



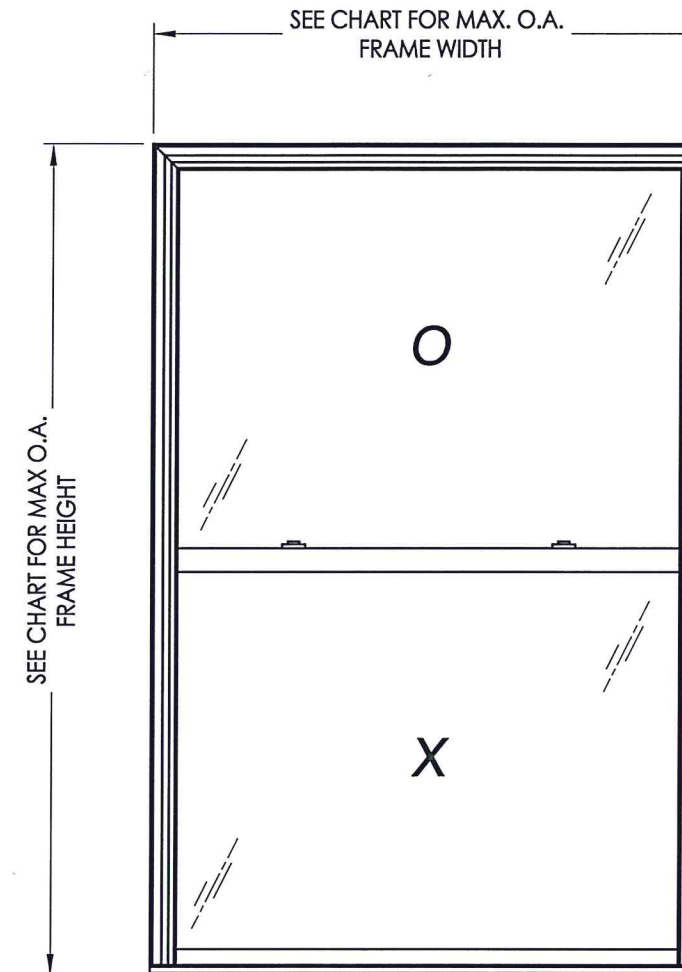
*The Difference is Clear!™*

**"Sunrise" Series  
Single Hung Window  
"NON-IMPACT"**

## GENERAL NOTES

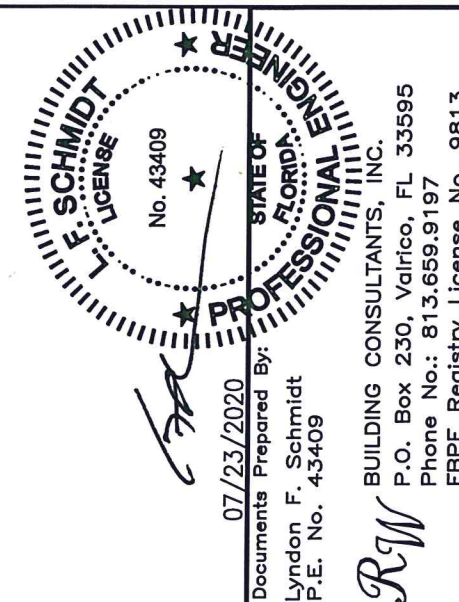
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 |                                                      |
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| SHEET #           | DESCRIPTION                                          |
| 1                 | Typical elevations, design pressures & general notes |
| 2                 | Horizontal cross sections                            |
| 3                 | Vertical cross sections                              |
| 4                 | Buck & frame anchoring                               |
| 5                 | Components                                           |
| 6                 | Bill of materials & glazing details                  |



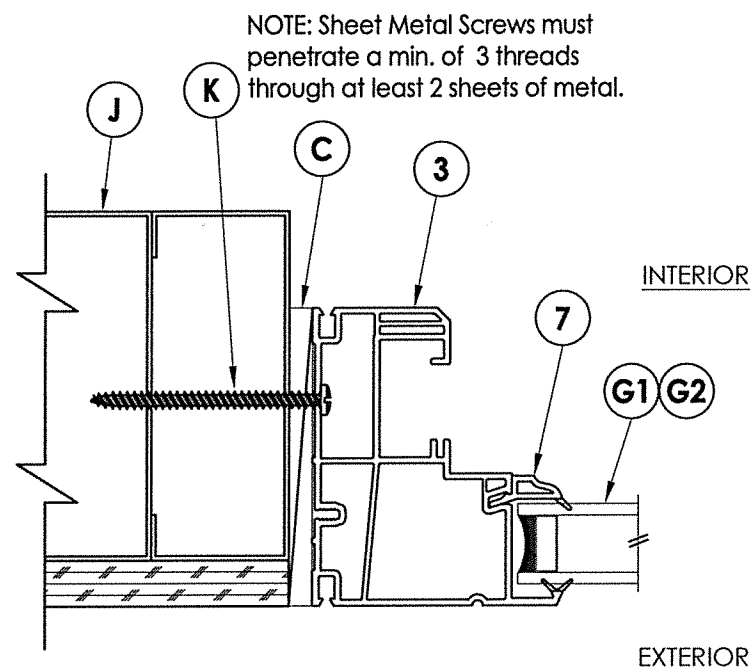
| MAX. OVERALL<br>FRAME<br>DIMENSION | MAX<br>DAY LITE<br>DIMENSION<br>(OPERABLE) | MAX<br>DAY LITE<br>DIMENSION<br>(FIXED) | GLASS<br>TYPE | DESIGN PRESSURE (PSF)<br>w/out SILL RISER |       | DESIGN PRESSURE (PSF)<br>w/ SILL RISER |       |
|------------------------------------|--------------------------------------------|-----------------------------------------|---------------|-------------------------------------------|-------|----------------------------------------|-------|
|                                    |                                            |                                         |               | POS.                                      | NEG.  | POS.                                   | NEG.  |
| 49.0" X 93.0"                      | 43.19" x 43.31"                            | 43.5" x 43.38"                          | G1            | +25.0                                     | -35.0 | +25.0                                  | -35.0 |
| 44.0" X 100.0"                     | 38.19" x 46.81"                            | 38.5" x 46.88"                          | G1            | +25.0                                     | -35.0 | +25.0                                  | -35.0 |
| 53.0" X 83.0"                      | 47.19" x 38.31"                            | 47.5" x 38.38"                          | G1            | +25.0                                     | -35.0 | +25.0                                  | -35.0 |
| 40.0" X 63.0"                      | 34.19" x 28.31"                            | 34.5" x 28.38"                          | G2            | +25.0                                     | -50.0 | +45.0                                  | -50.0 |

SEE SHEETS 2 & 3 FOR REINFORCEMENT REQUIREMENTS

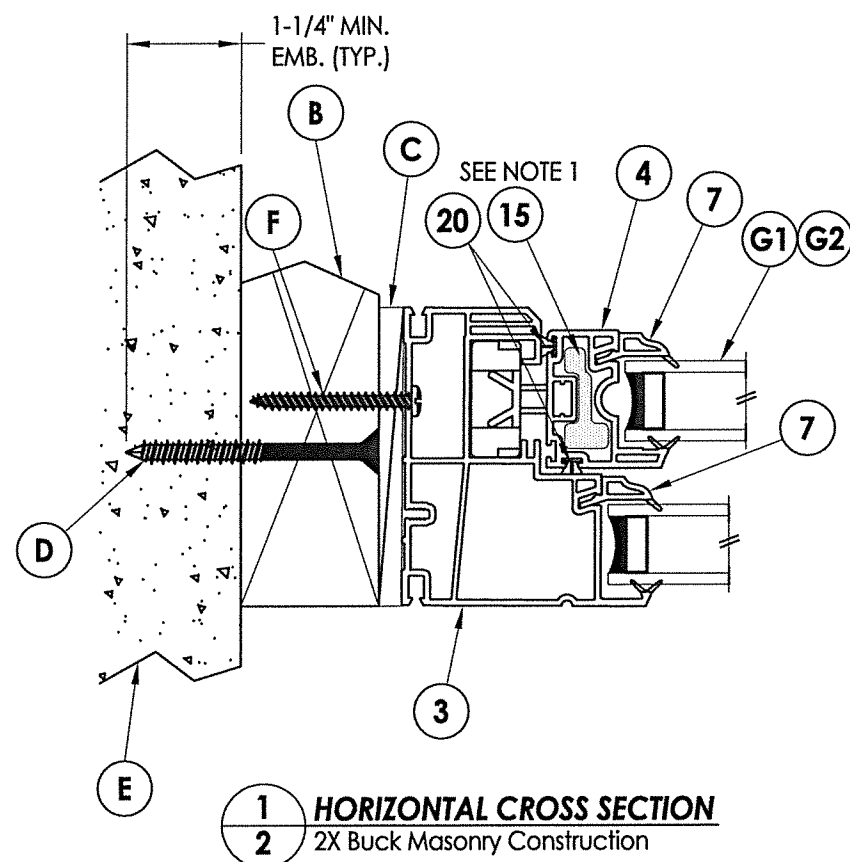


|                                                                          |         |                         |     |     |           |
|--------------------------------------------------------------------------|---------|-------------------------|-----|-----|-----------|
| DATE: 4/04/20                                                            |         |                         |     |     |           |
| SCALE: N.T.S.                                                            |         |                         |     |     |           |
| DWG. BY: TRJ                                                             |         |                         |     |     |           |
| CHK. BY: LFS                                                             |         |                         |     |     |           |
| DRAWING NO.: FL-26906.8                                                  |         |                         |     |     |           |
|                                                                          |         |                         |     |     |           |
|                                                                          |         |                         |     |     |           |
|                                                                          |         |                         |     |     |           |
|                                                                          |         |                         |     |     |           |
|                                                                          |         |                         |     |     |           |
| 1                                                                        | 7/23/20 | UPDATE TO 7th ED (2020) | FBC | DAC |           |
| NO.                                                                      | DATE    |                         |     | BY  |           |
|                                                                          |         |                         |     |     | REVISIONS |
| PRODUCT:<br>SUNRISE SERIES<br>SINGLE HUNG WINDOW                         |         |                         |     |     |           |
| PART OR ASSEMBLY:<br>TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES |         |                         |     |     |           |
| SHEET 1 OF 6                                                             |         |                         |     |     |           |

1. SASH STILE REINFORCEMENT REQUIRED IN ALL SIZES EXCEPT 40" X 63" FRAME SIZE.

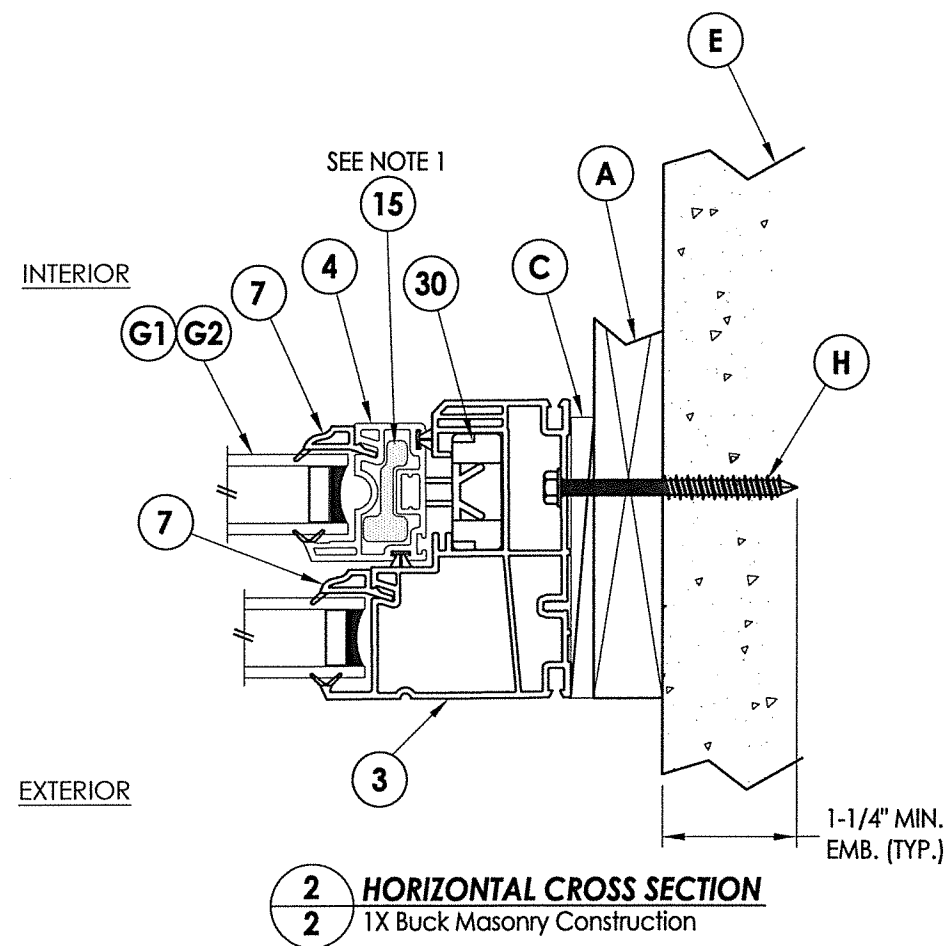


**3 HORIZONTAL CROSS SECTION**  
**2** Metal Stud Construction

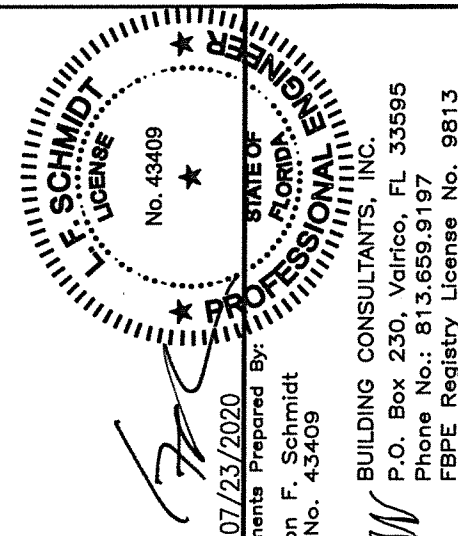


## 1 HORIZONTAL CROSS SECTION

### 2 2X Buck Masonry Construction



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



07/23/2020  
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FBPE Registry License No. 9813

|                         |  |                                                   |  |
|-------------------------|--|---------------------------------------------------|--|
| DATE: 4/04/20           |  | PRODUCT: SUNRISE SERIES<br>SINGLE HUNG WINDOW     |  |
| SCALE: N.T.S.           |  | PART OR ASSEMBLY:<br>HORIZONTAL<br>CROSS SECTIONS |  |
| DWG. BY: TRJ            |  |                                                   |  |
| CHK. BY: LFS            |  |                                                   |  |
| DRAWING NO.: FL-26906.8 |  |                                                   |  |
| SHEET 2 OF 6            |  |                                                   |  |

The diagram illustrates the vertical cross section of a window frame assembly. The top portion shows the interior view, with labels 'EXTERIOR' and 'INTERIOR' indicating the respective sides. Numbered callouts (1-15) identify various components of the frame and sash. The bottom portion shows the exterior view, including the frame's connection to the masonry wall. Callouts (16-24) identify these components. A note 'SHOWN w/ BOTTOM SASH PULL RAIL' points to a specific part. A dimension line indicates a minimum embedment depth of 1-1/4 inches. A table at the bottom provides additional context for the diagram.

|                              |                               |
|------------------------------|-------------------------------|
| 2                            | <b>VERTICAL CROSS SECTION</b> |
| 3                            |                               |
| 2X Buck Masonry Construction |                               |

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



07/23/2020  
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PRODUCT: SUNRISE SERIES  
SINGLE HUNG WINDOW

**PART OR ASSEMBLY:**

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| 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.

[illegible]

DATE: 4/04/20

SCALE: N.T.S.

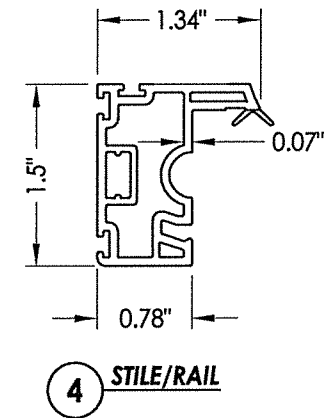
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CHK. BY: LFS

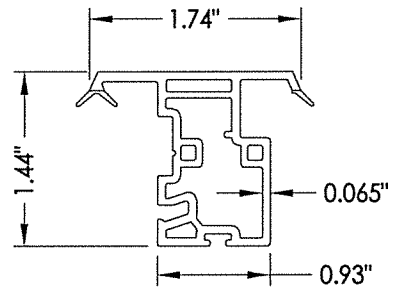
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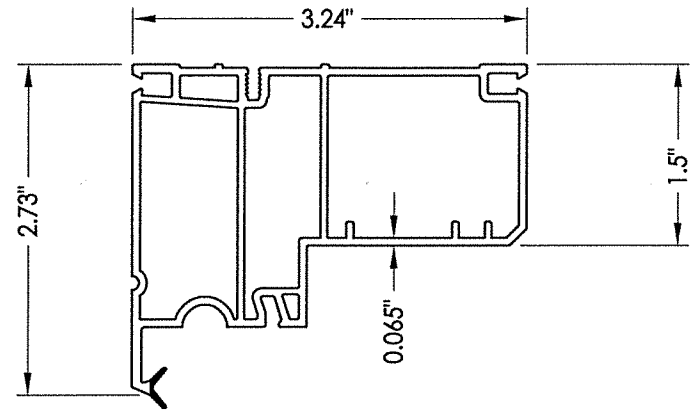
SHEET 4 OF 6



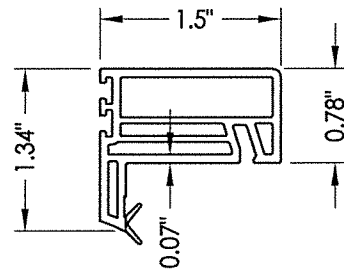
**4 STILE/RAIL**



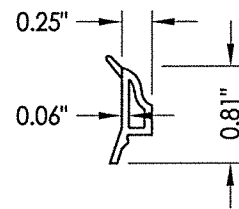
**5** KEEPER RAIL



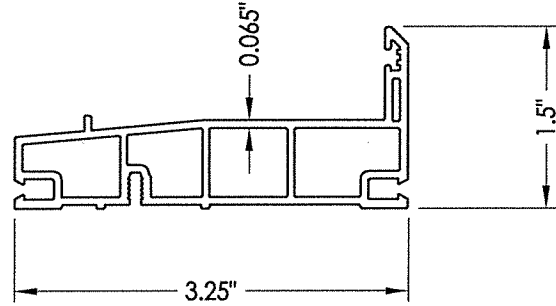
**1 HEAD**



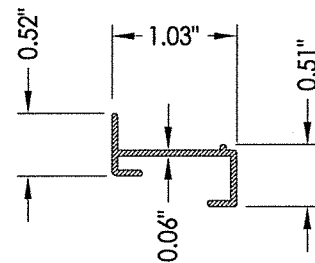
## 6 LOCK RAIL



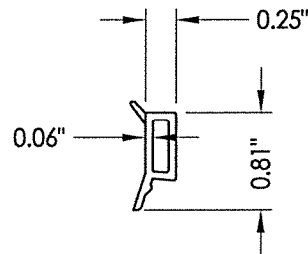
**7 GLAZING BEAD**  
Stile/ Rail



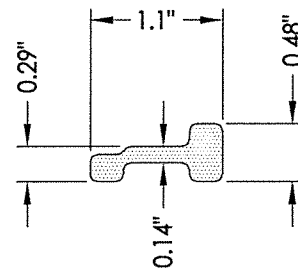
2 SILL



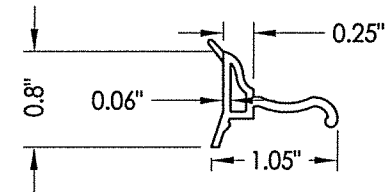
## 10 REINFORCEMENT



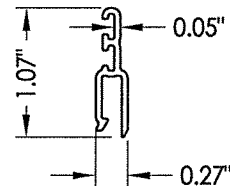
**8 GLAZING BEAD**  
Keeper Rail



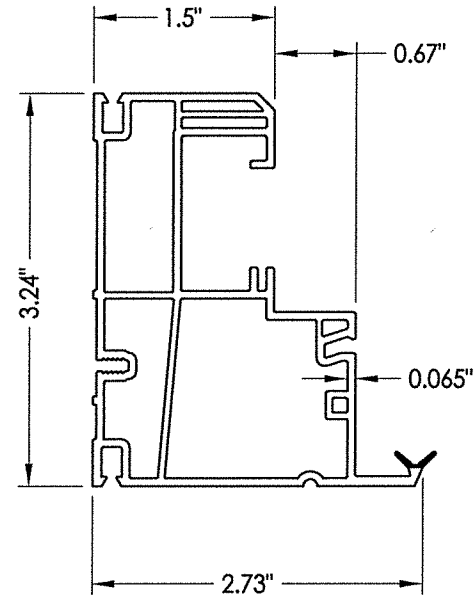
**15 REINFORCEMENT**  
Stile/ Rail



**9 GLAZING BEAD**  
Lift rail



**19** SILL RISER



**3** JAMB



07/23/2020

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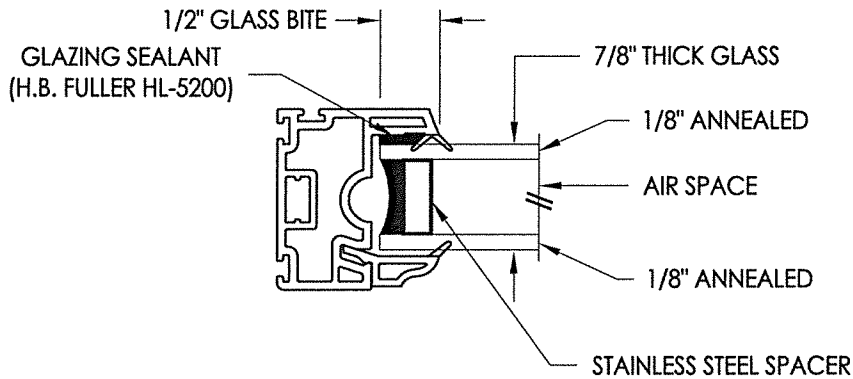
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|                         |  |                                               |         |
|-------------------------|--|-----------------------------------------------|---------|
| DATE: 4/04/20           |  | PRODUCT: SUNRISE SERIES<br>SINGLE HUNG WINDOW |         |
| SCALE: N.T.S.           |  |                                               |         |
| DWG. BY: TRJ            |  |                                               |         |
| CHK. BY: LFS            |  |                                               |         |
| DRAWING NO.: FL-26906.8 |  | PART OR ASSEMBLY: COMPONENTS                  |         |
| SHEET 5 OF 6            |  | REVISIONS                                     |         |
|                         |  | 1                                             | 7/23/20 |
|                         |  | UPDATE TO 7th ED (2020)                       |         |
|                         |  | FBC                                           | DAC     |
|                         |  | NO.                                           | BY      |
|                         |  | DATE                                          |         |

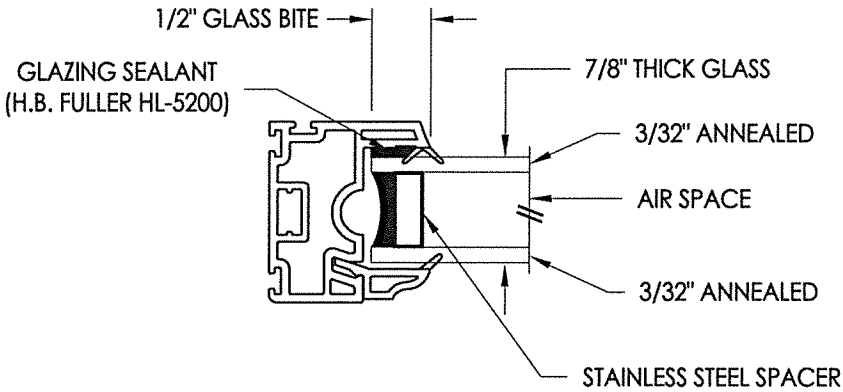
\\dc01\wbc\Clients\Sunrise Windows\A - Florida Product Approvals\FL-26906 - Single Hung Window\C - Drawings\FL 26906 (2020)\FL-26906.8.dwg

| 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 1-3/4" PPH SMS (1-3/8" MIN. EMBEDMENT)                                                   | STEEL         |
| H                 | 1/4" X 2-3/4" HWH ELCO OR ITW CONCRETE SCREW                                                   | STEEL         |
| 1                 | HEAD*                                                                                          | RIGID PVC     |
| 2                 | SILL*                                                                                          | RIGID PVC     |
| 3                 | JAMB*                                                                                          | RIGID PVC     |
| 4                 | STILE/ RAIL*                                                                                   | RIGID PVC     |
| 5                 | KEEPER RAIL*                                                                                   | RIGID PVC     |
| 6                 | LOCK RAIL*                                                                                     | RIGID PVC     |
| 7                 | GLAZING BEAD* (STILE/ RAIL)                                                                    | RIGID PVC     |
| 8                 | GLAZING BEAD* (KEEPER RAIL)                                                                    | RIGID PVC     |
| 9                 | GLAZING BEAD* (LIFT RAIL)                                                                      | RIGID PVC     |
| 10                | REINFORCEMENT (KEEPER RAIL)                                                                    | 6063-T6 ALUM. |
| 15                | REINFORCEMENT (STILE/RAIL)                                                                     | COMP.         |
| 11                | SASH LOCK                                                                                      | -             |
| 14                | #6 X 1" PFH SMS                                                                                | STEEL         |
| 19                | SILL RISER*                                                                                    | RIGID PVC     |
| 20                | WEATHERSTRIP (FIN-PILE)                                                                        | -             |
| 24                | BULB GASKET                                                                                    | FOAM          |
| 30                | WINDOW BALANCE                                                                                 | -             |

\* 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

|                                                                                                                                        |  |                                                                                                                                                                    |  |
|----------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div>07/23/2020<br/>Documents Prepared By:<br/>Lyndon F. Schmidt<br/>P.E. No. 43409</div> <div>07/23/2020<br/>DATE<br/>1<br/>NO.</div> |  | <div>DATE: 4/04/20</div> <div>SCALE: N.T.S.</div> <div>DWG. BY: TRJ</div> <div>CHK. BY: LFS</div> <div>DRAWING NO.: FL-26906.8</div> <div>SHEET 6 OF 6</div>       |  |
| <div>PRODUCT:<br/>SUNRISE SERIES<br/>SINGLE HUNG WINDOW</div>                                                                          |  | <div>REVISIONS</div>                                                                                                                                               |  |
| <div>PART OR ASSEMBLY:<br/>BILL OF MATERIALS<br/>AND GLAZING DETAILS</div>                                                             |  | <div>DATE: 7/23/20</div> <div>UPDATE TO 7th ED (2020)</div> <div>FBC</div> <div>DAC</div> <div>BY</div>                                                            |  |
| <div>STATE OF FLORIDA<br/>F. SCHMIDT<br/>LICENSE<br/>No. 43409</div>                                                                   |  | <div>STATE OF FLORIDA<br/>R.W. BUILDING CONSULTANTS, INC.<br/>P.O. Box 230, Valrico, FL 33595<br/>Phone No.: 813.659.9197<br/>FBPE Registry License No. 9813</div> |  |