



AMERICA'S DOORMAKER  
631 N. FIRST ST. WEST BRANCH, MI 48661

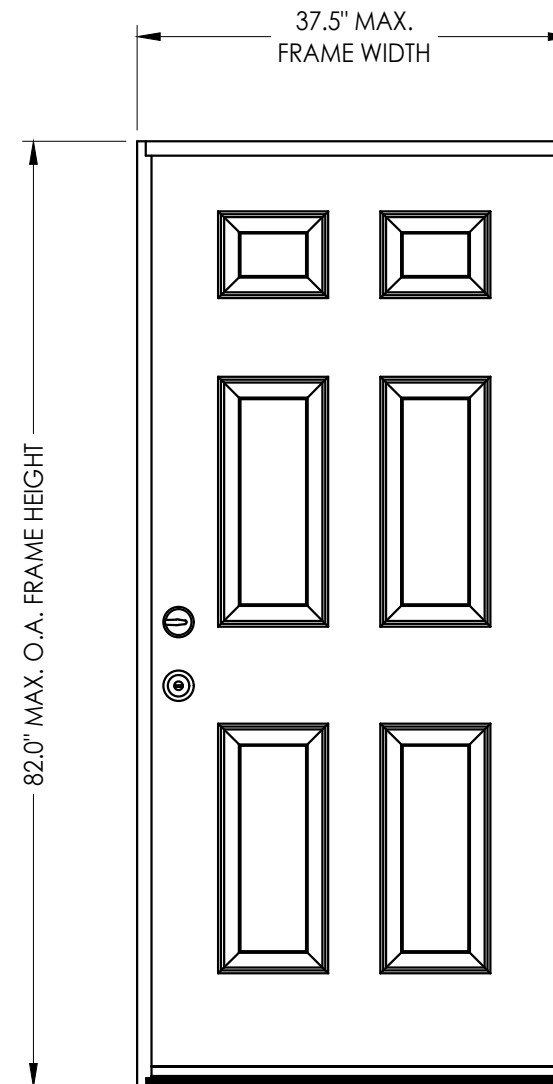
## STEEL EDGE OPAQUE SINGLE DOOR INSWING / OUTSWING "IMPACT"

### GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" 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 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using coastal outswing item #31 meet water infiltration requirements for "HVHZ".
8. Inswing configurations and outswing configurations when using item #41 do not meet the water infiltration requirements for the "HVHZ". These units shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
9. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6.

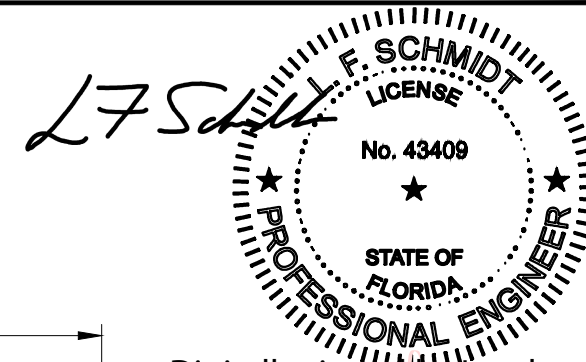
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| 5       | Buck and frame anchoring 2X buck masonry construction |
| 6       | Frame anchoring 1X buck masonry construction          |
| 7       | Bill of Materials and components                      |



OPAQUE SINGLE DOOR

| SWING    | OVERALL<br>FRAME<br>DIMENSION | DESIGN PRESSURE (PSF) |          |
|----------|-------------------------------|-----------------------|----------|
|          |                               | POSITIVE              | NEGATIVE |
| INSWING  | 37.5" x 82.0"                 | +60.0                 | -60.0    |
| OUTSWING | 37.75" x 80.5"                | +60.0                 | -60.0    |



Digitally signed by Lyndon F Schmidt

Date: 2023.07.18 17:15:12 -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

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: TAYLOR DOORS  
STEEL EDGE DOOR

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

| NO. | DATE    | REVISIONS                |     |     |             |
|-----|---------|--------------------------|-----|-----|-------------|
|     |         | DATE                     | BY  | NO. | DESCRIPTION |
| 5   | 7/06/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS |             |
| 4   | 7/16/20 | UPDATE TO 7th ED (2020)  | FBC | LFS |             |
| 3   | 7/20/17 | UPDATE TO 6TH ED. (2017) | FBC | JK  |             |
| 2   | 3/9/15  | UPDATE TO 5TH ED. (2014) | FBC | JK  |             |
| 1   | 1/9/12  | UPDATE TO 2010 FBC       |     | KV  |             |

DATE: 06/04/07

SCALE: N.T.S.

DWG. BY: TL

CHK. BY: LFS

DRAWING NO.: FL-8845.11

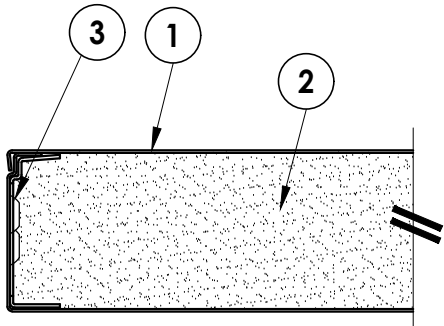
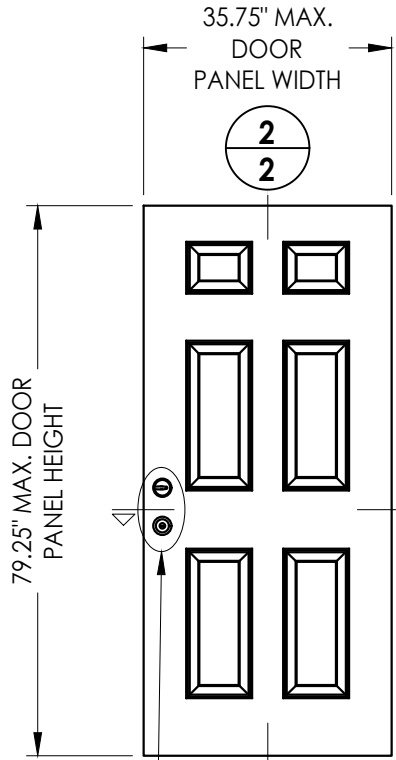
SHEET 1 OF 7

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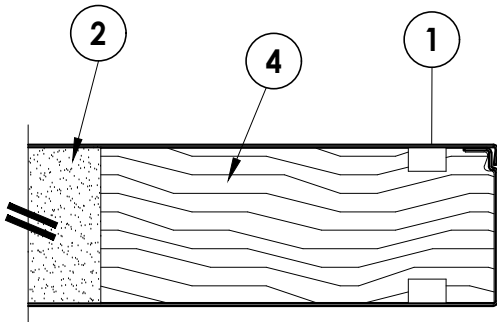
SEE HARDWARE  
CHART

40 STEEL EDGE DOOR PANEL

| HARDWARE CHART |             |                             |
|----------------|-------------|-----------------------------|
| MANUFACTURER   | MODEL       |                             |
| YALE           | KNOB:       | NEW TRADITIONS              |
|                | DEADBOLT:   | NEW TRADITIONS (800 SERIES) |
| SCHLAGE        | KNOB/LEVER: | "F" SERIES                  |
|                | DEADBOLT:   | B60/62                      |
| KWIKSET        | KNOB:       | SIGNATURE SERIES            |
|                | DEADBOLT:   | SIGNATURE SERIES (980)      |

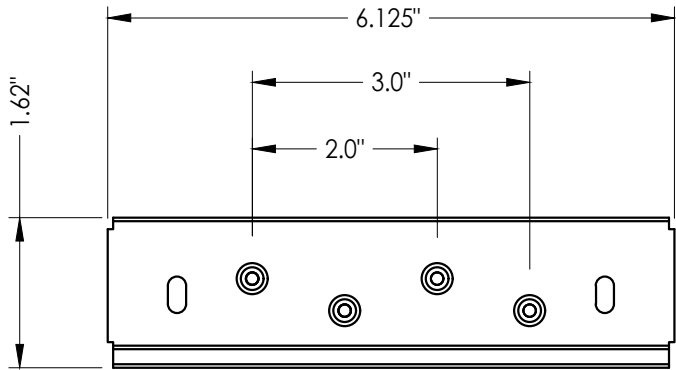


EXTERIOR

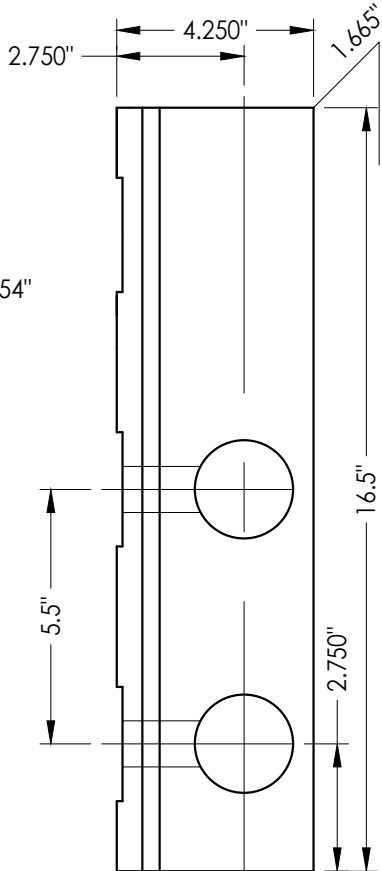
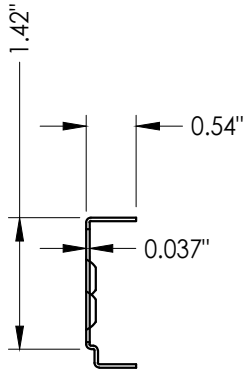


INTERIOR

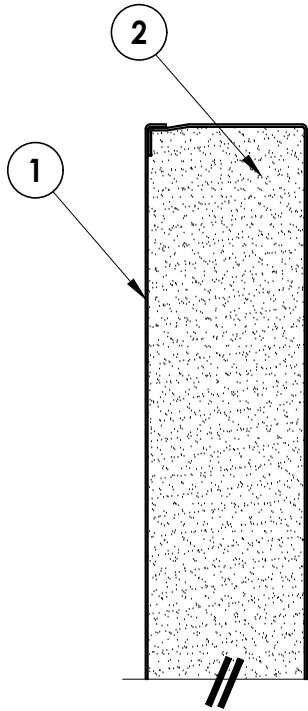
1  
2 HORIZONTAL CROSS SECTION



3 HINGE  
REINFORCEMENT

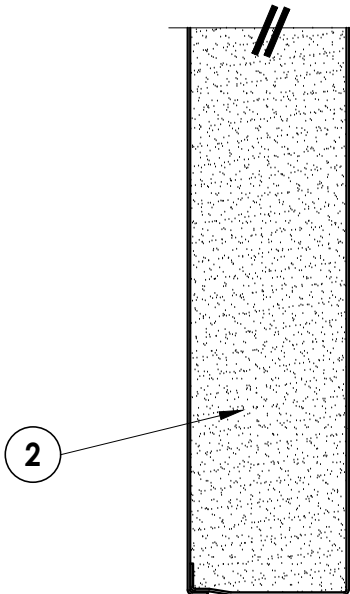


4 LOCK BLOCK DETAIL



EXTERIOR

INTERIOR



2  
2 VERTICAL CROSS SECTION

Documents Prepared By:  
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BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
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FBPE Registry No. 9813

PRODUCT: TAYLOR DOORS  
STEEL EDGE DOOR  
PART OR ASSEMBLY:  
DOOR PANEL DETAILS  
COMPONENTS & HARDWARE CHART

| NO. | DATE    | REVISIONS                |     |    |    |     |     |
|-----|---------|--------------------------|-----|----|----|-----|-----|
|     |         | DATE                     | BY  | KV | JK | LFS | LFS |
| 5   | 7/06/23 | UPDATE TO 8TH ED. (2023) | FBC |    |    |     |     |
| 4   | 7/16/20 | UPDATE TO 7th ED (2020)  | FBC |    |    |     |     |
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| 1   | 1/9/12  | UPDATE TO 2010 FBC       |     |    |    |     |     |

DATE: 06/04/07

SCALE: N.T.S.

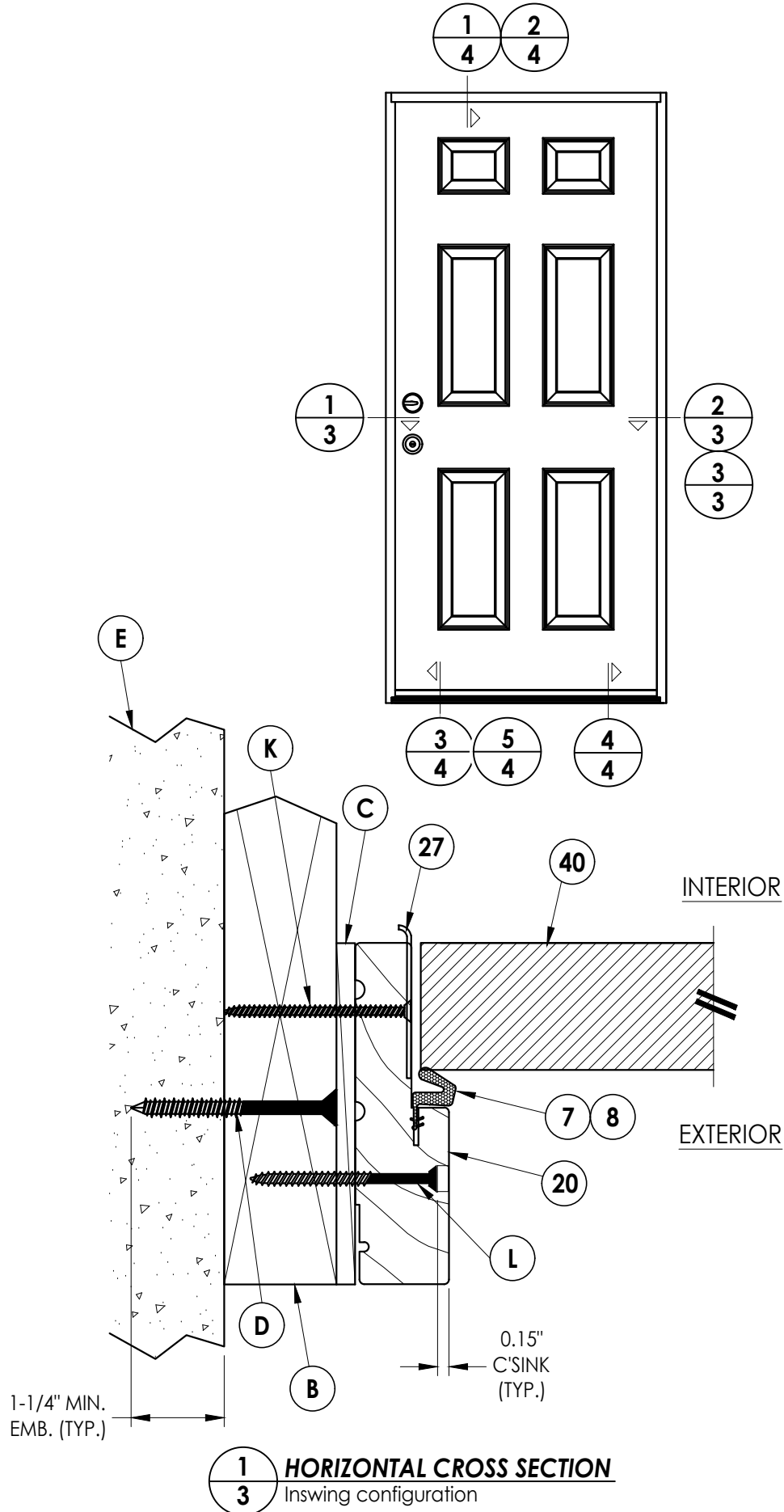
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CHK. BY: LFS

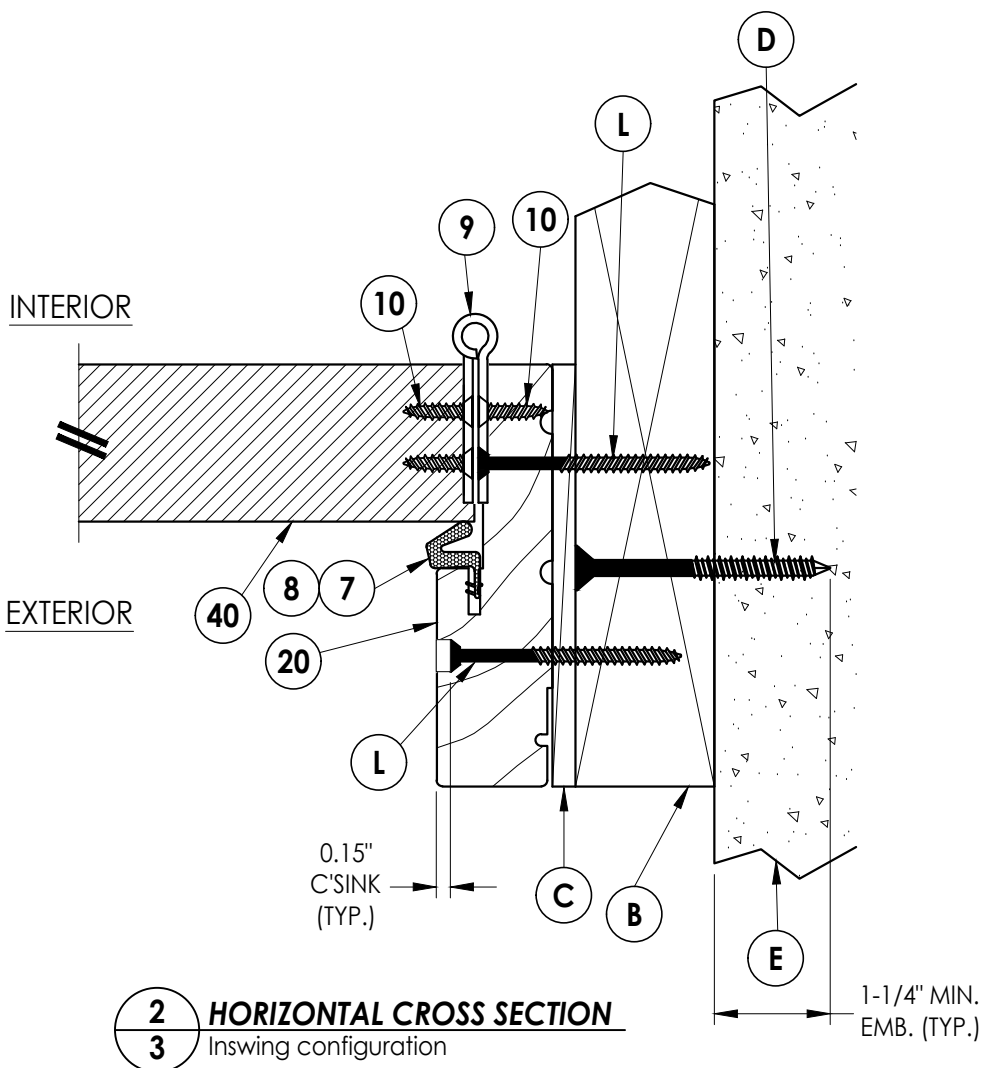
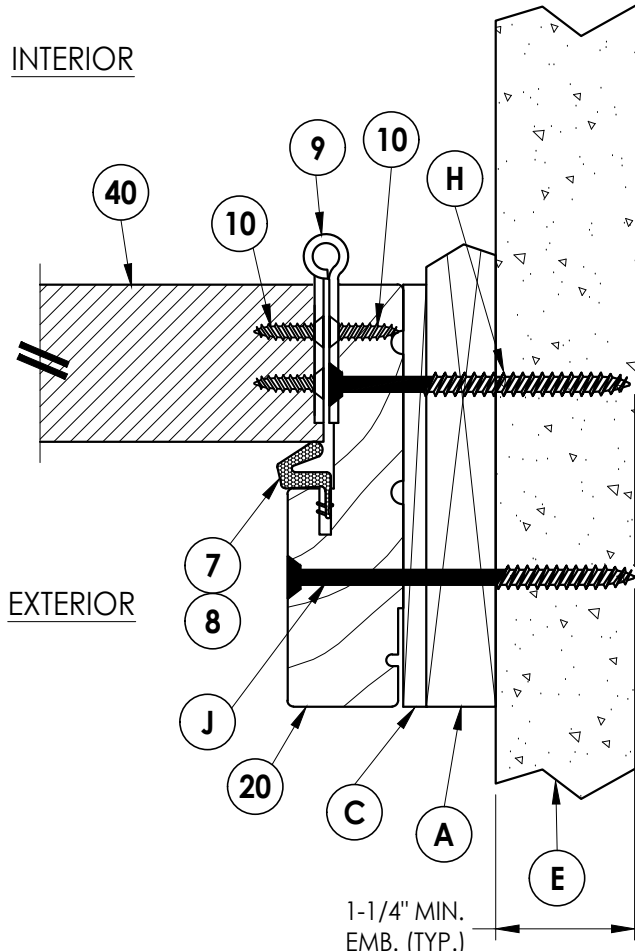
DRAWING NO.: FL-8845.11

SHEET 2 OF 7

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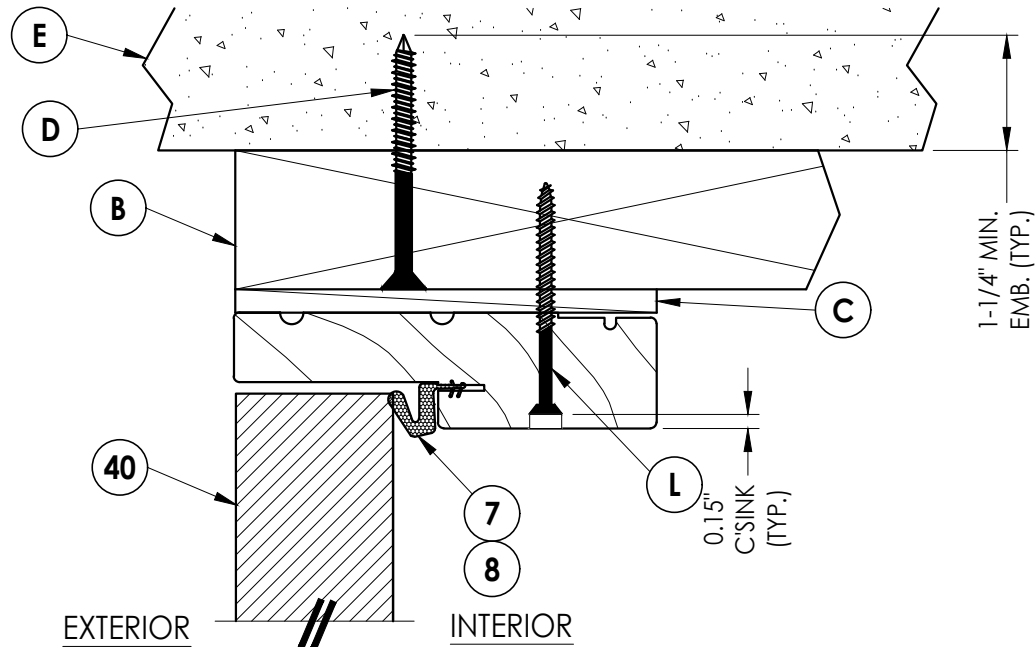
3 HORIZONTAL CROSS SECTION  
Shown w/1X sub-buck



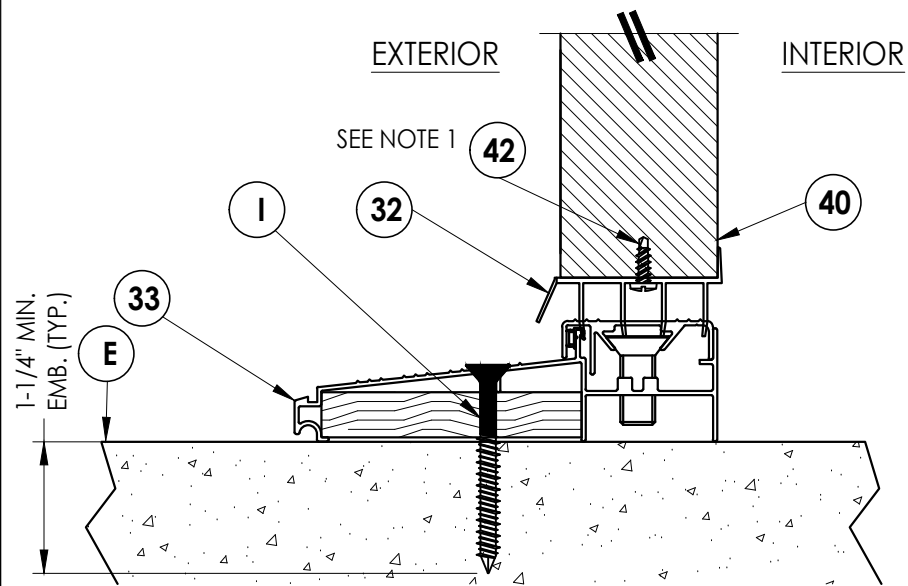
2 HORIZONTAL CROSS SECTION  
Inswing configuration

|                        |  |                   |  |                              |  |
|------------------------|--|-------------------|--|------------------------------|--|
| Documents Prepared By: |  | Lyndon F. Schmidt |  | P.E. No. 43409               |  |
| PRODUCT:               |  | TAYLOR DOORS      |  | STEEL EDGE DOOR              |  |
| PART OR ASSEMBLY:      |  | HORIZONTAL        |  | CROSS SECTIONS               |  |
| DATE:                  |  | 06/04/07          |  | REVISIONS                    |  |
| SCALE:                 |  | N.T.S.            |  |                              |  |
| DWG. BY:               |  | TL                |  |                              |  |
| CHK. BY:               |  | LFS               |  |                              |  |
| DRAWING NO.:           |  | FL-8845.11        |  |                              |  |
| SHEET                  |  | 3                 |  | OF 7                         |  |
| NO.                    |  | DATE              |  |                              |  |
| 5                      |  | 7/06/23           |  | UPDATE TO 8TH ED. (2023) FBC |  |
| 4                      |  | 7/16/20           |  | UPDATE TO 7th ED. (2020) FBC |  |
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| 2                      |  | 3/9/15            |  | UPDATE TO 5TH ED. (2014) FBC |  |
| 1                      |  | 1/9/12            |  | UPDATE TO 2010 FBC           |  |
| LFS                    |  |                   |  |                              |  |
| JK                     |  |                   |  |                              |  |
| KV                     |  |                   |  |                              |  |
| BY                     |  |                   |  |                              |  |

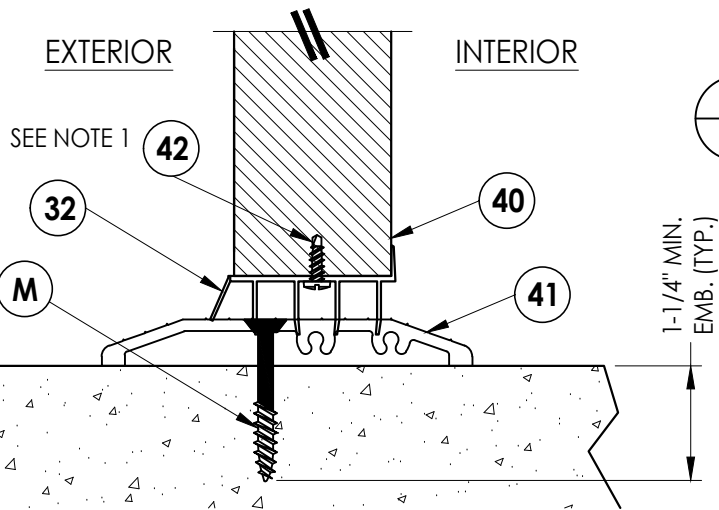
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1  
4 VERTICAL CROSS SECTION

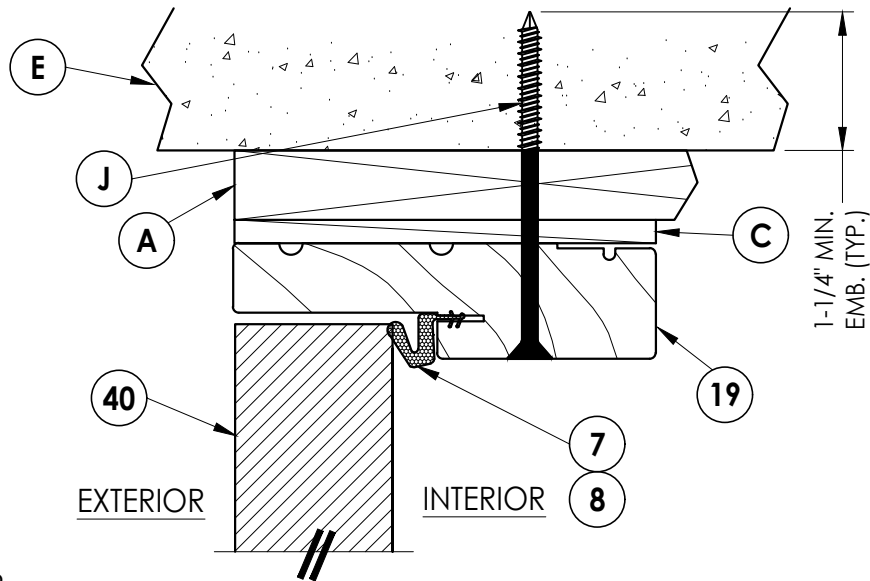


3  
4 VERTICAL CROSS SECTION  
Inswing configuration  
see general notes, sheet 1  
for "HVHZ" water infiltration  
requirements

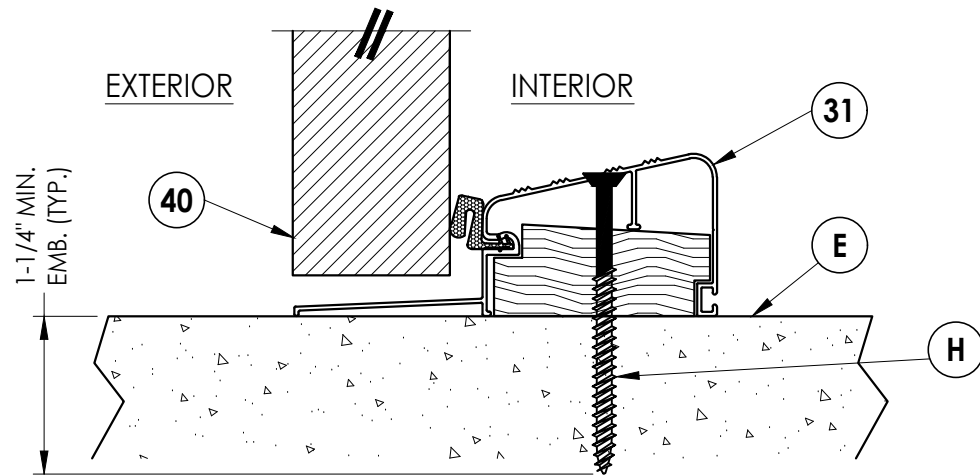


5  
4 VERTICAL CROSS SECTION  
Inswing configuration  
see general notes, sheet 1  
for "HVHZ" water infiltration  
requirements

NOTE:  
1. Item #42 located 2" from each  
end plus 2 more equally spaced.



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



4  
4 VERTICAL CROSS SECTION  
Outswing configuration  
see general notes, sheet 1  
for "HVHZ" water infiltration  
requirements

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FBPE Registry No. 9813

PRODUCT:  
TAYLOR DOORS  
STEEL EDGE DOOR

PART OR ASSEMBLY:  
VERTICAL  
CROSS SECTIONS

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 5   | 7/06/23 | UPDATE TO 8TH ED. (2023) FBC |
| 4   | 7/16/20 | UPDATE TO 7th ED (2020) FBC  |
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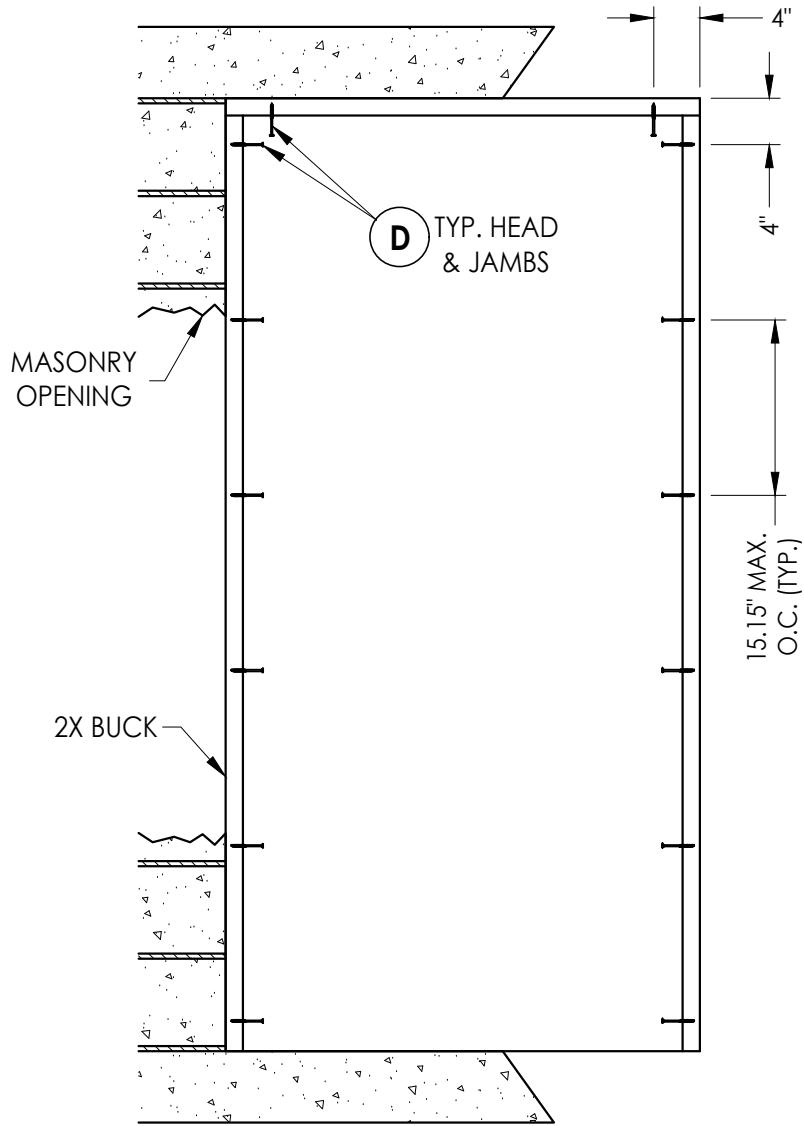
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CHK. BY: LFS

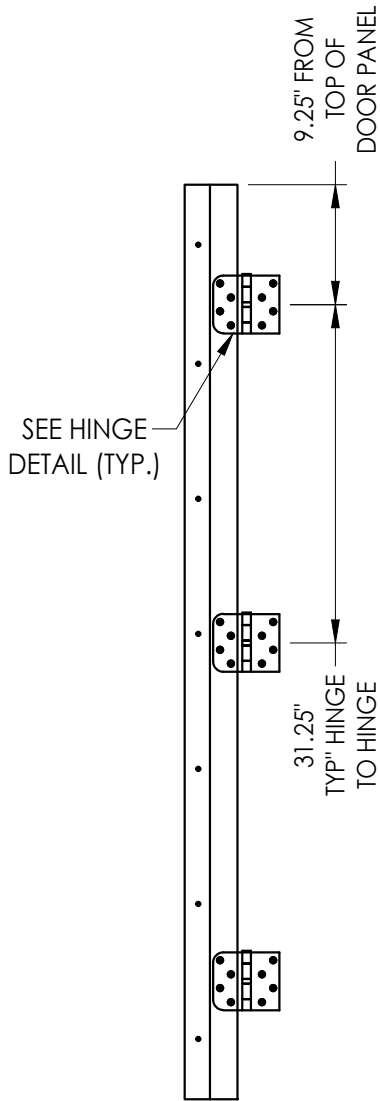
DRAWING NO.: FL-8845.11

SHEET 4 OF 7

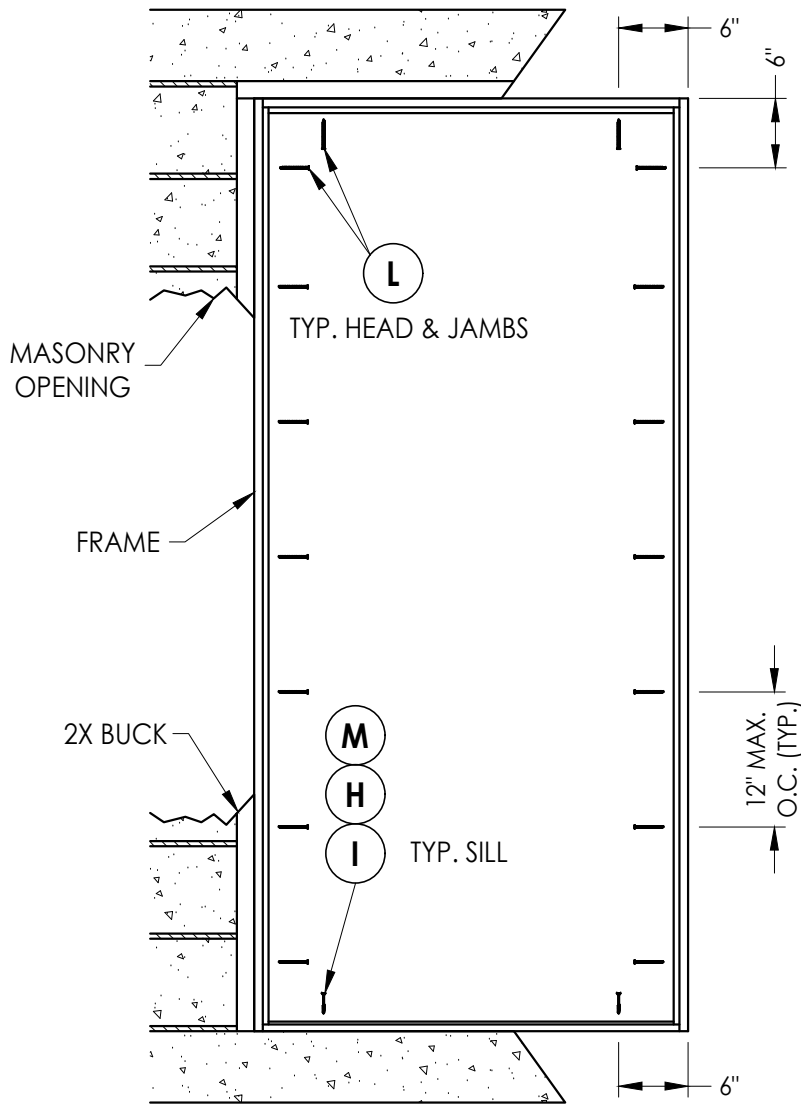
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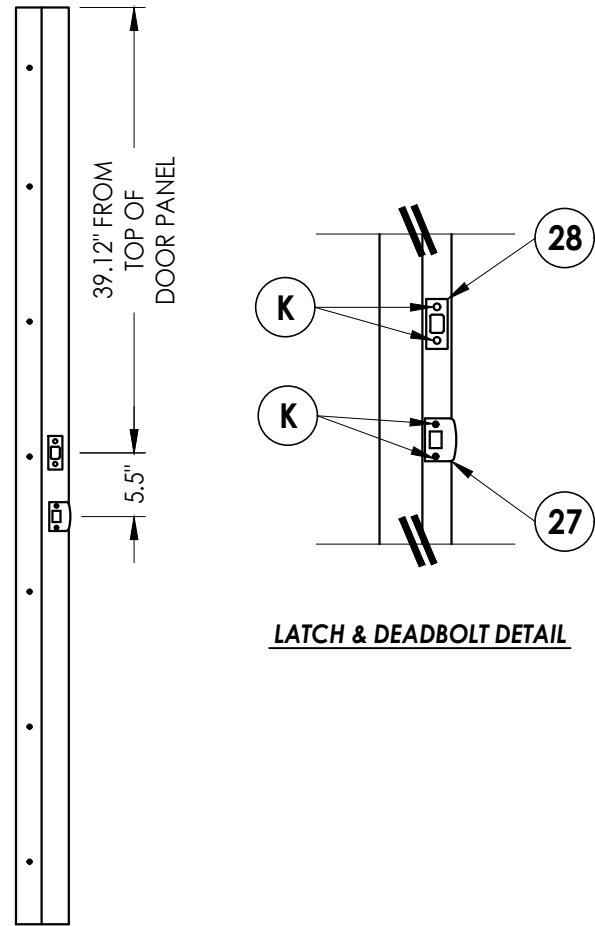
**BUCK ANCHORING**



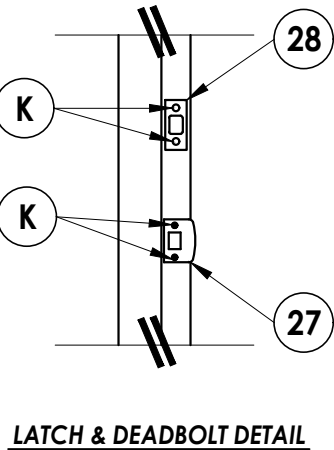
**HINGE JAMB**



**FRAME ANCHORING**  
Masonry 2X buck construction



**STRIKE JAMB**



**LATCH & DEADBOLT DETAIL**

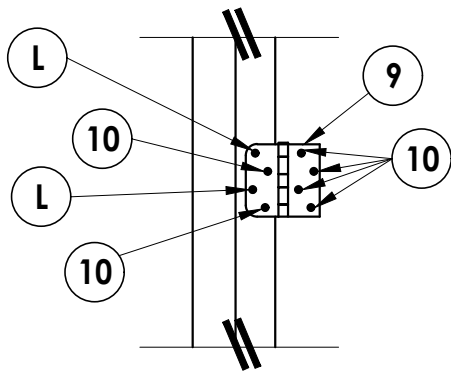
**CONCRETE ANCHOR NOTES:**

- 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.



**HINGE DETAIL**

Documents Prepared By:  
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P.E. No. 43409

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Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: TAYLOR DOORS  
STEEL EDGE DOOR

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

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 5   | 7/06/23 | UPDATE TO 8TH ED. (2023) FBC |
| 4   | 7/16/20 | UPDATE TO 7th ED (2020) FBC  |
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| 1   | 1/9/12  | UPDATE TO 2010 FBC           |

DATE: 06/04/07

SCALE: N.T.S.

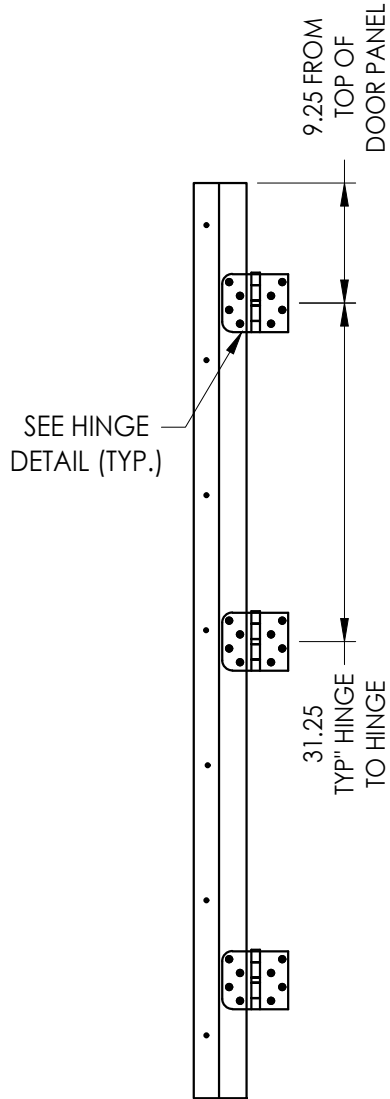
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CHK. BY: LFS

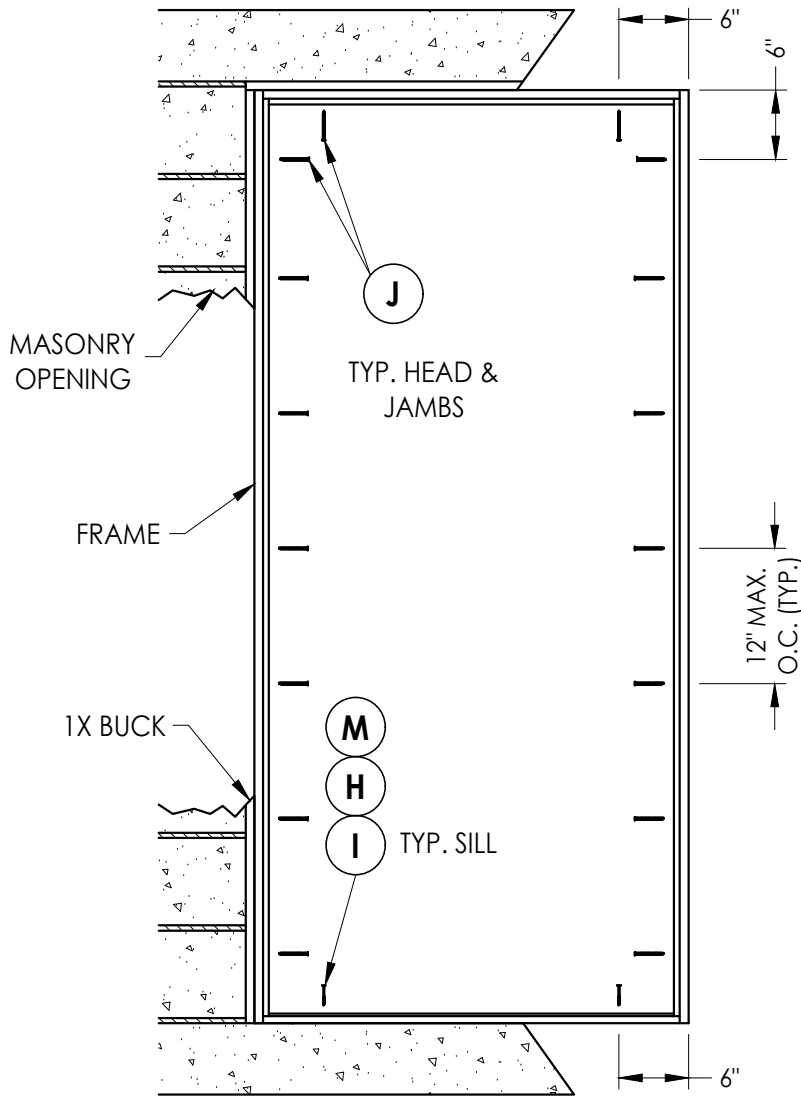
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SHEET 5 OF 7

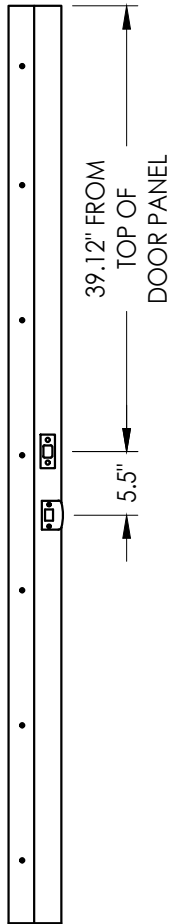
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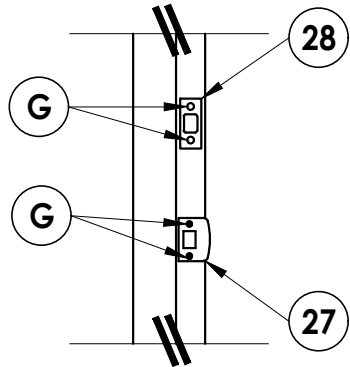
HINGE JAMB



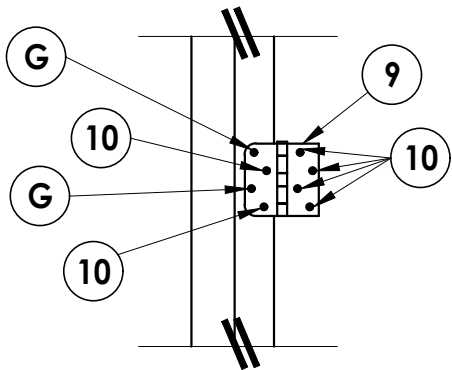
FRAME ANCHORING  
Masonry 1X buck construction



STRIKE JAMB



LATCH & DEADBOLT DETAIL



HINGE DETAIL 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® | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| ITW TAPCON® | 3/16"       | 1-1/4"         | 3"                             | 1-1/2"                            |

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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Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: TAYLOR DOORS  
STEEL EDGE DOOR

PART OR ASSEMBLY:  
FRAME ANCHORING 1X BUCK  
MASONRY CONSTRUCTION

| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
| 5   | 7/06/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 4   | 7/16/20 | UPDATE TO 7th ED (2020) FBC LFS  |
| 3   | 7/20/17 | UPDATE TO 6TH ED. (2017) FBC JK  |
| 2   | 3/9/15  | UPDATE TO 5TH ED. (2014) FBC JK  |
| 1   | 1/9/12  | UPDATE TO 2010 FBC KV            |

DATE: 06/04/07

SCALE: N.T.S.

DWG. BY: TL

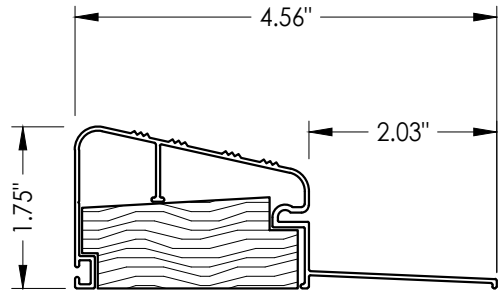
CHK. BY: LFS

DRAWING NO.:  
FL-8845.11

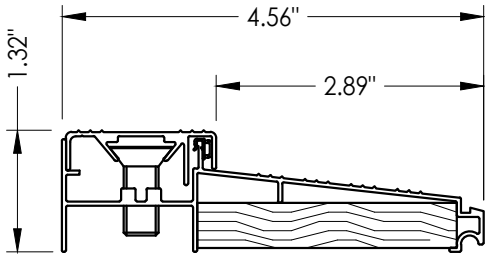
SHEET 6 OF 7

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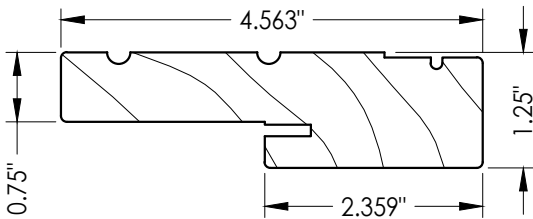
| BILL OF MATERIALS |                                                                                                |              |
|-------------------|------------------------------------------------------------------------------------------------|--------------|
| ITEM              | DESCRIPTION                                                                                    | MATERIAL     |
| A                 | 1X BUCK SG >= 0.55                                                                             | WOOD         |
| B                 | 2X BUCK SG >= 0.55                                                                             | WOOD         |
| C                 | MAX. 1/4" SHIM SPACE                                                                           | WOOD         |
| 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     |
| G                 | 3/16" X 3-1/4" PFH ITW CONCRETE SCREW                                                          | STEEL        |
| H                 | 1/4" x 3-1/4" PFH ITW CONCRETE SCREW                                                           | STEEL        |
| I                 | 1/4" X 2-1/4" PFH ITW CONCRETE SCREW                                                           | STEEL        |
| J                 | 1/4" X 3-3/4" PFH ITW CONCRETE SCREW                                                           | STEEL        |
| K                 | #8 X 2-1/2" PFH WOOD SCREW                                                                     | STEEL        |
| L                 | #10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)                                             | STEEL        |
| M                 | 1/4" X 1-3/4" PFH ITW CONCRETE SCREW                                                           | STEEL        |
| 1                 | DOOR SKIN (0.022" THK. STEEL, Fy = 35,300 PSI MIN.)                                            | STEEL        |
| 2                 | FOAM CORE: 2.0 lbs/FT DENSITY, Bayer 245                                                       | POLYURETHANE |
| 3                 | HINGE REINFORCEMENT                                                                            | STEEL        |
| 4                 | LOCK BLOCK SPRUCE-PINE-FIR SG >= 0.42                                                          | WOOD         |
| 7                 | MEDIUM REACH COMPRESSION WEATHERSTRIP (TAYLOR DOORS)                                           | FOAM         |
| 8                 | LONG REACH COMPRESSION WEATHERSTRIP (TAYLOR DOORS)                                             | FOAM         |
| 9                 | 4" X 4" HINGE (0.097" THK.)                                                                    | STEEL        |
| 10                | #10 X 3/4" PFH WOOD SCREW                                                                      | STEEL        |
| 19                | HEADER JAMB (PINE, SG >= 0.42)                                                                 | WOOD         |
| 20                | SIDE JAMB (PINE, SG >= 0.42)                                                                   | WOOD         |
| 27                | LATCH STRIKE PLATE                                                                             | STEEL        |
| 28                | DEADBOLT PLATE                                                                                 | STEEL        |
| 31                | OUTSWING THRESHOLD BY DLP                                                                      | ALUM./WOOD   |
| 32                | DOOR BOTTOM SWEEP                                                                              | VINYL        |
| 33                | INSWING THRESHOLD BY DLP                                                                       | ALUM./WOOD   |
| 40                | STEEL EDGE DOOR - SEE PANEL DETAIL SHEET FOR DETAILS                                           | -            |
| 41                | ADA THRESHOLD                                                                                  | ALUM./WOOD   |
| 42                | #8 X 1/2" SELF-DRILLING SCREW                                                                  | STEEL        |



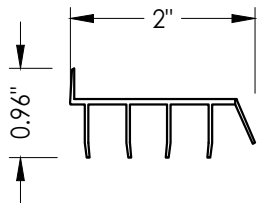
31 **OUTSWING**  
Threshold by DLP



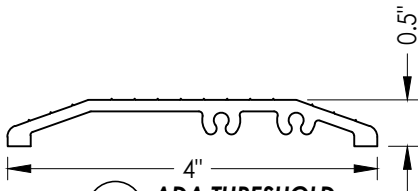
33 **INSWING**  
Threshold



19 20 **HEAD & SIDE**  
Jamb



32 **SWEEP**



41 **ADA THRESHOLD**

|                                                               |         |                                                                                                                    |     |     |
|---------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------|-----|-----|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |         | BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |     |     |
| PRODUCT:<br>TAYLOR DOORS<br>STEEL EDGE DOOR                   |         | PART OR ASSEMBLY:<br>BILL OF MATERIAL &<br>COMPONENTS                                                              |     |     |
| 5                                                             | 7/06/23 | UPDATE TO 8TH ED. (2023)                                                                                           | FBC | LFS |
| 4                                                             | 7/16/20 | UPDATE TO 7th ED (2020)                                                                                            | FBC | LFS |
| 3                                                             | 7/20/17 | UPDATE TO 6TH ED. (2017)                                                                                           | FBC | JK  |
| 2                                                             | 3/9/15  | UPDATE TO 5TH ED. (2014)                                                                                           | FBC | JK  |
| 1                                                             | 1/9/12  | UPDATE TO 2010 FBC                                                                                                 |     | KV  |
| NO.                                                           | DATE    |                                                                                                                    |     |     |
| REVISIONS                                                     |         |                                                                                                                    |     |     |
| DATE: 06/04/07                                                |         |                                                                                                                    |     |     |
| SCALE: N.T.S.                                                 |         |                                                                                                                    |     |     |
| DWG. BY: TL                                                   |         |                                                                                                                    |     |     |
| CHK. BY: LFS                                                  |         |                                                                                                                    |     |     |
| DRAWING NO.: FL-8845.11                                       |         |                                                                                                                    |     |     |
| SHEET 7 OF 7                                                  |         |                                                                                                                    |     |     |