

A technical drawing showing a 90-degree corner joint between two metal profiles. The profiles are shown in cross-section, with one profile extending horizontally and the other vertically. A curved arrow indicates the 90-degree angle between the two profiles. The joint is secured with a bolt and nut on the vertical profile, and a washer is used on the horizontal profile. The drawing is labeled with '90°' and '90°'.


 August 10, 2020  
 Documents Prepared By: Ben F. Schmidt  
 No. 43409

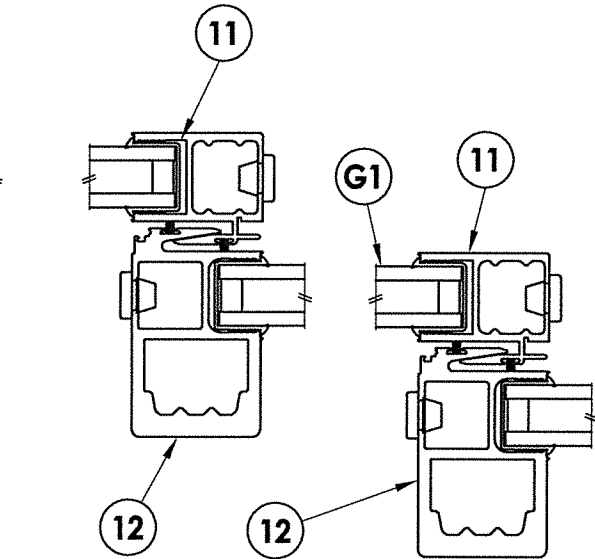
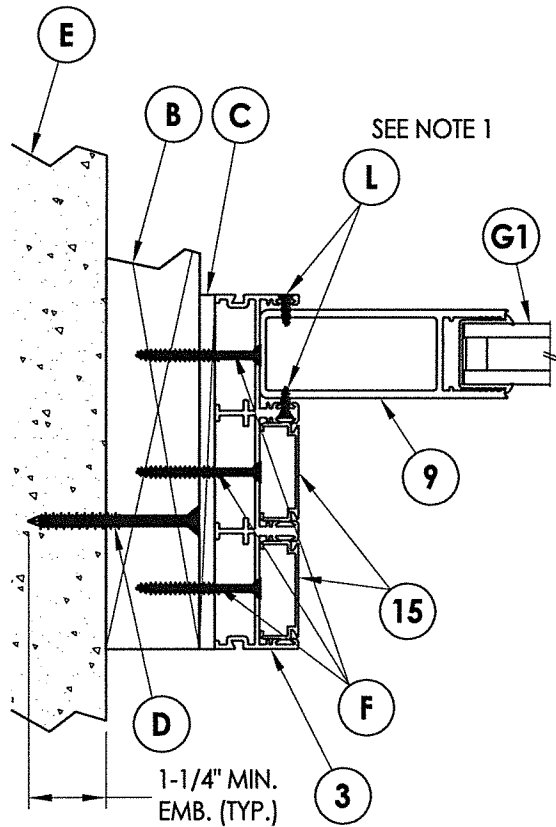
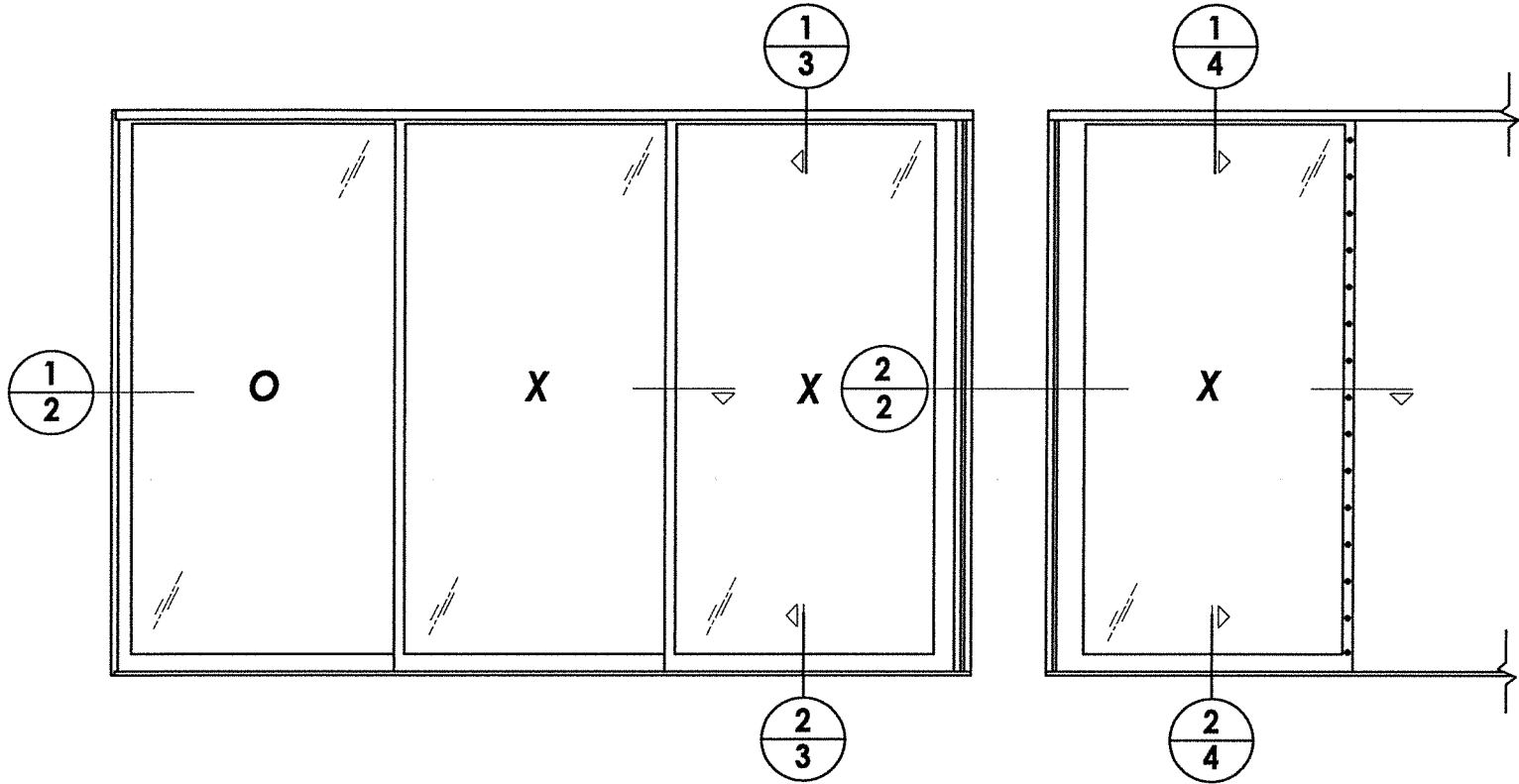
**RW**  
BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

- | MAX<br>PANEL<br>DIMENSION | MAX<br>D.L.O.<br>DIMENSION | GLASS TYPE | DESIGN PRESSURE (PSF) |          |
|---------------------------|----------------------------|------------|-----------------------|----------|
|                           |                            |            | POSITIVE              | NEGATIVE |
| 60.75" X 98.25"           | 52.63" X 91.5"             | G1         | +55.0                 | -60.0    |
| 51.12" X 113.25"          | 43.0" X 106.5"             | G1         | +55.0                 | -60.0    |

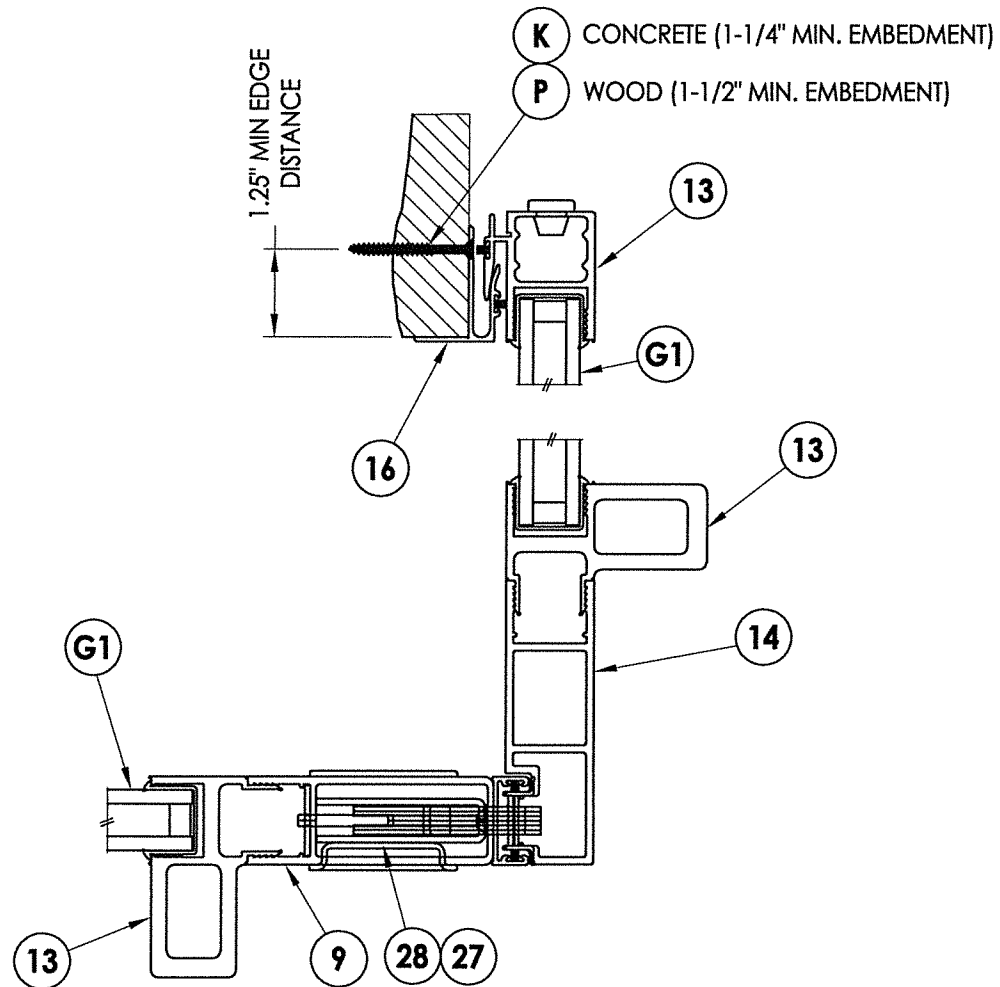
|                         |          |                                                                             |     |           |
|-------------------------|----------|-----------------------------------------------------------------------------|-----|-----------|
| DATE: 3/20/14           |          | PRODUCT:                                                                    |     |           |
| SCALE: N.T.S.           |          | FLEETWOOD WINDOWS & DOORS                                                   |     |           |
| DWG. BY: JK             |          | PART OR ASSEMBLY:<br>TYPICAL ELEVATION, DESIGN<br>PRESSURES & GENERAL NOTES |     |           |
| CHK. BY: LFS            |          |                                                                             |     |           |
| DRAWING NO.: FL-15560.9 |          |                                                                             |     |           |
| SHEET 1 OF 8            |          |                                                                             |     |           |
|                         |          |                                                                             |     |           |
| 4                       | 8/10/20  | UPDATE TO 7TH ED. (2020)                                                    | FBC | DAC       |
| 3                       | 08/08/17 | UPDATE TO 6TH ED. (2017)                                                    | FBC | LFS       |
| 2                       | 8/06/15  | CLARIFY MAX PANEL SIZE &                                                    |     | JK        |
|                         |          | CHANGE NAME                                                                 |     |           |
| 1                       | 04/22/15 | UPDATE TO 5TH ED. (2014)                                                    | FBC | JK        |
| NO.                     | DATE     |                                                                             |     | BY        |
|                         |          |                                                                             |     | REVISIONS |

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| 2                 | Horizontal cross sections                              |
| 3                 | Vertical cross sections                                |
| 4                 | Vertical cross sections                                |
| 5                 | Buck anchoring                                         |
| 6                 | Frame anchoring                                        |
| 7                 | Components                                             |
| 8                 | Bill of materials and glazing details                  |

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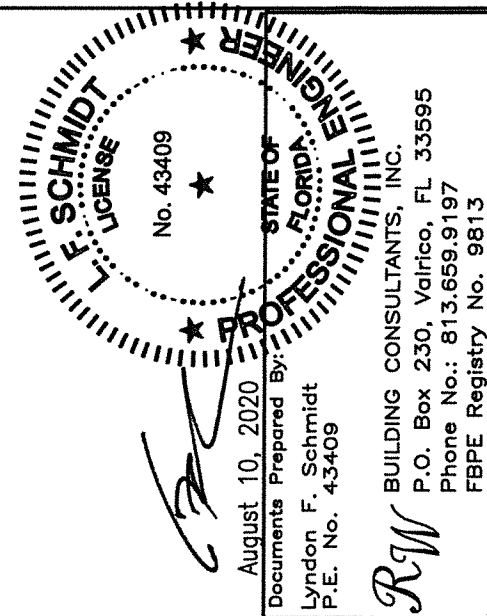


**1**  
**2** **HORIZONTAL CROSS SECTION**  
2X Buck Construction



**2**  
**2** **HORIZONTAL CROSS SECTION**  
90° Corner

NOTE:  
1. Fixed panel screws located 39\"/>

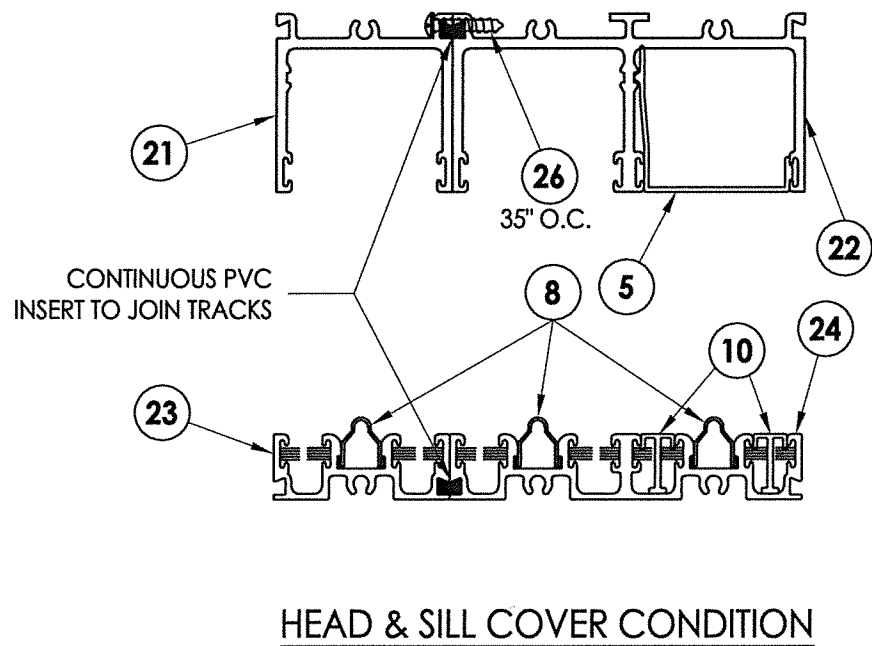
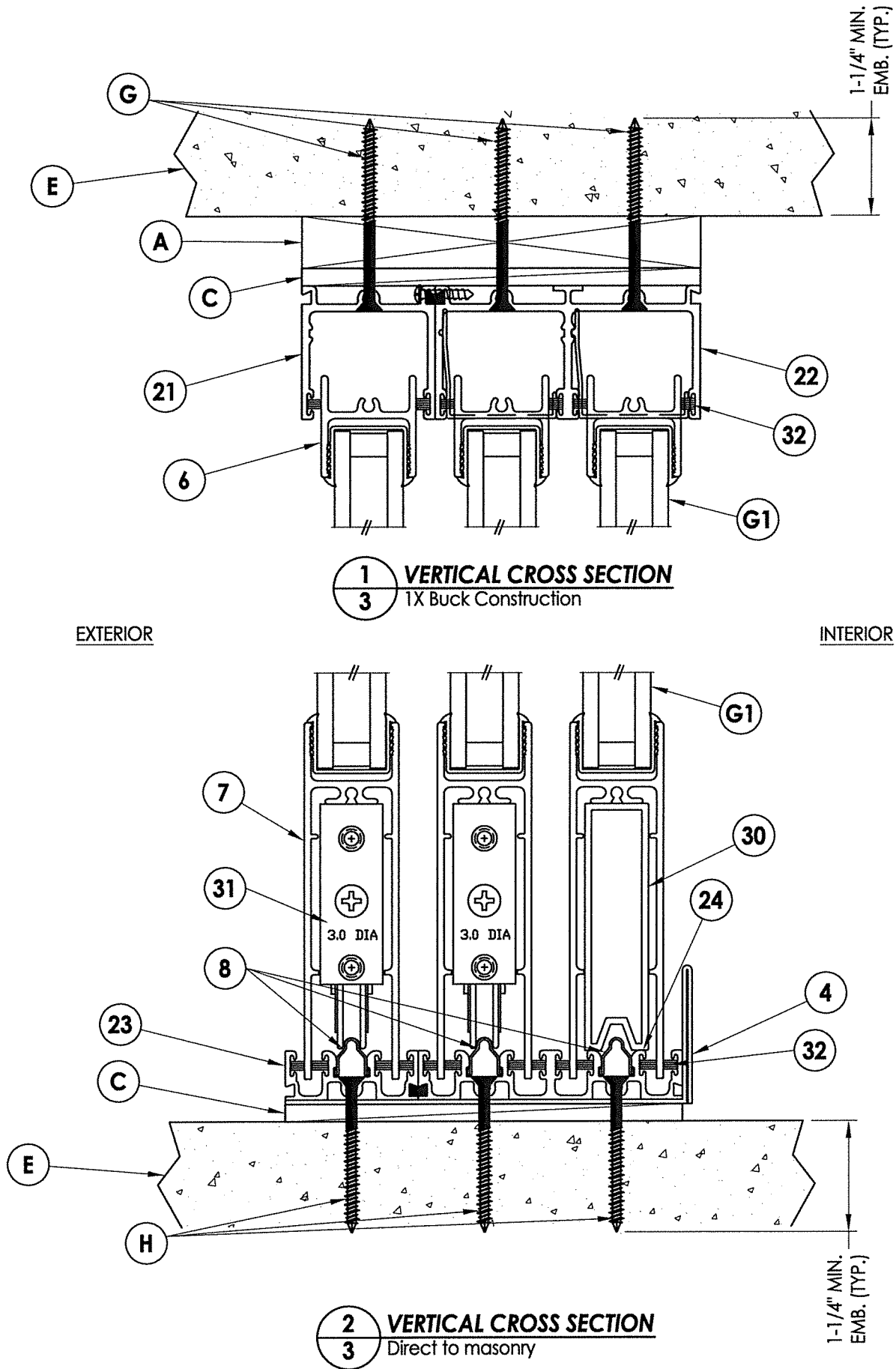


August 10, 2020  
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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

| PRODUCT:                |         | FLEETWOOD WINDOWS & DOORS            |     | PART OR ASSEMBLY: |          | HORIZONTAL CROSS SECTIONS    |     |
|-------------------------|---------|--------------------------------------|-----|-------------------|----------|------------------------------|-----|
| 4                       | 8/10/20 | UPDATE TO 7th ED. (2020) FBC         | DAC | 3                 | 08/08/17 | UPDATE TO 6TH ED. (2017) FBC | LFS |
| 2                       | 8/06/15 | CLARIFY MAX PANEL SIZE & CHANGE NAME | JK  | 1                 | 04/22/15 | UPDATE TO 5TH ED. (2014) FBC | JK  |
| NO. DATE                |         | REVISIONS                            |     | NO. DATE          |          | REVISIONS                    |     |
| DATE: 3/20/14           |         | SCALE: N.T.S.                        |     | DWG. BY: JK       |          | CHK. BY: LFS                 |     |
| DRAWING NO.: FL-15560.9 |         | SHEET 2 OF 8                         |     |                   |          |                              |     |

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NOTE:  
1. A full-depth cut-out (1" wide x 3/16" tall) in track base is necessary to allow for water drainage (12" from each end and 24" o.c.).

August 10, 2020  
Documents Prepared By: Lyndon F. Schmidt  
P.E. No. 43409

**FLORIDA PROFESSIONAL ENGINEER**  
No. 43409

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

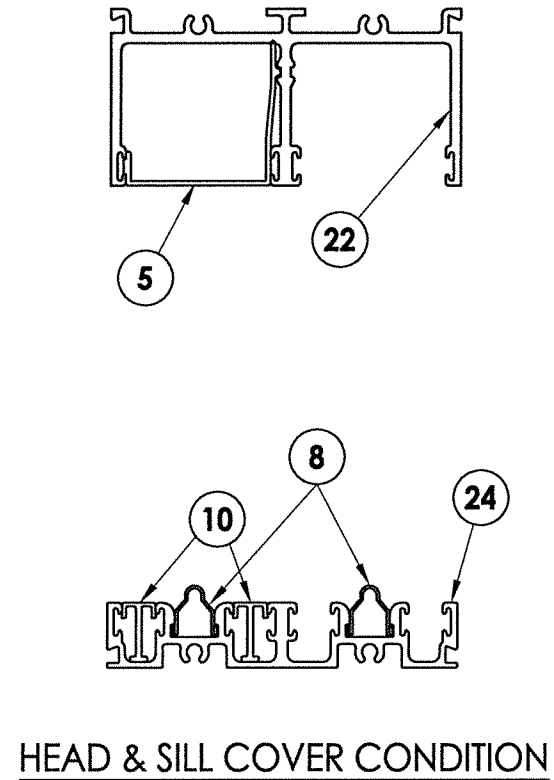
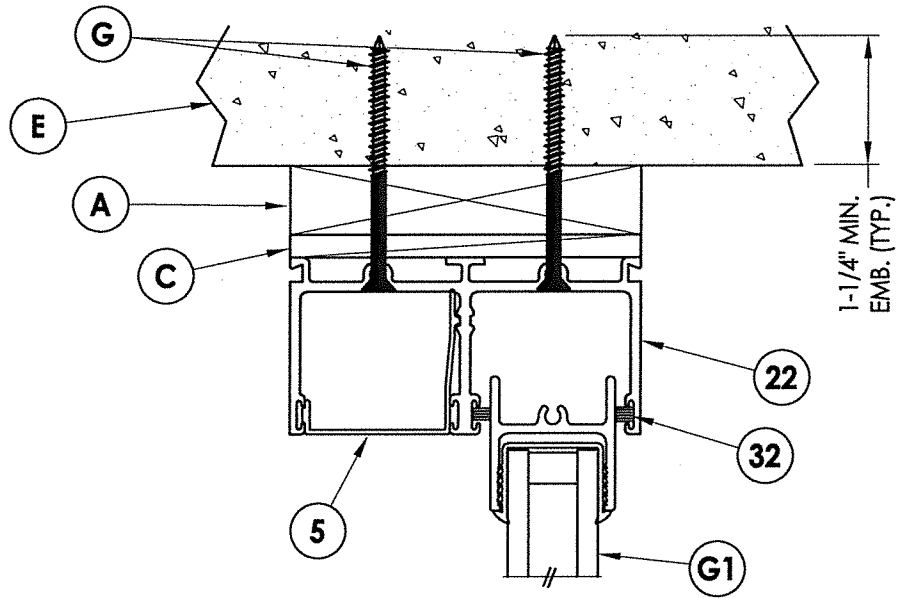
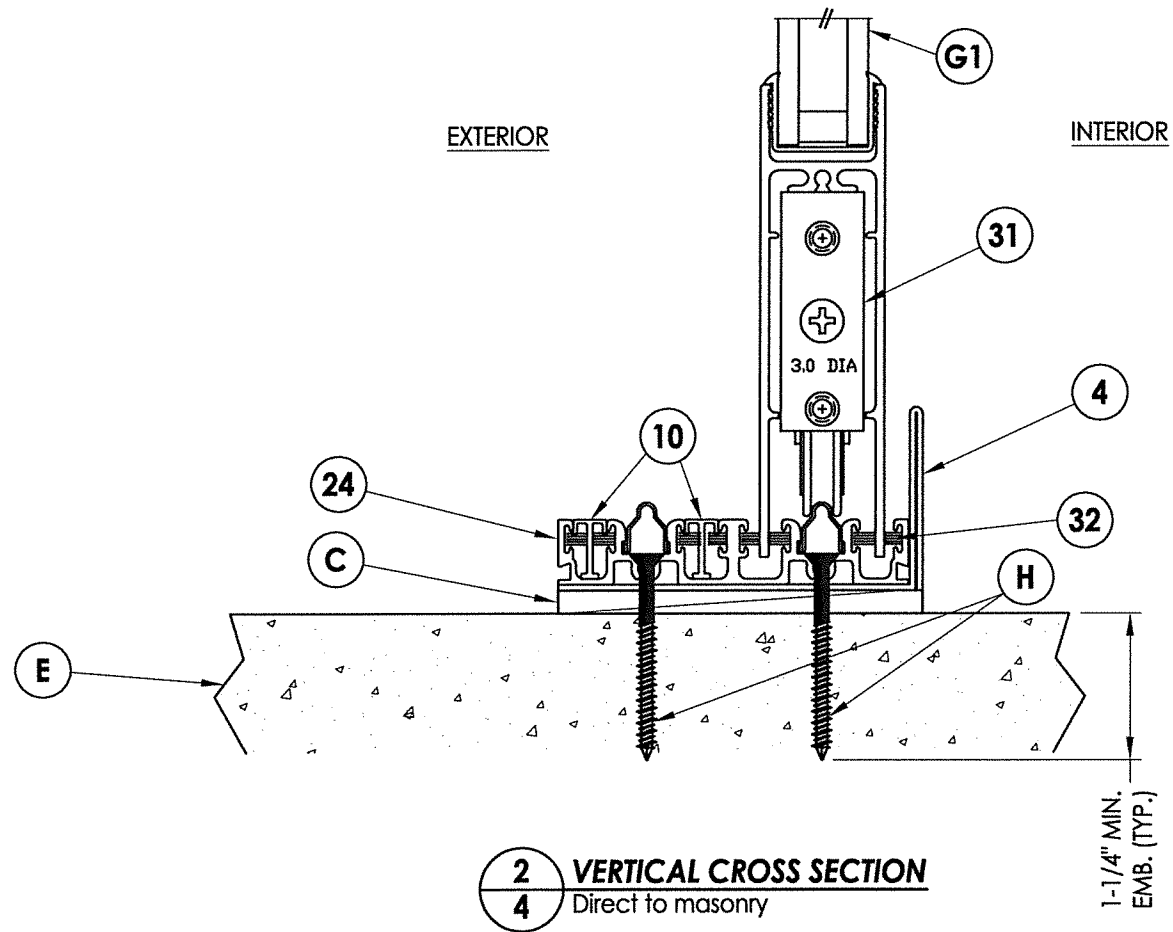
**PRODUCT:**  
FLEETWOOD WINDOWS & DOORS

**PART OR ASSEMBLY:**  
VERTICAL CROSS SECTIONS

| NO. | DATE     | REVISIONS                            |
|-----|----------|--------------------------------------|
| 4   | 8/10/20  | UPDATE TO 7th ED.(2020) FBC          |
| 3   | 08/08/17 | UPDATE TO 6TH ED. (2017) FBC         |
| 2   | 8/06/15  | CLARIFY MAX PANEL SIZE & CHANGE NAME |
| 1   | 04/22/15 | UPDATE TO 5TH ED. (2014) FBC         |

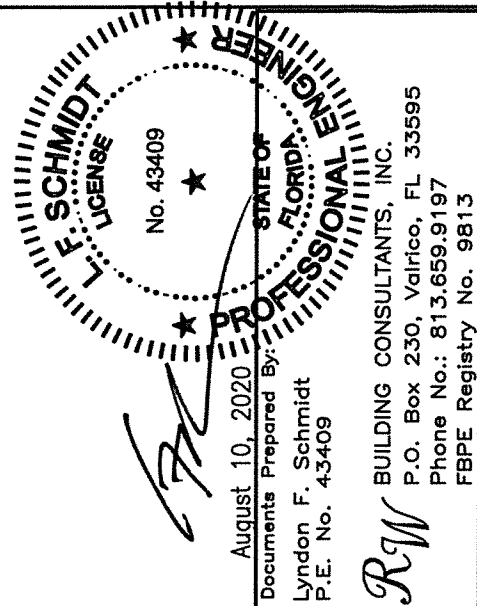
DATE: 3/20/14  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-15560.9  
SHEET 3 OF 8

\\dc01\wbc\Clients\Permanent\A - Florida Product Approvals\FL-15560 Sliding Patio Doors\C - Drawings\FL 15560 (2020)\FL-15560.8-10.dwg



NOTE:

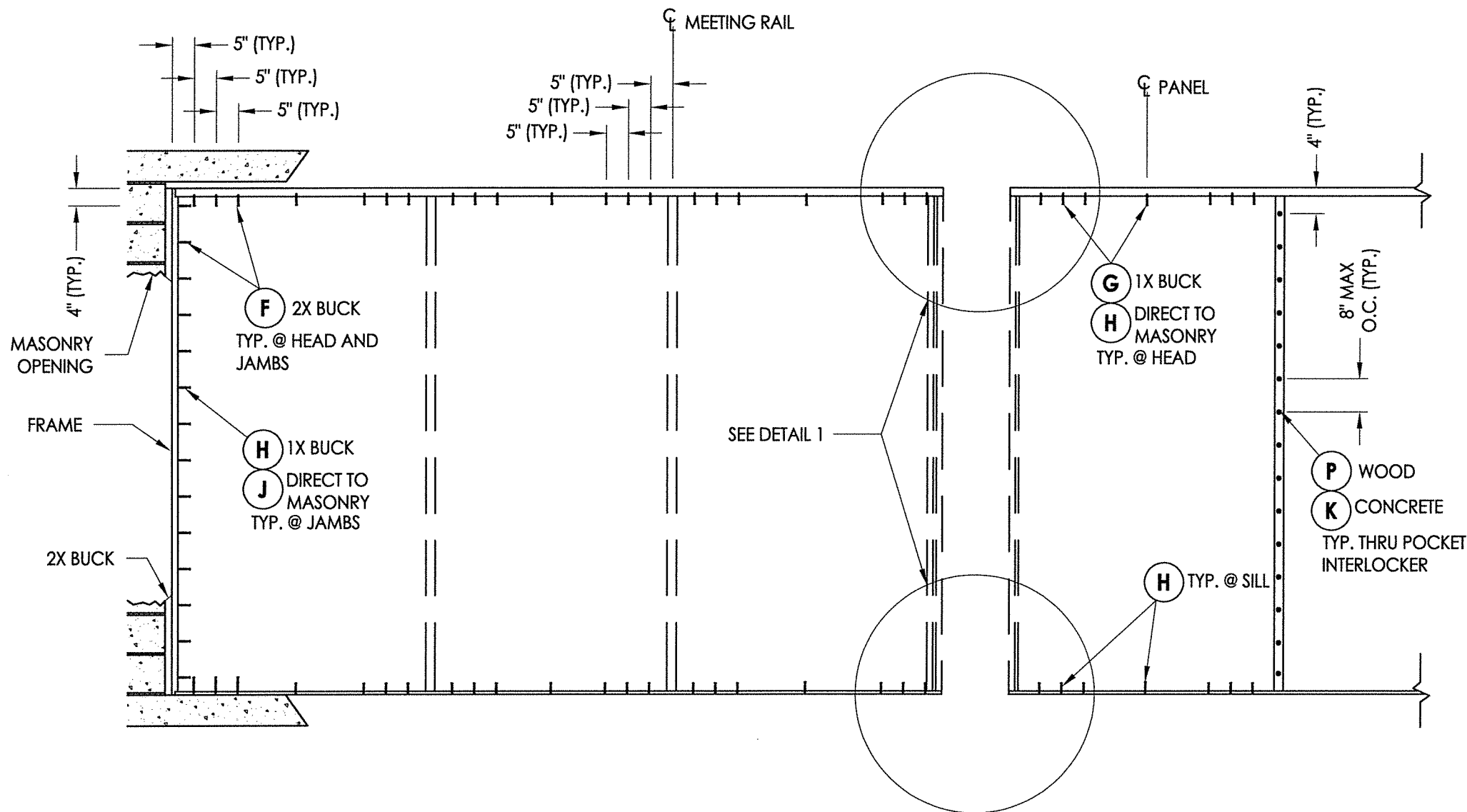
1. A full-depth cut-out (1" wide x 3/16" tall) in track base is necessary to allow for water drainage (12" from each end and 24" o.c.).



|                   |            |                                      |     |
|-------------------|------------|--------------------------------------|-----|
| PRODUCT:          |            | FLEETWOOD WINDOWS & DOORS            |     |
| PART OR ASSEMBLY: |            | VERTICAL CROSS SECTIONS              |     |
| NO.               | DATE       | REVISIONS                            |     |
| 4                 | 8/10/20    | UPDATE TO 7th ED. (2020)             | FBC |
| 3                 | 08/08/17   | UPDATE TO 6TH ED. (2017)             | FBC |
| 2                 | 8/06/15    | CLARIFY MAX PANEL SIZE & CHANGE NAME | JK  |
| 1                 | 04/22/15   | UPDATE TO 5TH ED. (2014)             | FBC |
| NO.               | DATE       | REVISIONS                            |     |
| DATE:             | 3/20/14    |                                      |     |
| SCALE:            | N.T.S.     |                                      |     |
| DWG. BY:          | JK         |                                      |     |
| CHK. BY:          | LFS        |                                      |     |
| DRAWING NO.:      | FL-15560.9 |                                      |     |
| SHEET             | 4          | OF                                   | 8   |







## FRAME ANCHORING

(NOTE: 1 ANCHOR REQUIRED PER EACH TRACK RUN @ EACH LOCATION)

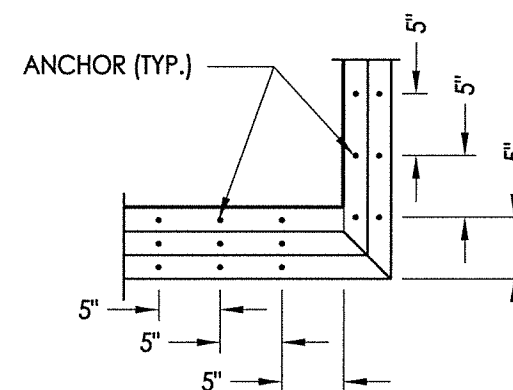
CONCRETE ANCHOR NOTES:

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:

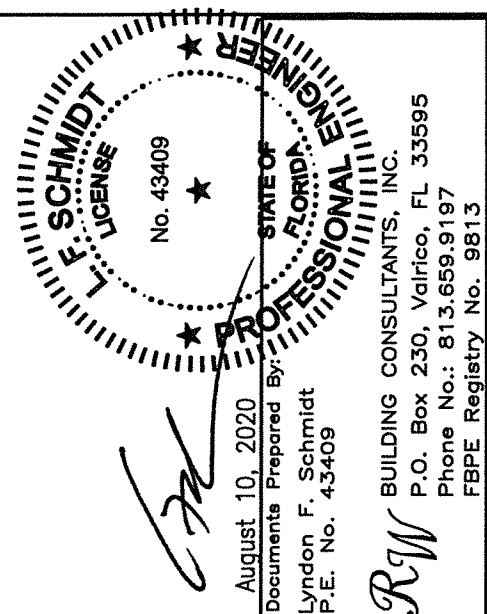
| ANCHOR TYPE      | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|------------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW TAPCON®      | 3/16"       | 1-1/4"         | 2"                             | 1-7/8"                            |
| DeWALT ULTRACON® | 1/4"        | 1-1/4"         | 1"                             | 6"                                |

**WOOD SCREW INSTALLATION NOTES:**

1. Maintain a minimum 3/4" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



### DETAIL 1



August 10, 2020  
Documents Prepared  
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P.E. No. 43409

**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:

## FRAME ANCHORING

|     |          |                          |     |     |
|-----|----------|--------------------------|-----|-----|
| 4   | 8/10/20  | UPDATE TO 7TH ED. (2020) | FBC | DAC |
| 3   | 08/08/17 | UPDATE TO 6TH ED. (2017) | FBC | LFS |
| 2   | 8/06/15  | CLARIFY MAX PANEL SIZE & |     | JK  |
|     |          | CHANGE NAME              |     |     |
| 1   | 04/22/15 | UPDATE TO 5TH ED. (2014) | FBC | JK  |
| NO. | DATE     | REVISIONS                |     |     |

DATE: 3/20/14

SCALE: N.T.S.

DWG. BY: JK

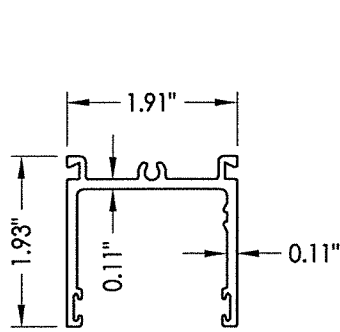
CHK. BY: LFS

DRAWING NO.:

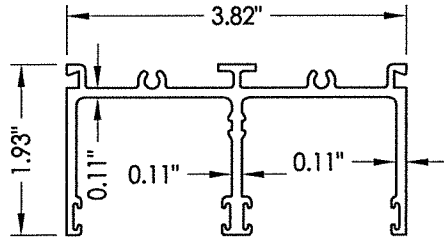
FL-15560.

SHEET 6 OF 8

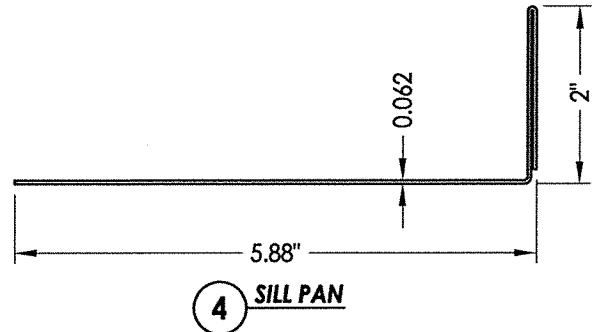
\\dc01\rbw\clients\Fleetwood PERMANENT\A - Florida Product Approvals\FL-15560 Sliding Patio Doors\C - Drawings\FL 15560 (2020)\FL-15560.8-.10.dwg



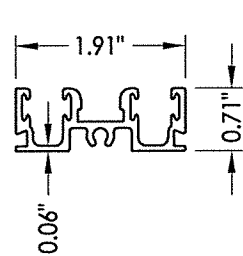
21 HEAD TRACK  
1 Run



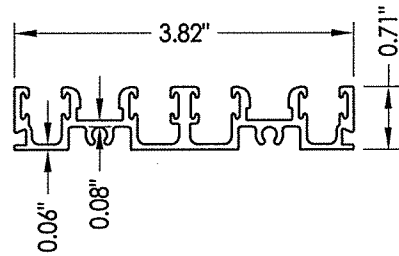
22 HEAD TRACK  
2 Runs



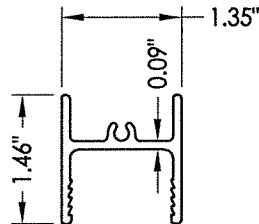
4 SILL PAN



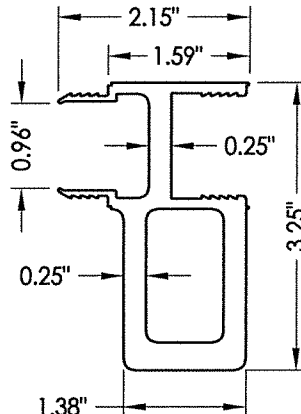
23 SILL TRACK  
1 Run



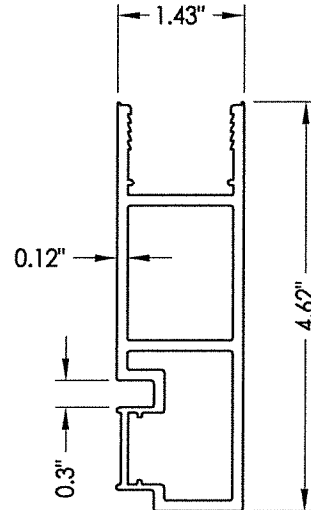
2 SILL TRACK  
2 Runs



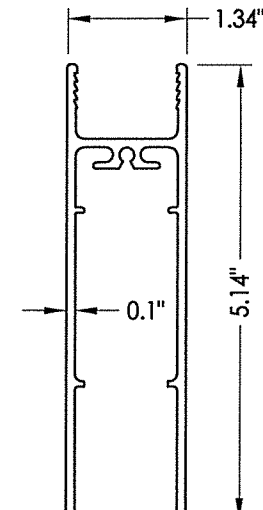
6 TOP RAIL



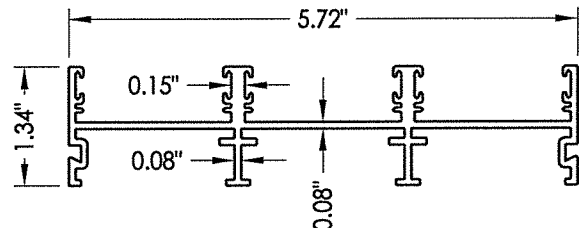
13 WINDLOAD ADAPTER



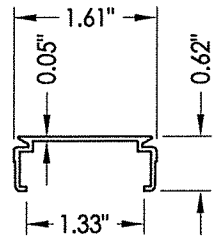
14 90° CORNER LOCK STILE



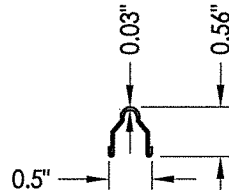
7 BOTTOM RAIL



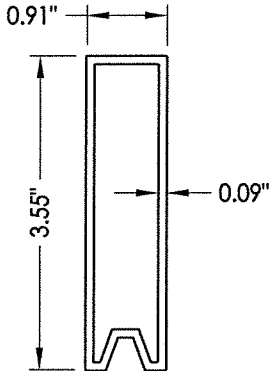
3 JAMB TRACK



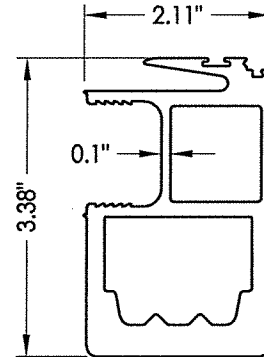
15 JAMB CHANNEL FILLER



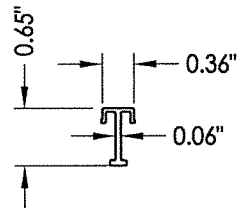
8 TRACK



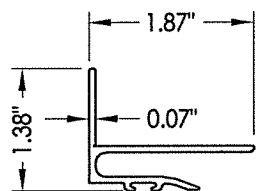
30 PANEL SETTING BLOCK



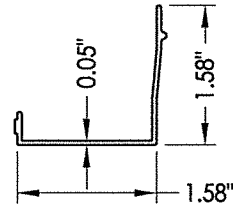
12 INTERLOCK STILE  
High Performance



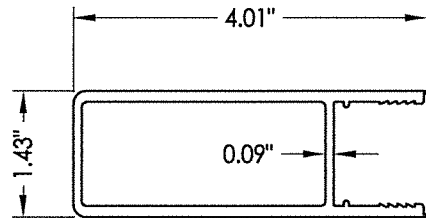
10 SILL CHANNEL FILLER



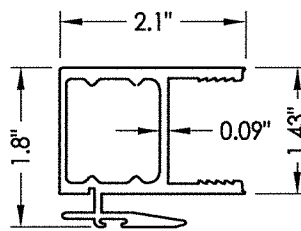
16 POCKET INTERLOCKER



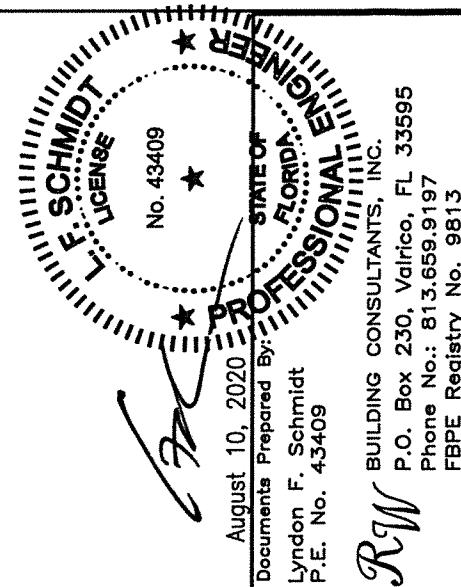
5 HEAD CHANNEL FILLER



9 STILE

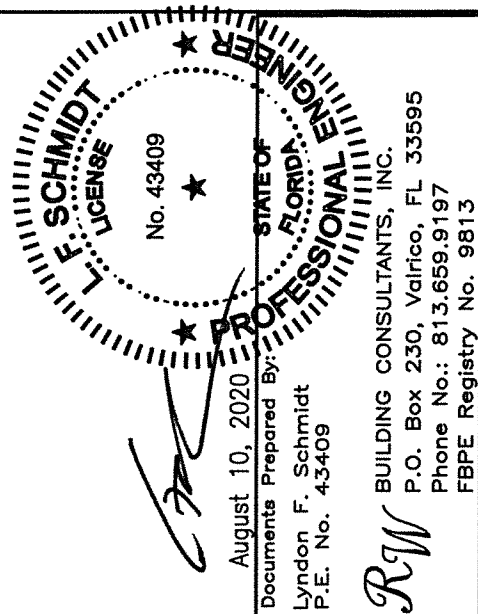
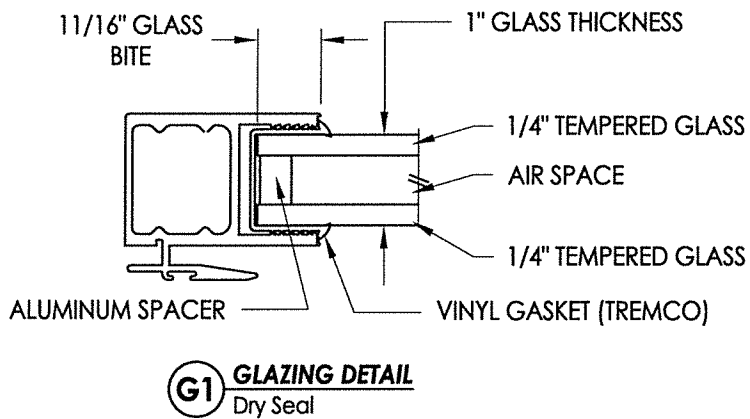


11 INTERLOCK STILE  
Standard



|                         |     |                           |                              |     |  |                   |  |            |  |
|-------------------------|-----|---------------------------|------------------------------|-----|--|-------------------|--|------------|--|
| PRODUCT:                |     | FLEETWOOD WINDOWS & DOORS |                              |     |  | PART OR ASSEMBLY: |  | COMPONENTS |  |
|                         |     |                           |                              |     |  |                   |  |            |  |
|                         | 4   | 8/10/20                   | UPDATE TO 7th ED.(2020) FBC  | DAC |  |                   |  |            |  |
|                         | 3   | 08/08/17                  | UPDATE TO 6TH ED. (2017) FBC | LFS |  |                   |  |            |  |
|                         | 2   | 8/06/15                   | CLARIFY MAX PANEL SIZE &     | JK  |  |                   |  |            |  |
|                         |     |                           | CHANGE NAME                  |     |  |                   |  |            |  |
|                         | 1   | 04/22/15                  | UPDATE TO 5TH ED. (2014) FBC | JK  |  |                   |  |            |  |
|                         | NO. | DATE                      |                              | BY  |  |                   |  |            |  |
| DATE: 3/20/14           |     |                           | REVISIONS                    |     |  |                   |  |            |  |
| SCALE: N.T.S.           |     |                           |                              |     |  |                   |  |            |  |
| DWG. BY: JK             |     |                           |                              |     |  |                   |  |            |  |
| CHK. BY: LFS            |     |                           |                              |     |  |                   |  |            |  |
| DRAWING NO.: FL-15560.9 |     |                           |                              |     |  |                   |  |            |  |
| SHEET 7 OF 8            |     |                           |                              |     |  |                   |  |            |  |

| 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" PFH SMS (1" MIN. EMBEDMENT)                                                           | STEEL        |
| G                 | 3/16" X 2-3/4" ITW PFH CONCRETE SCREW                                                          | STEEL        |
| H                 | 3/16" X 2-1/4" ITW PFH CONCRETE SCREW                                                          | STEEL        |
| J                 | 3/16" X 3-1/4" ITW PFH CONCRETE SCREW                                                          | STEEL        |
| K                 | 1/4" X 1- 3/4" DeWALT PFH CONCRETE SCREW                                                       | STEEL        |
| L                 | #8 X 1/2" PFH SMS                                                                              | STEEL        |
| P                 | #10 X 2" PFH SMS (1-1/2" MIN. EMBEDMENT)                                                       | STEEL        |
| 3                 | JAMB TRACK (3 RUNS)                                                                            | 6063-T6 ALUM |
| 4                 | SILL PAN (TRIPLE RUN)                                                                          | 5052 -ALUM   |
| 5                 | HEAD CHANNEL FILLER                                                                            | 6063-T6 ALUM |
| 6                 | TOP RAIL                                                                                       | 6063-T6 ALUM |
| 7                 | BOTTOM RAIL                                                                                    | 6063-T6 ALUM |
| 8                 | TRACK                                                                                          | S.S.         |
| 9                 | STILE                                                                                          | 6063-T6 ALUM |
| 10                | SILL CHANNEL FILLER                                                                            | 6063-T6 ALUM |
| 11                | STANDARD INTERLOCK STILE                                                                       | 6063-T6 ALUM |
| 12                | HIGH PERFORMANCE INTERLOCK STILE                                                               | 6063-T6 ALUM |
| 13                | WINDLOAD ADAPTER                                                                               | 6063-T6 ALUM |
| 14                | 90° CORNER LOCK STILE                                                                          | 6063-T6 ALUM |
| 15                | JAMB CHANNEL FILLER                                                                            | 6063-T6 ALUM |
| 16                | POCKET INTERLOCKER                                                                             | 6063-T6 ALUM |
| 21                | HEAD TRACK (1 RUN)                                                                             | 6063-T6 ALUM |
| 22                | HEAD TRACK (2 RUNS)                                                                            | 6063-T6 ALUM |
| 23                | SILL TRACK (1 RUN)                                                                             | 6063-T6 ALUM |
| 24                | SILL TRACK (2 RUNS)                                                                            | 6063-T6 ALUM |
| 26                | #8 X 3/4" PPH SMS                                                                              | STEEL        |
| 27                | PRIMARY LATCH                                                                                  | -            |
| 28                | SECONDARY LATCH                                                                                | -            |
| 29                | HANDLE SET                                                                                     | -            |
| 30                | PANEL SETTING BLOCK                                                                            | 6063-T6 ALUM |
| 31                | MAMMOTH ROLLER ASSEMBLY                                                                        | -            |
| 32                | CENTER-FIN WEATHERSEAL .290 HIGH PILE (AMESBURY 43629-270)                                     | -            |
| 33                | HEAVY DENSITY WEATHERSEAL .300 HIGH PILE (AMESBURY 413330-270)                                 | -            |



|                         |  |                                       |  |
|-------------------------|--|---------------------------------------|--|
| DATE: 3/20/14           |  | PRODUCT: FLEETWOOD WINDOWS & DOORS    |  |
| SCALE: N.T.S.           |  | PART OR ASSEMBLY:                     |  |
| DWG. BY: JK             |  | BILL OF MATERIALS AND GLAZING DETAILS |  |
| CHK. BY: LFS            |  |                                       |  |
| DRAWING NO.: FL-15560.9 |  |                                       |  |
| SHEET 8 OF 8            |  |                                       |  |