



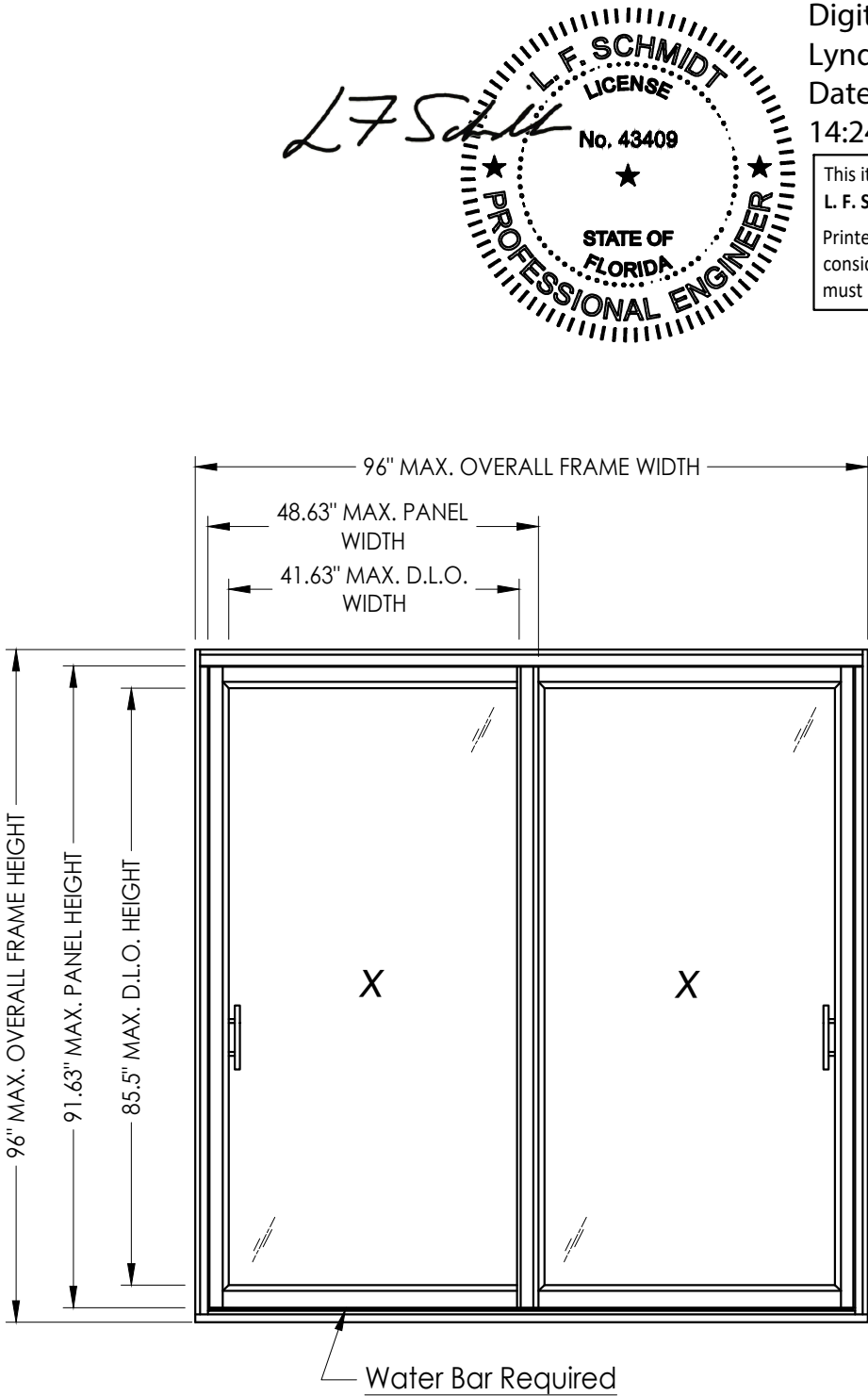
250 Staunton Turnpike, Parkersburg, WV 26104

8800 Series  
Vinyl Sliding Patio Door  
"IMPACT"

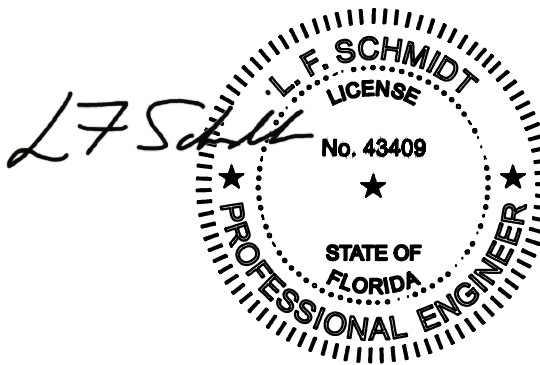
GENERAL NOTES

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.

| TABLE OF CONTENTS |                                                     |
|-------------------|-----------------------------------------------------|
| SHEET#            | DESCRIPTION                                         |
| 1                 | Typical elevation, design pressures & general notes |
| 2                 | Horizontal and vertical cross sections              |
| 3                 | Horizontal and vertical cross sections              |
| 4                 | Buck & frame anchoring (MAX. D.P. = 50 PSF)         |
| 5                 | Buck & frame anchoring (MAX. D.P. = 55 PSF)         |
| 6                 | Glazing detail & components                         |
| 7                 | Bill of materials                                   |



| OVERALL FRAME DIMENSION | MAX. PANEL DIMENSION | MAX. D.L.O. DIMENSION | GLASS TYPE | DESIGN PRESSURE (PSF) |          |
|-------------------------|----------------------|-----------------------|------------|-----------------------|----------|
|                         |                      |                       |            | POSITIVE              | NEGATIVE |
| 96.0" x 96.0"           | 48.63" X 91.63"      | 41.63" X 85.5"        | G1         | +50.0                 | -50.0    |
| 72.0" x 80.0"           | 36.63" X 75.63"      | 29.63" X 69.5"        | G1         | +50.0                 | -55.0    |



Digitally signed by  
Lyndon F Schmidt  
Date: 2026.07.27  
14:24:55 -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

8800 SERIES VINYL  
SLIDING PATIO DOORS

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

DATE: 4/13/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-16216.14

SHEET 1 OF 7

2 7/01/26 UPDATE TO 9TH ED. (2026) FBC

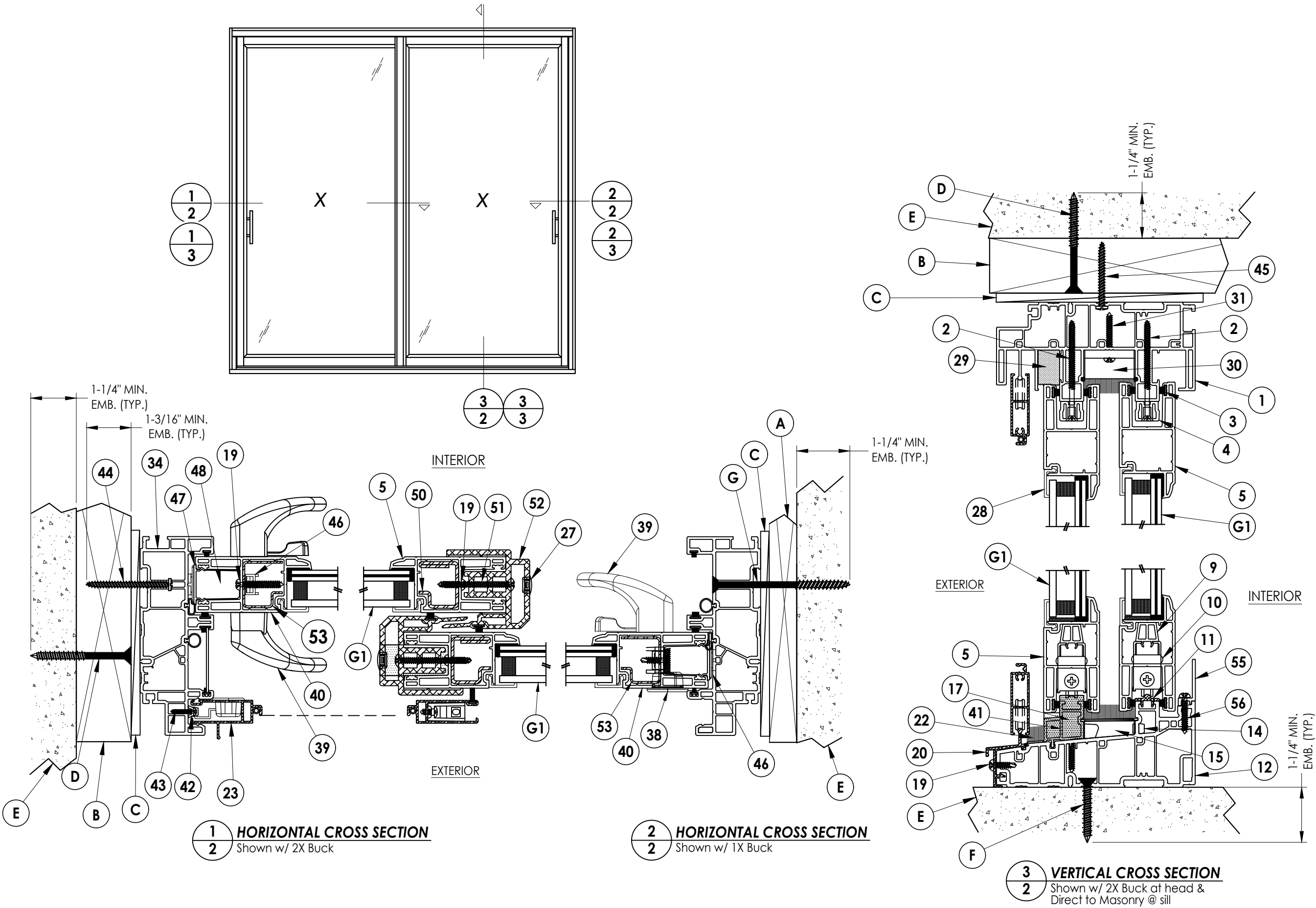
1 7/06/23 UPDATE TO 8TH ED. (2023) FBC

NO. DATE

REVISIONS

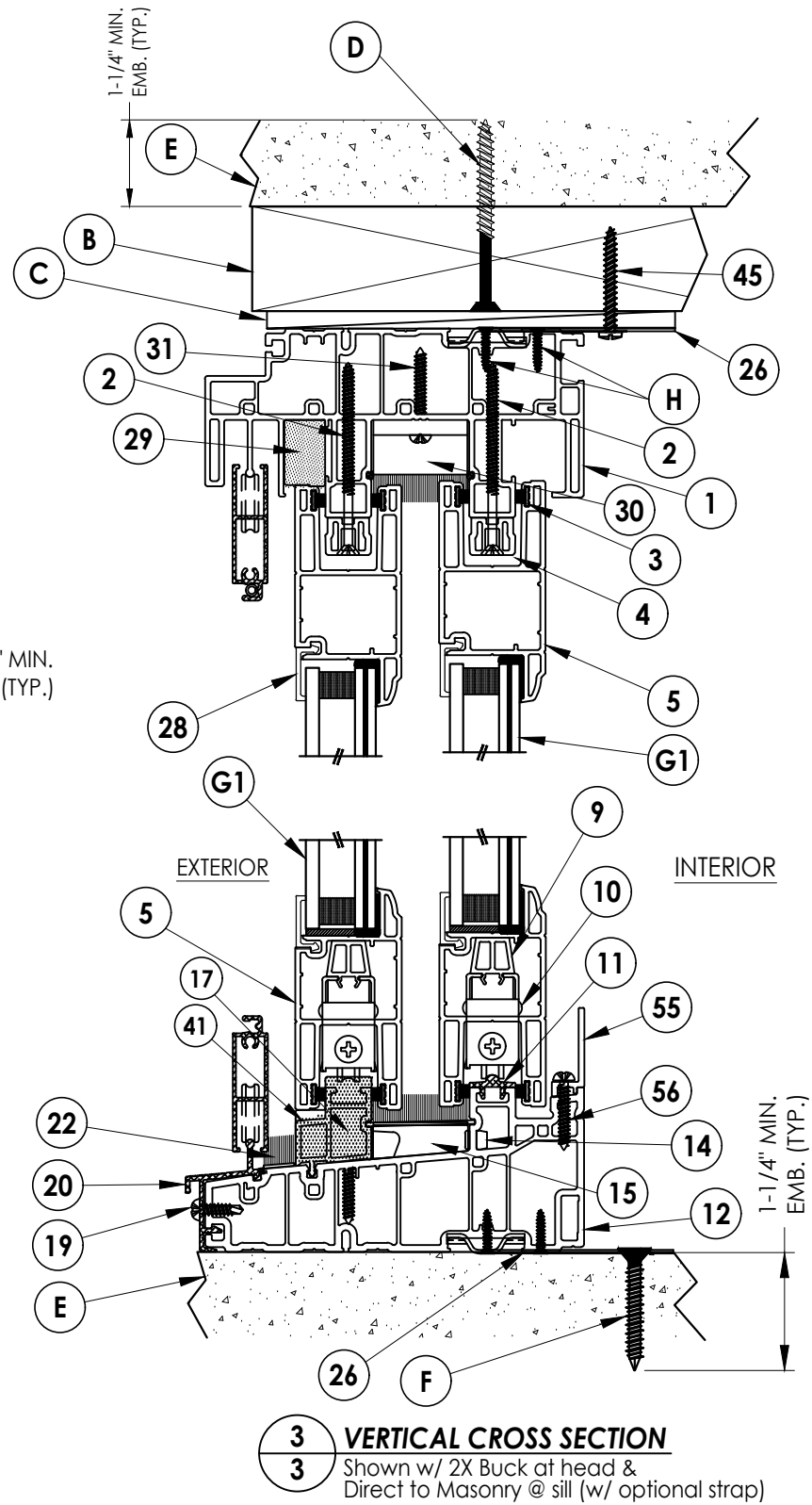
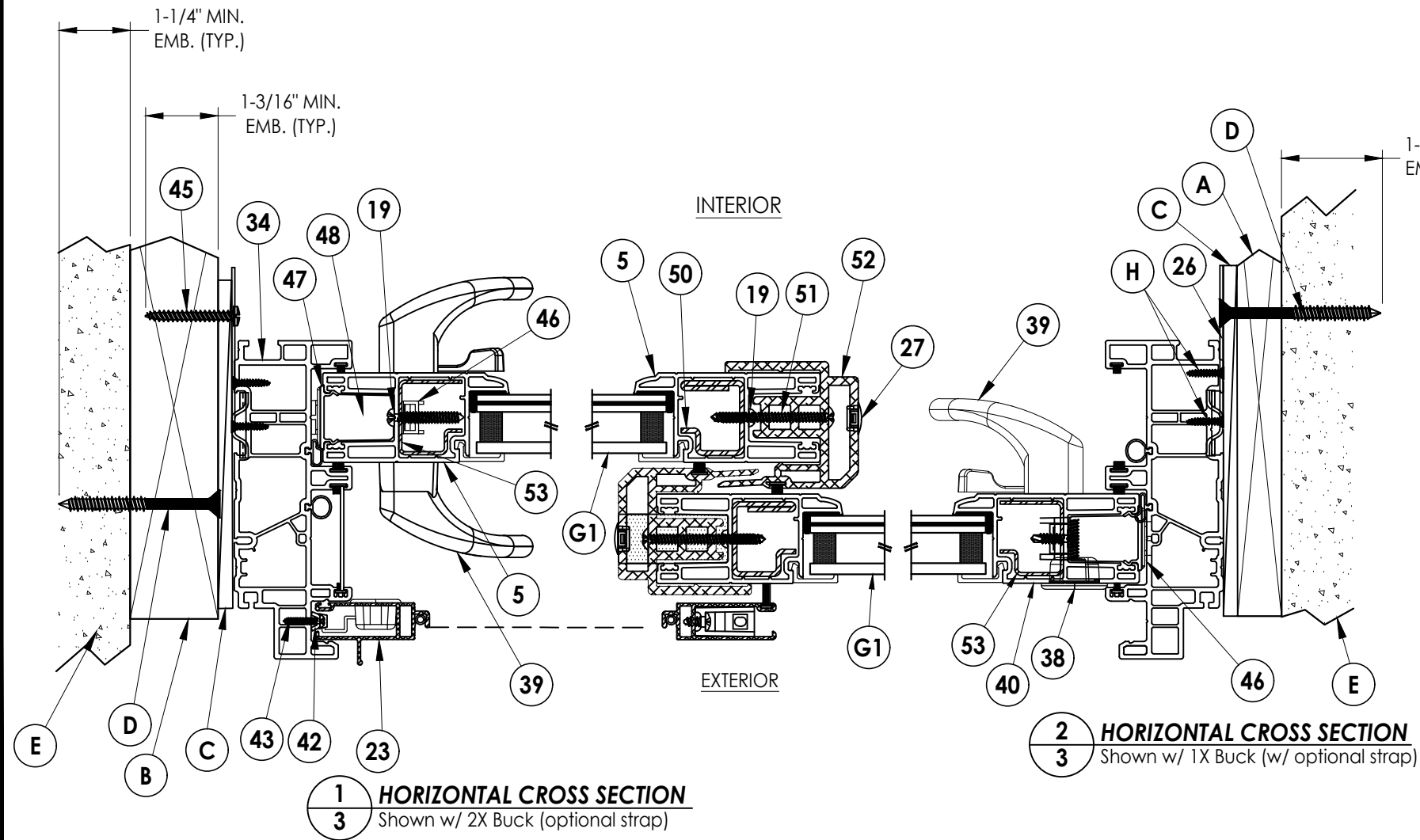
RW BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

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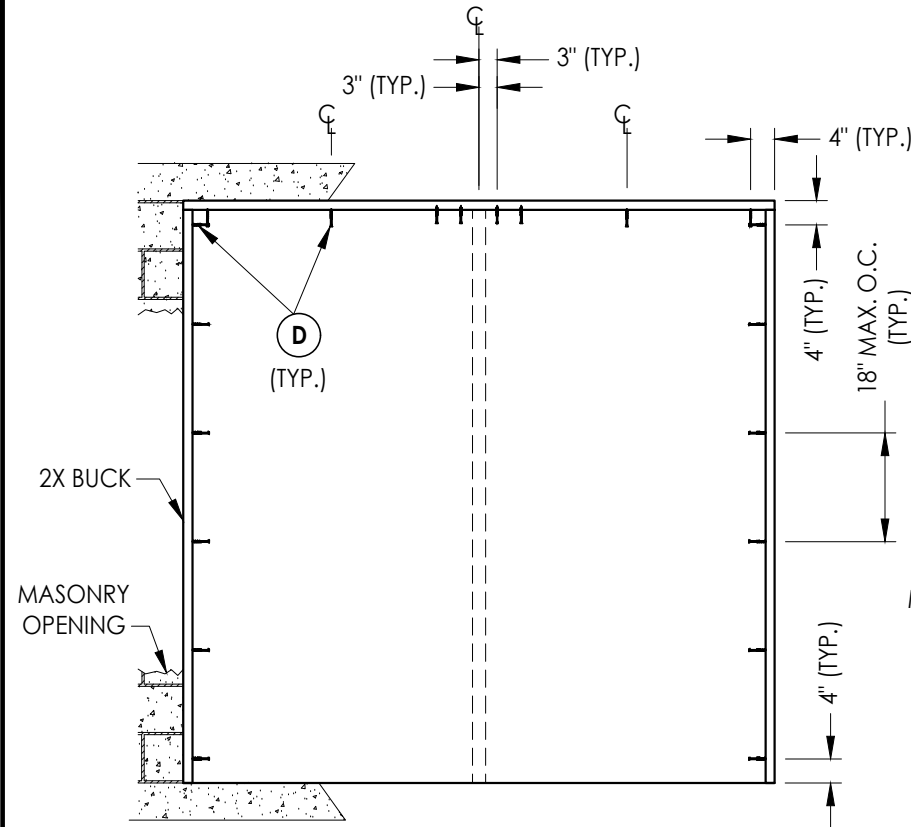
|                                                               |         |                                                                                                                    |     |
|---------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------|-----|
| 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>8800 SERIES VINYL<br>SLIDING PATIO DOORS          |         | PART OR ASSEMBLY:<br>HORIZONTAL & VERTICAL<br>CROSS SECTIONS                                                       |     |
|                                                               |         | LFS                                                                                                                | BY  |
|                                                               |         | FBC                                                                                                                |     |
| 2                                                             | 7/01/26 | UPDATE TO 9TH ED. (2026)                                                                                           | FBC |
| 1                                                             | 7/06/23 | UPDATE TO 8TH ED. (2023)                                                                                           | FBC |
| NO                                                            | DATE    | REVISIONS                                                                                                          |     |
| DATE: 4/13/22                                                 |         |                                                                                                                    |     |
| SCALE: N.T.S.                                                 |         |                                                                                                                    |     |
| DWG. BY: LFS                                                  |         |                                                                                                                    |     |
| CHK. BY: RW                                                   |         |                                                                                                                    |     |
| DRAWING NO.:<br>FL-16216.14                                   |         |                                                                                                                    |     |
| SHEET 2 OF 7                                                  |         |                                                                                                                    |     |

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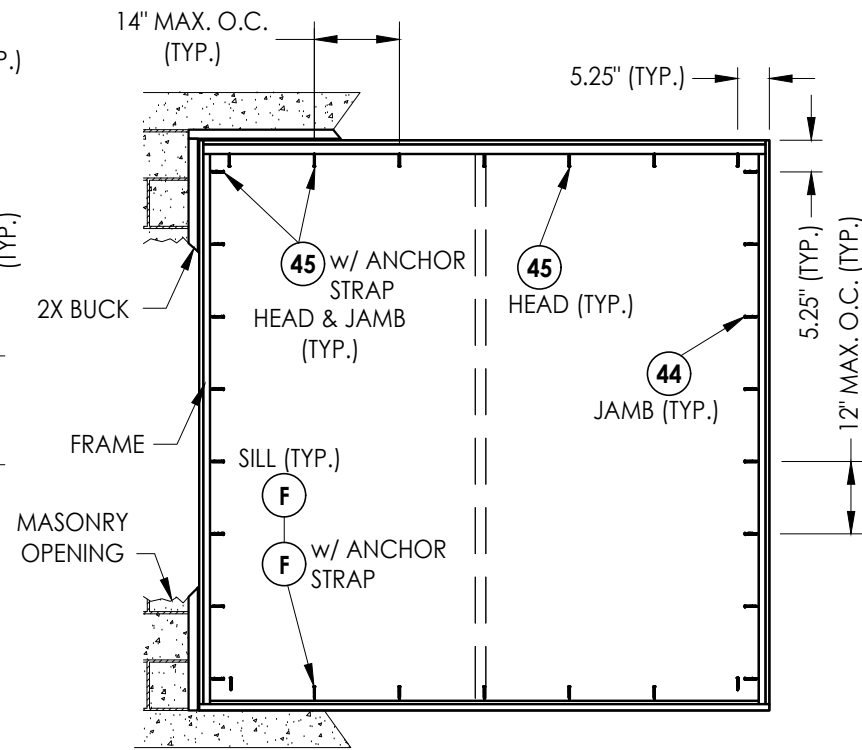


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|                                                               |         | LFS                                                                                                                | BY |
|                                                               |         | FBC                                                                                                                |    |
| 2                                                             | 7/01/26 | UPDATE TO 9TH ED. (2026)                                                                                           |    |
| 1                                                             | 7/06/23 | UPDATE TO 8TH ED. (2023)                                                                                           |    |
| NO.                                                           | DATE    | REVISIONS                                                                                                          |    |
| DATE: 4/13/22                                                 |         |                                                                                                                    |    |
| SCALE: N.T.S.                                                 |         |                                                                                                                    |    |
| DWG. BY: LFS                                                  |         |                                                                                                                    |    |
| CHK. BY: RW                                                   |         |                                                                                                                    |    |
| DRAWING NO.:<br>FL-16216.14                                   |         |                                                                                                                    |    |
| SHEET 3 OF 7                                                  |         |                                                                                                                    |    |

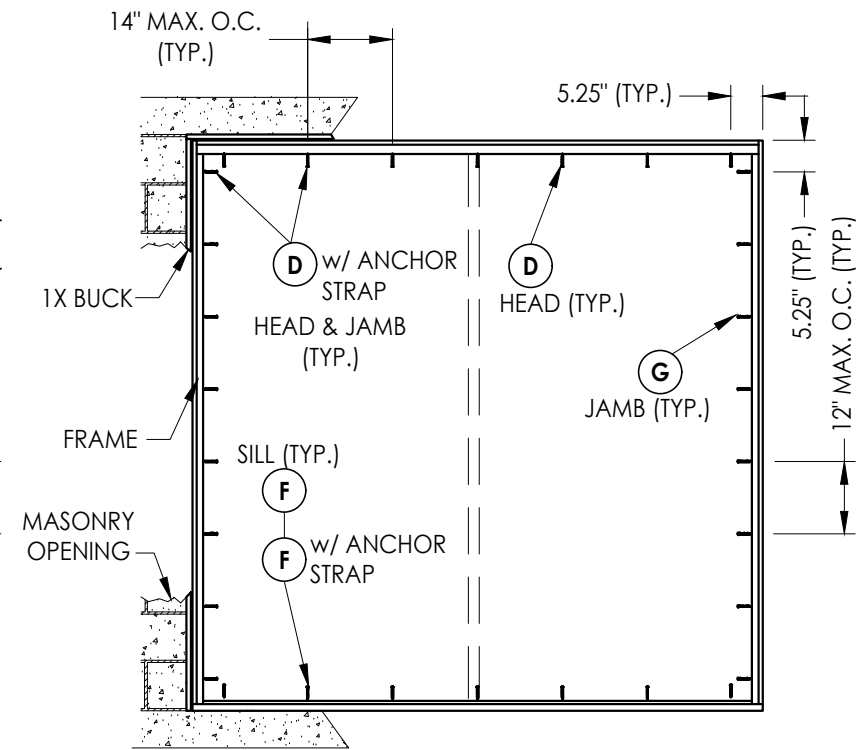
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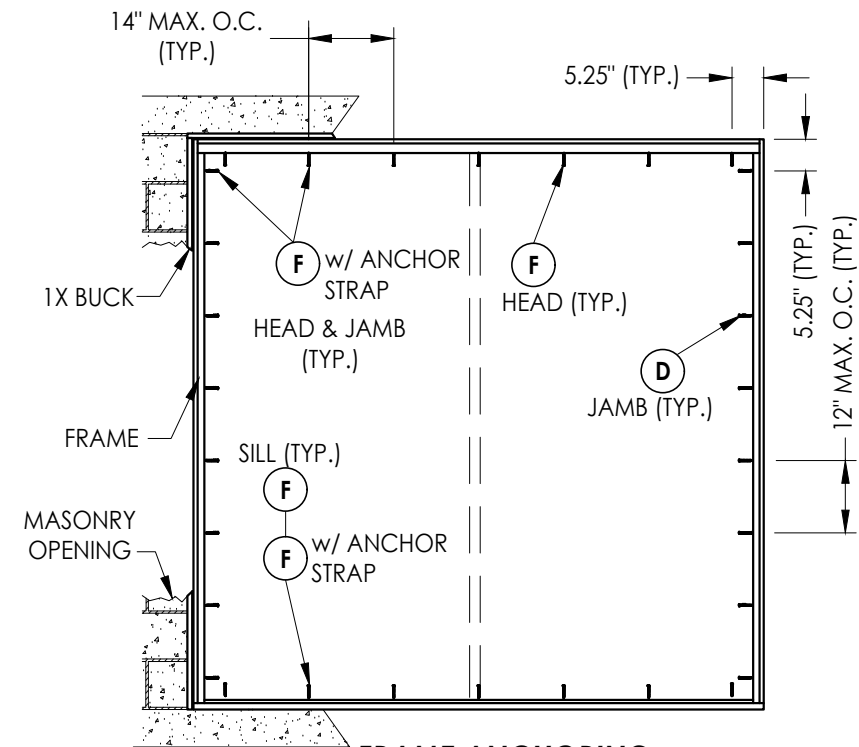
**BUCK ANCHORING  
MASONRY**



**FRAME ANCHORING  
2X Buck**



**FRAME ANCHORING  
1X Buck**



**FRAME ANCHORING  
Direct to Masonry**

NOTE: MAX. D.P. = 50 PSF

**CORROSION RESISTANCE - SALTWATER ENVIRONMENT**  
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

**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"                                |
| DeWALT ULTRA-CON® | 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

PRODUCT:  
8800 SERIES VINYL  
SLIDING PATIO DOORS

PART OR ASSEMBLY:  
BUCK & FRAME ANCHORING  
(MAX. D.P. = 50 PSF)

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 2   | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC |
| 1   | 7/06/23 | UPDATE TO 8TH ED. (2023) FBC |
| NO. | DATE    | BY                           |

DATE: 4/13/22

SCALE: N.T.S.

DWG. BY: LFS

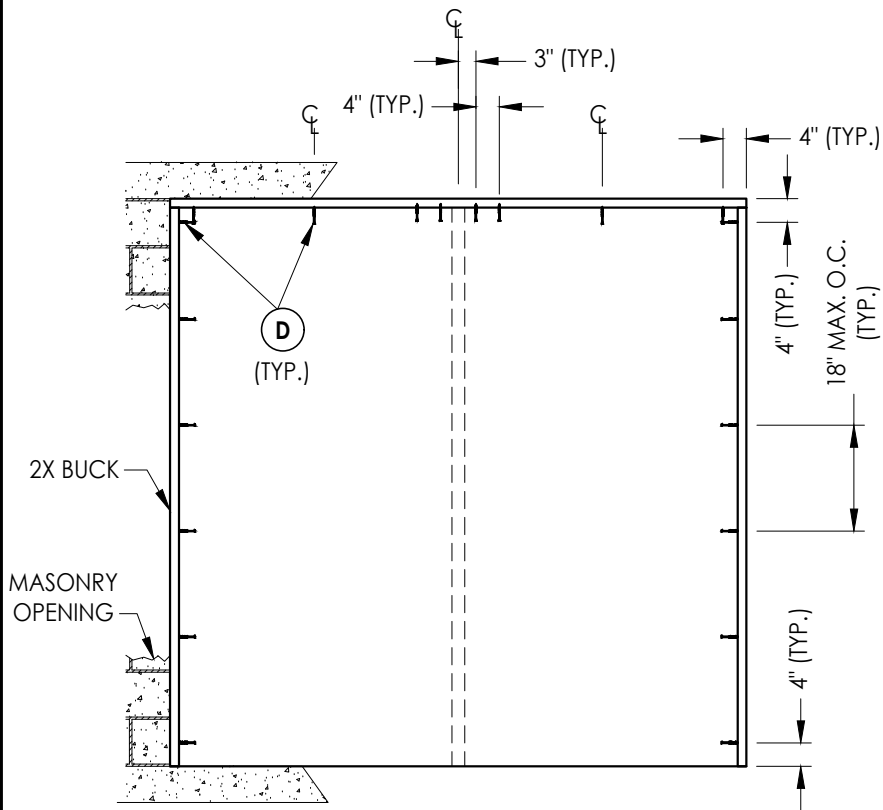
CHK. BY: RW

DRAWING NO.:  
FL-16216.14

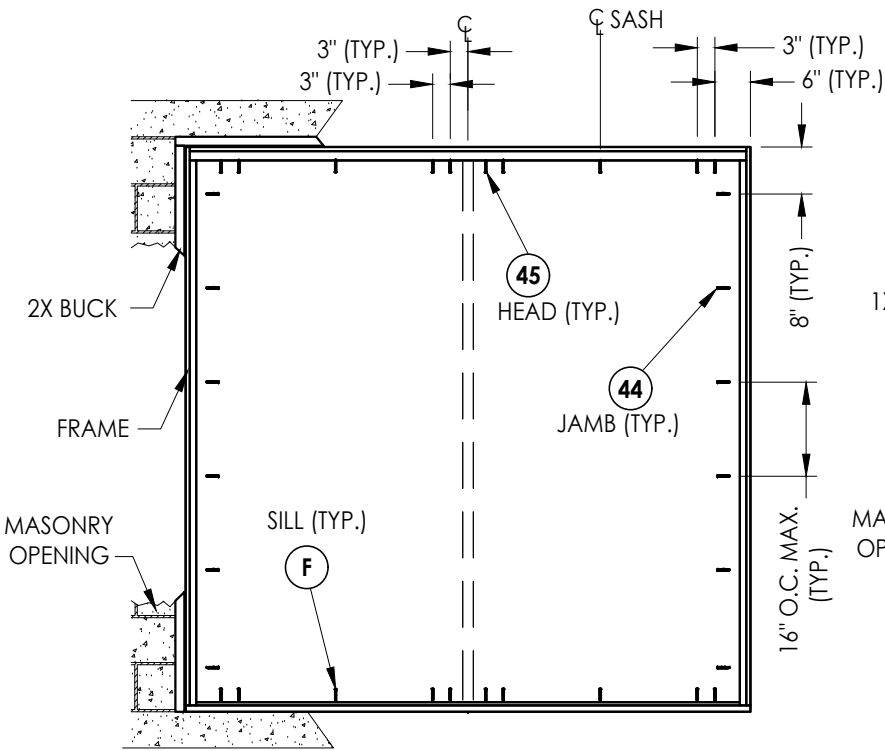
SHEET 4 OF 7

**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
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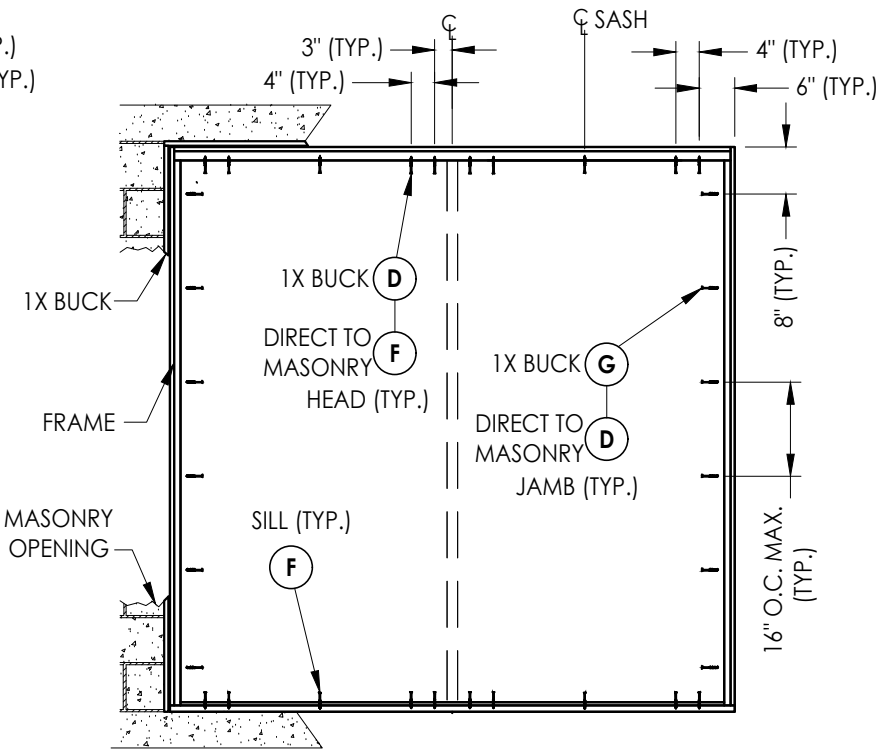
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**BUCK ANCHORING  
MASONRY**



**FRAME ANCHORING  
2X Buck**



**FRAME ANCHORING  
1X Buck, Direct to Masonry**

NOTE: MAX. D.P. = 55 PSF

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**WOOD SCREW INSTALLATION NOTES:**

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**CORROSION RESISTANCE - SALTWATER ENVIRONMENT**

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

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PRODUCT:  
8800 SERIES VINYL  
SLIDING PATIO DOORS

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

PART OR ASSEMBLY:  
BUCK & FRAME ANCHORING  
(MAX. D.P. = 55 PSF)

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 2   | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC |
| 1   | 7/06/23 | UPDATE TO 8TH ED. (2023) FBC |
| 1   |         | BY                           |

DATE: 4/13/22

SCALE: N.T.S.

DWG. BY: LFS

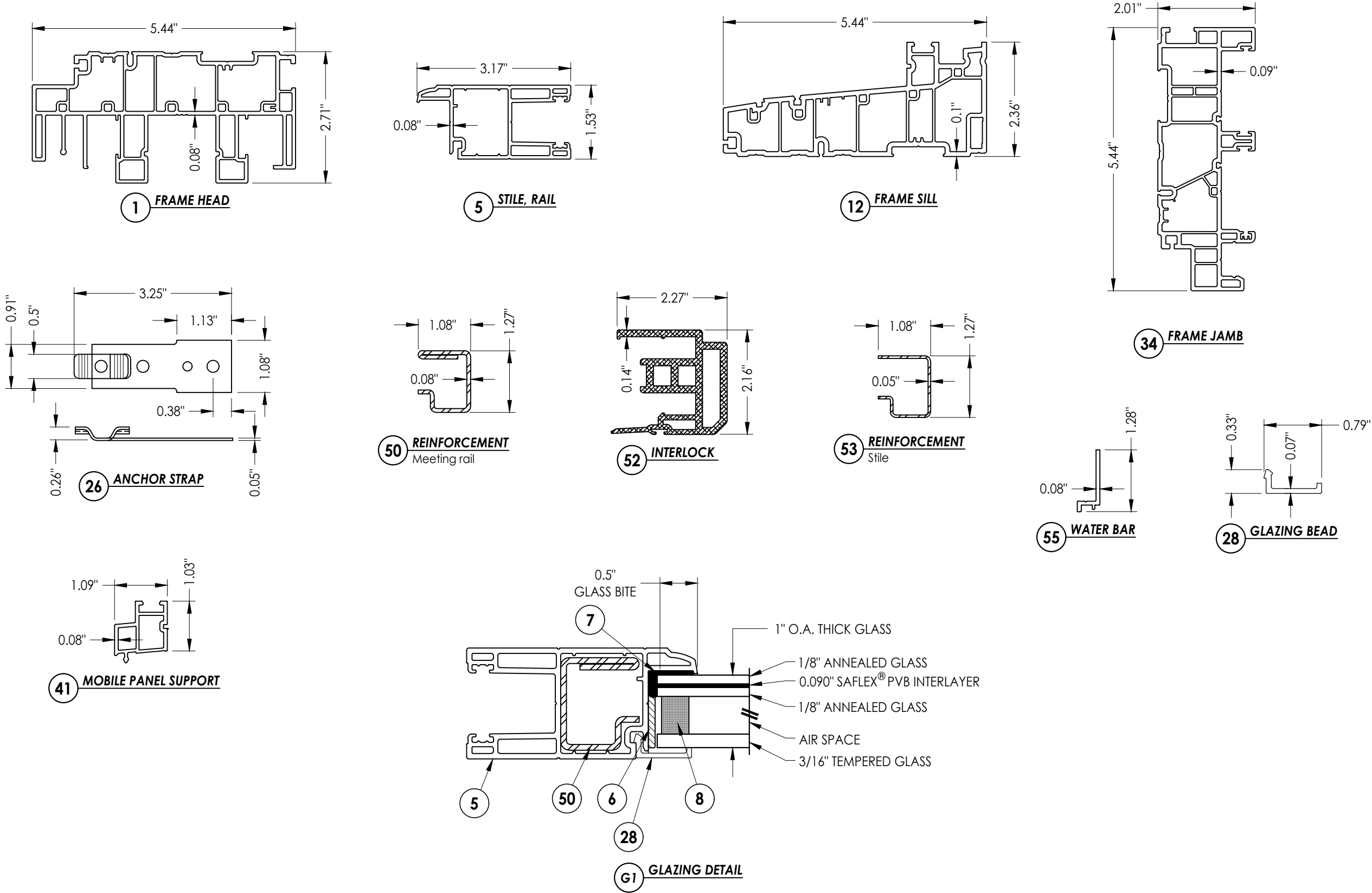
CHK. BY: RW

DRAWING NO.:

FL-16216.14

SHEET 5 OF 7

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|                                                               |  |  |  |                                                                                                                    |         |                          |         |
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| PRODUCT:<br>8800 SERIES VINYL<br>SLIDING PATIO DOORS          |  |  |  | PART OR ASSEMBLY:<br>GLAZING DETAILS &<br>COMPONENTS                                                               |         |                          |         |
|                                                               |  |  |  | 2                                                                                                                  | 7/01/26 | UPDATE TO 9TH ED. (2026) | FBC LFS |
|                                                               |  |  |  | 1                                                                                                                  | 7/06/23 | UPDATE TO 8TH ED. (2023) | FBC LFS |
|                                                               |  |  |  | NO.                                                                                                                | DATE    |                          | BY      |
|                                                               |  |  |  | REVISIONS                                                                                                          |         |                          |         |
| DATE: 4/13/22                                                 |  |  |  |                                                                                                                    |         |                          |         |
| SCALE: N.T.S.                                                 |  |  |  |                                                                                                                    |         |                          |         |
| DWG. BY: LFS                                                  |  |  |  |                                                                                                                    |         |                          |         |
| CHK. BY: RW                                                   |  |  |  |                                                                                                                    |         |                          |         |
| DRAWING NO.: FL-16216.14                                      |  |  |  |                                                                                                                    |         |                          |         |
| SHEET 6 OF 7                                                  |  |  |  |                                                                                                                    |         |                          |         |

| 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 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 1-3/4" DeWALT OR ITW CONCRETE SCREW                                                     | STEEL    |
| G                 | 1/4" X 3-3/4" DeWALT OR ITW CONCRETE SCREW                                                     | STEEL    |
| H                 | #10 X 5/8" FH SMS                                                                              | STEEL    |
| 1                 | FRAME HEAD*                                                                                    | PVC      |
| 2                 | #8 x 2-3/4" FH QUADREX WOOD SCREW                                                              | STEEL    |
| 3                 | WEATHERSTRIP (SCHLEGEL #HF-7522-270)                                                           | -        |
| 4                 | HEAD TRACK*                                                                                    | PVC      |
| 5                 | STILE & RAIL*                                                                                  | PVC      |
| 6                 | SETTING BLOCK                                                                                  | -        |
| 7                 | SILICONE (SIKA 552)                                                                            | SILICONE |
| 8                 | CARDINAL ENDUR SPACER                                                                          | -        |
| 9                 | SHIM                                                                                           | -        |
| 10                | TANDEM WHEEL                                                                                   | NYLON    |
| 11                | ROLLING RAIL                                                                                   | ALUM     |
| 12                | SILL*                                                                                          | PVC      |
| 13                | SILL DUST COVER*                                                                               | PVC      |
| 14                | SILL PLUG                                                                                      | NYLON    |
| 15                | SILL WEATHERSEAL                                                                               | -        |
| 17                | MOBILE SASH SUPPORT GASKET                                                                     | -        |
| 19                | #8 X 5/8" PAN HEAD, SQUARE, SELF-DRILLING SCREW                                                | STEEL    |
| 20                | OUTSIDE SILL CLADDING                                                                          | ALUM     |
| 22                | INSECT STOP                                                                                    | -        |
| 23                | SCREEN                                                                                         | -        |
| 26                | ANCHOR STRAP                                                                                   | STEEL    |
| 27                | SCREW CAP                                                                                      | NYLON    |
| 28                | GLAZING BEAD*                                                                                  | PVC      |
| 29                | FOAM PLUG                                                                                      | -        |

\* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".

|    |                                                  |       |
|----|--------------------------------------------------|-------|
| 30 | HEAD WEATHERSEAL                                 | -     |
| 31 | #8 X 1-1/4" PAN HEAD, QUADREX, SCREW             | STEEL |
| 32 | SASH STOPPER                                     | EPDM  |
| 33 | WEATHERSTRIP                                     | -     |
| 34 | FRAME JAMB*                                      | PVC   |
| 35 | WEATHERSTRIP                                     | -     |
| 38 | RECESS HANDLE                                    | NYLON |
| 39 | HANDLE KIT                                       | ZINC  |
| 40 | OPERATING PANEL SIDE STILE*                      | PVC   |
| 41 | MOBILE PANEL SUPPORT*                            | PVC   |
| 42 | KEEPER FOR SCREEN                                | -     |
| 43 | #4 X 5/8" PAN HEAD QUADREX SCREW                 | STEEL |
| 44 | #10 X 2-1/2" PPH SCREW (1-3/16" MIN. EMBEDMENT)  | STEEL |
| 45 | #10 X 1-3/4" PPH SCREW (1-3/16" MIN. EMBEDMENT)  | STEEL |
| 46 | STAINLESS STEEL DOUBLE POINT MORTISE LOCK KIT    | STEEL |
| 47 | SASH COVERING CAP*                               | PVC   |
| 48 | LOCK PLUG                                        | NYLON |
| 50 | STILE REINFORCEMENT (CS TYPE B HOT DIPPED GALV.) | STEEL |
| 51 | #8 X 2" TRUSS HEAD QUADREX SCREW                 | STEEL |
| 52 | INTERLOCK                                        | ALUM  |
| 53 | STILE REINFORCEMENT (CS TYPE B HOT DIPPED GALV.) | STEEL |
| 54 | Q-LON WEATHERSTRIP (SCHLEGEL NO. QEZ 345)        | -     |
| 55 | WATER BAR                                        | ALUM  |
| 56 | #8 X 1" PPH SMS                                  | SS    |

[illegible]