



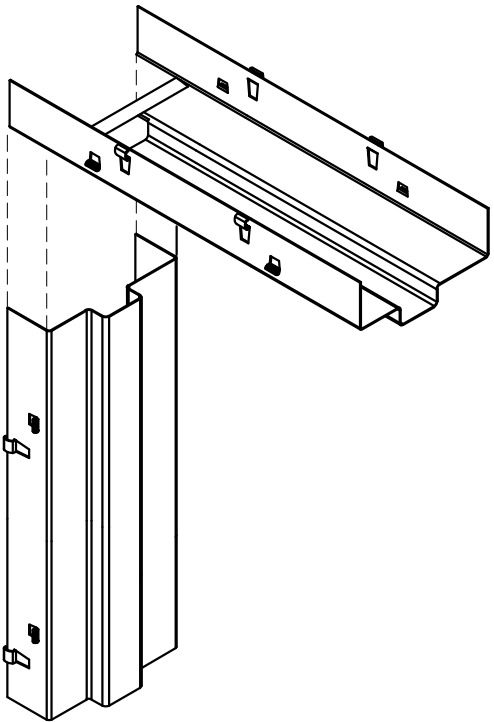
868 MURRAY ROAD, DOTHAN, AL 36303

"REDIFRAME"  
ONE-PIECE STEEL FRAME SYSTEM  
UTILIZING A  
JELD-WEN OPAQUE STEEL DOOR PANEL  
"IMPACT"

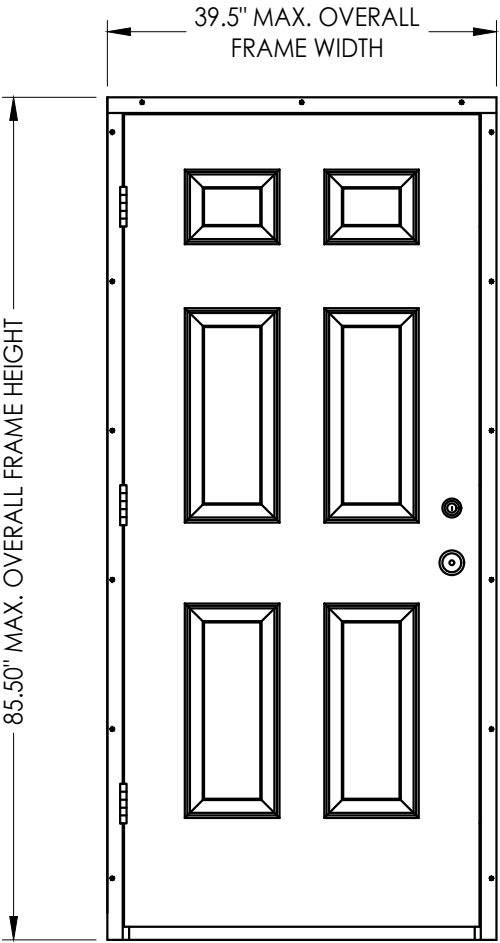
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. Outswing configurations using high water dam threshold item #70 meet water infiltration requirements for "HVHZ".  
  
Inswing configurations and outswing configurations using sill item #71 and #72 do not meet the water infiltration requirements for the "HVHZ" and 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.
- 7.
8. When used in the "HVHZ", steel shall be protected as specified in FBC Section 2222.6.

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|-------------------|------------------------------------------------------|
| SHEET #           | DESCRIPTION                                          |
| 1                 | Typical elevations, design pressures & general notes |
| 2                 | Steel frame cross sections & details                 |
| 3                 | Door panel details                                   |
| 4                 | Horizontal cross sections                            |
| 5                 | Vertical cross sections                              |
| 6                 | Buck and frame anchoring - 2X buck                   |
| 7                 | Buck and frame anchoring - steel stud                |
| 8                 | Bill of materials and components                     |

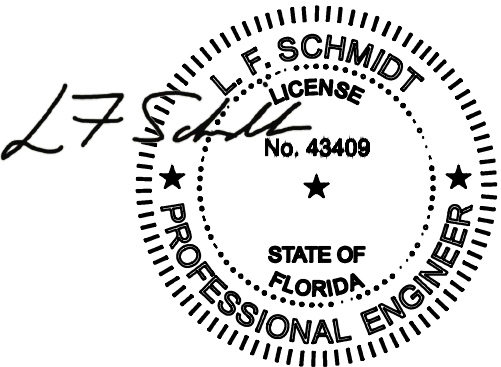


REDIFRAME ONE-PIECE



INSWING OR OUTSWING

| OVERALL<br>FRAME<br>DIMENSION | DESIGN PRESSURE (PSF) |          |
|-------------------------------|-----------------------|----------|
|                               | POSITIVE              | NEGATIVE |
| 39.5" X 85.5"                 | + 66.0                | - 66.0   |



Digitally signed by  
Lyndon F Schmidt  
Date: 2026.07.24  
09:55:26 -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

PRODUCT:  
DUNBARTON REDIFRAME  
ONE-PIECE STEEL FRAME

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

REVISIONS

|     |         |                          |     |     |
|-----|---------|--------------------------|-----|-----|
| 5   | 7/01/26 | UPDATE TO 9TH ED. (2026) | FBC | LFS |
| 4   | 7/06/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS |
| 3   | 8/12/20 | UPDATE TO 7TH ED. (2020) | FBC | DAC |
| 2   | 9/29/17 | UPDATE TO 6TH ED. (2017) | FBC | LFS |
| 1   | 3/24/15 | UPDATE TO 5TH ED. (2014) | FBC | JK  |
| NO. | DATE    |                          |     | BY  |

DATE: 3/14/12

SCALE: N.T.S.

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CHK. BY: LFS

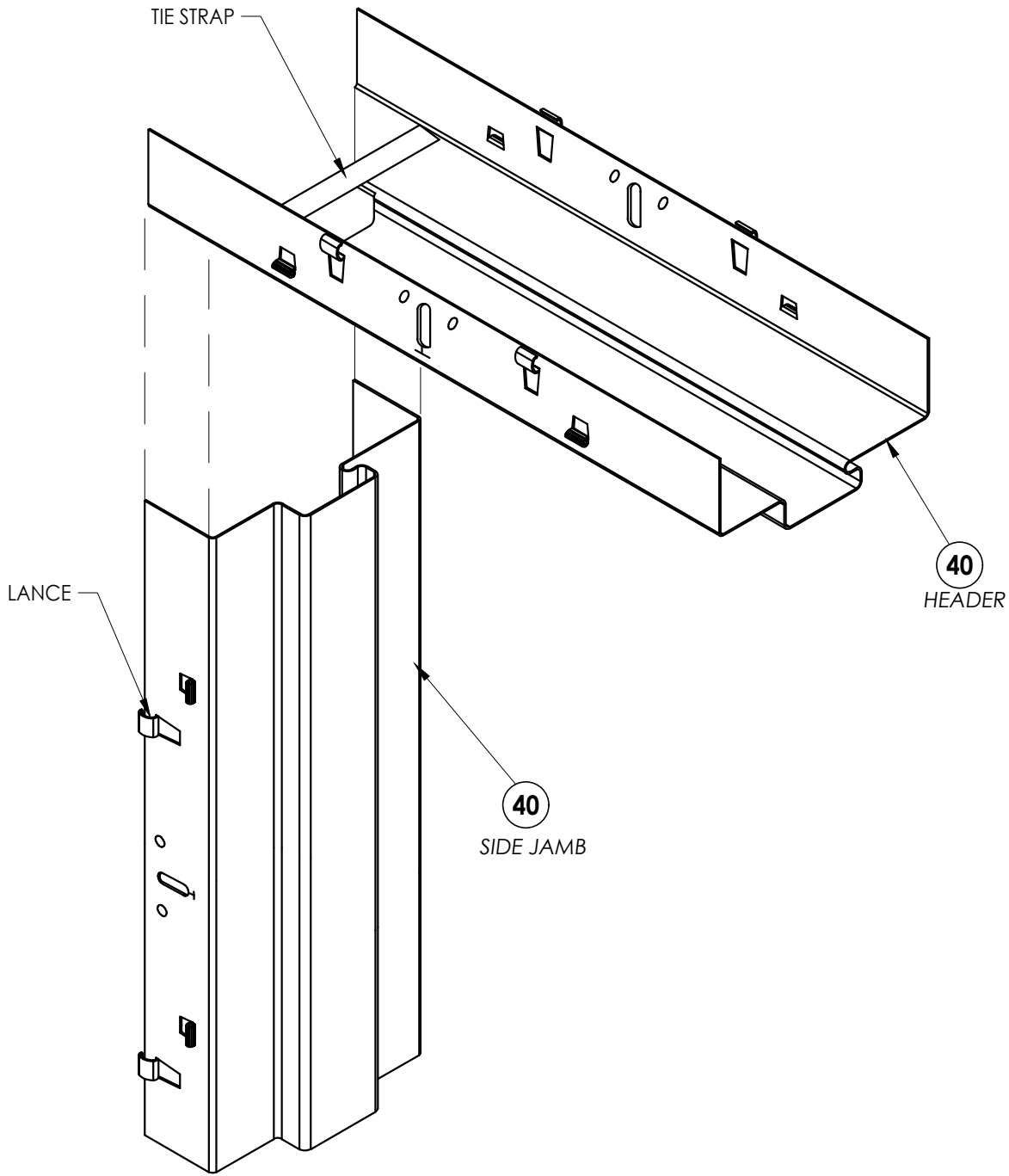
DRAWING NO.:  
FL-15366.3

SHEET 1 OF 8

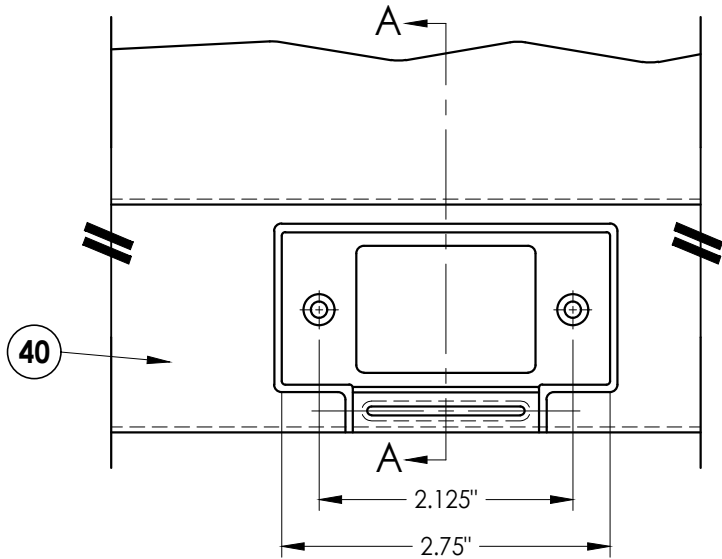
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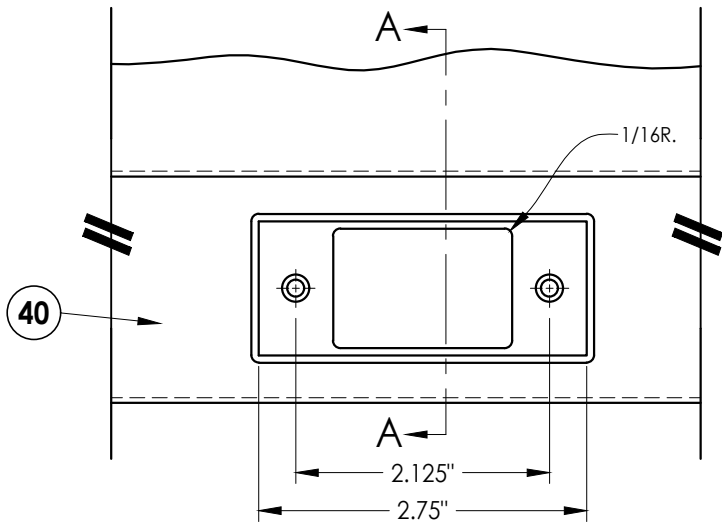
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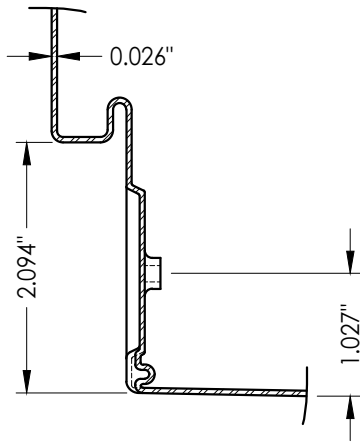
- NOTES:
1. HEADER AND SIDE JAMB MINIMUM 22 GA. STEEL.
  2. FRAME SHOWN WITHOUT OPTIONAL STEEL TRIM CASING.
  3. NON-KERF FRAMES DO NOT MEET AIR AND WATER CRITERIA.



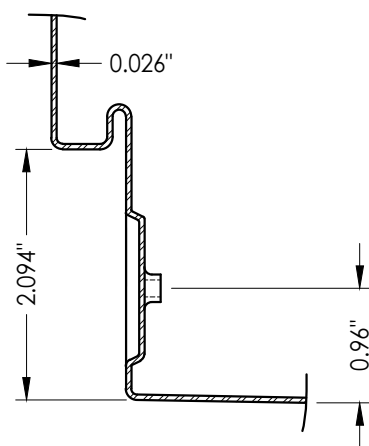
STRIKE AT LATCH



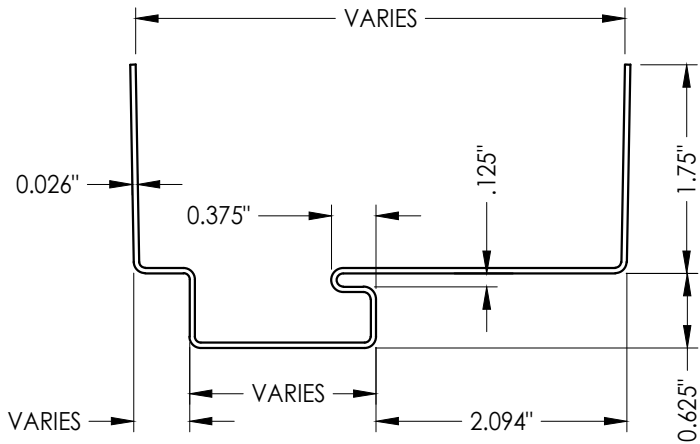
STRIKE AT DEADBOLT



SECTION A-A



SECTION A-A



REDIFRAME CORNER DETAIL

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

PRODUCT:  
DUNBARTON REDIFRAME  
ONE-PIECE STEEL FRAME

| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
| 5   | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC LFS |
| 4   | 7/06/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 3   | 8/12/20 | UPDATE TO 7TH ED. (2020) FBC DAC |
| 2   | 9/29/17 | UPDATE TO 6TH ED. (2017) FBC LFS |
| 1   | 3/24/15 | UPDATE TO 5TH ED. (2014) FBC JK  |
|     |         | BY                               |

DATE: 3/14/12

SCALE: N.T.S.

DWG. BY: AL

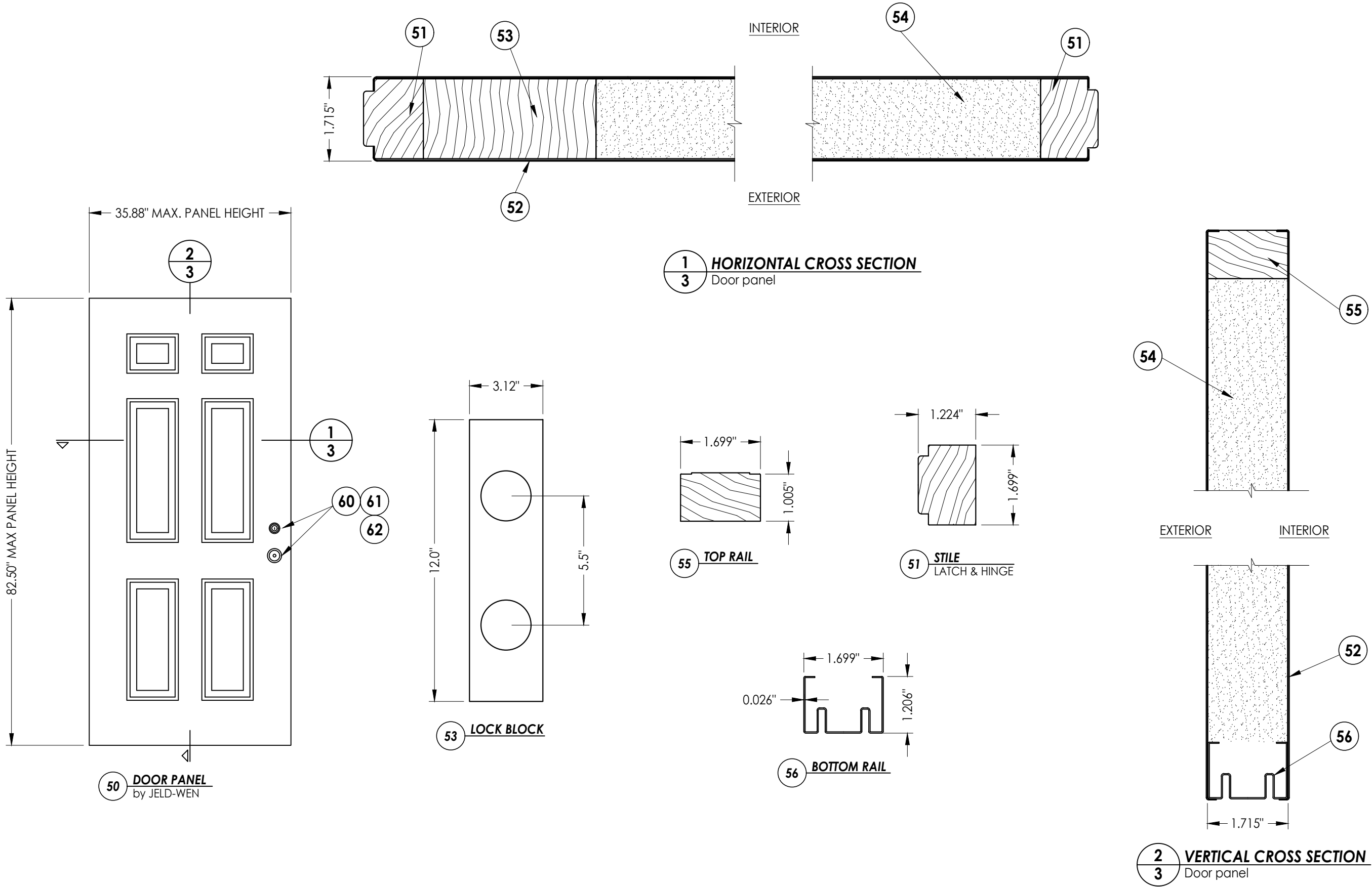
CHK. BY: LFS

DRAWING NO.: FL-15366.3

SHEET 2 OF 8

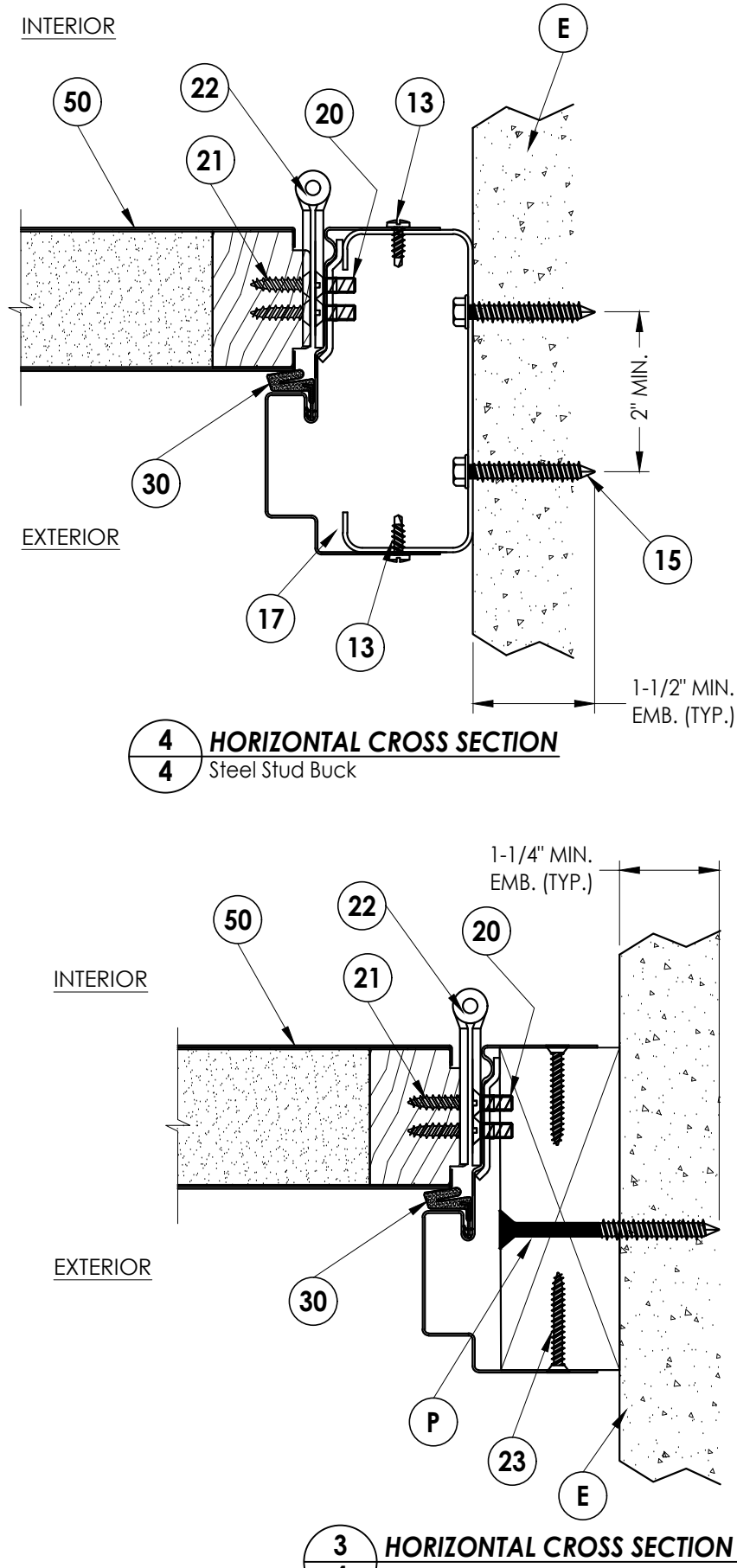
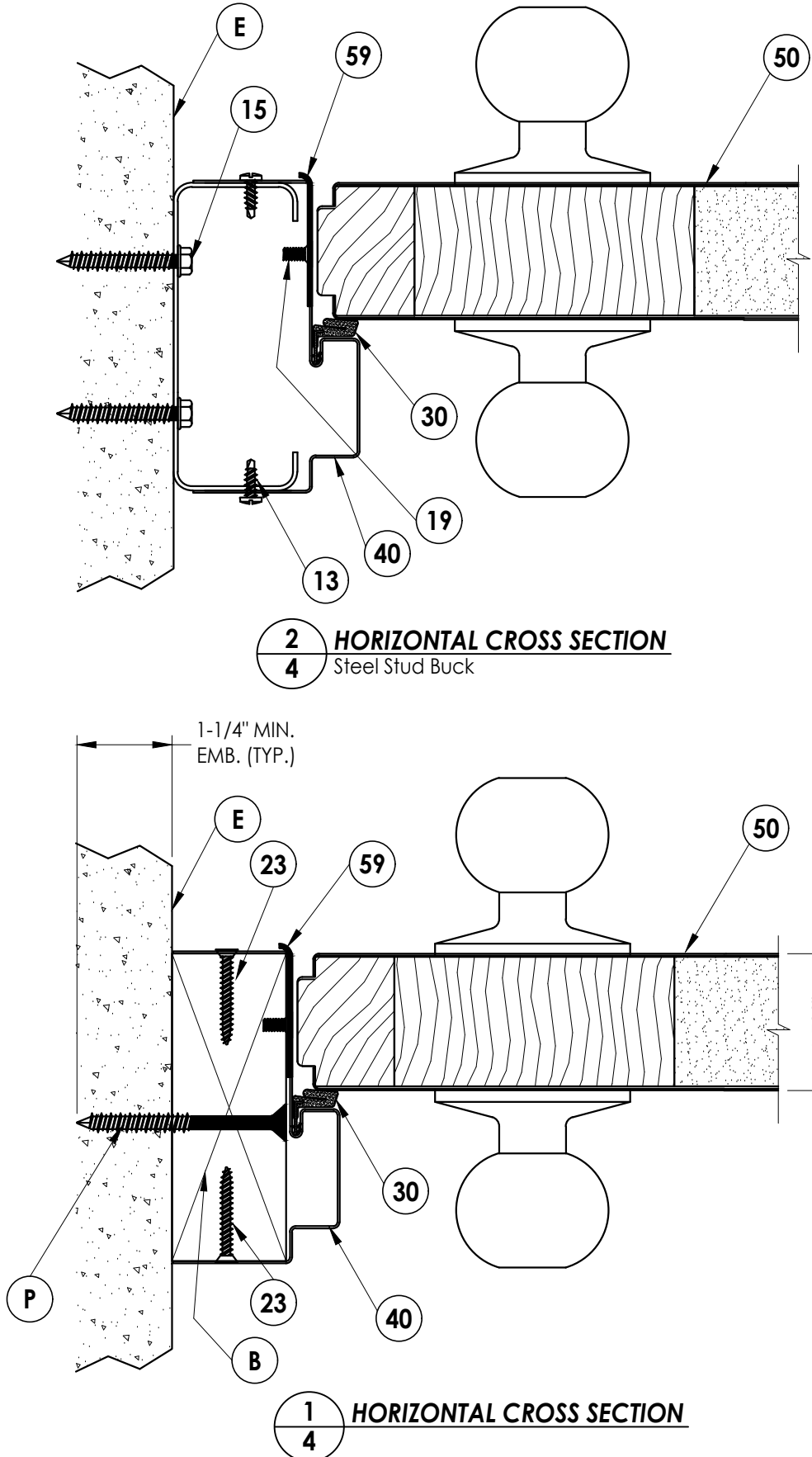
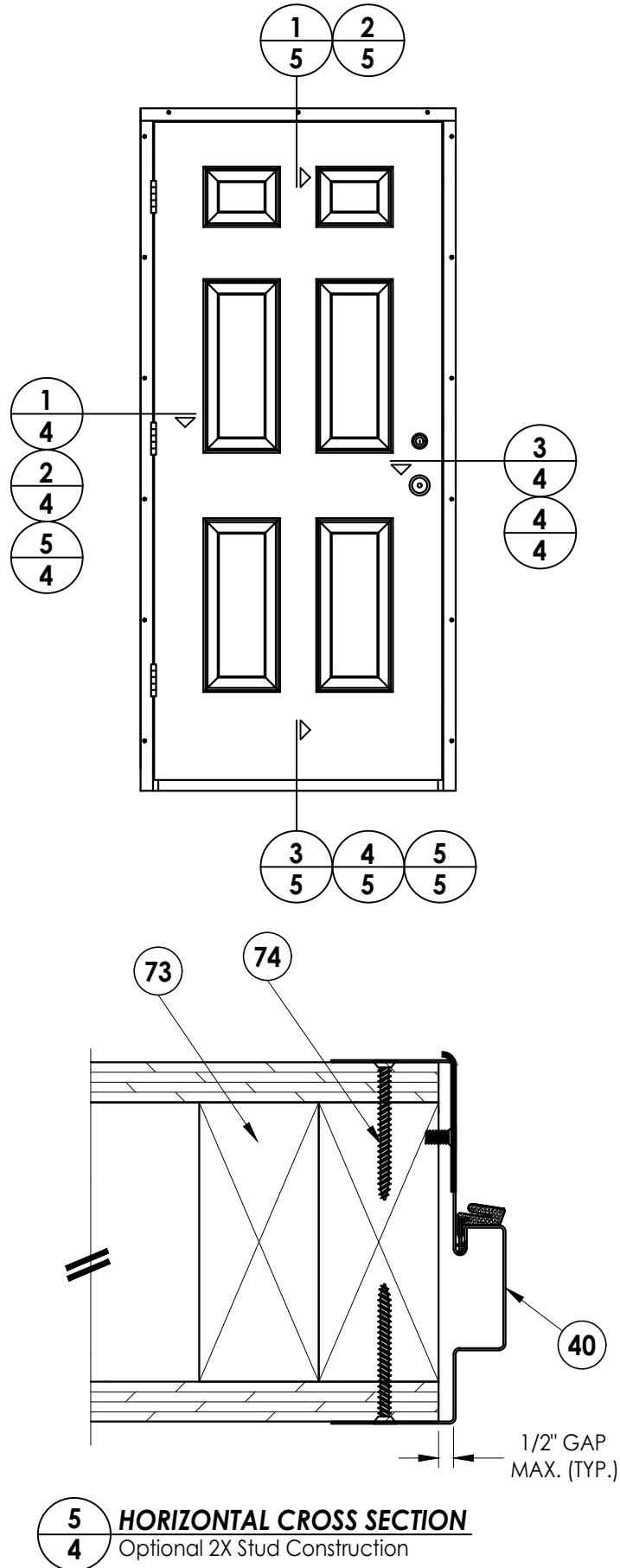
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|                                                               |         |                          |     |                                                                                                                    |  |  |  |
|---------------------------------------------------------------|---------|--------------------------|-----|--------------------------------------------------------------------------------------------------------------------|--|--|--|
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| PRODUCT:<br>DUNBARTON REDIFRAME<br>ONE-PIECE STEEL FRAME      |         |                          |     | PART OR ASSEMBLY:<br>DOOR PANEL DETAILS                                                                            |  |  |  |
|                                                               |         |                          |     |                                                                                                                    |  |  |  |
| 5                                                             | 7/01/26 | UPDATE TO 9TH ED. (2026) | FBC | LFS                                                                                                                |  |  |  |
| 4                                                             | 7/06/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS                                                                                                                |  |  |  |
| 3                                                             | 8/12/20 | UPDATE TO 7TH ED. (2020) | FBC | DAC                                                                                                                |  |  |  |
| 2                                                             | 9/29/17 | UPDATE TO 6TH ED. (2017) | FBC | LFS                                                                                                                |  |  |  |
| 1                                                             | 3/24/15 | UPDATE TO 5TH ED. (2014) | FBC | JK                                                                                                                 |  |  |  |
| NO.                                                           | DATE    |                          |     | BY                                                                                                                 |  |  |  |
|                                                               |         |                          |     | REVISIONS                                                                                                          |  |  |  |
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| DWG. BY: AL                                                   |         |                          |     |                                                                                                                    |  |  |  |
| CHK. BY: LFS                                                  |         |                          |     |                                                                                                                    |  |  |  |
| DRAWING NO.: FL-15366.3                                       |         |                          |     |                                                                                                                    |  |  |  |
| SHEET 3 OF 8                                                  |         |                          |     |                                                                                                                    |  |  |  |

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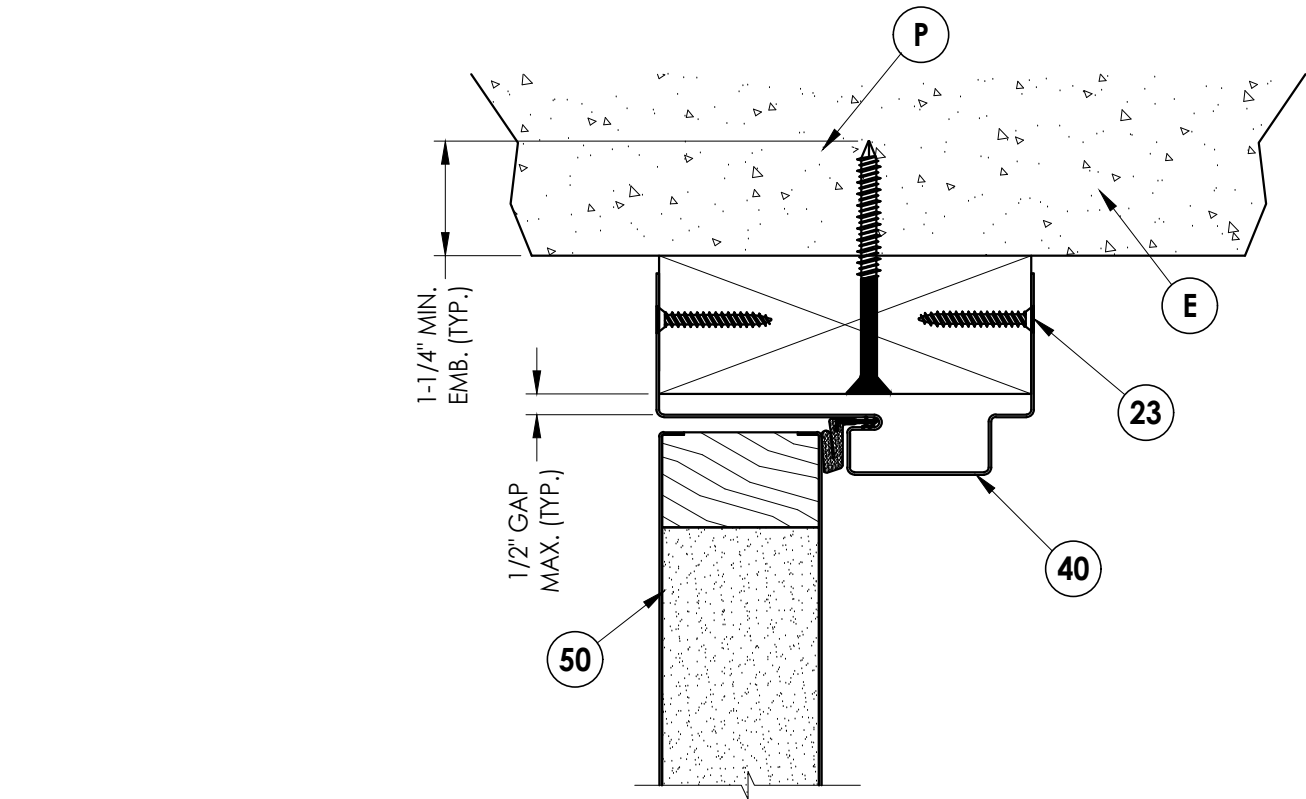


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|--------------|--|------------|
| SCALE:       |  | N.T.S.     |
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| CHK. BY:     |  | LFS        |
| DRAWING NO.: |  | FL-15366.3 |
| SHEET        |  | 4 OF 8     |

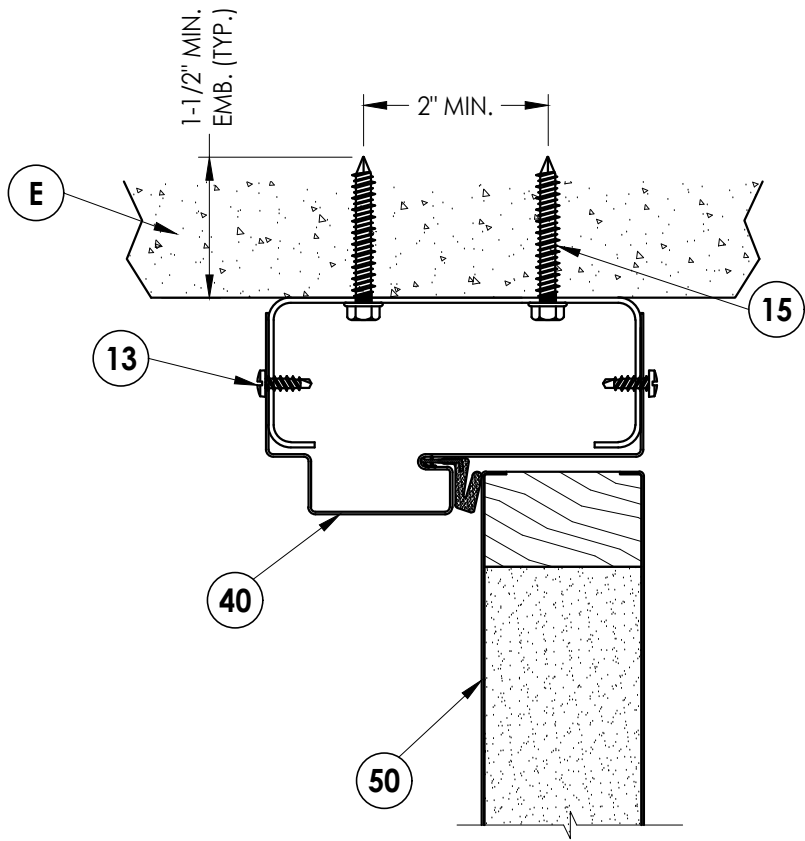
| PRODUCT:          |  | DUNBARTON REDIFRAME<br>ONE-PIECE STEEL FRAME |
|-------------------|--|----------------------------------------------|
| PART OR ASSEMBLY: |  | HORIZONTAL<br>CROSS SECTIONS                 |

| Documents Prepared By:     |  | Lyndon F. Schmidt<br>P.E. No. 43409                                                  |
|----------------------------|--|--------------------------------------------------------------------------------------|
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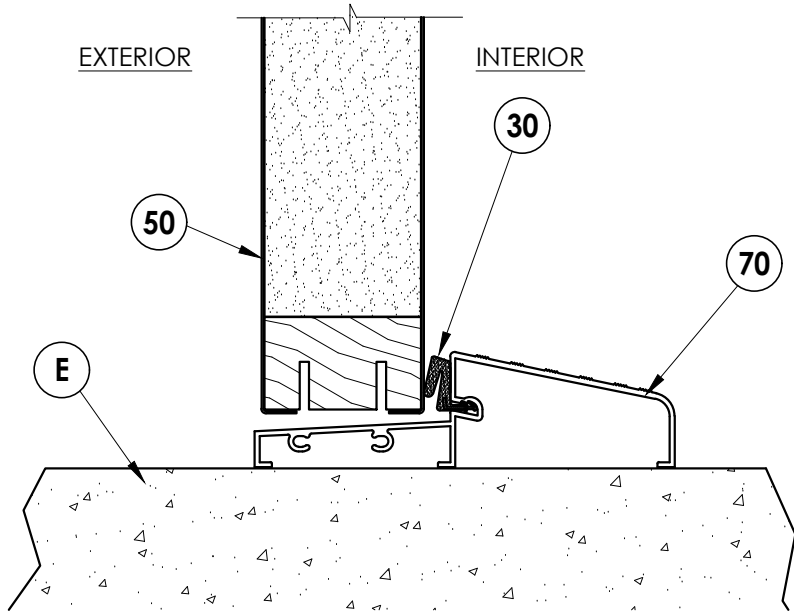
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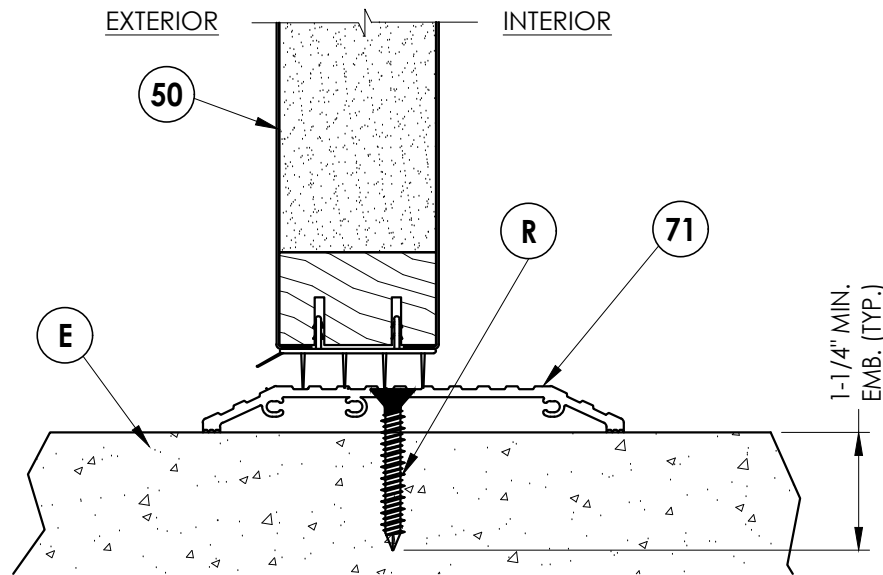
**1**  
**5** **VERTICAL CROSS SECTION**  
SHOWN W/ WOOD BUCK



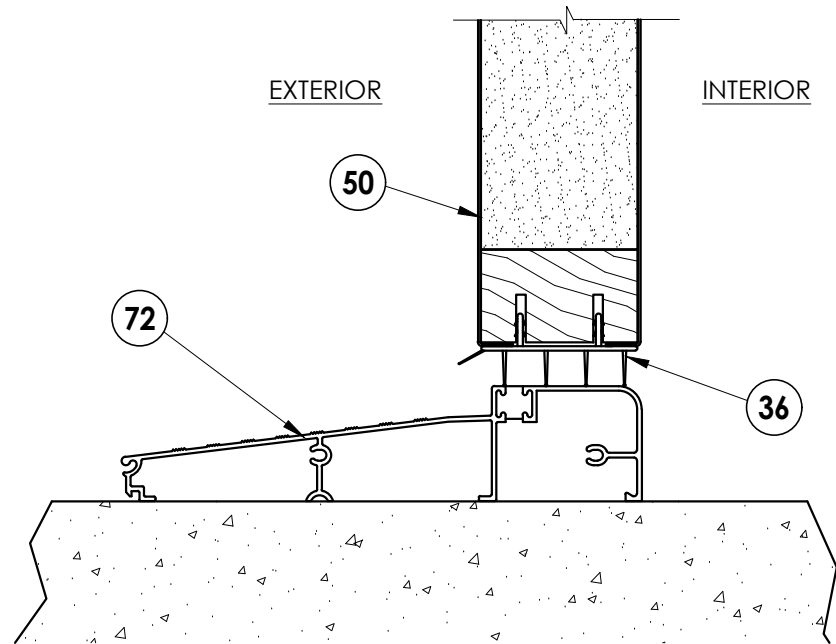
**2**  
**5** **VERTICAL CROSS SECTION**  
SHOWN W/ STEEL BUCK



**3**  
**5** **VERTICAL CROSS SECTION**  
SHOWN W/ OUTSWING BUMP FACE



**4**  
**5** **VERTICAL CROSS SECTION**  
SHOWN W/ ADA SILL



**5**  
**5** **VERTICAL CROSS SECTION**  
SHOWN W/ INSWING SADDLE

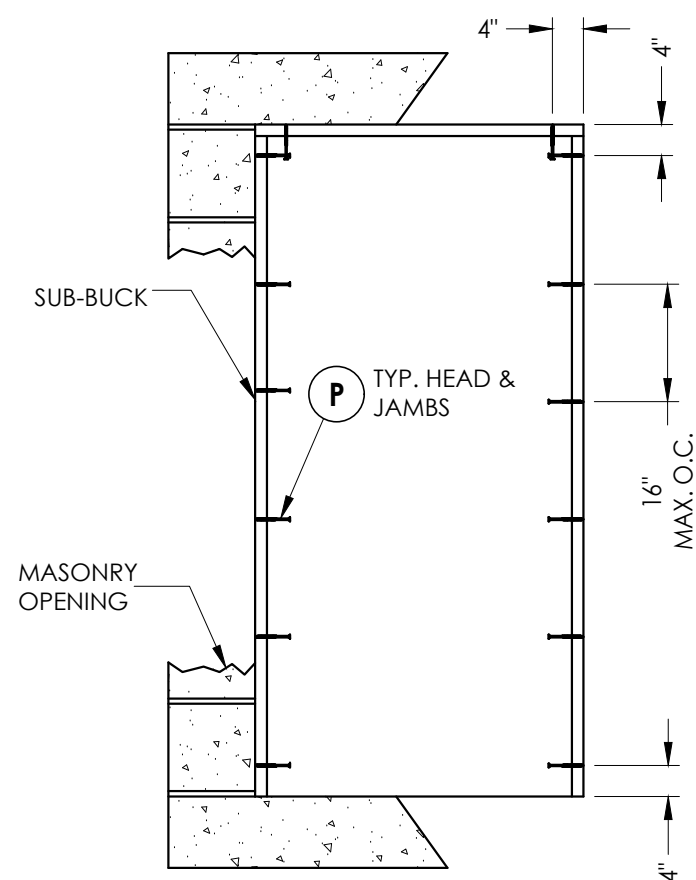
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|-------------------|--|----------------------------------------------|--|
| PRODUCT:          |  | DUNBARTON REDIFRAME<br>ONE-PIECE STEEL FRAME |  |
| PART OR ASSEMBLY: |  | VERTICAL<br>CROSS SECTIONS                   |  |

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 5   | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC |
| 4   | 7/06/23 | UPDATE TO 8TH ED. (2023) FBC |
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|     |         | BY                           |

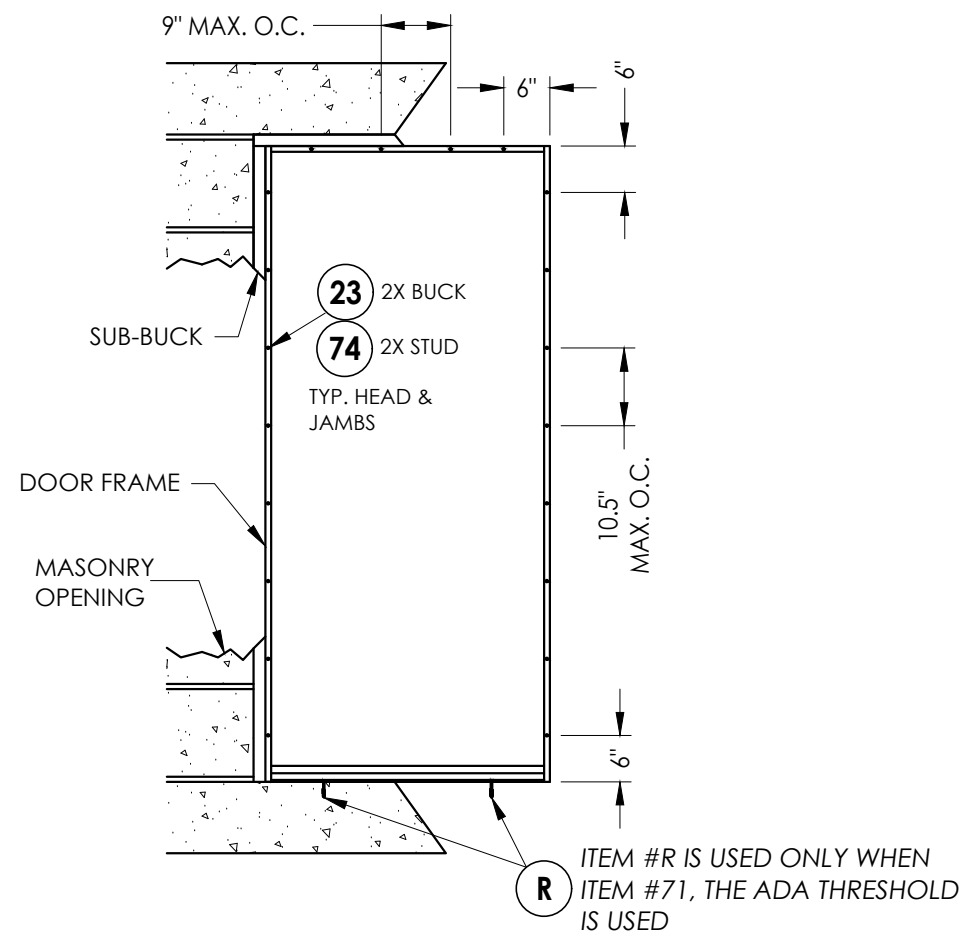
|              |            |
|--------------|------------|
| DATE:        | 3/14/12    |
| SCALE:       | N.T.S.     |
| DWG. BY:     | AL         |
| CHK. BY:     | LFS        |
| DRAWING NO.: | FL-15366.3 |
| SHEET        | 5 OF 8     |

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

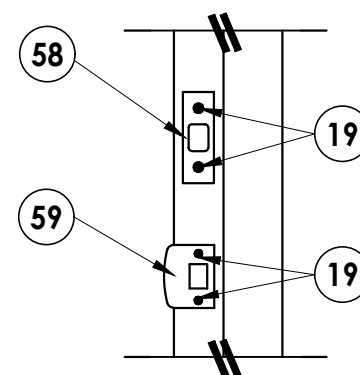
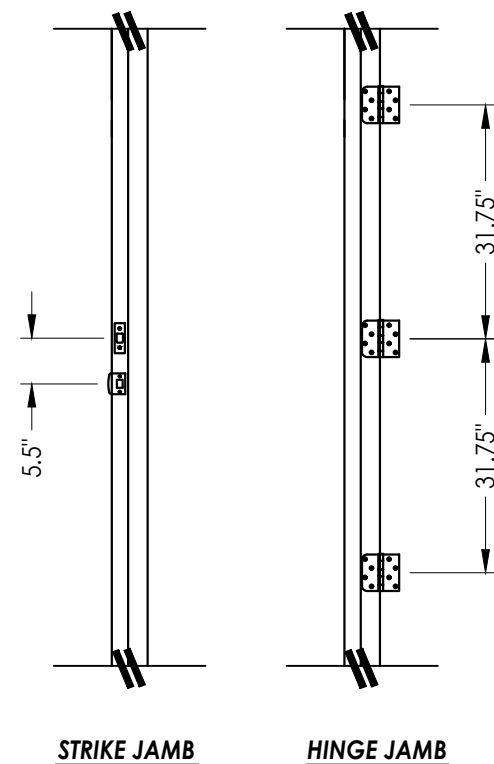
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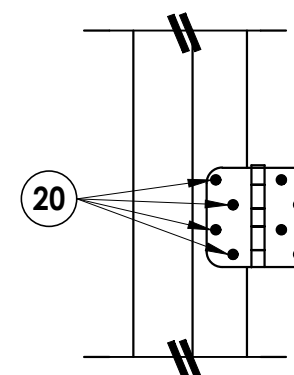
**BUCK ANCHORING**  
2X wood buck



**FRAME ANCHORING**  
Masonry 2X buck construction



### STRIKE PLATE DETAIL



### HINGE DETAIL 1

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 ULTRA-CON® | 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.

|     |         |                          |     |     |
|-----|---------|--------------------------|-----|-----|
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| 1   | 3/24/15 | UPDATE TO 5TH ED. (2014) | FBC | JK  |
| NO. | DATE    | REVISIONS                |     |     |

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FL-15366.3

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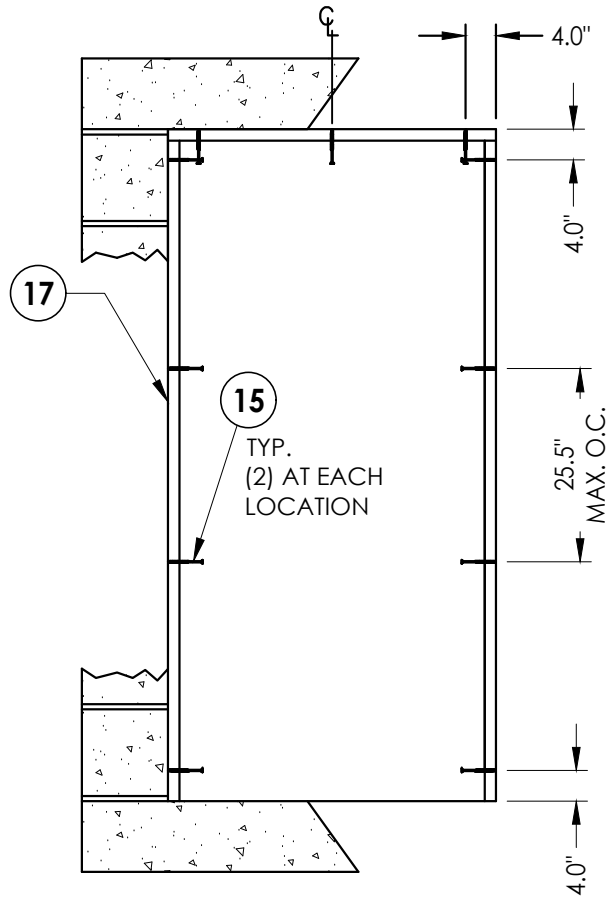
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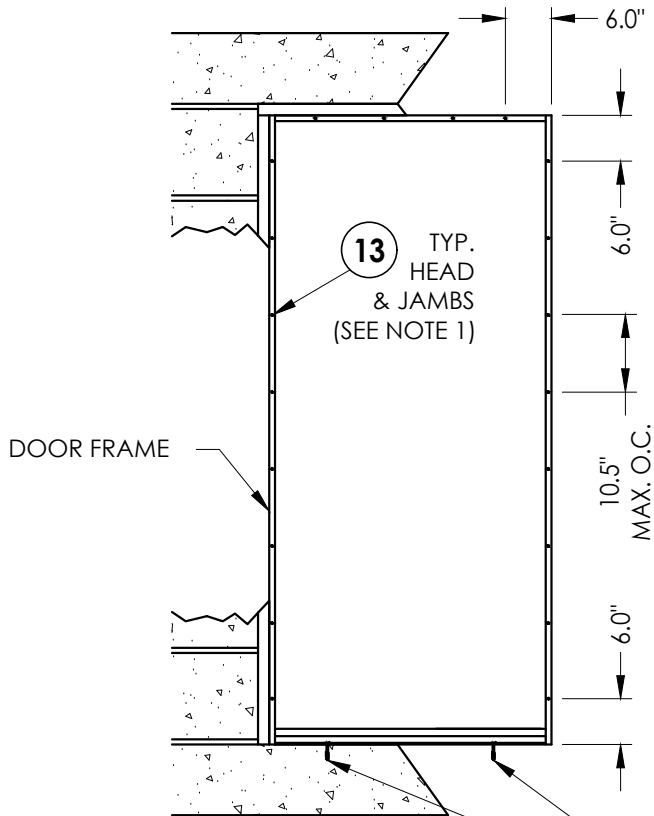
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NOTE:

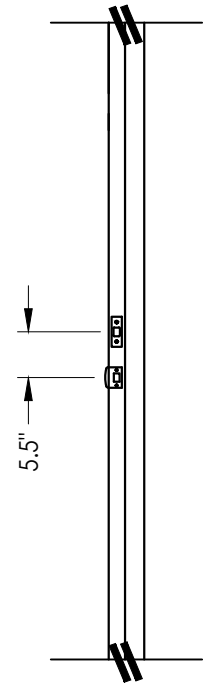
1. A minimum of 3 threads shall protrude through the steel stud buck substrate.



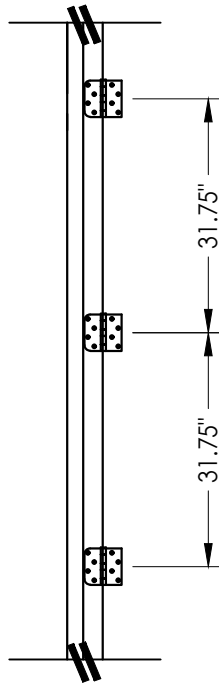
**BUCK ANCHORING**  
steel stud



**FRAME ANCHORING**  
Masonry steel buck construction

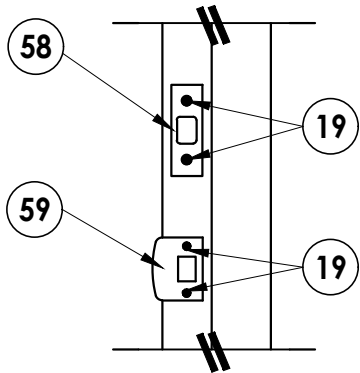


**STRIKE JAMB**

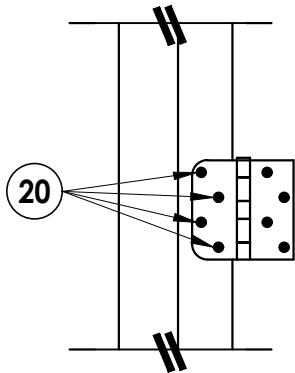


**HINGE JAMB**

**R** ITEM #R IS USED ONLY WHEN  
ITEM #71, THE ADA THRESHOLD  
IS USED



**STRIKE PLATE DETAIL**



**HINGE DETAIL 1**

**CONCRETE ANCHOR NOTES:**

1. Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.
2. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints. If 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" dimensions 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® | 3/16"       | 1-1/2"         | 3"                             | 2" (REDUCED)                      |

Documents Prepared By:  
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P.E. No. 43409

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FBPE Registry No. 9813

PRODUCT:  
DUNBARTON REDIFRAME  
ONE-PIECE STEEL FRAME

PART OR ASSEMBLY:  
BUCK & FRAME ANCHORING  
STEEL STUD

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
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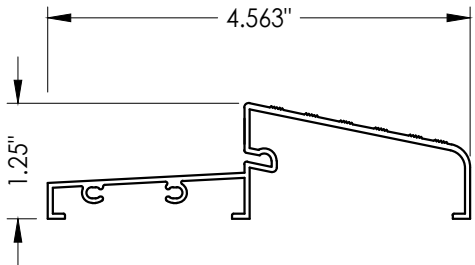
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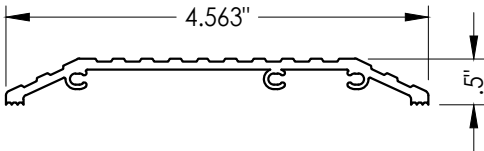
SHEET 7 OF 8

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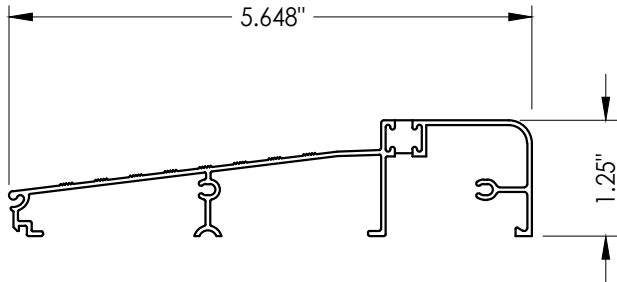
| BILL OF MATERIALS |                                                                                                                   |             |
|-------------------|-------------------------------------------------------------------------------------------------------------------|-------------|
| ITEM              | DESCRIPTION                                                                                                       | MATERIAL    |
| B                 | 2X BUCK SG >= 0.55                                                                                                | WOOD        |
| E                 | MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 OR ASTM A653 STEEL | CONCRETE    |
| P                 | 1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW                                                                    | STEEL       |
| R                 | 1/4" X 1-3/4" ITW PFH CONCRETE SCREW                                                                              | STEEL       |
| 13                | #10 X 3/4" HILTI KWIK-FLEX SELF-DRILLING SCREW                                                                    | STEEL       |
| 15                | 3/16" X 1-3/4" HWH ITW CONCRETE SCREW                                                                             | STEEL       |
| 17                | SSMA STUD 550S162-54 Fy = 33 ksi, Fu = 45 ksi                                                                     | STEEL       |
| 19                | #8 x 3/8" PFH MACHINE SCREW                                                                                       | STEEL       |
| 20                | 10-24 X 1/2" FLAT HEAD SCREW                                                                                      | STEEL       |
| 21                | #9 X 1.0" PFH WOOD SCREW                                                                                          | STEEL       |
| 22                | 4.0" X 4.0" BUTT HINGE                                                                                            | STEEL       |
| 23                | #6 X 1-1/4 PFH WOOD SCREW (1-1/8" MIN. EMBEDMENT)                                                                 | STEEL       |
| 29                | JAMB HINGE REIN. 14 GA. 4" x 4" x 1.53" (.075" GALV. STEEL) BY DUNBARTON FR00505                                  | STEEL       |
| 30                | COMPRESSION WEATHERSTRIPPING QLON QDS 650 BY SCHLEGEL                                                             | FOAM        |
| 36                | DOOR BOTTOM SWEEP by DUNBARTON                                                                                    | PVC         |
| 40                | REDIFRAME JAMB 22 GA. MIN. (.026" GALV. STEEL) BY DUNBARTON                                                       | STEEL       |
| 50                | STEEL DOOR PANEL - WOOD EDGE by JELD-WEN                                                                          | STEEL       |
| 51                | STILE - LATCH & HINGE PONDEROSA PINE                                                                              | WOOD        |
| 52                | PANEL FACE SHEET - 24 GA. GALVANIZED STEEL (MIN. 0.019" THK., Fy = 28,000 PSI MIN.)                               | STEEL       |
| 53                | LOCK REINFORCEMENT BLOCK                                                                                          | WOOD        |
| 54                | EPS CORE 1.25 LB. DENSITY                                                                                         | POLYSTYRENE |
| 55                | TOP RAIL - PONDEROSA PINE                                                                                         | WOOD        |
| 56                | BOTTOM RAIL (0.026" MIN. GALVANIZED STEEL)                                                                        | STEEL       |
| 58                | STRIKE PLATE - DEADBOLT                                                                                           | STEEL       |
| 59                | STRIKE PLATE - LATCHBOLT                                                                                          | STEEL       |
| 60                | EVERSEF LATCH w/ EVERSEF DEADBOLT                                                                                 | STEEL       |
| 61                | KWIKSET SERIES LATCH w/ KWIKSET SERIES (660) DEADBOLT                                                             | STEEL       |
| 62                | SCHLAGE LATCH (F SERIES) w/ SCHLAGE DEADBOLT (B60/62)                                                             | STEEL       |
| 70                | OUTSWING BUMP THRESHOLD by ENDURA                                                                                 | ALUM        |
| 71                | ADA THRESHOLD by ENDURA                                                                                           | ALUM        |
| 72                | INSWING FIXED THRESHOLD BY ENDURA                                                                                 | ALUM        |
| 73                | 2X FRAMING: SG >= 0.43                                                                                            | WOOD        |
| 74                | #8 x 1-3/4" PFH SMS (1-1/8" MIN. EMBEDMENT)                                                                       | STEEL       |



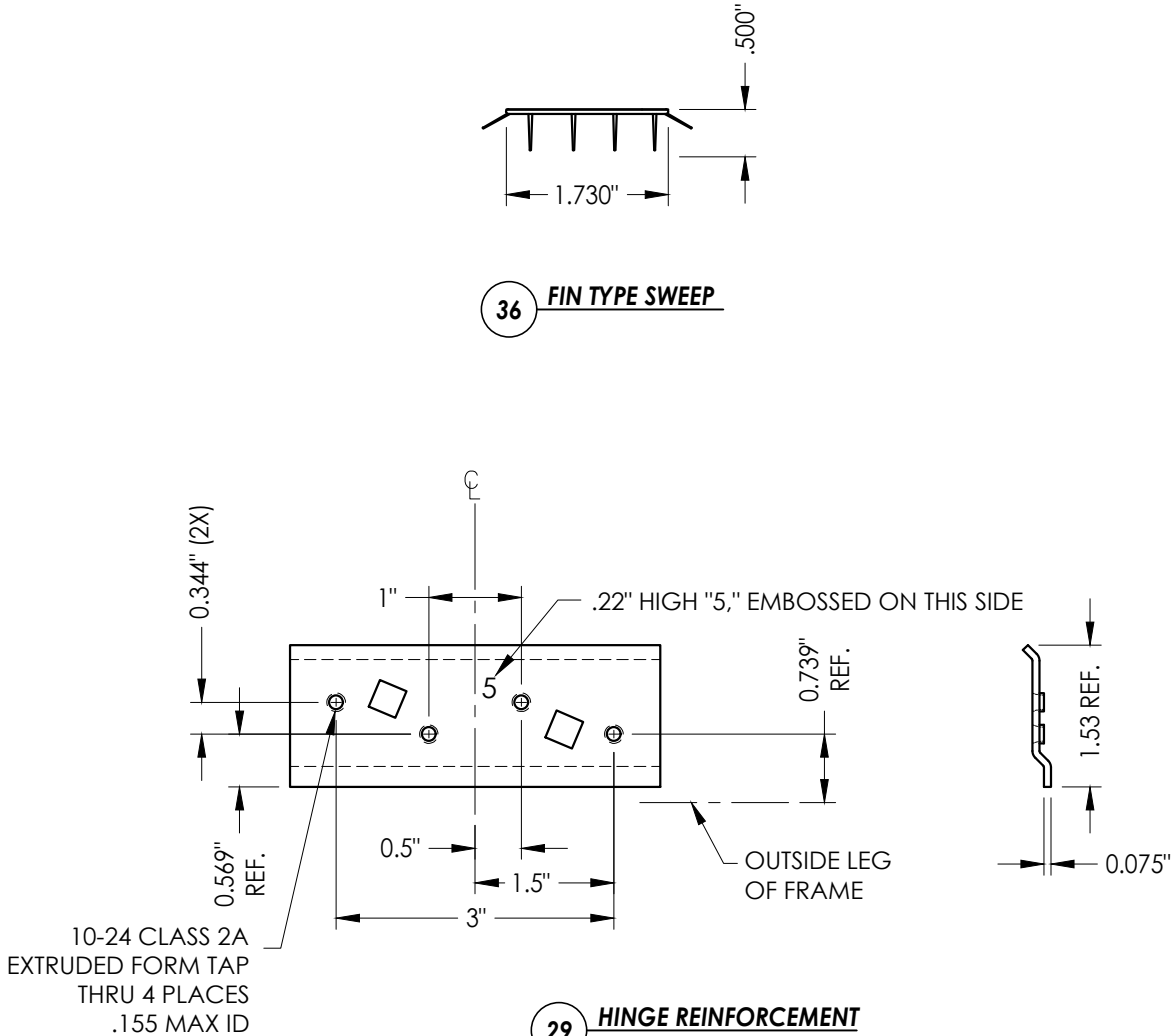
70 OUTSWING THRESHOLD



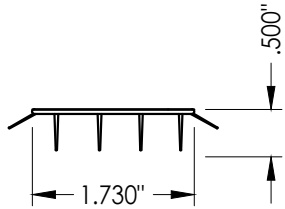
71 ADA SILL



72 INSWING ALUMINUM THRESHOLD



29 HINGE REINFORCEMENT



36 FIN TYPE SWEEP

|                                                               |         |                                                                                                                    |     |
|---------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------|-----|
| 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>DUNBARTON REDIFRAME<br>ONE-PIECE STEEL FRAME      |         | PART OR ASSEMBLY:<br>BILL OF MATERIAL<br>& COMPONENTS                                                              |     |
| 5                                                             | 7/01/26 | UPDATE TO 9TH ED. (2026)                                                                                           | FBC |
| 4                                                             | 7/06/23 | UPDATE TO 8TH ED. (2023)                                                                                           | FBC |
| 3                                                             | 8/12/20 | UPDATE TO 7TH ED. (2020)                                                                                           | FBC |
| 2                                                             | 9/29/17 | UPDATE TO 6TH ED. (2017)                                                                                           | FBC |
| 1                                                             | 3/24/15 | UPDATE TO 5TH ED. (2014)                                                                                           | FBC |
| NO.                                                           | DATE    | REVISIONS                                                                                                          |     |
| DATE: 3/14/12                                                 |         |                                                                                                                    |     |
| SCALE: N.T.S.                                                 |         |                                                                                                                    |     |
| DWG. BY: AL                                                   |         |                                                                                                                    |     |
| CHK. BY: LFS                                                  |         |                                                                                                                    |     |
| DRAWING NO.: FL-15366.3                                       |         |                                                                                                                    |     |
| SHEET 8 OF 8                                                  |         |                                                                                                                    |     |