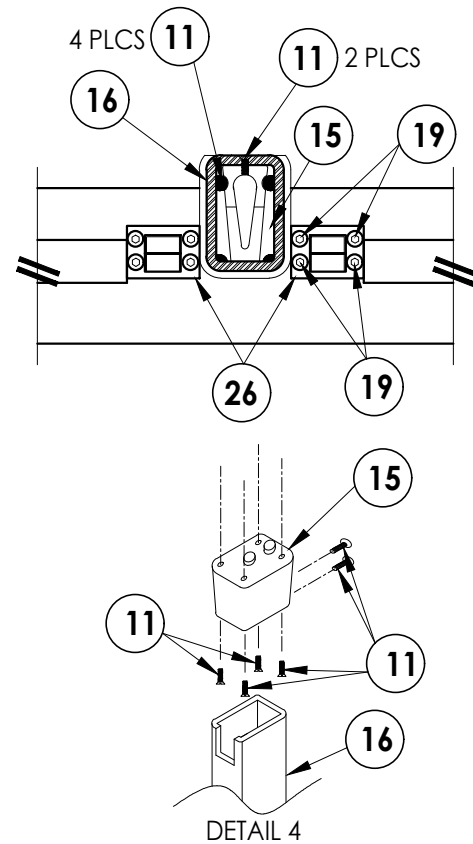
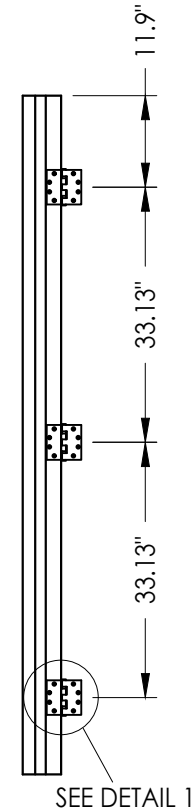


**SILL ANCHORS THRU STEEL PLATE**

**FRAME ANCHORING**  
Max. D.P. <= 90 PSF



**HINGE JAMB**



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P.E. No. 43409

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FBPE Registry No. 9813

PRODUCT:  
CLINE DOORS

PART OR ASSEMBLY:  
FRAME ANCHORING

| NO. | DATE    | REVISIONS                        |
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| 6   | 7/02/26 | UPDATE TO 9TH ED. (2026) FBC LFS |
| 5   | 7/05/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
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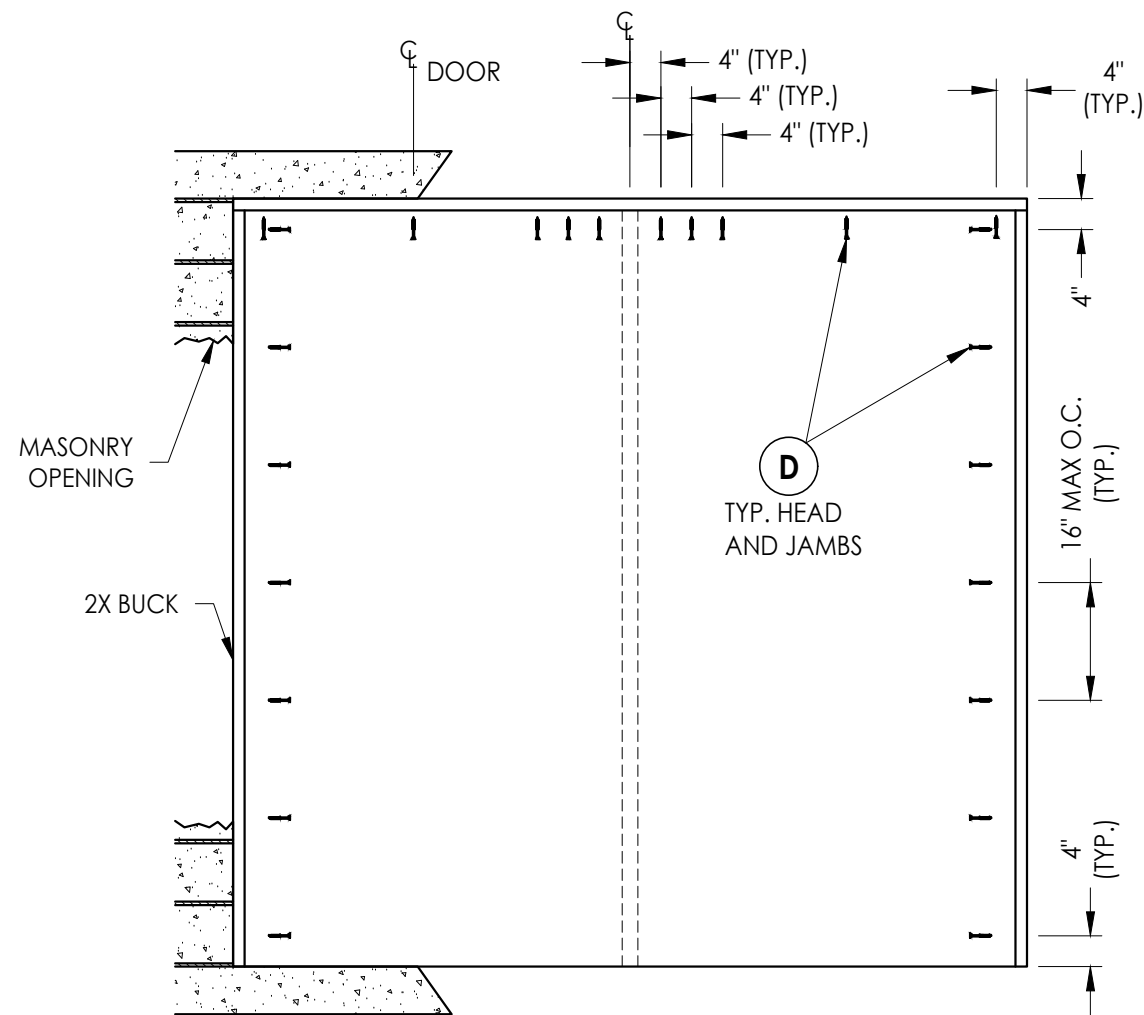
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DWG. BY: JK

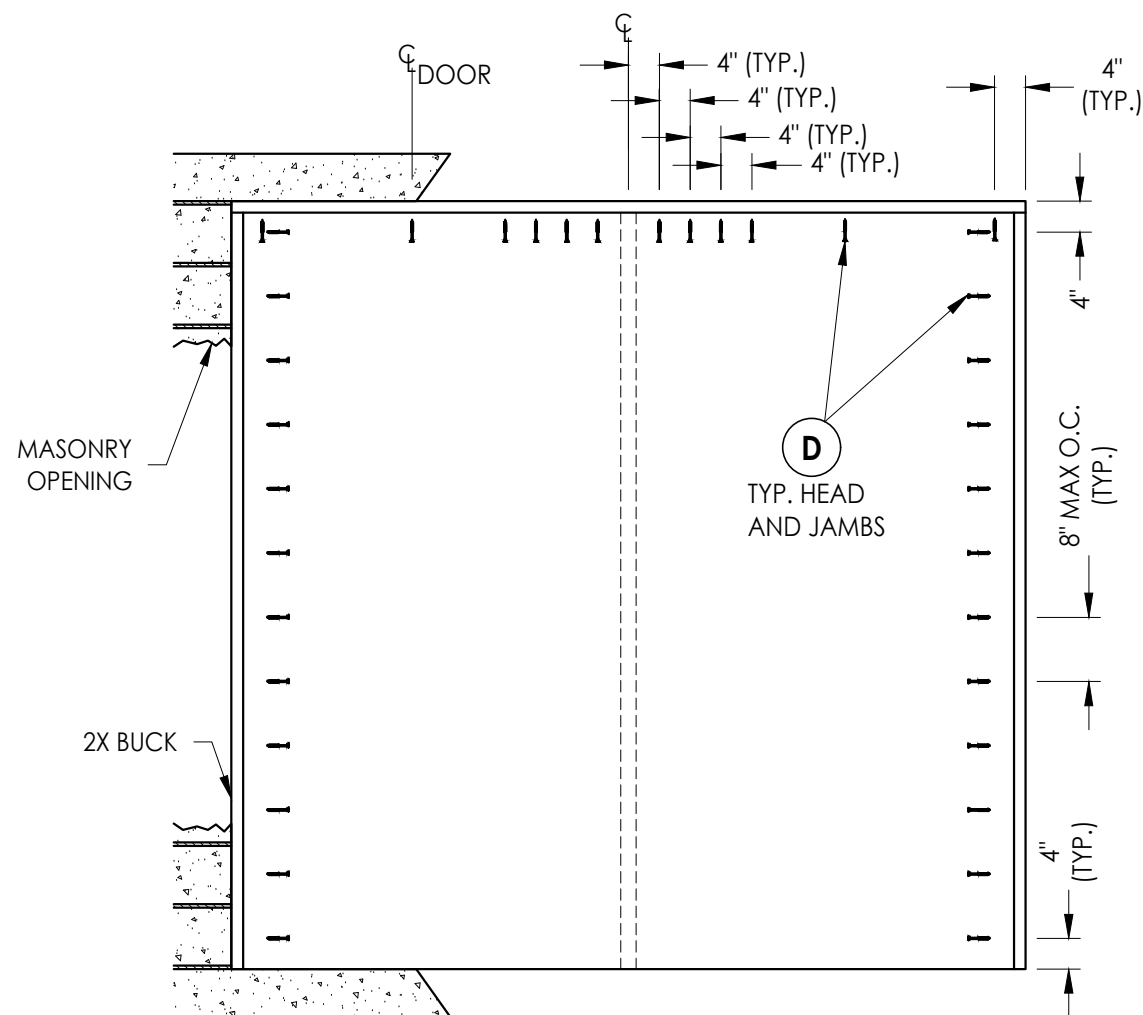
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SHEET 6 OF 9



**BUCK ANCHORING**  
Max. D.P. <= 50 PSF



**BUCK ANCHORING**  
Max. D.P. <= 80 PSF

**MAX. FRAME DIMENSION 99.5" X 98.0"**

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 BUILDEX TAPCON® | 1/4"        | 1-1/4"         | 2-1/2"                         | 4"                                |
| DeWALT® ULTRACON+   | 1/4"        | 1-1/4"         | 2-1/2"                         | 4"                                |

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

**R<sup>W</sup>** BUILDING CONSULTANTS, INC.  
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CLINE DOORS

**ASSEMBLY:**  
**BUCK ANCHORING**

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DATE: 9/5/13

SCALE: N.T.S.

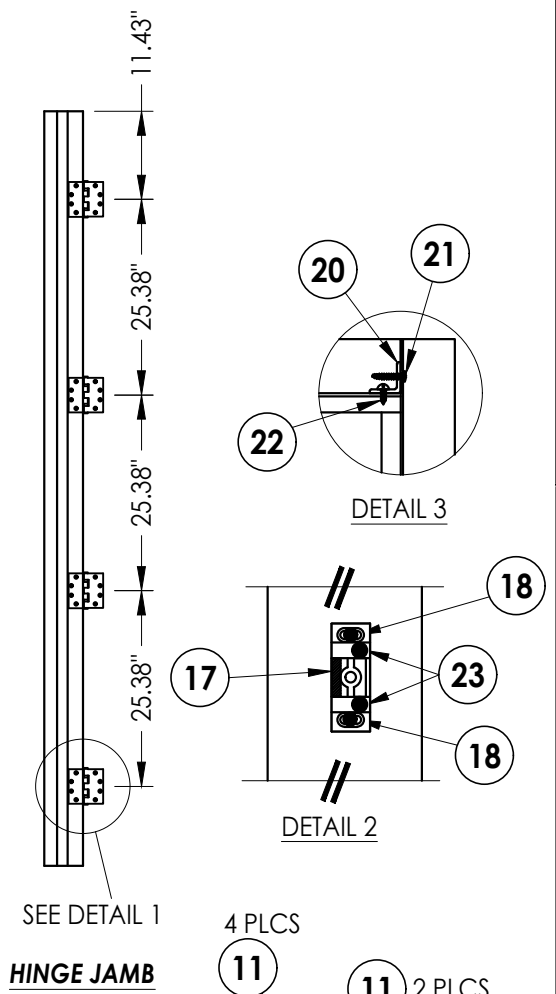
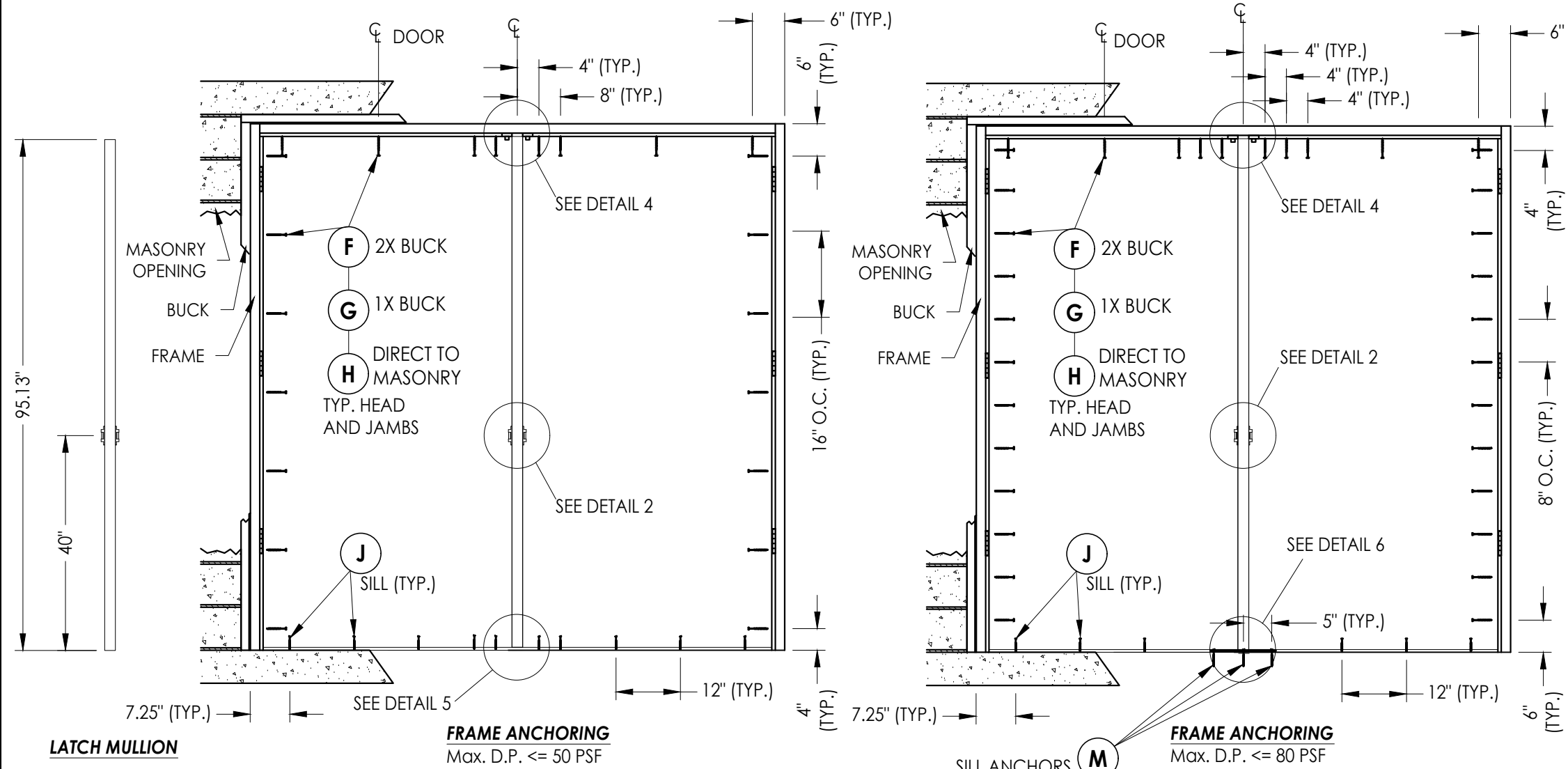
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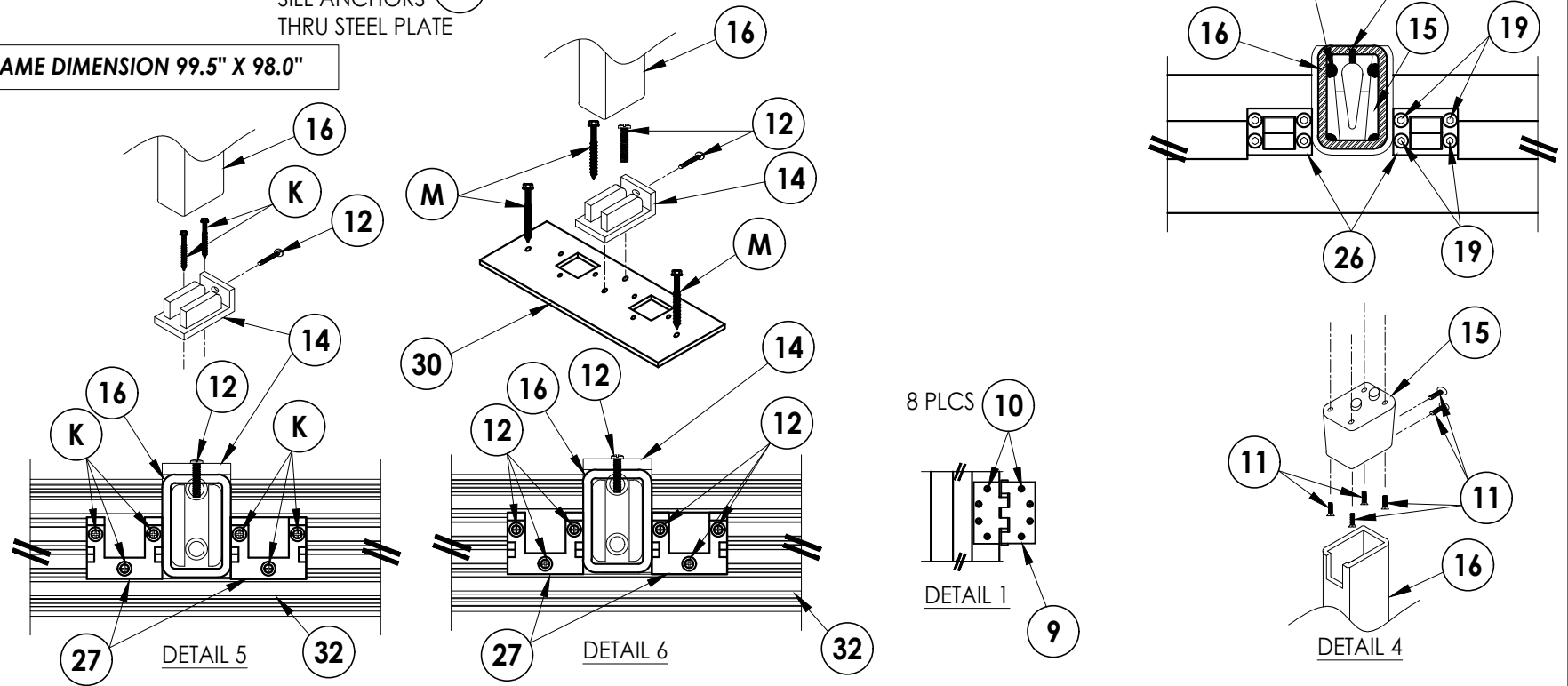
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| ULTRACON®           | 5/16"       | 1-3/4"         | 2-1/2"                         | 5"                                |

- 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.



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**CLINE DOORS**

**FRAME ANCHORING**

DATE: 9/5/13

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SHEET 8 OF 9

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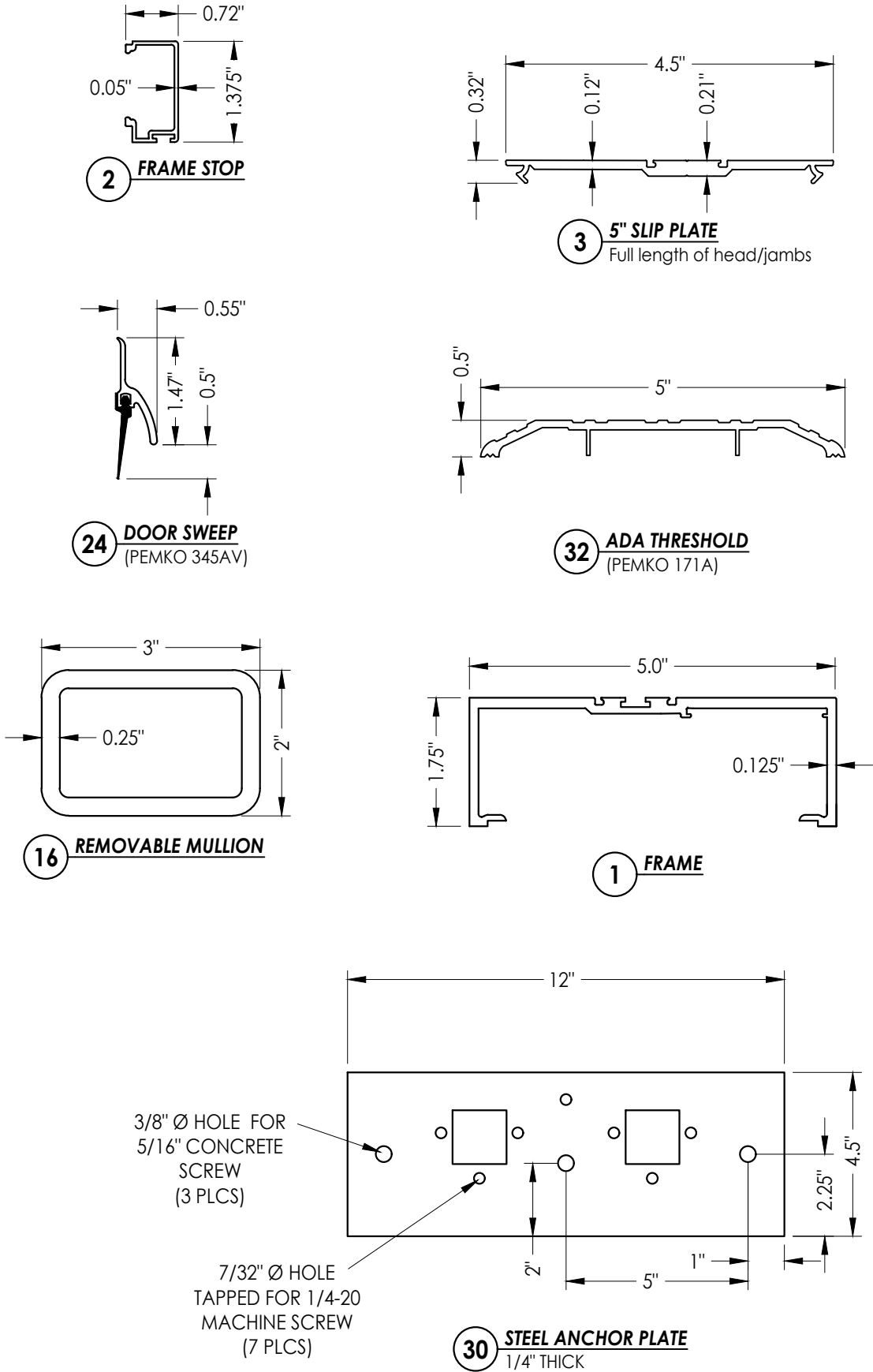
| NO. | DATE    | BY                       | DESCRIPTION |
|-----|---------|--------------------------|-------------|
| 6   | 7/02/26 | UPDATE TO 9TH ED. (2026) | FBC         |
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| BILL OF MATERIALS |                                                                                                |              |
|-------------------|------------------------------------------------------------------------------------------------|--------------|
| ITEM #            | DESCRIPTION                                                                                    | MATERIAL     |
| A                 | 1X BUCK SG >= 0.55                                                                             | WOOD         |
| B                 | 2X BUCK SG >= 0.55                                                                             | 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 3-1/2" HH LAG SCREW (1.5" MIN. EMBEDMENT)                                               | STEEL        |
| G                 | 1/4" X 4" HWH DeWALT OR ITW CONCRETE SCREW                                                     | STEEL        |
| H                 | 1/4" x 3-1/4" HWH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL        |
| J                 | 1/4" x 1-3/4" HWH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL        |
| K                 | 3/16" x 2-1/4" PFH DeWALT CONCRETE SCREW                                                       | STEEL        |
| M                 | 5/16" x 2-1/4" HWH DeWALT CONCRETE SCREW                                                       | STEEL        |
| 1                 | FRAME                                                                                          | ALUM 6063 T5 |
| 2                 | FRAME STOP                                                                                     | ALUM 6063 T5 |
| 3                 | 5" SLIP PLATE                                                                                  | ALUM 6063 T5 |
| 4                 | HINGE REINFORCEMENT                                                                            | ALUM         |
| 7                 | WEATHERSTRIP                                                                                   | PVC          |
| 8                 | WOOL PILE WEATHERSTRIP                                                                         | -            |
| 9                 | 4-1/2" X 4-1/2" HINGE                                                                          | STEEL        |
| 10                | 1/4 - 20 x 1/2" PFH MACHINE SCREW                                                              | STEEL        |
| 11                | 1/4 - 20 x 5/8" PFH MACHINE SCREW                                                              | STEEL        |
| 12                | 1/4 - 20 x 1-1/4" PPH MACHINE SCREW                                                            | STEEL        |
| 14                | BOTTOM MULLION BRACKET                                                                         | STEEL        |
| 15                | TOP MULLION BRACKET                                                                            | STEEL        |
| 16                | REMOVABLE MULLION (FE708A)                                                                     | STEEL        |
| 17                | CENTER BOLT ROLLER STRIKE PLATE                                                                | STEEL        |
| 18                | #12-24 X 2" FH MACHINE SCREW                                                                   | STEEL        |
| 19                | 1/4 - 20 x 1" PFH MACHINE SCREW                                                                | STEEL        |
| 20                | CORNER REINFORCEMENT (1" X 1" X 1/2" X 4.75" LONG ANGLE)                                       | ALUM         |
| 21                | #10 X 1" PPH SMS                                                                               | STEEL        |
| 22                | #10 X 1/2" PPH SMS                                                                             | STEEL        |
| 23                | #8 X 2" CAP SCREW                                                                              | STEEL        |
| 24                | DOOR SWEEP (PEMKO 345AV)                                                                       | -            |
| 25                | #6 X 5/8" PPH SMS                                                                              | STEEL        |
| 26                | TOP LATCH STRIKE HOUSING                                                                       | STEEL        |
| 27                | BOTTOM BOLT STRIKE PLATE                                                                       | STEEL        |
| 30                | STEEL PLATE (1/4" x 4-1/2" x 12") ASTM A36                                                     | STEEL        |
| 32                | ADA THRESHOLD (PEMKO 171A)                                                                     | ALUM         |
| 40                | DOOR PANEL (SEE DOOR PANEL DETAILS)                                                            | -            |



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

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PRODUCT:  
CLINE DOORS

PART OR ASSEMBLY:  
BILL OF MATERIALS  
& COMPONENTS

| NO. | DATE    | REVISIONS         |        |             |           |
|-----|---------|-------------------|--------|-------------|-----------|
|     |         | DATE              | BY     | DESCRIPTION | REVISIONS |
| 6   | 7/02/26 | UPDATE TO 9TH ED. | (2026) | FBC         | LFS       |
| 5   | 7/05/23 | UPDATE TO 8TH ED. | (2023) | FBC         | LFS       |
| 4   | 8/11/20 | UPDATE TO 7TH ED. | (2020) | FBC         | DAC       |

DATE: 9/5/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-6336.7

SHEET 9 OF 9