

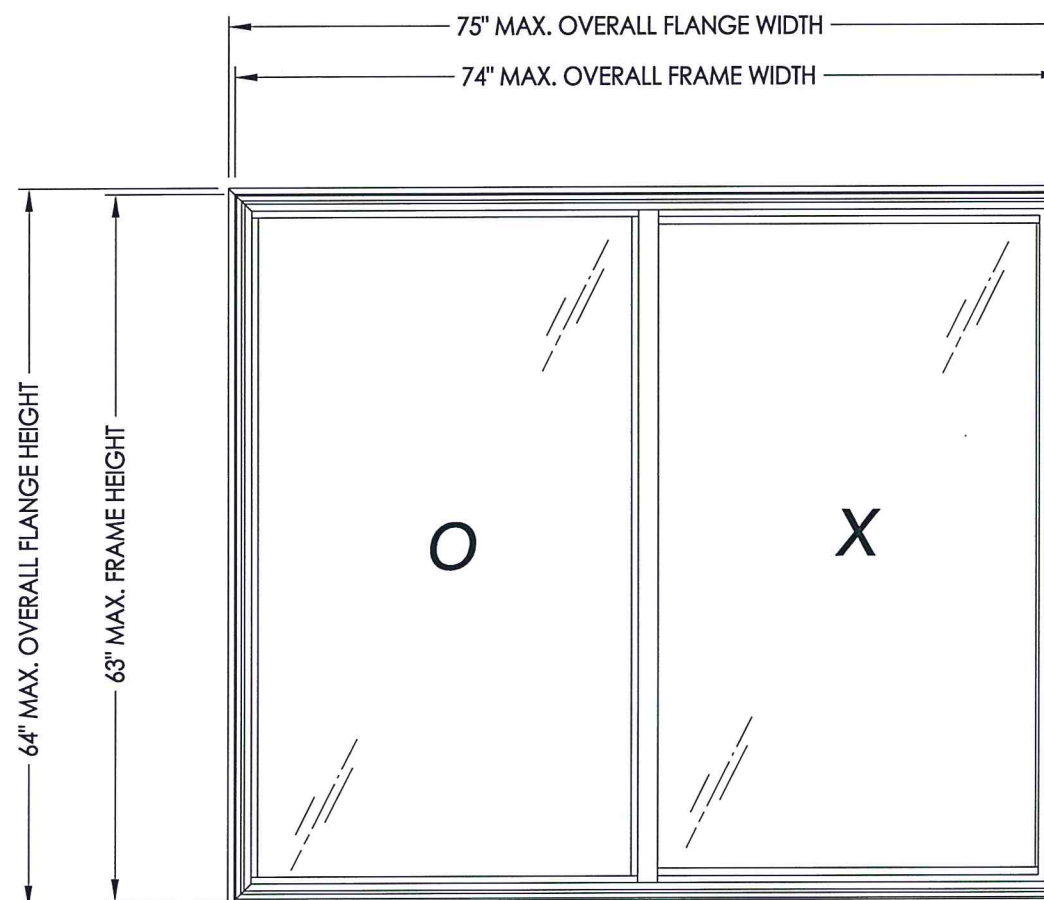


**Series 9000 Model 9550**  
**SLIDER XO**  
**IMPACT RATED - HVHZ**  
**w/ Flange**

## GENERAL NOTES

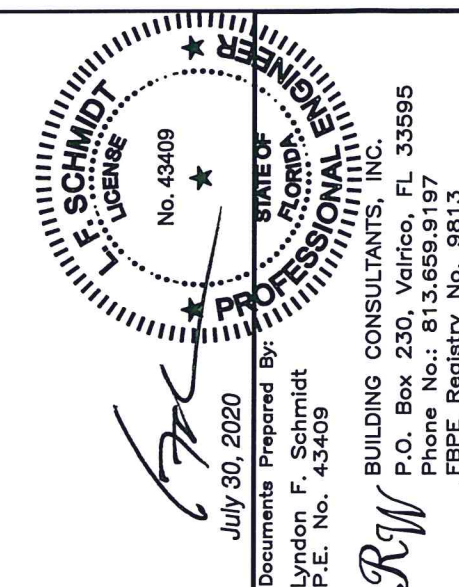
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" 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 includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. This product meets water infiltration requirements for "HVHZ".

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| SHEET#            | DESCRIPTION                                          |
| 1                 | Typical elevations, design pressures & general notes |
| 2                 | Vertical & horizontal cross sections                 |
| 3                 | Vertical & horizontal cross sections                 |
| 4                 | Buck & frame anchoring                               |
| 5                 | Components                                           |
| 6                 | Bill of materials and glazing details                |



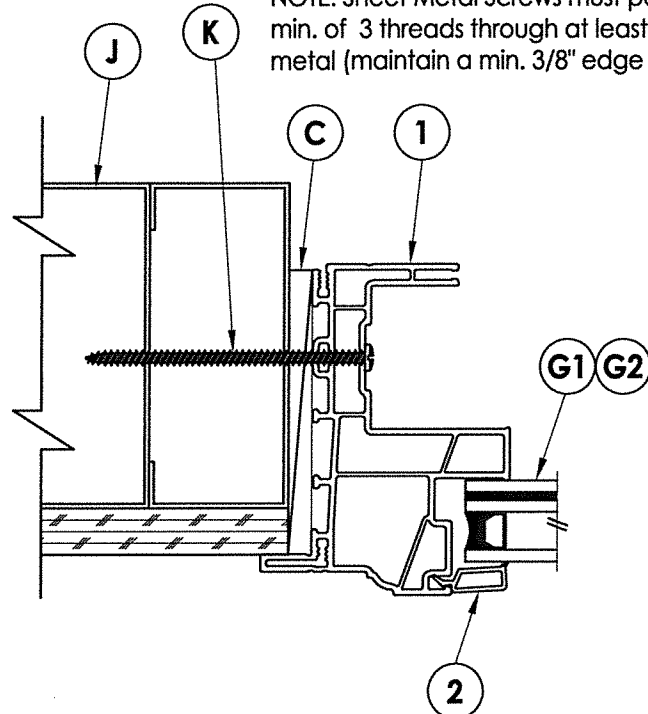
| MAX. OVERALL<br>FLANGE<br>DIMENSION | MAX. OVERALL<br>FRAME<br>DIMENSION | MAX<br>DAY LITE<br>DIMENSION<br>(OPERABLE) | MAX<br>DAY LITE<br>DIMENSION<br>(FIXED) | GLASS<br>TYPE | DESIGN PRESSURE<br>(PSF) |       |
|-------------------------------------|------------------------------------|--------------------------------------------|-----------------------------------------|---------------|--------------------------|-------|
|                                     |                                    |                                            |                                         |               | POS.                     | NEG.  |
| 75.0" X 64.0"                       | 74.0" X 63.0"                      | 33.5" X 57.31"                             | 33.25" X 58.56"                         | G1, G2        | +55.0                    | -60.0 |

Note: This product, when used with G1 glazing, is not approved for use above 30 feet in the "HVHZ".



|                                                                       |          |                               |     |     |
|-----------------------------------------------------------------------|----------|-------------------------------|-----|-----|
| DATE: 2/19/14                                                         |          | PRODUCT: NewSouth             |     |     |
| SCALE: N.T.S.                                                         |          |                               |     |     |
| DWG. BY: JK                                                           |          |                               |     |     |
| CHK. BY: LFS                                                          |          |                               |     |     |
| DRAWING NO.: FL-16842.6                                               |          |                               |     |     |
| SHEET 1 OF 6                                                          |          |                               |     |     |
| 5                                                                     | 7/30/20  | UPDATE TO 7TH ED. (2020)      | FBC | DAC |
| 4                                                                     | 9/22/17  | UPDATE TO 6TH ED. (2017)      | FBC | JK  |
| 3                                                                     | 9/26/16  | ADDED ALT. ANCHOR LOCATION    |     | LFS |
| 2                                                                     | 12/17/15 | REVISE MODEL NAME/ADD GLAZING | JK  |     |
| 1                                                                     | 6/25/15  | UPDATE TO 5TH ED. (2014)      | FBC | LFS |
| NO.                                                                   | DATE     | REVISIONS                     |     |     |
| PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES |          |                               |     |     |

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).



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

SEE NOTE 1

INTERIOR

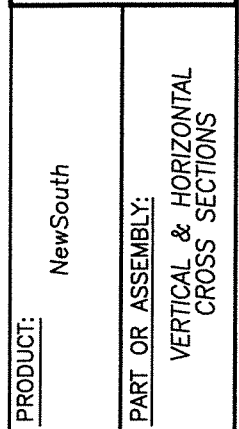
EXTERIOR

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

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

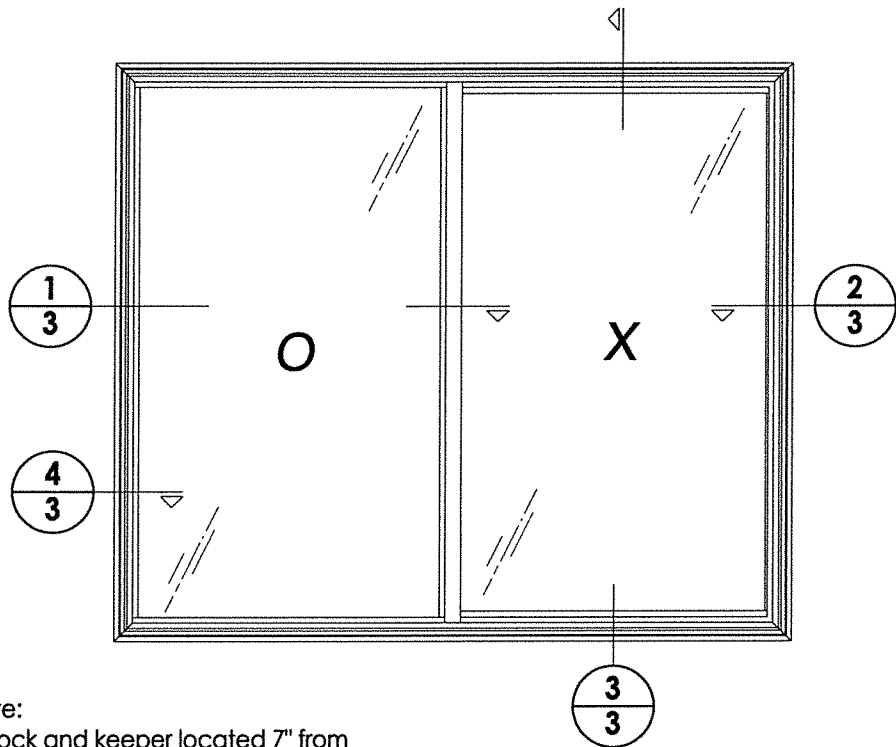
SEE NOTE 2

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

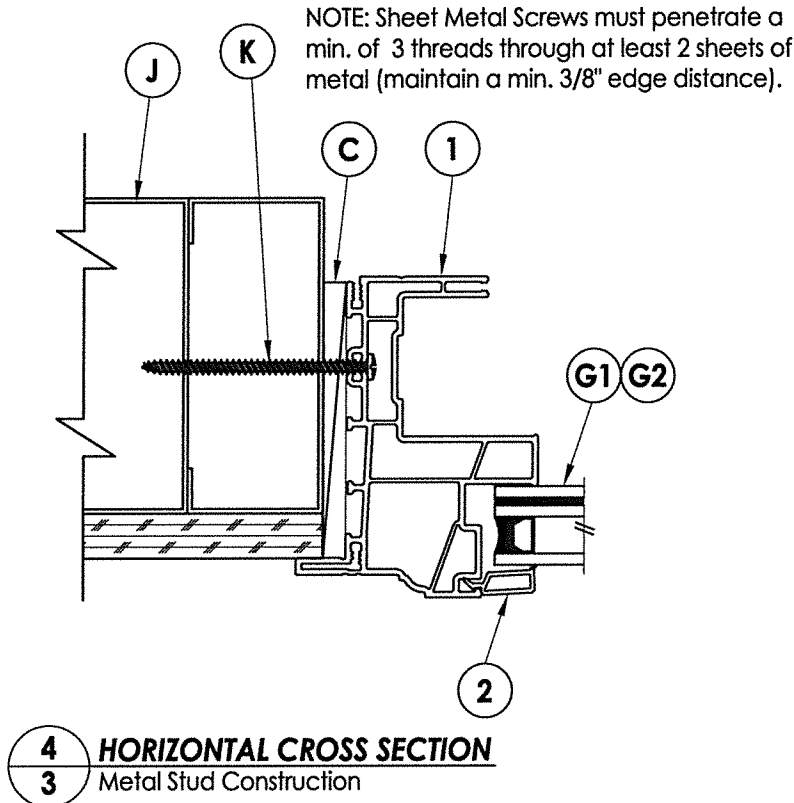


|              |            |
|--------------|------------|
| DATE:        | 2/19/14    |
| SCALE:       | N.T.S.     |
| DWG. BY:     | JK         |
| CHK. BY:     | LFS        |
| DRAWING NO.: | FL-16842.6 |
| SHEET        | 2 OF 6     |

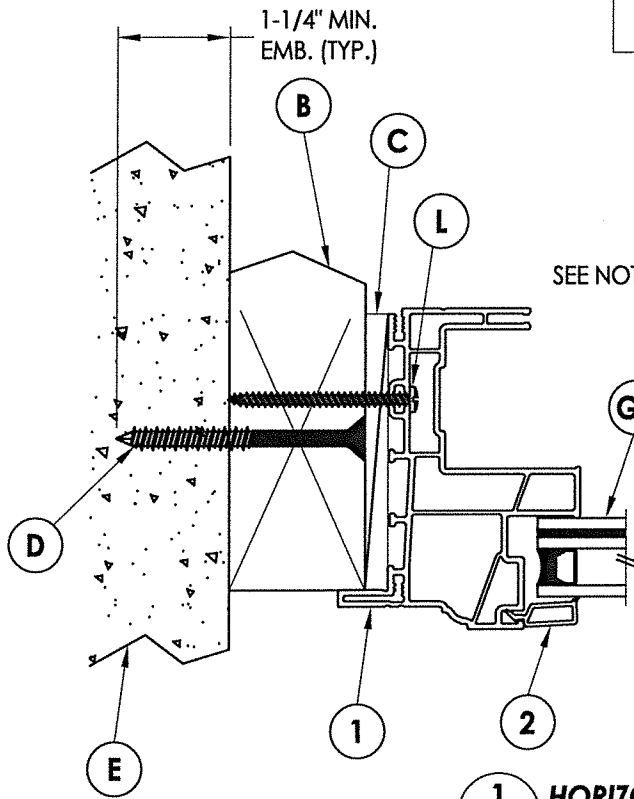
\\dc01\wbc\Clients\New South Windows PERMANENT\A - Florida Product Approvals\FL-16842 Horizontal Slider\C - Drawings\FL-16842 (2020) R5\FL-16842.6.dwg



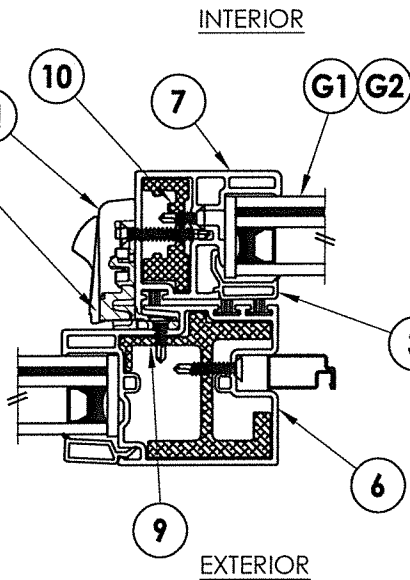
- Note:
1. Lock and keeper located 7" from each end of lock/meeting stile.
  2. Metal roller assembly located 2" from each end of the bottom rail.
  3. Anti-lift secured to head with (6) #6 x 1/2" PPH SMS.



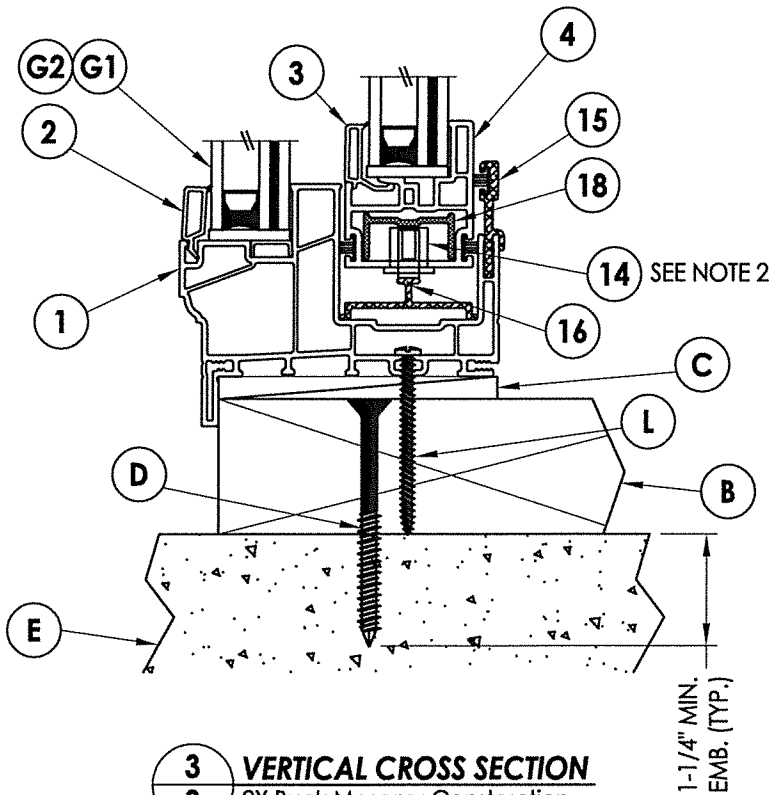
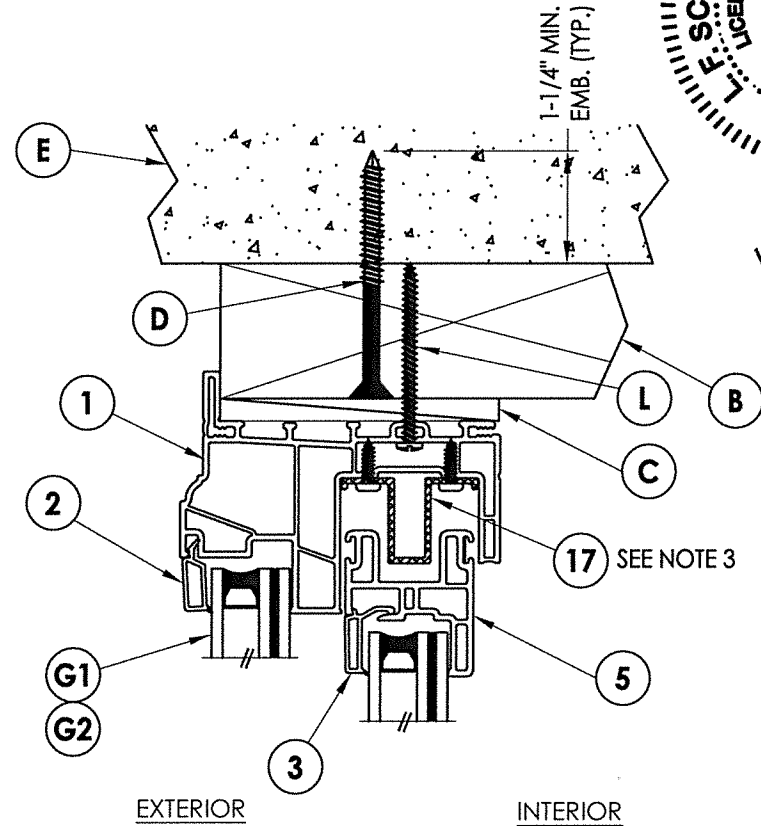
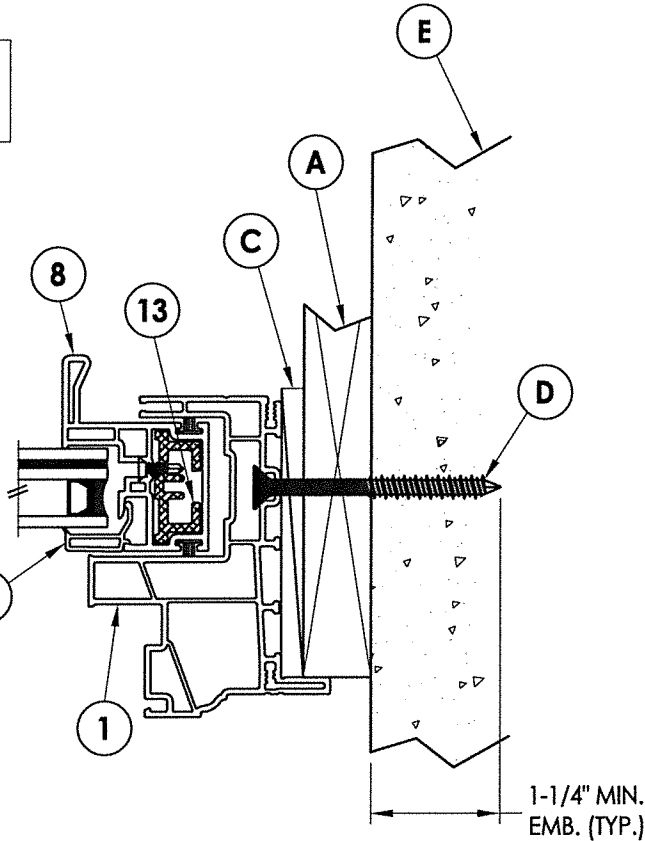
ALTERNATE ANCHORING LOCATION  
SHOWN ON THIS SHEET



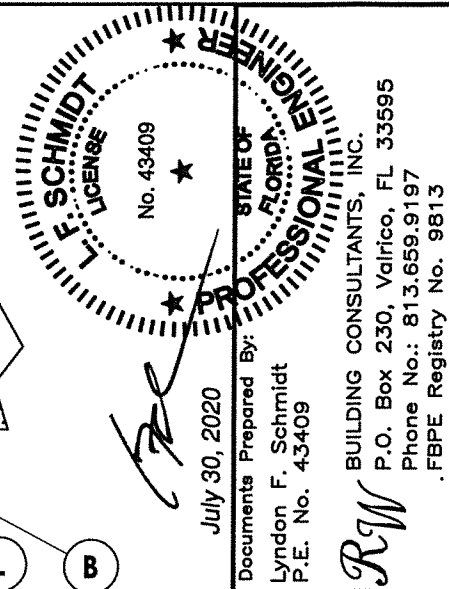
**1** **HORIZONTAL CROSS SECTION**  
**3** 2X Buck Masonry Construction



**2** **HORIZONTAL CROSS SECTION**  
**3** 1X Buck Masonry Construction



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



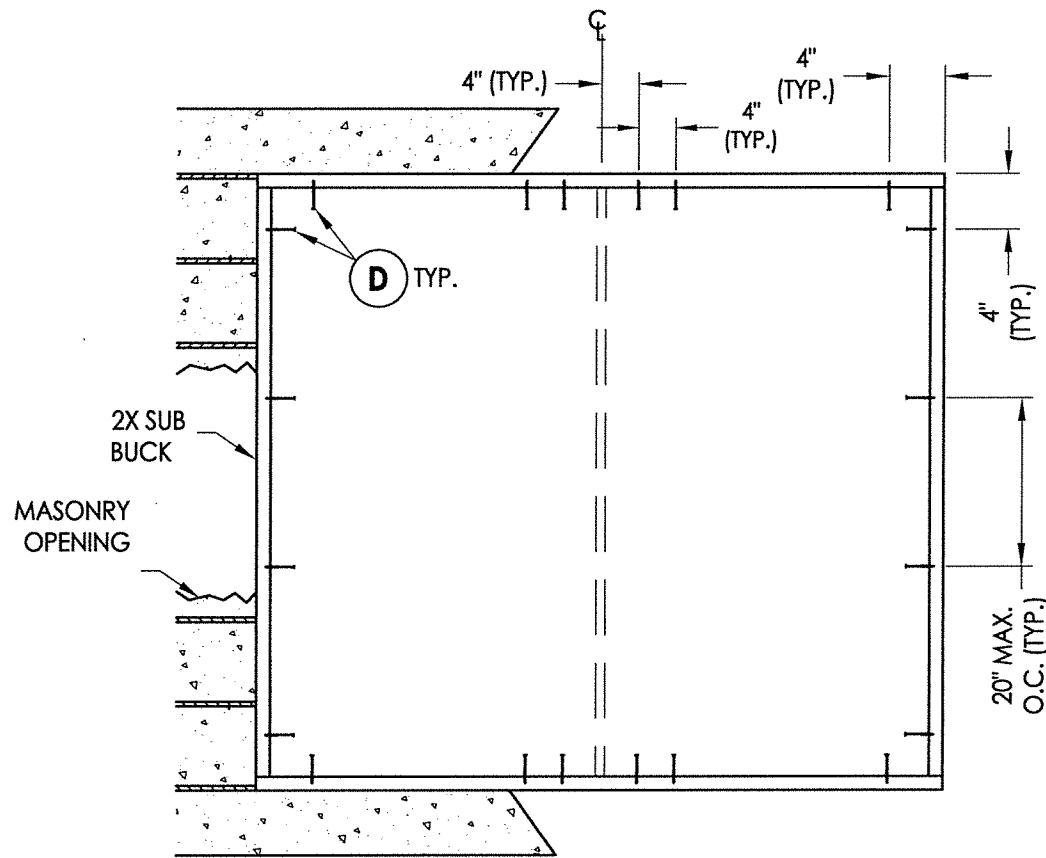
July 30, 2020  
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409  
R.W. BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: NewSouth  
PART OR ASSEMBLY:  
VERTICAL & HORIZONTAL  
CROSS SECTIONS

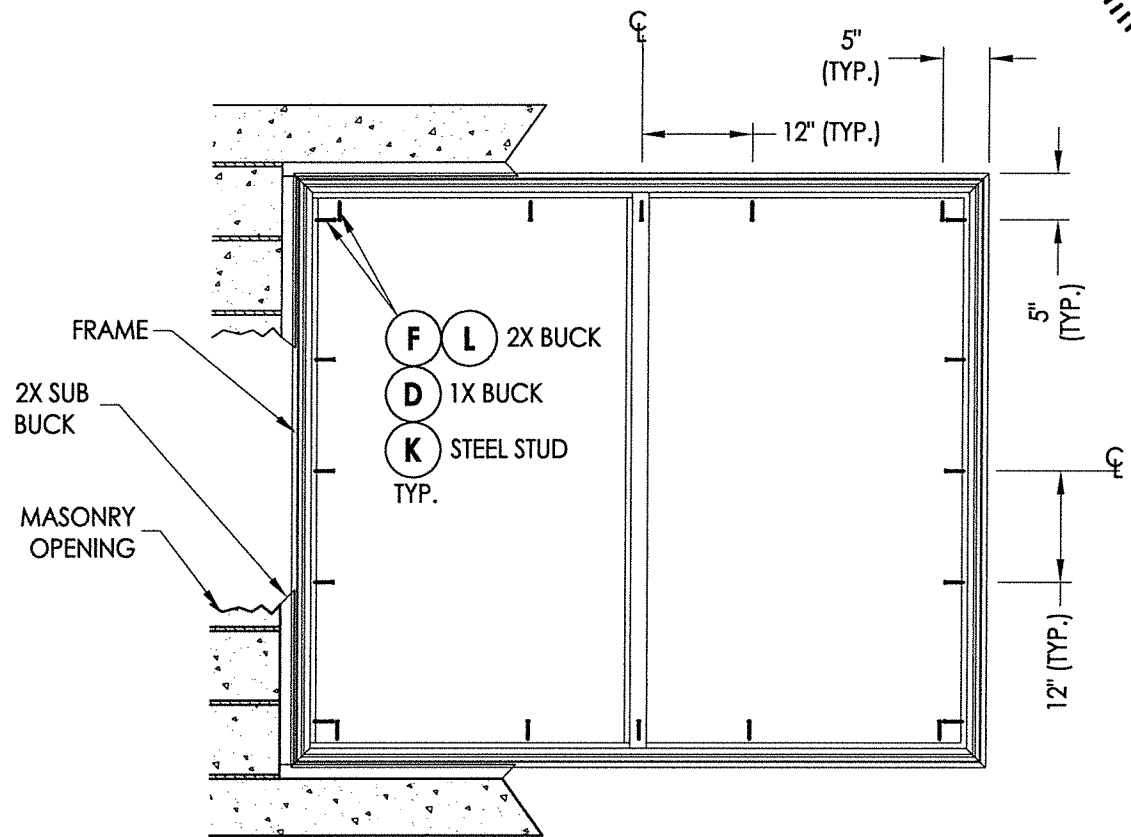
| NO. | DATE     | REVISIONS                        |
|-----|----------|----------------------------------|
| 5   | 7/30/20  | UPDATE TO 7TH ED. (2020) FBC DAC |
| 4   | 9/22/17  | UPDATE TO 6TH ED. (2017) FBC JK  |
| 3   | 9/26/16  | ADDED ALT. ANCHOR LOCATION LFS   |
| 2   | 12/17/15 | REVISE MODEL NAME/ADD GLAZING JK |
| 1   | 6/25/15  | UPDATE TO 5TH ED. (2014) FBC LFS |

DATE: 2/19/14  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-16842.6  
SHEET 3 OF 6

R:\Clients\New South Windows PERMANENT\A - Florida Product Approvals\FL-16842 Horizontal Slider\A - Drawings\FL-16842 (2020) R5\FL-16842.6.dwg, 4.6



2X BUCK ANCHORING



FRAME ANCHORING

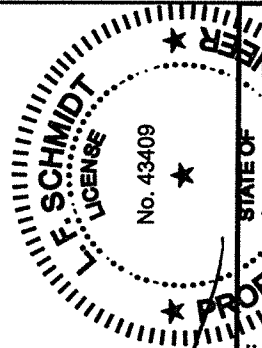
CONCRETE ANCHOR NOTES:

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

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.



July 30, 2020  
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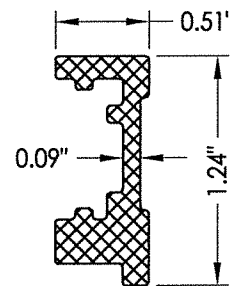
PRODUCT: NewSouth

PART OR ASSEMBLY:  
BUCK & FRAME ANCHORING

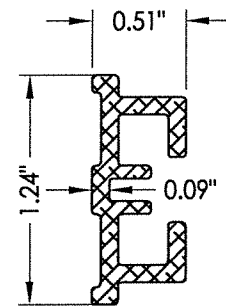
| NO. | DATE     | REVISIONS                     |
|-----|----------|-------------------------------|
| 5   | 7/30/20  | UPDATE TO 7TH ED. (2020) FBC  |
| 4   | 9/22/17  | UPDATE TO 6TH ED. (2017) FBC  |
| 3   | 9/26/16  | ADDED ALT. ANCHOR LOCATION    |
| 2   | 12/17/15 | REVISE MODEL NAME/ADD GLAZING |
| 1   | 6/25/15  | UPDATE TO 5TH ED. (2014) FBC  |
| NO. | DATE     | BY                            |

DATE: 2/19/14  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-16842.6  
SHEET 4 OF 6

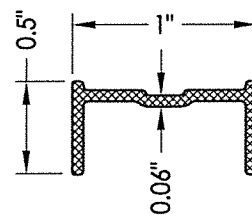
## 9 MEETING STILE REINFORCEMENT



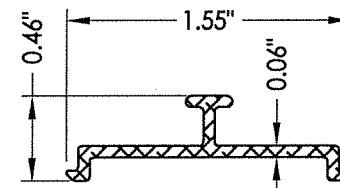
## 10 LOCK STILE REINFORCEMENT



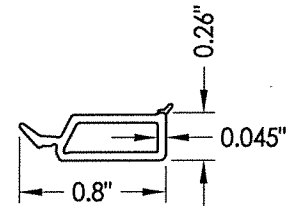
### 13 HANDLE STILE REINFORCEMENT



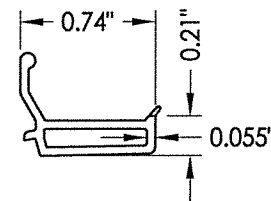
## 18 BOTTOM RAIL REINFORCEMENT



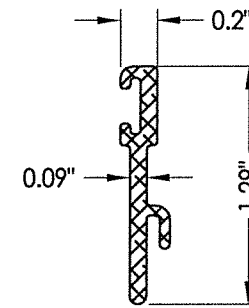
## 16 ROLLER TRACK



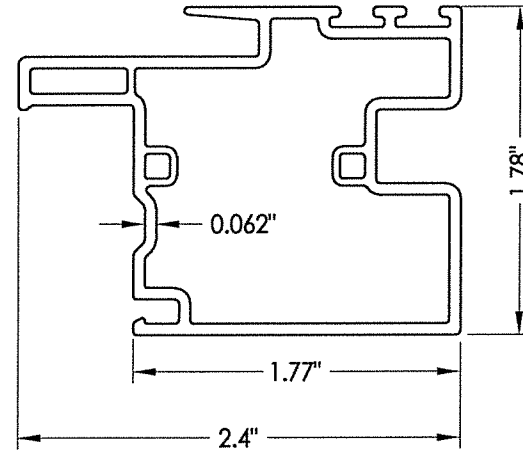
## 2 GLAZING BEAD



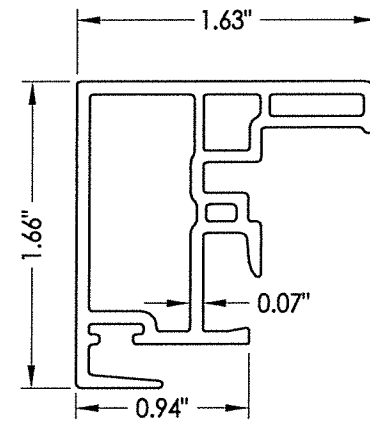
### 3 GLAZING BEAD



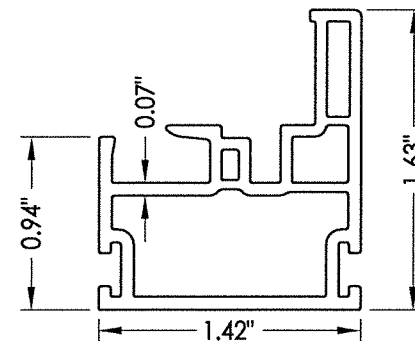
**15 SILL RISER**



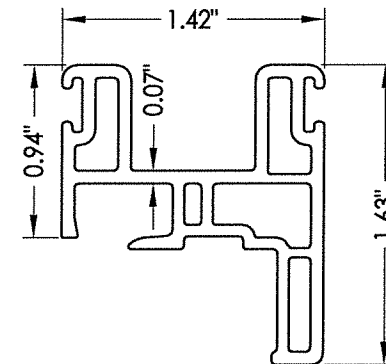
## 6 MEETING STILE



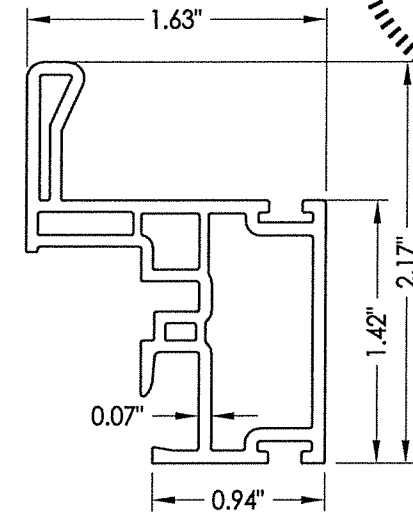
## 7 LOCK STILE



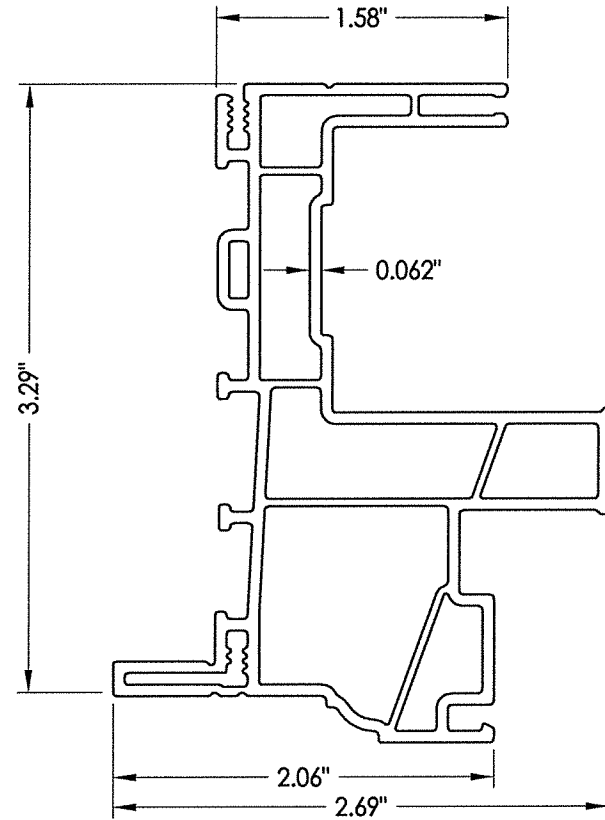
#### 4 BOTTOM RAIL



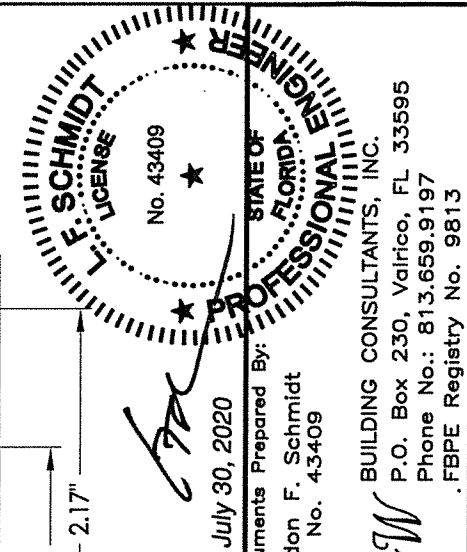
**5 TOP RAIL**



## 8 HANDLE STILE



**1 FRAME**



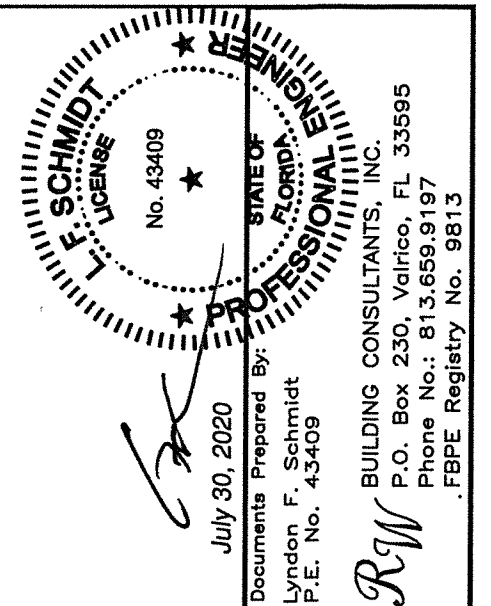
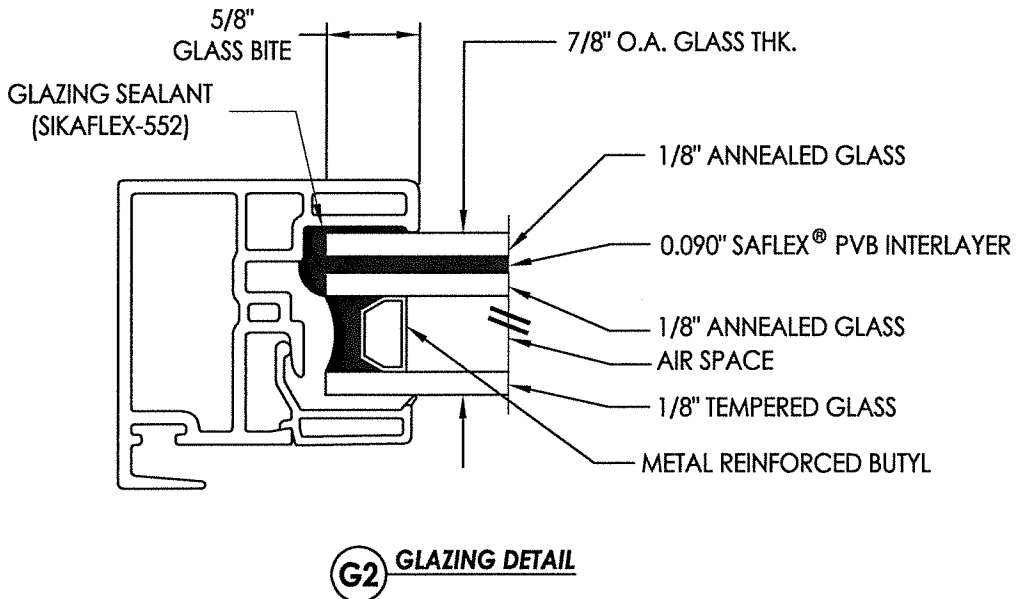
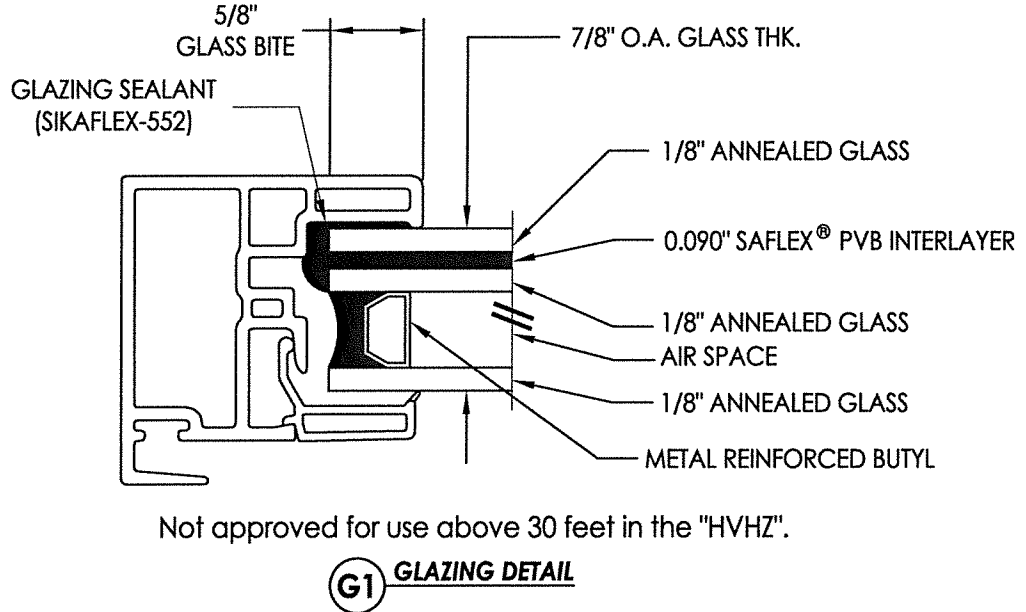
July 30, 2020  
Documents Prepared By:  
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P.E. No. 43409

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

|                         |  |            |  |                               |  |     |     |                          |
|-------------------------|--|------------|--|-------------------------------|--|-----|-----|--------------------------|
| DATE: 2/19/14           |  | 7/30/20    |  | UPDATE TO 7TH ED. (2020)      |  | FBC | DAC | PRODUCT:<br><br>NewSouth |
| SCALE: N.T.S.           |  | 9/22/17    |  | UPDATE TO 6TH ED. (2017)      |  | FBC | JK  |                          |
| DWG. BY: JK             |  | 3/9/26/16  |  | ADDED ALT. ANCHOR LOCATION    |  | LFS |     |                          |
| CHK. BY: LFS            |  | 2/12/17/15 |  | REVISE MODEL NAME/ADD GLAZING |  | JK  |     |                          |
| DRAWING NO.: FL-16842.6 |  | 1/6/25/15  |  | UPDATE TO 5TH ED. (2014)      |  | FBC | LFS | PART OR ASSEMBLY:        |
| SHEET 5 OF 6            |  | NO. DATE   |  |                               |  |     | BY  |                          |
| REVISIONS               |  |            |  |                               |  |     |     | COMPONENTS               |

| BILL OF MATERIALS |                                                                                                |                |
|-------------------|------------------------------------------------------------------------------------------------|----------------|
| ITEM #            | DESCRIPTION                                                                                    | MATERIAL       |
| B                 | 2X BUCK (SG >= 0.55)                                                                           | 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          |
| 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          |
| L                 | #10 X 2" PPH SMS (1-1/2 MIN. EMBEDMENT)                                                        | STEEL          |
| 1                 | EXTRUDED VINYL FRAME (439)*                                                                    | RIGID PVC      |
| 2                 | EXTRUDED VINYL GLAZING BEAD (736A)*                                                            | RIGID PVC      |
| 3                 | EXTRUDED VINYL GLAZING BEAD (425A) *                                                           | RIGID PVC      |
| 4                 | BOTTOM RAIL (424B)*                                                                            | RIGID PVC      |
| 5                 | TOP RAIL (478)*                                                                                | RIGID PVC      |
| 6                 | MEETING STILE (477)*                                                                           | RIGID PVC      |
| 7                 | LOCK STILE (476)*                                                                              | RIGID PVC      |
| 8                 | HANDLE STILE (475B)*                                                                           | RIGID PVC      |
| 9                 | MEETING STILE REINFORCEMENT                                                                    | 6063 - T5 ALUM |
| 10                | LOCK STILE REINFORCEMENT                                                                       | 6063 - T5 ALUM |
| 11                | SASH LOCK                                                                                      | -              |
| 12                | KEEPER                                                                                         | -              |
| 13                | HANDLE STILE REINFORCEMENT                                                                     | 6063 - T5 ALUM |
| 14                | ROLLER (TRUTH #2433-1000)                                                                      | -              |
| 15                | SILL RISER                                                                                     | 6063 - T5 ALUM |
| 16                | ROLLER TRACK                                                                                   | 6063 - T5 ALUM |
| 17                | ANTI-LIFT ALUMINUM                                                                             | 6063 - T5 ALUM |
| 18                | BOTTOM RAIL REINFORCEMENT                                                                      | 6063 - T5 ALUM |
| 20                | WEATHERSTRIP (.187" X .290")                                                                   | -              |

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



|                         |  |          |          |                               |     |     |                                                                   |
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| SHEET 6 OF 6            |  | NO. DATE |          |                               |     |     | PART OR ASSEMBLY:<br><br>BILL OF MATERIALS<br>AND GLAZING DETAILS |
| REVISIONS               |  |          |          |                               |     |     |                                                                   |