



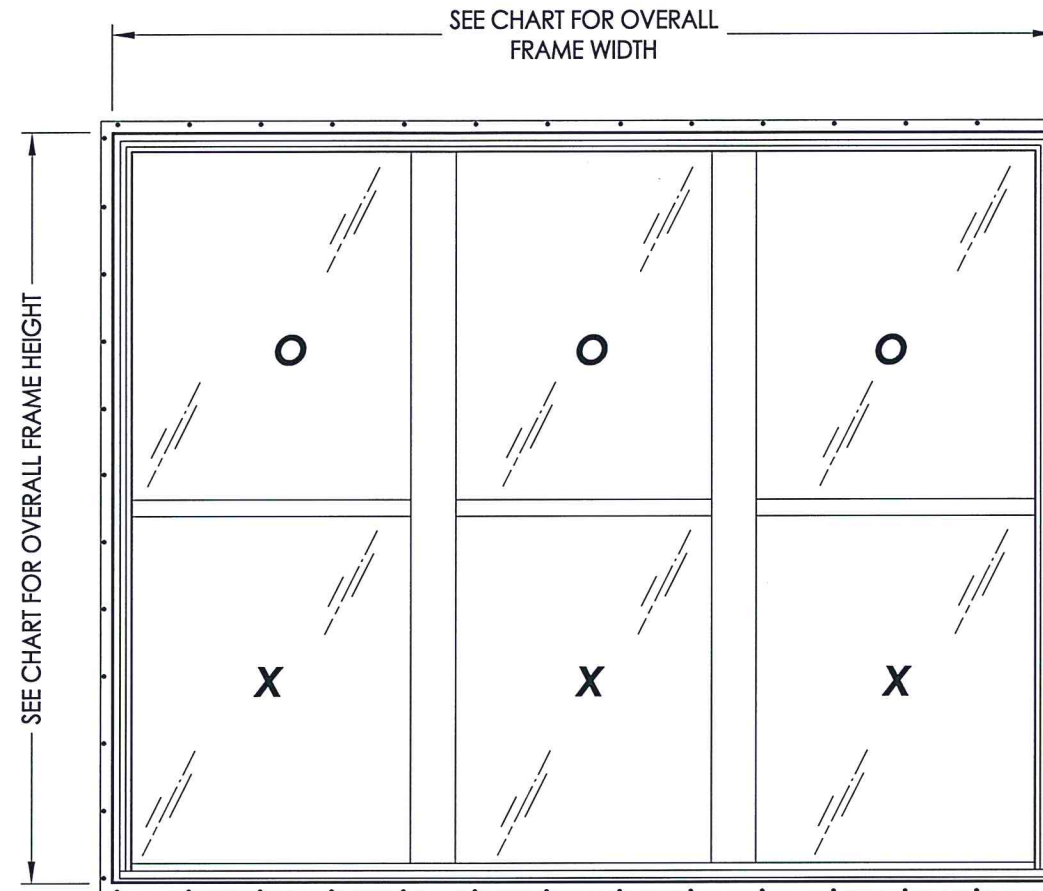
3773 STATE ROAD  
CUYAHOGA FALLS, OH 44223

**SERIES 1900 MODEL 1930**  
**TRIPLE SINGLE HUNG WINDOW**  
**w/ NAILING FIN**  
**"NON-IMPACT"**

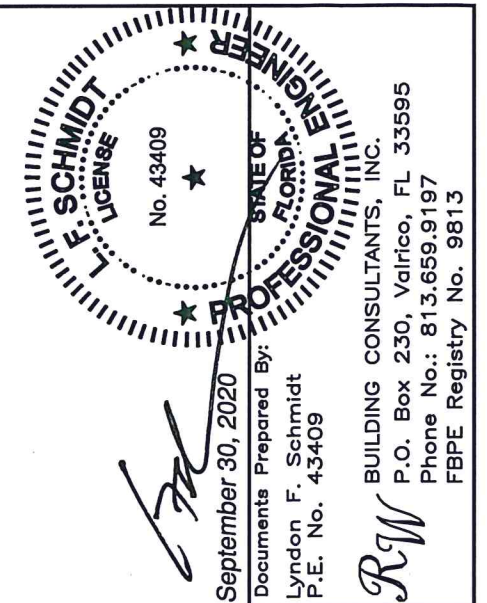
## GENERAL NOTES

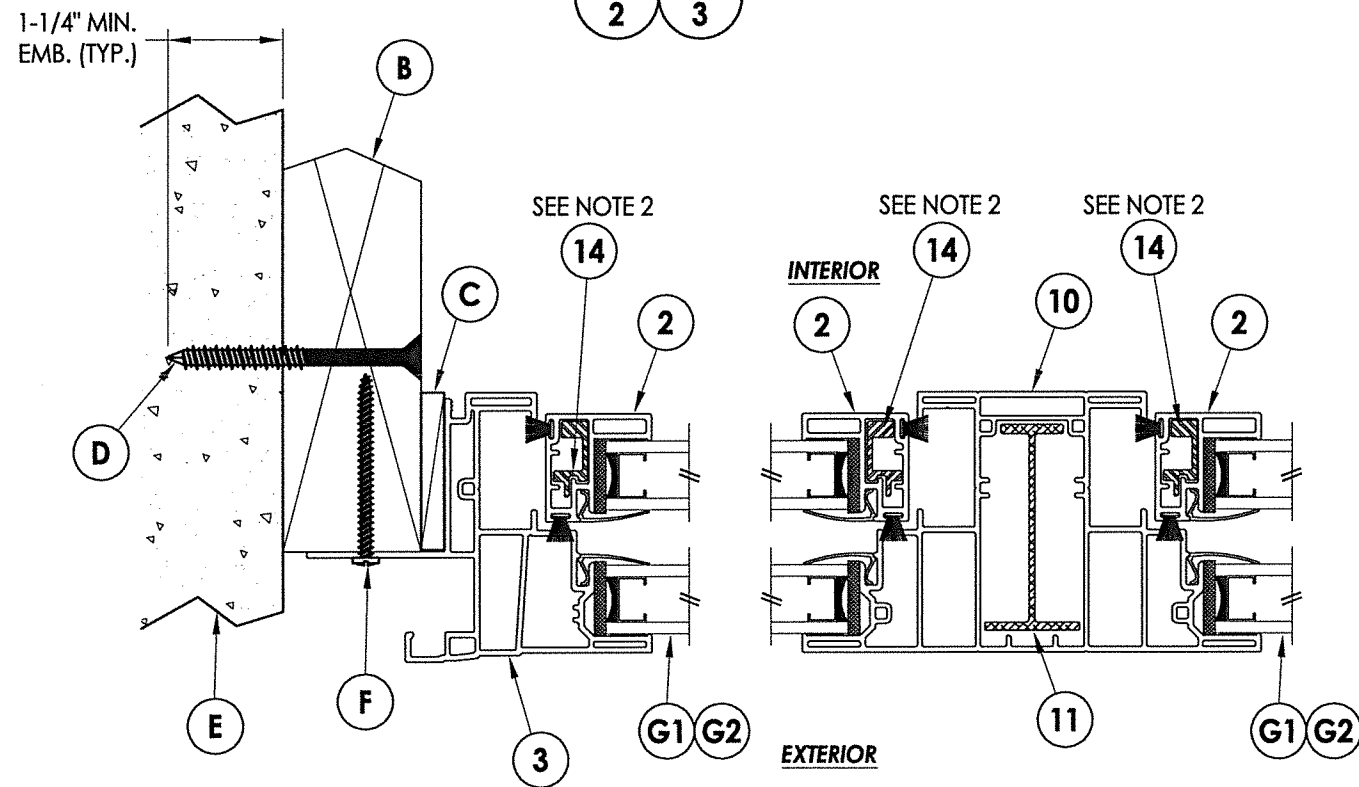
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ). See the Certification Agency Certificate for sizes, specifications and ratings.
2. Product anchors shall be as listed 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 must be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. 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 and general notes |
| 2                 | Vertical & horizontal cross sections                   |
| 3                 | Vertical & horizontal cross sections                   |
| 4                 | Buck anchoring                                         |
| 5                 | Frame anchoring                                        |
| 6                 | Bill of materials, glazing detail & components         |



| OVERALL<br>FIN<br>DIMENSION | OVERALL<br>FRAME<br>DIMENSION | FIXED WINDOW<br>OVERALL D.L.O.<br>DIMENSION (O) | SASH<br>OVERALL D.L.O.<br>DIMENSION (X) | GLASS<br>TYPE | DESIGN PRESSURE (PSF) |          |
|-----------------------------|-------------------------------|-------------------------------------------------|-----------------------------------------|---------------|-----------------------|----------|
|                             |                               |                                                 |                                         |               | POSITIVE              | NEGATIVE |
| 91.0" x 78.0"               | 88.0" x 75.0"                 | 24.5" x 34.375"                                 | 24.5" x 34.375"                         | G2            | +20.0                 | -20.0    |
| 111.0" x 87.0"              | 108.0" x 84.0"                | 31.125" x 38.875"                               | 31.125" x 38.875"                       | G1            | +25.0                 | -25.0    |

[illegible]



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

A

B

C

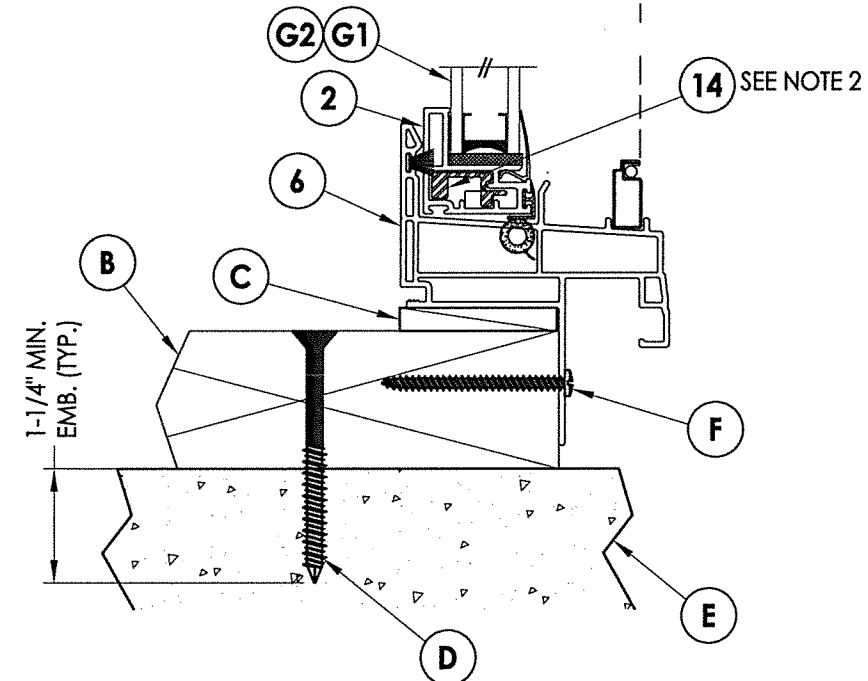
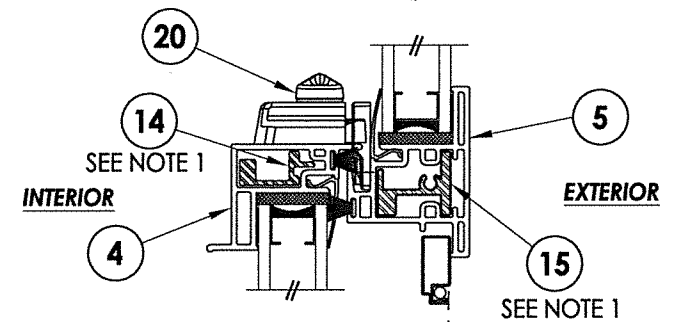
D

E

F

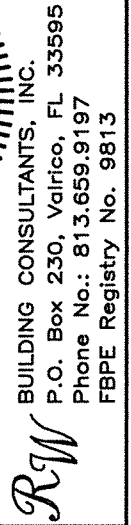
1

G2 G1

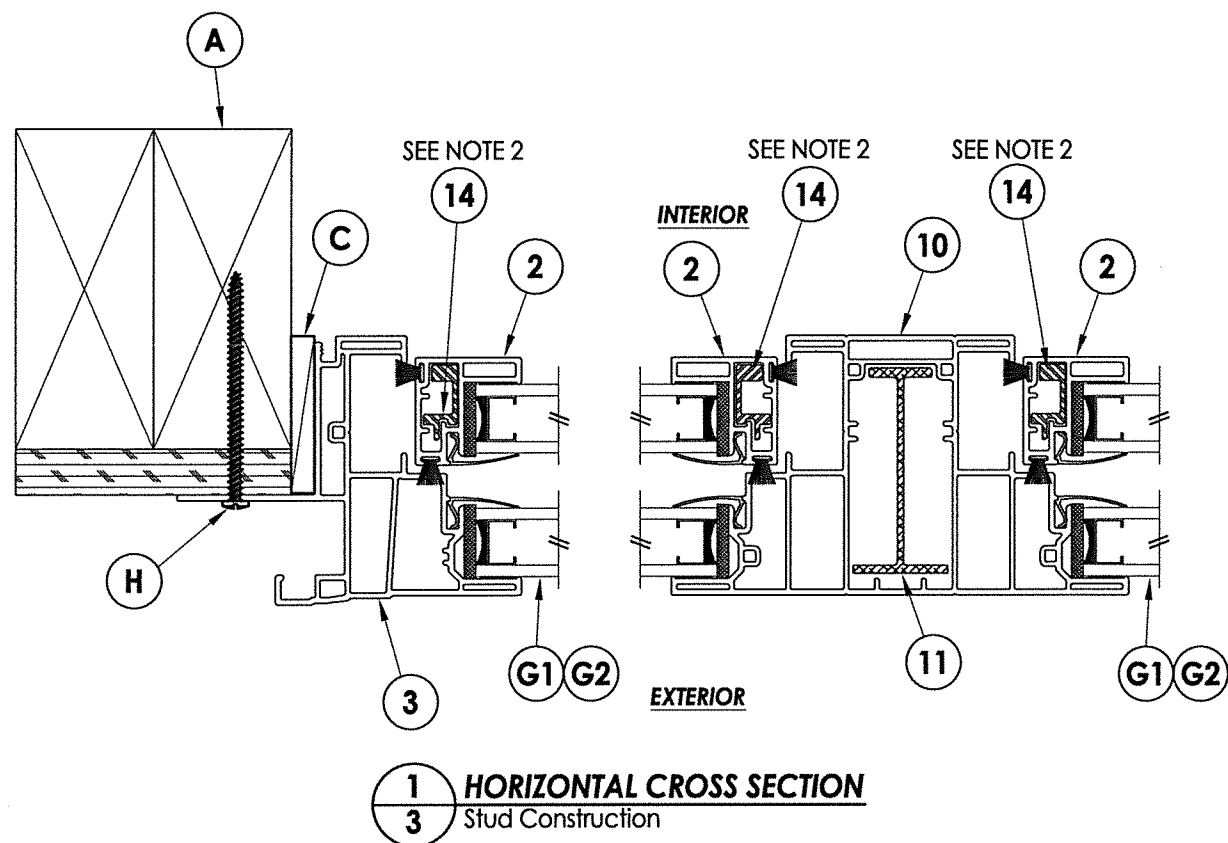


**2 VERTICAL CROSS SECTION**  
2x Buck Construction

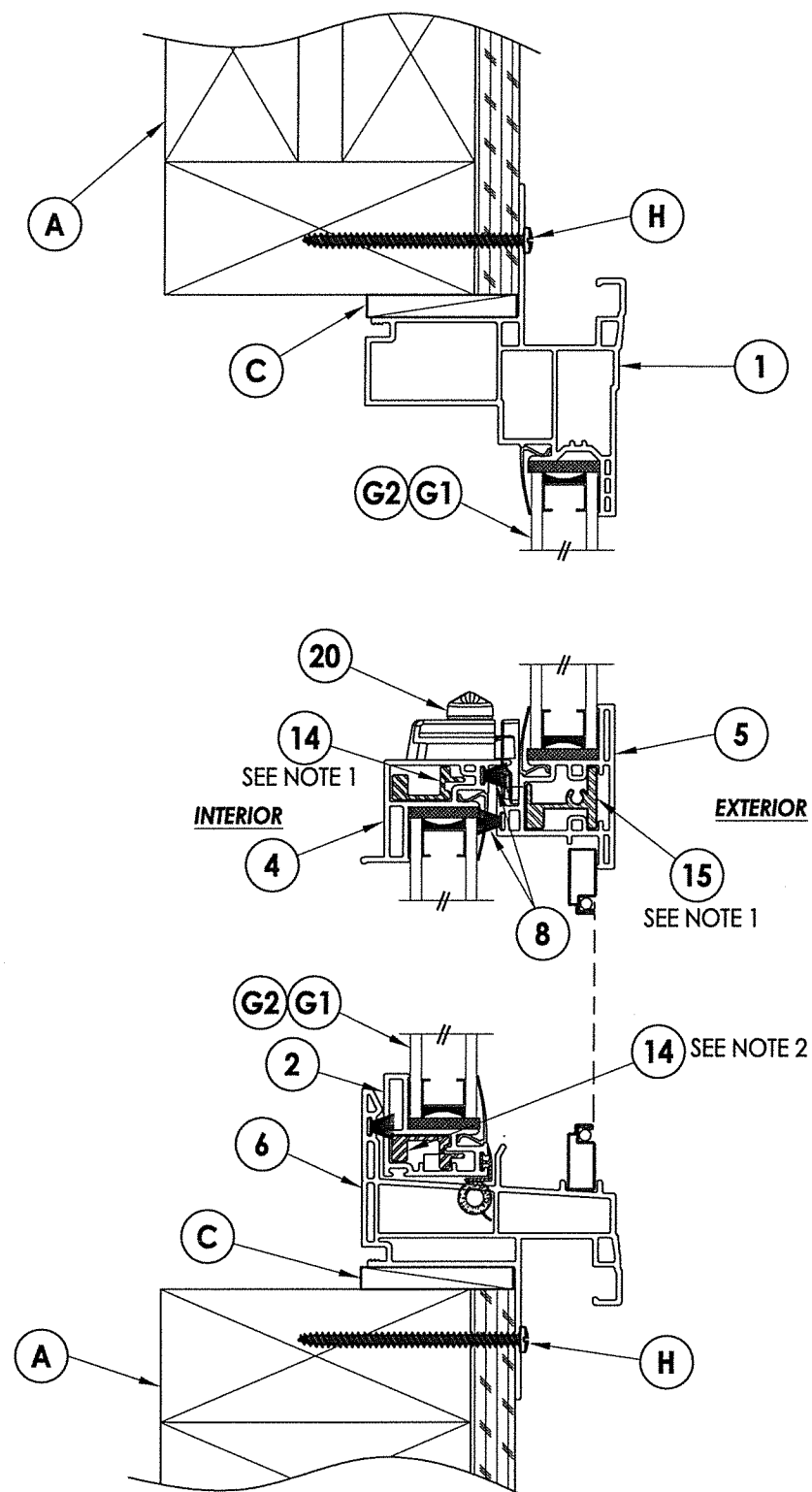
1. LOCK & MEETING RAIL REINFORCEMENTS ARE REQUIRED FOR ALL WINDOW FRAME SIZES.
2. SASH STILE & BOTTOM RAIL REINFORCEMENTS ARE REQUIRED FOR EACH OF THE FOLLOWING:
  - A. ALL WINDOW FRAME SIZES > 88" x 75".
  - B. ALL WINDOW FRAME SIZES WITH DESIGN PRESSURE > 20 PSF.



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**3 VERTICAL CROSS SECTION**  
Steel Stud Construction

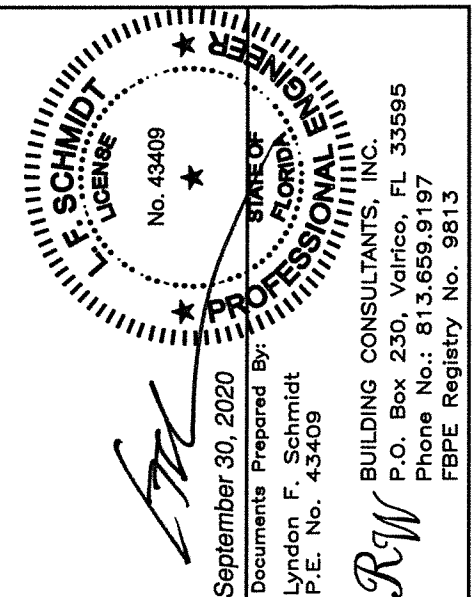


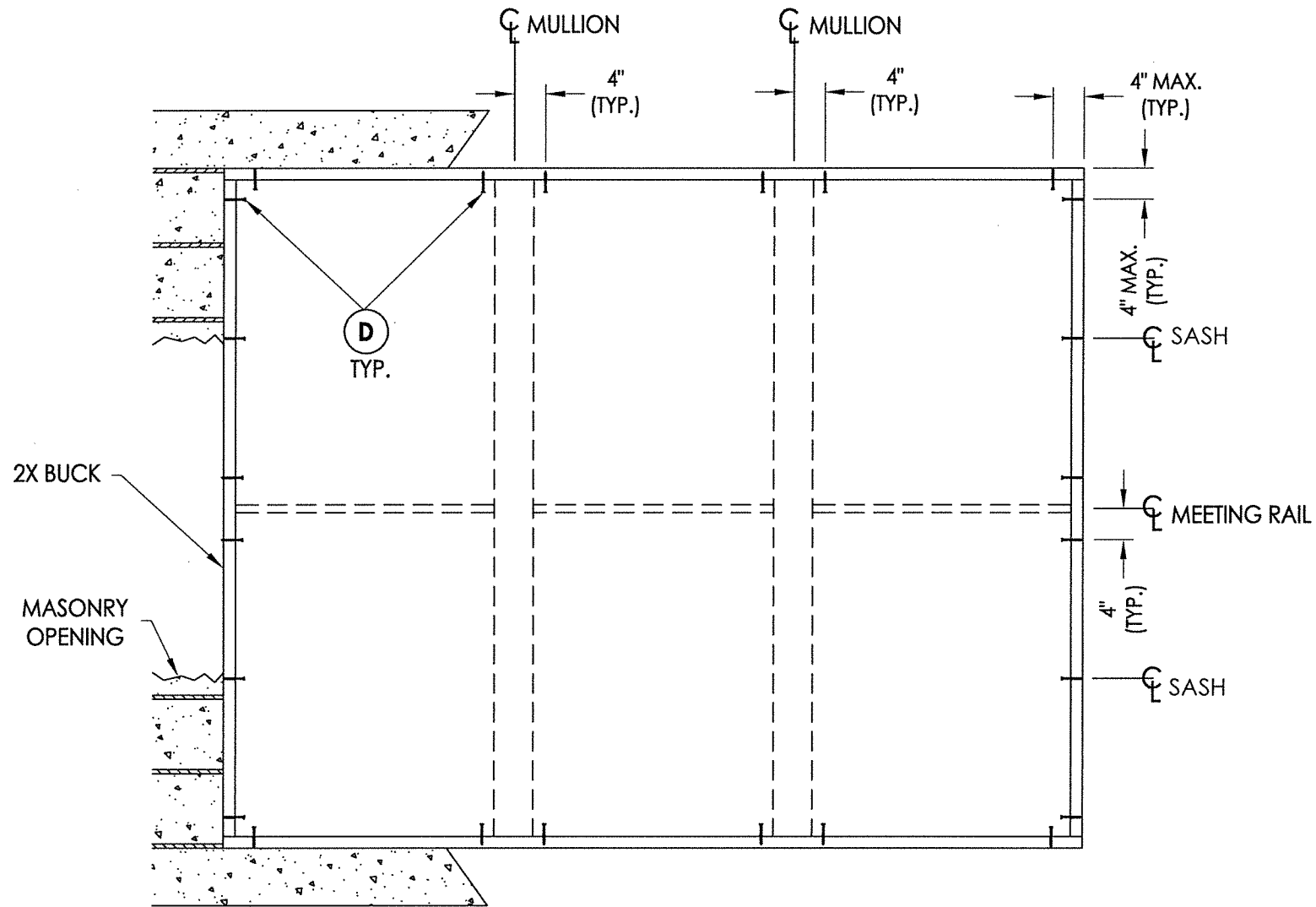
## 2 VERTICAL CROSS SECTION

### 3 Stud Construction

## REINFORCEMENT NOTES:

1. LOCK & MEETING RAIL REINFORCEMENTS ARE REQUIRED FOR ALL WINDOW FRAME SIZES.
2. SASH STILE & BOTTOM RAIL REINFORCEMENTS ARE REQUIRED FOR EACH OF THE FOLLOWING:
  - A. ALL WINDOW FRAME SIZES > 88" x 75".
  - B. ALL WINDOW FRAME SIZES WITH DESIGN PRESSURE > 20 PSF.

[illegible]



## BUCK ANCHORING

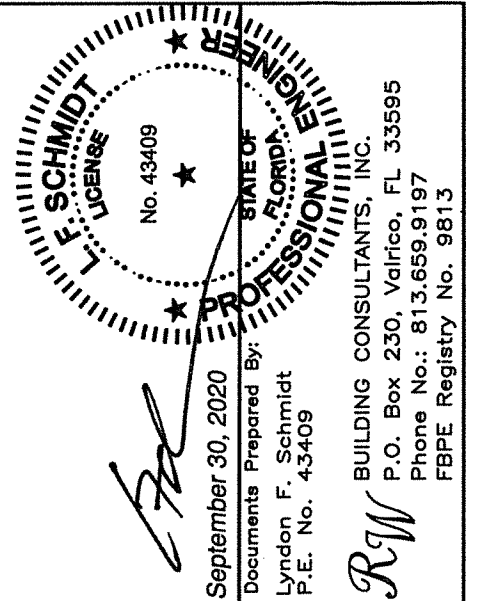
CONCRETE ANCHOR NOTES:

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"                                |
| DeWALT 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.



September 30, 2020

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P.E. No. 43409

**REV**  
BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33593

Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: SINGLE HUNG WINDOW

**PART OR ASSEMBLY:**  
**BUCK ANCHORING**

|           |         |                          |     |     |
|-----------|---------|--------------------------|-----|-----|
| 1         | 9/30/20 | UPDATE TO 7TH ED. (2020) | FBC | LFS |
| NO.       | DATE    | BY                       |     |     |
| REVISIONS |         |                          |     |     |

DATE: 6/04/18

SCALE: N.T.S.

DWG. BY: JK

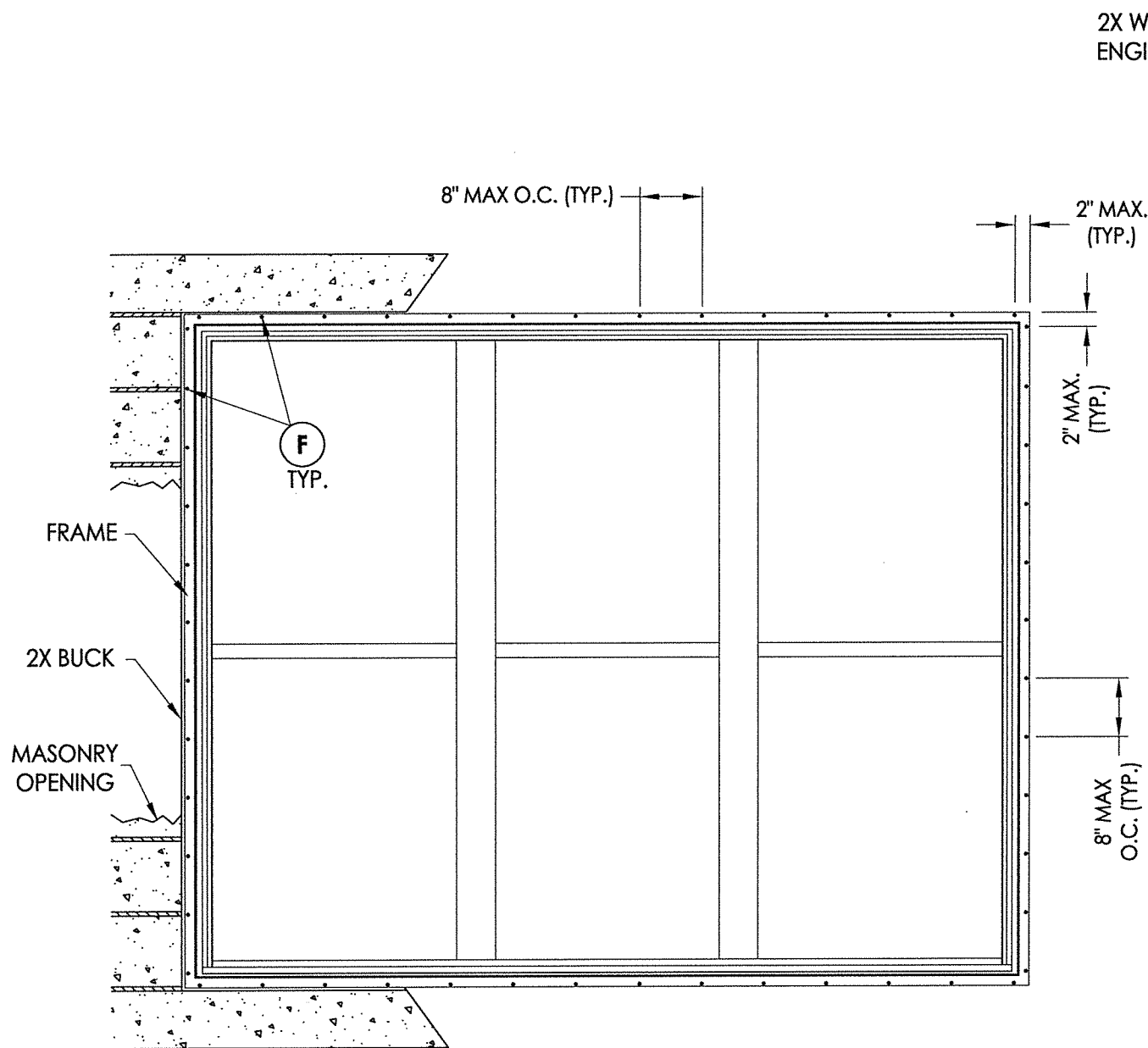
CHK. BY: LFS

DRAWING NO.:

FL-26514.8

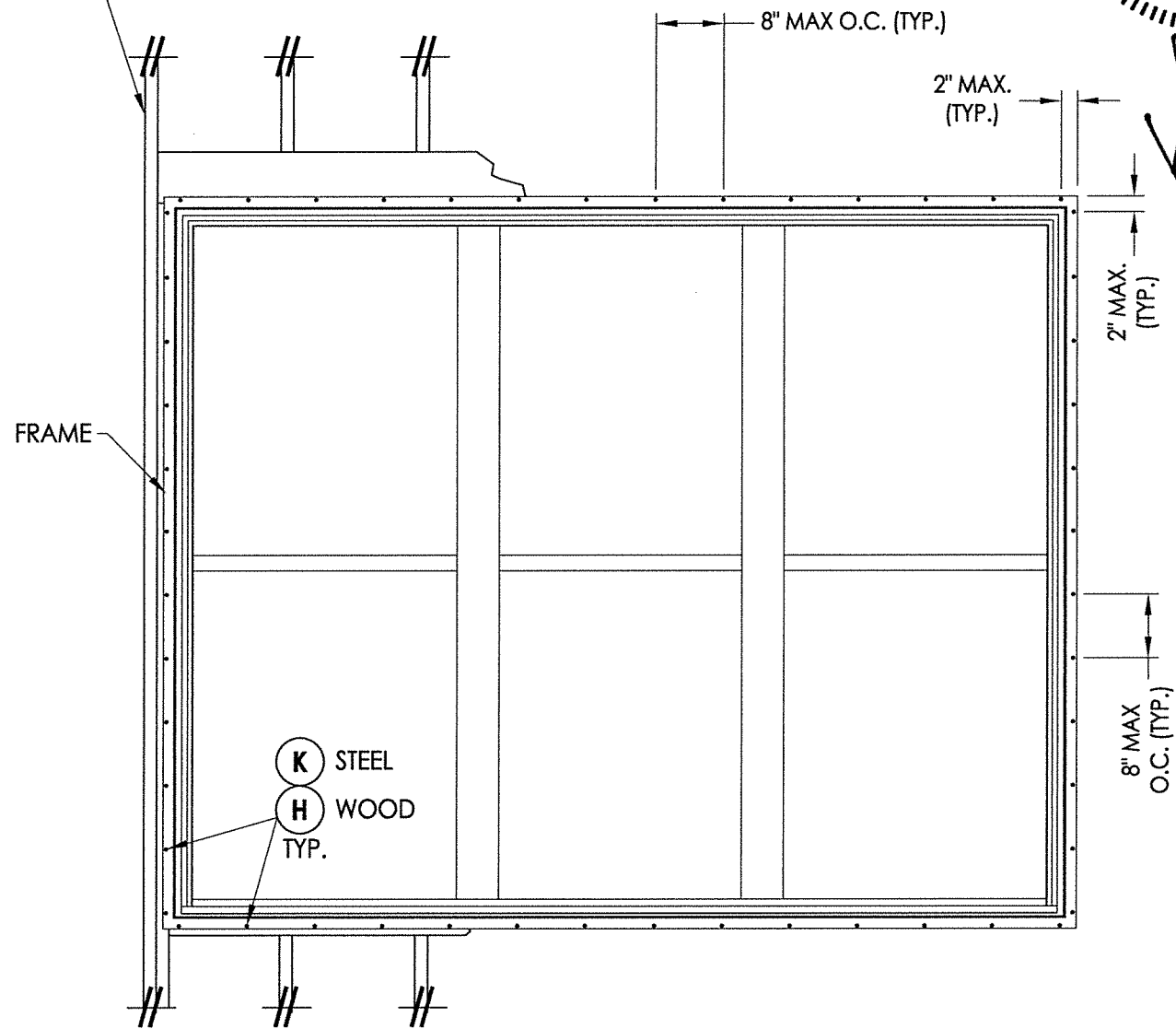
SHEET 4 OF 6

R:\Clients\Associated PERMANENT\VA - Florida Product Approvals\FL-26514 Windows - Single Hung (CM)\C - Drawings\FL-26514 (2020)\FL-26514.7-8.dwg, 3-5

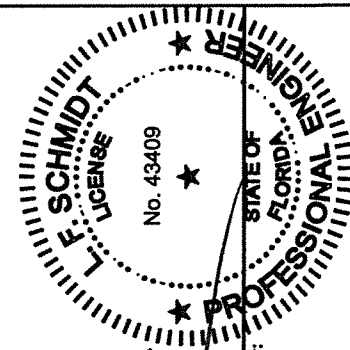


**FRAME ANCHORING**  
Masonry 2X Buck Construction

2X WOOD OR STEEL STUD FRAMING TO BE DESIGNED BY THE  
ENGINEER OR ARCHITECT OF RECORD.



**FRAME ANCHORING**  
Stud Construction

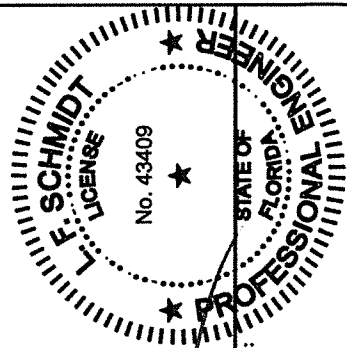
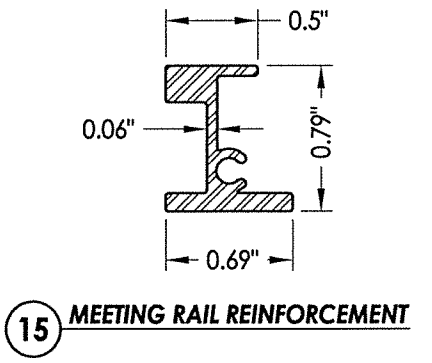
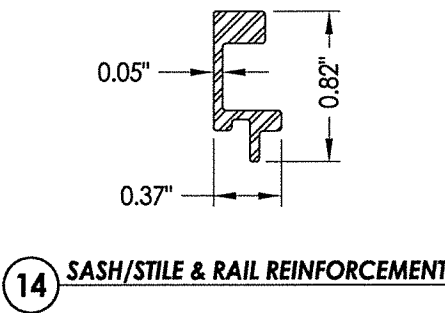
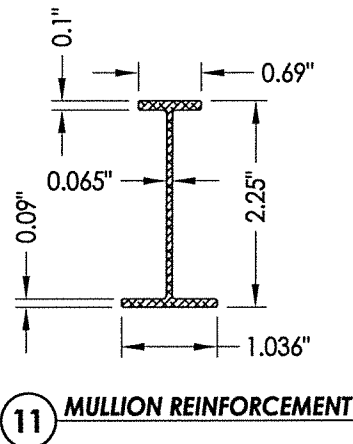
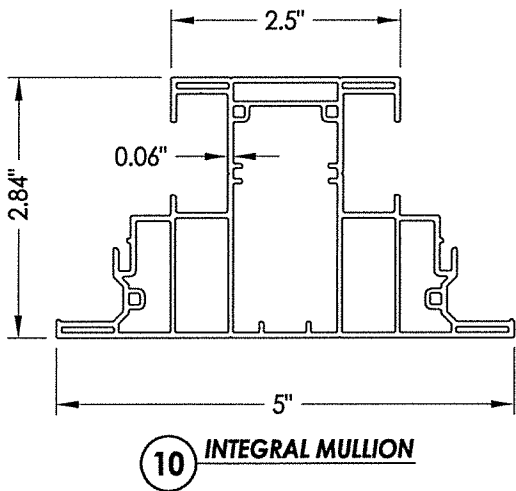
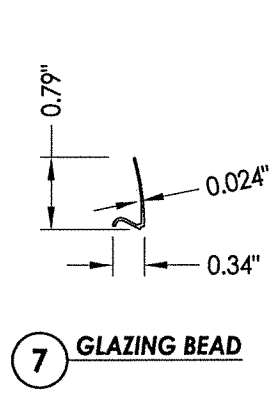
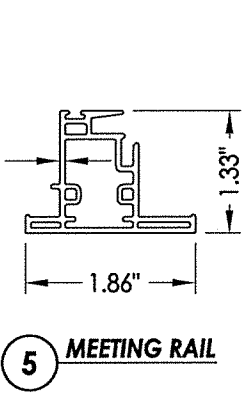
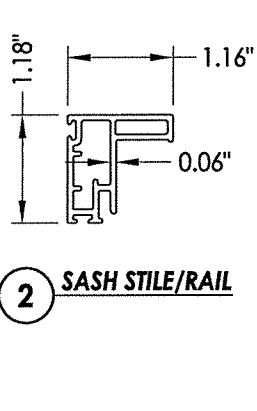
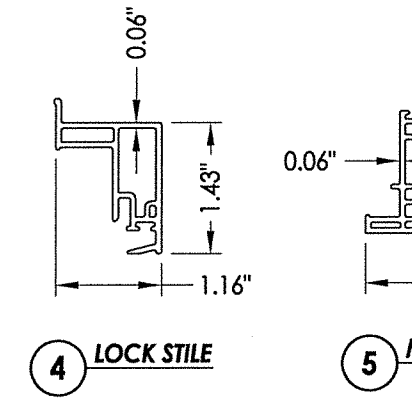
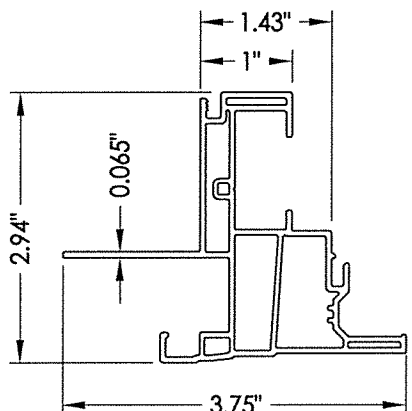
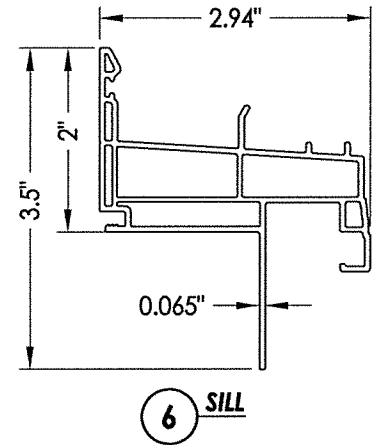
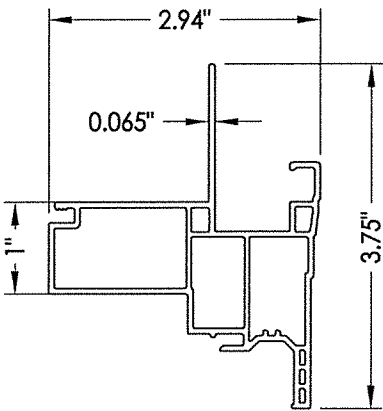
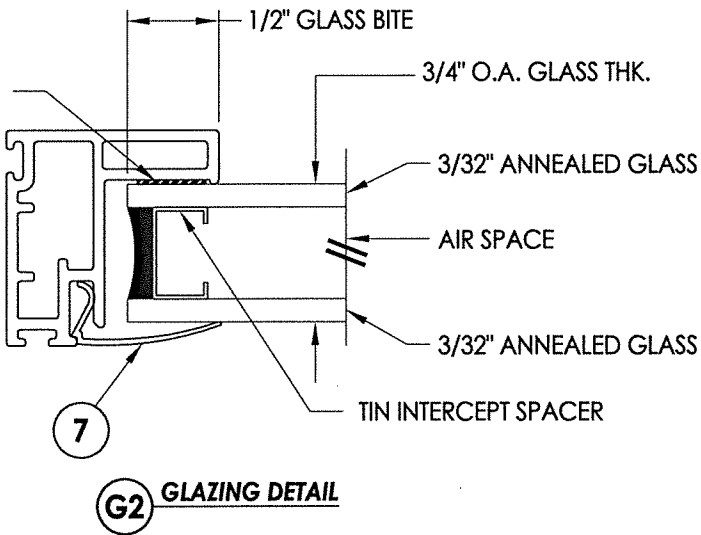
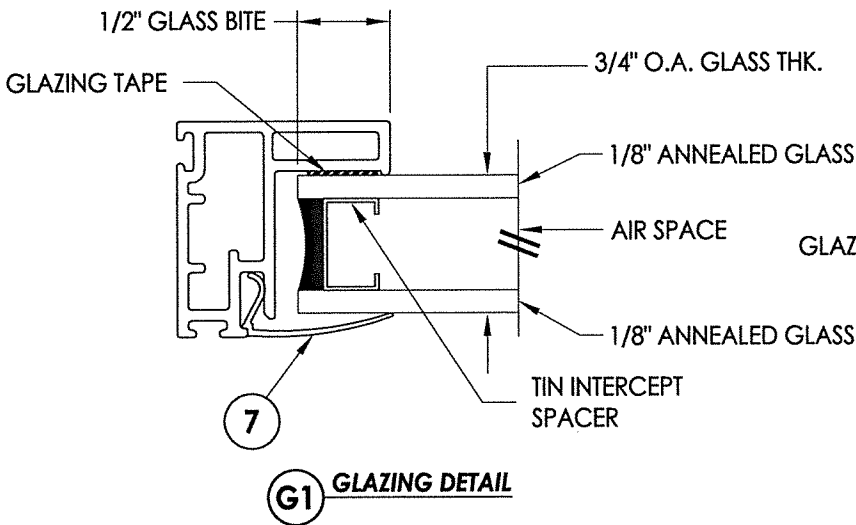


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|                         |         |                              |     |
|-------------------------|---------|------------------------------|-----|
| PRODUCT:                |         | SINGLE HUNG WINDOW           |     |
| PART OR ASSEMBLY:       |         | FRAME ANCHORING              |     |
| NO.                     | DATE    | UPDATE TO 7TH ED. (2020) FBC | LFS |
|                         |         |                              | BY  |
| 1                       | 9/30/20 |                              |     |
| REVISIONS               |         |                              |     |
| DATE: 6/04/18           |         |                              |     |
| SCALE: N.T.S.           |         |                              |     |
| DWG. BY: JK             |         |                              |     |
| CHK. BY: LFS            |         |                              |     |
| DRAWING NO.: FL-26514.8 |         |                              |     |
| SHEET 5 OF 6            |         |                              |     |

| BILL OF MATERIALS |                                                                                                |           |
|-------------------|------------------------------------------------------------------------------------------------|-----------|
| ITEM #            | DESCRIPTION                                                                                    | MATERIAL  |
| A                 | 2X FRAMING (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 DeWALT 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 (1-3/4" MIN. EMBEDMENT)                                                        | STEEL     |
| H                 | #8 X 2-1/2" PPH SMS (1-3/4" MIN. EMBEDMENT)                                                    | STEEL     |
| K                 | #10 PPH SELF-DRILLING SMS                                                                      | STEEL     |
| X                 | STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)                    | STEEL     |
| 1                 | EXTRUDED VINYL FRAME HEAD*                                                                     | RIGID PVC |
| 2                 | EXTRUDED VINYL SASH STILE/RAIL*                                                                | RIGID PVC |
| 3                 | EXTRUDED VINYL FRAME JAMB*                                                                     | RIGID PVC |
| 4                 | EXTRUDED VINYL LOCK STILE*                                                                     | RIGID PVC |
| 5                 | EXTRUDED VINYL MEETING RAIL*                                                                   | RIGID PVC |
| 6                 | EXTRUDED VINYL SILL*                                                                           | RIGID PVC |
| 7                 | EXTRUDED VINYL GLAZING BEAD*                                                                   | RIGID PVC |
| 8                 | WEATHERSTRIP (FIN PILE)                                                                        | -         |
| 10                | INTEGRAL MULLION*                                                                              | RIGID PVC |
| 11                | MULLION REINFORCEMENT (S-048) (6005A-T5)                                                       | ALUM      |
| 14                | SASH / STILE & RAIL REINFORCEMENT (S-047) (6063-T5)                                            | ALUM      |
| 15                | MEETING RAIL REINFORCEMENT (S-065) (6063-T5)                                                   | ALUM      |
| 20                | CAM LOCK                                                                                       | -         |

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



September 30, 2020  
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|                   |  |                                                 |      |
|-------------------|--|-------------------------------------------------|------|
| PRODUCT:          |  | SINGLE HUNG WINDOW                              |      |
| PART OR ASSEMBLY: |  | BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS |      |
| DATE:             |  | 6/04/18                                         |      |
| SCALE:            |  | N.T.S.                                          |      |
| DWG. BY:          |  | JK                                              |      |
| CHK. BY:          |  | LFS                                             |      |
| DRAWING NO.:      |  | FL-26514.8                                      |      |
| SHEET             |  | 6                                               | OF 6 |