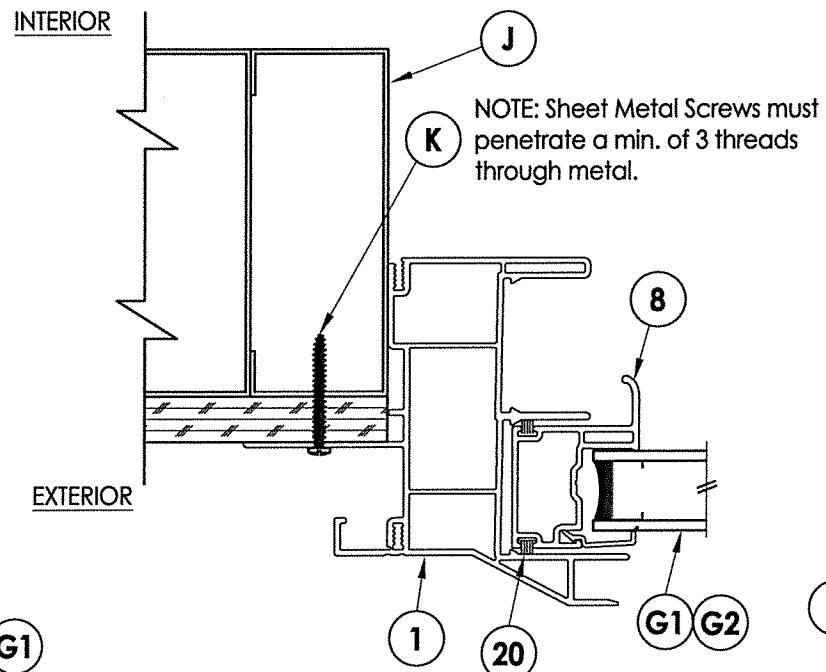
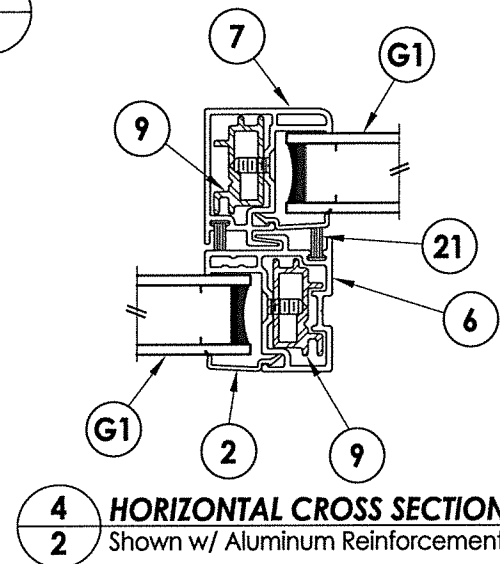




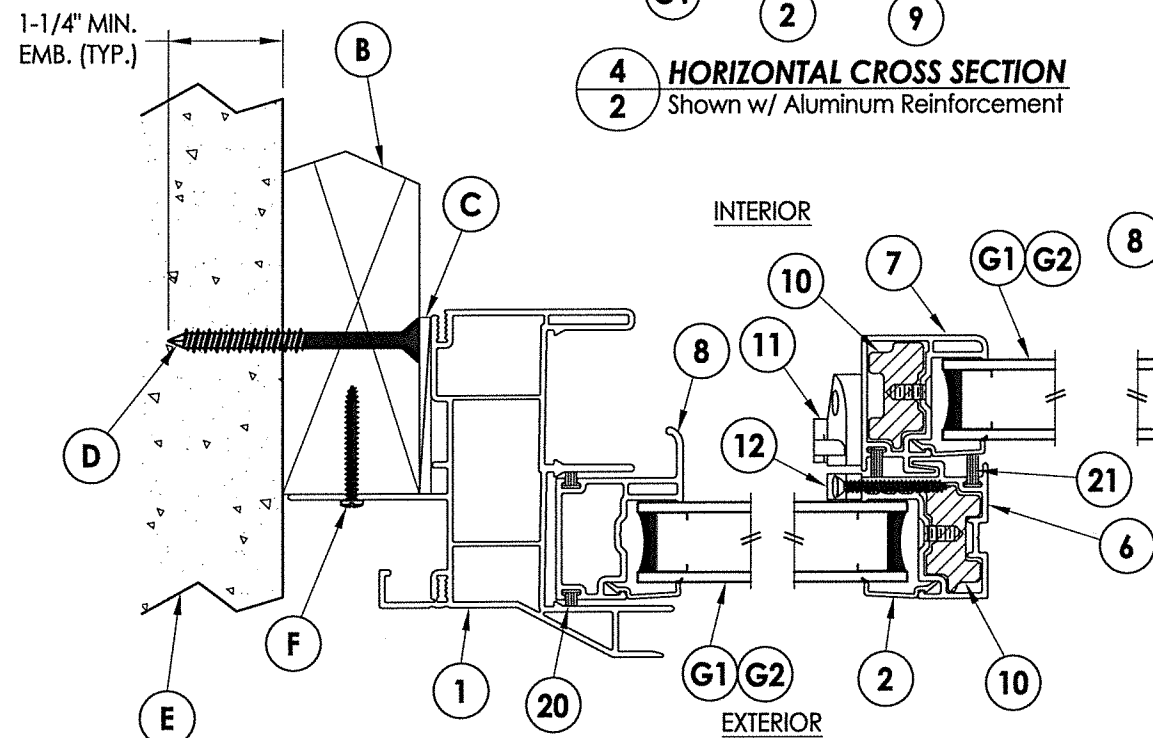
Note:  
1. Lock and keeper located 8" from each end of lock stile.



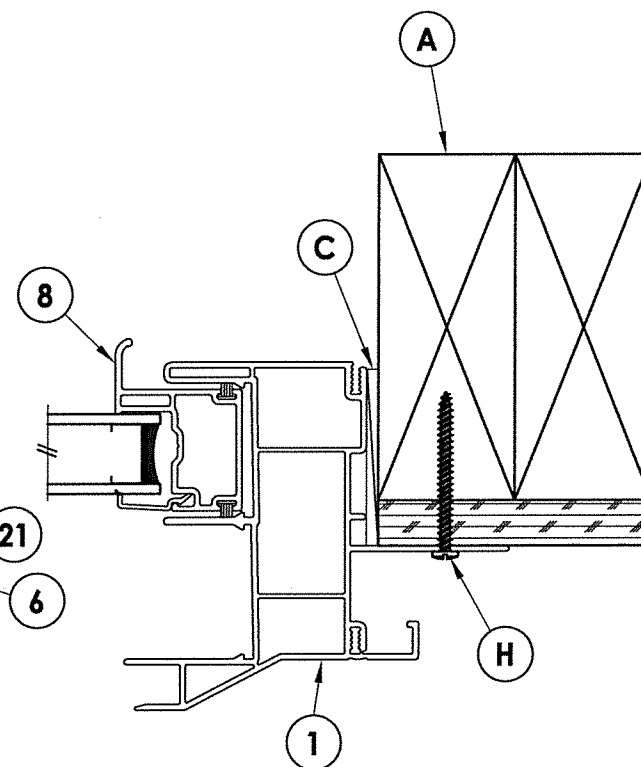
**5 HORIZONTAL CROSS SECTION**  
**2** Metal Stud Construction



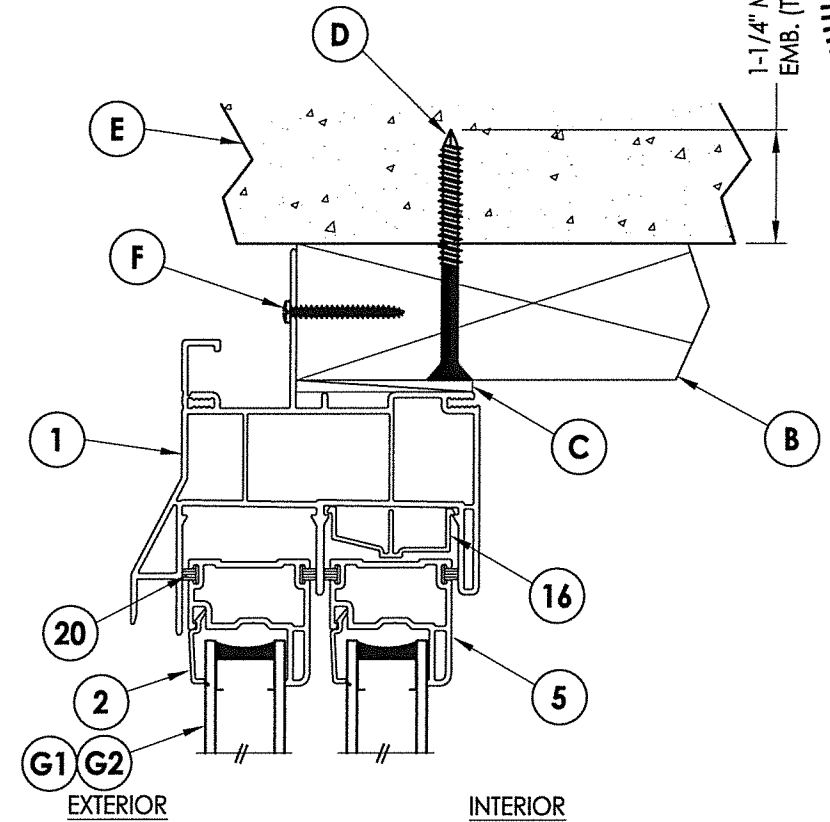
**4 HORIZONTAL CROSS SECTION**  
**2** Shown w/ Aluminum Reinforcement



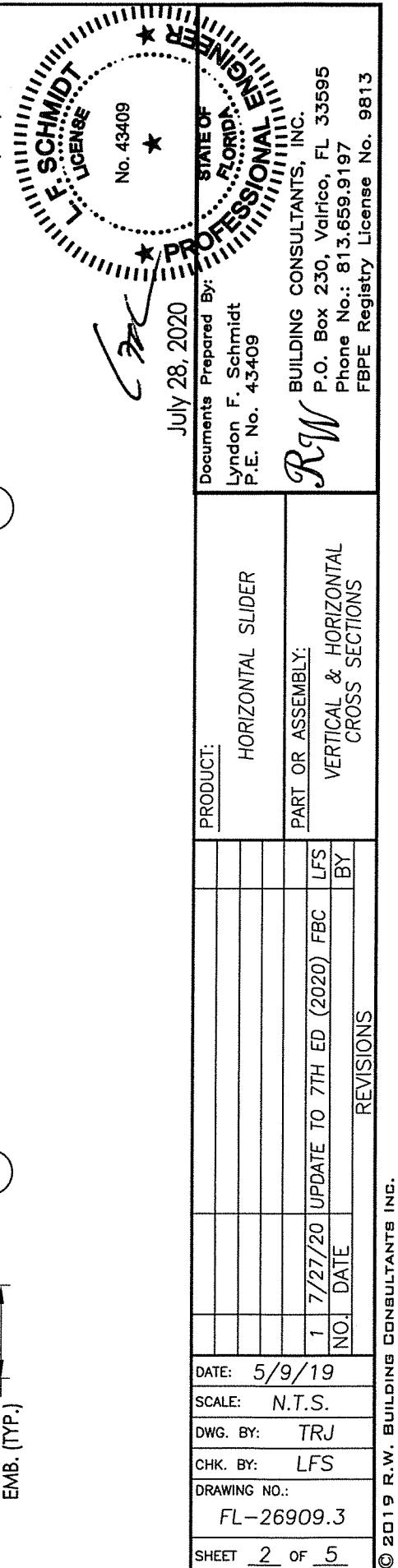
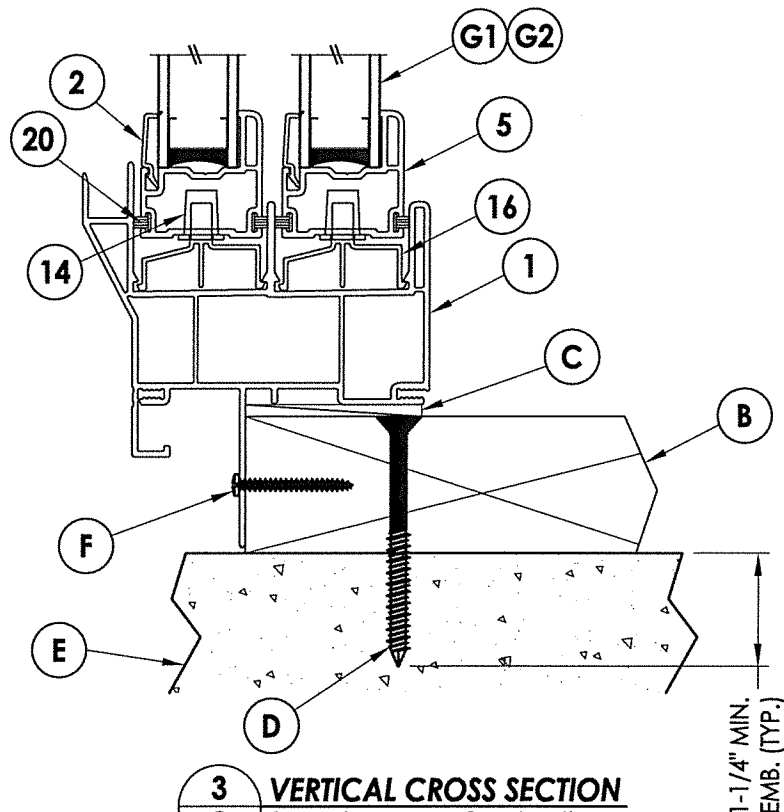
**1 HORIZONTAL CROSS SECTION**  
**2** 2X Buck Masonry Construction  
 Shown w/ Composite Reinforcement



**2 HORIZONTAL CROSS SECTION**  
2X Stud Construction



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

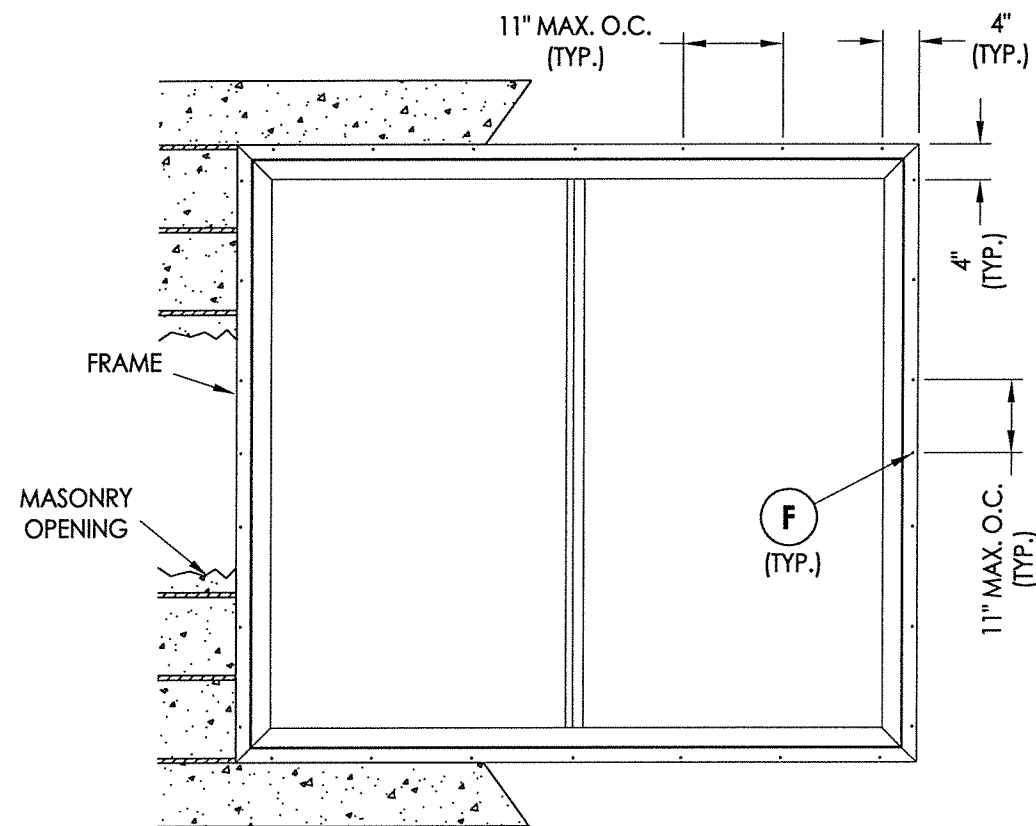


## BUCK ANCHORING

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®     | 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.

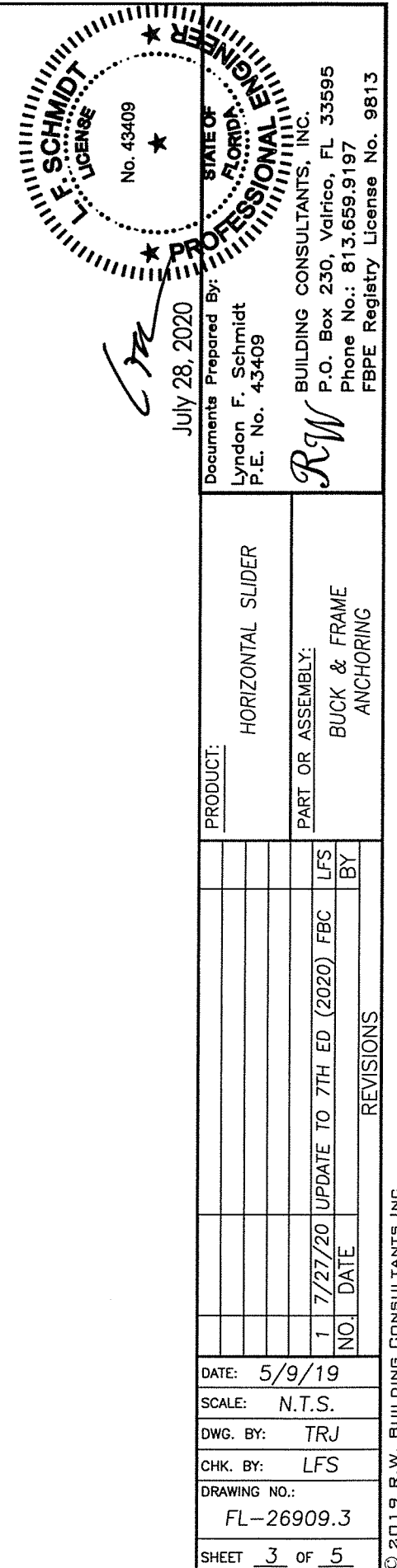


2X Buck Masonry  
Construction

Technical drawing of a window frame assembly. The drawing shows a cross-section of the frame with various dimensions and material specifications.

- Dimensions:**
  - Top horizontal spacing: 11" MAX. O.C. (TYP.)
  - Right vertical spacing (top): 4" (TYP.)
  - Right vertical spacing (middle): 4" (TYP.)
  - Right vertical spacing (bottom): 11" MAX. O.C. (TYP.)
- Materials:**
  - WOOD (H)
  - STEEL (K) (TYP.)
- Labels:**
  - TO BE DESIGNED BY ARCHITECT
  - FRAME
  - FRAME ANCHORING

### Stud Construction



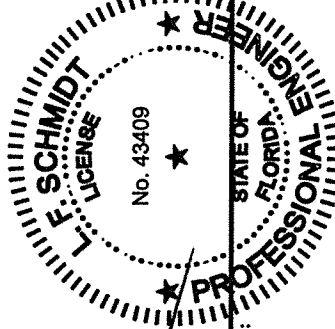
Technical drawing of a mechanical part with dimensions: 0.54", 0.06", 0.38", and 0.98".

Technical drawing of a cross-section of a mechanical part. The drawing shows a complex profile with the following dimensions:

- Top horizontal dimension: 1.39"
- Left vertical dimension: 0.062"
- Bottom horizontal dimension: 0.77"
- Right vertical dimension: 1.40"

Technical drawing of a cross-section of a component. The drawing shows a complex profile with a central vertical slot and a horizontal slot at the bottom. A dimension of 0.062 is indicated for a small feature on the right side.

  
July 28, 2020  
Documents Prepared By:  
Don F. Schmidt  
No. 43409



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



Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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

PART OR ASSEMBLY:

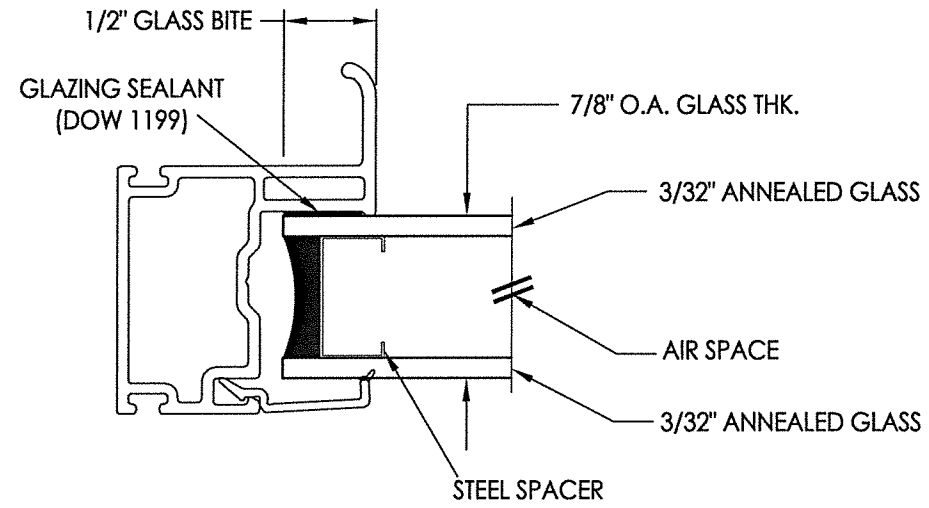
SHEET 4 OF 5

| REVISIONS |         |                         |     |
|-----------|---------|-------------------------|-----|
| NO.       | DATE    | UPDATE TO 7TH ED (2020) | BY  |
| 1         | 7/27/20 | FBC                     | LFS |

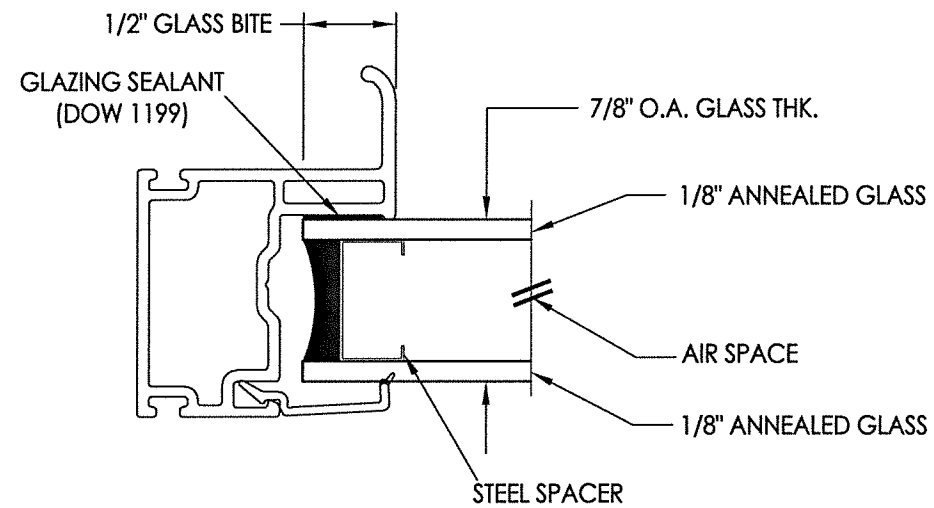
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| BILL OF MATERIALS |                                                                                                |                |
|-------------------|------------------------------------------------------------------------------------------------|----------------|
| ITEM #            | DESCRIPTION                                                                                    | MATERIAL       |
| A                 | 2X STUD (SG >= 0.42)                                                                           | WOOD           |
| B                 | 2X BUCK (SG >= 0.42)                                                                           | WOOD           |
| C                 | 3/16" 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 1-1/4" PPH SMS (1-3/16" MIN. EMBEDMENT)                                                   | STEEL          |
| H                 | #8 X 1-3/4" PPH SMS (1-3/16" 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          |
| 1                 | EXTRUDED VINYL FRAME (734)*                                                                    | RIGID PVC      |
| 2                 | EXTRUDED VINYL GLAZING BEAD (716A)*                                                            | RIGID PVC      |
| 5                 | TOP & BOTTOM RAIL (709)*                                                                       | RIGID PVC      |
| 6                 | MEETING STILE (707A)*                                                                          | RIGID PVC      |
| 7                 | LOCK STILE (706)*                                                                              | RIGID PVC      |
| 8                 | PULL STILE (715)*                                                                              | RIGID PVC      |
| 9                 | ALUMINUM REINFORCEMENT (746)                                                                   | 6063-T5 ALUM   |
| 10                | COMPOSITE REINFORCEMENT (948)                                                                  | COMP           |
| 11                | SASH LOCK                                                                                      | -              |
| 12                | KEEPER                                                                                         | -              |
| 14                | ROLLER TRACK*                                                                                  | RIGID PVC      |
| 16                | SILL TRACK/ANTI-LIFT BLOCK (747)                                                               | 6063 - T5 ALUM |
| 20                | WEATHERSTRIP (.187" X .220")                                                                   | -              |
| 21                | WEATHERSTRIP (.187" X .350")                                                                   | -              |

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



### **G1** GLAZING DETAIL



## **G2** GLAZING DETAIL

