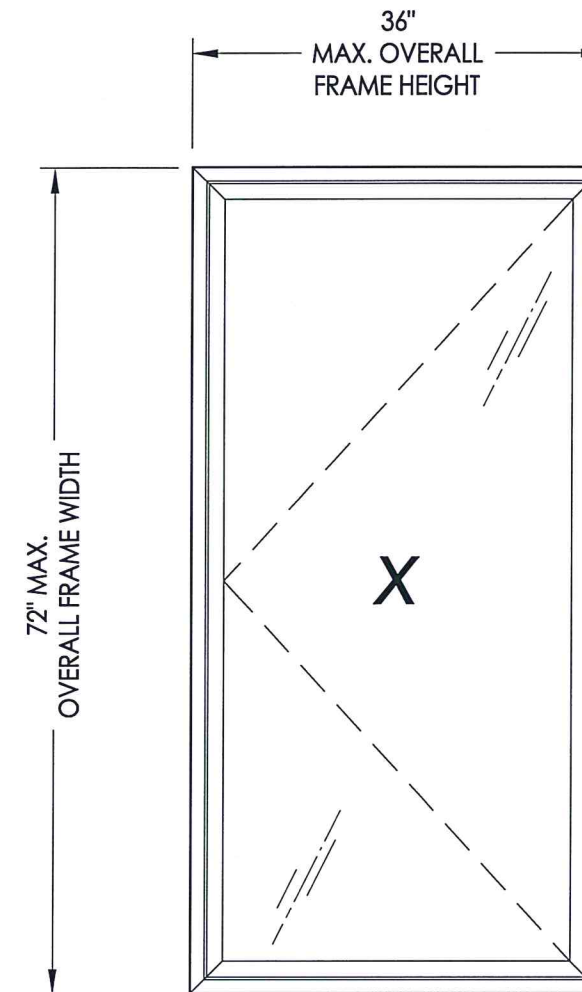


***Series 7100***  
***Casement Window***  
***"NON-IMPACT"***

## 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                 | Buck & frame anchoring                               |
| 4                 | Bill of materials, glazing details and components    |



| OVERALL<br>FRAME<br>DIMENSION | OVERALL<br>DAY LIGHT<br>DIMENSION | GLASS<br>TYPE | DESIGN PRESSURE<br>(PSF) |       |
|-------------------------------|-----------------------------------|---------------|--------------------------|-------|
|                               |                                   |               | POS.                     | NEG.  |
| 36.0" X 72.0"                 | 30.25" X 66.38"                   | G1            | +60.0                    | -70.0 |

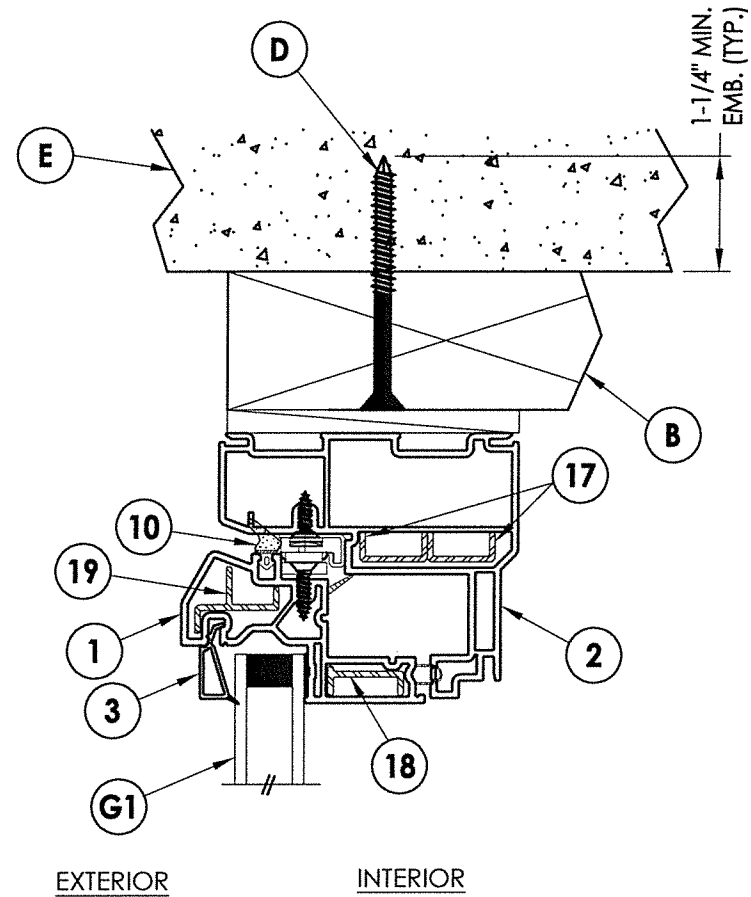
[illegible]

This diagram shows a cross-section of a window frame and sash assembly. The frame is labeled with 'J' and 'K'. The sash is labeled with 'C'. A multi-point locking system is shown, with a handle (9) on the interior side. The handle is connected to a series of locking bolts (17) that engage with the frame. The bolts are shown in two positions: retracted (17) and extended (18). The interior side is labeled 'INTERIOR' and the exterior side is labeled 'EXTERIOR'. Other components labeled include 1, 3, 10, and 19.

**3 HORIZONTAL CROSS SECTION**  
**2** Shown w/ Steel Stud Framing Option

- 
- The image contains two technical drawings of a window frame, labeled 1 and 2, showing horizontal cross sections.
- Diagram 1: HORIZONTAL CROSS SECTION 2X Buck Masonry Construction**  
 This diagram shows the window frame installed in a 2X buck masonry wall. Key components and labels include:  
 - **1-1/4" MIN. EMB. (TYP.)**: Dimension for the masonry embedment.  
 - **A**: Arrow pointing to the masonry wall.  
 - **B**: Arrow pointing to the exterior weatherstripping.  
 - **C**: Arrow pointing to the exterior gasket.  
 - **D**: Arrow pointing to the masonry wall.  
 - **E**: Arrow pointing to the exterior weatherstripping.  
 - **F**: Arrow pointing to the exterior gasket.  
 - **9**: Arrow pointing to the interior weatherstripping.  
 - **10**: Arrow pointing to the interior gasket.  
 - **12**: Arrow pointing to the interior weatherstripping.  
 - **17**: Arrow pointing to the interior gasket.  
 - **18**: Arrow pointing to the interior weatherstripping.  
 - **19**: Arrow pointing to the interior gasket.  
 - **3**: Arrow pointing to the interior weatherstripping.  
 - **SEE NOTE 1**: Text label.  
 - **INTERIOR**: Text label.  
 - **EXTERIOR**: Text label.
- Diagram 2: HORIZONTAL CROSS SECTION Shown w/1X sub-buck**  
 This diagram shows the window frame installed in a 1X sub-buck masonry wall. Key components and labels include:  
 - **1-1/4" MIN. EMB. (TYP.)**: Dimension for the masonry embedment.  
 - **A**: Arrow pointing to the masonry wall.  
 - **C**: Arrow pointing to the exterior gasket.  
 - **D**: Arrow pointing to the masonry wall.  
 - **E**: Arrow pointing to the exterior weatherstripping.  
 - **15**: Arrow pointing to the interior weatherstripping.  
 - **17**: Arrow pointing to the interior gasket.  
 - **18**: Arrow pointing to the interior weatherstripping.  
 - **2**: Arrow pointing to the interior gasket.  
 - **3**: Arrow pointing to the interior weatherstripping.  
 - **SEE NOTE 2**: Text label.  
 - **INTERIOR**: Text label.  
 - **EXTERIOR**: Text label.

|   |                                 |
|---|---------------------------------|
| 2 | <b>HORIZONTAL CROSS SECTION</b> |
| 2 | Shown w/1X sub-buck             |



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

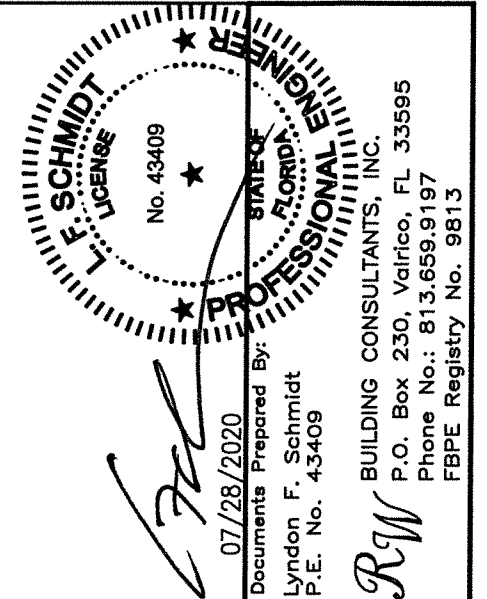
[illegible]

Diagram illustrating the internal bracing and dimensions of a wall formwork panel. The panel is shown in cross-section, revealing the internal structure. Key components and dimensions include:

- Internal Bracing:**
  - F:** 2X BUCK (Two vertical bracing members).
  - D:** 1X BUCK (One vertical bracing member).
  - K:** STEEL STUD (TYP.) (Typical steel studs).
- Dimensions:**
  - 6" (TYP.):** Typical thickness of the panel.
  - 6" (TYP.):** Typical spacing between vertical bracing members.
  - 15" MAX. O.C. (TYP.):** Maximum typical spacing between horizontal bracing members.
- Labels:**
  - BUCK/STUD:** Points to the vertical bracing members.
  - FRAME:** Points to the horizontal bracing members.

*[Signature]*  
07/28/2020  
Documents Prepared By: Lyndon F. Schmidt  
P.E., No. 43409

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07/28/2020  
Documents Prepared By:  
Lyndon F. Schmidt  
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**BUILDING CONSULTANTS, INC.**  
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PRODUCT: NewSouth

**PART OR ASSEMBLY:**

[illegible]

SHEET 3 OF 4

| 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 ULTRA-CON® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |

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

GLAZING SEALANT (SIKAFLEX-552)

3/4" O.A. GLASS THK.

1/8" ANNEALED GLASS

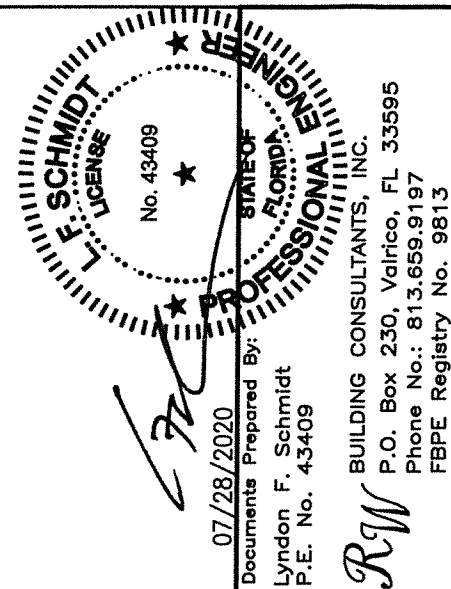
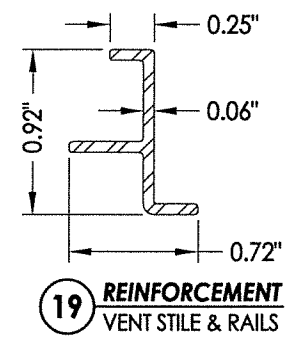
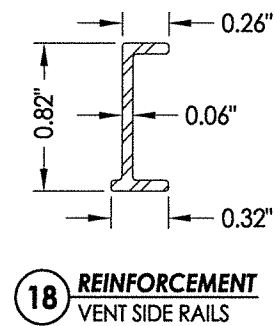
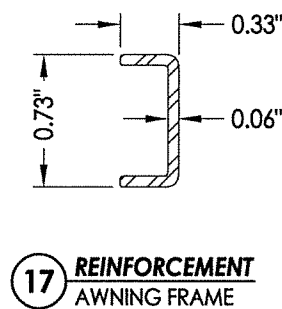
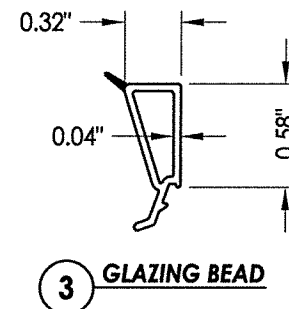
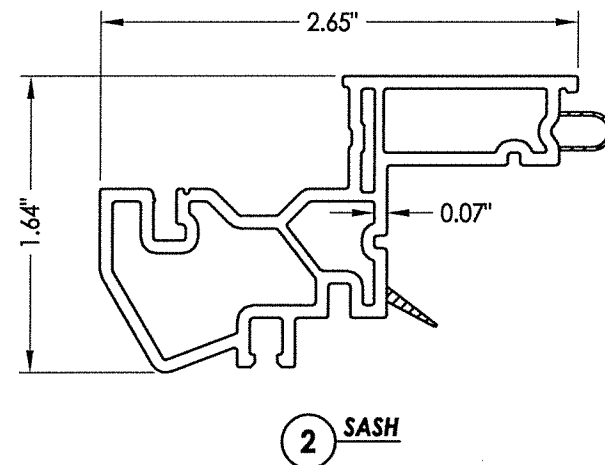
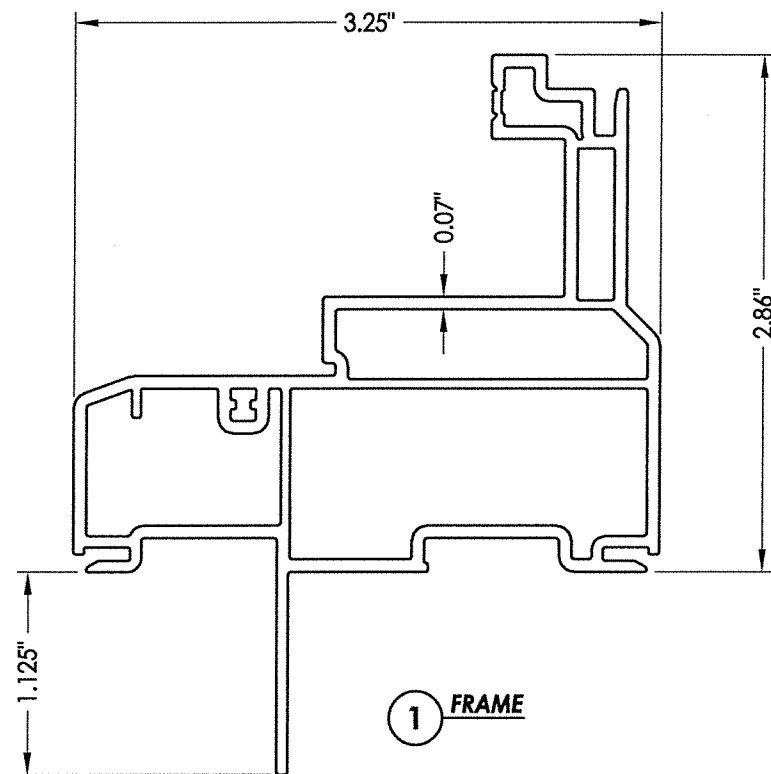
AIR SPACE

1/8" ANNEALED GLASS

SUPER SPACER

1/2" GLASS BITE

**G1** GLAZING DETAIL



|                                                                            |  |  |  |  |  |     |           |
|----------------------------------------------------------------------------|--|--|--|--|--|-----|-----------|
| PRODUCT:<br>NewSouth                                                       |  |  |  |  |  |     |           |
| PART OR ASSEMBLY:<br><br>BILL OF MATERIALS, GLAZING<br>DETAIL & COMPONENTS |  |  |  |  |  |     |           |
|                                                                            |  |  |  |  |  | DAC | REVISIONS |
|                                                                            |  |  |  |  |  | BY  |           |
|                                                                            |  |  |  |  |  |     |           |
|                                                                            |  |  |  |  |  |     |           |
|                                                                            |  |  |  |  |  |     |           |
|                                                                            |  |  |  |  |  |     |           |
| DATE: 2/26/20                                                              |  |  |  |  |  |     |           |
| SCALE: N.T.S.                                                              |  |  |  |  |  |     |           |
| DWG. BY: TRJ                                                               |  |  |  |  |  |     |           |
| CHK. BY: LFS                                                               |  |  |  |  |  |     |           |
| DRAWING NO.:<br>FL-15052.4                                                 |  |  |  |  |  |     |           |
| SHEET 4 OF 4                                                               |  |  |  |  |  |     |           |
| NO.                                                                        |  |  |  |  |  |     |           |
| DATE                                                                       |  |  |  |  |  |     |           |
| UPDATE TO 7th ED. (2020) FBC                                               |  |  |  |  |  |     |           |