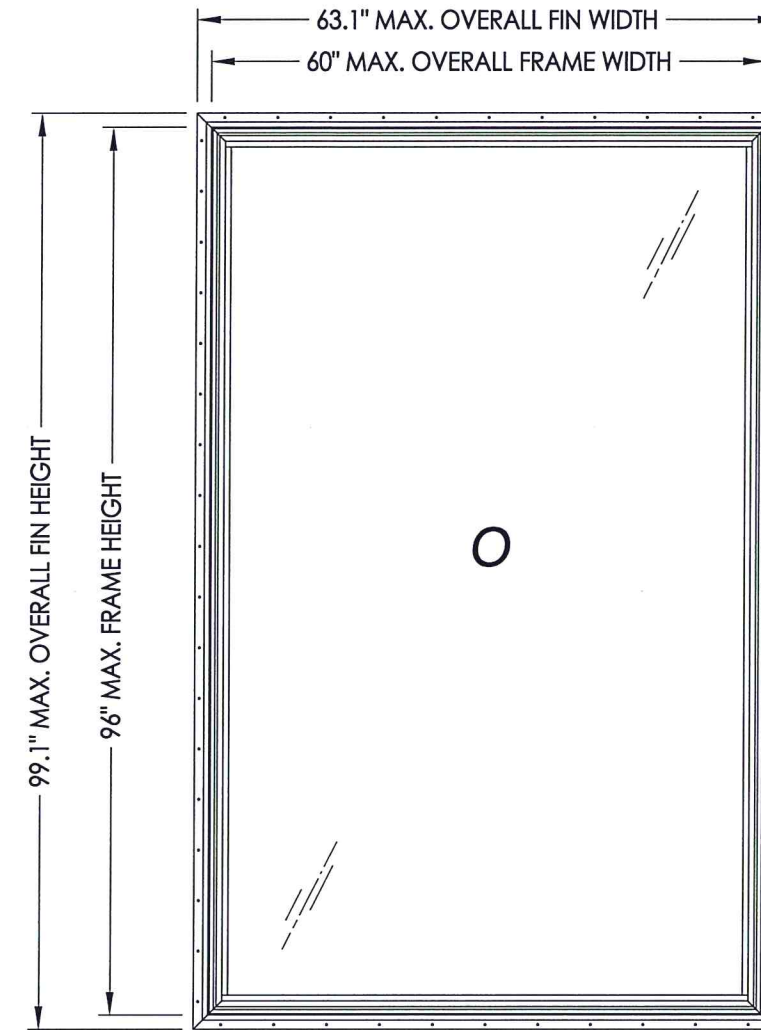




1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

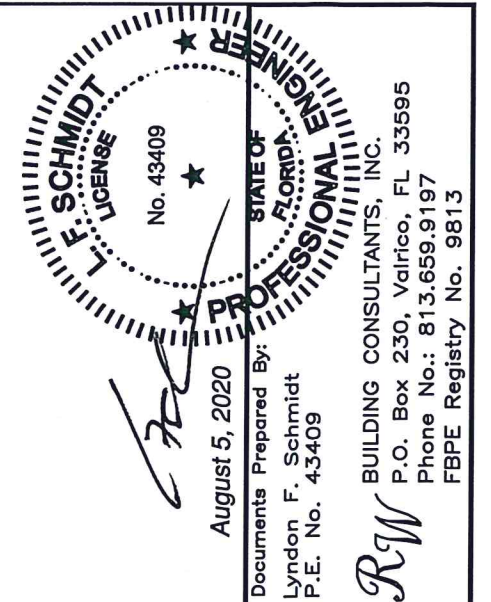
| TABLE OF CONTENTS |                                                      |
|-------------------|------------------------------------------------------|
| SHEET#            | DESCRIPTION                                          |
| 1                 | Typical elevations, design pressures & general notes |
| 2                 | Horizontal cross sections                            |
| 3                 | Buck anchoring                                       |
| 4                 | Frame anchoring                                      |
| 5                 | Bill of materials, components & glazing details      |

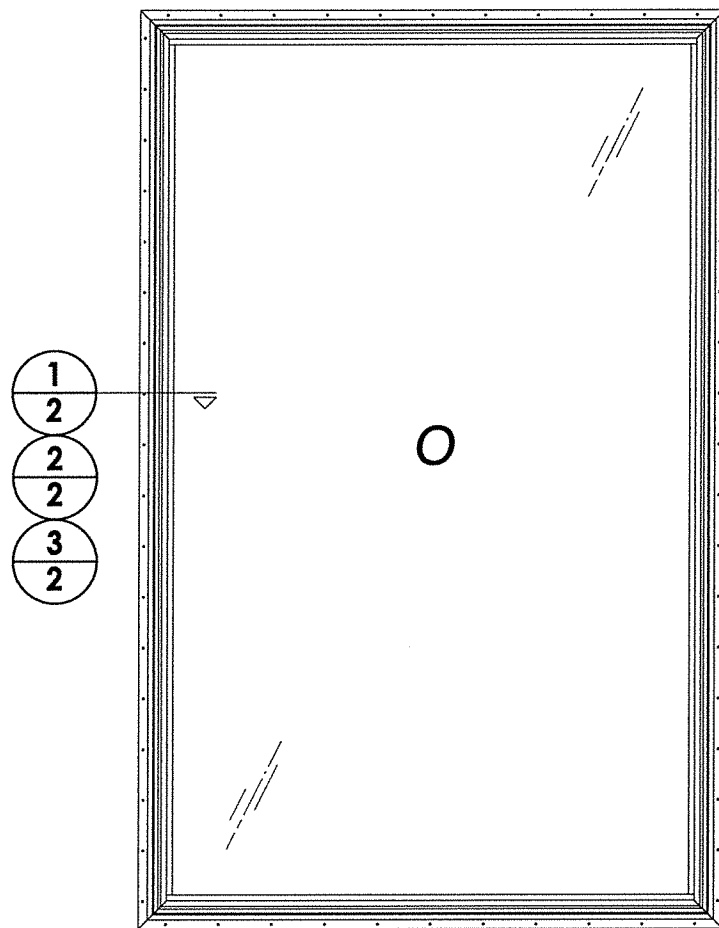


60" x 96" Frame Shown

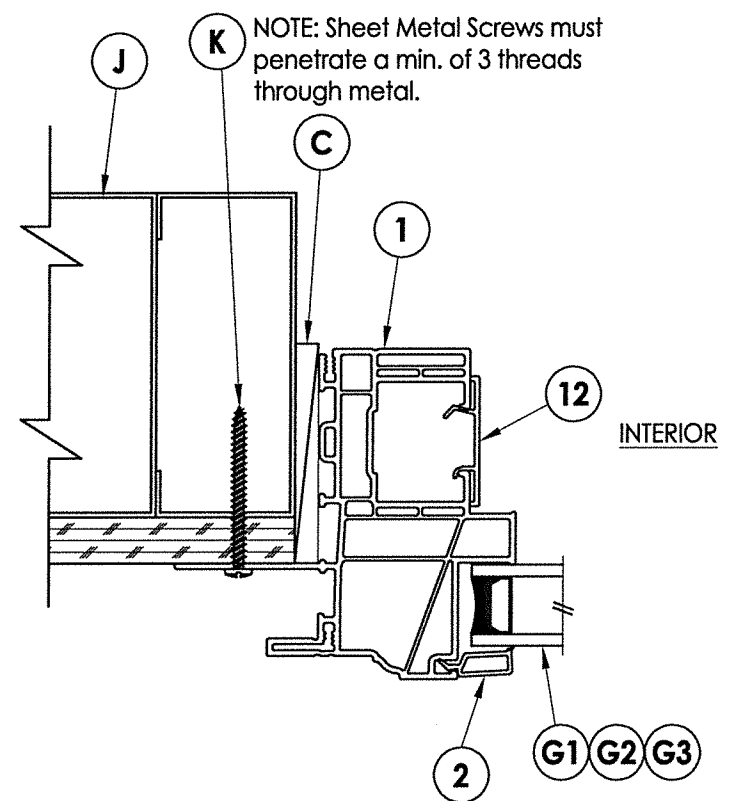
NOTE: VERTICAL ORIENTATION SHOWN (HORIZONTAL ORIENTATION ALSO APPROVED)

| MAX. OVERALL<br>FIN<br>DIMENSION | MAX. OVERALL<br>FRAME<br>DIMENSION | MAX<br>DAY LITE<br>DIMENSION | GLASS<br>TYPE | DESIGN PRESSURE<br>(PSF) |        |
|----------------------------------|------------------------------------|------------------------------|---------------|--------------------------|--------|
|                                  |                                    |                              |               | POS.                     | NEG.   |
| 51.1" X 51.1"                    | 48.0" X 48.0"                      | 43.75" X 43.75"              | G1            | +100.0                   | -100.0 |
| 63.1" X 44.1"                    | 60.0" X 41.0"                      | 55.75" X 36.75"              | G1            | +100.0                   | -100.0 |
| 75.1" X 75.1"                    | 72.0" X 72.0"                      | 67.75" X 67.75"              | G2            | +85.0                    | -85.0  |
| 63.1" X 99.1"                    | 60.0" X 96.0"                      | 55.75" X 91.75"              | G3            | +80.0                    | -80.0  |

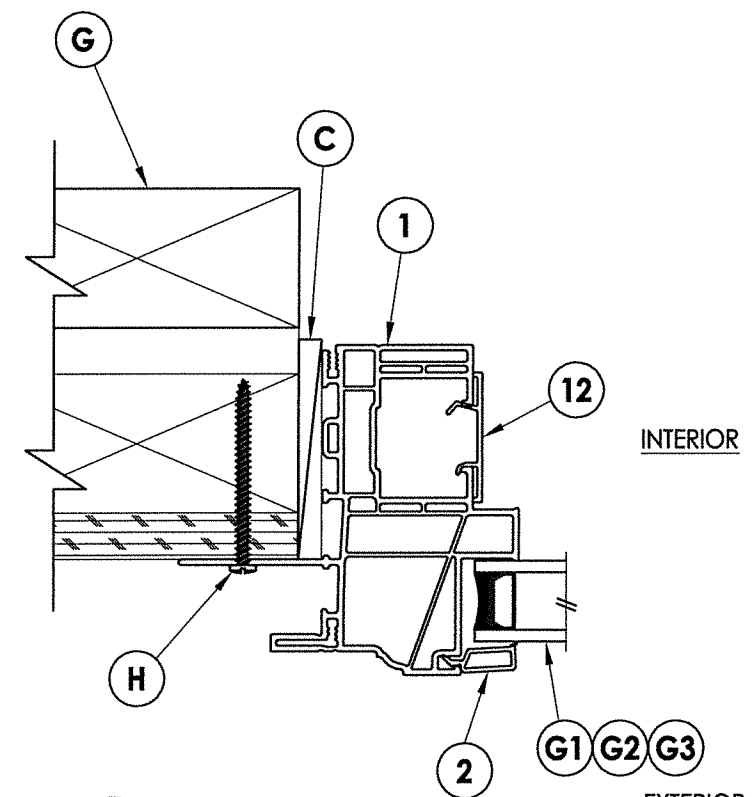
[illegible]



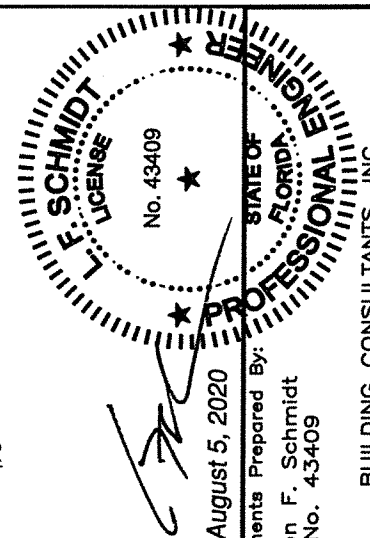
- 1 **HORIZONTAL CROSS SECTION**
- 2 2X Buck Masonry Construction



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



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

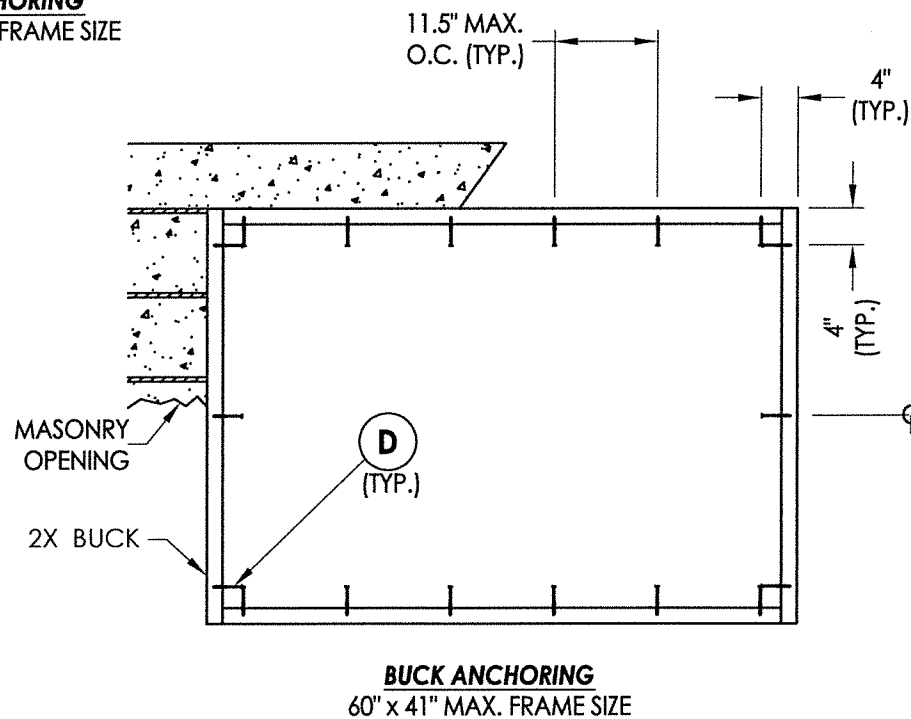
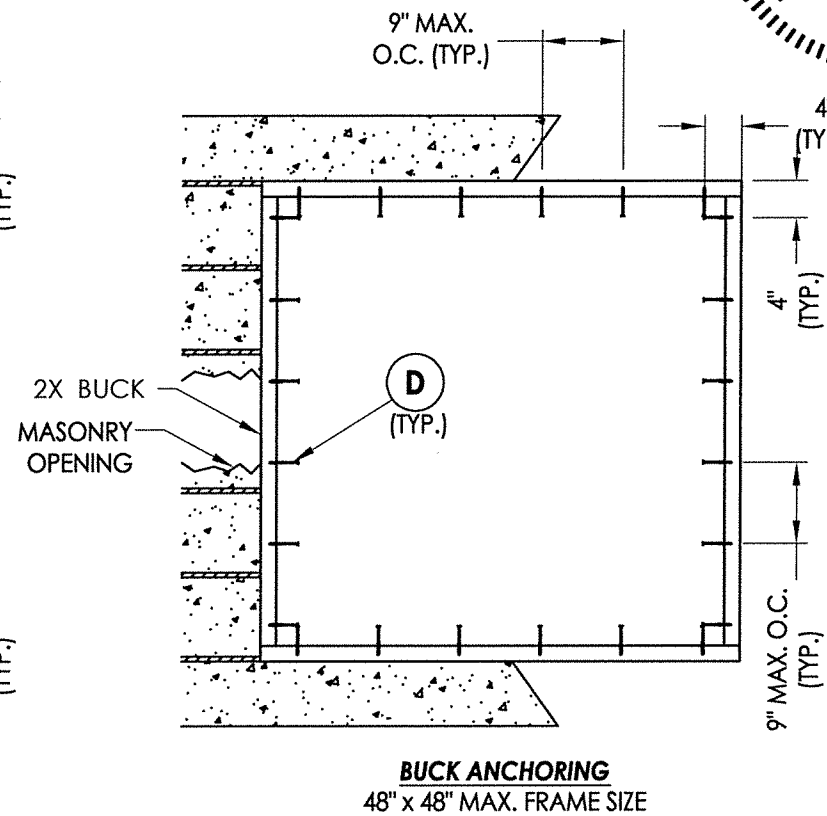
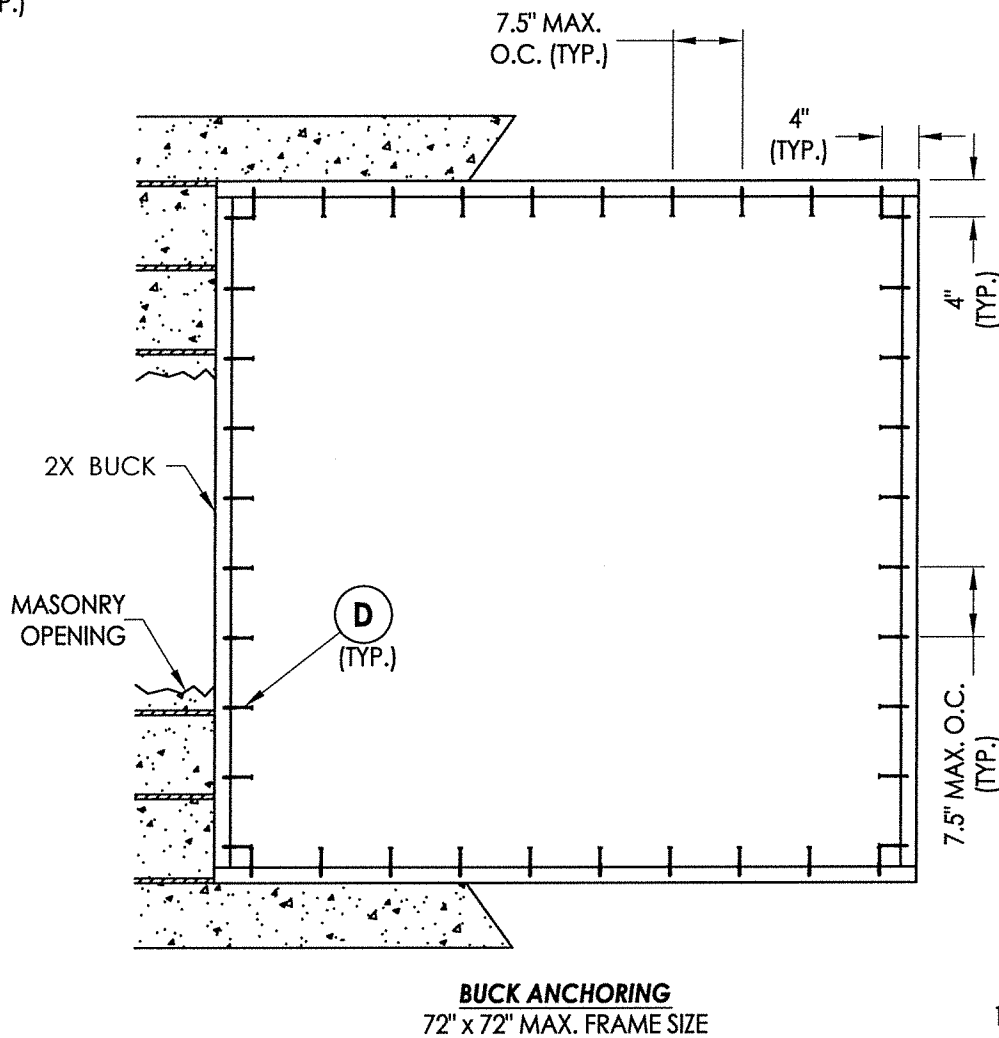
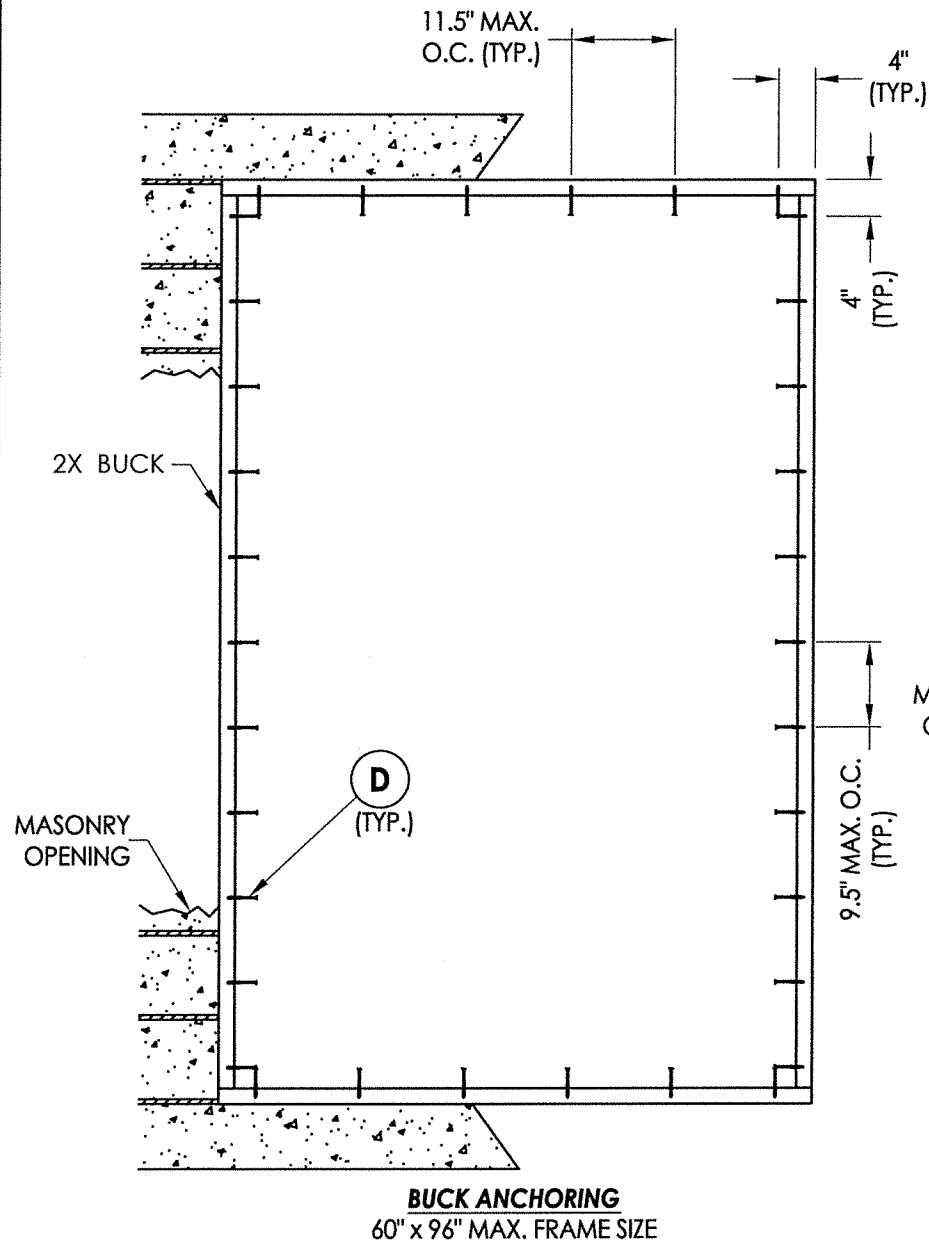


August 5, 2020

***R<sup>qW</sup>*** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

|                          |  |                           |  |
|--------------------------|--|---------------------------|--|
| DATE: 6/26/15            |  | PRODUCT: Doers            |  |
| SCALE: N.T.S.            |  | PART OR ASSEMBLY:         |  |
| DWG. BY: JK              |  | HORIZONTAL CROSS SECTIONS |  |
| CHK. BY: LFS             |  |                           |  |
| DRAWING NO.: FL-15099.13 |  |                           |  |
| SHEET 2 OF 5             |  |                           |  |

\\dc01\wbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15099 Windows - Fixed\C - Drawings\FL-15099 (2020)\FL-15099.13.dwg



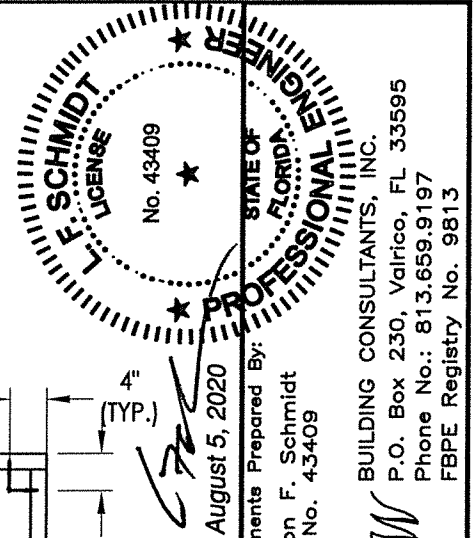
**CONCRETE ANCHOR NOTES:**

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.

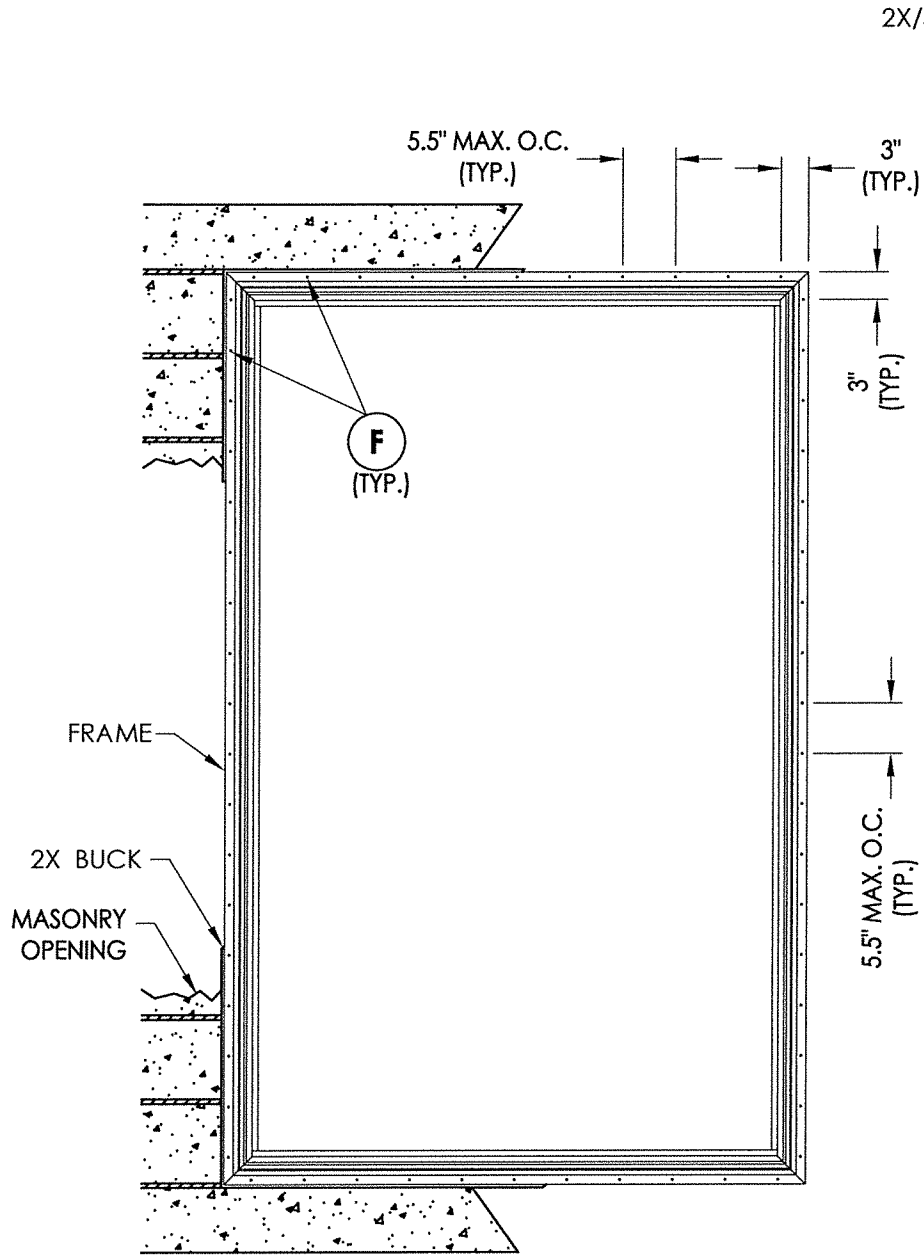


Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

August 5, 2020

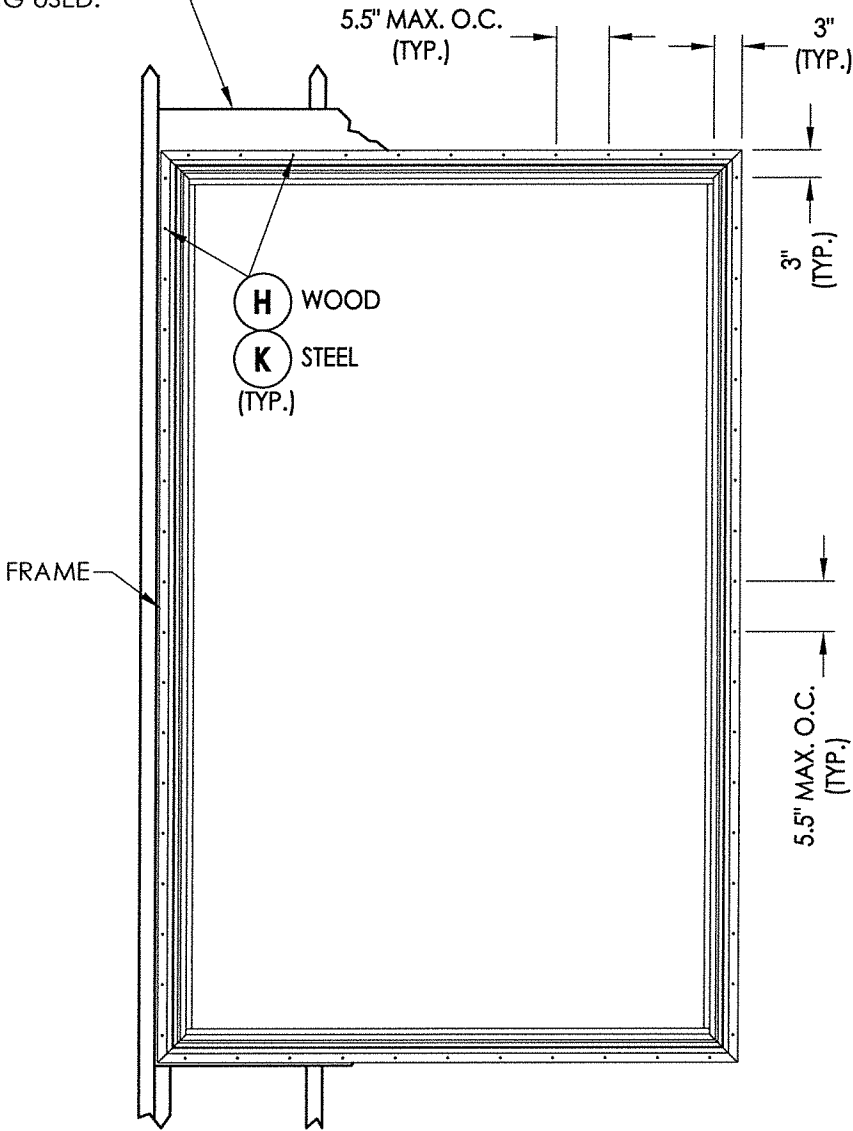
**BUILDING CONSULTANTS, INC.**  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

| PRODUCT:                 |         | PART OR ASSEMBLY: |                              |
|--------------------------|---------|-------------------|------------------------------|
| Doors                    |         | BUCK ANCHORING    |                              |
| NO.                      | DATE    | BY                | REVISIONS                    |
| 2                        | 8/04/20 | DAC               | UPDATE TO 7TH ED. (2020) FBC |
| 1                        | 9/22/17 | JK                | UPDATE TO 6TH ED. (2017) FBC |
| DATE: 6/26/15            |         |                   |                              |
| SCALE: N.T.S.            |         |                   |                              |
| DWG. BY: JK              |         |                   |                              |
| CHK. BY: LFS             |         |                   |                              |
| DRAWING NO.: FL-15099.13 |         |                   |                              |
| SHEET 3 OF 5             |         |                   |                              |



**FRAME ANCHORING**  
2X Buck Masonry  
Construction

2X/STEEL STUD FRAMING TO BE DESIGNED  
BY THE ENGINEER OR ARCHITECT  
OF RECORD BASED ON WIND LOADS  
AND THE CLADDING BEING USED.



**FRAME ANCHORING**  
Stud Construction

**E. SCHMIDT**  
LICENSE  
No. 43409  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

August 5, 2020

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

**R.W.** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Vairico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

|                |         |                                   |                          |
|----------------|---------|-----------------------------------|--------------------------|
| PRODUCT: Doers |         | PART OR ASSEMBLY: FRAME ANCHORING |                          |
| NO.            | DATE    | BY                                | REVISIONS                |
| 2              | 8/04/20 | DAC                               | UPDATE TO 7TH ED. (2020) |
| 1              | 9/22/17 | JK                                | UPDATE TO 6TH ED. (2017) |

DATE: 6/26/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15099.13

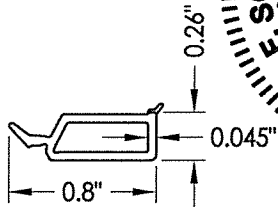
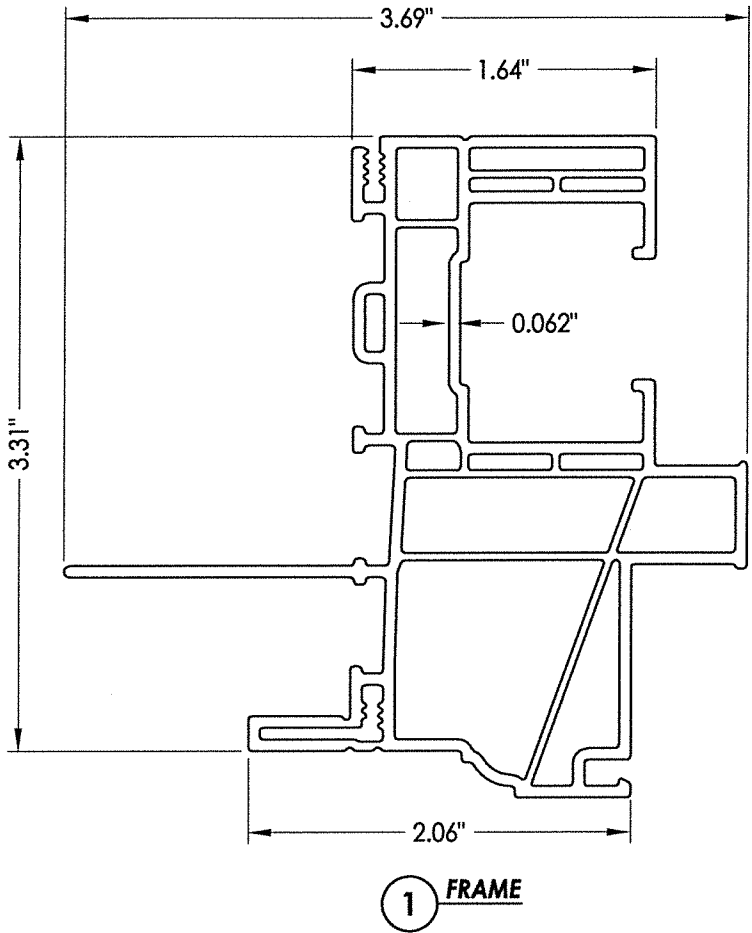
SHEET 4 OF 5

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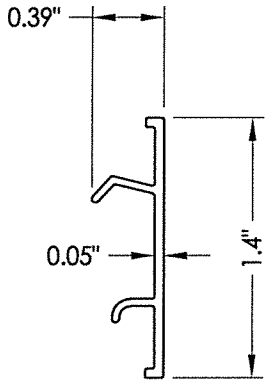
\\dc01\wbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15099 Windows - Fixed\C - Drawings\FL-15099 (2020)\FL-15099.13.dwg

| BILL OF MATERIALS |                                                                                                |           |
|-------------------|------------------------------------------------------------------------------------------------|-----------|
| ITEM #            | DESCRIPTION                                                                                    | MATERIAL  |
| 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                 | #6 X 1-1/4" PPH SMS (1-1/8" MIN. EMBEDMENT)                                                    | STEEL     |
| G                 | 2X STUD (SG >= 0.42)                                                                           | WOOD      |
| H                 | #6 X 2" PPH SMS (1-1/8" 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 (437)*                                                                    | RIGID PVC |
| 2                 | EXTRUDED VINYL GLAZING BEAD (736A)*                                                            | RIGID PVC |
| 12                | FRAME ADAPTER                                                                                  | RIGID PVC |

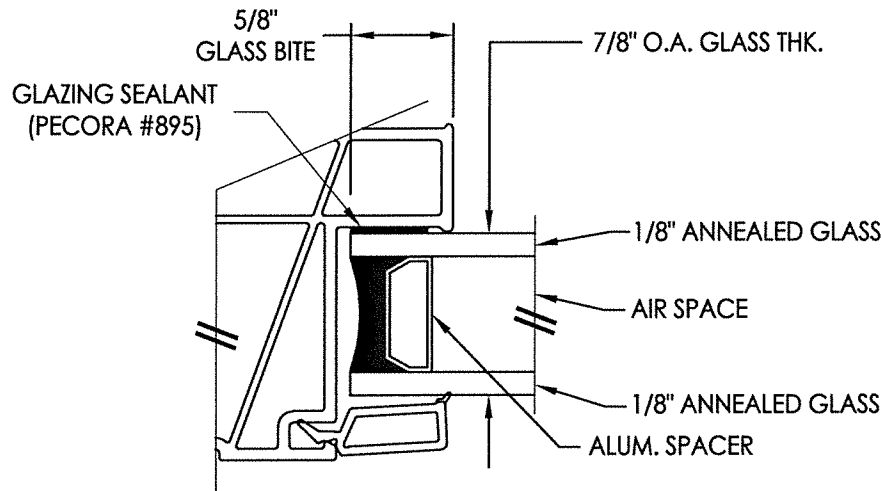
\* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



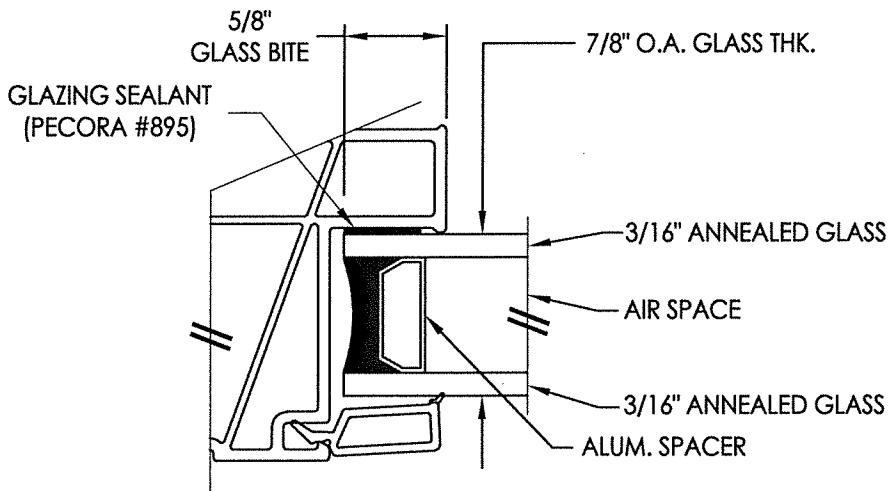
2 GLAZING BEAD



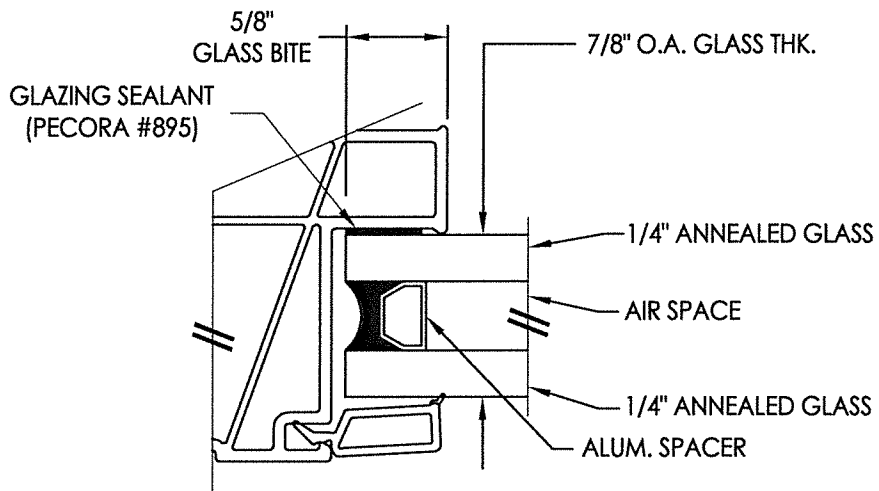
12 FRAME ADAPTER



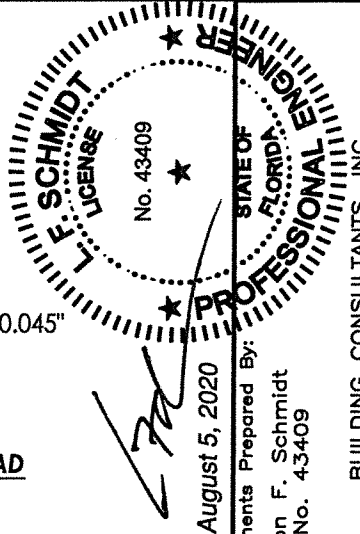
G1 GLAZING DETAIL



G2 GLAZING DETAIL



G3 GLAZING DETAIL



Documents Prepared By:  
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P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: Doers  
PART OR ASSEMBLY:  
BILL OF MATERIALS, COMPONENTS  
& GLAZING DETAILS

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 2   | 8/04/20 | UPDATE TO 7TH ED. (2020) FBC |
| 1   | 9/22/17 | UPDATE TO 6TH ED. (2017) FBC |

DATE: 6/26/15  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-15099.13  
SHEET 5 OF 5