

"Sunrise" Series

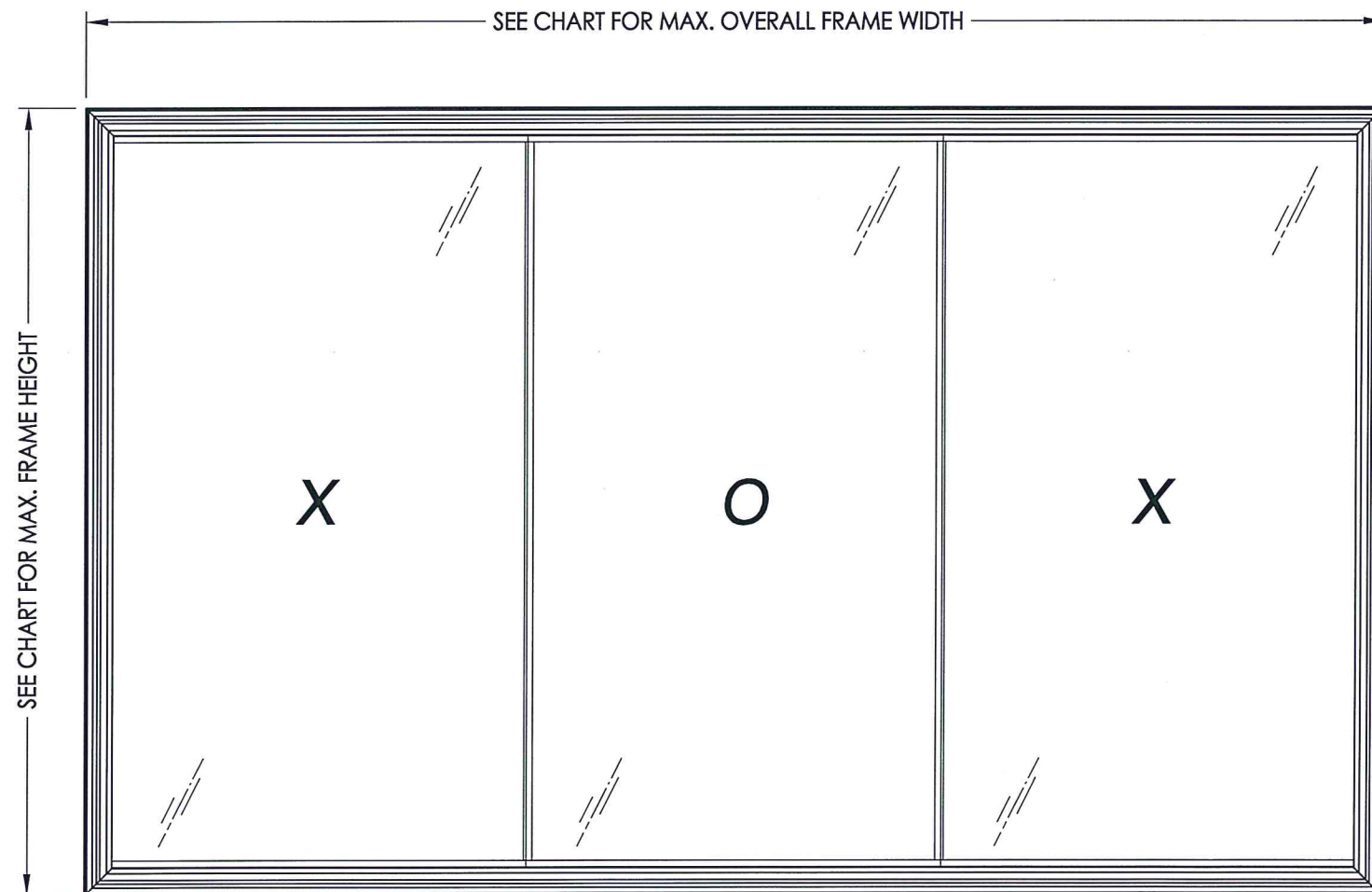
Horizontal Sliding Window

"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.

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| 2                 | Vertical & horizontal cross sections                 |
| 3                 | Buck & frame anchoring                               |
| 4                 | Components                                           |
| 5                 | Bill of materials and glazing details                |



| MAX.<br>OVERALL FRAME<br>DIMENSION | MAX.<br>DAY LITE<br>DIMENSION | GLASS<br>TYPE | DESIGN PRESSURE<br>(PSF) |       |
|------------------------------------|-------------------------------|---------------|--------------------------|-------|
|                                    |                               |               | POS.                     | NEG.  |
| 120.0" X 73.0"                     | 37.38" X 66.63"               | G1            | +15.0                    | -20.0 |
| 108.0" X 65.0"                     | 33.25" X 58.63"               | G1            | +25.0                    | -25.0 |
| 96.0" X 56.0"                      | 29.38" X 49.63"               | G2            | +30.0                    | -35.0 |
| 81.0" X 45.0"                      | 24.25" X 38.38"               | G2            | +40.0                    | -45.0 |

Professional Engineer

FL E. SCHMIDT

No. 43409

July 28, 2020

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STATE OF FLORIDA

PROFESSIONAL ENGINEER

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P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

PRODUCT: SUNRISE WINDOWS

PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

DATE: 2/12/20

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.: FL-26909.17

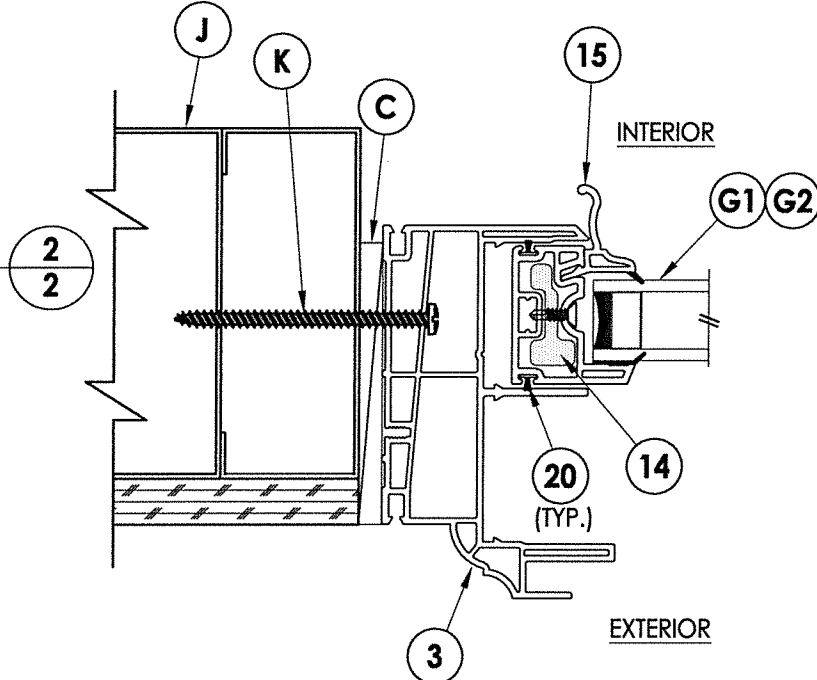
SHEET 1 OF 5

REVISIONS

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

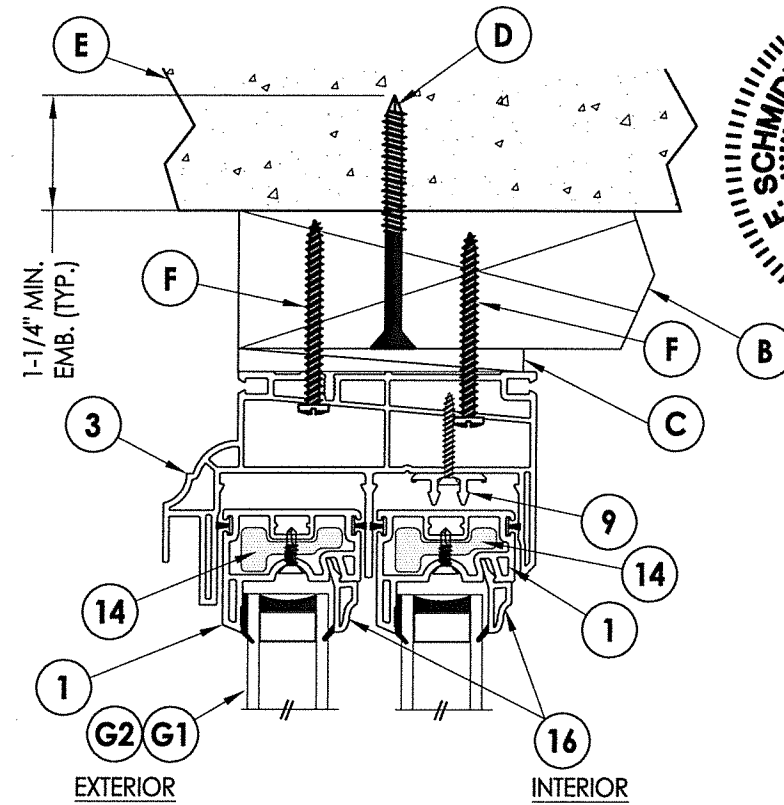
R:\Clients\Sunrise Windows\A - Florida Product Approvals\FL-26909 - Horizontal Slider Window\C - Drawings\FL 26909 (2020)\FL-26909.17.dwg, FL-26909.17

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).

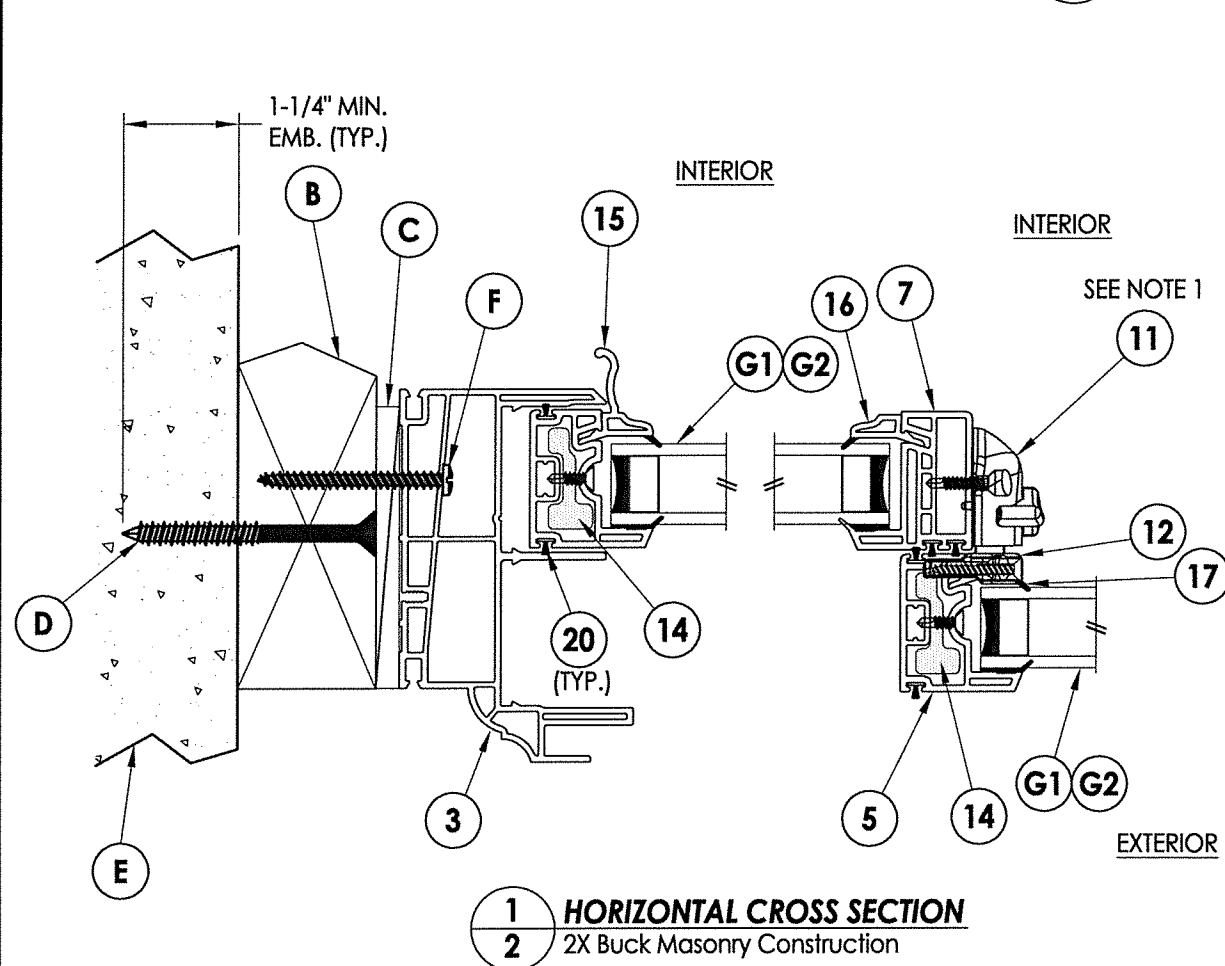


## 5 HORIZONTAL CROSS SECTION

### 2 Metal Stud Construction

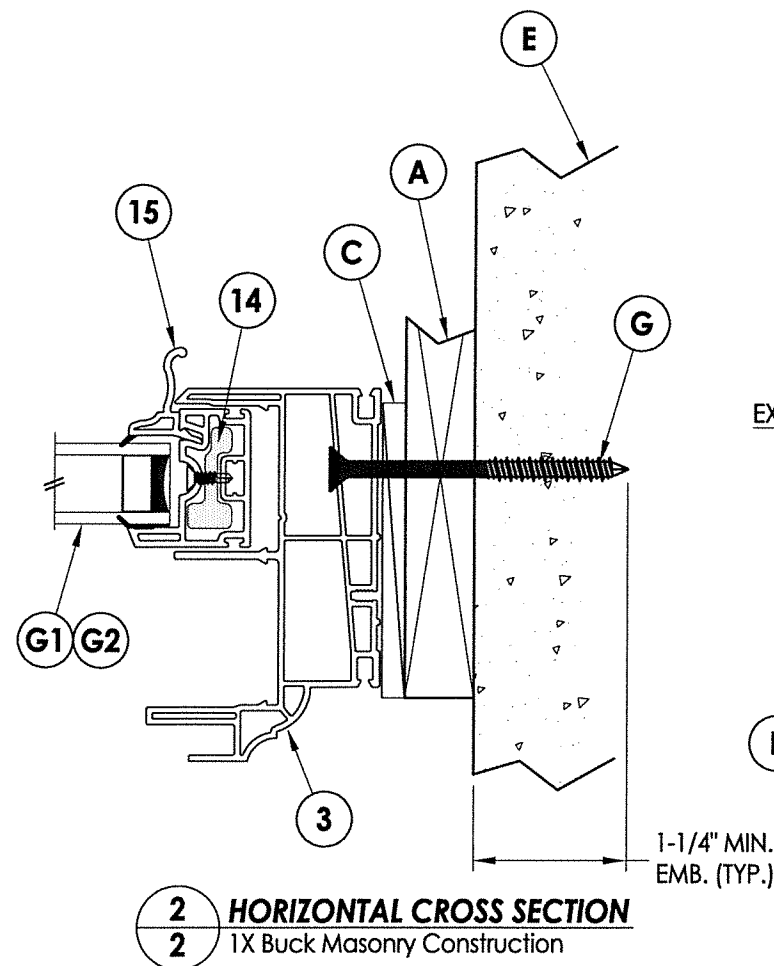


**4 VERTICAL CROSS SECTION**  
**2** 2X Buck Masonry Construction

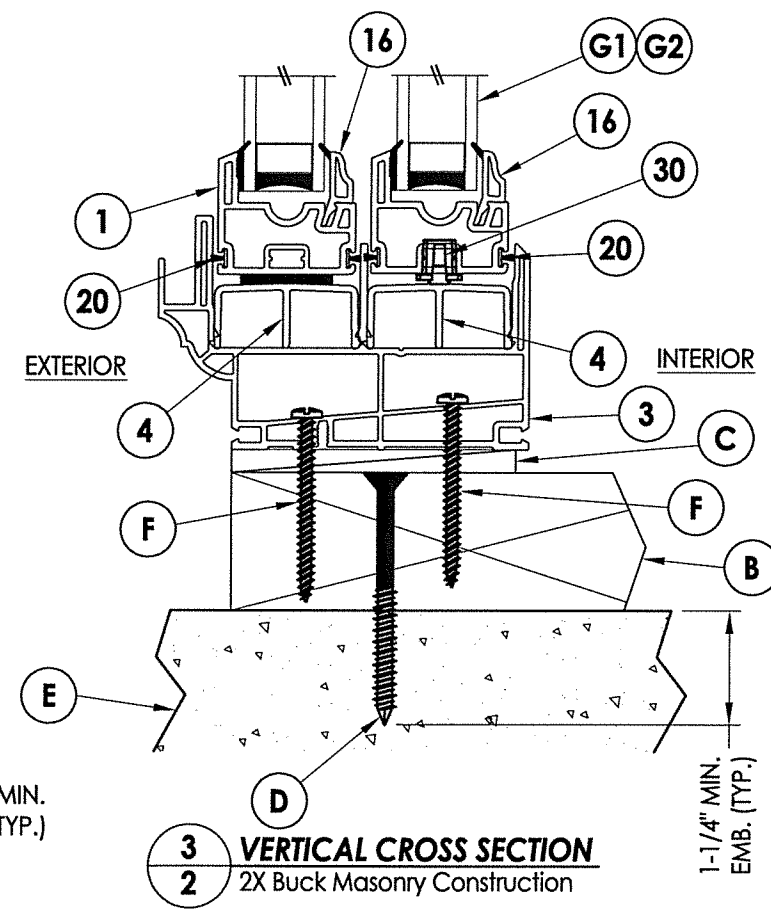


## 1 HORIZONTAL CROSS SECTION

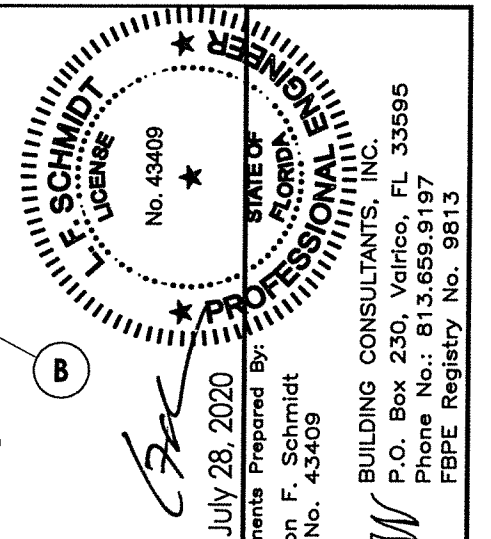
### 2 2X Buck Masonry Construction



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



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



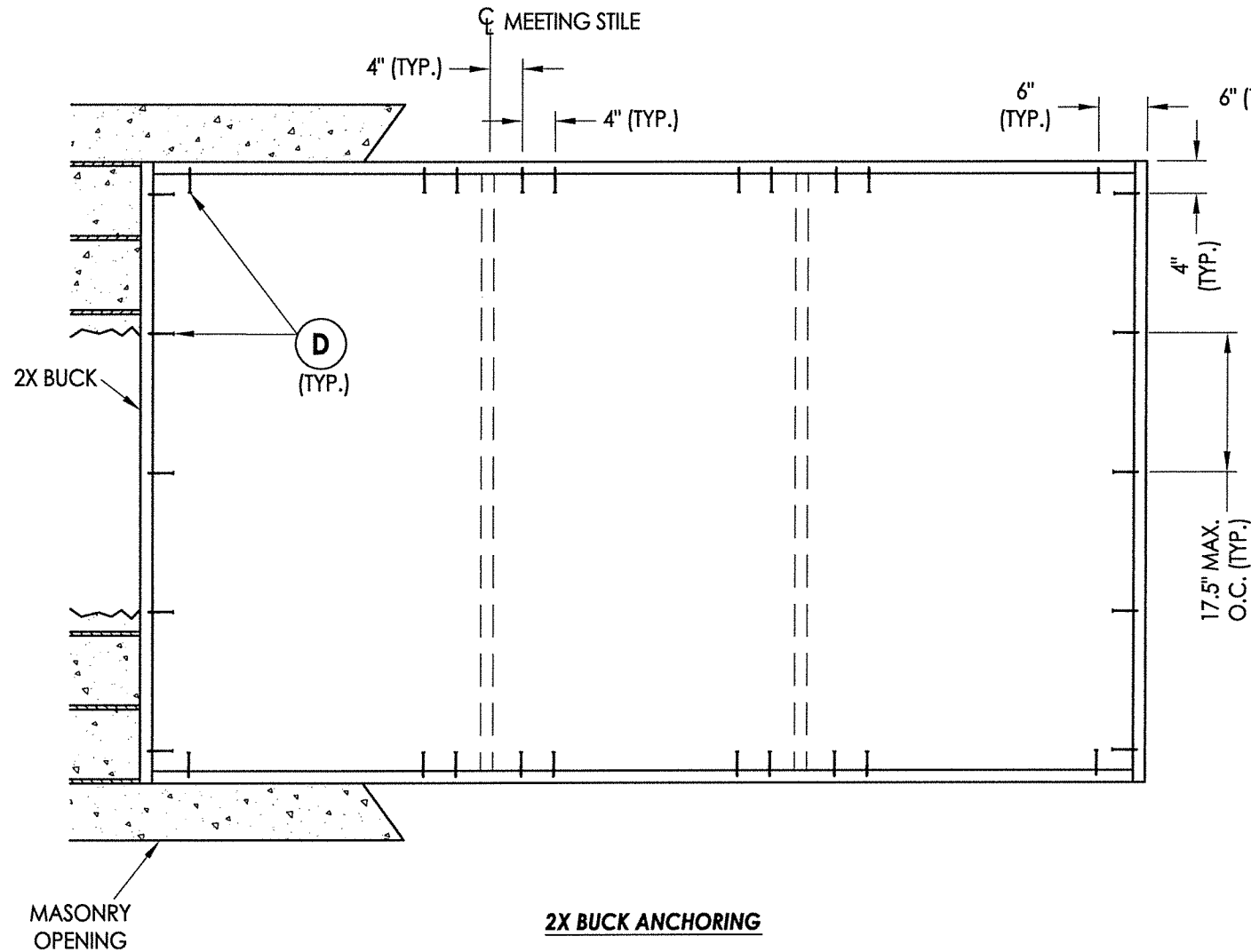
July 28, 2020

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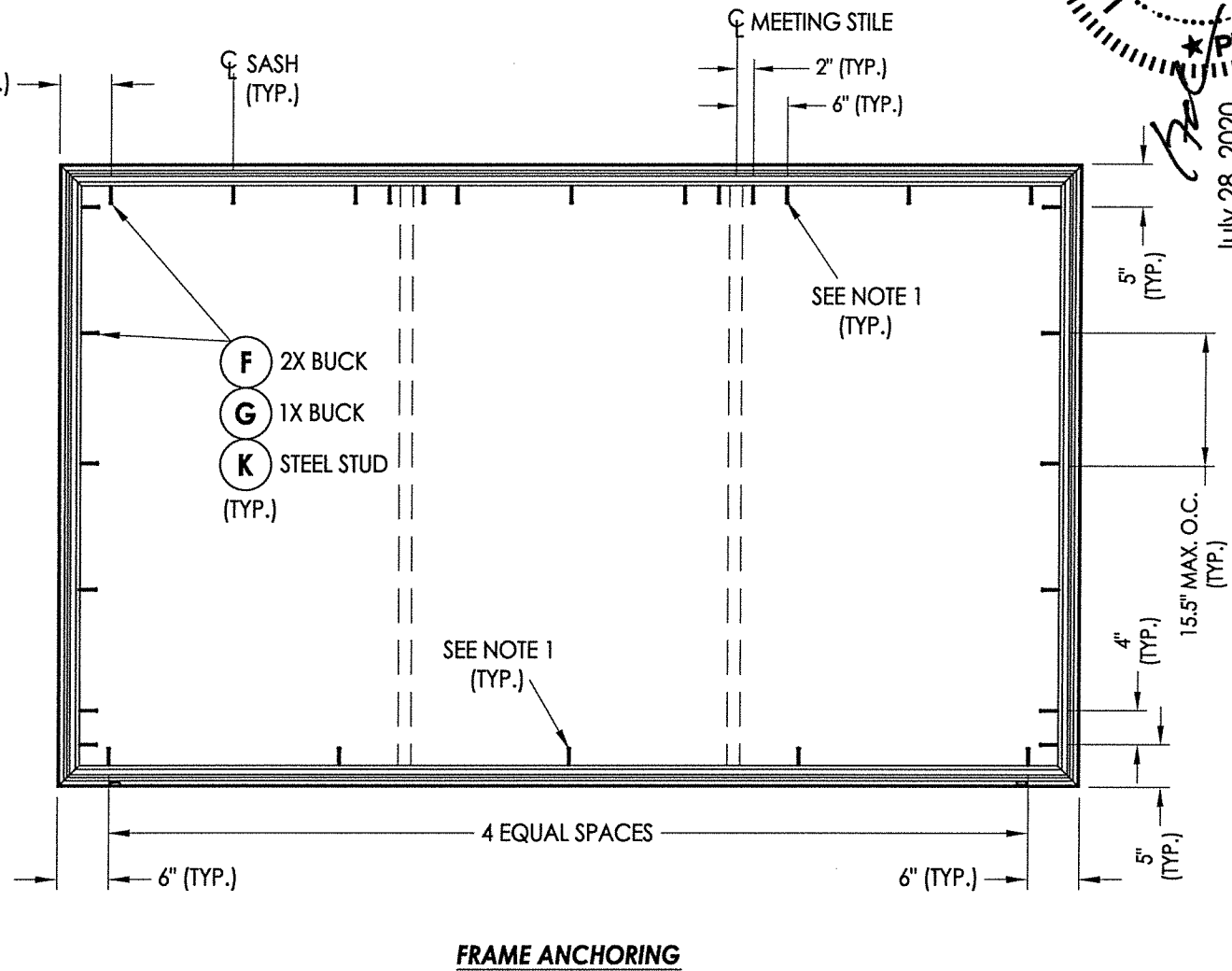
|                          |  |                                                                                                                                                                                             |  |
|--------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| DATE: 2/12/20            |  | <div style="display: flex; justify-content: space-between;"> <div> PRODUCT: <br/>SUNRISE WINDOWS </div> <div> PART OR ASSEMBLY: <br/>VERTICAL &amp; HORIZONTAL CROSS SECTIONS </div> </div> |  |
| SCALE: N.T.S.            |  |                                                                                                                                                                                             |  |
| DWG. BY: TRJ             |  |                                                                                                                                                                                             |  |
| CHK. BY: LFS             |  |                                                                                                                                                                                             |  |
| DRAWING NO.: FL-26909.17 |  |                                                                                                                                                                                             |  |
| SHEET 2 OF 5             |  | <div style="display: flex; justify-content: space-between;"> <div> 1 7/27/20 UPDATE TO 7TH ED (2020) FBC<br/> NO. DATE </div> <div> LFS<br/> BY </div> </div>                               |  |
|                          |  | <div style="display: flex; justify-content: space-between;"> <div></div> <div>REVISIONS</div> </div>                                                                                        |  |

R:\Clients\Sunrise Windows\A - Florida Product Approvals\FL-26909 - Horizontal Slider Window\C - Drawings\FL 26909 (2020)\FL-26909.17.dwg, 3.2



**NOTE:**

1. Frame anchors along the head and sill are located in the sash track where they are hidden when the sashes are closed.



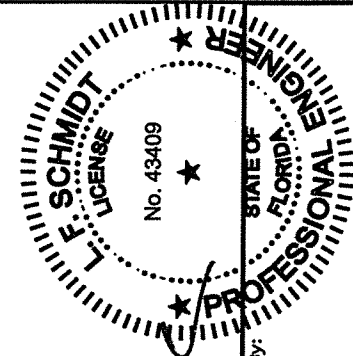
**CONCRETE ANCHOR NOTES:**

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®    | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| ELCO ULTRACON® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |

**WOOD SCREW INSTALLATION NOTES:**

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



July 28, 2020

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PRODUCT: SUNRISE WINDOWS

PART OR ASSEMBLY:  
BUCK & FRAME ANCHORING

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

DATE: 2/12/20

SCALE: N.T.S.

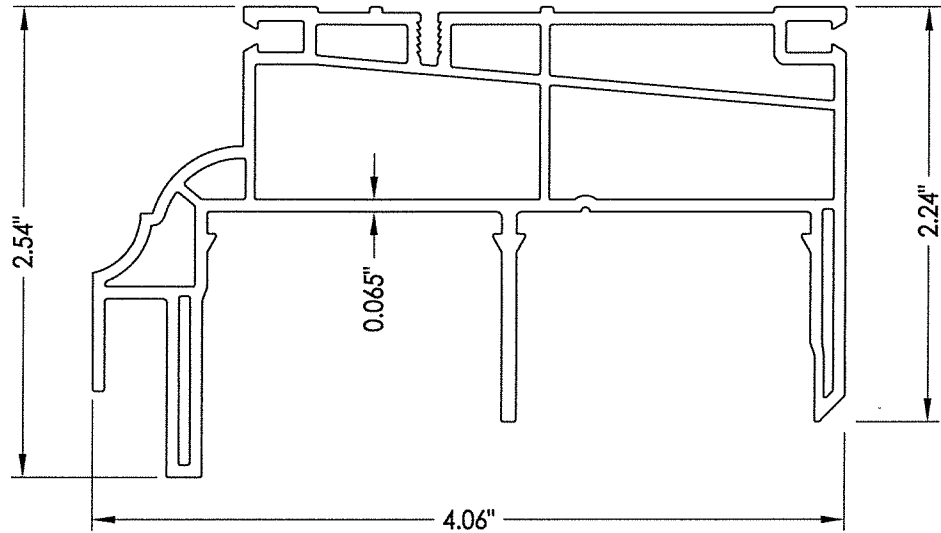
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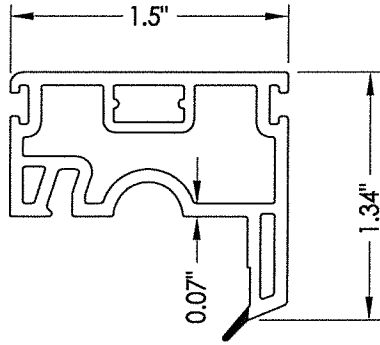
DRAWING NO.: FL-26909.17

SHEET 3 OF 5

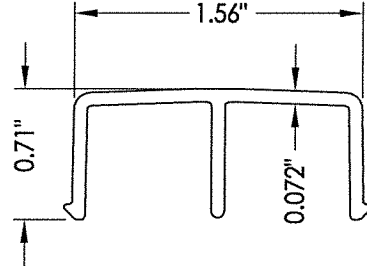
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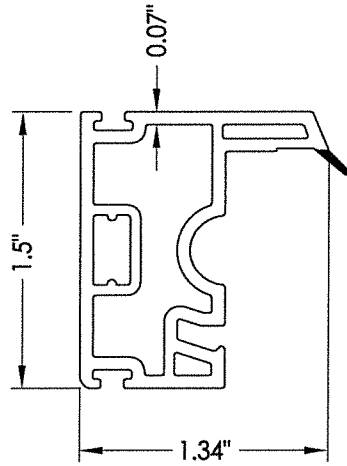
3 FRAME



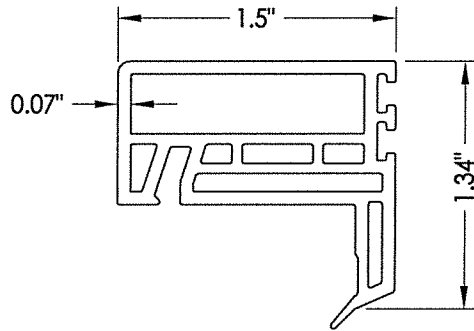
1 TOP/ BOTTOM RAIL



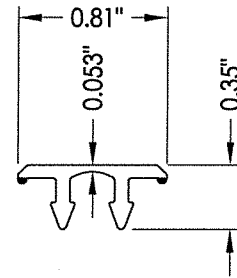
4 SILL TRACK



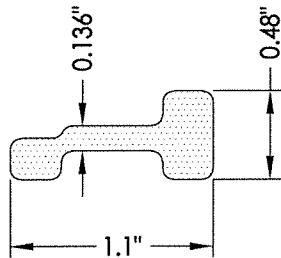
5 MEETING STILE



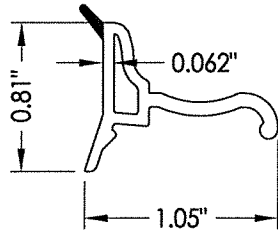
7 LOCK STILE



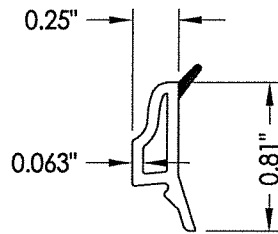
9 SASH LIFT LOCK



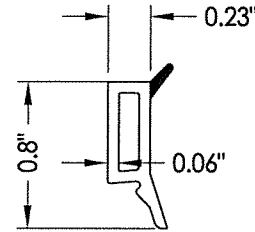
14 STILE/RAIL REINFORCEMENT



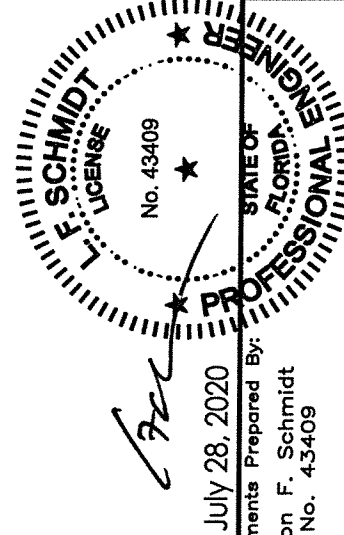
15 PULL STILE GLAZING BEAD



16 CONTOURED GLAZING BEAD



17 MTG. STILE GLAZING BEAD



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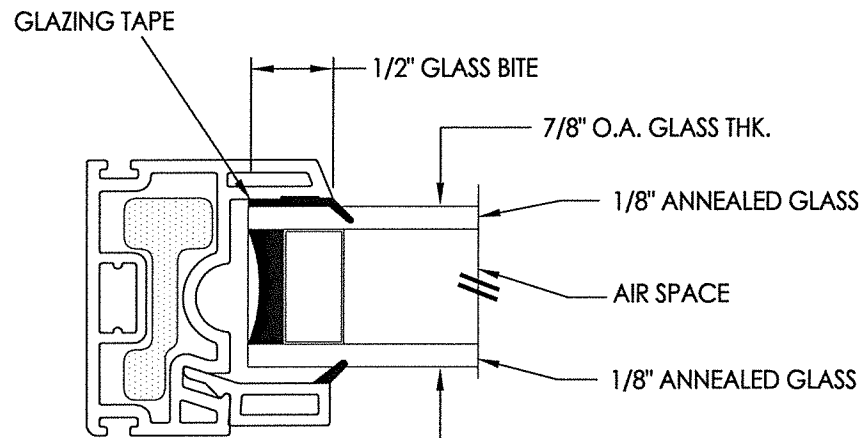
PART OR ASSEMBLY: COMPONENTS

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

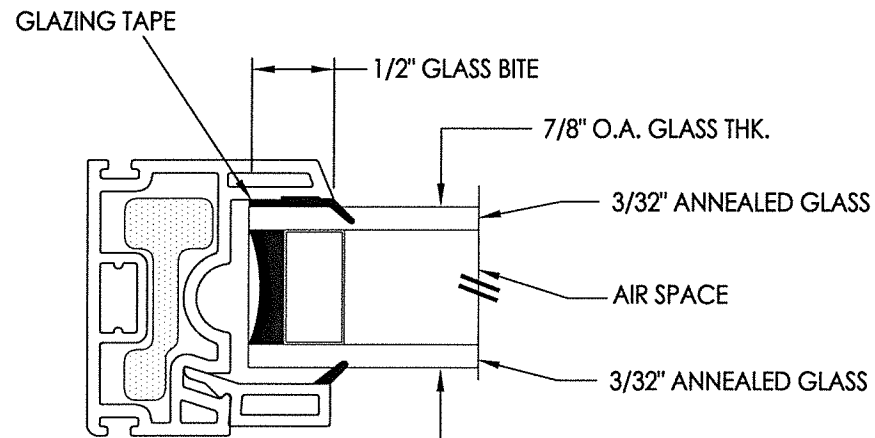
DATE: 2/12/20  
SCALE: N.T.S.  
DWG. BY: TRJ  
CHK. BY: LFS  
DRAWING NO.: FL-26909.17  
SHEET 4 OF 5

| 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                 | #10 X 2" PPH SMS (1-1/4" MIN. EMBEDMENT)                                                       | STEEL     |
| G                 | 1/4" X 3-1/4" PFH ELCO OR ITW CONCRETE SCREW                                                   | 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                 | TOP RAIL/BOTTOM RAIL*                                                                          | RIGID PVC |
| 3                 | FRAME*                                                                                         | RIGID PVC |
| 4                 | SILL TRACK*                                                                                    | RIGID PVC |
| 5                 | MEETING STILE*                                                                                 | RIGID PVC |
| 7                 | LOCK STILE*                                                                                    | RIGID PVC |
| 9                 | SASH LIFT LOCK*                                                                                | RIGID PVC |
| 11                | SASH LOCK                                                                                      | -         |
| 12                | KEEPER                                                                                         | -         |
| 14                | STILE/RAIL REINFORCEMENT                                                                       | COMP      |
| 15                | PULL STILE GLAZING BEAD*                                                                       | RIGID PVC |
| 16                | CONTOURED GLAZING BEAD*                                                                        | RIGID PVC |
| 17                | MEETING STILE GLAZING BEAD*                                                                    | RIGID PVC |
| 20                | WEATHERSTRIP                                                                                   | -         |
| 30                | ROLLER ASSY.                                                                                   | -         |

\* 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



## G2 GLAZING DETAIL

