



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

PGT Industries, Inc.  
1070 Technology Drive  
North Venice, FL 34275

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.-

**DESCRIPTION:** Series "SH-3000" Aluminum Single Hung Window – S.M.I.

**APPROVAL DOCUMENT:** Drawing No. 3000A-7-07, titled "Alum. Single Hung Window, Imp. (SM)", sheets 1 through 11 of 11, dated 07/12/07, with revision C dated 06/02/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 12-0726.01 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



*MP*  
8/20/15

NOA No. 15-0612.10  
Expiration Date: December 06, 2017  
Approval Date: August 27, 2015  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA No. 07-0905.03)*
2. Drawing No. **3000A-7-07**, titled "Alum. Single Hung Window, Imp. (SM)", sheets 1 through 11 of 11, dated 07/12/07 with revision C dated 06/02/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Small Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94  
along with marked-up drawings and installation diagram of a series SH-3000 aluminum single hung window, prepared by Architectural Testing, Inc., Test Report No. **ATI-72154.01-401-18**, dated 08/21/07, signed and sealed by Joseph A. Reed, P.E.  
*(Submitted under NOA No. 07-0905.03)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated 06/08/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-04**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "Butacite® PVB Glass Interlayer" dated 04/25/15, expiring on 12/11/16.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0612.10  
Expiration Date: December 06, 2017  
Approval Date: August 27, 2015

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated June 2, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated June 2, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Laboratory compliance letter for Test Report No. **ATI-72154.01-401-18** issued by Architectural Testing, Inc., dated 08/21/07, signed and sealed by Joseph A. Reed, P.E.  
*(Submitted under NOA No. 07-0905.03)*

**G. OTHERS**

1. Notice of Acceptance No. **12-0726.01**, issued to PGT Industries for their Series "SH-3000" Aluminum Single Hung Window - S.M.I." approved on 10/18/12 and expiring on 12/06/17.

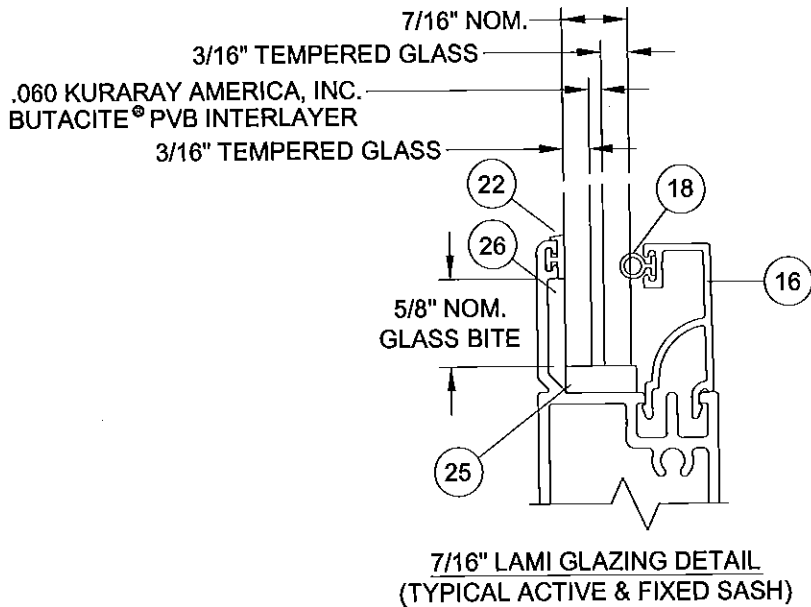


Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0612.10

Expiration Date: December 06, 2017  
Approval Date: August 27, 2015

GENERAL NOTES: SMALL MISSILE IMPACT SINGLE HUNG WINDOW

1. GLAZING OPTIONS:  
7/16" LAMINATED GLASS CONSISTING OF (2) LITES OF 3/16" TEMPERED GLASS WITH AN .060 BUTACITE® INTERLAYER MANUFACTURED BY KURARAY AMERICA, INC.
2. CONFIGURATIONS: "OX" (1/1, ORIEL), TOP SASH REMOVABLE.
3. DESIGN PRESSURES: (SEE TABLE 1)  
A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300.  
B. POSITIVE DESIGN LOADS BASED ON WATER AND STRUCTURAL TEST PRESSURE AND GLASS TABLES ASTM E 1300.
4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 6 THROUGH 10 FOR ANCHORAGE DETAILS.
5. SHUTTER REQUIREMENT: ABOVE 30 FT. SHUTTERS ARE NOT REQUIRED.
6. FRAME AND PANEL CORNERS SEALED WITH NARROW JOINT SEALANT OR GASKET.
7. REFERENCES: TEST REPORTS (ATI) 72154-.01-401-18  
ELCO TEXTRON NOA  
ANSI/AF&PA NDS FOR WOOD CONSTRUCTION  
ADM ALUMINUM DESIGN MANUAL
8. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
9. FOR CONCRETE OR CONCRETE BLOCK APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ANCHORS. MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 2". ANCHORS SHOULD NOT BE INSTALLED WITHIN 5" OF EACH OTHER.  
FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #14 WOOD SCREWS. SCREW THREADS MUST BE COMPLETELY EMBEDDED INTO SUBSTRATE.



NOTE:

FOR SMALL MISSILE APPLICATIONS ONLY

DESIGN PRESSURE

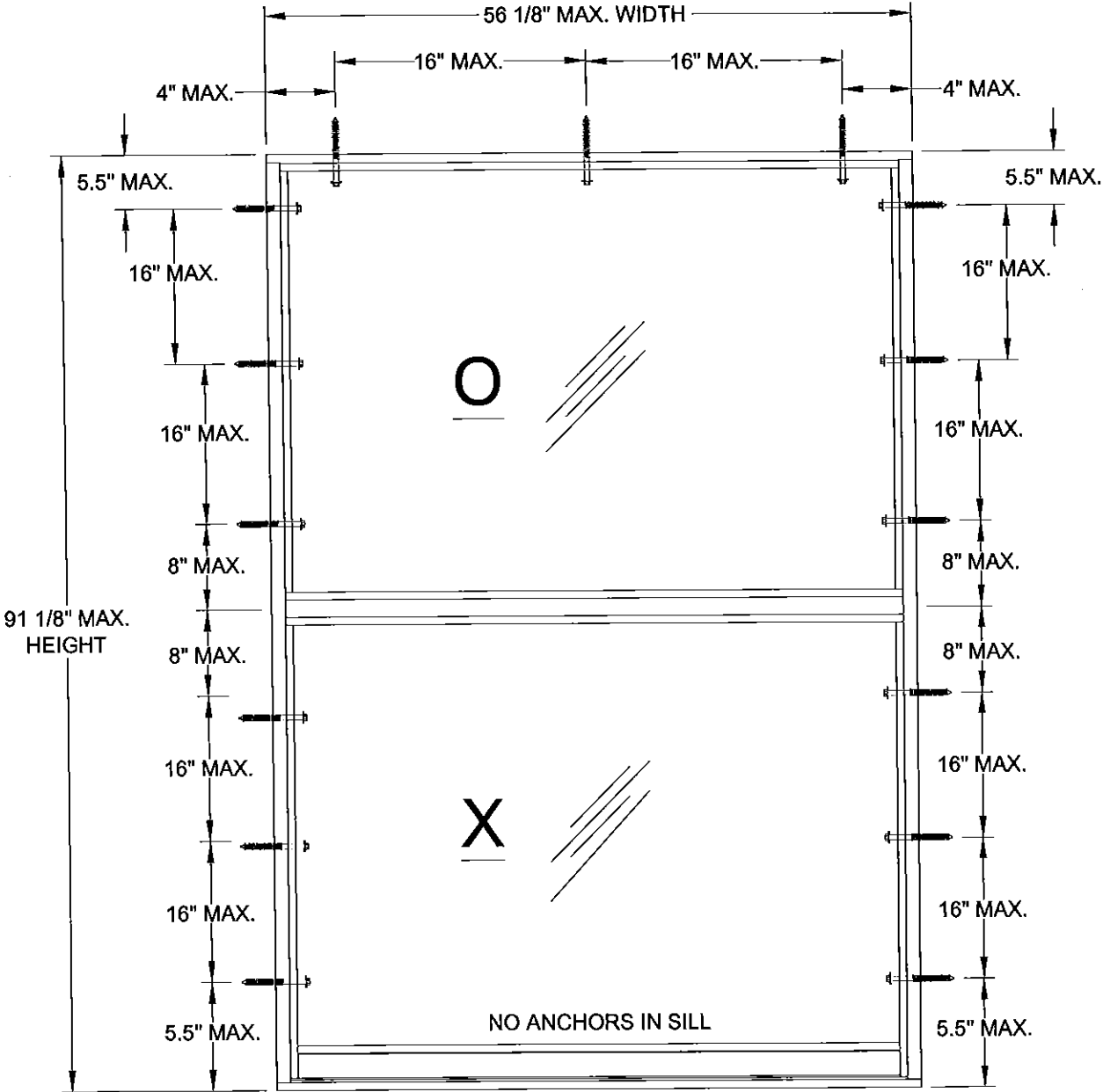
Table 1.

| GLASS TYPE                                                                                                       | POS    | NEG    |
|------------------------------------------------------------------------------------------------------------------|--------|--------|
| 7/16" TEMPERED LAMI                                                                                              | +110.0 | -165.0 |
| DESIGN PRESSURE MAY BE LIMITED BASED ON ANCHOR TYPE USED. SEE ANCHORAGE TABLES 2, 3 AND 4 ON SHEETS 8, 9 AND 10. |        |        |

NOA DRAWING MAP

SHEET

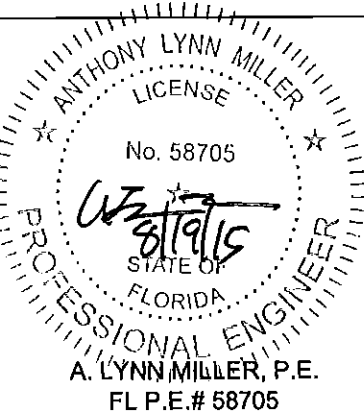
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|------------------------|------|
| GENERAL NOTES.....     | 1    |
| GLAZING DETAILS.....   | 1    |
| DESIGN PRESSURES.....  | 1    |
| ELEVATIONS.....        | 2-3  |
| VERT. SECTIONS.....    | 3    |
| HORIZ. SECTIONS.....   | 3    |
| PARTS LIST.....        | 4    |
| CORNER DETAIL.....     | 4    |
| EXTRUSIONS.....        | 5    |
| ANCHORAGE.....         | 6-7  |
| ANCHOR QUANTITIES..... | 8-10 |
| EGRESS CHART.....      | 11   |



ABOVE ANCHORAGE DETAILLS REFER TO MAXIMUM SPACING. FOR EXACT ANCHORAGE REQUIREMENTS, PLEASE SEE THE ENCLOSED SHEETS

DETAIL A

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0612-10  
Expiration Date Dec. 31, 2017  
By *Manuel Perez*  
Miami Dade Product Control



|             |          |             |                                                     |
|-------------|----------|-------------|-----------------------------------------------------|
| Revised By: | Date:    | Revisions:  |                                                     |
| Revised By: | Date:    | Revisions:  |                                                     |
| Revised By: | Date:    | Revisions:  |                                                     |
| J.R.        | 06/02/15 | C           | FBC 2014 CODE CHANGE, THIS SHEET: REMOVED STD YEARS |
| Drawn By:   | Date:    | Checked By: | Date:                                               |
| J.R.        | 07/12/07 | J.R.        | 7/13/07                                             |

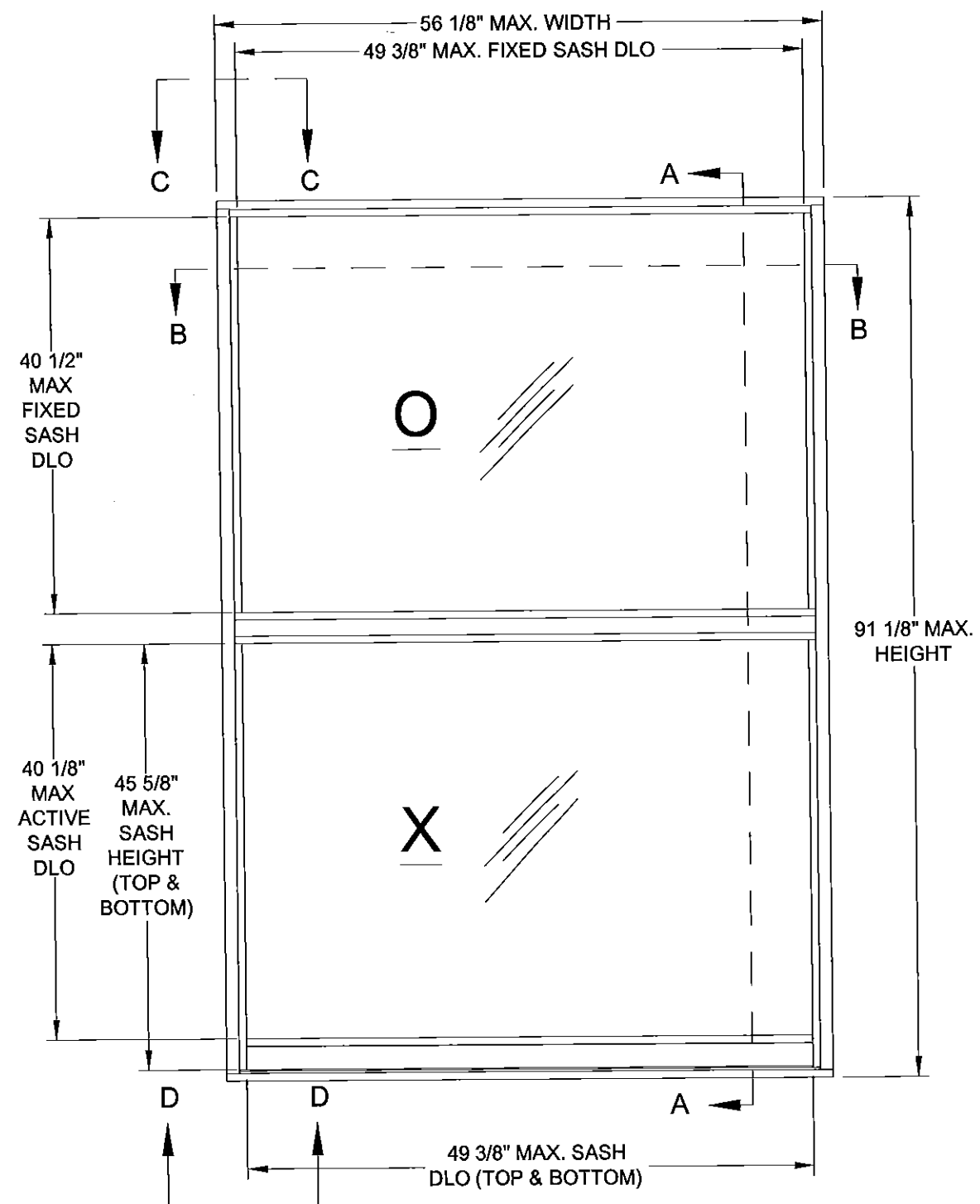
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274



|               |                                     |         |             |      |
|---------------|-------------------------------------|---------|-------------|------|
| Description:  | GENERAL NOTES, GLAZING DETAIL & DP  |         |             |      |
| Title:        | ALUM. SINGLE HUNG WINDOW, IMP. (SM) |         |             |      |
| Series/Model: | Scale:                              | Sheet:  | Drawing No. | Rev. |
| SH3000        | NTS                                 | 1 of 11 | 3000A-7-07  | C    |

**NOTE:**  
FOR SMALL MISSILE  
APPLICATIONS ONLY

Daylight Opening Width = Window Width - 6.5  
Daylight Opening Height =  $\frac{\text{Window Height}}{2} - 5$   
Above formulas are for both top and bottom  
sashes, and only for even split windows.



**DETAIL A**

**NOTES:**

1. SEE SHEET 3 FOR VERTICAL AND HORIZONTAL SECTION DETAILS.
2. SEE SHEET 4 FOR CORNER DETAIL VIEWS AND BILL OF MATERIAL.
3. SEE SHEETS 6 THROUGH 10 FOR ANCHORAGE INFORMATION.

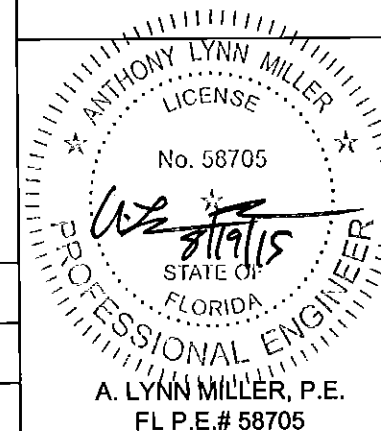
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|-------------|----------|-------------|-----------------------|
| Revised By: | Date:    | Revisions:  |                       |
| Revised By: | Date:    | Revisions:  |                       |
| Revised By: | Date:    | Revisions:  |                       |
| J.R.        | 06/02/15 | C           | NO CHANGES THIS SHEET |
| Drawn By:   | Date:    | Checked By: | Date:                 |
| J.R.        | 07/12/07 | J.R.        | 7/13/07               |

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
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**PGT**  
Visibly Better

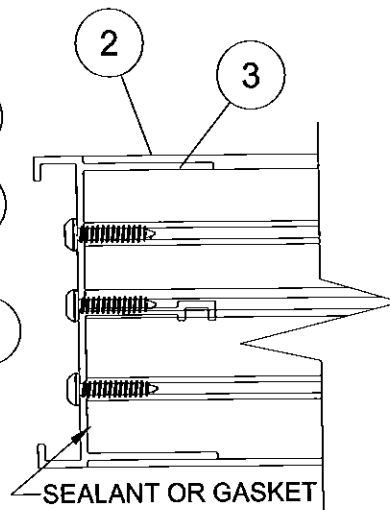
|               |                                            |        |     |         |
|---------------|--------------------------------------------|--------|-----|---------|
| Description:  | <b>ELEVATIONS</b>                          |        |     |         |
| Title:        | <b>ALUM. SINGLE HUNG WINDOW, IMP. (SM)</b> |        |     |         |
| Series/Model: | SH3000                                     | Scale: | NTS | Sheet:  |
|               |                                            |        |     | 2 of 11 |
| Drawing No.   | 3000A-7-07                                 | Rev:   | C   |         |

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No **15-0612.10**  
Expiration Date **Dec 6, 2017**  
By *Manuel Perez*  
Miami Dade Product Control



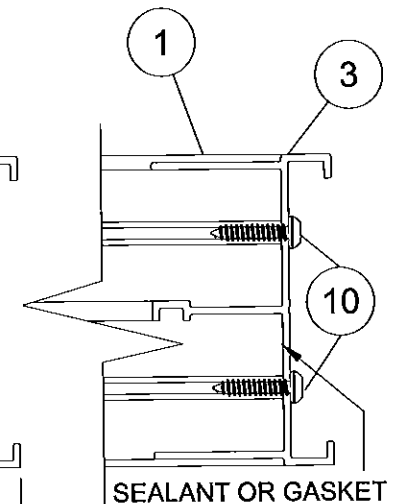
**NOTE:**  
FOR SMALL MISSILE  
APPLICATIONS ONLY

### TYPICAL LOWER CORNER DETAIL

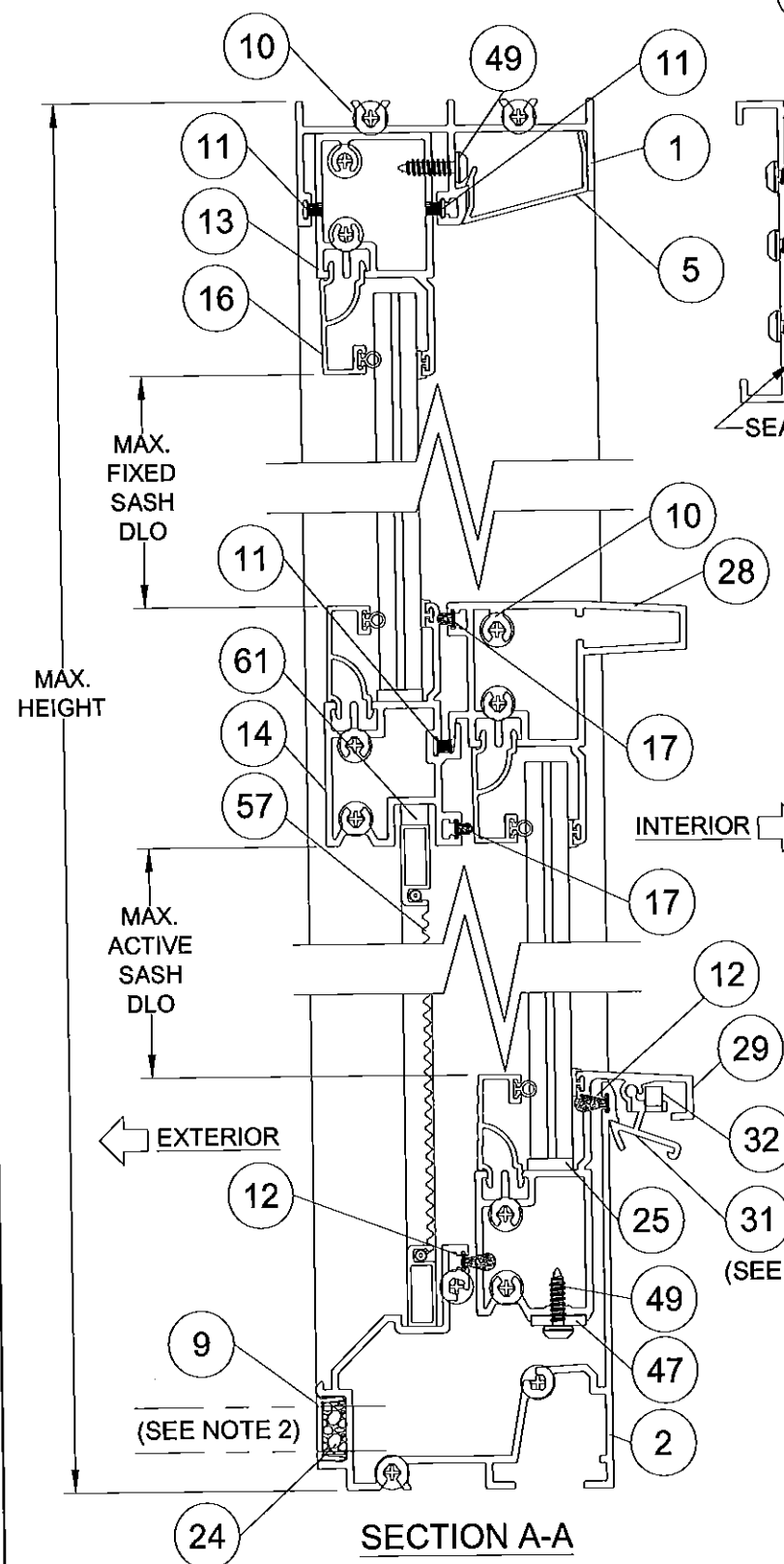


VIEW D-D

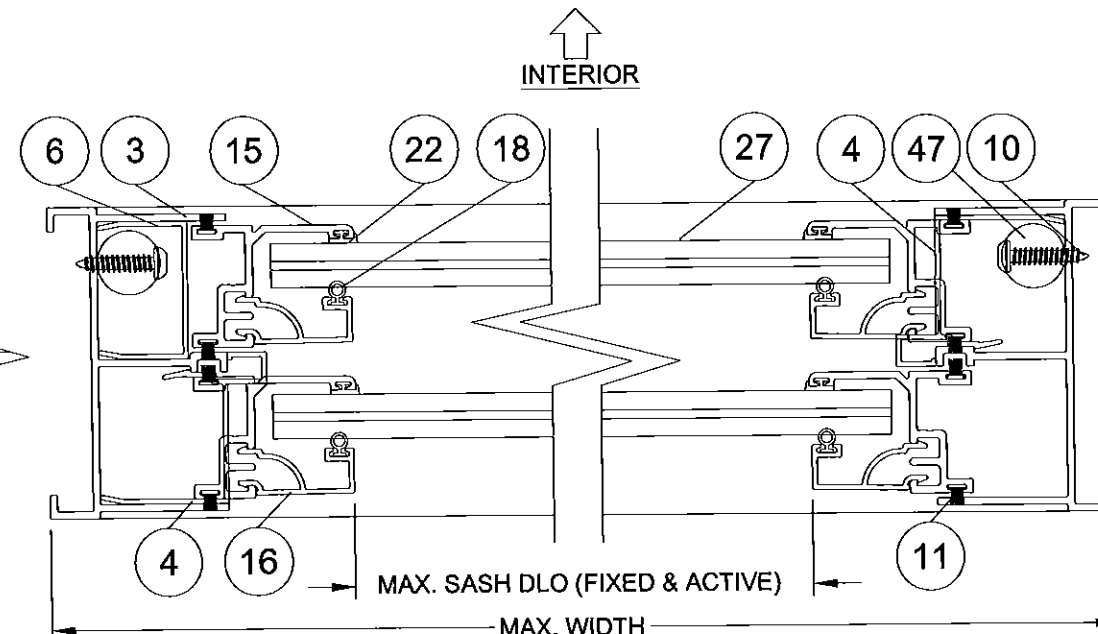
### TYPICAL UPPER CORNER DETAIL



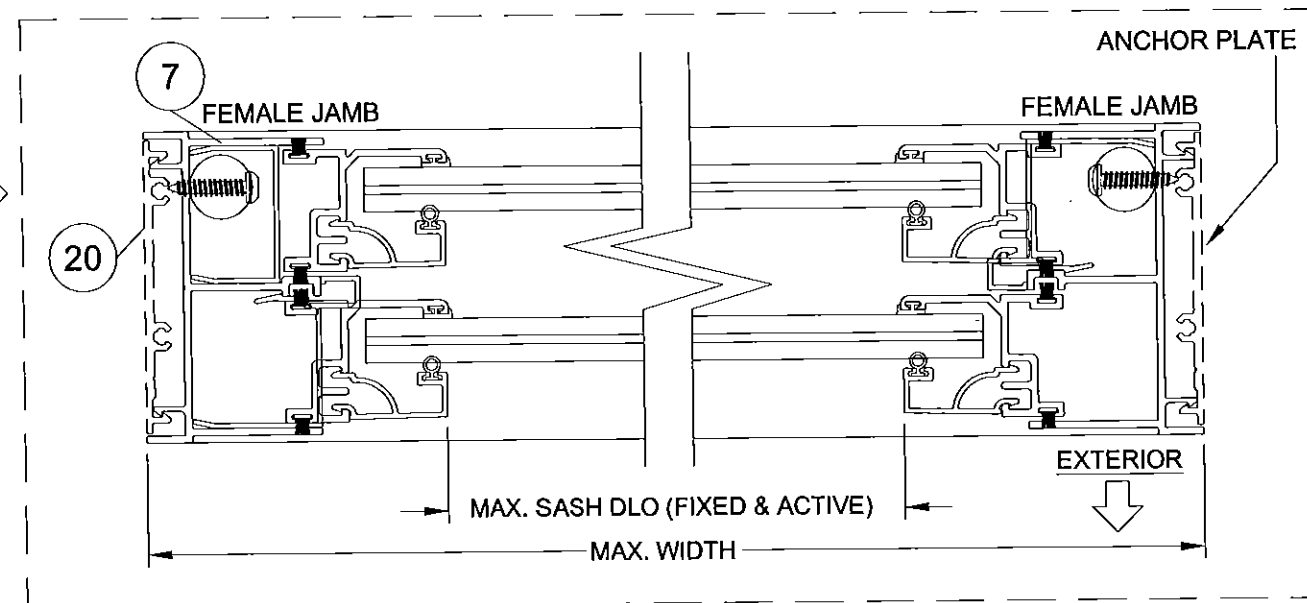
VIEW C-C



SECTION A-A



SECTION B-B

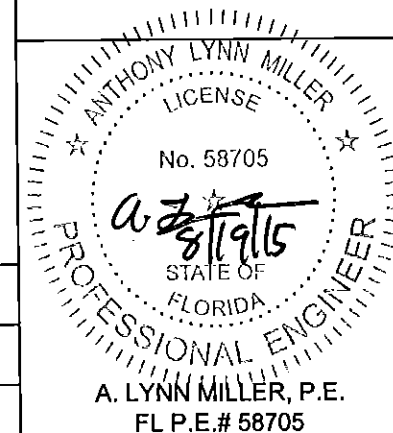


ALT. SECTION B-B  
OPTIONAL ANCHOR PLATE & FEMALE JAMB

#### NOTES:

1. TWO BOTTOM LOCKS LOCATED 4" FROM EACH SIDE OF VENT.
2. THREE 1" X 5/8" WEEPHOLES REQUIRED, TWO AT 6.25" FROM END OF SILL, AND ONE AT MIDSPAN. TWO END WEEPHOLES MAY BE USED IF THE WINDOW IS 34" OR LESS IN WIDTH.
3. THE OPTIONAL ANCHOR PLATE IS TO BE USED WHEN SPECIFIED BY THE ANCHOR QUANTITY CHARTS OF PAGES 8-10.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0612.10  
Expiration Date Dec. 6, 2017  
By *Manuel Perez*  
Miami Dade Product Control



|             |          |             |
|-------------|----------|-------------|
| Revised By: | Date:    | Revisions:  |
| J.R.        | 06/02/15 | C           |
| Drawn By:   | Date:    | Checked By: |
| J.R.        | 07/12/07 | J.R.        |

NO CHANGES THIS SHEET

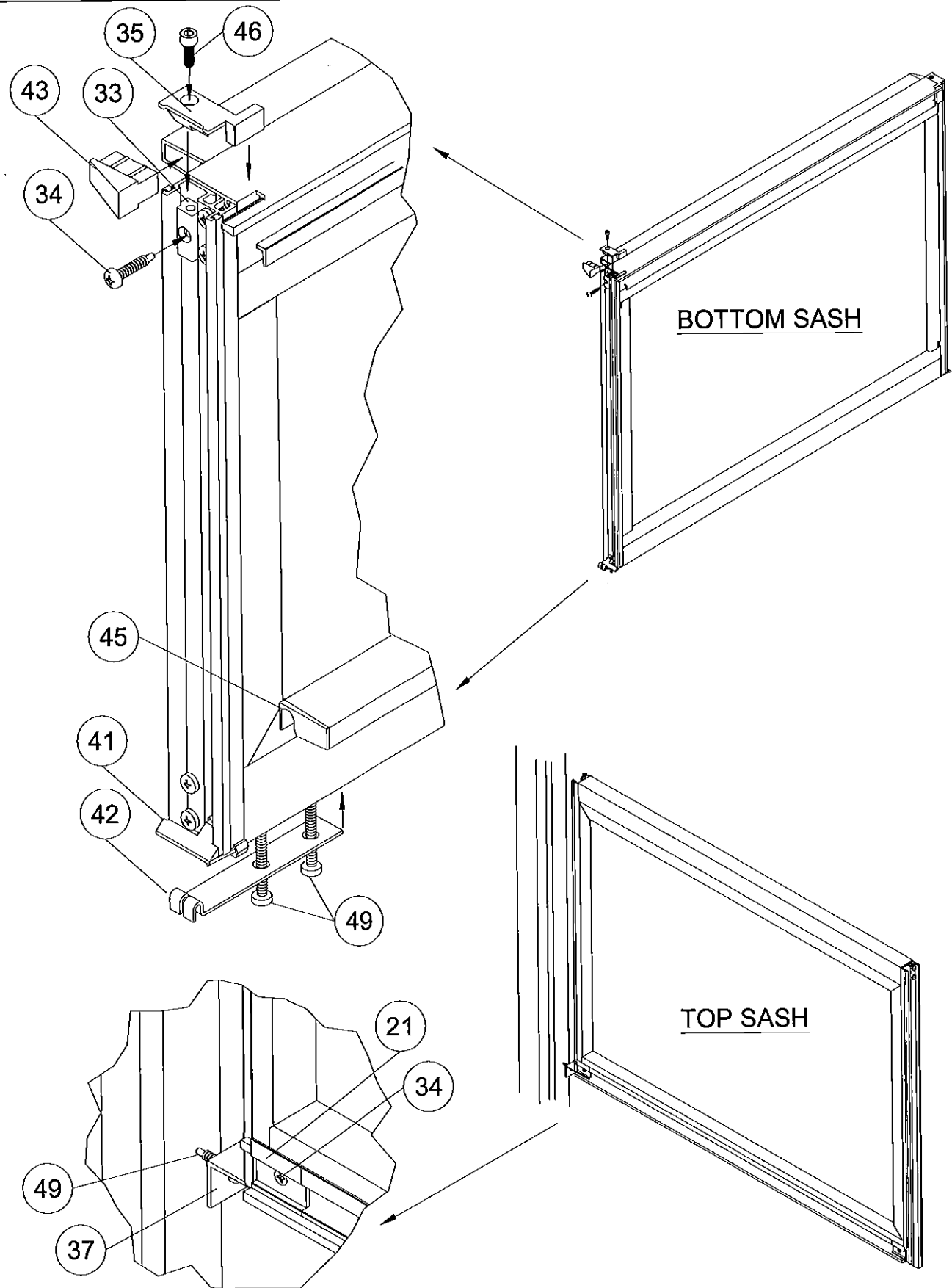
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274

**PGI**  
Visibly Better

|               |                                     |        |     |        |
|---------------|-------------------------------------|--------|-----|--------|
| Description:  | SECTIONS                            |        |     |        |
| Title:        | ALUM. SINGLE HUNG WINDOW, IMP. (SM) |        |     |        |
| Series/Model: | SH3000                              | Scale: | 1/2 | Sheet: |
|               |                                     |        | 3   | of 11  |
| Drawing No.   | 3000A-7-07                          | Rev:   | C   |        |

TABLE 2.

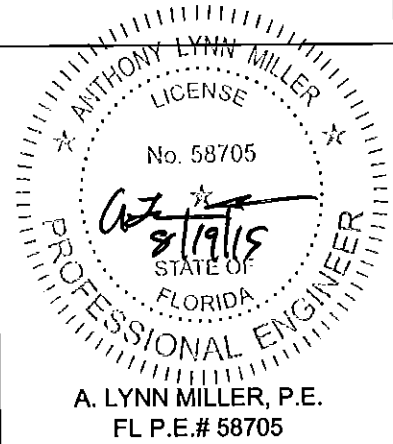
| #  | Dwg #  | Description                      |
|----|--------|----------------------------------|
| 1  | 13002A | Frame Head (Equal Leg)           |
| 2  | 13040  | Frame Sill (Equal Leg)           |
| 3  | 13004  | Frame Jamb (Equal Leg)           |
| 4  | 13017  | Jamb Trim Cover/Sash Stop        |
| 5  | 13044  | Head Screw Cover                 |
| 6  | 4053   | Balance Cover                    |
| 7  | 13116  | Female Jamb                      |
| 9  | 13139  | Track Cover                      |
| 10 | 13011  | Frame/Sash Screws #10 x 1.25" PH |
| 11 | 1059   | Wstp .187 X .210 FS              |
| 12 | 1010A  | Sill Wstp, 3/8" x .190 Foam Bulb |
| 13 | 13005  | Top Sash Top Rail                |
| 14 | 13043  | Top Sash Bottom Rail             |
| 15 | 13007  | Sash Side Rail                   |
| 16 | 13012  | Beading 7/16                     |
| 17 | 1213   | MR Wstp, .200" x .190 Foam Bulb  |
| 18 | 1224   | Bead Wstp.                       |
| 20 | 13103  | Anchor Plate                     |
| 21 | 13099  | Interlock Clip                   |
| 22 | 13020  | Glazing Leg Wstp                 |
| 24 | 1626   | Baffle (Open Cell Foam 30 PPI)   |
| 25 | 1614   | Setting Blocks .125 X .5 X 1.00  |
| 26 | -      | GE 7700 or Equiv.                |
| 27 | -      | Glass                            |
| 28 | 13042  | Bottom Sash Top Rail             |
| 29 | 13041  | Bottom Sash Bottom Rail          |
| 31 | 13057  | Bottom Lock                      |
| 32 | 1088   | Bottom Lock Spring               |
| 33 | -      | Sash Top Guide Post              |
| 34 | -      | #8 x 3/4 Ph PH SS                |
| 35 | 13077  | Sash Top Guide (Left)            |
| 36 | 13076  | Sash Top Guide (Right)           |
| 37 | 13144  | Mounting Clip                    |
| 40 | 13078  | Sash Bottom Guide (Right)        |
| 41 | 13079  | Sash Bottom Guide (Left)         |
| 42 | 4029   | Balance Clip                     |
| 43 | 13059  | Top Lift Rail Cap (L & R)        |
| 44 | 13097  | Bottom Lift Rail Cap (Right)     |
| 45 | 13098  | Bottom Lift Rail Cap (Left)      |
| 46 | 13026  | Cap Screws 10-32 x 1/2 Hex       |
| 47 | 4029-1 | Caldwell Ultra-Lift Balance      |
| 49 | -      | #10 x 3/4 Ph PH SD SS            |
| 55 | 1279B  | Extruded Screen Frame            |
| 57 | 61816  | Screen Cloth                     |
| 58 | 1239A  | Top Corner Keys                  |
| 59 | 1632   | Bottom Corner Keys               |
| 60 | 1635   | Screen Spline                    |
| 61 | 1073   | Screen Spring                    |



NOTE:

FOR SMALL MISSILE  
APPLICATIONS ONLY

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 15-0612.10  
Expiration Date Dec. 6, 2017  
By *Manuel Diaz*  
Miami Dade Product Control



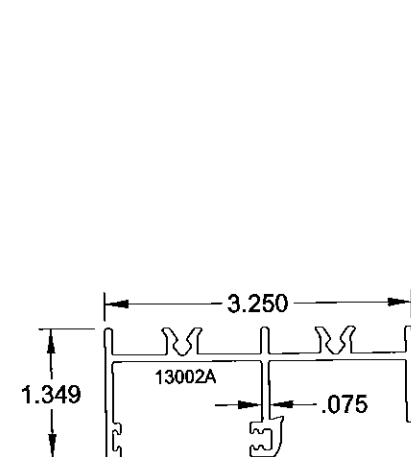
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| Revised By: | Date:    | Revisions:  |                       |
| J.R.        | 06/02/15 | C           | NO CHANGES THIS SHEET |
| Checked By: | Date:    | Checked By: | Date:                 |
| J.R.        | 07/12/07 | J.R.        | 7/13/07               |

1070 TECHNOLOGY DRIVE  
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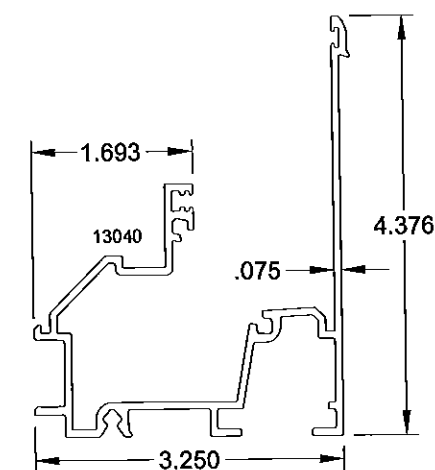


|               |                                     |        |     |         |
|---------------|-------------------------------------|--------|-----|---------|
| Description:  | PARTS LIST & FRAME CORNER DETAIL    |        |     |         |
| Title:        | ALUM. SINGLE HUNG WINDOW, IMP. (SM) |        |     |         |
| Series/Model: | SH3000                              | Scale: | NTS | Sheet:  |
|               |                                     |        |     | 4 of 11 |
| Drawing No.   | 3000A-7-07                          | Rev.   | C   |         |

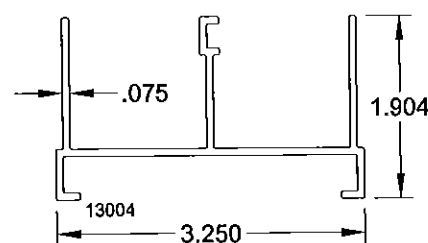
**NOTE:**  
FOR SMALL MISSILE  
APPLICATIONS ONLY



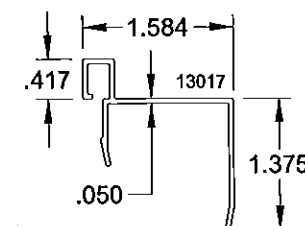
1 FRAME HEAD



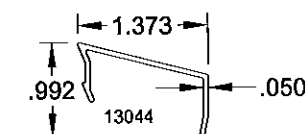
2 FRAME SILL



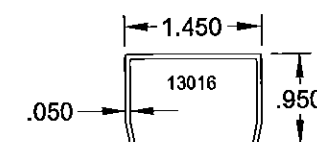
3 FRAME JAMB



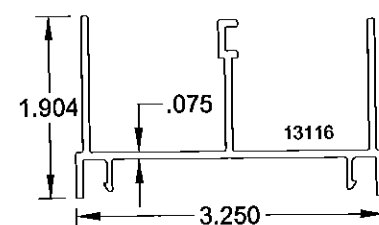
4 JAMB TRIM COVER/  
SASH STOP



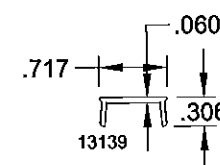
5 HEAD SCREW  
COVER



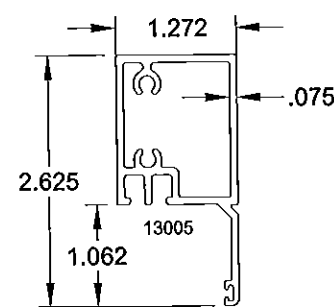
6 BALANCE COVER



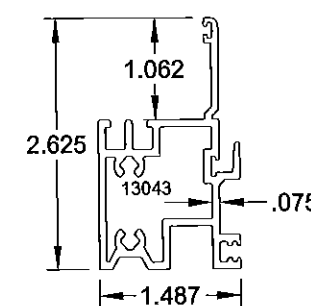
7 FEMALE JAMB



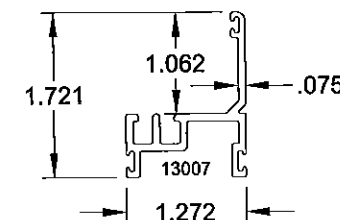
9 TRACK COVER



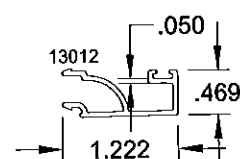
13 TOP SASH  
TOP RAIL



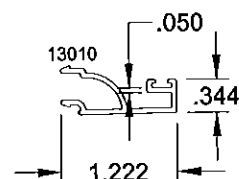
14 TOP SASH  
BOTTOM RAIL



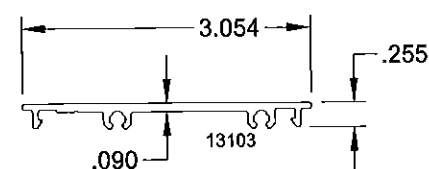
15 SASH SIDE RAIL



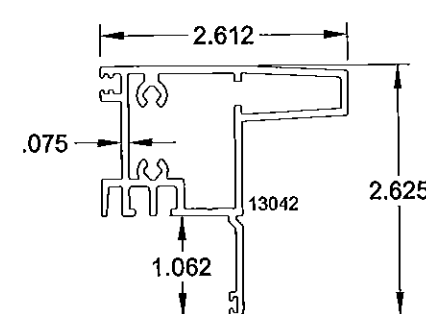
16 BEADING 7/16



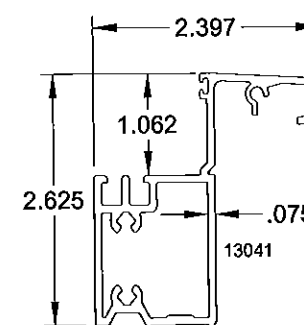
17 BEADING 9/16



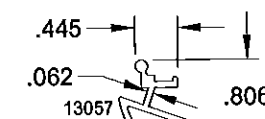
20 ANCHOR PLATE



28 BOTTOM SASH  
BOTTOM RAIL

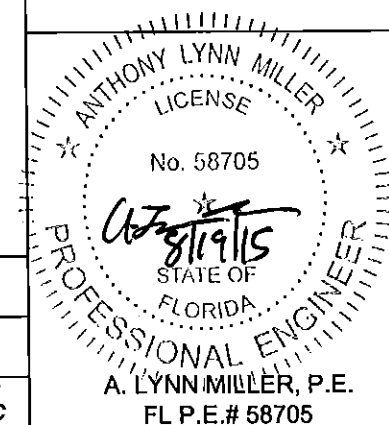


29 BOTTOM SASH  
BOTTOM RAIL



31 BOTTOM LOCK

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0612-10  
Expiration Date Dec. 6, 2017  
By *Manuel Perez*  
Miami Dade Product Control



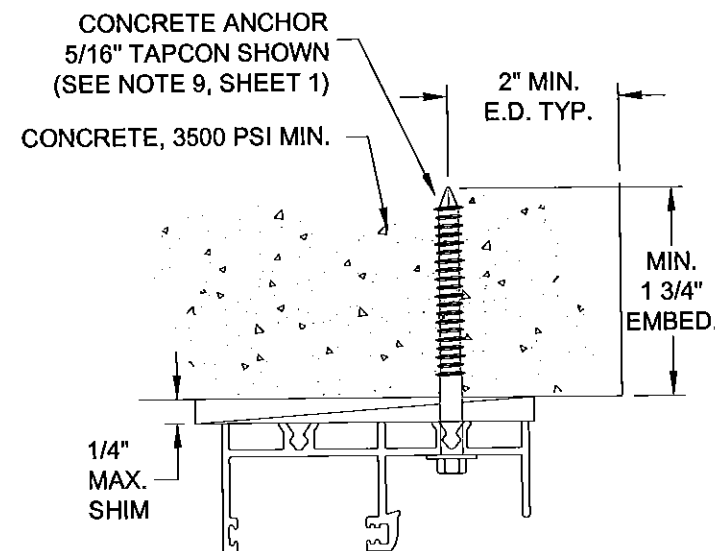
|             |          |             |         |
|-------------|----------|-------------|---------|
| Revised By: | Date:    | Revisions:  |         |
| Revised By: | Date:    | Revisions:  |         |
| Revised By: | Date:    | Revisions:  |         |
| Revised By: | Date:    | Revisions:  |         |
| Drawn By:   | Date:    | Checked By: | Date:   |
| J.R.        | 06/02/15 | C           | 7/13/07 |
| J.R.        | 07/12/07 | J.R.        | 7/13/07 |

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274



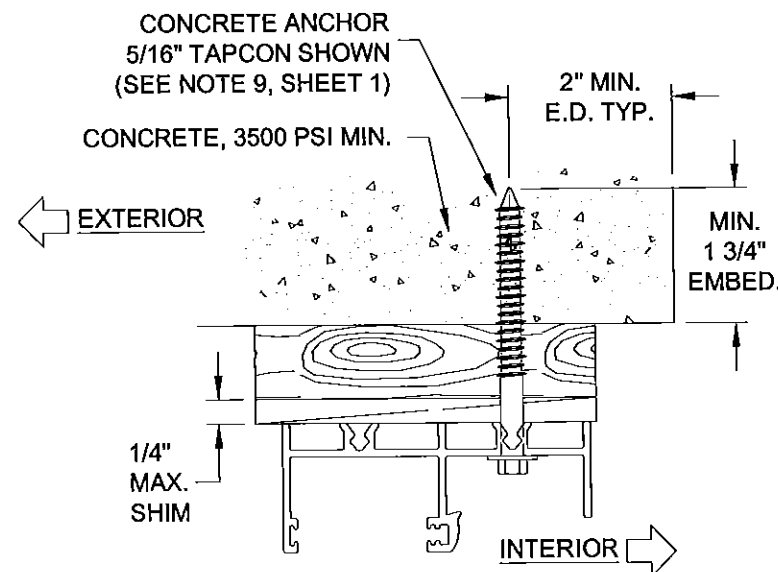
|               |                                     |
|---------------|-------------------------------------|
| Description:  | EXTRUSIONS                          |
| Title:        | ALUM. SINGLE HUNG WINDOW, IMP. (SM) |
| Series/Model: | SH3000                              |
| Scale:        | 1/2                                 |
| Sheet:        | 5 of 11                             |
| Drawing No.   | 3000A-7-07                          |
| Rev:          | C                                   |

NOTE:  
FOR SMALL MISSILE  
APPLICATIONS ONLY



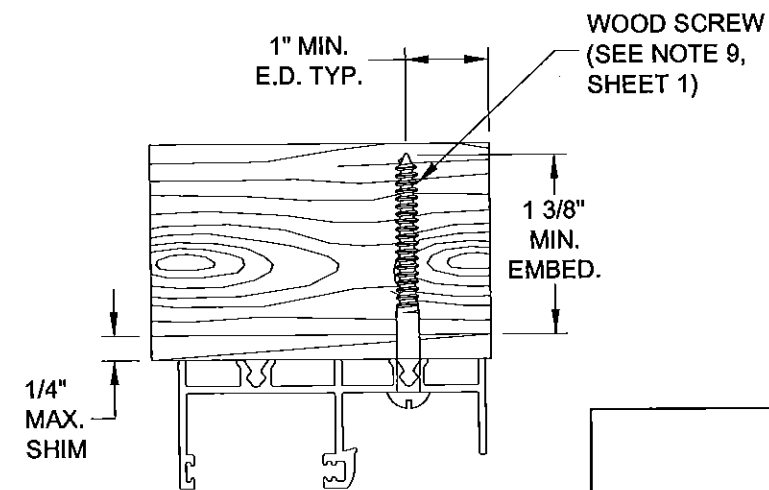
DETAIL A

CONCRETE OR CONCRETE BLOCK SUBSTRATE



DETAIL B

CONCRETE OR CONCRETE BLOCK SUBSTRATE  
WITH 1X WOOD BUCK, SEE NOTE 1



DETAIL C

2X WOOD BUCK OR DIRECTLY INTO  
WOOD FRAMING, SEE NOTE 1

TYPICAL HEAD ANCHORAGE

NOTES:

1. WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 1x WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.

2. FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/8" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME SIMILAR TO THAT SHOWN IN THESE DETAILS FOR 2x WOOD BUCKS. SHIMS MAY NOT BE USED. THE ANCHOR SHALL BE A #14 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES, ANCHORAGE SPACING AND QUANTITIES FOR A #14 WOOD SCREW MAY BE USED.

3. ANCHORS ARE NOT REQUIRED AT THE SILL.

|             |          |             |                                        |
|-------------|----------|-------------|----------------------------------------|
| Revised By: | Date:    | Revisions:  |                                        |
| Revised By: | Date:    | Revisions:  |                                        |
| Revised By: | Date:    | Revisions:  |                                        |
| J.R.        | 06/02/15 | C           | CHANGED EDGE DISTANCE IN MASONRY TO 2" |
| Drawn By:   | Date:    | Checked By: | Date:                                  |
| J.R.        | 07/12/07 | J.R.        | 7/13/07                                |

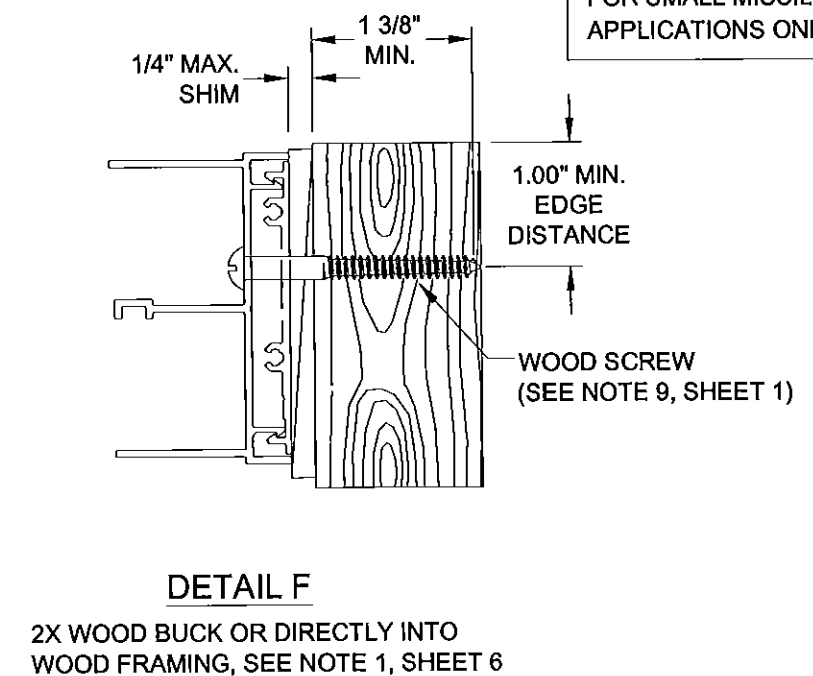
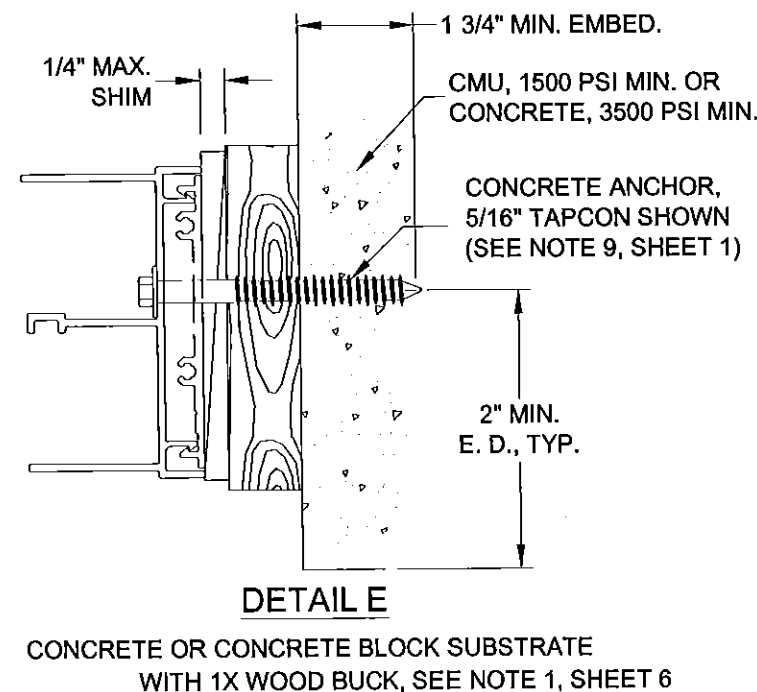
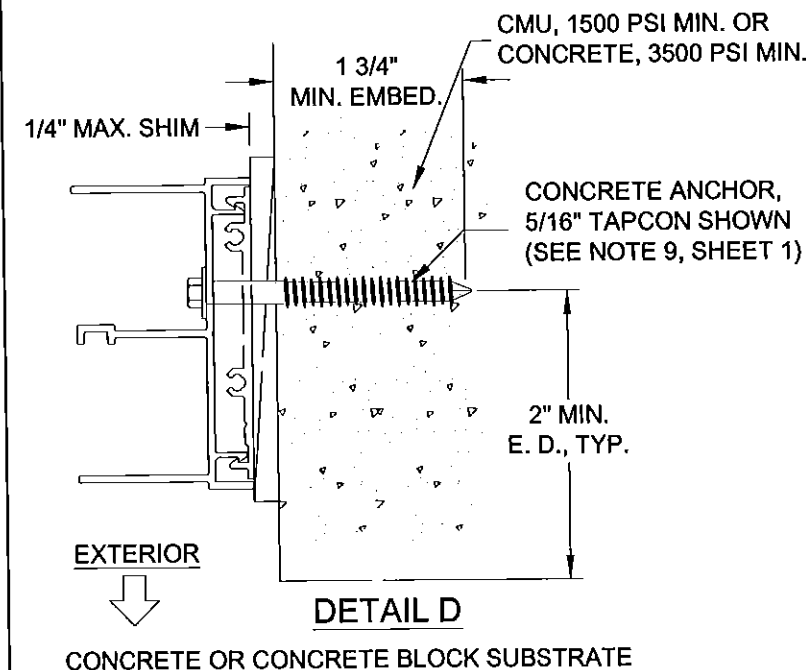
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274

**PGT**  
Visibly Better

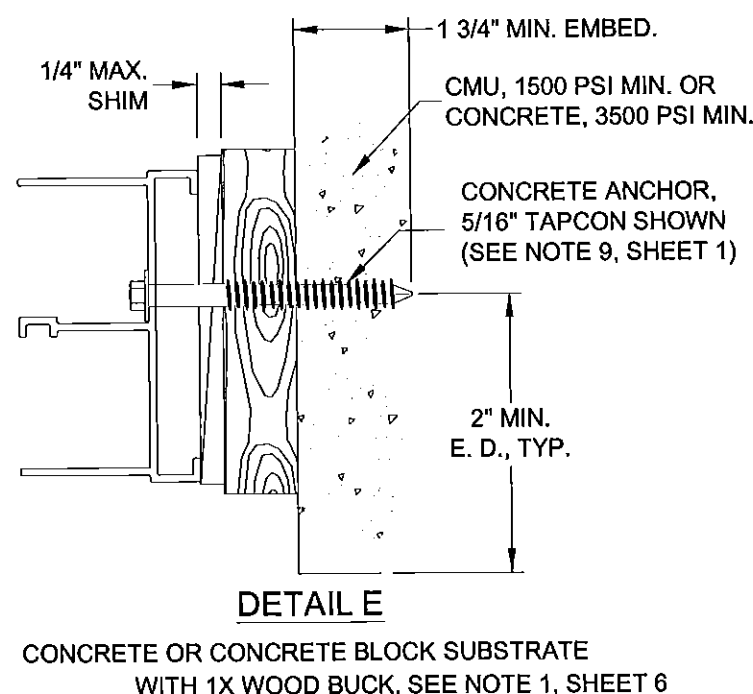
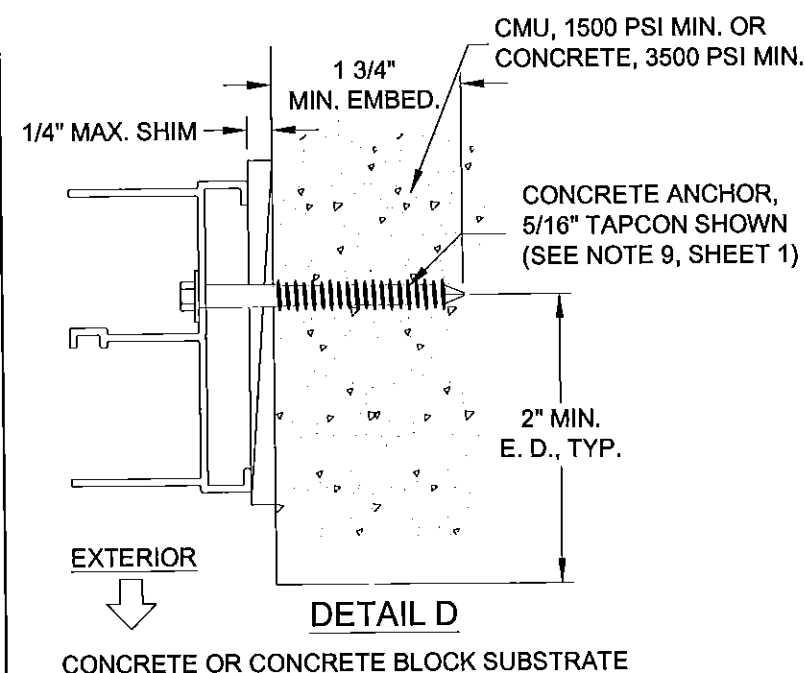
|               |                                     |        |     |            |
|---------------|-------------------------------------|--------|-----|------------|
| Description:  | ANCHORAGE DETAILS 1                 |        |     |            |
| Title:        | ALUM. SINGLE HUNG WINDOW, IMP. (SM) |        |     |            |
| Series/Model: | SH3000                              | Scale: | NTS | Sheet:     |
|               |                                     |        |     | 6 of 11    |
|               |                                     |        |     | 3000A-7-07 |
|               |                                     |        |     | Rev: C     |

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0612.10  
Expiration Date Dec. 6, 2017  
By *Manuel Perez*  
Miami Dade Product Control

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
A. LYNN MILLER, P.E.  
FL P.E.# 58705



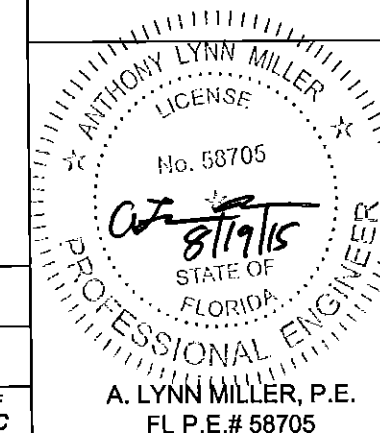
### TYPICAL JAMB ANCHORAGE WITH ANCHOR PLATE



**NOTE:**  
THE ANCHOR PLATE MUST BE USED WHEN INSTALLING INTO WOOD.

### TYPICAL JAMB ANCHORAGE WITHOUT ANCHOR PLATE

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0612.10  
Expiration Date Dec. 6, 2017  
By *Manuel Perez*  
Miami Dade Product Control



|             |          |             |                                        |
|-------------|----------|-------------|----------------------------------------|
| Revised By: | Date:    | Revisions:  |                                        |
| Revised By: | Date:    | Revisions:  |                                        |
| Revised By: | Date:    | Revisions:  |                                        |
| J.R.        | 06/02/15 | C           | CHANGED EDGE DISTANCE IN MASONRY TO 2" |
| Drawn By:   | Date:    | Checked By: | Date:                                  |
| J.R.        | 07/12/07 | J.R.        | 7/13/07                                |

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|               |                                     |        |         |            |
|---------------|-------------------------------------|--------|---------|------------|
| Description:  | ANCHORAGE DETAILS 2                 |        |         |            |
| Title:        | ALUM. SINGLE HUNG WINDOW, IMP. (SM) |        |         |            |
| Series/Model: | SH3000                              | Scale: | NTS     | Sheet:     |
|               |                                     |        | 7 of 11 | 3000A-7-07 |
| Rev:          | C                                   |        |         |            |

**TABLE 3. HEAD AND JAMB ANCHOR QUANTITIES FOR DESIGN PRESSURES OF +110/-165 PSF OR LESS**

**NOTE:**

FOR SMALL MISSILE  
APPLICATIONS ONLY

| WINDOW<br>WIDTH | WINDOW HEIGHT              |                                 |                                 |                                |                            |                                 |                                 |                                |                            |                                 |                                 |                                |                            |                                 |                                 |                                |                            |                                 |                                 |                                |                            |                                 |                                 |                                |
|-----------------|----------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------|---------------------------------|---------------------------------|--------------------------------|
|                 | 36                         |                                 |                                 |                                | 48                         |                                 |                                 |                                | 60                         |                                 |                                 |                                | 72                         |                                 |                                 |                                | 84                         |                                 |                                 |                                | 96                         |                                 |                                 |                                |
|                 | 1, Wood w/<br>Anchor Plate | 2, Concrete w/o<br>Anchor Plate | 2a, Concrete w/<br>Anchor Plate | 3, Concrete w/<br>Anchor Plate | 1, Wood w/<br>Anchor Plate | 2, Concrete w/o<br>Anchor Plate | 2a, Concrete w/<br>Anchor Plate | 3, Concrete w/<br>Anchor Plate | 1, Wood w/<br>Anchor Plate | 2, Concrete w/o<br>Anchor Plate | 2a, Concrete w/<br>Anchor Plate | 3, Concrete w/<br>Anchor Plate | 1, Wood w/<br>Anchor Plate | 2, Concrete w/o<br>Anchor Plate | 2a, Concrete w/<br>Anchor Plate | 3, Concrete w/<br>Anchor Plate | 1, Wood w/<br>Anchor Plate | 2, Concrete w/o<br>Anchor Plate | 2a, Concrete w/<br>Anchor Plate | 3, Concrete w/<br>Anchor Plate | 1, Wood w/<br>Anchor Plate | 2, Concrete w/o<br>Anchor Plate | 2a, Concrete w/<br>Anchor Plate | 3, Concrete w/<br>Anchor Plate |
| 24              | 2<br>2                     | 2<br>2                          | 2<br>2                          | 2<br>2                         | 2<br>2                     | 2<br>3                          | 2<br>2                          | 2<br>2                         | 2<br>3                     | 2<br>3                          | 2<br>3                          | 2<br>3                         | 2<br>3                     | 2<br>3                          | 2<br>4                          | 2<br>3                         | 2<br>3                     | 2<br>3                          | 2<br>3                          | 2<br>3                         | 2<br>3                     | 2<br>3                          | 2<br>4                          | 2<br>4                         |
| 30              | 3<br>2                     | 3<br>2                          | 3<br>3                          | 3<br>2                         | 3<br>2                     | 3<br>3                          | 3<br>2                          | 3<br>2                         | 3<br>3                     | 3<br>3                          | 3<br>4                          | 3<br>3                         | 3<br>3                     | 3<br>3                          | 3<br>4                          | 3<br>3                         | 3<br>3                     | 3<br>4                          | 3<br>5                          | 3<br>3                         | 3<br>3                     | 3<br>4                          | 3<br>5                          | 3<br>4                         |
| 36              | 3<br>2                     | 3<br>2                          | 3<br>3                          | 3<br>2                         | 3<br>3                     | 3<br>4                          | 3<br>3                          | 4<br>3                         | 3<br>3                     | 3<br>4                          | 3<br>5                          | 3<br>3                         | 4<br>3                     | 3<br>3                          | 3<br>4                          | 4<br>3                         | 3<br>3                     | 3<br>3                          | 3<br>4                          | 3<br>5                         | 4<br>3                     | 3<br>3                          | 3<br>4                          | 4<br>3                         |
| 42              | 4<br>2                     | 4<br>2                          | 4<br>4                          | 4<br>2                         | 4<br>3                     | 4<br>5                          | 4<br>3                          | 5<br>3                         | 4<br>3                     | 4<br>4                          | 4<br>6                          | 4<br>3                         | 4<br>3                     | 4<br>5                          | 4<br>7                          | 4<br>3                         | 4<br>4                     | 4<br>6                          | 4<br>8                          | 4<br>4                         | 6<br>5                     | 4<br>7                          | 4<br>9                          | 6<br>5                         |
| 48              | 4<br>2                     | 4<br>3                          | 4<br>4                          | 5<br>3                         | 4<br>4                     | 4<br>5                          | 4<br>4                          | 6<br>3                         | 4<br>3                     | 4<br>4                          | 4<br>7                          | 4<br>3                         | 7<br>3                     | 4<br>4                          | 4<br>6                          | 4<br>3                         | 4<br>5                     | 4<br>6                          | 4<br>7                          | 8<br>5                         | 4<br>7                     | 4<br>8                          | 4<br>10                         | 8<br>5                         |
| 54              | 4<br>2                     | 4<br>3                          | 4<br>5                          | 6<br>3                         | 4<br>3                     | 4<br>6                          | 4<br>3                          | 7<br>4                         | 4<br>3                     | 4<br>5                          | 4<br>8                          | 4<br>3                         | 8<br>3                     | 5<br>4                          | 5<br>6                          | 5<br>4                         | 5<br>5                     | 5<br>6                          | 5<br>7                          | 10<br>5                        | 5<br>6                     | 5<br>8                          | 5<br>11                         | 10<br>6                        |
| 56              | 4<br>2                     | 4<br>3                          | 4<br>5                          | 6<br>3                         | 4<br>3                     | 4<br>6                          | 4<br>3                          | 7<br>4                         | 5<br>3                     | 4<br>5                          | 4<br>8                          | 4<br>3                         | 9<br>3                     | 5<br>4                          | 5<br>6                          | 5<br>4                         | 6<br>5                     | 5<br>6                          | 5<br>7                          | 10<br>5                        | 6<br>6                     | 5<br>8                          | 5<br>12                         | 10<br>6                        |

**ANCHORAGE NOTES:**

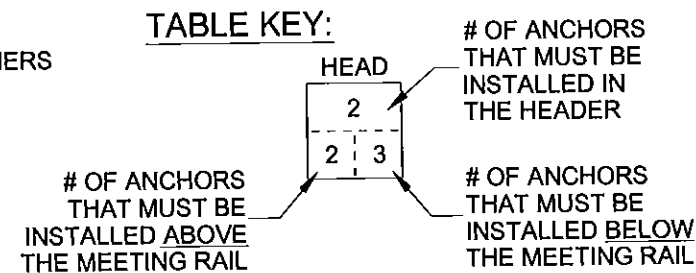
### 1. ANCHOR TYPES:

- ANCHOR TYPES:
- 1 - #14 WOOD SCREW, STEEL (G5) & JAMB ANCHOR PLATE, ITEM 20 (FEMALE JAMB, ITEM 7)
  - 2 - 5/16" ELCO TAPCONS W/O JAMB ANCHOR PLATE
  - 2a - 5/16" ELCO TAPCONS & JAMB ANCHOR PLATE, ITEM 20 (FEMALE JAMB, ITEM 7)
  - 3 - 1/4" ELCO TAPCONS & JAMB ANCHOR PLATE, ITEM 20 (FEMALE JAMB, ITEM 7)

2. ANCHOR LOCATIONS ARE BASED ON THE FOLLOWING TESTED DIMENSIONS AT FULL DP.

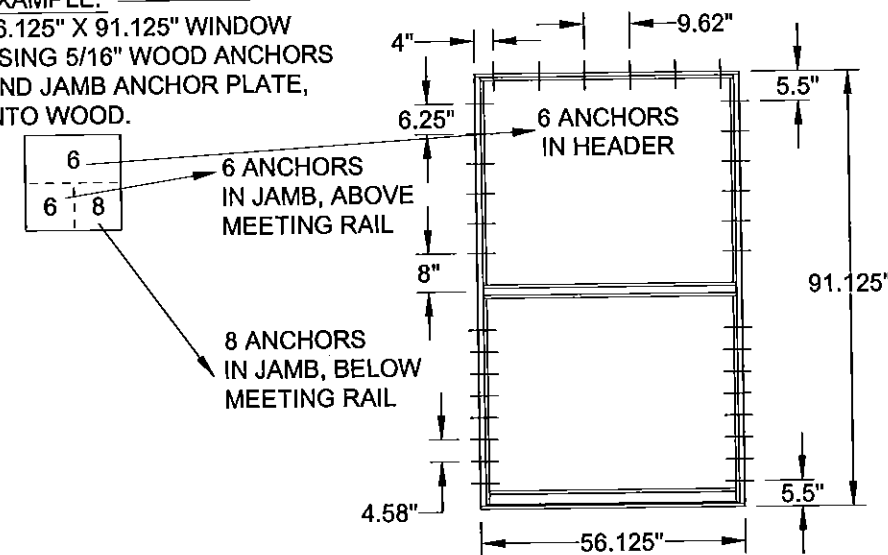
HEAD - 4" MAX. FROM TOP CORNERS  
16" MAX ANCHOR TO ANCHOR  
JAMBS - 5 1/2" MAX. FROM TOP/BOTTOM CORNERS  
16" MAX ANCHOR TO ANCHOR  
8" MAX. ABOVE/BELOW MTG. RAIL  
SILL - ANCHORS NOT REQUIRED.

TABLE KEY:

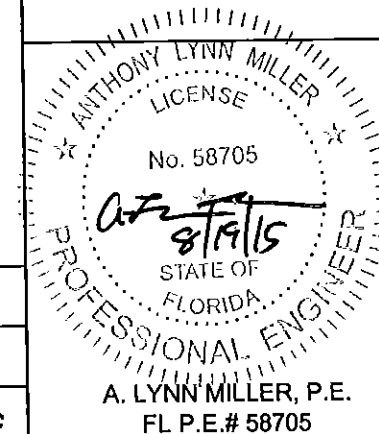


**EXAMPLE:**

56.125" X 91.125" WINDOW  
USING 5/16" WOOD ANCHORS  
AND JAMB ANCHOR PLATE,  
INTO WOOD.



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0612.10  
Expiration Date Dec. 6, 2017  
By Manuel Perez  
Miami Dade Product Control



|             |          |             |                       |
|-------------|----------|-------------|-----------------------|
| Revised By: | Date:    | Revisions:  |                       |
| Revised By: | Date:    | Revisions:  |                       |
| Revised By: | Date:    | Revisions:  |                       |
| J.R.        | 06/02/15 | C           | NO CHANGES THIS SHEET |
| Drawn By:   | Date:    | Checked By: | Date:                 |
| J.R.        | 07/12/07 | J.R.        | 7/13/07               |

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275

P.O. BOX 1529  
NOKOMIS, FL 34274

**PGT**  
*Visibly Better*

|  |                     |
|--|---------------------|
|  | <b>Description:</b> |
|--|---------------------|

## ANCHORAGE QUANTITIES

Title:

**ALUM. SINGLE HUNG WINDOW, IMP. (SM)**

Series/Model:  
SH3000

Scale:  
**NTS**

Sheet  
8 of 11

Drawing No. 3000A-7-07

|      |   |
|------|---|
| Rev: | C |
|------|---|

A. LYNN MILLER, P.E.  
FL P.E.# 58705

FOR SMALL MISSILE  
APPLICATIONS ONLY

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

ALM  
8/19/15

A. LYNN MILLER, P.E.  
FL P.E.# 58705

## NOTE:

FOR SMALL MISSILE  
APPLICATIONS ONLY

TABLE 5. HEAD AND JAMB ANCHOR QUANTITIES FOR DESIGN PRESSURES OF +110/-135 PSF OR LESS

| WINDOW<br>WIDTH | WINDOW HEIGHT              |                                 |                                 |                                |                            |                                 |                                 |                                |                            |                                 |                                 |                                |                            |                                 |                                 |                                |                            |                                 |                                 |                                |
|-----------------|----------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------|---------------------------------|---------------------------------|--------------------------------|
|                 | 36                         |                                 |                                 |                                | 48                         |                                 |                                 |                                | 60                         |                                 |                                 |                                | 72                         |                                 |                                 |                                | 84                         |                                 |                                 |                                |
|                 | 1, Wood w/<br>Anchor Plate | 2, Concrete w/o<br>Anchor Plate | 2a, Concrete w/<br>Anchor Plate | 3, Concrete w/<br>Anchor Plate | 1, Wood w/<br>Anchor Plate | 2, Concrete w/o<br>Anchor Plate | 2a, Concrete w/<br>Anchor Plate | 3, Concrete w/<br>Anchor Plate | 1, Wood w/<br>Anchor Plate | 2, Concrete w/o<br>Anchor Plate | 2a, Concrete w/<br>Anchor Plate | 3, Concrete w/<br>Anchor Plate | 1, Wood w/<br>Anchor Plate | 2, Concrete w/o<br>Anchor Plate | 2a, Concrete w/<br>Anchor Plate | 3, Concrete w/<br>Anchor Plate | 1, Wood w/<br>Anchor Plate | 2, Concrete w/o<br>Anchor Plate | 2a, Concrete w/<br>Anchor Plate | 3, Concrete w/<br>Anchor Plate |
| 24              | 2                          | 2                               | 2                               | 2                              | 2                          | 2                               | 2                               | 2                              | 2                          | 2                               | 2                               | 2                              | 2                          | 2                               | 2                               | 2                              | 2                          | 2                               | 2                               | 2                              |
| 30              | 3                          | 3                               | 3                               | 3                              | 3                          | 3                               | 3                               | 3                              | 3                          | 3                               | 3                               | 3                              | 3                          | 3                               | 3                               | 3                              | 3                          | 3                               | 3                               | 3                              |
| 36              | 3                          | 3                               | 3                               | 3                              | 3                          | 3                               | 3                               | 3                              | 3                          | 3                               | 3                               | 4                              | 3                          | 3                               | 3                               | 4                              | 3                          | 3                               | 3                               | 4                              |
| 42              | 4                          | 4                               | 4                               | 4                              | 4                          | 4                               | 4                               | 4                              | 4                          | 4                               | 4                               | 5                              | 4                          | 4                               | 4                               | 5                              | 4                          | 4                               | 4                               | 5                              |
| 48              | 4                          | 4                               | 4                               | 4                              | 4                          | 4                               | 4                               | 5                              | 4                          | 4                               | 4                               | 6                              | 4                          | 4                               | 4                               | 6                              | 4                          | 4                               | 4                               | 7                              |
| 54              | 4                          | 4                               | 4                               | 5                              | 4                          | 4                               | 4                               | 6                              | 4                          | 4                               | 4                               | 7                              | 4                          | 4                               | 4                               | 7                              | 4                          | 4                               | 4                               | 8                              |
| 56              | 4                          | 4                               | 4                               | 5                              | 4                          | 4                               | 4                               | 6                              | 4                          | 4                               | 4                               | 7                              | 4                          | 4                               | 4                               | 8                              | 5                          | 4                               | 4                               | 9                              |

## ANCHORAGE NOTES:

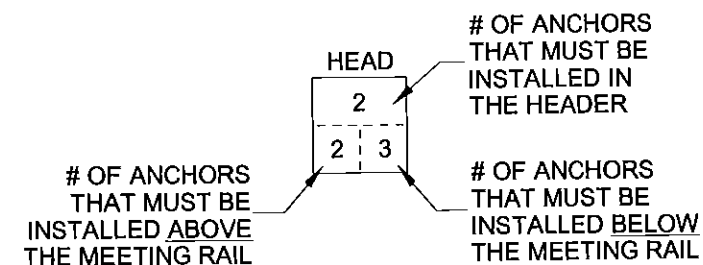
## 1. ANCHOR TYPES:

- 1 - #14 WOOD SCREW, STEEL (G5) & JAMB ANCHOR PLATE, ITEM 20 (FEMALE JAMB, ITEM 7)
- 2 - 5/16" ELCO TAPCONS W/O JAMB ANCHOR PLATE
- 2a - 5/16" ELCO TAPCONS & JAMB ANCHOR PLATE, ITEM 20 (FEMALE JAMB, ITEM 7)
- 3 - 1/4" ELCO TAPCONS & JAMB ANCHOR PLATE, ITEM 20 (FEMALE JAMB, ITEM 7)

## 2. ANCHOR LOCATIONS ARE BASED ON THE FOLLOWING TESTED DIMENSIONS AT FULL DP.

HEAD - 4" MAX. FROM TOP CORNERS  
16" MAX ANCHOR TO ANCHOR  
JAMBS - 5 1/2" MAX. FROM TOP/BOTTOM CORNERS  
16" MAX ANCHOR TO ANCHOR  
8" MAX. ABOVE/BELOW MTG. RAIL  
SILL - ANCHORS NOT REQUIRED.

## TABLE KEY:



|             |          |             |
|-------------|----------|-------------|
| Revised By: | Date:    | Revisions:  |
| Revised By: | Date:    | Revisions:  |
| Revised By: | Date:    | Revisions:  |
| J.R.        | 06/02/15 | C           |
| Drawn By:   | Date:    | Checked By: |
| J.R.        | 07/12/07 | J.R.        |

NO CHANGES THIS SHEET

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274

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Description:

ANCHORAGE 1/4"

Title:

ALUM. SINGLE HUNG WINDOW, IMP. (SM)

Series/Model:

SH3000

Scale:

NTS

Sheet:

10 of 11

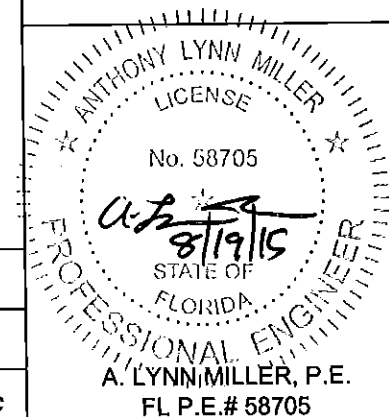
Drawing No.

3000A-7-07

Rev:

C

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By *Manuel Perez*  
Miami Dade Product Control



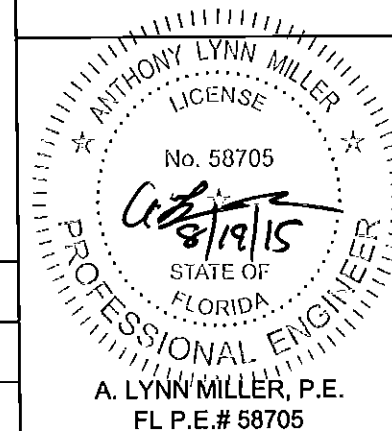
NOTE:  
FOR SMALL MISSILE  
APPLICATIONS ONLY

| EGRESS OPENINGS FOR 1/1 WINDOWS |                 |               |    |                      |    |    |                                      |    |    |    |                                      |    |    | TABLE 6. |
|---------------------------------|-----------------|---------------|----|----------------------|----|----|--------------------------------------|----|----|----|--------------------------------------|----|----|----------|
|                                 |                 | WINDOW HEIGHT |    |                      |    |    |                                      |    |    |    |                                      |    |    |          |
|                                 |                 | 68            | 70 | 72                   | 74 | 76 | 78                                   | 80 | 82 | 84 | 86                                   | 88 | 90 | 92       |
| WINDOW WIDTH                    | 24.625          |               |    |                      |    |    |                                      |    |    |    |                                      |    |    |          |
|                                 | 26              |               |    | Does not meet Egress |    |    |                                      |    |    |    |                                      |    |    |          |
|                                 | 28              |               |    |                      |    |    |                                      |    |    |    |                                      |    |    |          |
|                                 | 30              |               |    |                      |    |    | Meets Egress for 5.0 ft <sup>2</sup> |    |    |    |                                      |    |    |          |
|                                 | 32              |               |    |                      |    |    |                                      |    |    |    |                                      |    |    |          |
|                                 | 34              |               |    |                      |    |    |                                      |    |    |    |                                      |    |    |          |
|                                 | 36              |               |    |                      |    |    |                                      |    |    |    | Meets Egress for 5.7 ft <sup>2</sup> |    |    |          |
|                                 | 38              |               |    |                      |    |    |                                      |    |    |    |                                      |    |    |          |
|                                 | 40<br>& Greater |               |    |                      |    |    |                                      |    |    |    |                                      |    |    |          |

EGRESS NOTES:

FLORIDA BUILDING CODE, REQUIRES 20" IN WIDTH, 24" IN HEIGHT, AND 5.7 SQUARE FEET OF CLEAR OPENING (5.0 SQUARE FEET ON GROUND FLOOR), TO MEET EGRESS REQUIREMENTS.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 15-0612.10  
Expiration Date Dec 6, 2017  
By *Manuel Perez*  
Miami Dade Product Control



|                  |                |                  |                       |
|------------------|----------------|------------------|-----------------------|
| Revised By:      | Date:          | Revisions:       |                       |
| Revised By:      | Date:          | Revisions:       |                       |
| Revised By: J.R. | Date: 06/02/15 | Revisions: C     | NO CHANGES THIS SHEET |
| Drawn By: J.R.   | Date: 07/12/07 | Checked By: J.R. | Date: 7/13/07         |

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274



|                                                      |               |                    |                           |
|------------------------------------------------------|---------------|--------------------|---------------------------|
| Description:<br><b>EGRESS CHART</b>                  |               |                    |                           |
| Title:<br><b>ALUM. SINGLE HUNG WINDOW, IMP. (SM)</b> |               |                    |                           |
| Series/Model:<br>SH3000                              | Scale:<br>NTS | Sheet:<br>11 of 11 | Drawing No.<br>3000A-7-07 |
|                                                      |               |                    | Rev:<br>C                 |