



**Series 9000 Model 9550**  
**Slider XO**  
**IMPACT RATED**  
**w/ Flange**

## GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) 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 E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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.

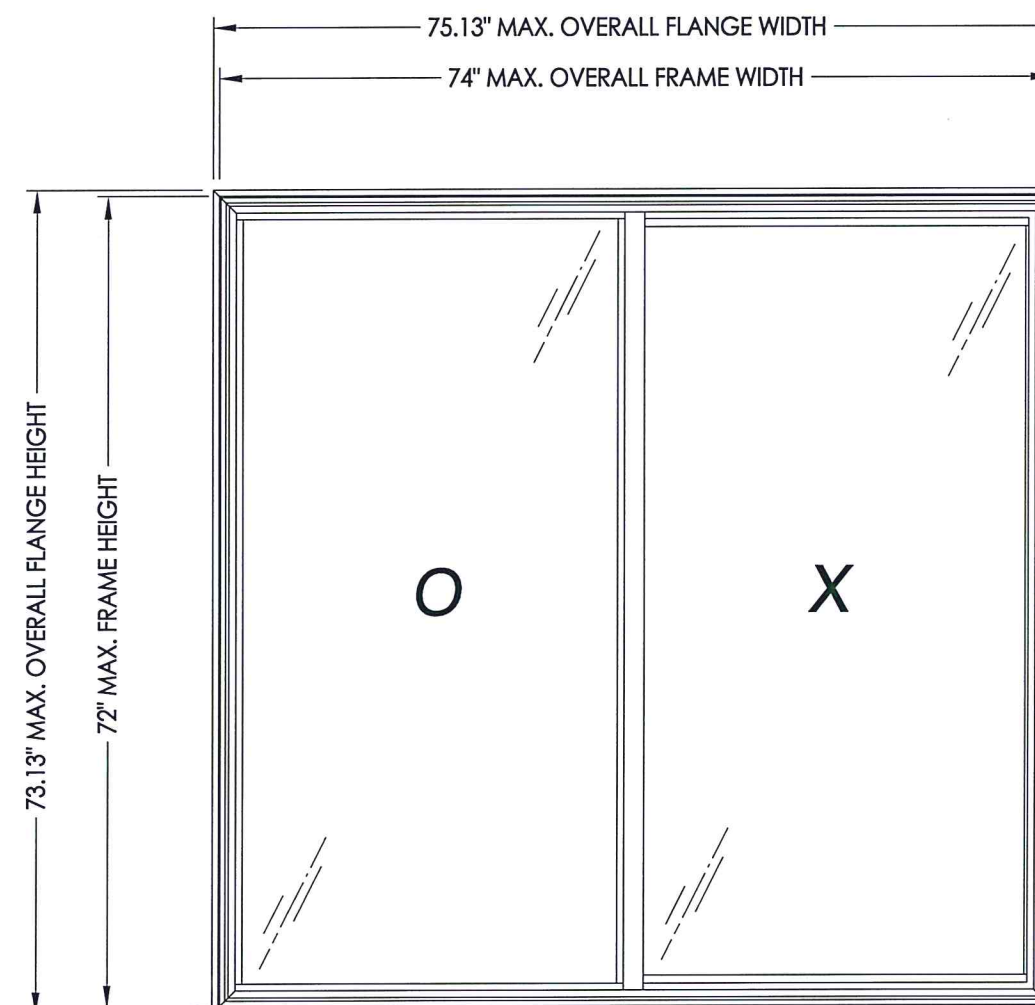
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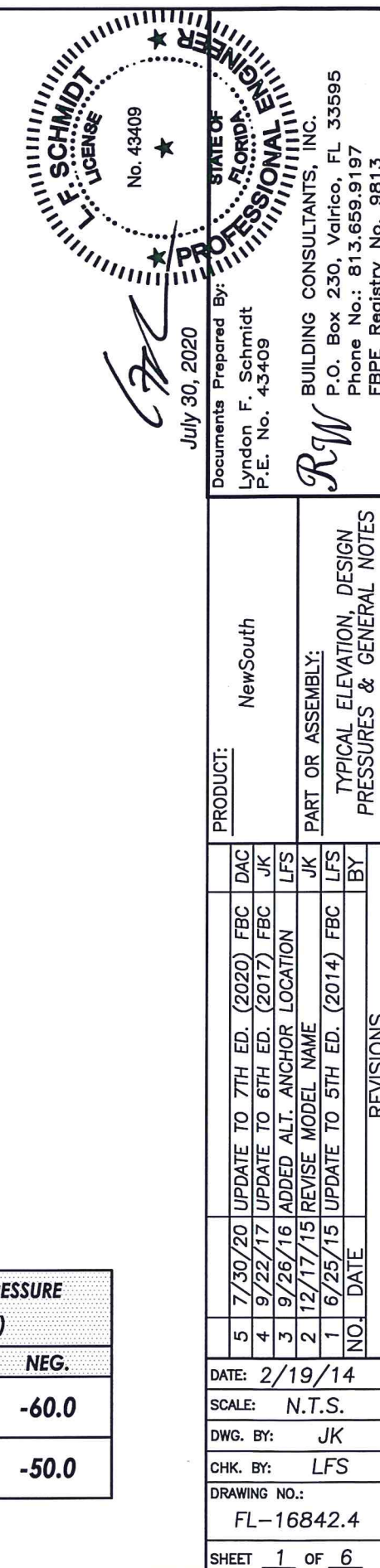
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.

5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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| SHEET#            | DESCRIPTION                                          |
| 1                 | Typical elevations, design pressures & general notes |
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| 3                 | Vertical & horizontal cross sections                 |
| 4                 | Buck & frame anchoring                               |
| 5                 | Components                                           |
| 6                 | Bill of materials and glazing details                |

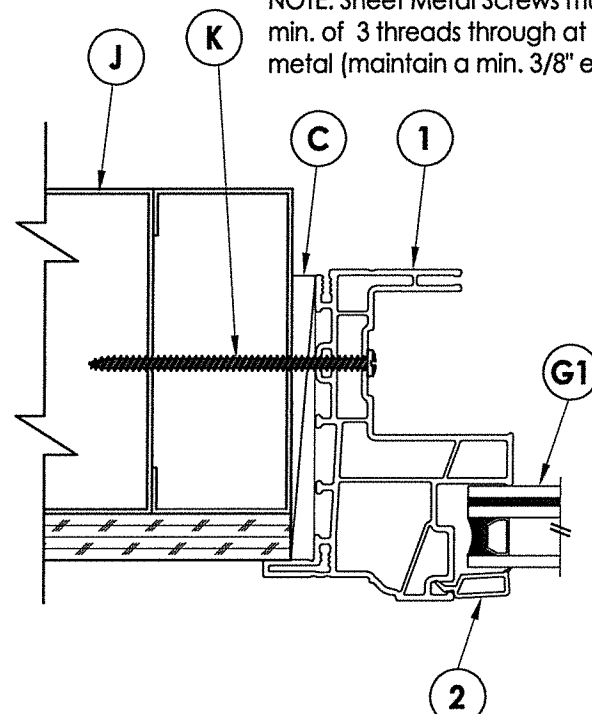


| MAX. OVERALL<br>FLANGE<br>DIMENSION | MAX. OVERALL<br>FRAME<br>DIMENSION | MAX<br>DAY LITE<br>DIMENSION<br>(OPERABLE) | MAX<br>DAY LITE<br>DIMENSION<br>(FIXED) | GLASS<br>TYPE | DESIGN PRESSURE<br>(PSF) |       |
|-------------------------------------|------------------------------------|--------------------------------------------|-----------------------------------------|---------------|--------------------------|-------|
|                                     |                                    |                                            |                                         |               | POS.                     | NEG.  |
| 75.125" X 64.125"                   | 74.0" X 63.0"                      | 33.38" X 57.38"                            | 33.625" X 58.75"                        | G1            | +50.0                    | -60.0 |
| 75.125" X 73.125"                   | 74.0" X 72.0"                      | 33.38" X 66.38"                            | 33.625" X 67.75"                        | G1            | +45.0                    | -50.0 |

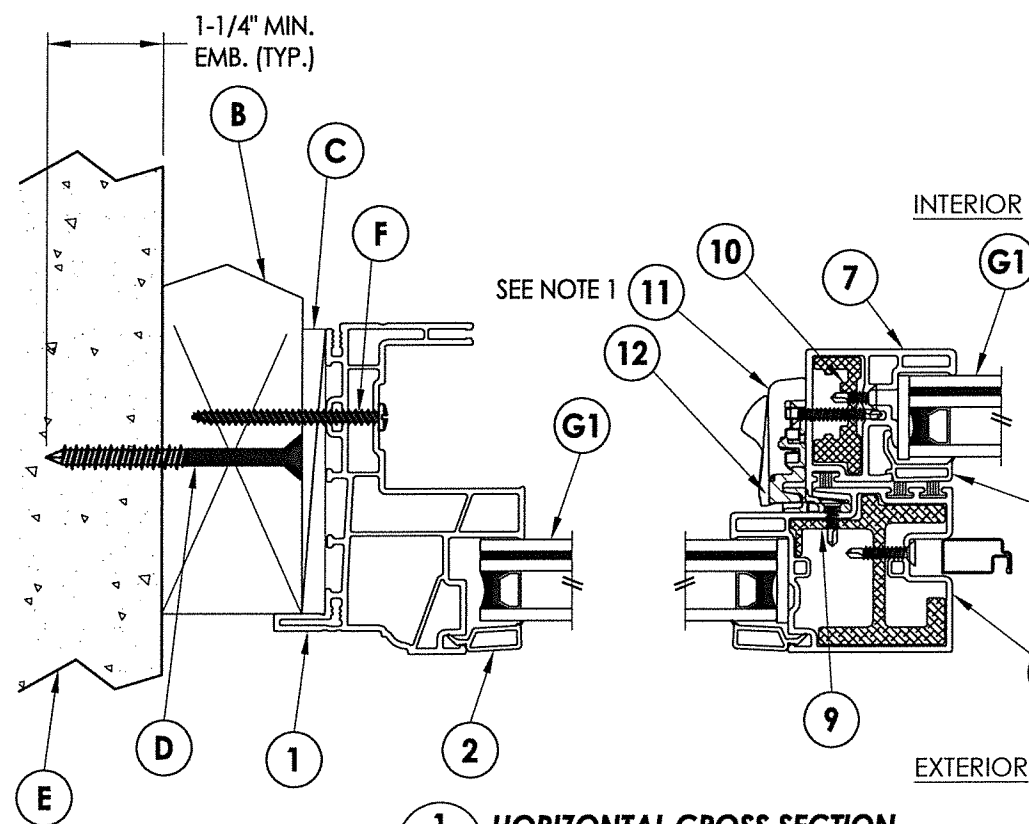


1. Lock and keeper located 7" from each end of lock/meeting stile.
2. Metal roller assembly located 2" from each end of the bottom rail.
3. Anti-lift secured to head with (6) #6 x 1/2" PPH SMS.

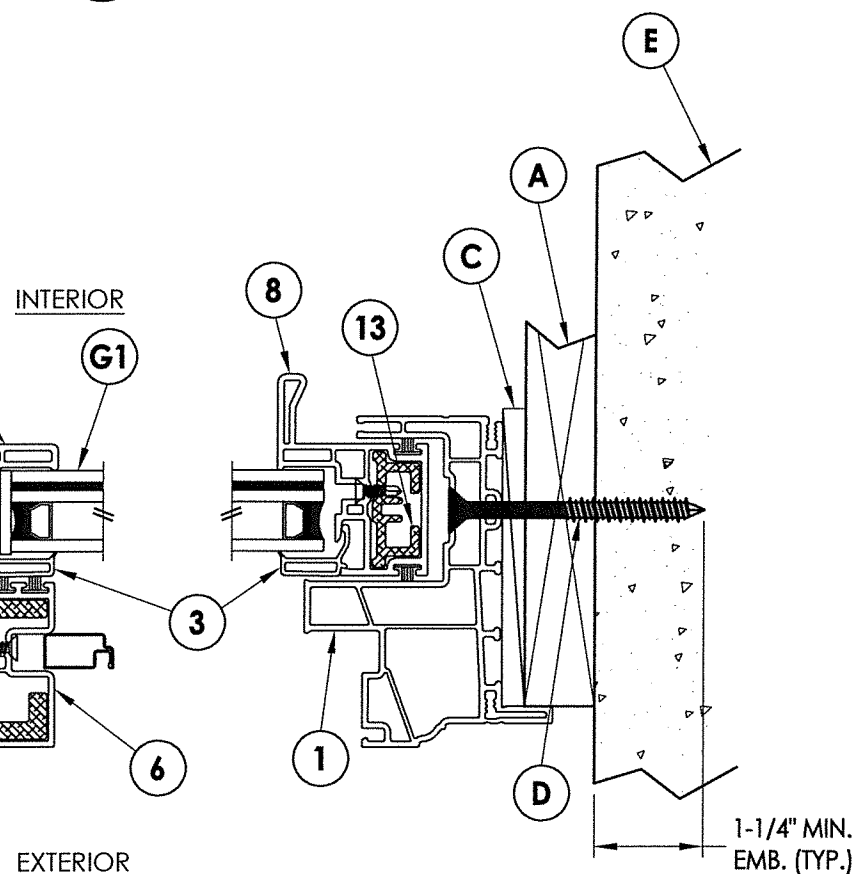
NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least 2 sheets of metal (maintain a min. 3/8" edge distance).



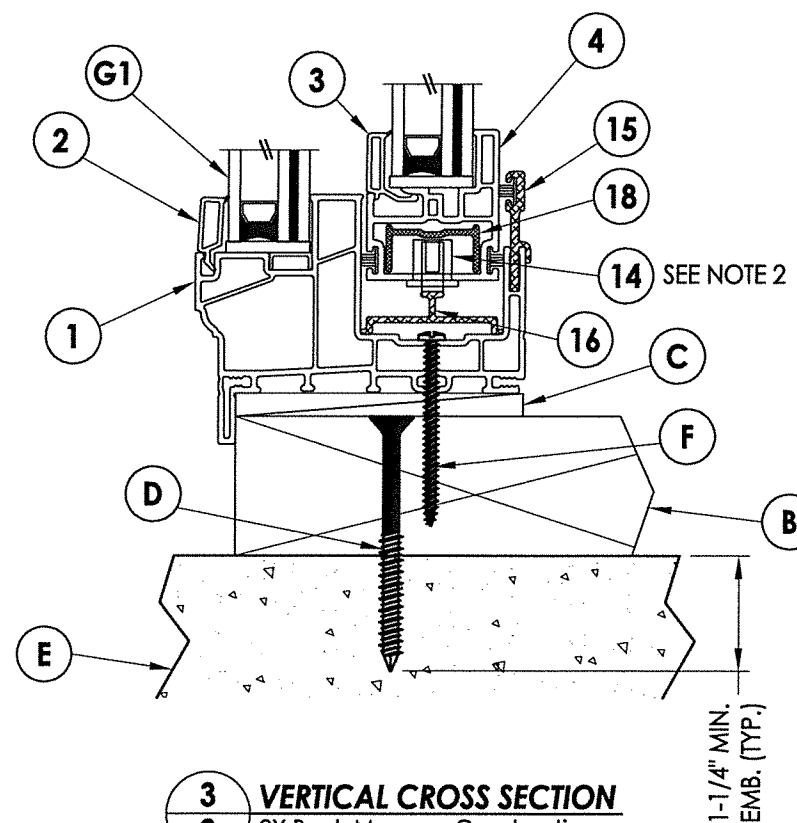
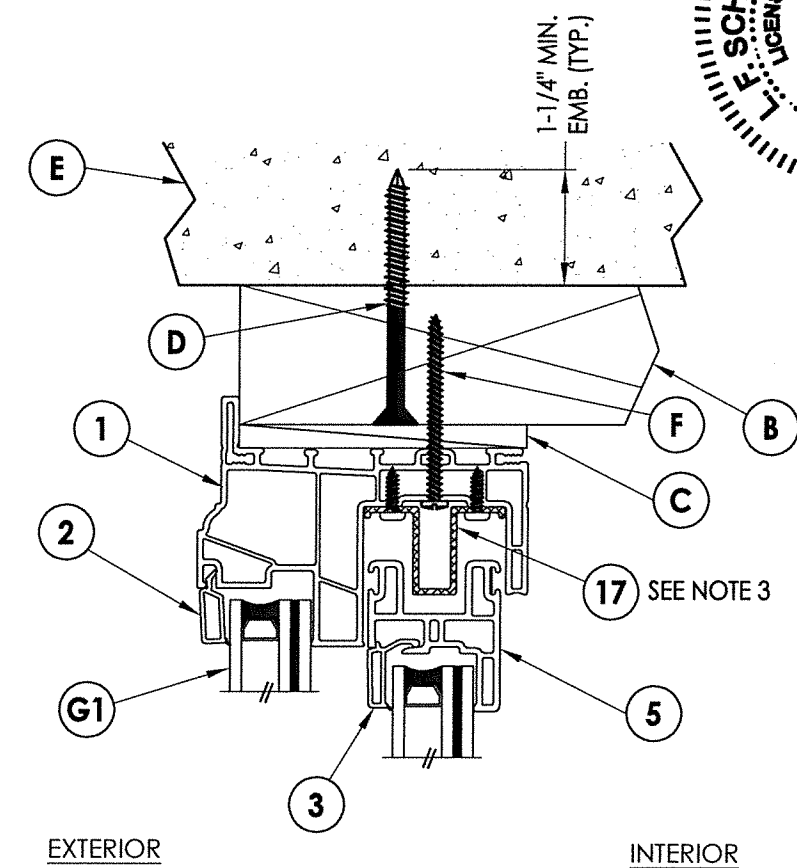
**4** **HORIZONTAL CROSS SECTION**  
**2** Metal Stud Construction



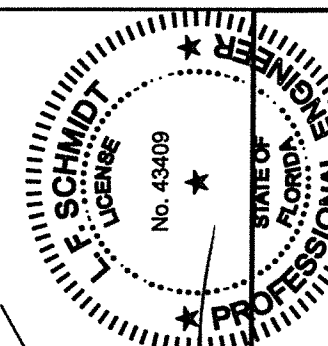
- 1 **HORIZONTAL CROSS SECTION**
- 2 2X Buck Masonry Construction



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



**3 VERTICAL CROSS SECTION**  
**2** 2X Buck Masonry Construction



July 30, 2020

Documents Prepared By:

Lyndon F. Schmidt

OR ASSEMBLY:  
VERTICAL & HORIZONTAL  
CROSS SECTIONS

**BUILDING CONSULTANTS, INC.**  
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Phone No.: 813.659.9197  
FBPE Registry No. 9813

[illegible]

DATE: 2/19/14

SCALE: N.T.S.

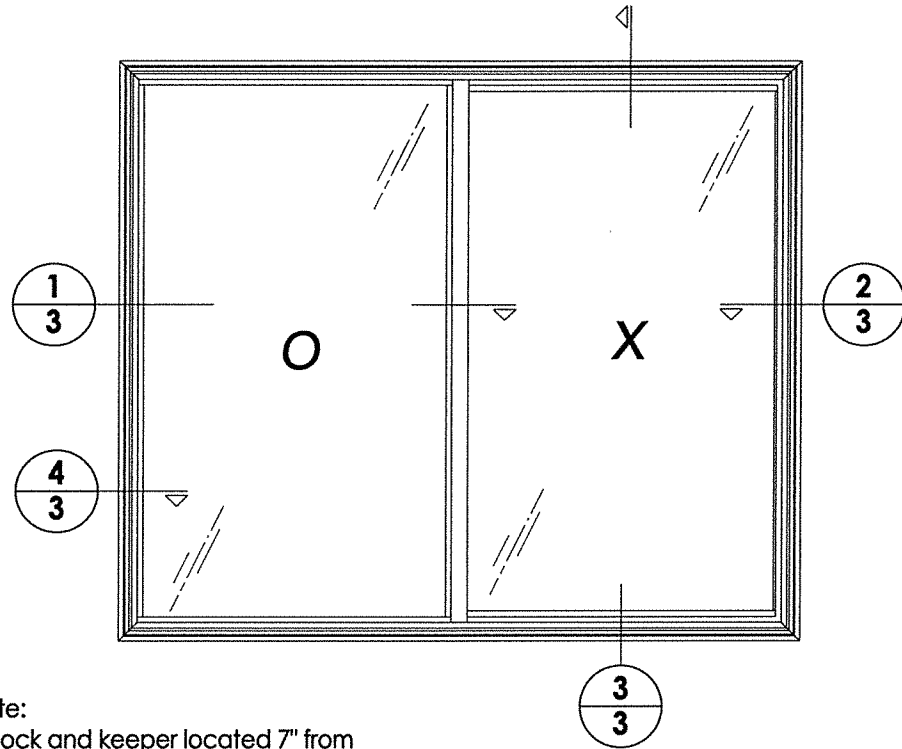
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:  
FL-16842.4

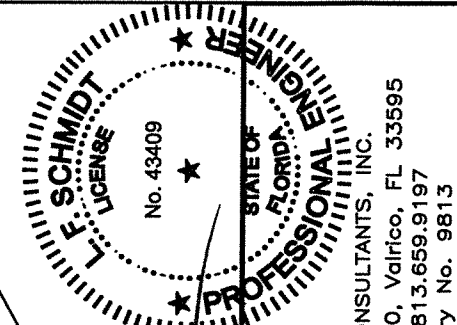
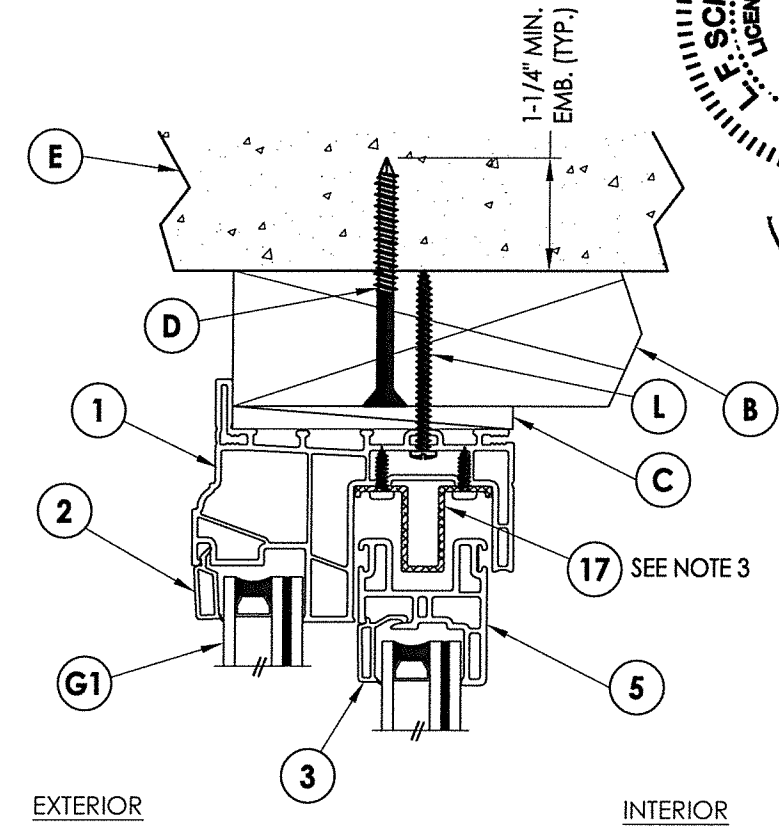
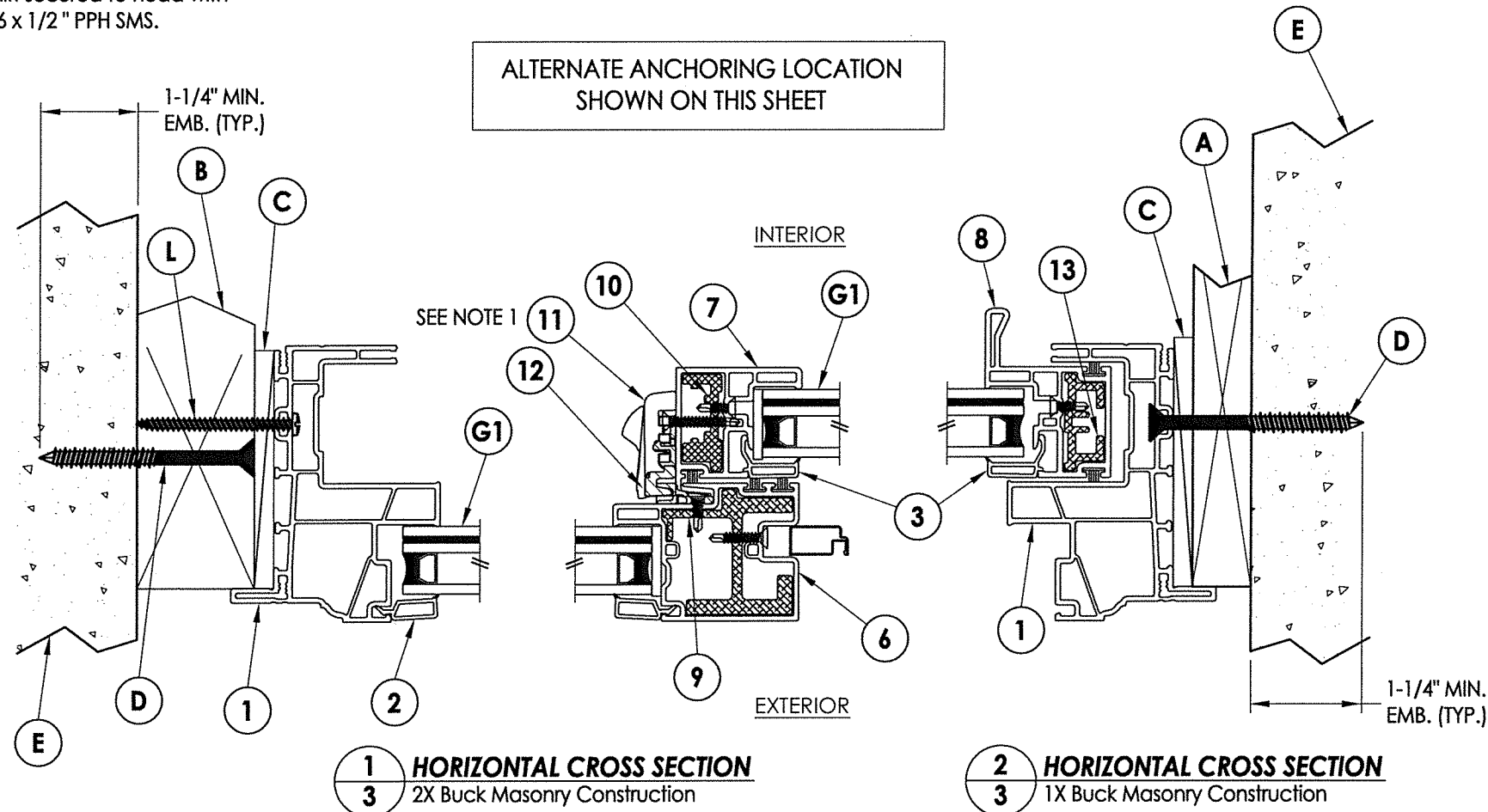
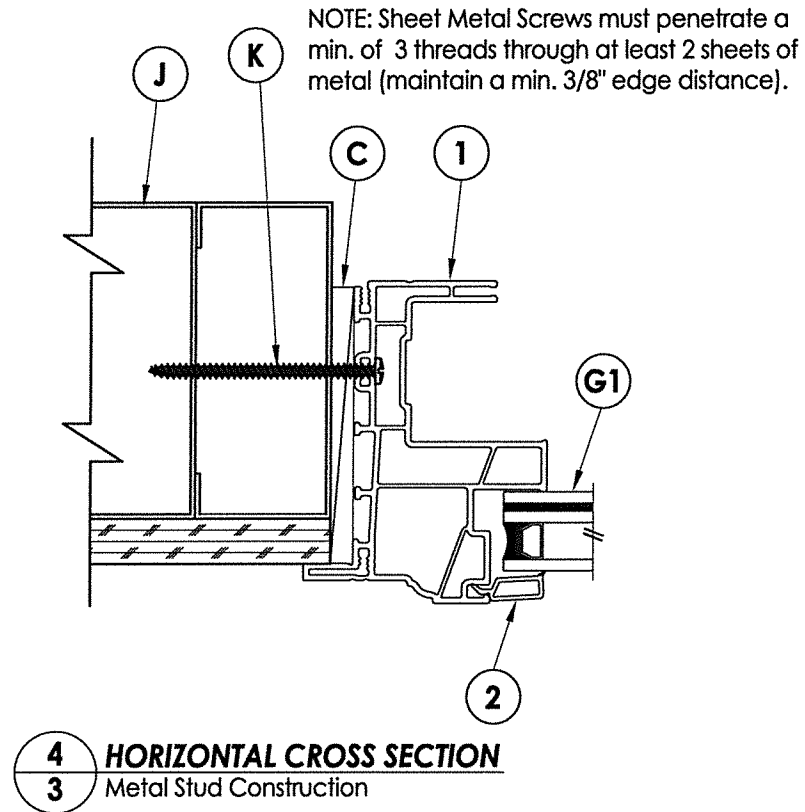
SHEET 2 OF 6

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Note:

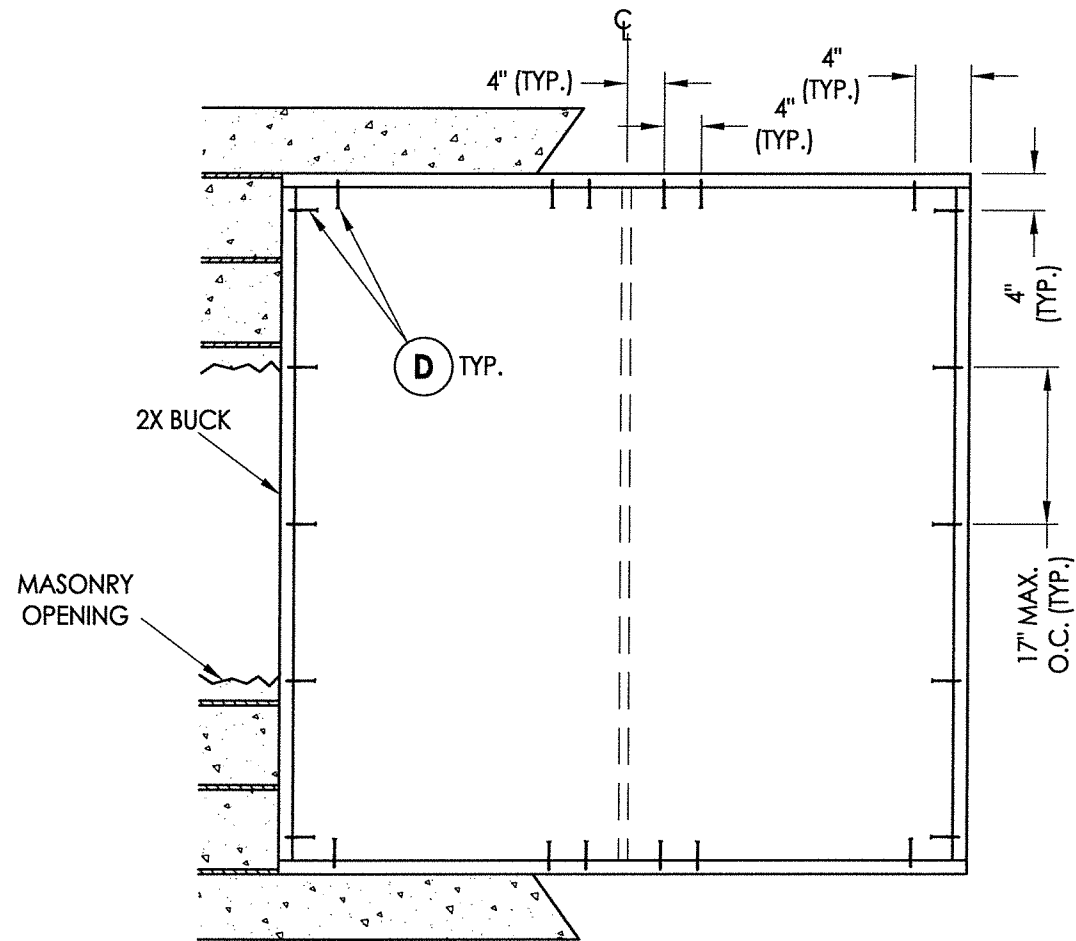
1. Lock and keeper located 7" from each end of lock/meeting stile.
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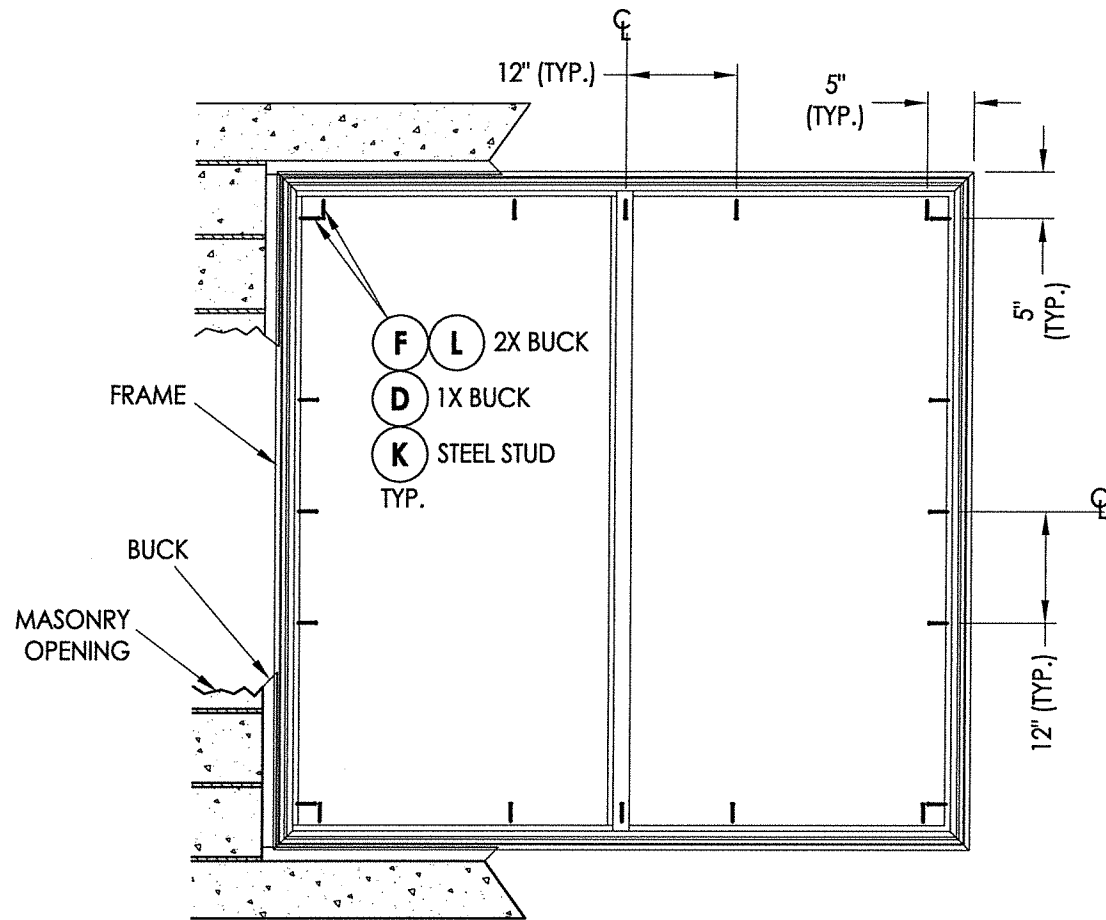
July 30, 2020  
Documents Prepared By:  
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|                   |            |                                                        |     |
|-------------------|------------|--------------------------------------------------------|-----|
| PRODUCT: NewSouth |            | PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS |     |
| 5                 | 7/30/20    | UPDATE TO 7TH ED. (2020)                               | DAC |
| 4                 | 9/22/17    | UPDATE TO 6TH ED. (2017)                               | JK  |
| 3                 | 9/26/16    | ADDED ALT. ANCHOR LOCATION                             | JK  |
| 2                 | 12/17/15   | REVISE MODEL NAME                                      | JK  |
| 1                 | 6/25/15    | UPDATE TO 5TH ED. (2014)                               | LFS |
| NO.               | DATE       | REVISIONS                                              |     |
| 5                 | 7/30/20    | UPDATE TO 7TH ED. (2020)                               | DAC |
| 4                 | 9/22/17    | UPDATE TO 6TH ED. (2017)                               | JK  |
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| DATE:             | 2/19/14    |                                                        |     |
| SCALE:            | N.T.S.     |                                                        |     |
| DWG. BY:          | JK         |                                                        |     |
| CHK. BY:          | LFS        |                                                        |     |
| DRAWING NO.:      | FL-16842.4 |                                                        |     |
| SHEET             | 3          | OF                                                     | 6   |

R:\Clients\New South Windows PERMANENT\A - Florida Product Approvals\EL-16842 Horizontal Slider\C - Drawings\EL-16842 (2020).R5\EL-16842.dwg, 4.4



2X BUCK ANCHORING



FRAME ANCHORING

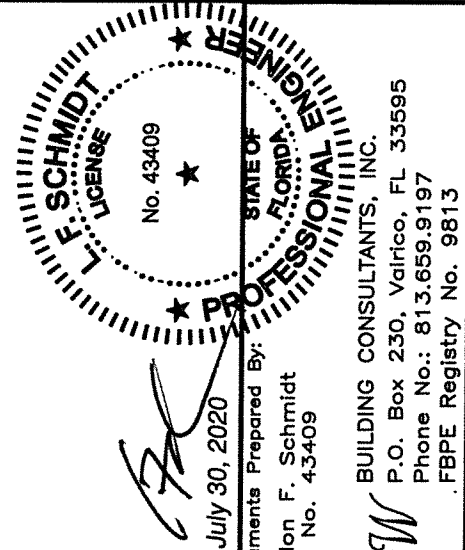
CONCRETE ANCHOR NOTES:

- 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"                                |
| ELCO 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.



July 30, 2020

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Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: NewSouth

PART OR ASSEMBLY:  
BUCK & FRAME  
ANCHORING

| NO. | DATE     | REVISIONS                        |
|-----|----------|----------------------------------|
| 5   | 7/30/20  | UPDATE TO 7TH ED. (2020) FBC DAC |
| 4   | 9/22/17  | UPDATE TO 6TH ED. (2017) FBC JK  |
| 3   | 9/26/16  | ADDED ALT. ANCHOR LOCATION LFS   |
| 2   | 12/17/15 | REVISE MODEL NAME JK             |
| 1   | 6/25/15  | UPDATE TO 5TH ED. (2014) FBC LFS |
| NO. | DATE     | BY                               |

DATE: 6/21/17

SCALE: N.T.S.

DWG. BY: JK

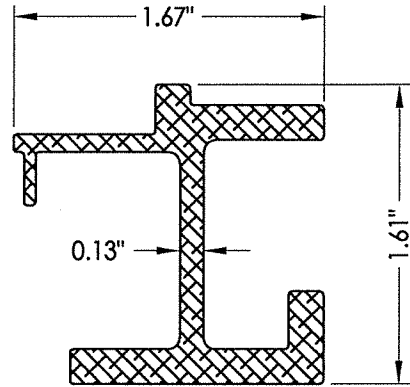
CHK. BY: LFS

DRAWING NO.:

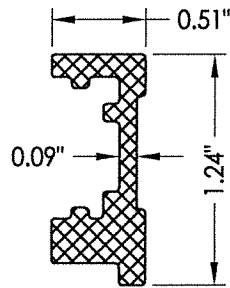
FL-16842.4

SHEET 4 OF 6

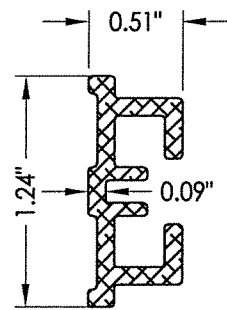
\\dc01\wbc\Clients\New South Windows PERMANENTVA - Florida Product Approvals\FL-16842 Horizontal Slider\C - Drawings\FL-16842 (2020) R5\FL-16842.4.dwg



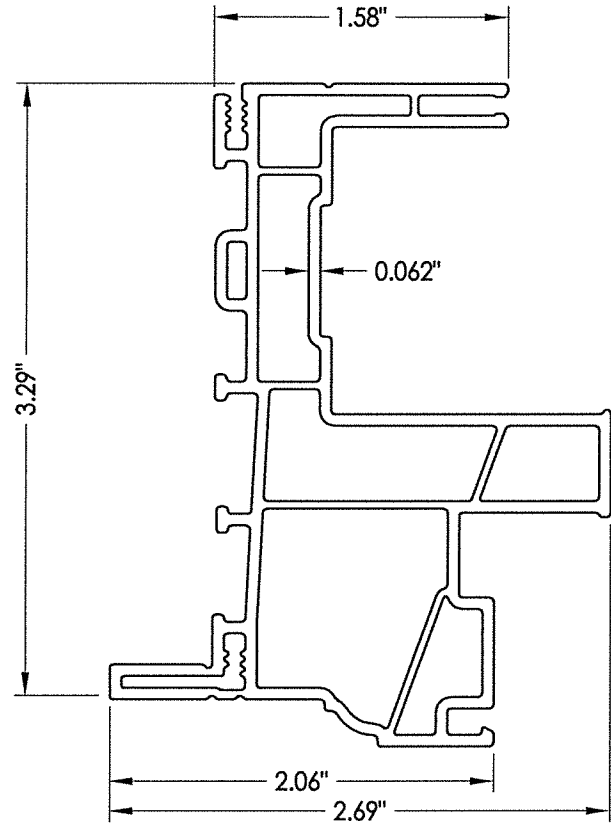
9 MEETING STILE REINFORCEMENT



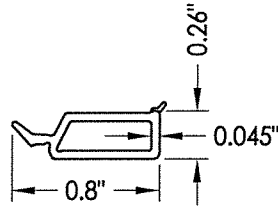
10 LOCK STILE REINFORCEMENT



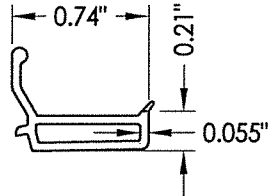
13 HANDLE STILE REINFORCEMENT



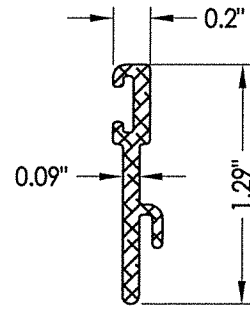
1 FRAME



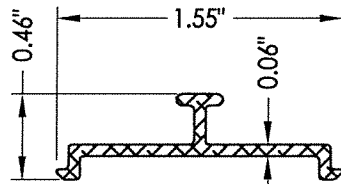
2 GLAZING BEAD



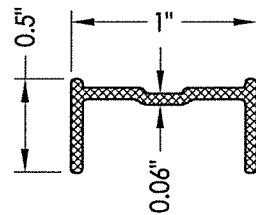
3 GLAZING BEAD



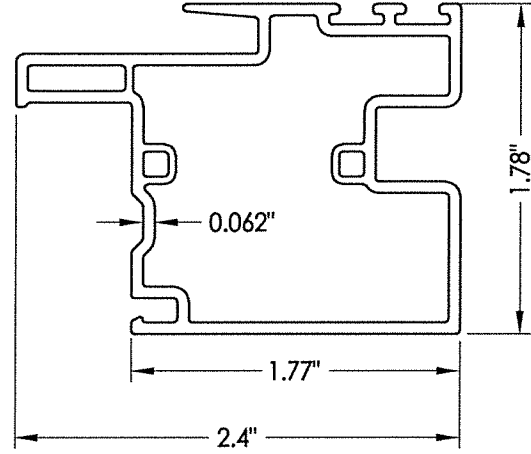
15 SILL RISER



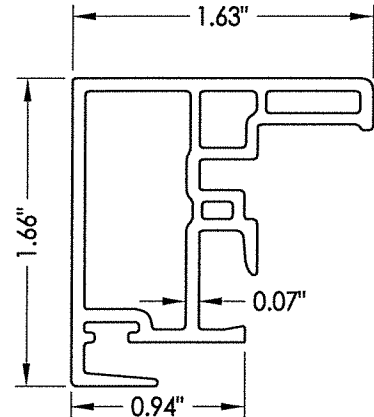
16 ROLLER TRACK



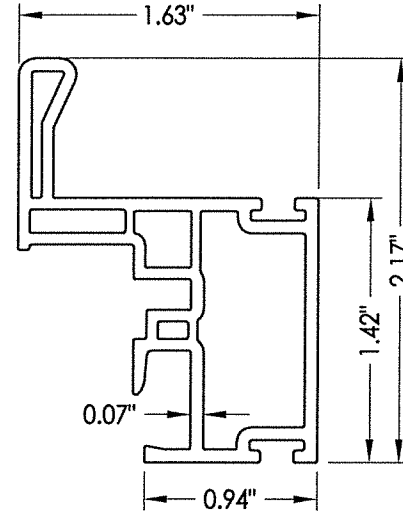
18 BOTTOM RAIL REINFORCEMENT



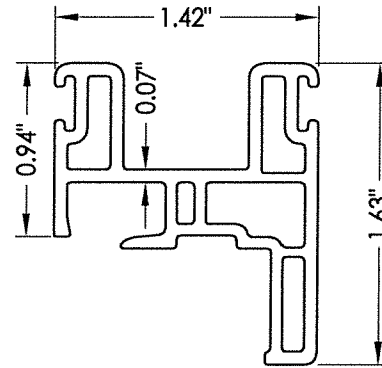
6 MEETING STILE



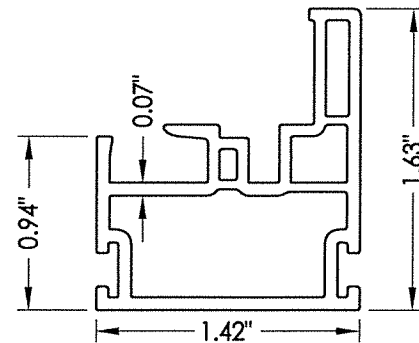
7 LOCK STILE



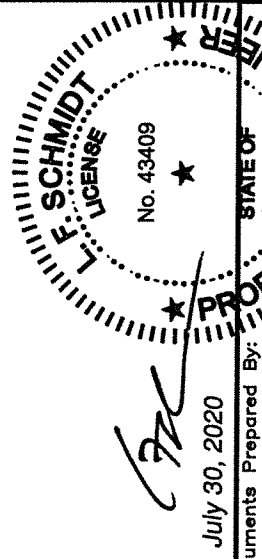
8 HANDLE STILE



5 TOP RAIL



4 BOTTOM RAIL



July 30, 2020

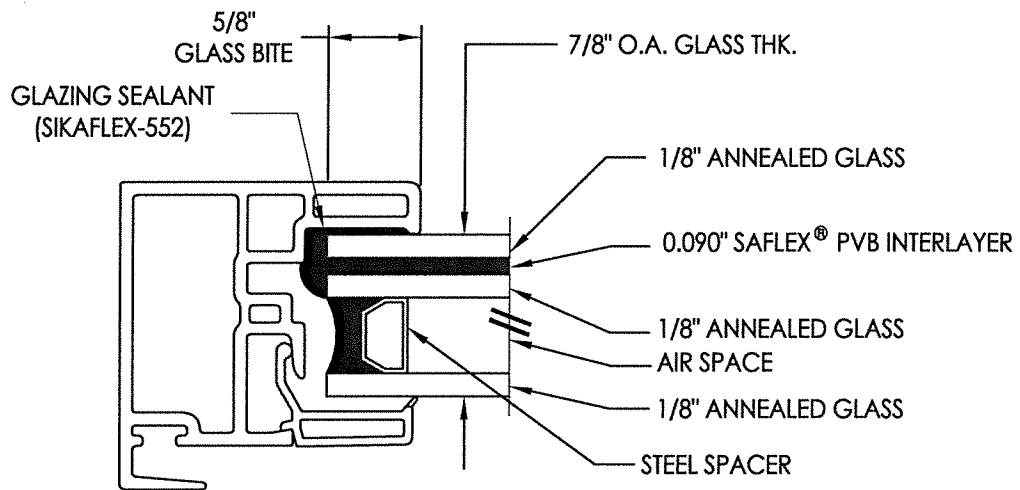
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| PRODUCT:                |          | PART OR ASSEMBLY:          |      | COMPONENTS |  |
|-------------------------|----------|----------------------------|------|------------|--|
| NewSouth                |          |                            |      |            |  |
| NO.                     | DATE     | REVISIONS                  | DATE | BY         |  |
| 5                       | 7/30/20  | UPDATE TO 7TH ED. (2020)   | FBC  | DAC        |  |
| 4                       | 9/22/17  | UPDATE TO 6TH ED. (2017)   | FBC  | JK         |  |
| 3                       | 9/26/16  | ADDED ALT. ANCHOR LOCATION | LFS  |            |  |
| 2                       | 12/17/15 | REVISE MODEL NAME          | JK   |            |  |
| 1                       | 6/25/15  | UPDATE TO 5TH ED. (2014)   | FBC  | LFS        |  |
| DATE: 2/19/14           |          |                            |      |            |  |
| SCALE: N.T.S.           |          |                            |      |            |  |
| DWG. BY: JK             |          |                            |      |            |  |
| CHK. BY: LFS            |          |                            |      |            |  |
| DRAWING NO.: FL-16842.4 |          |                            |      |            |  |
| SHEET 5 OF 6            |          |                            |      |            |  |

| BILL OF MATERIALS |                                                                                                |                |
|-------------------|------------------------------------------------------------------------------------------------|----------------|
| ITEM #            | DESCRIPTION                                                                                    | MATERIAL       |
| B                 | 2X BUCK (SG >= 0.42)                                                                           | WOOD           |
| C                 | 1/4" MAX. SHIM SPACE                                                                           | -              |
| D                 | 1/4" X 2-3/4" PFH ELCO 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                 | #10 X 2" PPH SMS (1-1/4" MIN. EMBEDMENT)                                                       | STEEL          |
| J                 | STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 ksi min., Fu=45 ksi min.)                  | STEEL          |
| K                 | #10 PPH SELF-DRILLING SMS                                                                      | STEEL          |
| L                 | #10 X 2" PPH SMS (1-1/2" MIN. EMBEDMENT)                                                       | STEEL          |
| 1                 | EXTRUDED VINYL FRAME (439)*                                                                    | RIGID PVC      |
| 2                 | EXTRUDED VINYL GLAZING BEAD (736A)*                                                            | RIGID PVC      |
| 3                 | EXTRUDED VINYL GLAZING BEAD (425A) *                                                           | RIGID PVC      |
| 4                 | BOTTOM RAIL (424B)*                                                                            | RIGID PVC      |
| 5                 | TOP RAIL (478)*                                                                                | RIGID PVC      |
| 6                 | MEETING STILE (477)*                                                                           | RIGID PVC      |
| 7                 | LOCK STILE (476)*                                                                              | RIGID PVC      |
| 8                 | HANDLE STILE (475B)*                                                                           | RIGID PVC      |
| 9                 | MEETING STILE REINFORCEMENT                                                                    | 6063 - T5 ALUM |
| 10                | LOCK STILE REINFORCEMENT                                                                       | 6063 - T5 ALUM |
| 11                | SASH LOCK                                                                                      | -              |
| 12                | KEEPER                                                                                         | -              |
| 13                | HANDLE STILE REINFORCEMENT                                                                     | 6063 - T5 ALUM |
| 14                | ROLLER (TRUTH #2433-1000)                                                                      | -              |
| 15                | SILL RISER                                                                                     | 6063 - T5 ALUM |
| 16                | ROLLER TRACK                                                                                   | 6063 - T5 ALUM |
| 17                | ANTI-LIFT ALUMINUM                                                                             | 6063 - T5 ALUM |
| 18                | BOTTOM RAIL REINFORCEMENT                                                                      | 6063 - T5 ALUM |
| 20                | WEATHERSTRIP (.187" X .290")                                                                   | -              |

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



### **G1** GLAZING DETAIL

