

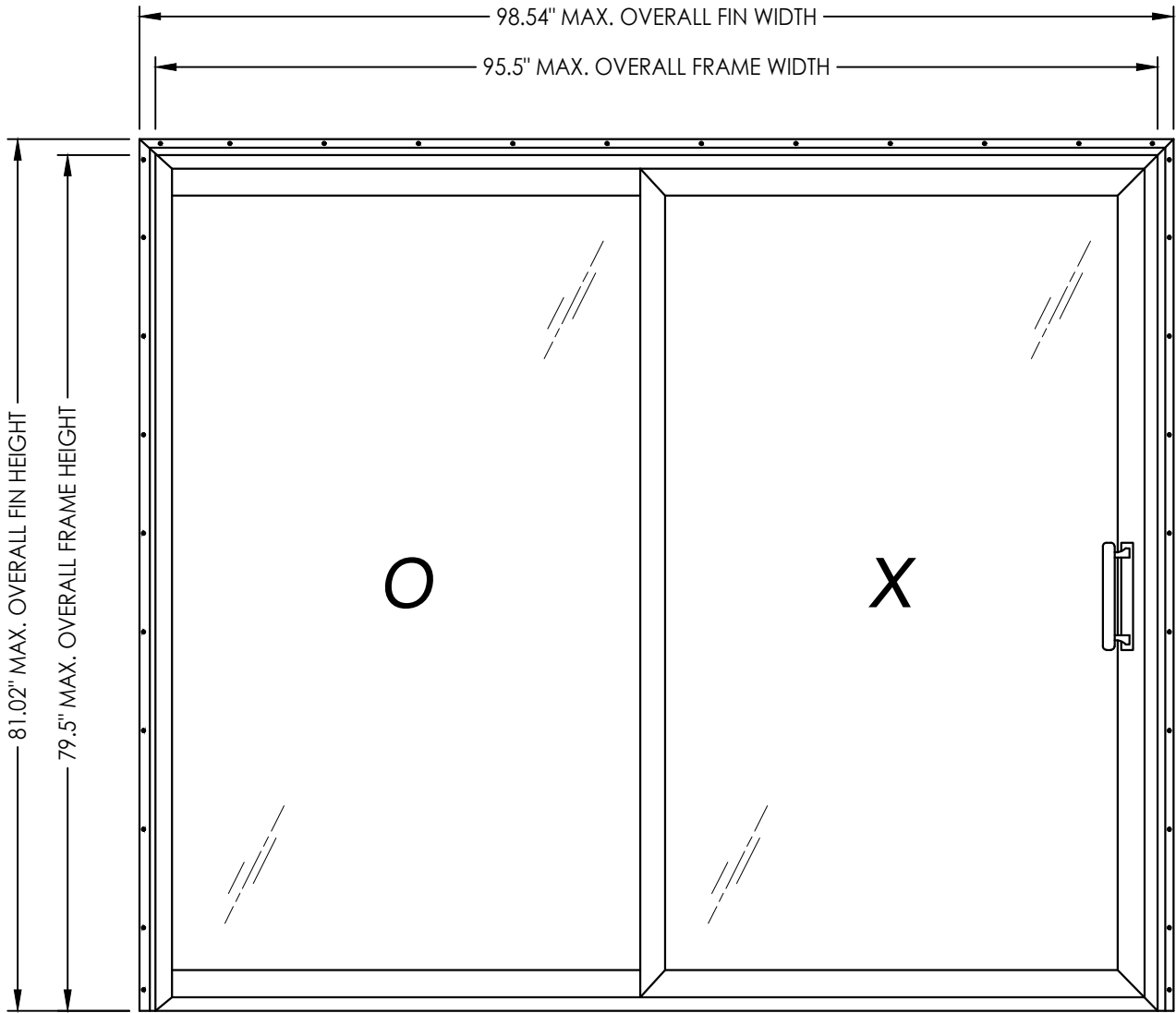
MODEL 11"i"5/11"i"6/11"i"8

EXTRUDED VINYL  
SLIDING PATIO DOORS  
w/ NAILING FIN  
"IMPACT"

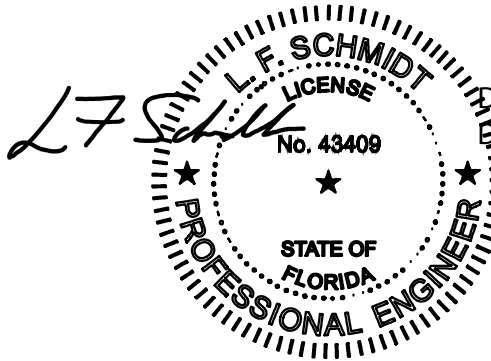
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and excludes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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 elevation, design pressures & general notes |
| 2                 | Horizontal and vertical cross sections              |
| 3                 | Horizontal and vertical cross sections              |
| 4                 | Buck and frame anchoring                            |
| 5                 | Bill of materials, glazing details & components     |



| OVERALL<br>FIN<br>DIMENSION | OVERALL<br>FRAME<br>DIMENSION | MAX.<br>PANEL<br>DIMENSION | MAX.<br>D.L.O.<br>DIMENSION | GLASS<br>TYPE | DESIGN PRESSURE (PSF) |          |
|-----------------------------|-------------------------------|----------------------------|-----------------------------|---------------|-----------------------|----------|
|                             |                               |                            |                             |               | POSITIVE              | NEGATIVE |
| 98.54" x 81.02"             | 95.5" x 79.5"                 | 48.5" x 76.375"            | 43.75" x 71.625"            | G1            | +50.0                 | -50.0    |



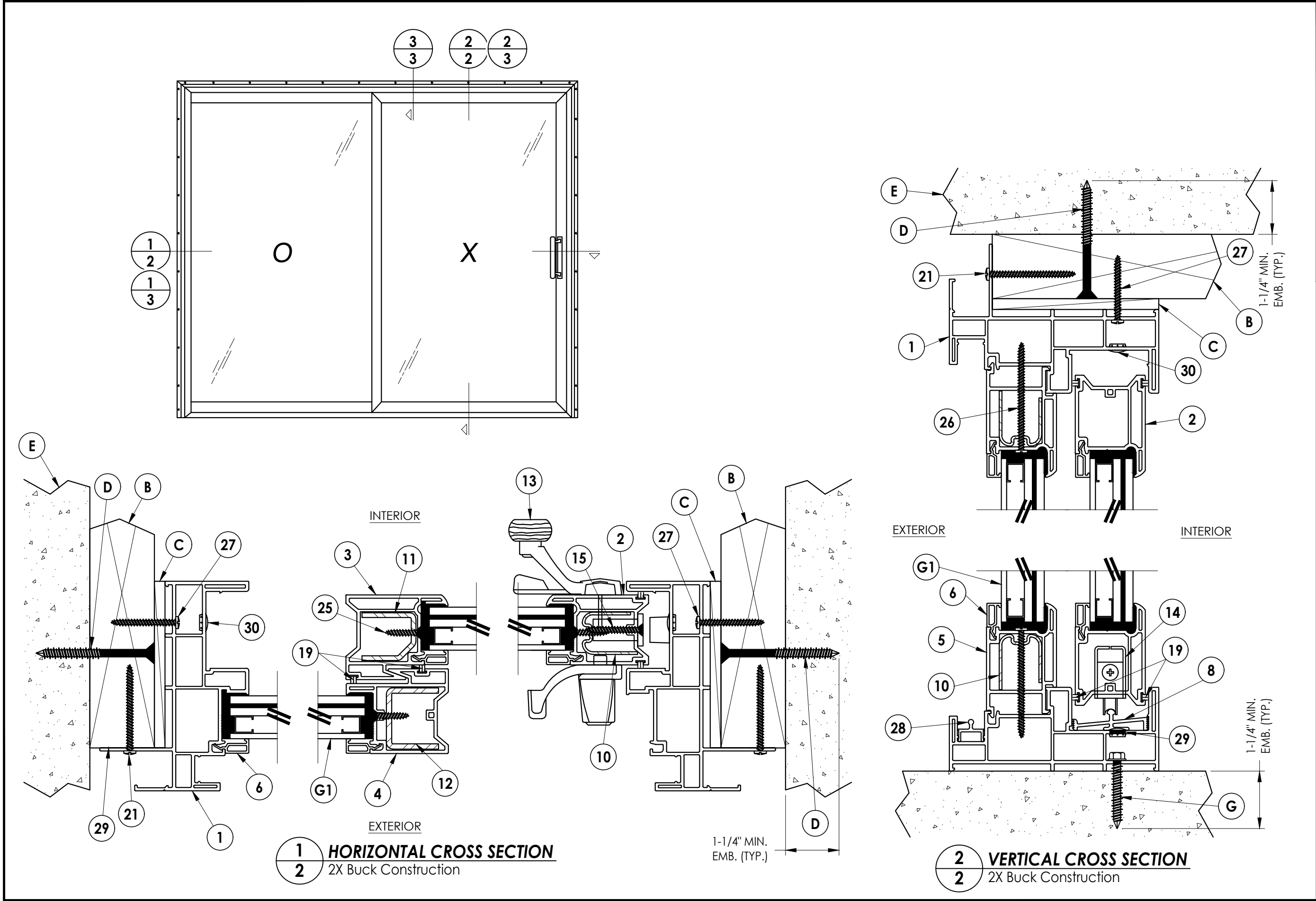
Digitally signed by Lyndon F Schmidt  
Date: 2023.07.31 15:42:33 -04'00'

This item has been digitally signed and sealed by  
L. F. Schmidt, P.E. on the date adjacent to the seal.  
Printed copies of this document are not  
considered signed and sealed and the signature  
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID  
ONLY FOR THE STATE OF FLORIDA

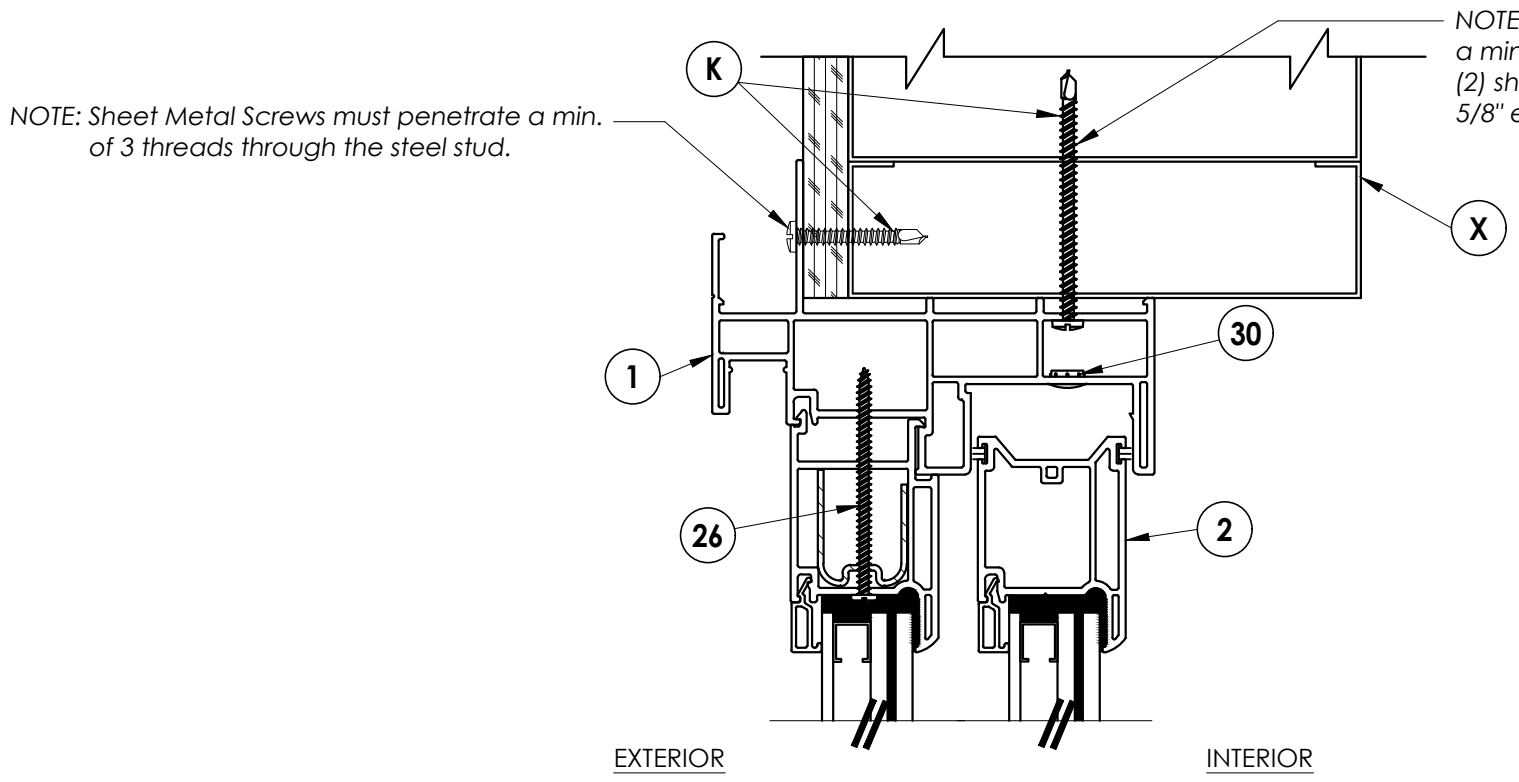
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| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |  |  |  | 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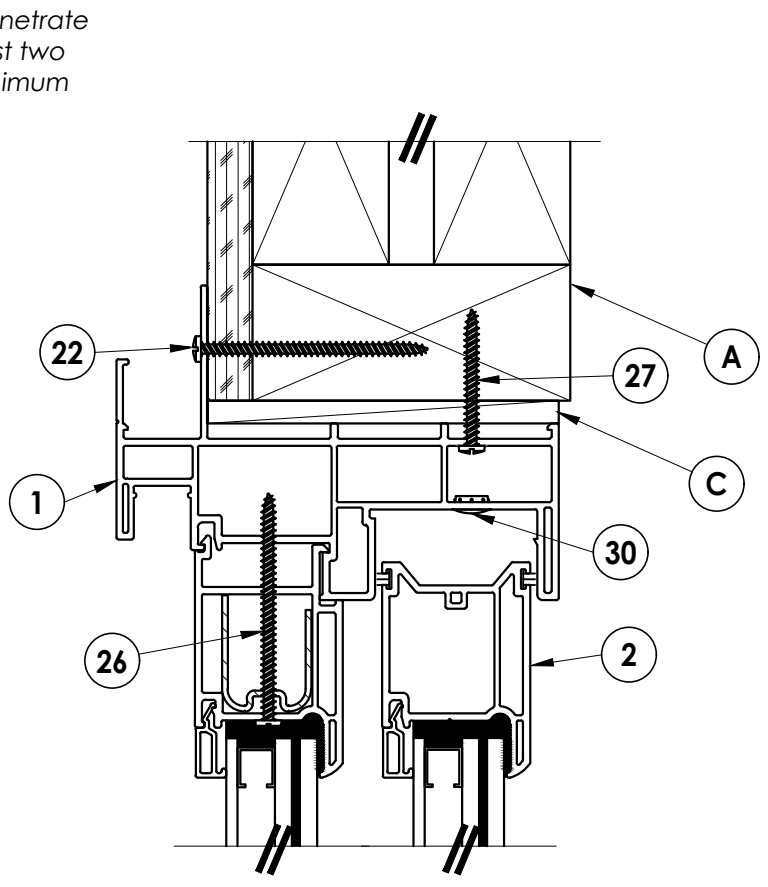


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|---------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------|----|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |      | BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |    |
| PRODUCT:<br>EXTRUDED VINYL<br>SLIDING PATIO DOORS             |      | PART OR ASSEMBLY:<br>HORIZONTAL & VERTICAL<br>CROSS SECTIONS                                                       |    |
| LFS                                                           | FBC  | REVISIONS                                                                                                          | BY |
| DAC                                                           | FBC  |                                                                                                                    |    |
| LFS                                                           | FBC  |                                                                                                                    |    |
| LFS                                                           | FBC  |                                                                                                                    |    |
| JK                                                            | FBC  |                                                                                                                    |    |
| JK                                                            | FBC  |                                                                                                                    |    |
| NO.                                                           | DATE |                                                                                                                    |    |
| DATE: 3/11/09                                                 |      |                                                                                                                    |    |
| SCALE: N.T.S.                                                 |      |                                                                                                                    |    |
| DWG. BY: AL                                                   |      |                                                                                                                    |    |
| CHK. BY: LFS                                                  |      |                                                                                                                    |    |
| DRAWING NO.: FL-12323.19                                      |      |                                                                                                                    |    |
| SHEET 2 OF 5                                                  |      |                                                                                                                    |    |

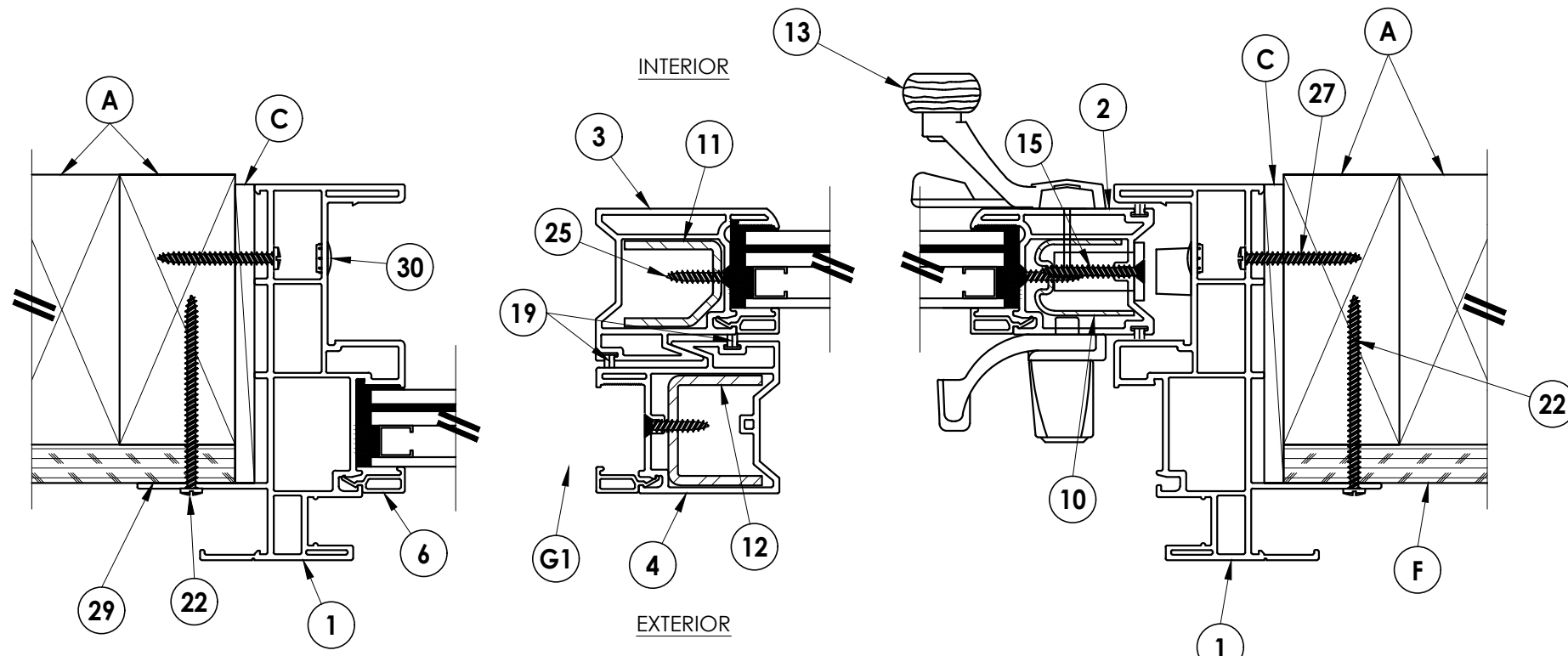
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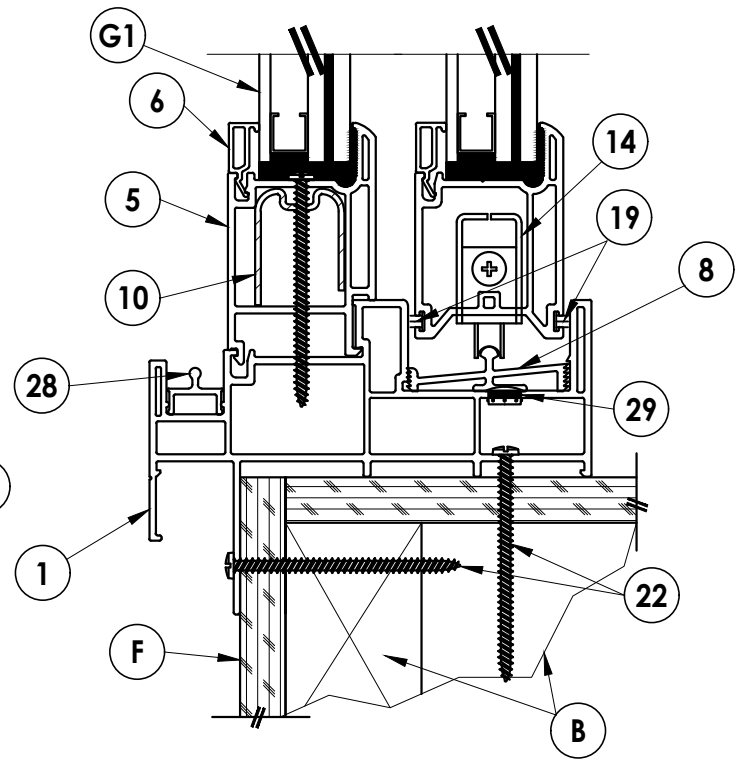
**3** **HORIZONTAL CROSS SECTION**  
Shown w/ Steel Stud framing option



EXTERIOR INTERIOR



**1** **HORIZONTAL CROSS SECTION**  
Shown w/ Stud framing option



**2** **VERTICAL CROSS SECTION**  
(On crawl space)

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 No. 9813

|                   |          |                                         |     |
|-------------------|----------|-----------------------------------------|-----|
| PRODUCT:          |          | EXTRUDED VINYL<br>SLIDING PATIO DOORS   |     |
| PART OR ASSEMBLY: |          | HORIZONTAL & VERTICAL<br>CROSS SECTIONS |     |
| LFS               | 7/31/23  | UPDATE TO 8TH ED. (2023)                | FBC |
| DAC               | 8/20/20  | UPDATE TO 7TH ED. (2020)                | FBC |
| LFS               | 2/15/19  | REVISE FOR NEW TESTING                  | FBC |
| LFS               | 10/02/17 | UPDATE TO 6TH ED. (2017)                | FBC |
| JK                | 1/27/15  | UPDATE TO 5TH ED. (2014)                | FBC |
| JK                | 9/21/11  | UPDATED FOR 2010 FBC                    | FBC |
| NO.               | DATE     | REVISIONS                               |     |

DATE: 3/11/09

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

DRAWING NO.: FL-12323.19

SHEET 3 OF 5

Z:\2023 FBC Drawings\Associated Materials, Inc\FL-12323 R9\FL-12323.18-19.dwg

\* INSTALL 2 SCREWS THROUGH KEEPER INTO SUBSTRATE AS FOLLOWS:  
WOOD : #10 PH SMS (1.5" MIN. EMBEDMENT)  
STEEL: #10 PH SMS (3 THREADS MIN. THROUGH STEEL)  
CONCRETE: 3/16" Ø DeWALT ULTRAICON+ (1.25" MIN. EMBEDMENT)

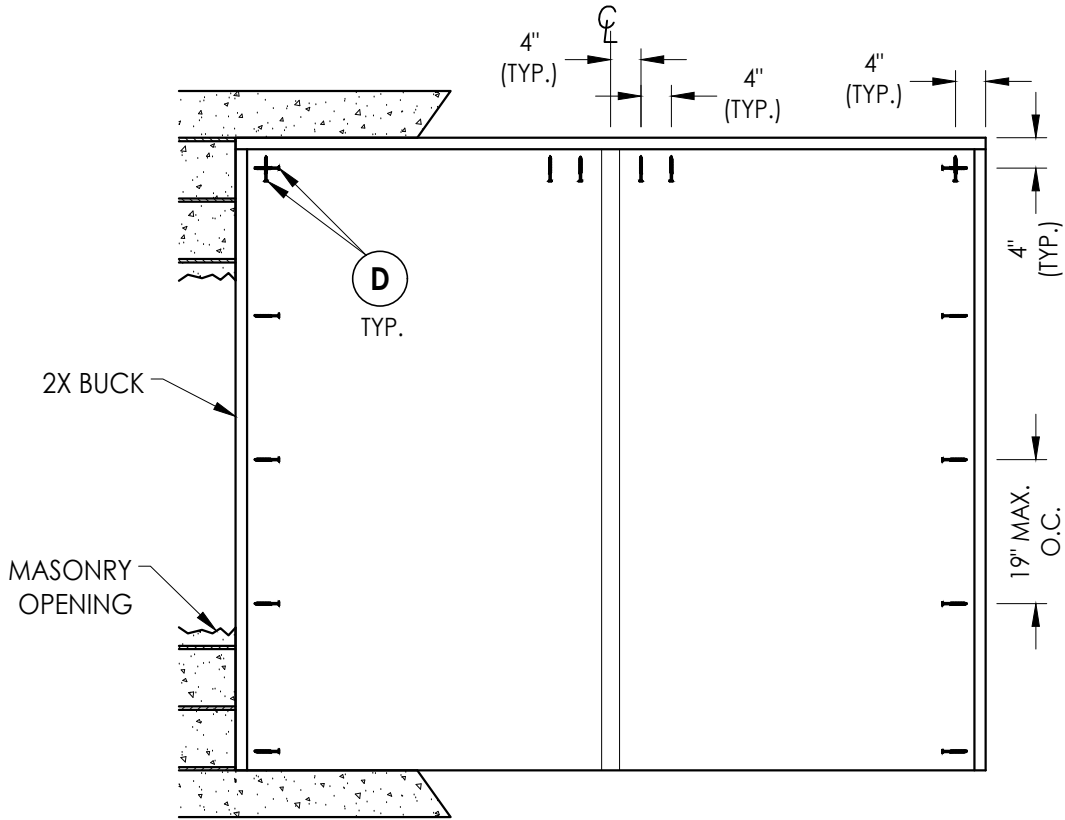
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- Concrete anchor table:

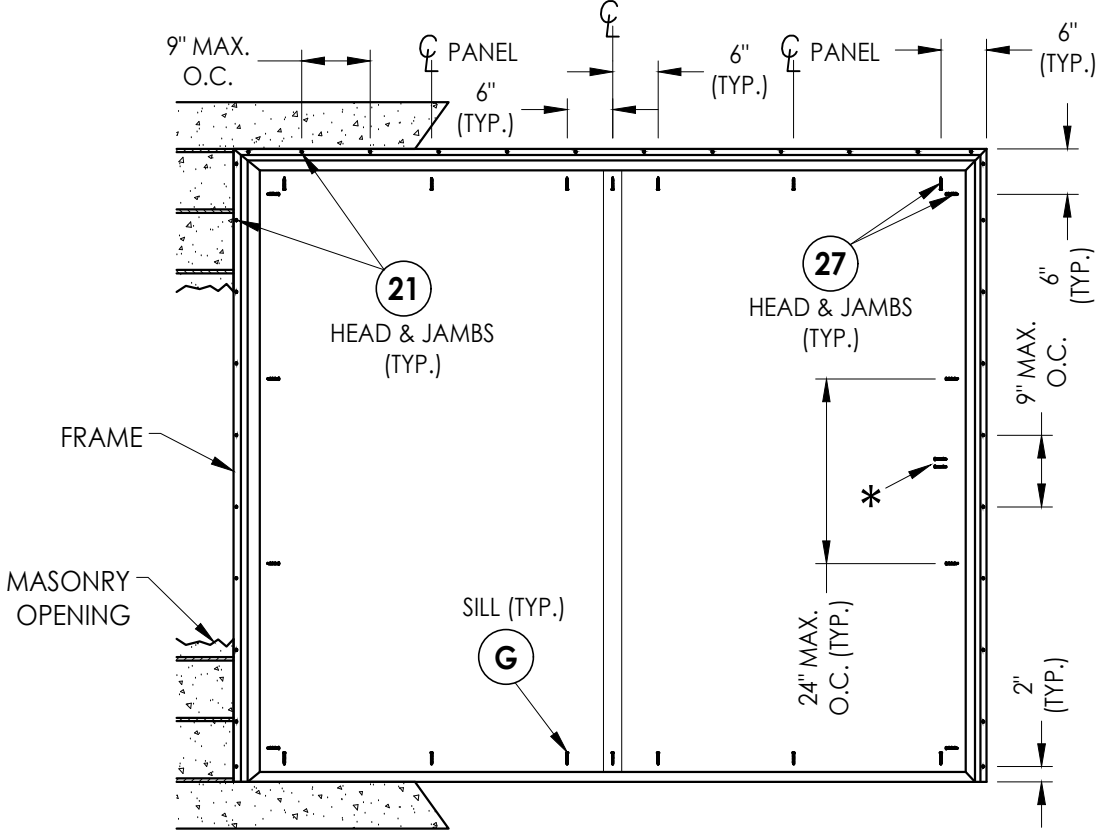
| ANCHOR TYPE       | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|-------------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW TAPCON®       | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| DeWALT ULTRAICON® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |
| DeWALT ULTRAICON+ | 3/16"       | 1-1/4"         | 2-1/2"                         | 1-1/8"                            |

WOOD SCREW INSTALLATION NOTES:

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

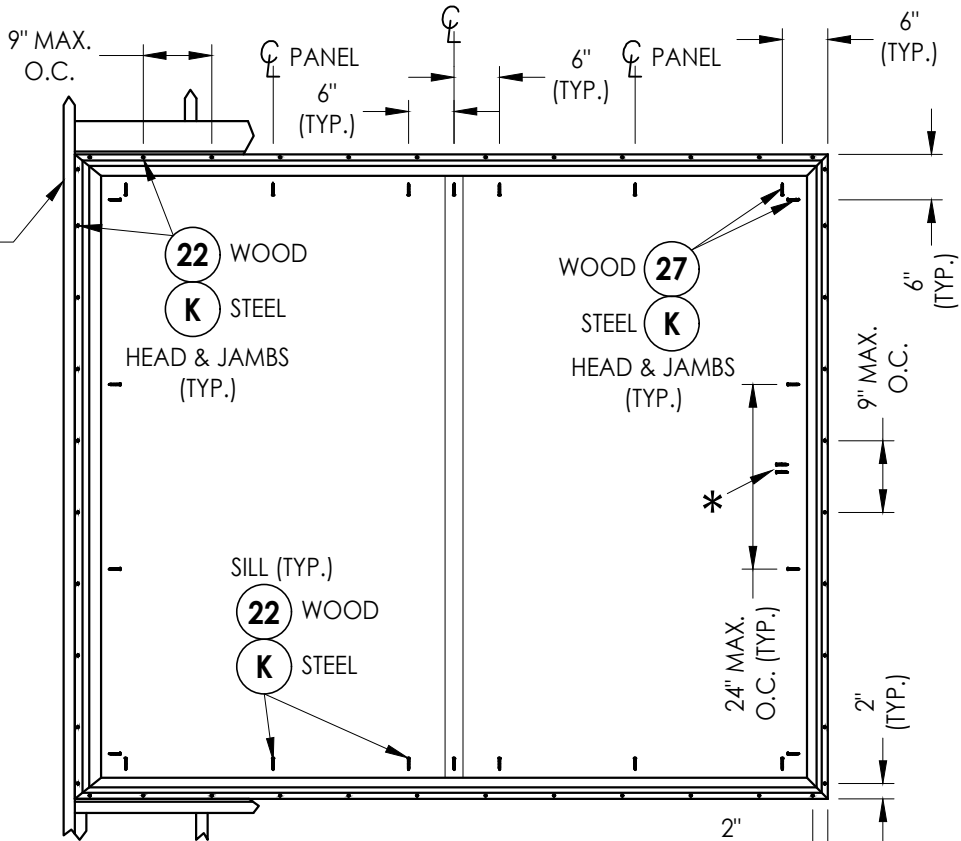


BUCK ANCHORING



FRAME ANCHORING  
2X BUCK

2X FRAMING TO BE DESIGNED BY THE  
ENGINEER OR ARCHITECT OF RECORD



FRAME ANCHORING  
(2X Stud, Steel Stud)

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 No. 9813

PRODUCT:  
EXTRUDED VINYL  
SLIDING PATIO DOORS

PART OR ASSEMBLY:  
BUCK & FRAME  
ANCHORING

| LFS       | DAC      | LFS                      | LFS | JK | JK | BY |
|-----------|----------|--------------------------|-----|----|----|----|
| 6         | 7/31/23  | UPDATE TO 8TH ED. (2023) | FBC |    |    |    |
| 5         | 8/20/20  | UPDATE TO 7TH ED. (2020) | FBC |    |    |    |
| 4         | 2/15/19  | REVISE FOR NEW TESTING   |     |    |    |    |
| 3         | 10/02/17 | UPDATE TO 6TH ED. (2017) | FBC |    |    |    |
| 2         | 1/27/15  | UPDATE TO 5TH ED. (2014) | FBC |    |    |    |
| 1         | 9/21/11  | UPDATED FOR 2010 FBC     |     |    |    |    |
| NO.       | DATE     |                          |     |    |    |    |
| REVISIONS |          |                          |     |    |    |    |

DATE: 3/11/09

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

DRAWING NO.:

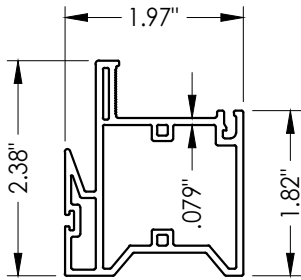
FL-12323.19

SHEET 4 OF 5

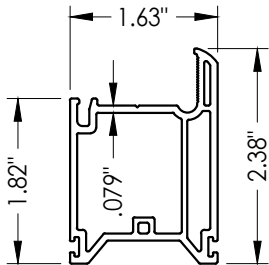
Z:\2023 FBC Drawings\Associated Materials, Inc\FL-12323 R9\FL-12323.18-19.dwg

| 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                 | SHEATHING                                                                                      | WOOD        |
| G                 | 1/4" X 1-3/4" HWH DeWALT OR ITW CONCRETE SCREW                                                 | 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 HEAD / SILL & JAMB / FRAME (#PD1201)                                            | * RIGID PVC |
| 2                 | EXTRUDED VINYL STILE / RAIL SASH (#PD25)                                                       | * RIGID PVC |
| 3                 | EXTRUDED VINYL SASH INTERLOCK (#PD24)                                                          | * RIGID PVC |
| 4                 | EXTRUDED VINYL FIXED INTERLOCK (#PD34)                                                         | * RIGID PVC |
| 5                 | EXTRUDED VINYL EQUAL GLASS ADAPTOR (#PD39)                                                     | * RIGID PVC |
| 6                 | EXTRUDED VINYL 1" GLAZING BEAD (#BV22)                                                         | * RIGID PVC |
| 7                 | STEEL GLAZING SPACER                                                                           | -           |
| 8                 | ALUMINUM SILL TRACK (#PD22)                                                                    | ALUMINUM    |
| 10                | JAMB STILE (PD25) REINFORCEMENT ROLL FORMED STEEL (#RFPD03SOM)                                 | STEEL       |
| 11                | SASH INTERLOCK (PD24) REINFORCEMENT ROLL FORMED STEEL (#RFPD24SOM)                             | STEEL       |
| 12                | FIXED INTERLOCK (PD34) REINFORCEMENT ROLL FORMED STEEL (#RFPD34SOM)                            | STEEL       |
| 13                | SLIDING PATIO DOOR HANDLE SET #684 BY SASH CONTROLS                                            | -           |
| 14                | TANDEM ROLLER ASSEMBLY BY ULTRA #64266                                                         | STEEL       |
| 15                | #10 X 1-1/4" PFH (MORTISE LOCK) SCREWS BY SASH CONTROLS                                        | STEEL       |
| 18                | PURFECT GLAZE 34-937A SEALANT BY NATIONAL ADHESIVES                                            | SEALANT     |
| 19                | WEATHERPILE .187" x .270" BY AMESBURY                                                          | -           |
| 21                | #8 X 2" PPH SMSS (1-3/4" MIN. EMBEDMENT)                                                       | STEEL       |
| 22                | #8 X 2-1/2" PPH SMSS (1-3/4" MIN. EMBEDMENT)                                                   | STEEL       |
| 25                | #8 X 3/4" PFH SELF-DRILLING SMS                                                                | STEEL       |
| 26                | #8 X 2-1/2" PPH SMS (EQ. GLS. ADAPTOR) SCREWS BY MERCHANTS                                     | STEEL       |
| 27                | #8 X 1-1/2" PPH SMS ANCHOR SCREWS (1" MIN. EMBEDMENT)                                          | STEEL       |
| 28                | EXTRUDED VINYL SCREEN TRACK (#PDT58)                                                           | * RIGID PVC |
| 29                | SILICONE SEALANT (NOVAFLEX) BY NOVAGUARD                                                       | SILICONE    |
| 30                | HOLE PLUGS BY ASHLAND (I 3034)                                                                 | PLASTIC     |

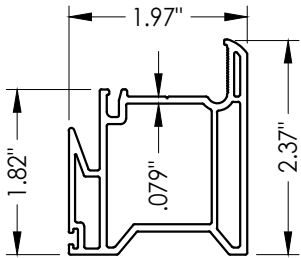
\* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



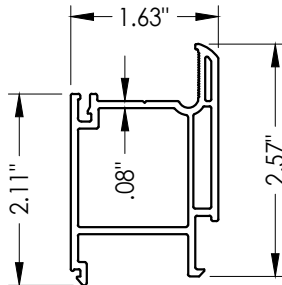
**4** **FIXED INTERLOCK**  
Extruded vinyl



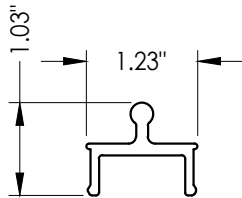
**2** **STILE / RAIL**  
Extruded vinyl



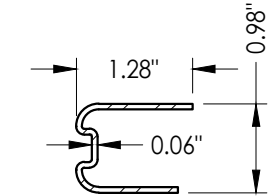
**3** **SASH INTERLOCK**  
Extruded vinyl



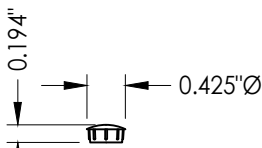
**5** **EQUAL GLASS ADAPTOR**  
Extruded vinyl



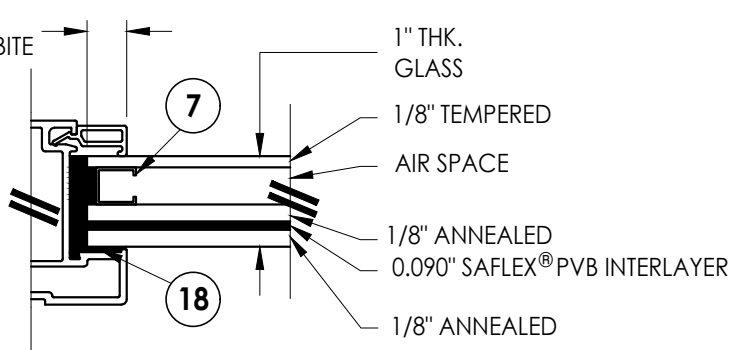
**28** **SCREEN TRACK**  
Extruded vinyl



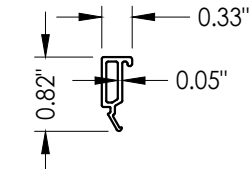
**10** **M JAMB STILE (PD25)**  
Reinforcement  
Roll formed steel



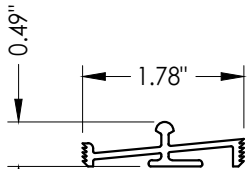
**30** **HOLE PLUG**



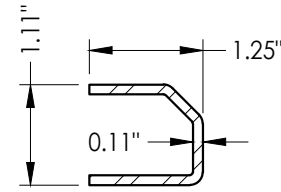
**G1** **GLAZING DETAIL**



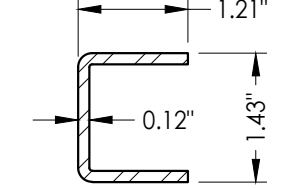
**6** **GLAZING BEAD**  
Extruded vinyl



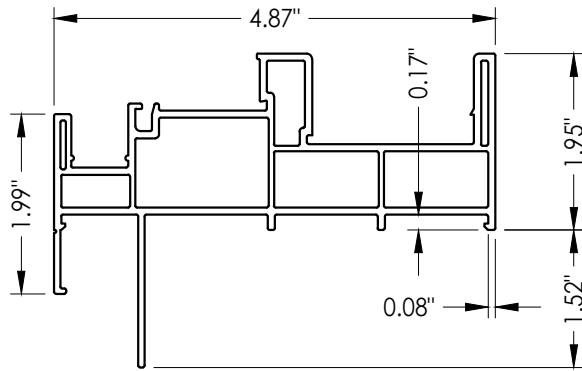
**8** **SILL TRACK**  
Extruded aluminum



**11** **SASH INTERLOCK (PD24)**  
Roll formed steel



**12** **FIXED INTERLOCK (PD34)**  
Roll formed steel



**1** **HEAD / SILL / JAMB**  
Extruded vinyl

Documents Prepared By:  
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P.E. No. 43409

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FBPE Registry No. 9813

PRODUCT:  
EXTRUDED VINYL  
SLIDING PATIO DOORS

PART OR ASSEMBLY:  
BILL OF MATERIALS, GLAZING  
DETAIL & COMPONENTS

| NO. | DATE     | REVISIONS                    |
|-----|----------|------------------------------|
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CHK. BY: LFS

DRAWING NO.:  
FL-12323.19

SHEET 5 OF 5