

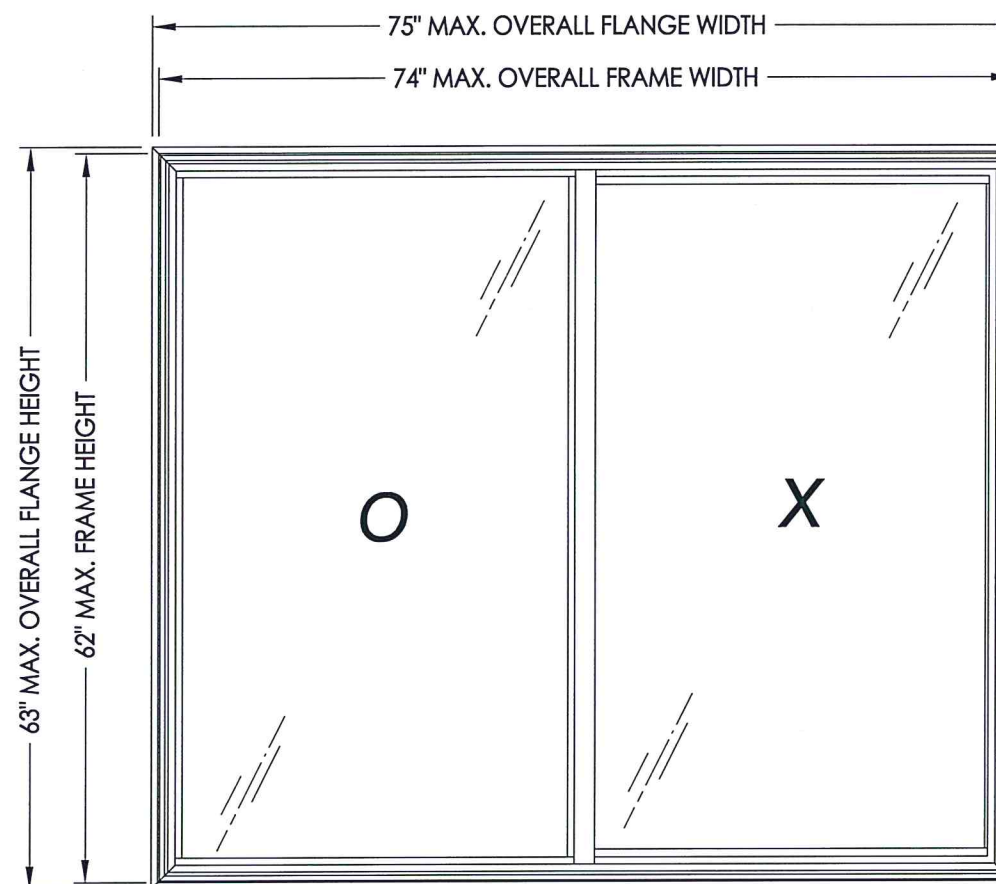


**Series 9000 Model 9500**  
**SLIDER XO**  
**w/ Flange**  
**"NON-IMPACT"**

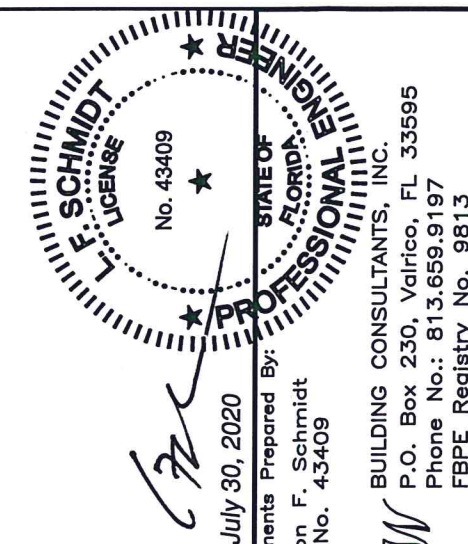
## GENERAL NOTES

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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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 elevations, design pressures & general notes |
| 2                 | Vertical & horizontal cross sections                 |
| 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.  |
| 75.0" X 63.0"                       | 74.0" X 62.0"                      | 33.5" X 56.31"                             | 33.5" X 57.75"                          | G1            | +45.0                    | -45.0 |
|                                     |                                    |                                            |                                         | G2            | +55.0                    | -60.0 |
| 61.0" X 61.0"                       | 60.0" X 60.0"                      | 26.5" X 54.31"                             | 26.5" X 55.75"                          | G1            | +50.0                    | -50.0 |



Documents Prepared By:  
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FBPE Registry No. 9813

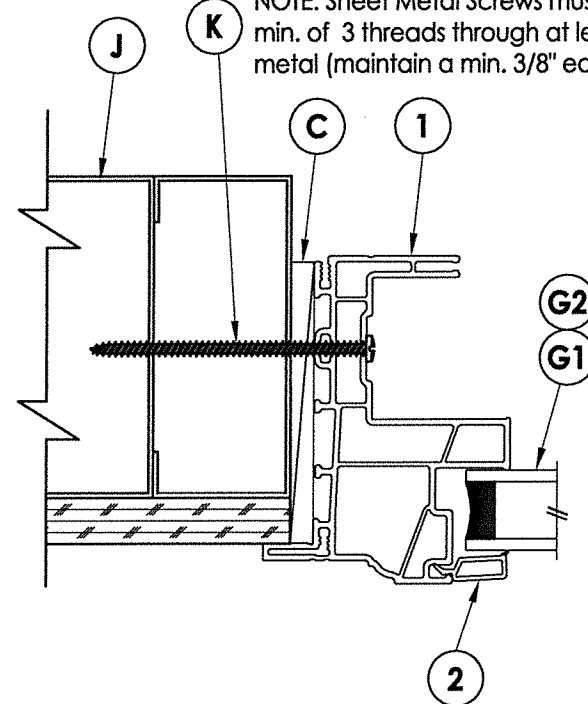
[illegible]

Diagram illustrating the cross-section of a window frame assembly, showing the interior and exterior sides. The diagram includes numbered callouts (1, 6, 7, 9, 10) and lettered callouts (G1, G2) pointing to various components of the frame and glazing system.

1-1/4" MIN.  
EMB. (TYP.)

## 4 HORIZONTAL CROSS SECTION

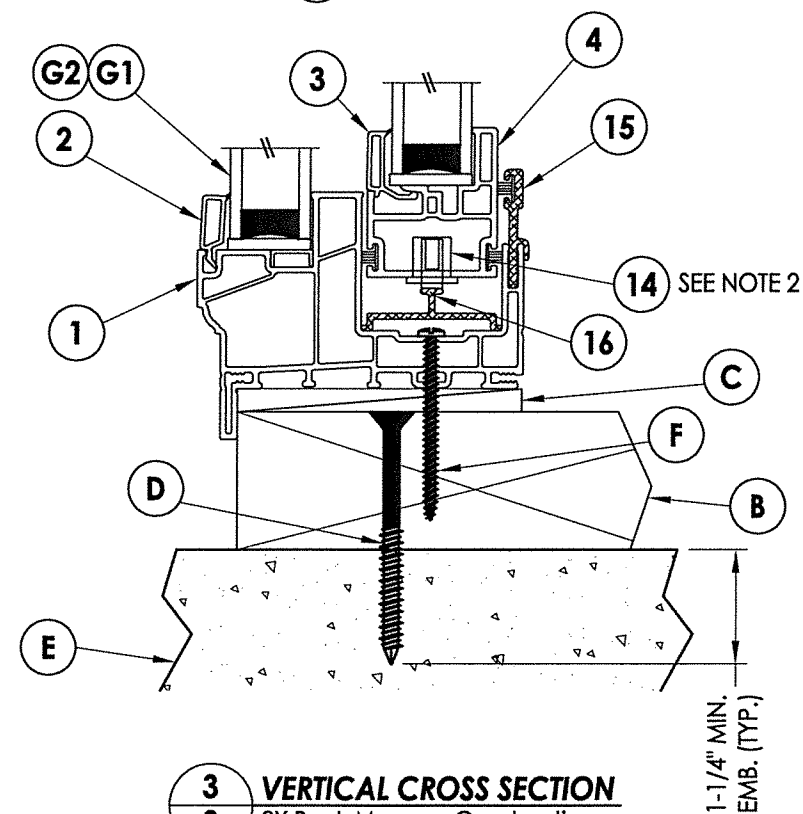
### 2 Metal Stud Construction



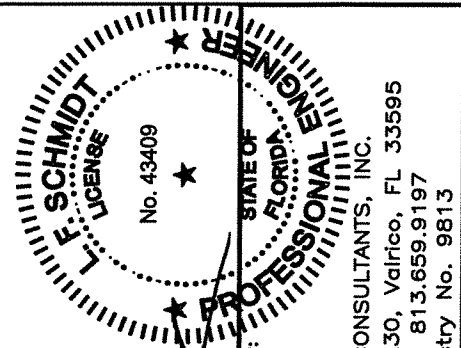
Technical cross-section diagram of a window assembly, showing the exterior and interior views. The diagram includes the following labels and components:

- Labels:** A, B, C, D, E, F, G1, G2, 1, 2, 3, 5, 17.
- Notes:** SEE NOTE 3.
- Orientation:** EXTERIOR (left side), INTERIOR (right side).
- Components:**
  - A:** Exterior cladding or insulation layer.
  - B:** Interior cladding or insulation layer.
  - C:** Window frame or sash assembly.
  - D:** Thermal break or insulation layer within the frame.
  - E:** Fastener or screw securing the exterior cladding.
  - F:** Fastener or screw securing the interior cladding.
  - G1, G2:** Gaskets or seals at the bottom of the frame.
  - 1, 2, 3, 5:** Various structural components of the window frame and sash.
  - 17:** A specific component or detail, likely a hinge or latch mechanism, as indicated by the note.

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

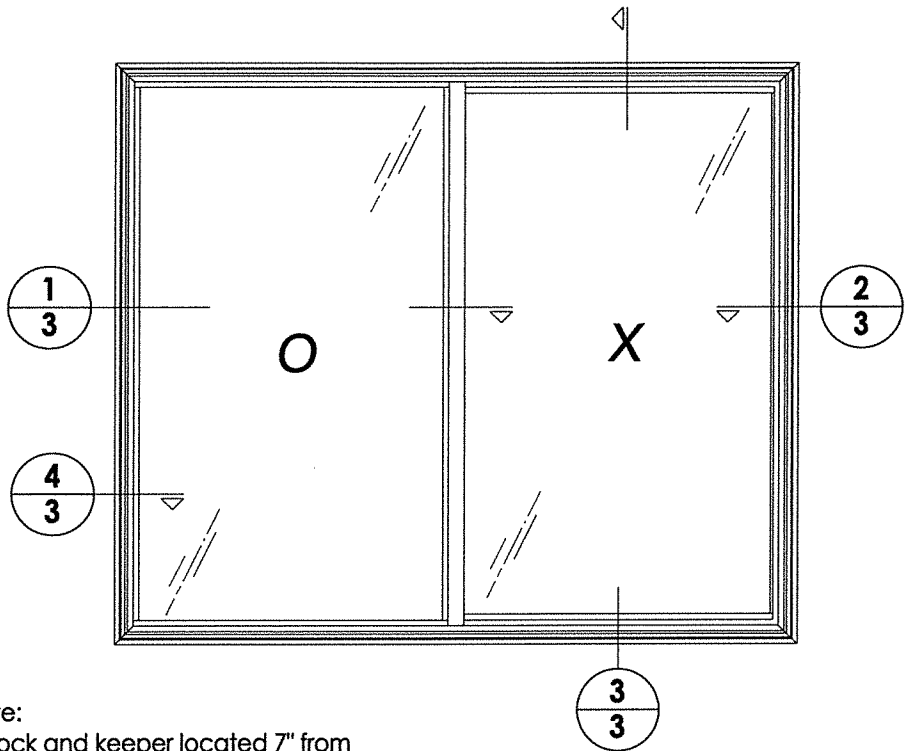


**B**

[illegible]

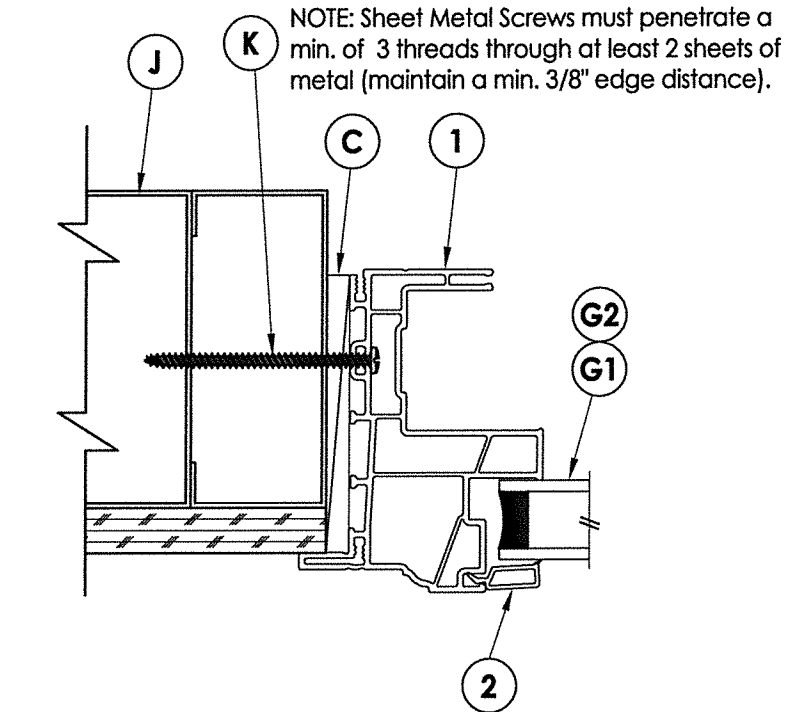
|              |            |
|--------------|------------|
| DATE:        | 2/19/14    |
| SCALE:       | N.T.S.     |
| DWG. BY:     | JK         |
| CHK. BY:     | LFS        |
| DRAWING NO.: | FL-16842.2 |
| SHEET        | 2 OF 6     |

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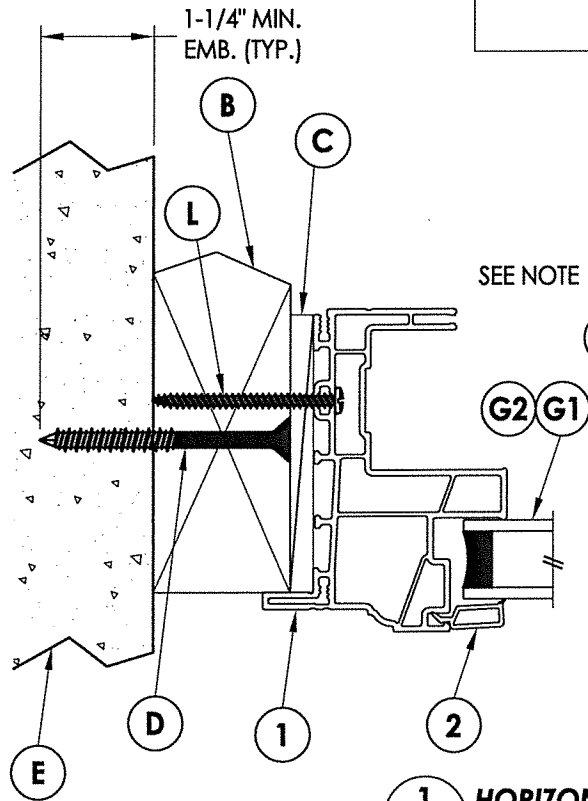
Note:

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.

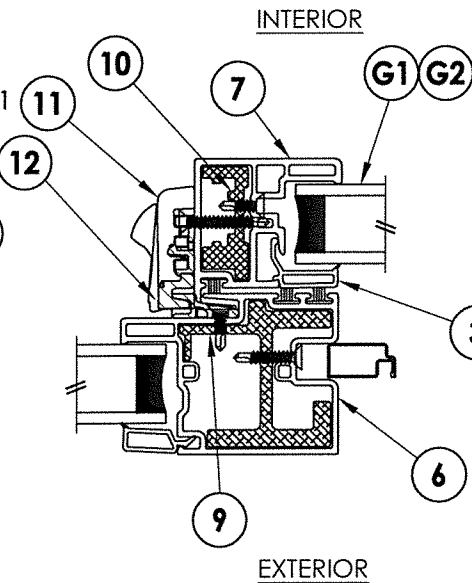


4/3 HORIZONTAL CROSS SECTION  
Metal Stud Construction

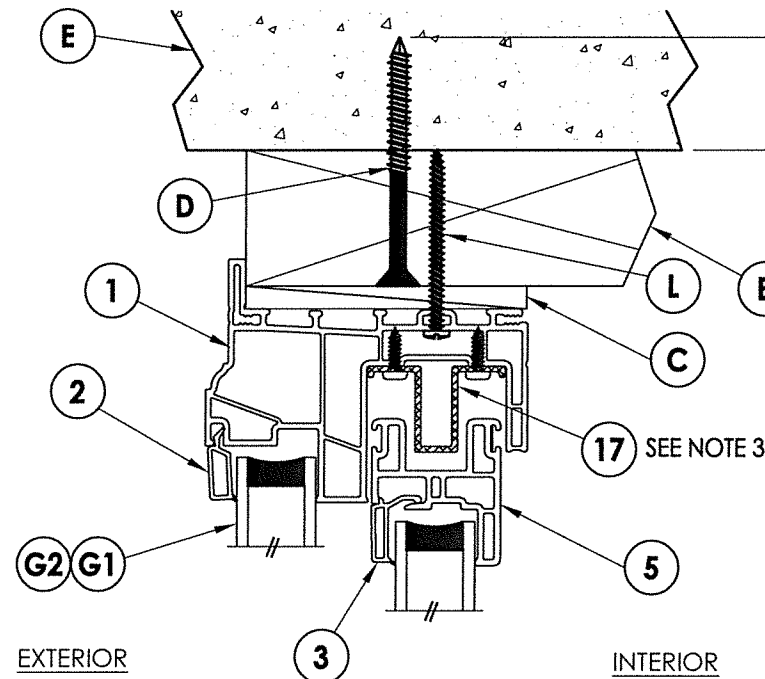
ALTERNATE ANCHORING LOCATION  
SHOWN ON THIS SHEET



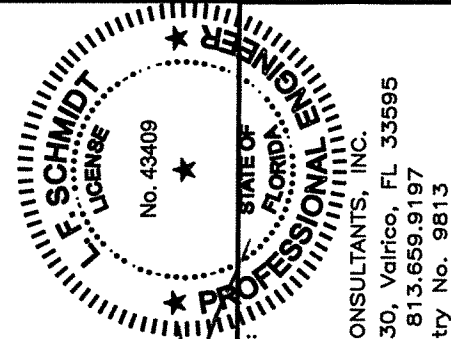
1/3 HORIZONTAL CROSS SECTION  
2X Buck Masonry Construction



2/3 HORIZONTAL CROSS SECTION  
1X Buck Masonry Construction



3/3 VERTICAL CROSS SECTION  
2X Buck Masonry Construction



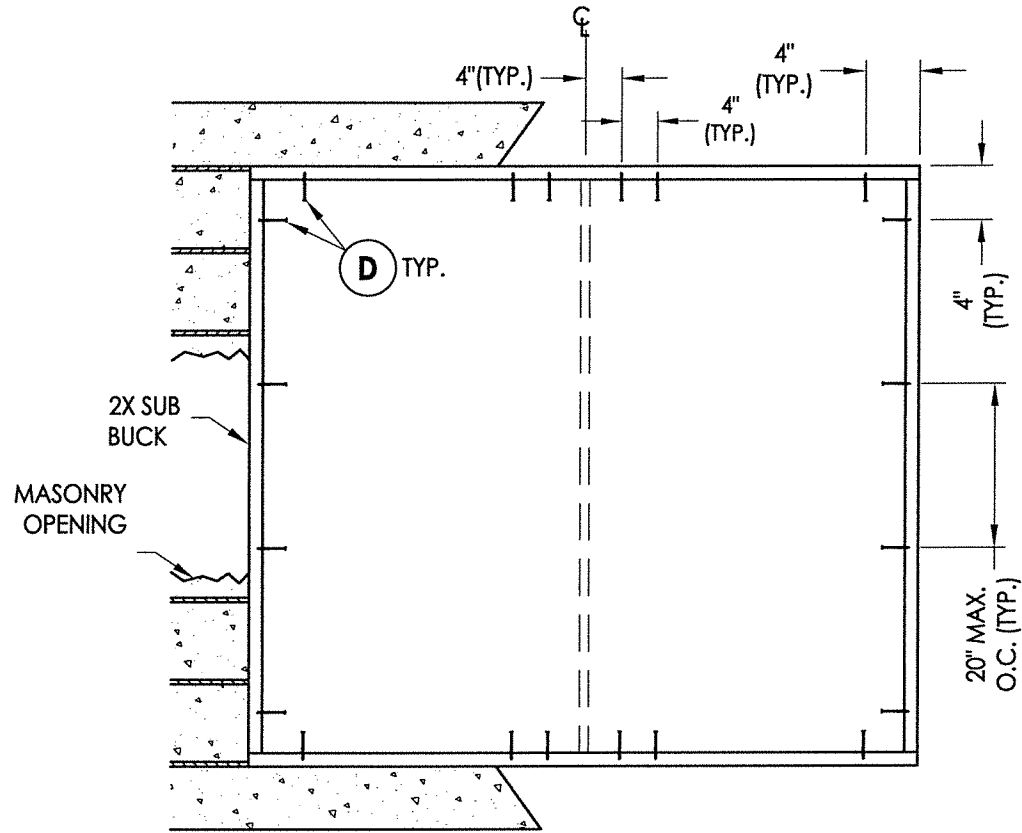
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409  
July 30, 2020

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

| PRODUCT:          |         | NewSouth                             |     |
|-------------------|---------|--------------------------------------|-----|
| PART OR ASSEMBLY: |         | VERTICAL & HORIZONTAL CROSS SECTIONS |     |
| NO.               | DATE    | REVISIONS                            | BY  |
| 4                 | 7/30/20 | UPDATE TO 7TH ED. (2020) FBC         | DAC |
| 3                 | 9/22/17 | UPDATE TO 6TH ED. (2017) FBC         | JK  |
| 2                 | 9/26/16 | ADDED ALT. ANCHOR LOCATION           | LFS |
| 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-16842.2  
SHEET 3 OF 6

R:\Clients\New South Windows PERMANENT\TA - Florida Product Approvals\FL-16842 (2020) R5\FL-16842.2-3.dwg, 4.2



2X BUCK ANCHORING

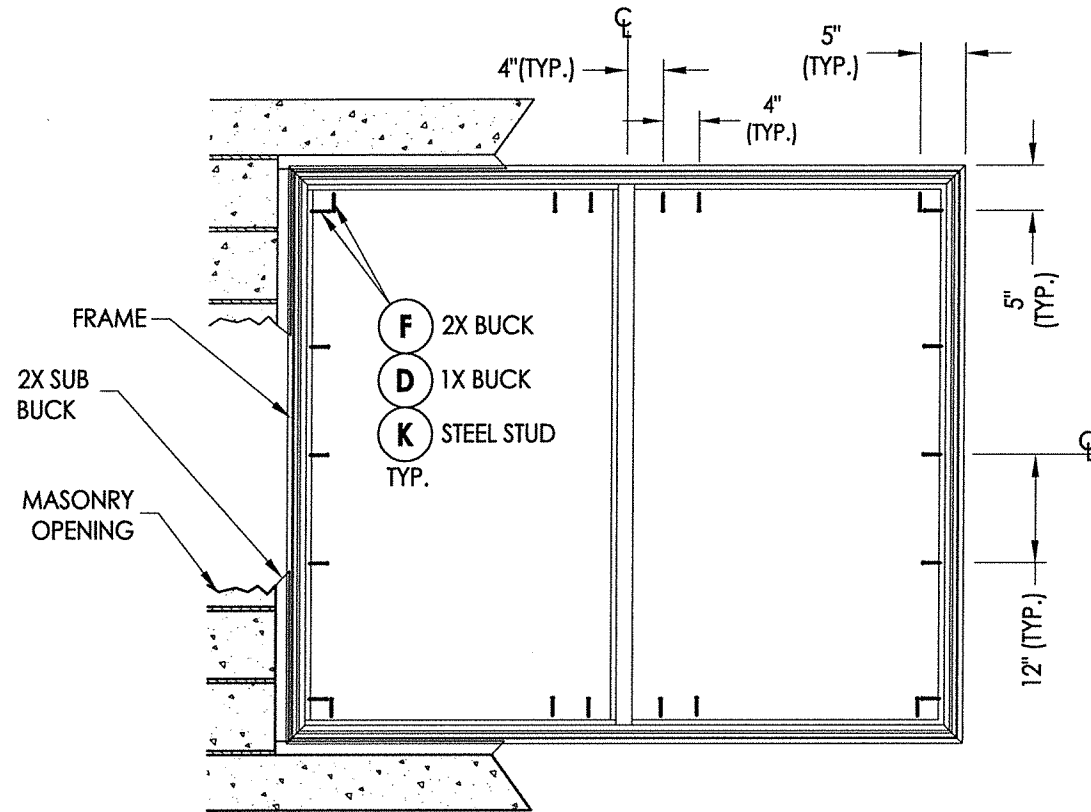
CONCRETE ANCHOR NOTES:

- 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:

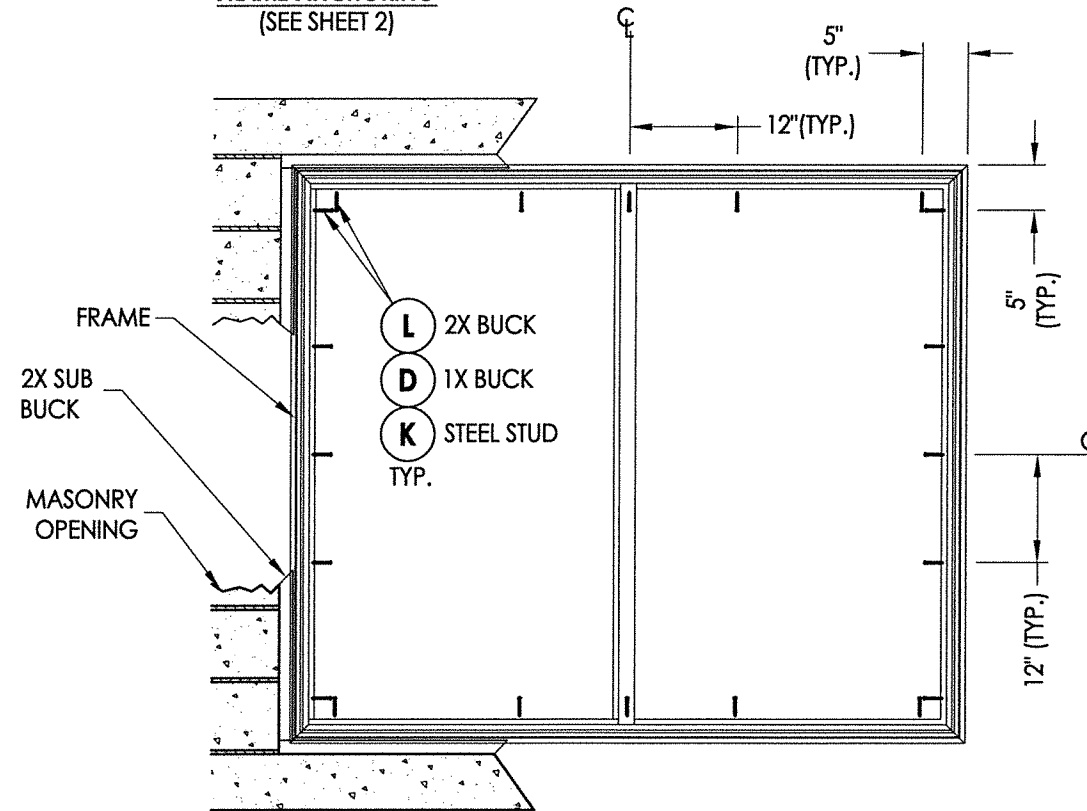
| ANCHOR TYPE    | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|----------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW TAPCON®    | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| ELCO ULTRACON® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |

WOOD SCREW INSTALLATION NOTES:

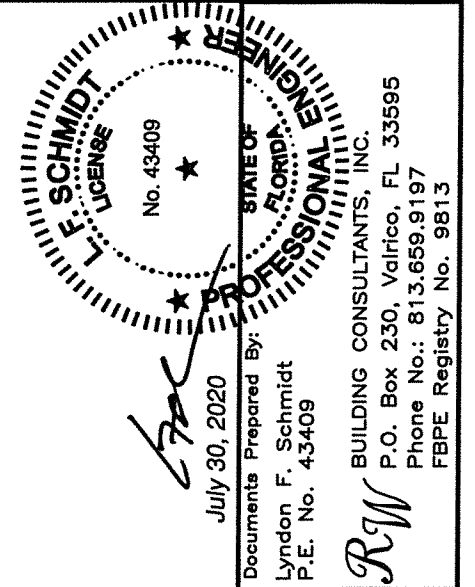
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



FRAME ANCHORING  
(SEE SHEET 2)



FRAME ANCHORING  
ALTERNATE ANCHORING (SEE SHEET 3)



July 30, 2020

Documents Prepared By:  
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FBPE Registry No. 9813

PRODUCT: NewSouth

PART OR ASSEMBLY:  
BUCK & FRAME  
ANCHORING

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

DATE: 2/19/14

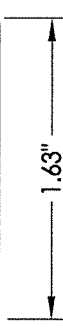
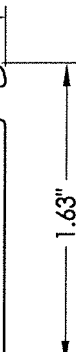
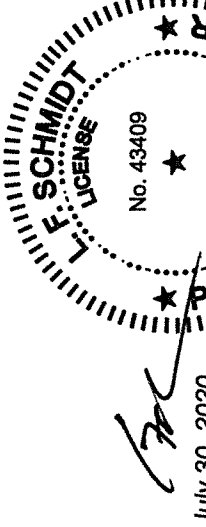
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

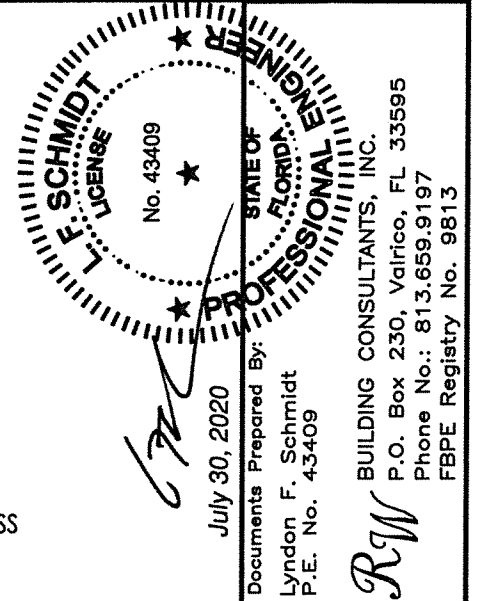
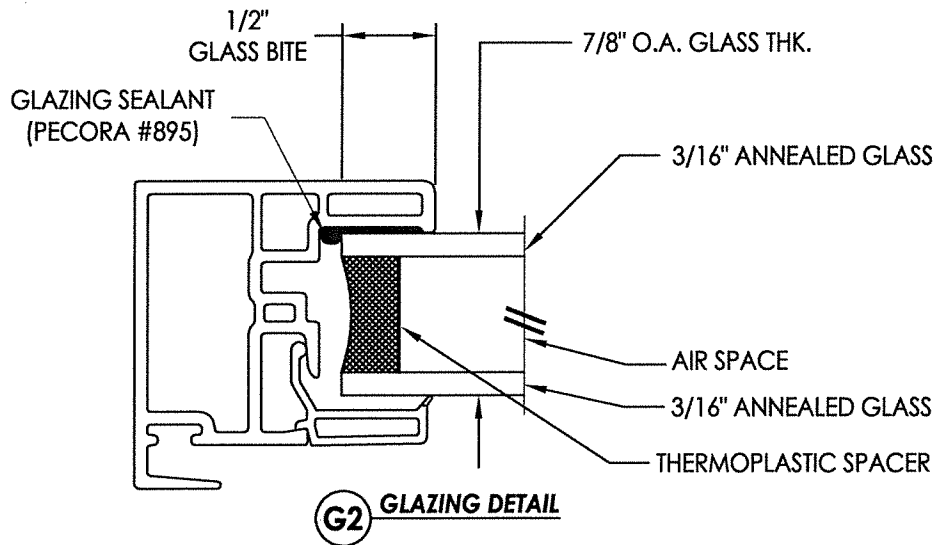
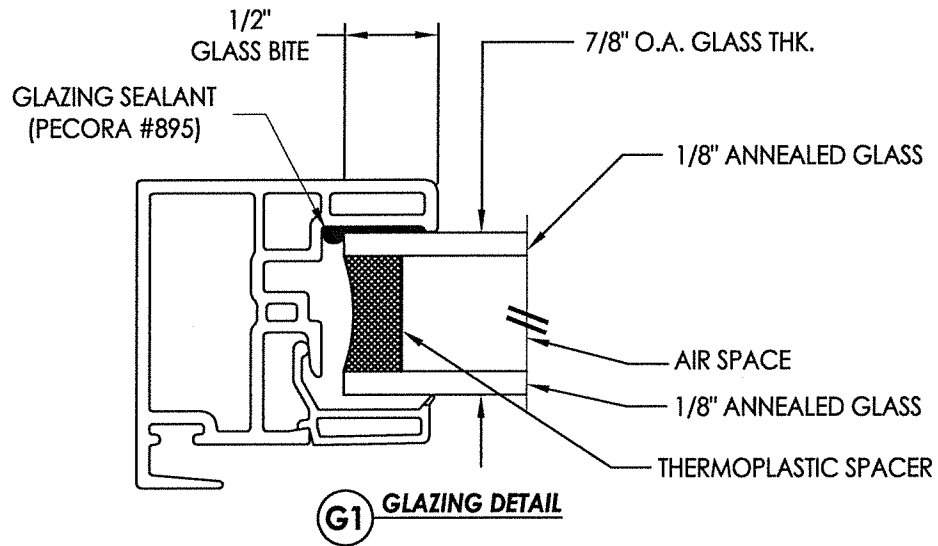
DRAWING NO.: FL-16842.2

SHEET 4 OF 6

|                                                                                                                    |         |                                                                                      |     |     |           |
|--------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|-----|-----|-----------|
| DATE: 2/19/14                                                                                                      |         |                                                                                      |     |     |           |
| SCALE: N.T.S.                                                                                                      |         |                                                                                      |     |     |           |
| DWG. BY: JK                                                                                                        |         |                                                                                      |     |     |           |
| CHK. BY: LFS                                                                                                       |         |                                                                                      |     |     |           |
| DRAWING NO.: FL-16842.2                                                                                            |         |                                                                                      |     |     |           |
| SHEET 5 OF 6                                                                                                       |         |                                                                                      |     |     |           |
|                               |         |  |     |     |           |
|                                                                                                                    |         |                                                                                      |     |     |           |
| 4                                                                                                                  | 7/30/20 | UPDATE TO 7TH ED. (2020)                                                             | FBC | DAC |           |
| 3                                                                                                                  | 9/22/17 | UPDATE TO 6TH ED. (2017)                                                             | FBC | JK  |           |
| 2                                                                                                                  | 9/26/16 | ADDED ALT. ANCHOR LOCATION                                                           | LFS |     |           |
| 1                                                                                                                  | 6/25/15 | UPDATE TO 5TH ED. (2014)                                                             | FBC | LFS |           |
| NO.                                                                                                                | DATE    |                                                                                      |     | BY  |           |
|                                                                                                                    |         |                                                                                      |     |     | REVISIONS |
| PRODUCT:                                                                                                           |         |                                                                                      |     |     |           |
| NewSouth                                                                                                           |         |                                                                                      |     |     |           |
| PART OR ASSEMBLY:                                                                                                  |         |                                                                                      |     |     |           |
| COMPONENTS                                                                                                         |         |                                                                                      |     |     |           |
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409                                                      |         |                                                                                      |     |     |           |
| July 30, 2020                                                                                                      |         |                                                                                      |     |     |           |
|                                  |         |                                                                                      |     |     |           |
|                                 |         |                                                                                      |     |     |           |
| BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Vairico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |         |                                                                                      |     |     |           |

| BILL OF MATERIALS |                                                                                                |                |
|-------------------|------------------------------------------------------------------------------------------------|----------------|
| ITEM #            | DESCRIPTION                                                                                    | MATERIAL       |
| A                 | 1X BUCK (SG >= 0.42)                                                                           | WOOD           |
| 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                 | #8 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                                                                                         | -              |
| 14                | ROLLER (TRUTH #2433-1000)                                                                      | -              |
| 15                | SILL RISER                                                                                     | 6063 - T5 ALUM |
| 16                | ROLLER TRACK                                                                                   | 6063 - T5 ALUM |
| 17                | ANTI-LIFT ALUMINUM                                                                             | 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".

[illegible]