

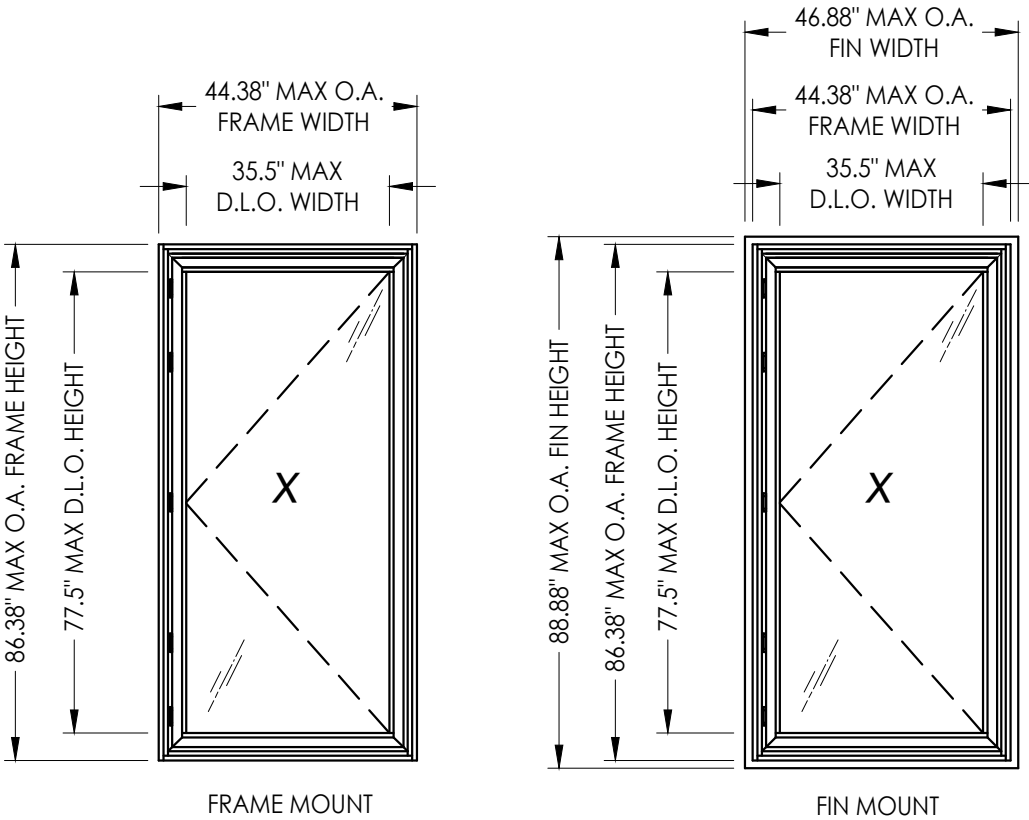


Series 3800-T w/ Series 350-T  
Aluminum Casement Window  
w/ Thermal Break Frame  
(WET GLAZED)  
"IMPACT"

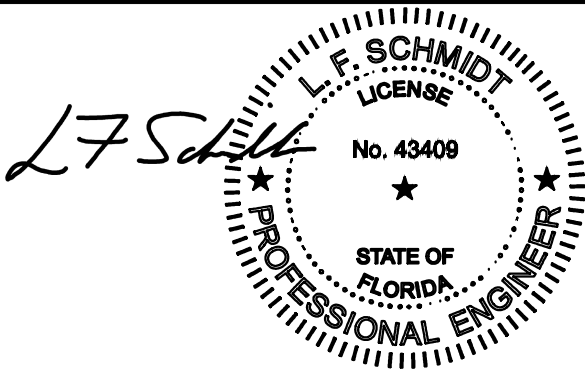
GENERAL NOTES

- 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 Florida Building Code 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. This product meets water infiltration requirements for "HVHZ".
- 8. Gaskets and setting blocks shall comply with Section 2411.3.4 of the FBC.
- 9. Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.

| TABLE OF CONTENTS |                                                      |
|-------------------|------------------------------------------------------|
| SHEET#            | DESCRIPTION                                          |
| 1                 | Typical elevations, design pressures & general notes |
| 2                 | Elevations                                           |
| 3                 | Horizontal & vertical cross sections                 |
| 4                 | Horizontal & vertical cross sections                 |
| 5                 | Vertical cross section                               |
| 6                 | Buck & frame anchoring                               |
| 7                 | Hardware details                                     |
| 8                 | Glazing details                                      |
| 9                 | Bill of materials & components                       |



| OVERALL<br>FIN<br>DIMENSION | OVERALL<br>FRAME<br>DIMENSION | OVERALL<br>D.L.O.<br>DIMENSION | GLASS TYPE | DESIGN PRESSURE (PSF) |          |
|-----------------------------|-------------------------------|--------------------------------|------------|-----------------------|----------|
|                             |                               |                                |            | POSITIVE              | NEGATIVE |
| 46.88" X 88.88"             | 44.38" X 86.38"               | 33.5" X 77.5"                  | G1, G2, G3 | +65.0                 | -65.0    |



Digitally signed by Lyndon F Schmidt  
Date: 2026.07.06 11:33:22 -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:  
FLEETWOOD WINDOWS & DOORS

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

REVISIONS

|     |         |                          |     |     |
|-----|---------|--------------------------|-----|-----|
| 2   | 7/02/26 | UPDATE TO 9TH ED. (2026) | FBC | LFS |
| 1   | 7/12/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS |
| NO. | DATE    |                          |     | BY  |

DATE: 12/01/21

SCALE: N.T.S.

DWG. BY: LFS

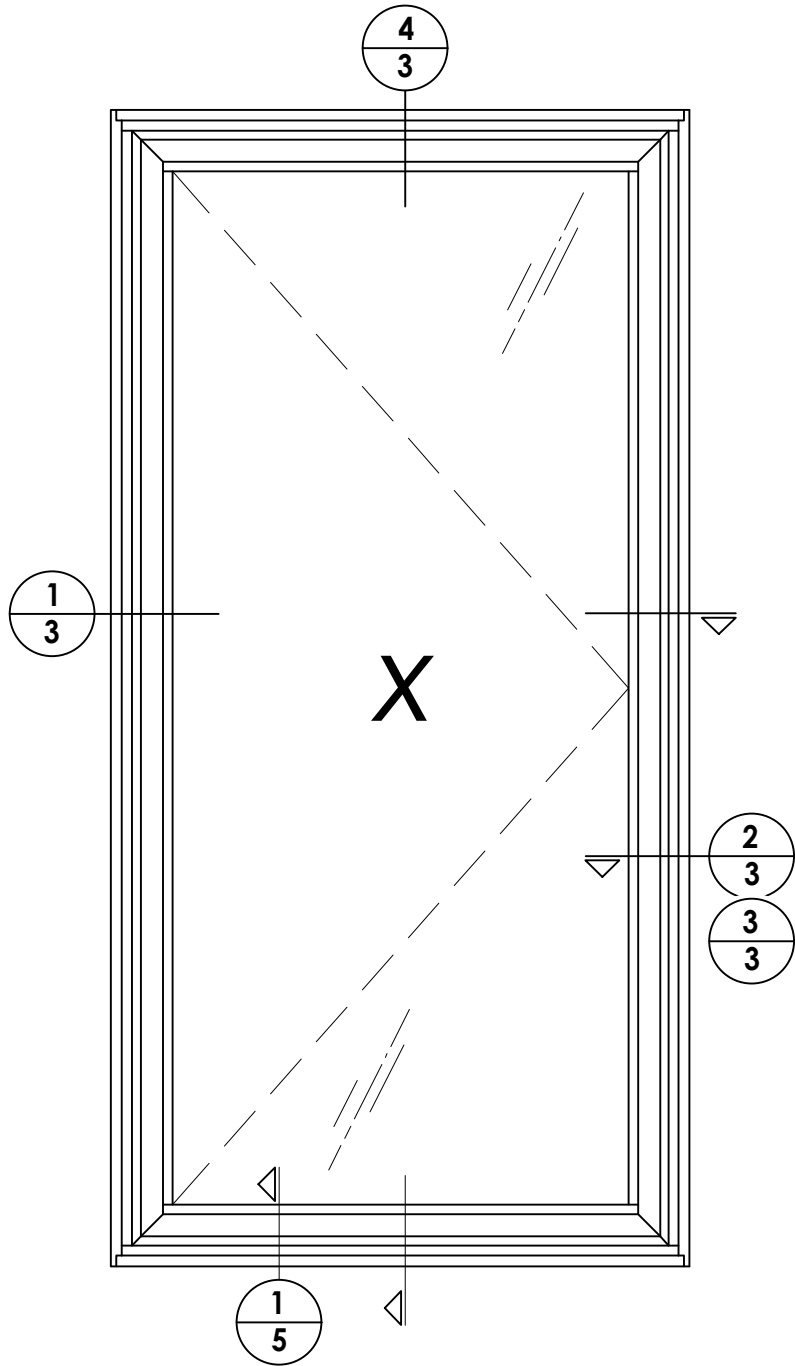
CHK. BY: RW

DRAWING NO.: FL-14904.12

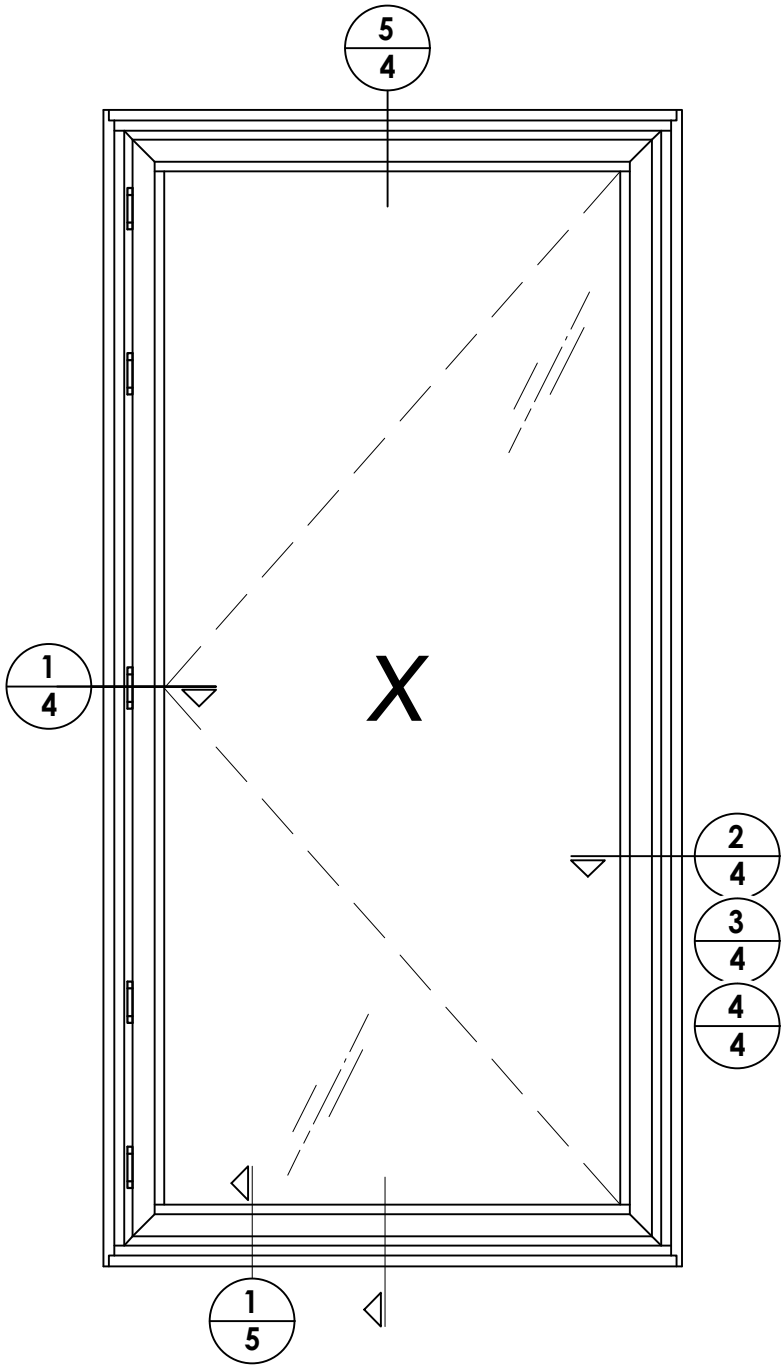
SHEET 1 OF 9

Building Consultants, Inc.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

© 2021 R.W. BUILDING CONSULTANTS INC.



4-BAR HINGE



BUTT HINGE

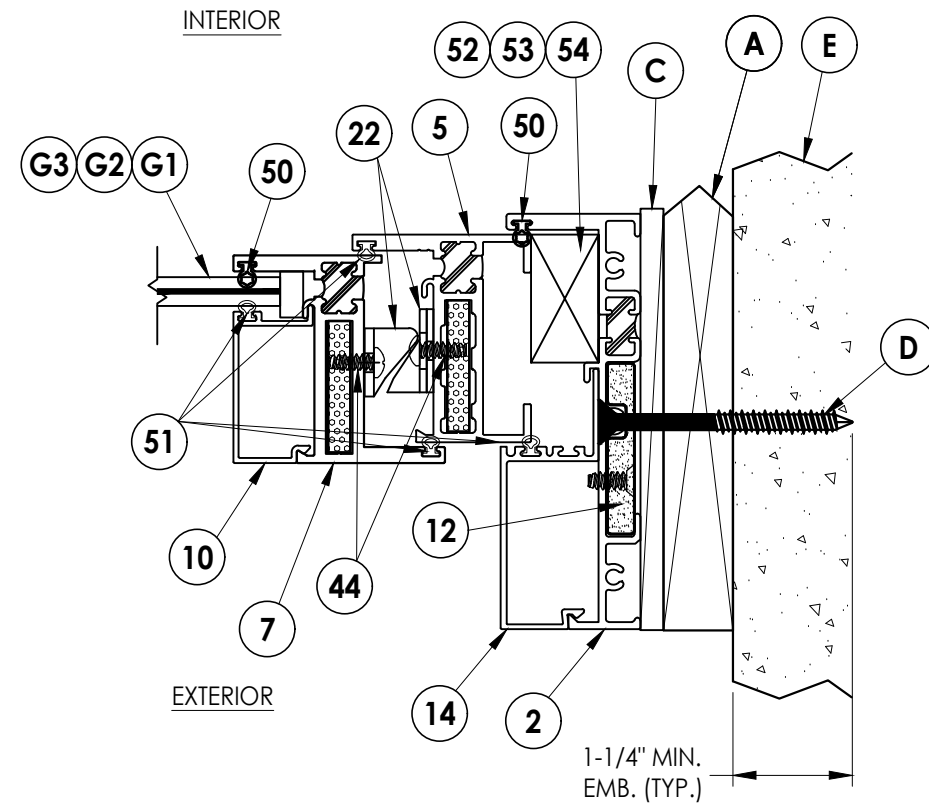
|              |             |
|--------------|-------------|
| DATE:        | 12/01/21    |
| SCALE:       | N.T.S.      |
| DWG. BY:     | LFS         |
| CHK. BY:     | RW          |
| DRAWING NO.: | FL-14904.12 |
| SHEET        | 2 OF 9      |

| REVISIONS |         |                              |     |
|-----------|---------|------------------------------|-----|
| NO.       | DATE    | DESCRIPTION                  | BY  |
| 2         | 7/02/26 | UPDATE TO 9TH ED. (2026) FBC | LFS |
| 1         | 7/12/23 | UPDATE TO 8TH ED. (2023) FBC | LFS |

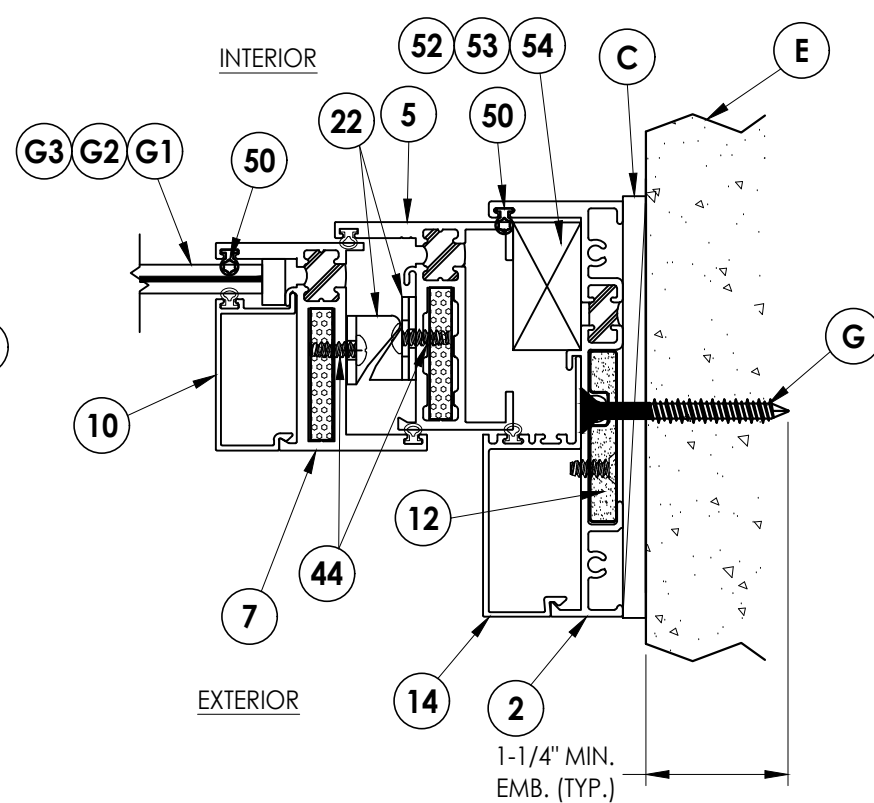
|                   |                           |
|-------------------|---------------------------|
| PRODUCT:          | FLEETWOOD WINDOWS & DOORS |
| PART OR ASSEMBLY: | ELEVATIONS                |

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

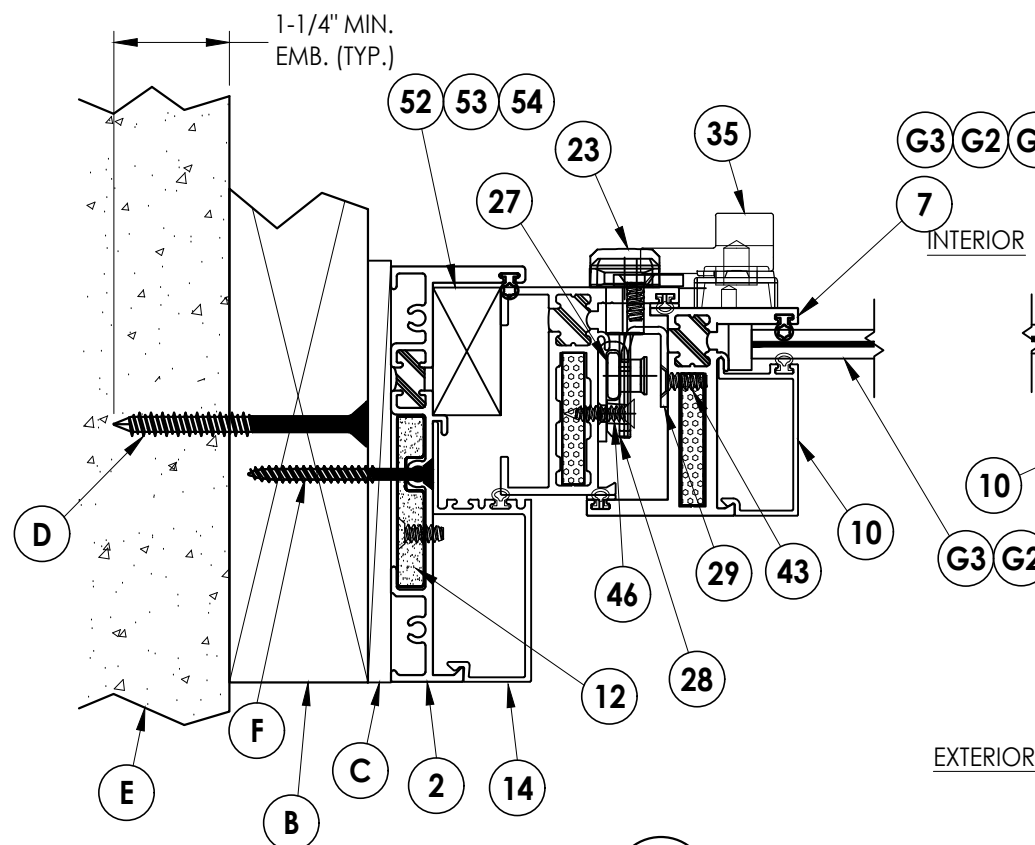
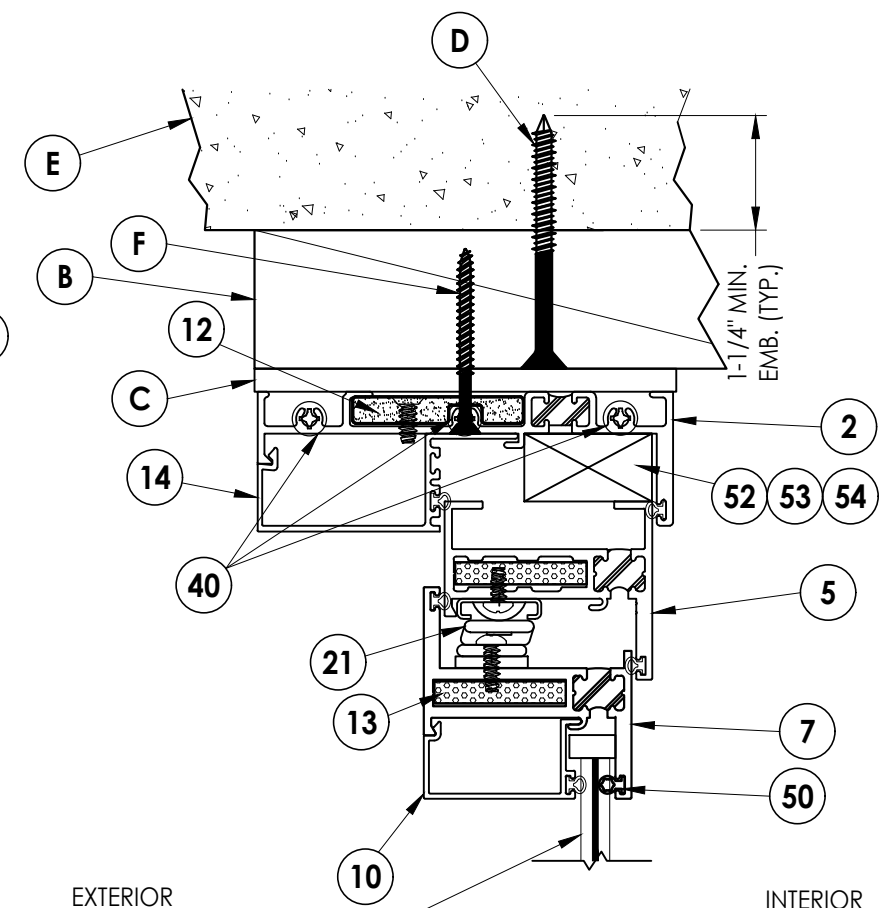
**BUILDING CONSULTANTS, INC.**  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813



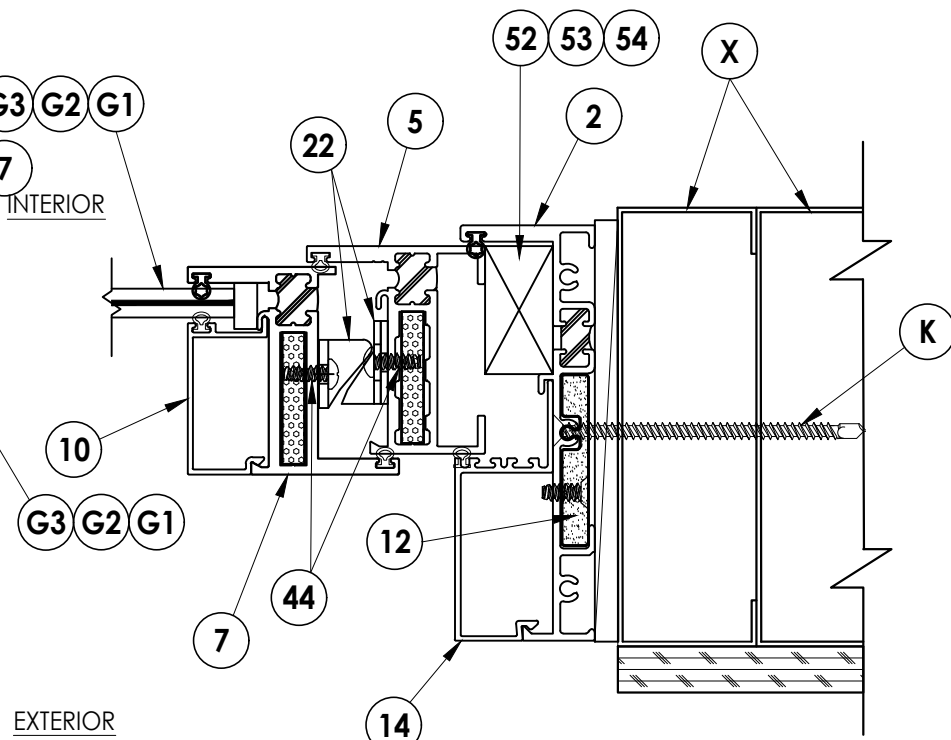
**2 HORIZONTAL CROSS SECTION**  
**3** Shown w/ 1X Sub buck option



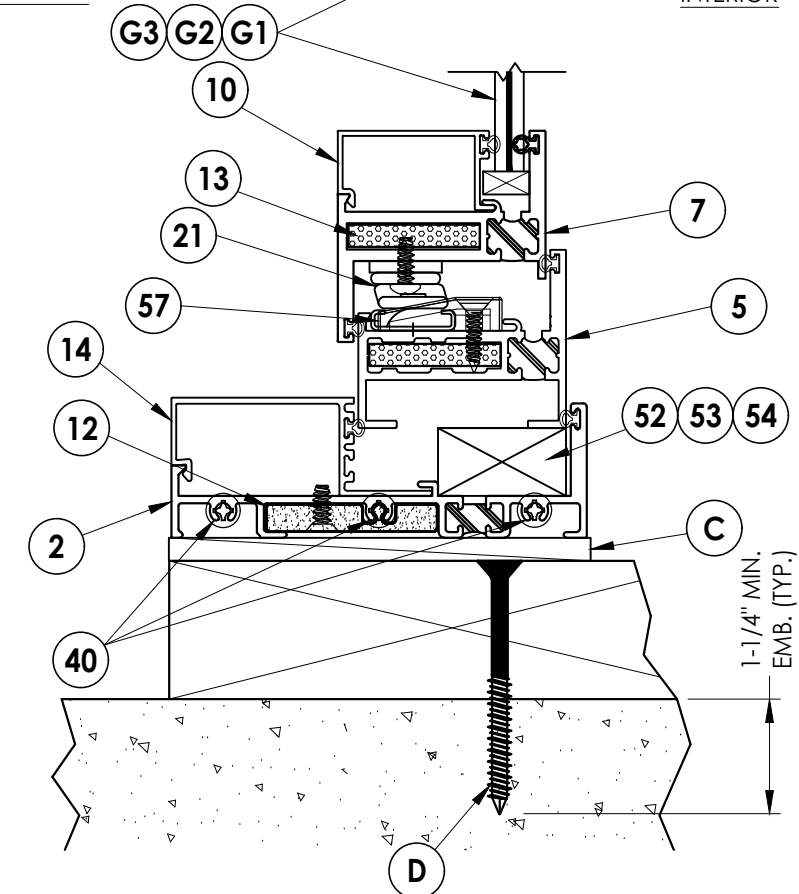
**3** **HORIZONTAL CROSS SECTION**  
**3** Shown w/ Direct to Masonry option



### 1 HORIZONTAL CROSS SECTION



NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal.



**4** **VERTICAL CROSS SECTION**  
**3** Shown w/ 2X Buck Construction

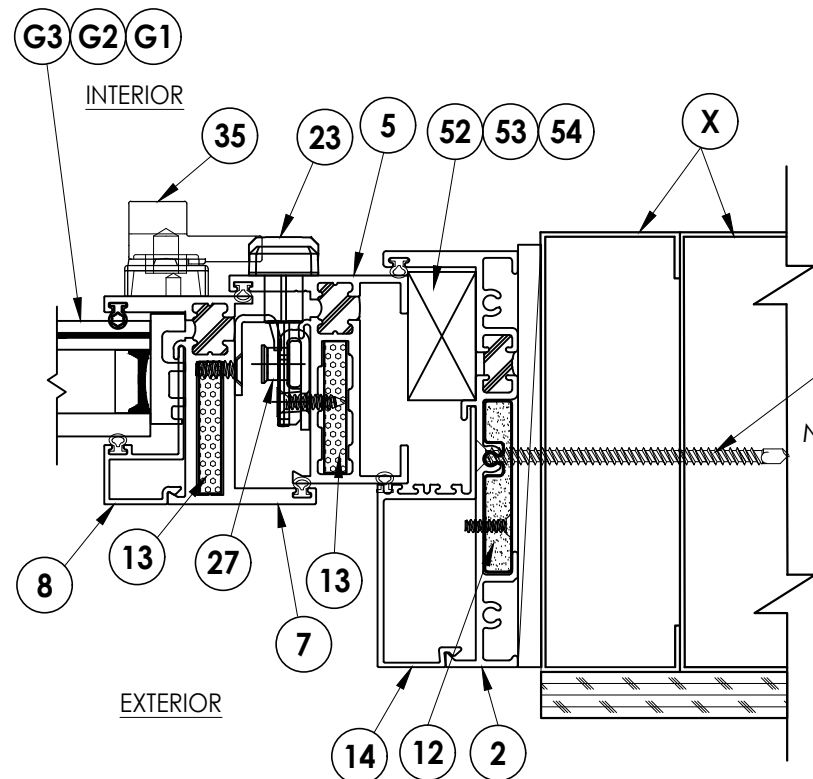
[illegible]

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

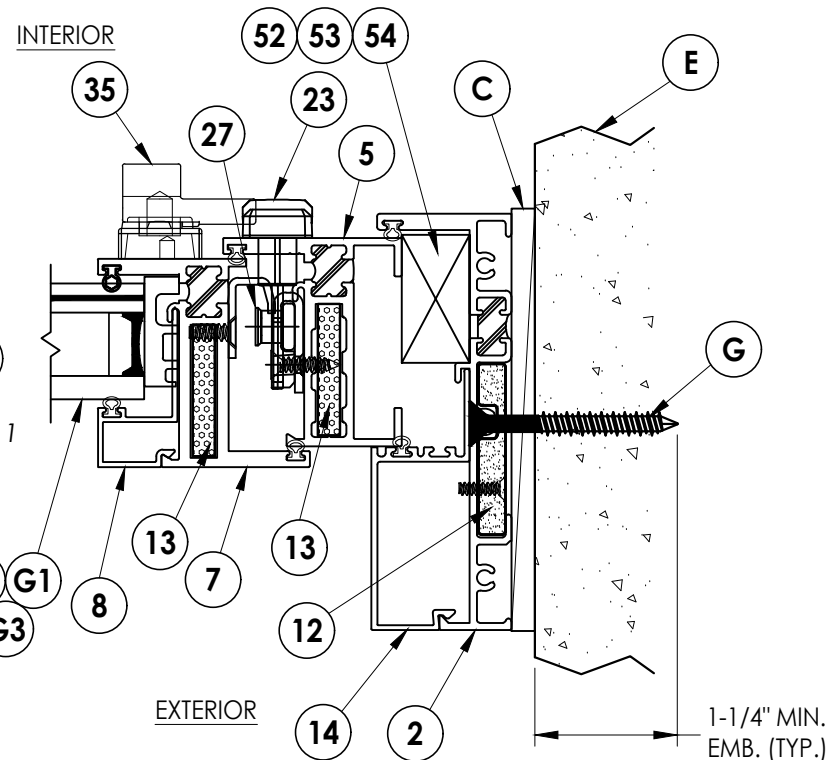
***R<sup>W</sup>*** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

© 2021 R.W. BUILDING CONSULTANTS INC.

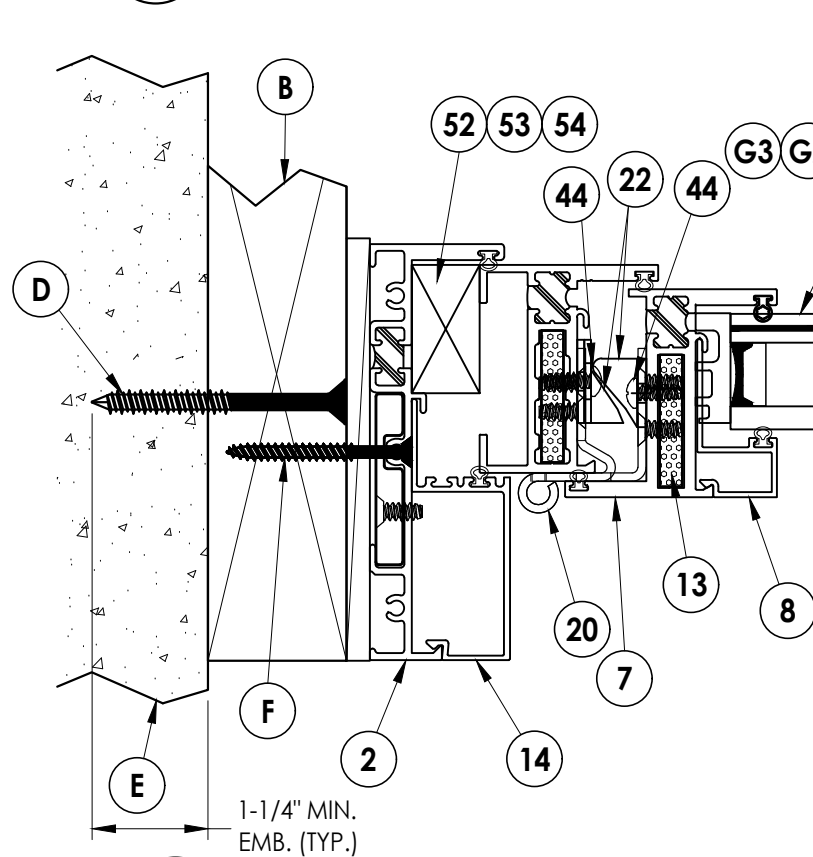
Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14904 R10 Casement\FL-14904.12.dwg



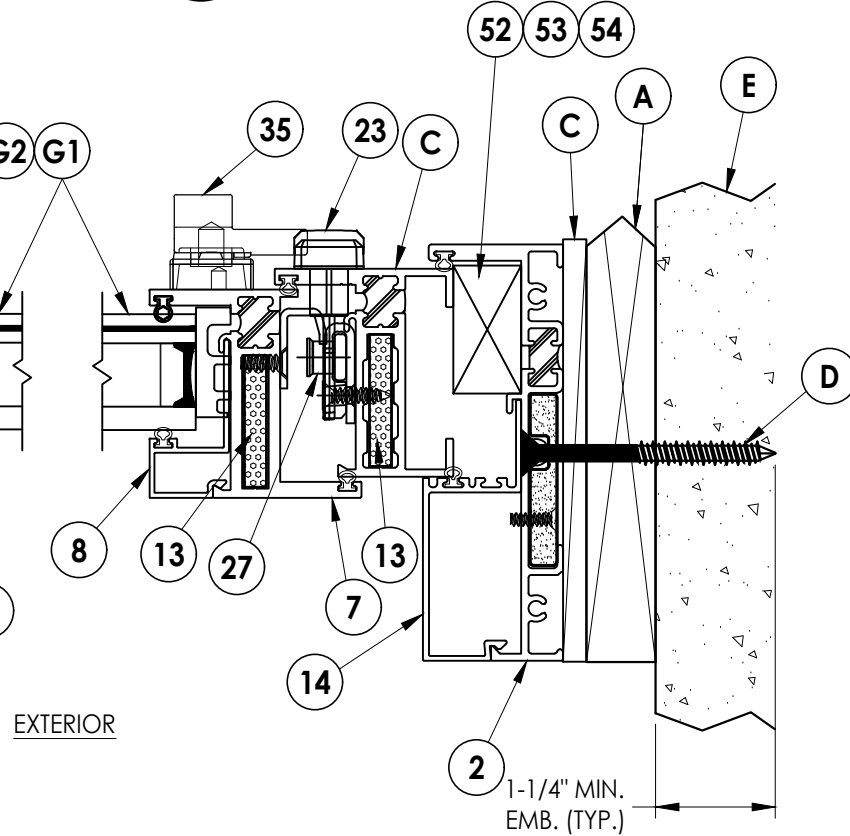
**3** **HORIZONTAL CROSS SECTION**  
**4** Shown w/ Steel Stud option



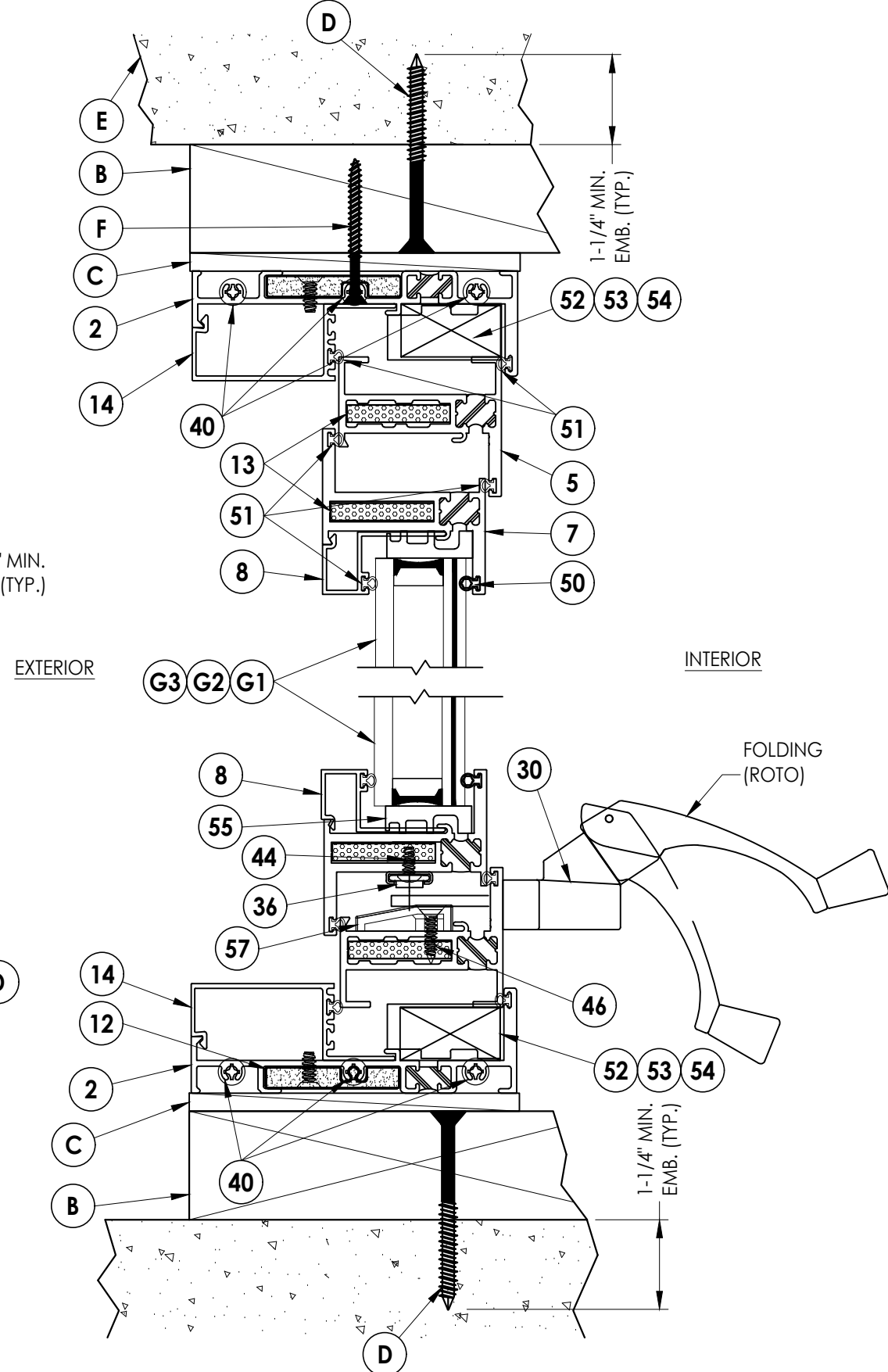
**4** **HORIZONTAL CROSS SECTION**  
**4** Shown w/ Direct to Masonry option



**1** **HORIZONTAL CROSS SECTION**  
**4** Shown w/ 2X Buck Construction



**2** **HORIZONTAL CROSS SECTION**  
**4** Shown w/ 1X Sub buck option



**5** **VERTICAL CROSS SECTION**  
**4** Shown w/ 2X Buck Construction

NOTE:

1. Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal.

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:  
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:  
HORIZONTAL & VERTICAL  
CROSS SECTIONS

| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
| 2   | 7/02/26 | UPDATE TO 9TH ED. (2026) FBC LFS |
| 1   | 7/12/23 | UPDATE TO 8TH ED. (2023) FBC LFS |

DATE: 12/01/21

SCALE: N.T.S.

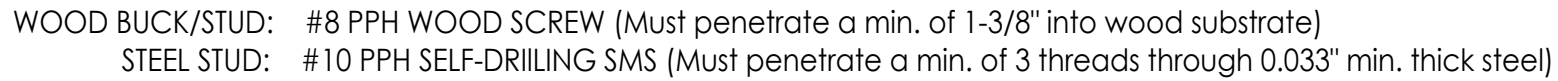
DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-14904.12

SHEET 4 OF 9

[illegible]

**RW**  
BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

$$RW$$

**Reid, Building Consultants, Inc.**

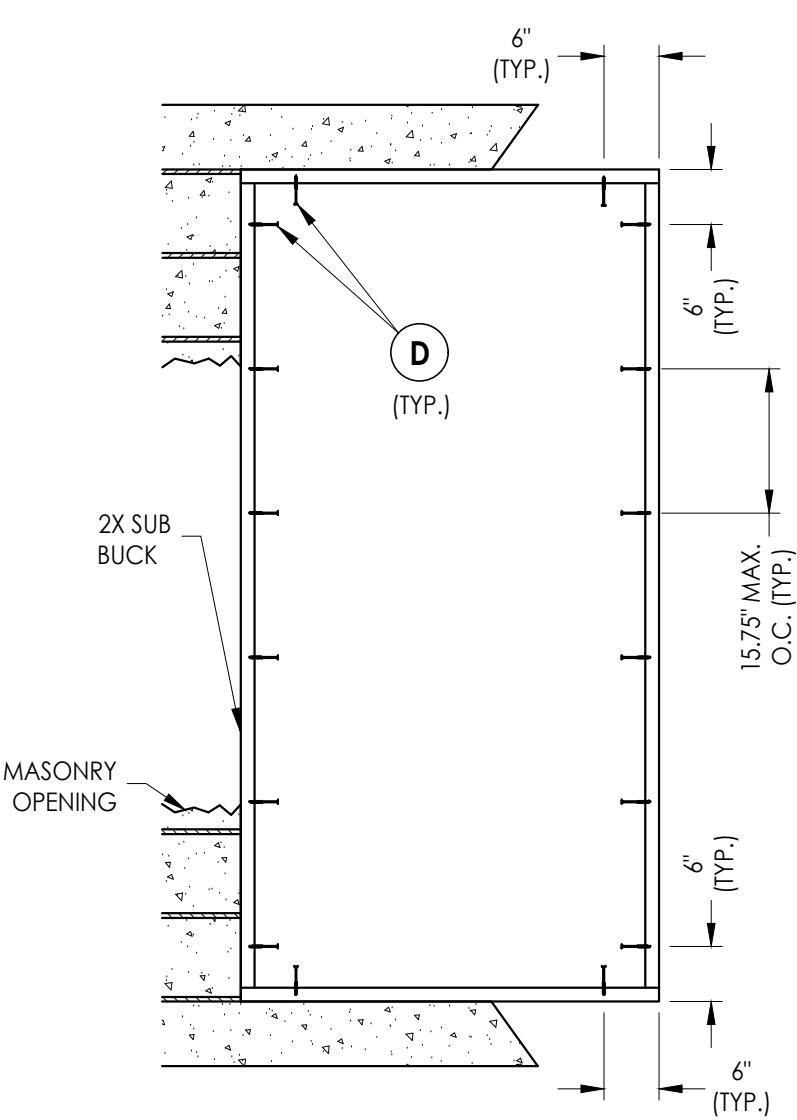
P.O. Box 230, Valrico, FL 33595

Phone No.: 813.639.9197  
 Date: Nov 03 13

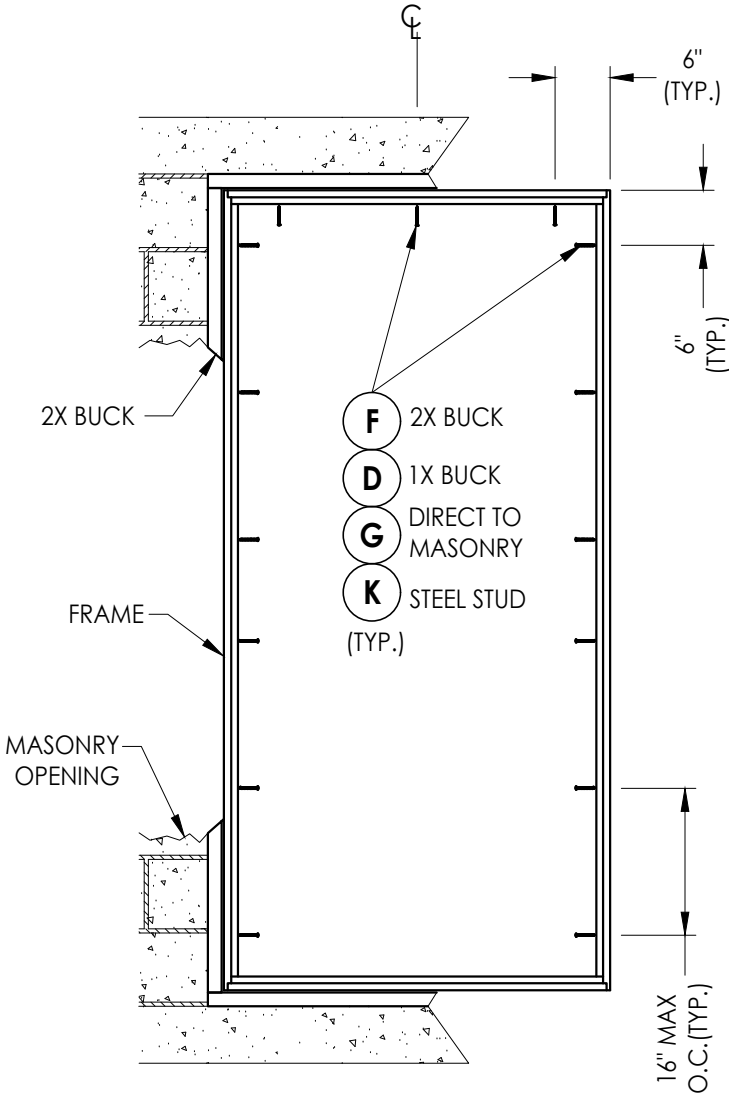
FBPE Registry No. 9813

© 2021 R.W. BUILDING CONSULTANTS INC.

Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14904 R10 Casement\FL-14904.12.dwg



2X BUCK ANCHORING



FRAME MOUNT ANCHORING

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.

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:  
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:  
BUCK & FRAME ANCHORING

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 2   | 7/02/26 | UPDATE TO 9TH ED. (2026) FBC |
| 1   | 7/12/23 | UPDATE TO 8TH ED. (2023) FBC |
|     |         |                              |

DATE: 12/01/21

SCALE: N.T.S.

DWG. BY: LFS

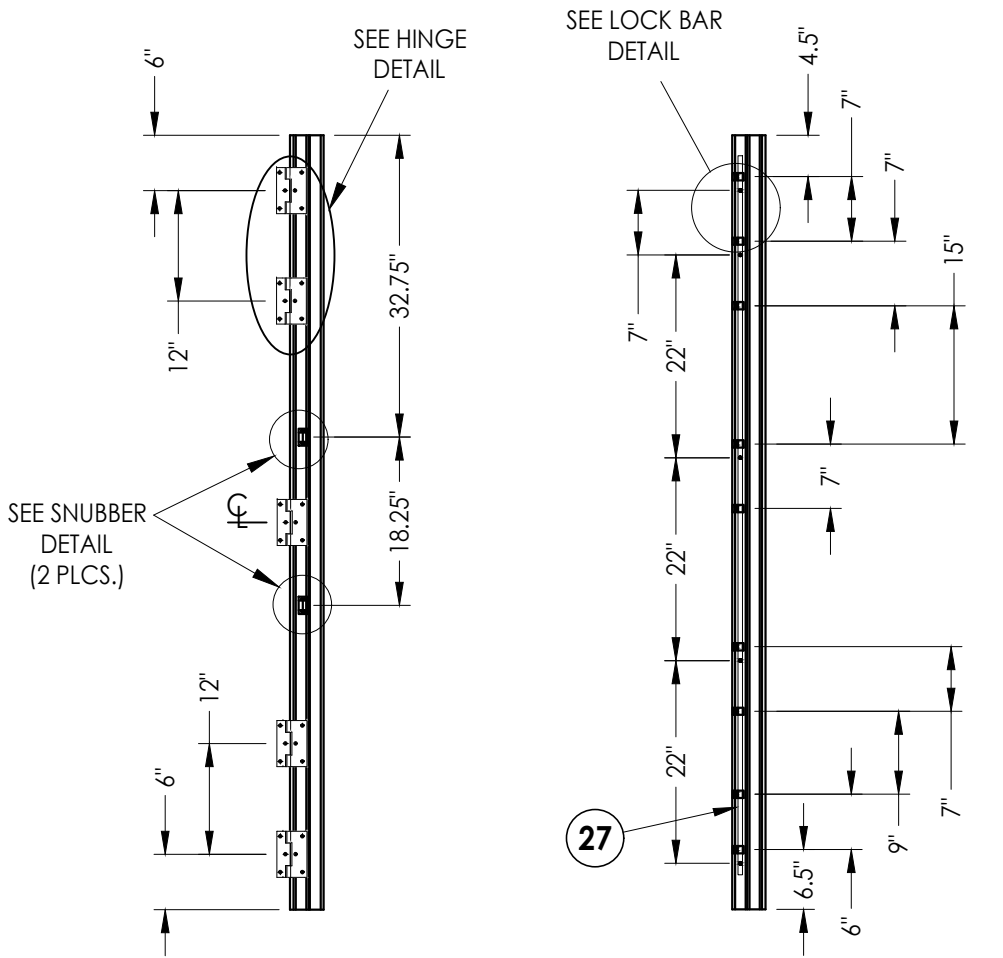
CHK. BY: RW

DRAWING NO.:

FL-14904.12

SHEET 6 OF 9

Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14904 R10 Casement\FL-14904.12.dwg

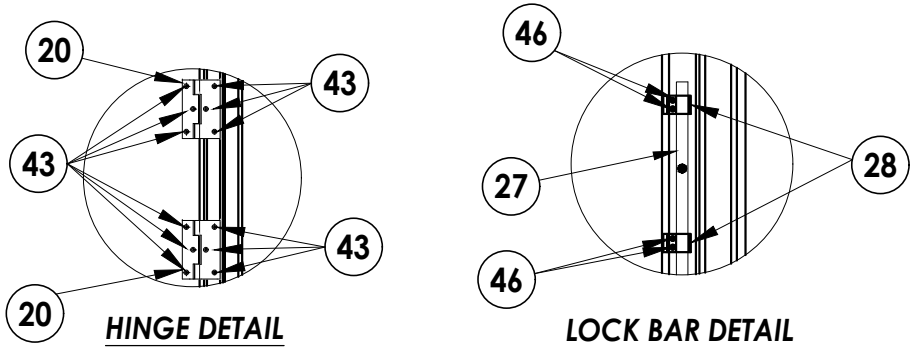


**HINGE JAMB**

**LOCK JAMB**

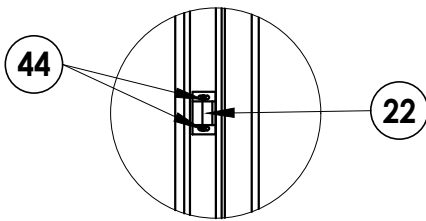
LOCKING POINTS (5)

**BUTT HINGES w/ MULTIPOINT LOCKING BAR**

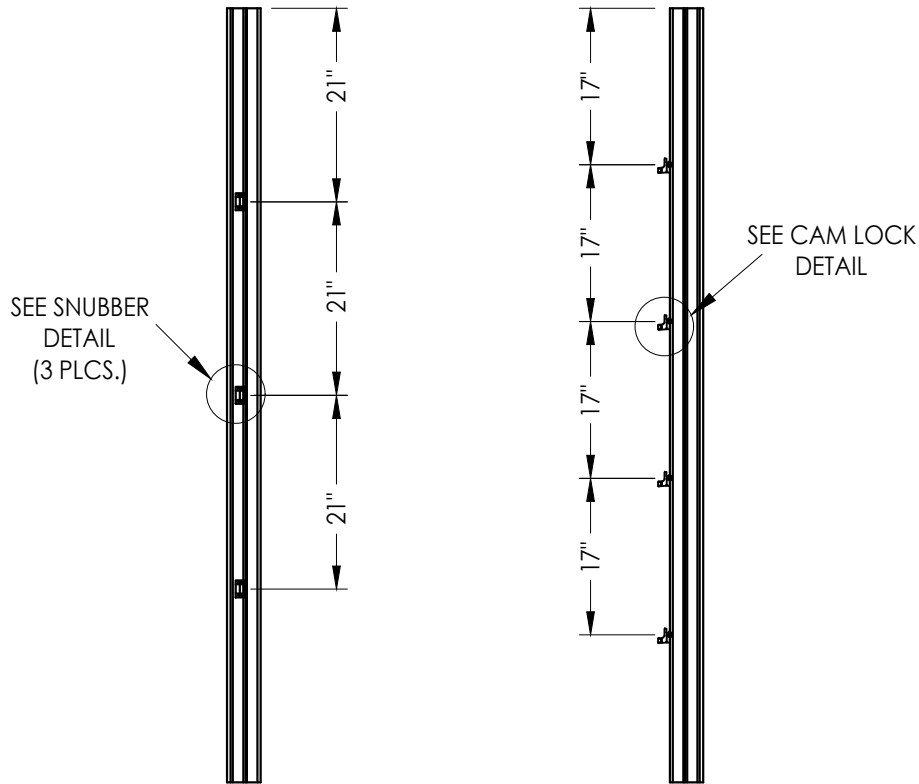


**HINGE DETAIL**

**LOCK BAR DETAIL**



**SNUBBER DETAIL**



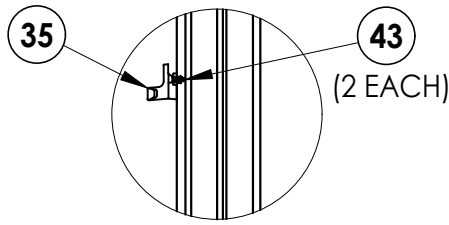
**SNUBBERS JAMB**

**LOCK JAMB**

CAM LOCKING POINTS (4)

**4 POINT HINGE w/ CAM LOCKS**

NOTE: Cam locks can be used in conjunction with the multipoint lock or in lieu of the multipoint lock.



**CAM LOCK DETAIL**

DATE: 12/01/21

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-14904.12

SHEET 7 OF 9

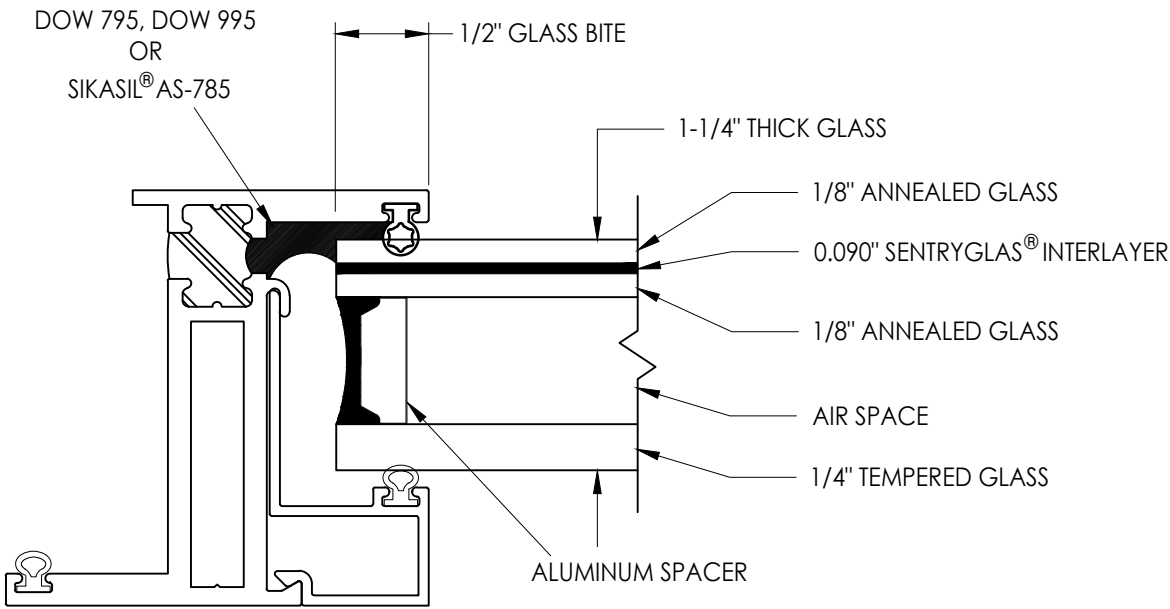
PRODUCT:  
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:  
HARDWARE DETAILS

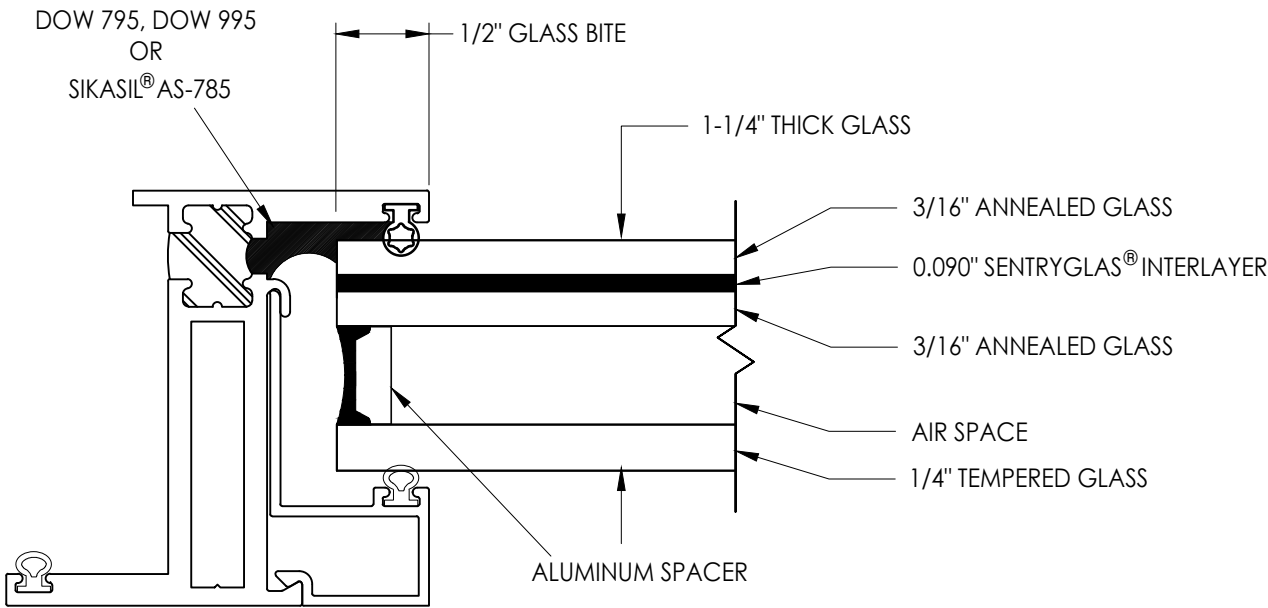
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

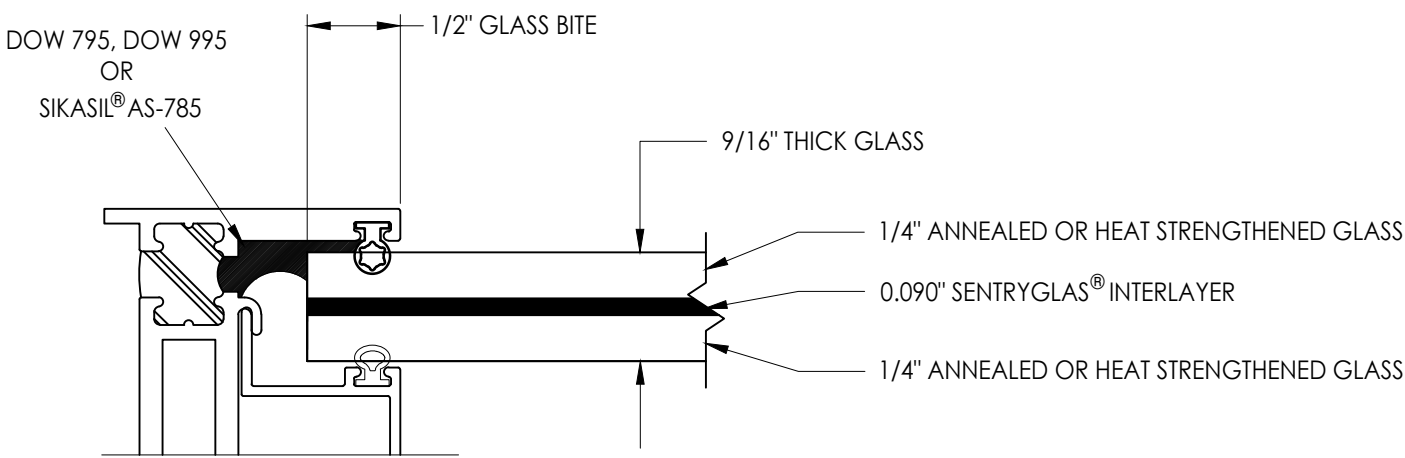
Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14904 R10 Casement\FL-14904.12.dwg



**G1** GLAZING DETAIL



**G2** GLAZING DETAIL



**G3** GLAZING DETAIL

NOTE: GLAZING > 36" WIDE REQUIRES AT LEAST TWO (2) SETTING BLOCKS CONFORMING TO FBC SECTION 2411.3.3.1.

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

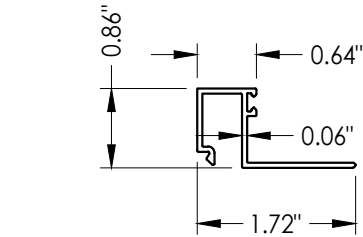
PRODUCT:  
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:  
GLAZING DETAILS

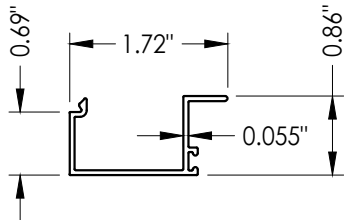
| NO. | DATE    | REVISIONS                |     |             |
|-----|---------|--------------------------|-----|-------------|
|     |         | DATE                     | BY  | DESCRIPTION |
| 2   | 7/02/26 | UPDATE TO 9TH ED. (2026) | FBC | LFS         |
| 1   | 7/12/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS         |

DATE: 12/01/21  
SCALE: N.T.S.  
DWG. BY: LFS  
CHK. BY: RW  
DRAWING NO.: FL-14904.12  
SHEET 8 OF 9

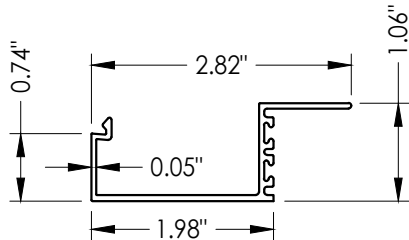
| BILL OF MATERIALS |                                                                                                |              |
|-------------------|------------------------------------------------------------------------------------------------|--------------|
| ITEM #            | DESCRIPTION                                                                                    | 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" DeWALT OR ITW PFH CONCRETE SCREW                                                 | STEEL        |
| E                 | MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 | CONCRETE     |
| F                 | #10 X 2" PPH WOOD SCREW (1-1/4" MIN. EMBEDMENT)                                                | STEEL        |
| G                 | 1/4" x 2-1/4" DeWALT OR ITW PFH CONCRETE SCREW                                                 | STEEL        |
| K                 | #10 PPH SELF-DRILLING SMS                                                                      | STEEL        |
| L                 | #8 PPH WS (1-3/8" MIN. EMBEDMENT)                                                              | STEEL        |
| M                 | #8 X 1-1/2" PPH SMS (1-3/8" MIN. EMBEDMENT)                                                    | STEEL        |
| X                 | STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)                    | STEEL        |
| 1                 | FIN BLOCK FRAME (3800-T)                                                                       | 6063-T6 ALUM |
| 2                 | BLOCK FRAME (3800-T)                                                                           | 6063-T6 ALUM |
| 3                 | THERMAL BREAK ("LIQUID POLYURETHANE" by Azon USA, Inc.)                                        | -            |
| 5                 | BLOCK FRAME (350-T)                                                                            | 6063-T6 ALUM |
| 7                 | ZEE BAR (PANEL)                                                                                | 6063-T6 ALUM |
| 8                 | GLASS STOP (1-1/4")                                                                            | 6063-T6 ALUM |
| 10                | GLASS STOP (9/16")                                                                             | 6063-T6 ALUM |
| 12                | SHEAR BLOCK                                                                                    | 6061-T6 ALUM |
| 13                | CORNER KEY                                                                                     | 6063-T6 ALUM |
| 14                | INSERT STOP                                                                                    | 6063-T6 ALUM |
| 20                | SS. BUTT HINGE                                                                                 | SS           |
| 21                | 4 BAR HINGE                                                                                    | SS           |
| 22                | SNUBBER-COMMERCIAL PULL-IN BLOCK                                                               | SS           |
| 23                | MULTIPOINT LOCK HANDLE                                                                         | SS           |
| 27                | 5 POINTS LOCKING BAR (TRUTH)                                                                   | SS           |
| 28                | TIE BAR GUIDE (TRUTH)                                                                          | -            |
| 29                | KEEPER (TRUTH)                                                                                 | SS           |
| 30                | CASEMENT ROTOR GEAR (TRUTH)                                                                    | SS           |
| 35                | CAM HANDLE / STRIKE PLATE                                                                      | SS           |
| 36                | CASEMENT SS. TRACK (TRUTH)                                                                     | SS           |
| 40                | #10 X 1" PPH SMS                                                                               | STEEL        |
| 43                | SCREW NO 10 , UFHP .5"                                                                         | STEEL        |
| 44                | SCREW NO 8, PHP, .50"                                                                          | STEEL        |
| 46                | SCREW NO 8, FHP, .750"                                                                         | STEEL        |
| 50                | BULB VINYL (EPDM 70 DUROMETER) - TREMCO                                                        | -            |
| 51                | MINI BULB VINYL (EPDM 70 DUROMETER) - TREMCO                                                   | -            |
| 52                | WOOD BLOCK (3/4" X 1-1/4")                                                                     | -            |
| 53                | ALUMINUM BLOCK (3/4" X 1-1/4")                                                                 | -            |
| 54                | PVC BLOCK (3/4" X 1-1/4")                                                                      | -            |
| 55                | SETTING BLOCK                                                                                  | -            |
| 57                | PIVOT SHIM                                                                                     | -            |



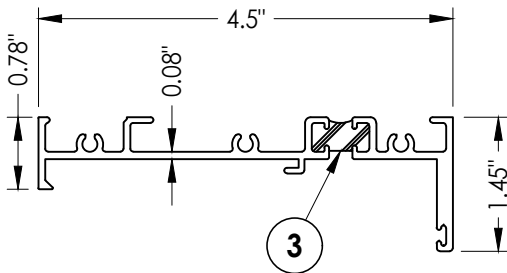
8 GLASS STOP 1-1/4"



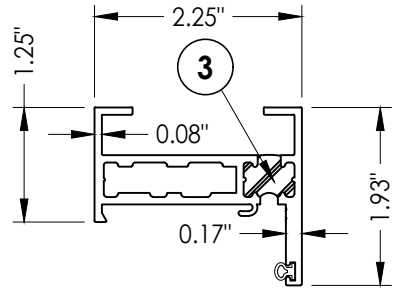
10 GLASS STOP 9/16"



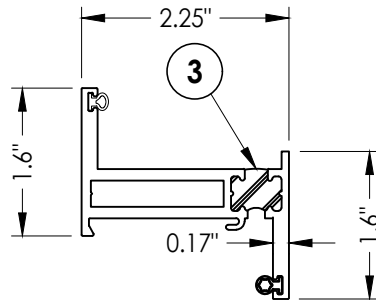
**14** INSERT STOP



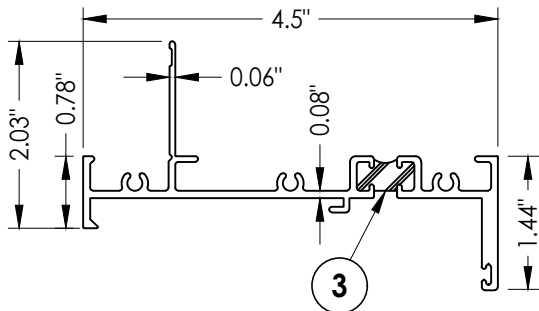
## 2 BLOCK FRAME



## 5 BLOCK FRAME



**7 ZEE BAR (PANEL)**



## 1 FIN BLOCK FRAME

|                        |  |                             |                          |             |     |                                     |  |               |  |              |  |
|------------------------|--|-----------------------------|--------------------------|-------------|-----|-------------------------------------|--|---------------|--|--------------|--|
| DATE: 12/01/21         |  | DRAWING NO.:<br>FL-14904.12 |                          | CHK. BY: RW |     | DWG. BY: LFS                        |  | SCALE: N.T.S. |  | SHEET 9 OF 9 |  |
| 2                      |  | 7/02/26                     | UPDATE TO 9TH ED. (2026) | FBC         | LFS | REVISIONS                           |  |               |  |              |  |
| 1                      |  | 7/12/23                     | UPDATE TO 8TH ED. (2023) | FBC         | LFS |                                     |  |               |  |              |  |
| NO.                    |  | DATE                        |                          |             | BY  |                                     |  |               |  |              |  |
| PART OR ASSEMBLY:      |  |                             |                          |             |     | BILL OF MATERIALS<br>AND COMPONENTS |  |               |  |              |  |
| PRODUCT:               |  |                             |                          |             |     | FLEETWOOD WINDOWS & DOORS           |  |               |  |              |  |
| Documents Prepared By: |  |                             |                          |             |     | BUILDING CONSULTANTS, INC.          |  |               |  |              |  |
| Lyndon F. Schmidt      |  |                             |                          |             |     | P.O. Box 230, Valrico, FL 33595     |  |               |  |              |  |
| P.E. No. 43409         |  |                             |                          |             |     | Phone No.: 813.659.9197             |  |               |  |              |  |
|                        |  |                             |                          |             |     | FBPE Registry No. 9813              |  |               |  |              |  |