



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-700" Aluminum Single Hung Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **4040-20**, titled "Alum. Single Hung Window, Impact", sheets 1 through 11 of 11, dated 09/01/05, with revision F dated 05/05/16, 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:** Large and 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# **15-0519.08** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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



*MP*  
*8/12/16*

NOA No. 16-0714.06  
Expiration Date: March 26, 2021  
Approval Date: August 18, 2016  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under NOA No. 05-1018.01 and 07-0322.06)*
2. Drawing No **4040-20**, titled "Alum. Single Hung Window, Impact", sheets 1 through 11 of 11, dated 09/01/05, with revision F dated 05/15/16, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

**B. TESTS**

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a PVC sliding glass door, a PVC fixed window and an aluminum sliding glass door, using: Kodispace 4SG TPS spacer system, Duraseal® spacer system, Super Spacer® NXT™ spacer system and XL Edge™ spacer system at insulated glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-8717**, **FTL-8968** and **FTL-8970**, dated 11/16/15, 06/07/16 and 06/02/16 respectively, all signed and sealed by Idalmis Ortega, P.E.
2. 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) Large 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, TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum single hung window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4957**, dated 10/03/06, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under NOA No.07-0322.06)*
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum single hung window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-4958** and **FTL-5063**, dated 10/03/06 and 11/21/06, both signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under NOA No.07-0322.06)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 16-0714.06

Expiration Date: March 26, 2021  
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**B. TESTS (CONTINUED)**

4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum single hung window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4645**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under NOA No. 07-0322.06)*
5. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum single hung window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-4649** and **FTL-4723**, dated 10/05/05 and 08/11/05, both signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under NOA No. 05-1018.01)*
6. 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, TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum single hung window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-4947** and **FTL-4650**, dated 08/11/05, both signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under NOA No.05-1018.01)*
7. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
..2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum single hung window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-4948** and **FTL-4646**, dated 08/10/05, both signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under NOA No.05-1018.01)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 16-0714.06  
Expiration Date: March 26, 2021  
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**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated 05/12/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.  
*(Submitted under previous NOA No. 15-0519.08)*
2. Glazing complies with **ASTM E1300-09**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **14-0423.17** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 06/19/14, expiring on 05/21/16.
2. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "**Kuraray Butacite® PVB Glass Interlayer**" dated 04/25/15, expiring on 12/11/16.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated May 16, 2015, issued by manufacturer, signed and sealed by A. Lynn Miller, P.E.  
*(Submitted under previous NOA No. 15-0519.08)*
2. Statement letter of no financial interest, dated May 16, 2015, issued by manufacturer, signed and sealed by A. Lynn Miller, P.E.  
*(Submitted under previous NOA No. 15-0519.08)*
3. Laboratory compliance letter for Test Reports No. **FTL-4957, FTL-4958 and FTL-5063**, issued by Fenestration Testing Laboratory, Inc., dated 10/03/06, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under NOA No. 07-0322.06)*
4. Laboratory compliance letter for Test Reports No. **FTL-4649, FTL-4723, FTL-4947, FTL-4650, FTL- 4948 and FTL-4646**, issued by Fenestration Testing Laboratory, Inc., dated 08/10/05, signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under NOA No. 05-1018.01)*
5. Proposal No. **16-0125** issued by the Product Control Section, dated March 09, 2016, signed by Ishaq Chanda, P.E.

**G. OTHERS**

1. Notice of Acceptance No. **15-0519.08**, issued to PGT Industries for their Series "SH-700" Aluminum Single Hung Window - L.M.I., approved on 07/09/15 and expiring on 03/26/21.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 16-0714.06  
Expiration Date: March 26, 2021  
Approval Date: August 18, 2016

GENERAL NOTES: IMPACT SINGLE HUNG FLANGED AND INTEGRAL FIN WINDOWS

1. GLAZING OPTIONS: (SEE DETAILS ON SHEET 2)

- A. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .090" KURARAY BUTACITE® PVB (BY KURARAY AMERICA, INC.) OR .090" SAFLEX® PVB INTERLAYER (BY EASTMAN CHEMICAL COMPANY)
- B. 5/16" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .090" KURARAY BUTACITE® PVB (BY KURARAY AMERICA, INC.) OR .090" SAFLEX® PVB INTERLAYER (BY EASTMAN CHEMICAL COMPANY)
- C. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH A .090" KURARAY BUTACITE® PVB (BY KURARAY AMERICA, INC.) OR .090" SAFLEX® PVB INTERLAYER (BY EASTMAN CHEMICAL COMPANY)
- D. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH A .090" KURARAY BUTACITE® PVB (BY KURARAY AMERICA, INC.) OR .090" SAFLEX® PVB INTERLAYER (BY EASTMAN CHEMICAL COMPANY)
- E. 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH A .090" KURARAY BUTACITE® PVB (BY KURARAY AMERICA, INC.) OR .090" SAFLEX® PVB INTERLAYER (BY EASTMAN CHEMICAL COMPANY)
- F. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH A .090" KURARAY BUTACITE® PVB (BY KURARAY AMERICA, INC.) OR .090" SAFLEX® PVB INTERLAYER (BY EASTMAN CHEMICAL COMPANY)
- G. 13/16" LAMI IG: (1) LITE OF 1/8" TEMPERED GLASS, AN AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .090" KURARAY BUTACITE® PVB (BY KURARAY AMERICA, INC.) OR .090" SAFLEX® PVB INTERLAYER (BY EASTMAN CHEMICAL COMPANY)
- H. 13/16" LAMI IG: (1) LITE OF 1/8" TEMPERED GLASS, AN AIR SPACE AND 5/16" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .090" KURARAY BUTACITE® PVB (BY KURARAY AMERICA, INC.) OR .090" SAFLEX® PVB INTERLAYER (BY EASTMAN CHEMICAL COMPANY)
- I. 13/16" LAMI IG: (1) LITE OF 1/8" TEMPERED GLASS, AN AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH A .090" KURARAY BUTACITE® PVB (BY KURARAY AMERICA, INC.) OR .090" SAFLEX® PVB INTERLAYER (BY EASTMAN CHEMICAL COMPANY)
- J. 13/16" LAMI IG: (1) LITE OF 1/8" TEMPERED GLASS, AN AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH A .090" KURARAY BUTACITE® PVB (BY KURARAY AMERICA, INC.) OR .090" SAFLEX® PVB INTERLAYER (BY EASTMAN CHEMICAL COMPANY)
- K. 13/16" LAMI IG: (1) LITE OF 1/8" TEMPERED GLASS, AN AIR SPACE AND 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH A .090" KURARAY BUTACITE® PVB (BY KURARAY AMERICA, INC.) OR .090" SAFLEX® PVB INTERLAYER (BY EASTMAN CHEMICAL COMPANY)
- L. 13/16" LAMI IG: (1) LITE OF 1/8" TEMPERED GLASS, AN AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH A .090" KURARAY BUTACITE® PVB (BY KURARAY AMERICA, INC.) OR .090" SAFLEX® PVB INTERLAYER (BY EASTMAN CHEMICAL COMPANY)
- M. 13/16" LAMI IG: (1) LITE OF 1/8" ANNEALED GLASS, AN AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .090" KURARAY BUTACITE® PVB (BY KURARAY AMERICA, INC.) OR .090" SAFLEX® PVB INTERLAYER (BY EASTMAN CHEMICAL COMPANY)

2. CONFIGURATIONS: "OX" (1/1, VIEW AND RADIUS TOP, ALL W/ LOW OR HIGH SILL OPTION)

3. DESIGN PRESSURES: (SEE TABLES, SHEETS 3)

- A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300.
- B. POSITIVE DESIGN LOADS BASED ON WATER 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 8 THROUGH 11 FOR ANCHORAGE DETAILS.

5. SHUTTERS ARE NOT REQUIRED.

6. FRAME AND PANEL CORNERS SEALED WITH NARROW JOINT SEALANT OR GASKET.

7. REFERENCES: TEST REPORTS FTL-4645, FTL-4646, FTL-4647, FTL-4648, FTL-4649, FTL-4650, FTL-4651, FTL-4723, FTL-4957, FTL-4958 AND FTL-5063.  
ANSI/AF&PA NDS FOR WOOD CONSTRUCTION  
ALUMINUM DESIGN MANUAL

8. SERIES/MODEL DESIGNATION SH700, ALSO REFERRED TO AS SH701.

9. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

10. FOR INSULATED GLASS INSTALLATIONS IN THE HVHZ ABOVE 30 FT, ONLY GLAZING OPTIONS WITH TEMPERED CAPS (G-L) ARE ALLOWED.

STANDARDS USED:

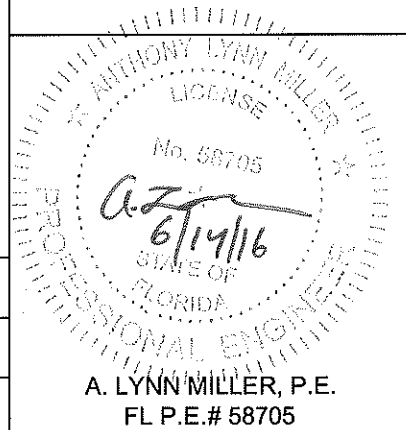
- 2014 FLORIDA BUILDING CODE (FBC), 5TH EDITION
- ASTM E1300-09
- ANSI/AF&PA NDS-2012 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2010
- AISI-S100-07/S2-2010

NOA DRAWING MAP

SHEET

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

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0714.06  
Expiration Date March 26, 2021  
By *Manuel Perez*  
Miami Dade Product Control

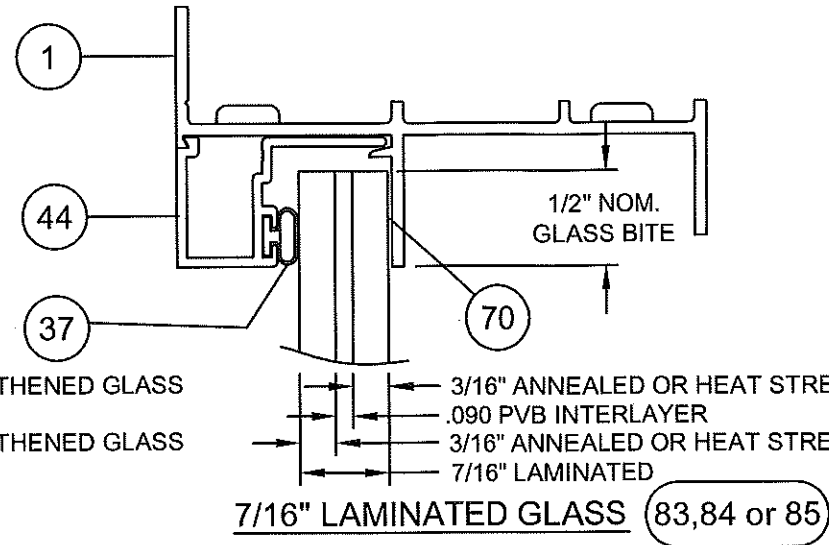
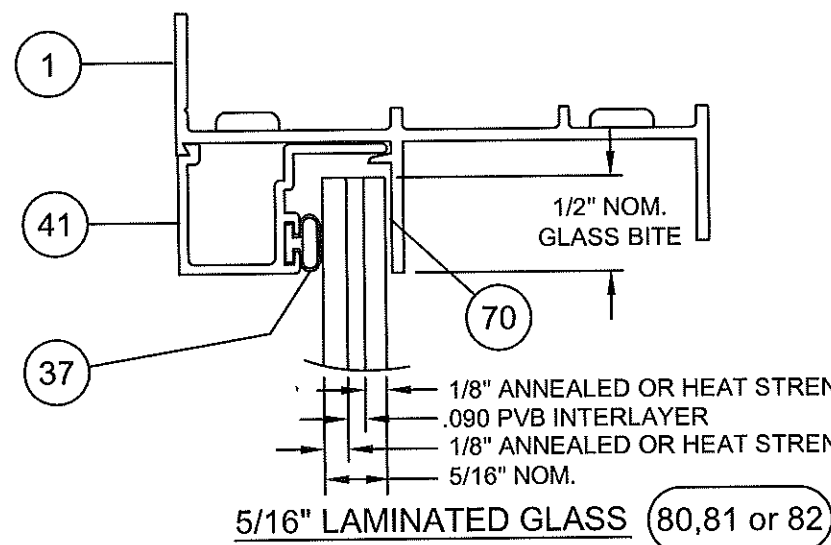


|             |          |             |                           |
|-------------|----------|-------------|---------------------------|
| Revised By: | Date:    | Revisions:  |                           |
| JR          | 05/05/16 | F           | ADDED SPACERS TO SHEET 2. |
| Revised By: | Date:    | Revisions:  |                           |
|             |          |             |                           |
| Revised By: | Date:    | Revisions:  |                           |
|             |          |             |                           |
| Drawn By:   | Date:    | Checked By: | Date:                     |
| F.K.        | 9/1/05   | J.J.        | 2/23/07                   |

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

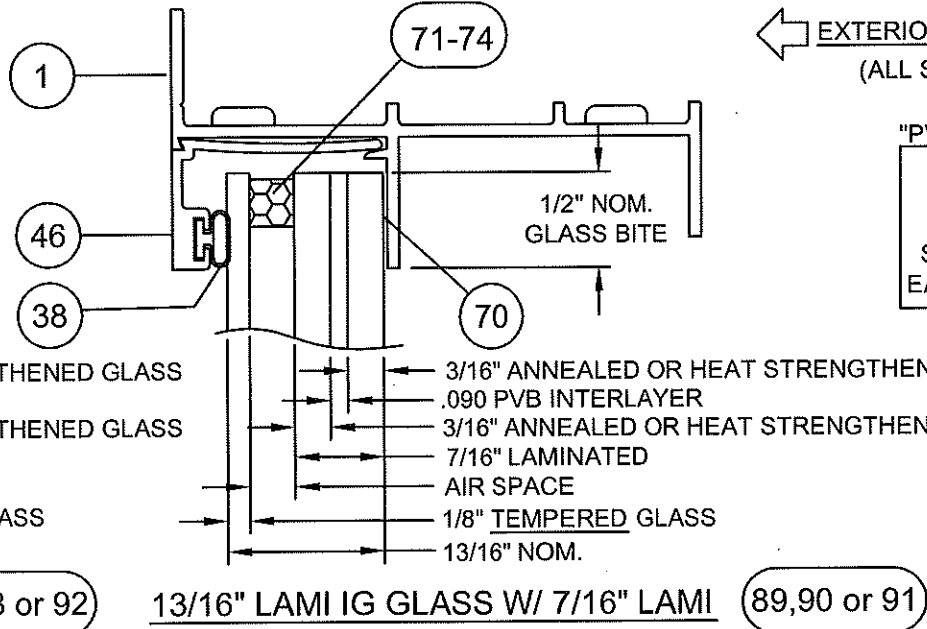
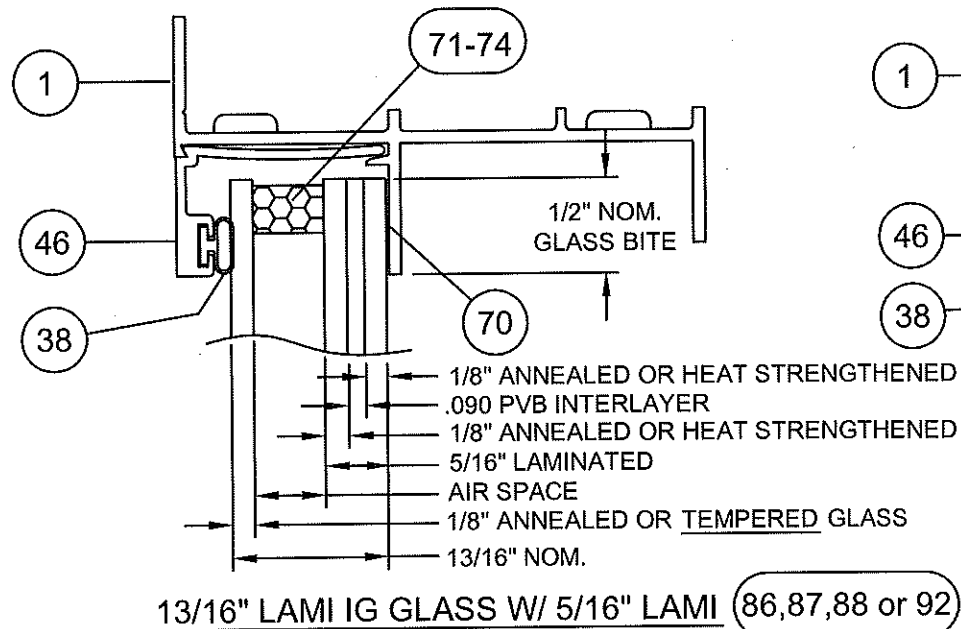


|                                                   |               |                   |                         |            |
|---------------------------------------------------|---------------|-------------------|-------------------------|------------|
| Description:<br><b>GENERAL NOTES</b>              |               |                   |                         |            |
| Title:<br><b>ALUM. SINGLE HUNG WINDOW, IMPACT</b> |               |                   |                         |            |
| Series/Model:<br>SH700                            | Scale:<br>NTS | Sheet:<br>1 of 11 | Drawing No.:<br>4040-20 | Rev.:<br>F |



| Part # | Description                                 | Material                     |
|--------|---------------------------------------------|------------------------------|
| 71     | Kommerling 4SG TPS Spacer System            | See this Sheet for Materials |
| 72     | Quanex Super Spacer nXT with Hot Melt Butyl |                              |
| 73     | Quanex Duraseal Spacer                      |                              |
| 74     | Cardinal XL Edge Spacer                     |                              |

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970

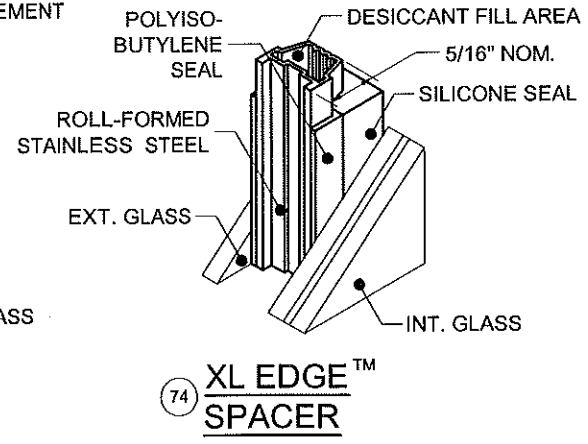
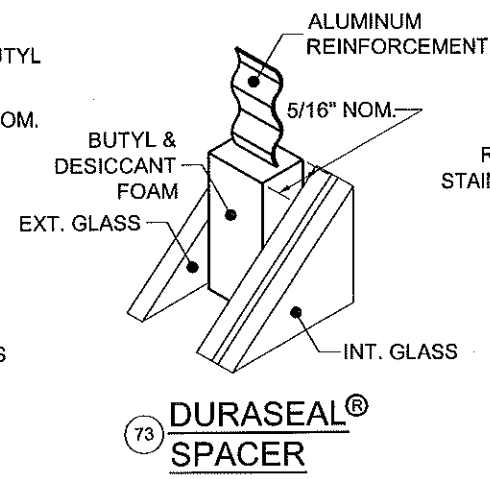
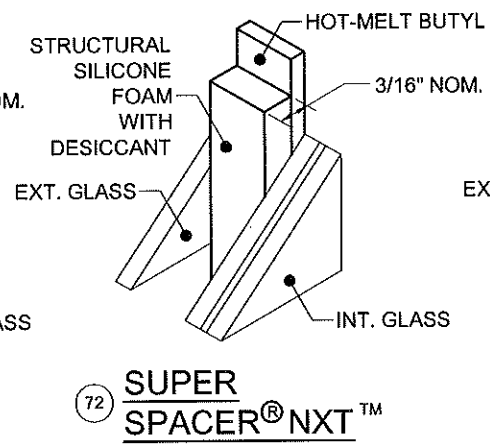
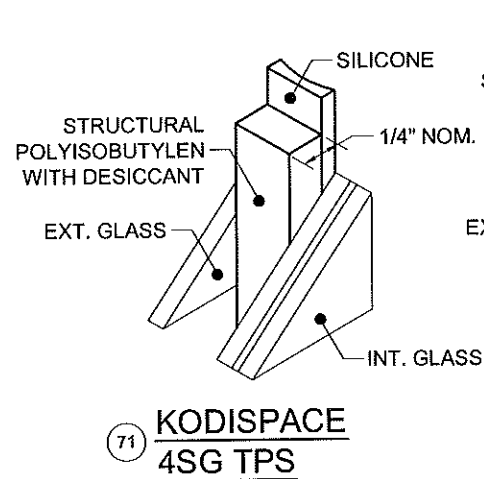


← EXTERIOR INTERIOR →  
(ALL SECTIONS)

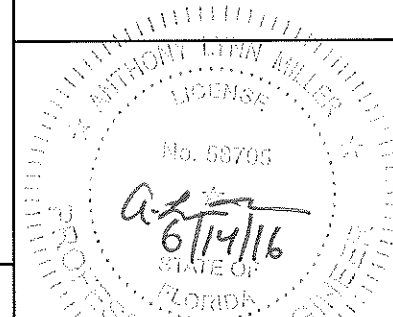
"PVB" =  
KURARAY BUTACITE®  
PVB INTERLAYER  
or  
SAFLEX® PVB INTERLAYER BY  
EASTMAN CHEMICAL COMPANY

**NOTE:**

LAMI IG OUTBOARD LITES MAY BE UPGRADED TO 3/16" WITH NO CHANGE IN DESIGN PRESSURE.



PRODUCT REVISED as complying with the Florida Building Code  
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By *Manuel Perez*  
Miami Dade Product Control



|                |                |                  |                |
|----------------|----------------|------------------|----------------|
| Revised By: JR | Date: 05/05/16 | Revisions: F     | ADDED SPACERS. |
| Revised By:    | Date:          | Revisions:       |                |
| Revised By:    | Date:          | Revisions:       |                |
| Drawn By: F.K. | Date: 9/1/05   | Checked By: J.J. | Date: 2/23/07  |

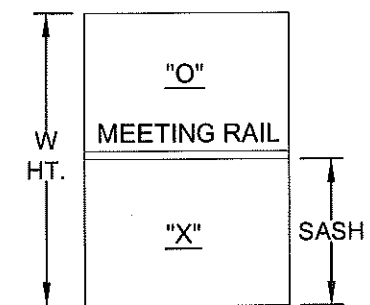
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274



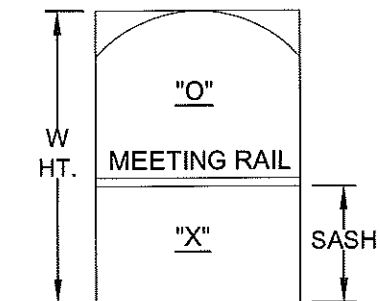
|                                         |             |                |                     |
|-----------------------------------------|-------------|----------------|---------------------|
| Description: GLAZING DETAILS            |             |                |                     |
| Title: ALUM. SINGLE HUNG WINDOW, IMPACT |             |                |                     |
| Series/Model: SH700                     | Scale: Full | Sheet: 2 of 11 | Drawing No. 4040-20 |
|                                         |             |                | Rev: F              |

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

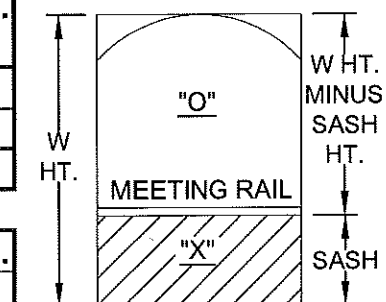
| 1/1 FLANGE OR INTEGRAL FIN WINDOWS W/ HIGH SILL OPTION<br>BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS |                     |               |       |       |       |       |       |       |       |       |       |       |       | TABLE 1. |       |
|---------------------------------------------------------------------------------------------------------------|---------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|
|                                                                                                               |                     | WINDOW HEIGHT |       |       |       |       |       |       |       |       |       |       |       |          |       |
|                                                                                                               |                     | 63"           |       | 66"   |       | 68"   |       | 70"   |       | 72"   |       | 74"   |       | 76"      |       |
| WIDTH                                                                                                         | GLASS TYPE          |               |       |       |       |       |       |       |       |       |       |       |       |          |       |
| 48"                                                                                                           | A,B,M               | +80.0         | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +80.0    | -80.0 |
| 50"                                                                                                           | A,B,M               | +80.0         | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +79.0    | -79.0 |
| 52"                                                                                                           | A,B,M               | +80.0         | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +78.8 | -78.8 | +77.3 | -77.3 | +75.9    | -75.9 |
| 53 1/8"                                                                                                       | A,B,M               | +80.0         | -80.0 | +80.0 | -80.0 | +79.6 | -79.6 | +78.2 | -78.2 | +76.9 | -76.9 | +75.4 | -75.4 | +74.0    | -74.0 |
| UP TO 53 1/8"                                                                                                 | C,D,E,F,G,H,I,J,K,L | +80.0         | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +80.0 | -80.0 | +80.0    | -80.0 |



| STANDARD VIEW & RADIUS TOP FLANGE OR INTEGRAL FIN WINDOWS W/ HIGH SILL OPTION |                     |               |       |       |       |         |       |       |       |       |       |       |       | TABLE 2. |       |
|-------------------------------------------------------------------------------|---------------------|---------------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|----------|-------|
| BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS                           |                     |               |       |       |       |         |       |       |       |       |       |       |       |          |       |
| WIDTH                                                                         | GLASS TYPE          | WINDOW HEIGHT |       |       |       |         |       |       |       |       |       |       |       |          |       |
|                                                                               |                     | 38 3/8"       |       | 44"   |       | 50 5/8" |       | 63"   |       | 72"   |       | 74"   |       | 76"      |       |
| 48"                                                                           | A,B,M               | +80.0         | -80.0 | +80.0 | -80.0 | +80.0   | -80.0 | +80.0 | -80.0 | +70.0 | -70.0 | +70.0 | -70.0 | +70.0    | -70.0 |
| 50"                                                                           | A,B,M               | +80.0         | -80.0 | +80.0 | -80.0 | +80.0   | -80.0 | +79.9 | -79.9 | +70.0 | -70.0 | +70.0 | -70.0 | +70.0    | -70.0 |
| 52"                                                                           | A,B,M               | +80.0         | -80.0 | +80.0 | -80.0 | +80.0   | -80.0 | +76.9 | -76.9 | +70.0 | -70.0 | +68.8 | -68.8 | +67.6    | -67.6 |
| 53 1/8"                                                                       | A,B,M               | +80.0         | -80.0 | +80.0 | -80.0 | +80.0   | -80.0 | +75.0 | -75.0 | +68.0 | -68.0 | +66.7 | -66.7 | +65.5    | -65.5 |
| UP TO 53 1/8"                                                                 | C,D,E,F,G,H,I,J,K,L | +80.0         | -80.0 | +80.0 | -80.0 | +80.0   | -80.0 | +80.0 | -80.0 | +70.0 | -70.0 | +70.0 | -70.0 | +70.0    | -70.0 |



| CUSTOM VIEW & RADIUS TOP FLANGE OR INTEGRAL FIN WINDOWS W/ HIGH SILL OPTION |                            |                                                                                              |       |           |       |          |       |         |       |          |       |           |       |         | TABLE 3. |           |       |
|-----------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------|-------|-----------|-------|----------|-------|---------|-------|----------|-------|-----------|-------|---------|----------|-----------|-------|
| BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS                         |                            |                                                                                              |       |           |       |          |       |         |       |          |       |           |       |         |          |           |       |
|                                                                             |                            | WINDOW HEIGHT MINUS SASH HEIGHT (MAX. WINDOW HT. W/ SASH = 76" FLANGED AND 75" INTEGRAL FIN) |       |           |       |          |       |         |       |          |       |           |       |         |          |           |       |
| WIDTH                                                                       | GLASS TYPE                 | 17 1/8"                                                                                      |       | 22 11/16" |       | 28 3/16" |       | 33 3/4" |       | 39 5/16" |       | 44 13/16" |       | 50 3/8" |          | 55 15/16" |       |
| 53 1/8"                                                                     | D,E,F,J,K,L <sup>4</sup> △ | +80.0                                                                                        | -80.0 | +80.0     | -80.0 | +80.0    | -80.0 | +80.0   | -80.0 | +70.0    | -70.0 | +70.0     | -70.0 | +70.0   | -70.0    | +70.0     | -70.0 |



| GLASS TYPES:                                                                | TEST REPORTS               | TABLE 4. |
|-----------------------------------------------------------------------------|----------------------------|----------|
| A. 5/16" LAMI - (1/8"A,.090,1/8"A)                                          | FTL-4647, 4648, 4723, 4957 |          |
| B. 5/16" LAMI - (1/8"A,.090,1/8"HS)                                         | FTL-4647, 4648             |          |
| C. 5/16" LAMI - (1/8"HS,.090,1/8"HS)                                        | FTL-4647, 4648             |          |
| D. 7/16" LAMI - (3/16"A,.090, 3/16"A)                                       | FTL-4645, 4885             |          |
| E. 7/16" LAMI - (3/16"A,.090, 3/16"HS)                                      | FTL-4645                   |          |
| F. 7/16" LAMI - (3/16"HS,.090, 3/16"HS)                                     | FTL-4645                   |          |
| G. 13/16" LAMI IG - 1/8" T, AIR SPACE, 5/16" LAMI - (1/8"A,.090,1/8"A)      | FTL-4646, 4723             |          |
| H. 13/16" LAMI IG - 1/8" T, AIR SPACE, 5/16" LAMI - (1/8"A,.090,1/8"HS)     | FTL-4646                   |          |
| I. 13/16" LAMI IG - 1/8" T, AIR SPACE, 5/16" LAMI - (1/8"HS,.090,1/8"HS)    | FTL-4646                   |          |
| J. 13/16" LAMI IG - 1/8" T, AIR SPACE, 7/16" LAMI - (3/16"A,.090, 3/16"A)   | FTL-4649, 4650             |          |
| K. 13/16" LAMI IG - 1/8" T, AIR SPACE, 7/16" LAMI - (3/16"A,.090, 3/16"HS)  | FTL-4649, 4650, 4958       |          |
| L. 13/16" LAMI IG - 1/8" T, AIR SPACE, 7/16" LAMI - (3/16"HS,.090, 3/16"HS) | FTL-4649, 4650             |          |
| M. 13/16" LAMI IG - 1/8"A, AIR SPACE, 5/16" LAMI - (1/8"A,.090, 1/8"A)      | FTL-5063                   |          |

- NOTES:** 1. WINDOWS WITH THE LOW SILL OPTION ARE LIMITED TO A POSITIVE DESIGN PRESSURE OF +64.0 PSF OR LOWER AS SHOWN IN THE TABLES. NEGATIVE DESIGN PRESSURES ARE UNEFFECTED.  
2. FOR INTEGRAL FIN WINDOW DESIGN PRESSURES USE THE ABOVE TABLES BY DEDUCTING 1" FROM THE FLANGED TIP-TO-TIP FRAME DIMENSIONS.  
3. AVAILABLE SASH HEIGHTS FOR CUSTOM WINDOWS ARE 12 5/8" MINIMUM TO 38" MAXIMUM.  
4. GLASS TYPES C, G, H, AND I MAY BE USED IN SASH ONLY

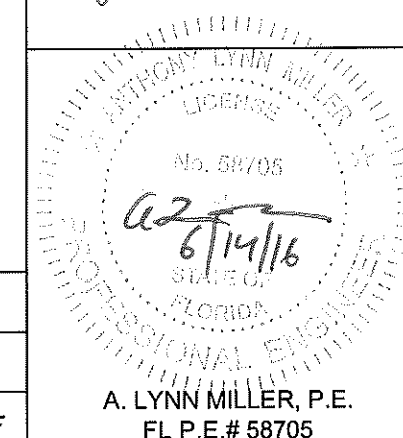
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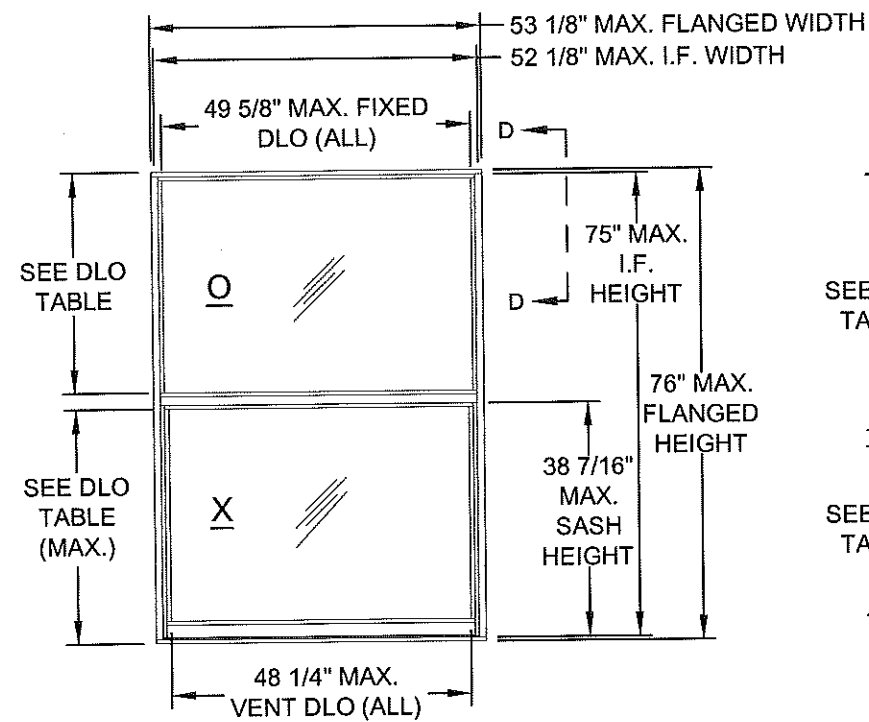
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NOKOMIS, FL 34274



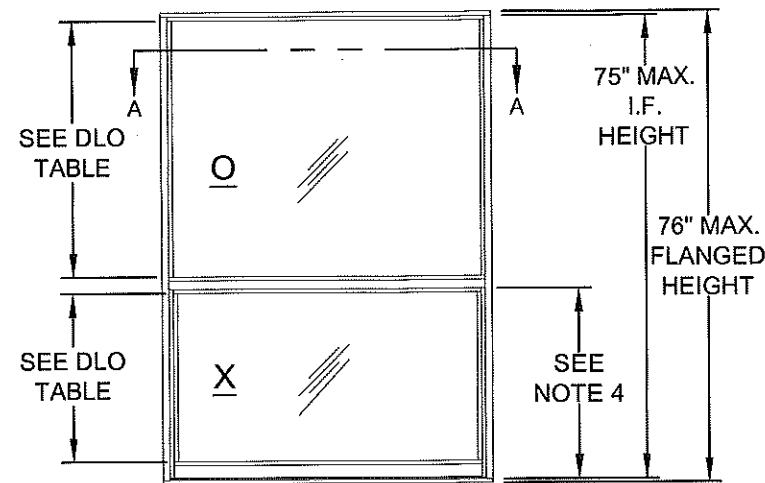
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| Description:<br><b>DESIGN PRESSURES</b>           |               |                   |                        |
| Title:<br><b>ALUM. SINGLE HUNG WINDOW, IMPACT</b> |               |                   |                        |
| Series/Model:<br>SH700                            | Scale:<br>NTS | Sheet:<br>3 of 11 | Drawing No.<br>4040-20 |
| Rev:<br>F                                         |               |                   |                        |

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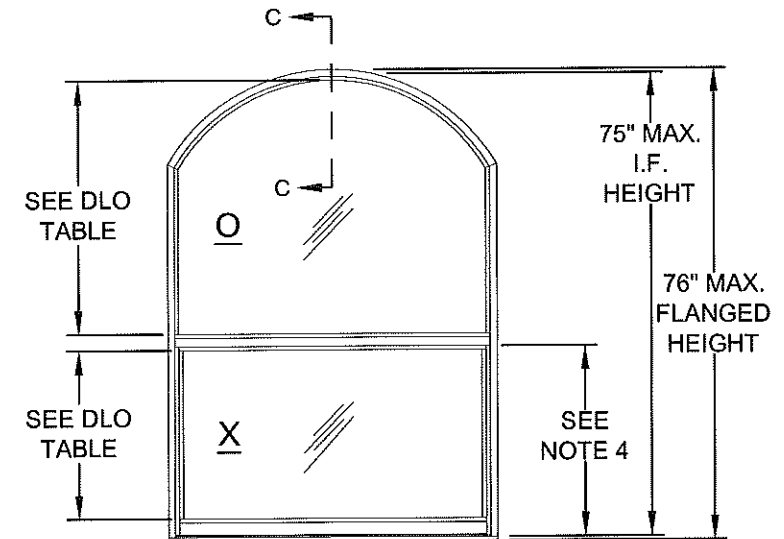




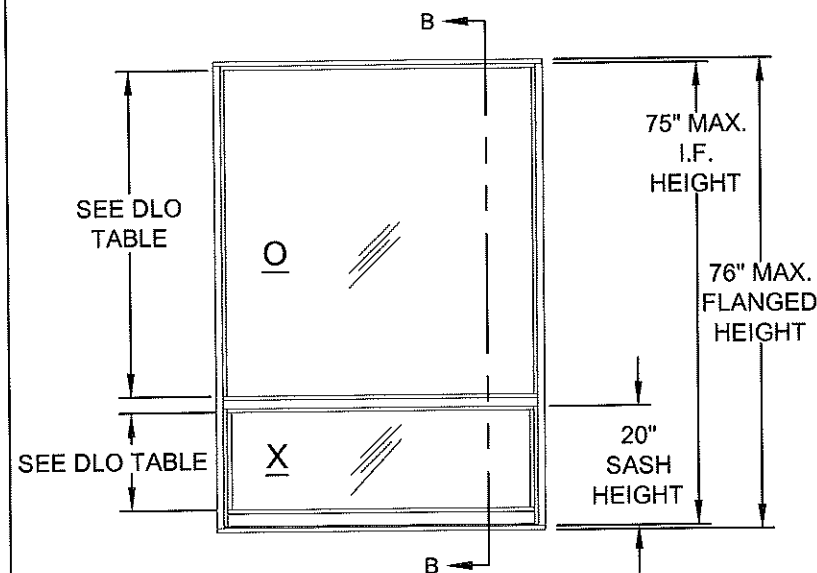
DETAIL A  
1/1



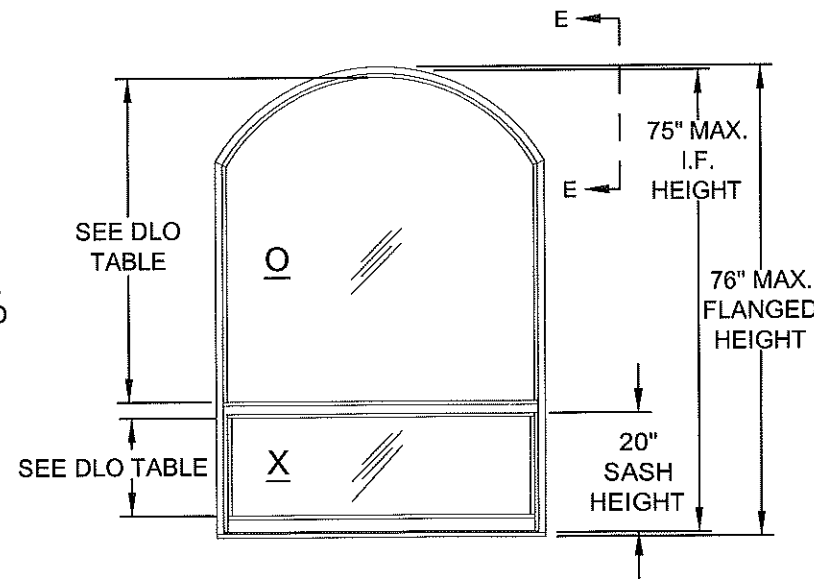
DETAIL B  
VIEW (STANDARD SASH)



DETAIL C  
RADIUS TOP (STANDARD SASH)



DETAIL D  
VIEW (CUSTOM SASH)



DETAIL E  
RADIUS TOP (CUSTOM SASH)

**NOTES:**

1. SEE SHEET 5 FOR VERTICAL AND HORIZONTAL SECTION DETAILS.
2. SEE SHEET 7 FOR CORNER DETAIL VIEWS.
3. SEE SHEETS 8 THROUGH 11 FOR ANCHORAGE INFORMATION.
4. SASH HEIGHTS FOR STANDARD SASH WINDOWS (DETAILS B & C) ARE BASED ON A THREE OVER TWO FORMAT.

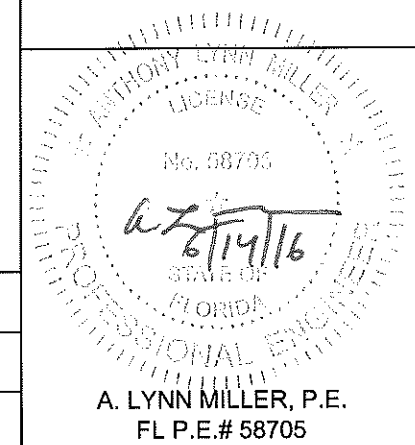
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| F.K.      | 9/1/05 | J.J.        | 2/23/07 |

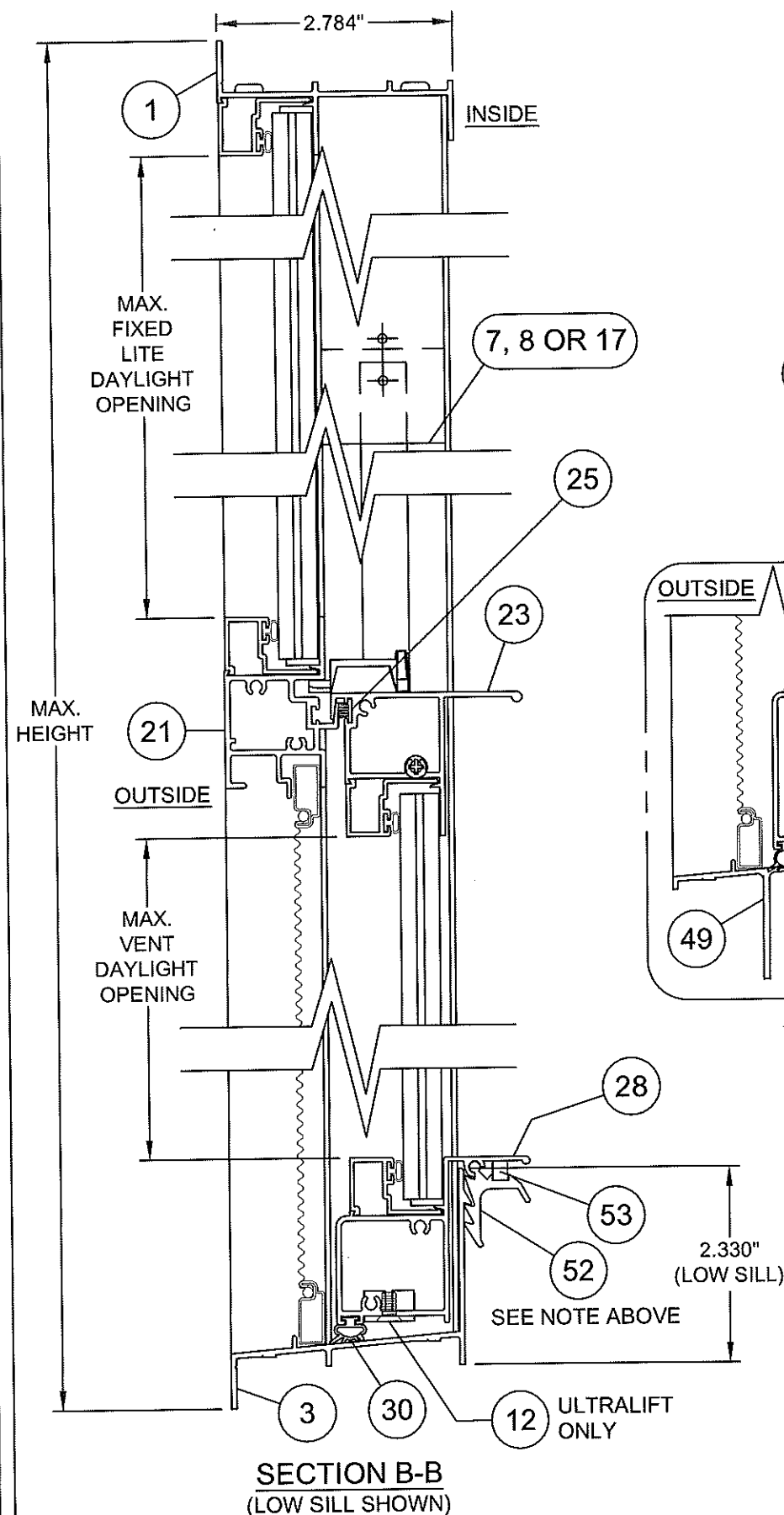
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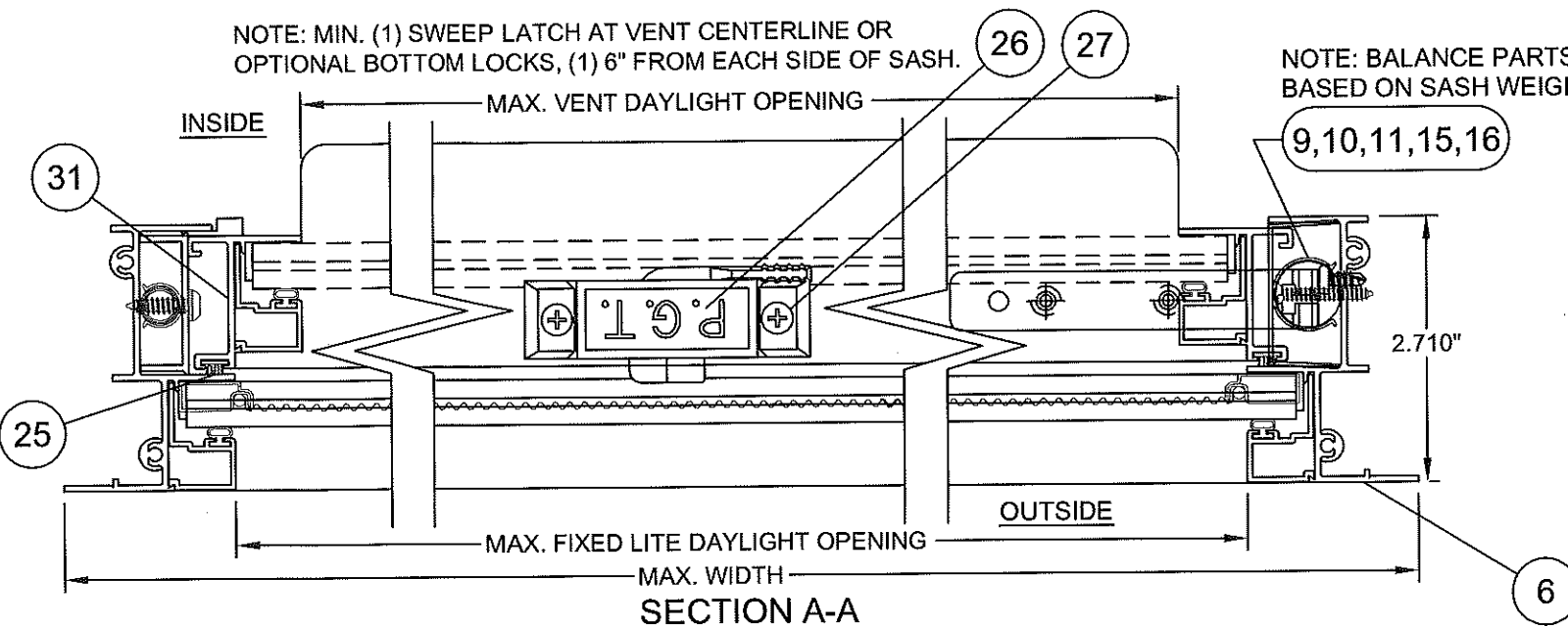
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| Description:<br><b>ELEVATIONS</b>                 |               |                   |                        |
| Title:<br><b>ALUM. SINGLE HUNG WINDOW, IMPACT</b> |               |                   |                        |
| Series/Model:<br>SH700                            | Scale:<br>NTS | Sheet:<br>4 of 11 | Drawing No.<br>4040-20 |
| Rev:<br>F                                         |               |                   |                        |

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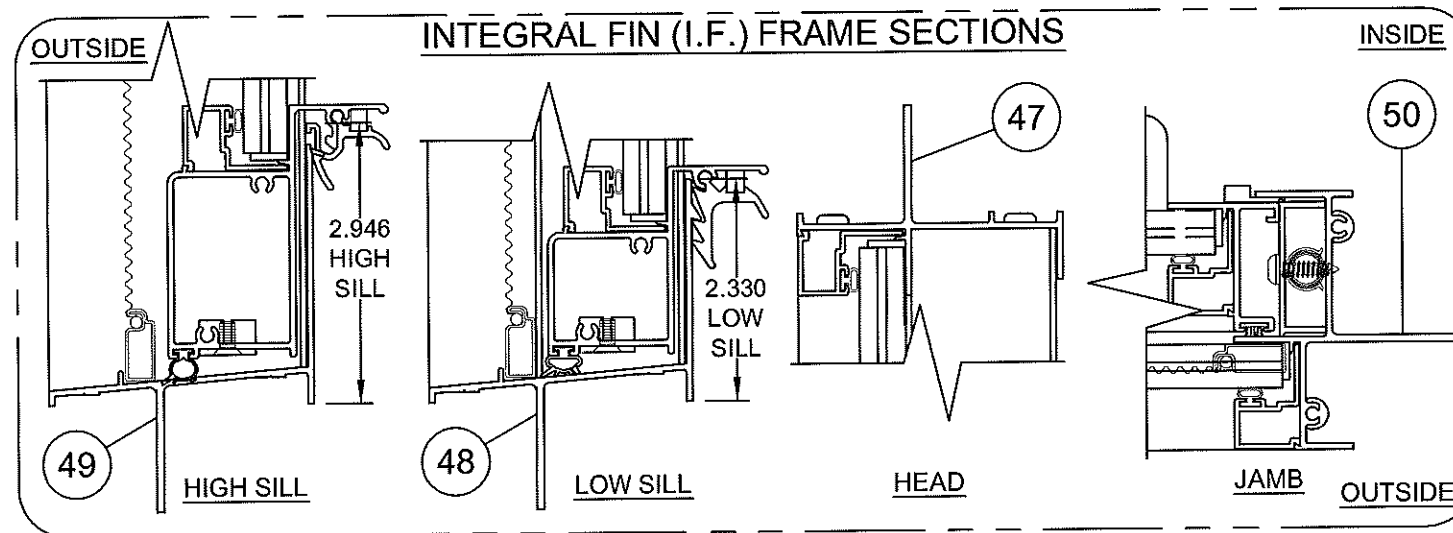




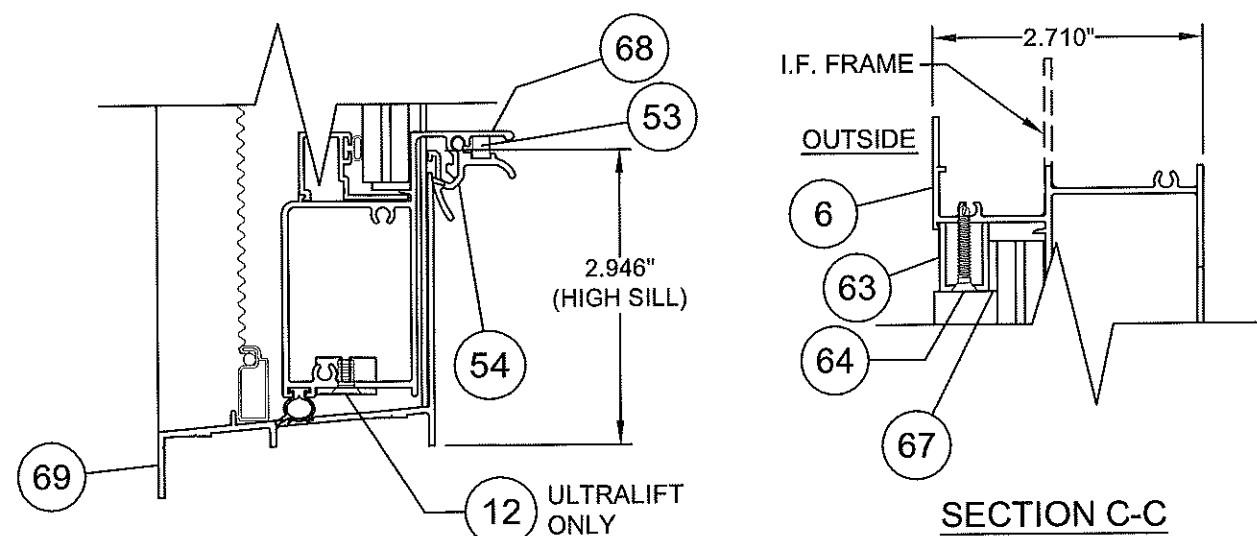
**SECTION B-B**  
(LOW SILL SHOWN)



**SECTION A-A**



**INTEGRAL FIN (I.F.) FRAME SECTIONS**



**ALTERNATE HIGH SILL**

**SECTION C-C**  
RADIUS TOP  
(HEAD DETAIL - FLANGED VERSION)

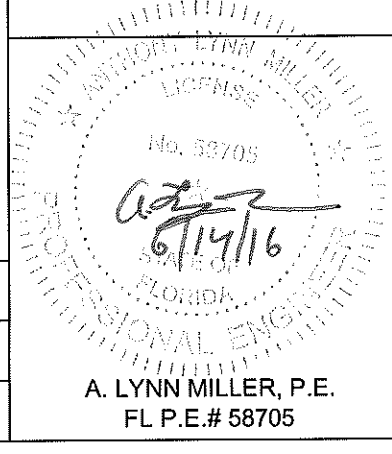
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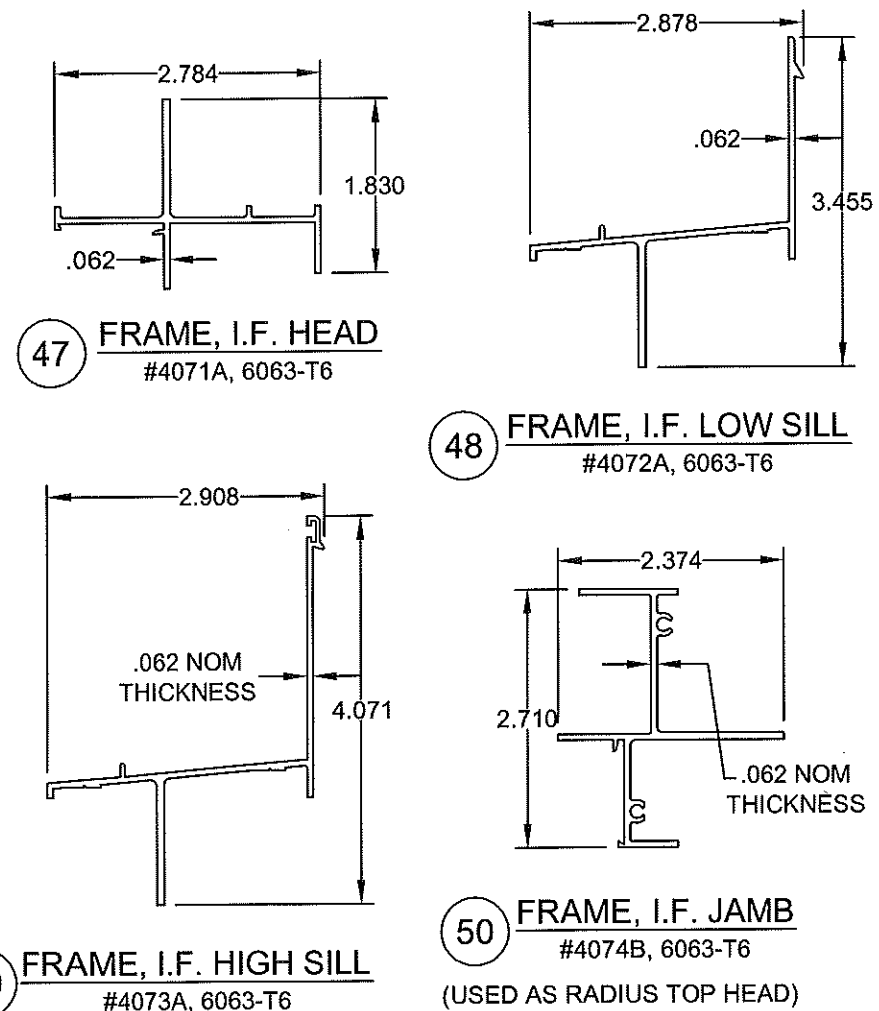
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| Description:  | <b>SECTIONS</b>                         |        |         |             |
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| Series/Model: | SH700                                   | Scale: | Half    | Sheet:      |
|               |                                         |        | 5 of 11 | Drawing No. |
|               |                                         |        | 4040-20 | Rev:        |
|               |                                         |        |         | F           |

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Miami Dade Product Control



| ITEM | DWG.#     | DESCRIPTION                             | PGT#        |
|------|-----------|-----------------------------------------|-------------|
| 1    | 4002A     | FLANGE FRAME HEAD                       | 612225      |
| 2    | 1155      | #8 X 1.000 QUAD PN. SMS                 | 781PQA      |
| 3    | 4003C     | FLANGE FRAME SILL (LOW SILL)            | 612226      |
| 5    | 1626      | ADHESIVE OPEN CELL FOAM PAD             | 7PAD1626    |
| 6    | 4004      | FLANGE FRAME JAMB                       | 612227      |
| 7    | 4025      | SASH STOP                               | 612244      |
| 8    | 4025      | SASH STOP (EGRESS) 1.125 LONG           | 612244      |
| 9    | 4029      | SPIRAL BALANCE, 3/8", 5/8", OR 11/16"   |             |
| 10   | 1080      | BALANCE COVER, 3/8" OR 5/8"             | 6BALCVR916  |
| 11   |           | #8 X .750 PH. PN. SMS                   | 7834AA      |
| 12   |           | BALANCE BOTTOM BRACKET                  | 7BALTBKT    |
| 13   | 1085/1086 | SASH TOP GUIDE                          | 42504       |
| 15   |           | #8 X 1 PHILLIPS FLAT HEAD S. STL        | 78X1FPAX    |
| 16   | 1080-1    | BALANCE COVER, 11/16"                   | 6BALCVR670  |
| 17   | 4053      | SASH STOP COVER                         | 64053       |
| 18   | 4029-1    | SASH BRACKET                            | 7ULBRKT     |
| 19   |           | #8-32 X 1/2" LG. PH. FH. TYPE F S. STL  | 7832X12FPFX |
| 21   | 4054C     | FIXED MEETING RAIL                      | 64054C      |
| 23   | 4006C     | SASH TOP RAIL                           | 64006       |
| 25   | 1235      | WSTP., 170 X .270 BACK, FIN SEAL        | 67S16G      |
| 26   | 1096      | SWEEP LATCH                             | 71096       |
| 27   | 1016      | #8 X .625 PH. FL. SMS                   | 7858        |
| 28   | 4007      | SASH BOTTOM RAIL (LOW SILL)             | 612230      |
| 30   | 1226      | WSTP., BULB VINYL                       | 6TP249      |
| 31   | 4008      | SASH SIDE RAIL                          | 612231      |
| 34   | 1268      | SASH FACE GUIDE                         | 42501       |
| 35   | 1622      | LAMI SETTING BLOCK 3/32" X 25/64" X 1"  | 71622K      |
| 36   | 1052      | LAMI IG SETTING BLOCK 1" X 3/4" X 1/16" | 71052K      |
| 37   | 1224      | VINYL GLAZ. BEAD BULB (THICK)           | 6TP247W,K   |
| 38   | 1225      | VINYL GLAZ. BEAD BULB (THIN)            | 6TP248K     |
| 41   | 4039B     | GLAZING BEAD, 5/16 LAM. GLASS.          | 64039B      |
| 42   | 4044B     | GLAZING BEAD, 5/16 LAMI W/GRILL KIT     | 644703      |
| 44   | 4222A     | GLAZING BEAD, 7/16" LAMI                | 64222       |
| 45   | 985C      | GLAZING BEAD, 7/16" LAMI W/GRILL KIT    | 6985        |
| 46   | 4067      | GLAZING BEAD, 13/16" LAMI I.G.          | 64067       |
| 47   | 4071A     | FRAME, I.F. HEAD                        | 64071       |
| 48   | 4072A     | FRAME, I.F. LOW SILL                    | 64072       |
| 49   | 4073A     | FRAME, I.F. HIGH SILL                   | 64073       |
| 50   | 4074B     | FRAME, I.F. JAMB                        | 64074       |
| 52   | 4009      | SILL LATCH (EGRESS) (LOW SILL)          | 764009      |
| 53   | 1088      | SPRING, SILL LATCH (EGRESS)             | 7SPRNG      |
| 54   | 2740      | SILL LATCH (EGRESS) (HIGH SILL)         | 62740       |
| 55   | 1014      | SCREEN FRAME (HOR. & VER.)              | 61014       |
| 56   | 1630      | SCREEN CORNER KEY W/RINGS               | 71630       |
| 57   | 1631      | SCREEN CORNER KEY W/OUT RINGS           | 71631       |
| 58   | 1073      | SCREEN SPRING                           | 7CASP       |
| 59   | 1624      | SCREEN SPLINE - .135 DIA. FOAM          | 61624K      |

| ITEM | DWG.# | DESCRIPTION                                                                        | PGT#     |
|------|-------|------------------------------------------------------------------------------------|----------|
| 60   | 1635  | SCREEN SPLINE - .135 DIA. HARD                                                     | 61635K   |
| 61   |       | SCREEN CLOTH                                                                       | 61816    |
| 63   | 505   | GLAZING CHANNEL (.688 X .500)                                                      | 6533402  |
| 64   | 1161  | #6 X 1.000 PH. BUGLE TEK                                                           | 706X1    |
| 67   |       | GLAZING TAPE, 1/16 X 1/2 - 7/16 LAMI                                               | 62BV1510 |
| 68   | 4051A | SASH BOTTOM RAIL (HIGH SILL)                                                       | 64051    |
| 69   | 4050A | FLANGE FRAME SILL (HIGH SILL)                                                      | 64050    |
| 70   |       | SILICONE, DOW 899, 995 OR EQUIV.                                                   |          |
| 80   |       | A. GLASS, 5/16" LAMI, (1/8"A,.090 PVB,1/8"A)                                       |          |
| 81   |       | B. GLASS, 5/16" LAMI, (1/8"A,.090 PVB,1/8"HS)                                      |          |
| 82   |       | C. GLASS, 5/16" LAMI, (1/8"HS,.090 PVB,1/8"HS)                                     |          |
| 83   |       | D. GLASS, 7/16" LAMI, (1/8"A,.090 PVB,1/8"A)                                       |          |
| 84   |       | E. GLASS, 7/16" LAMI, (1/8"A,.090 PVB,1/8"HS)                                      |          |
| 85   |       | F. GLASS, 7/16" LAMI, (1/8"HS,.090 PVB,1/8"HS)                                     |          |
| 86   |       | G. GLASS, 13/16" LAMI IG; 1/8"T, AIR SPACE, 5/16" LAMI, (1/8"A,.090 PVB,1/8"A)     |          |
| 87   |       | H. GLASS, 13/16" LAMI IG; 1/8"T, AIR SPACE, 5/16" LAMI, (1/8"A,.090 PVB,1/8"HS)    |          |
| 88   |       | I. GLASS, 13/16" LAMI IG; 1/8"T, AIR SPACE, 5/16" LAMI, (1/8"HS,.090 PVB,1/8"HS)   |          |
| 89   |       | J. GLASS, 13/16" LAMI IG; 1/8"T, AIR SPACE, 7/16" LAMI, (3/16"A,.090 PVB,3/16"A)   |          |
| 90   |       | K. GLASS, 13/16" LAMI IG; 1/8"T, AIR SPACE, 7/16" LAMI, (3/16"A,.090 PVB,3/16"HS)  |          |
| 91   |       | L. GLASS, 13/16" LAMI IG; 1/8"T, AIR SPACE, 7/16" LAMI, (3/16"HS,.090 PVB,3/16"HS) |          |
| 92   |       | M. GLASS, 13/16" LAMI IG; 1/8"A, AIR SPACE, 5/16" LAMI, (1/8"A,.090 PVB,1/8"A)     |          |



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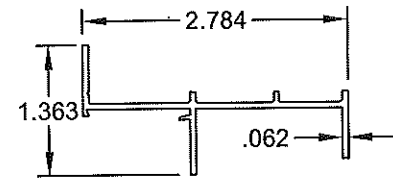
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LICENSE  
No. 58705  
6/14/16  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
FL P.E.# 58705

|             |        |             |         |
|-------------|--------|-------------|---------|
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| Revised By: | Date:  | Revisions:  |         |
| Revised By: | Date:  | Revisions:  |         |
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| F.K.        | 9/1/05 | J.J.        | 2/23/07 |

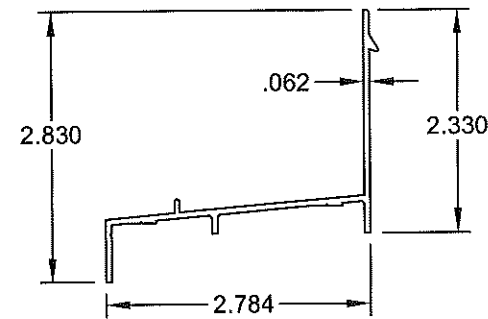
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NOKOMIS, FL 34274

**PGT**  
Visibly Better

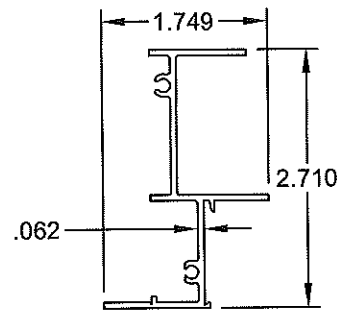
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| Description:  | <b>PARTS LIST</b>                       |        |     |         |
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| Series/Model: | SH700                                   | Scale: | NTS | Sheet:  |
|               |                                         |        |     | 6 of 11 |
| Drawing No.   | 4040-20                                 | Rev:   | F   |         |



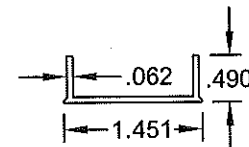
1 **FLANGE FRAME HEAD**  
#4002A, 6063-T6



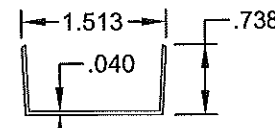
3 **FLANGE FRAME SILL (LOW)**  
#4003C, 6063-T6



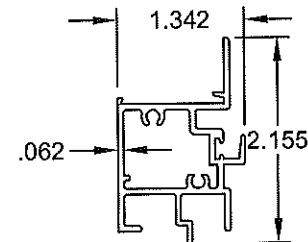
6 **FLANGE FRAME JAMB**  
#4004, 6063-T5  
(USED AS RADIUS TOP HEAD)



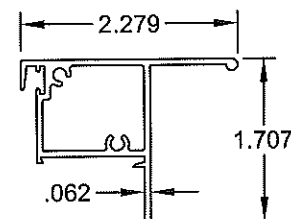
7 **SASH STOP**  
#4025, 6063-T5



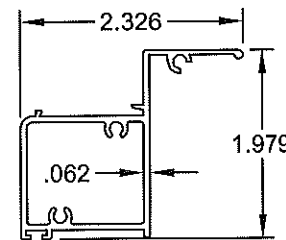
17 **SASH STOP COVER**  
#4053, 6063-T5



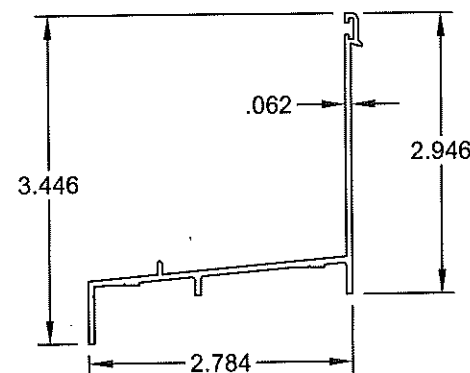
21 **FIXED MEETING RAIL**  
#4054A, 6063HD-T6



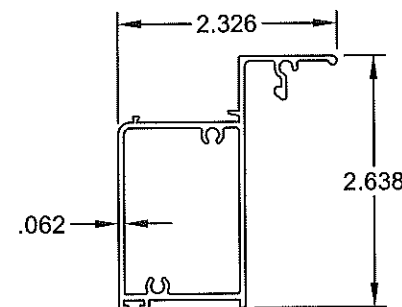
23 **SASH TOP RAIL**  
#4006C, 6063HS-T6



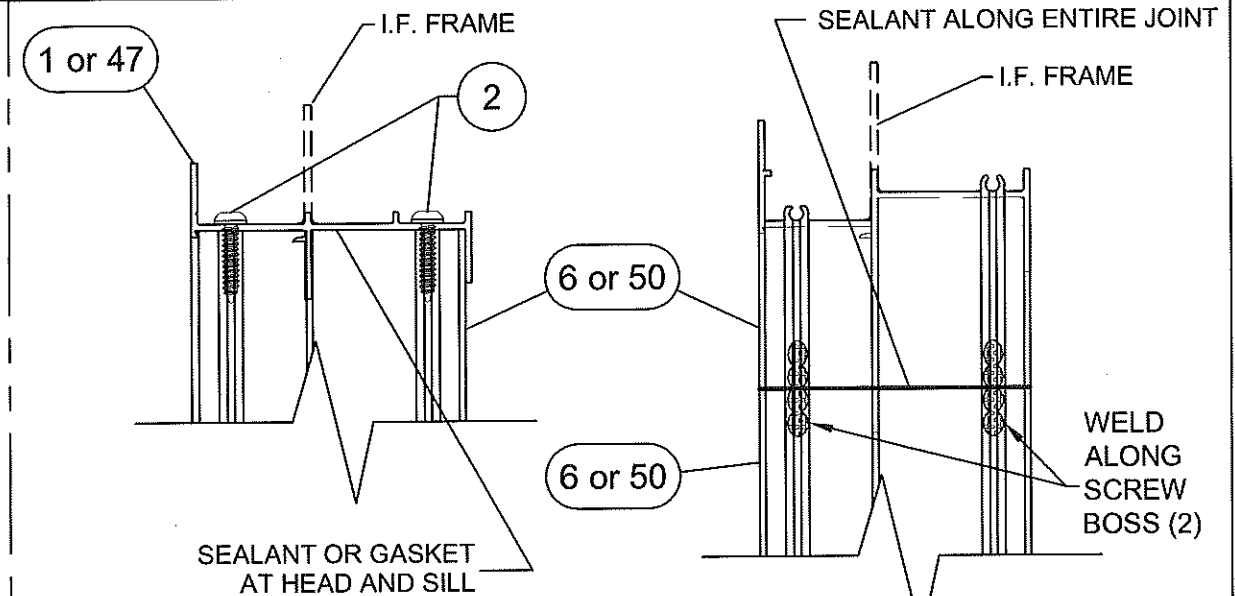
28 **SASH BOTTOM RAIL (LOW)**  
#4007, 6063-T5



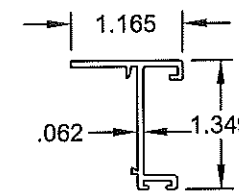
69 **FLANGE FRAME SILL (HIGH)**  
#4050A, 6063-T6



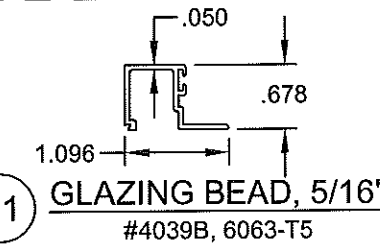
68 **SASH BOTTOM RAIL (HIGH)**  
#4051A, 6063-T5



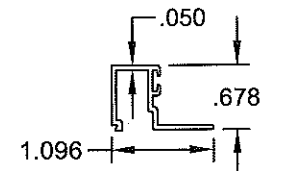
**VIEW D-D**  
(1/1 & VIEW HEAD & SILL, RADIUS TOP SILL)  
**VIEW E-E**  
(RADIUS TOP HEAD ONLY)  
**FRAME CORNER CONSTRUCTION**



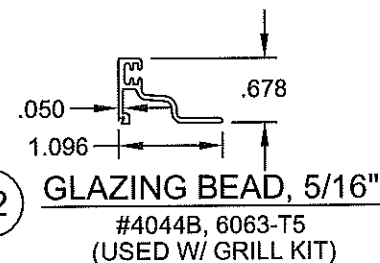
31 **SASH SIDE RAIL**  
#4008, 6063-T5



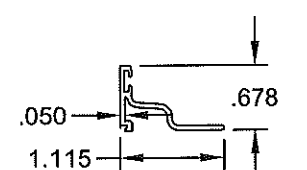
41 **GLAZING BEAD, 5/16"**  
#4039B, 6063-T5



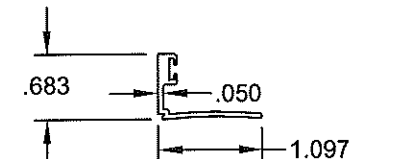
44 **GLAZING BEAD 7/16"**  
#4222, 6063-T5



42 **GLAZING BEAD, 5/16"**  
#4044B, 6063-T5  
(USED W/ GRILL KIT)



45 **GLAZING BEAD, 7/16"**  
#985C, 6063-T5  
(USED W/ GRILL KIT)



46 **GLAZING BEAD, 13/16" IG**  
#4067, 6063-T5

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0714.06  
Expiration Date March 26, 2021  
By *Manuel Perez*  
Miami Dade Product Control

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
6/14/16  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
FL P.E.# 58705

|           |        |             |
|-----------|--------|-------------|
| Revsd By: | Date:  | Revisions:  |
| Revsd By: | Date:  | Revisions:  |
| Revsd By: | Date:  | Revisions:  |
| Drawn By: | Date:  | Checked By: |
| F.K.      | 9/1/05 | J.J.        |

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

**PGT**  
Visibly Better

|               |                                             |        |      |         |
|---------------|---------------------------------------------|--------|------|---------|
| Description:  | <b>EXTRUSIONS &amp; FRAME CORNER DETAIL</b> |        |      |         |
| Title:        | <b>ALUM. SINGLE HUNG WINDOW, IMPACT</b>     |        |      |         |
| Series/Model: | SH700                                       | Scale: | Half | Sheet:  |
|               |                                             |        |      | 7 of 11 |
| Drawing No.   | 4040-20                                     | Rev:   | F    |         |

# ANCHOR QUANTITIES FOR 1/1 FLANGED WINDOWS

TABLE 5.

| SUBSTRATE:<br>ANCHOR TYPE: |                         | WINDOW HEIGHT |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
|----------------------------|-------------------------|---------------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|
|                            |                         | 28.603        |      |      | 34.603 |      |      | 40.603 |      |      | 46.603 |      |      | 52.603 |      |      | 58.603 |      |      | 64.603 |      |      | 76.000 |      |      |
|                            |                         | WOOD          | CONC | CONC | WOOD   | CONC | CONC | WOOD   | CONC | CONC | WOOD   | CONC | CONC | WOOD   | CONC | CONC | WOOD   | CONC | CONC | WOOD   | CONC | CONC | WOOD   | CONC | CONC |
| WINDOW WIDTH               | GLASS TYPE              | 2             | 3    | 1    | 2      | 3    | 1    | 2      | 3    | 1    | 2      | 3    | 1    | 2      | 3    | 1    | 2      | 3    | 1    | 2      | 3    | 1    | 2      | 3    | 1    |
| 19.125                     | C,D,E,F,G,<br>H,I,J,K,L | 1             | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    |
|                            | A,B,M                   | 1             | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    |
| 24.000                     | C,D,E,F,G,<br>H,I,J,K,L | 1             | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    |
|                            | A,B,M                   | 1             | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    |
| 32.000                     | C,D,E,F,G,<br>H,I,J,K,L | 1             | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 2      | 1    | 1    | 2      | 1    | 1    | 2      | 1    | 1    |
|                            | A,B,M                   | 1             | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    |
| 37.000                     | C,D,E,F,G,<br>H,I,J,K,L | 1             | 1    | 1    | 1      | 1    | 1    | 2      | 1    | 1    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    |
|                            | A,B,M                   | 1             | 1    | 1    | 1      | 1    | 1    | 2      | 1    | 1    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    |
| 40.000                     | PSF                     | 79            |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
|                            | C,D,E,F,G,<br>H,I,J,K,L | 2             | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    |
| 44.000                     | PSF                     | 79            |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
|                            | C,D,E,F,G,<br>H,I,J,K,L | 2             | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    |
| 48.000                     | PSF                     | 79            |      | 79   |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
|                            | C,D,E,F,G,<br>H,I,J,K,L | 2             | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 3      | 2    | 2    | 3      | 2    | 2    |
| 53.125                     | PSF                     | 72            |      | 79   | 79     |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
|                            | C,D,E,F,G,<br>H,I,J,K,L | 2             | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 3      | 2    | 2    | 3      | 2    | 2    | 3      | 2    | 3    | 3      | 2    | 3    |

## ANCHORAGE NOTES:

- ANCHOR TYPES: 1 - 1/4" ELCO TAPCONS  
2 - 1/4" ELCO SS4 CRETE-FLEX  
3 - #12 SCREWS
- ANCHOR LOCATIONS ARE BASED ON THE FOLLOWING DIMENSIONS.  
HEAD - 18 1/2" MAX. FROM TOP CORNERS  
JAMBS - 17 1/2" MAX. FROM TOP CORNERS  
15" MAX. FROM BOTTOM CORNERS  
6" MAX. BELOW MTG. RAIL  
SILL - ANCHORS NOT REQUIRED
- INSTALL PER THE ADJACENT TABLE ANCHOR QUANTITIES USING THE DIMENSIONAL CRITERIA OF NOTE 2.
- TABLE WIDTH AND HEIGHT DIMENSION ARE FOR FLANGED WINDOWS. INTEGRAL FIN DIMENSIONS ARE 1" LESS.
- DESIGN PRESSURE LIMITATIONS:  
SIZE BLOCKS OF THE ADJACENT TABLE WITH A BOLD ITALICIZED VALUE ABOVE THEM, INDICATE A MAXIMUM DESIGN PRESSURE WITH THE QUANTITY OF ANCHORS SHOWN IN BOLD. OTHERWISE, THE MAXIMUM DESIGN PRESSURE FOR THE RESPECTIVE SIZE AND GLASS TYPE IS AVAILABLE.

## TABLE KEY:

|              |                   |
|--------------|-------------------|
|              | MAX. PSF          |
| (DP LIMITED) | <b>118</b>        |
| HEAD         | <b>2</b>          |
| JAMB ABOVE   | <b>2</b> <b>3</b> |
| MTG. RAIL    |                   |
| JAMB BELOW   |                   |
| MTG. RAIL    |                   |
| (FULL DP)    |                   |
| HEAD         | <b>2</b>          |
| JAMB ABOVE   | <b>2</b> <b>3</b> |
| MTG. RAIL    |                   |
| JAMB BELOW   |                   |
| MTG. RAIL    |                   |

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0714-06  
Expiration Date May 26, 2021  
By *Manuel Perez*  
Miami Dade Product Control

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
6/14/16  
A. LYNN MILLER, P.E.  
FL P.E.# 58705

|             |         |             |
|-------------|---------|-------------|
| Revised By: | Date:   | Revisions:  |
| Revised By: | Date:   | Revisions:  |
| Revised By: | Date:   | Revisions:  |
| Drawn By:   | Date:   | Checked By: |
| F.K.        | 7/29/05 | J.J.        |

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



|               |                                  |             |         |
|---------------|----------------------------------|-------------|---------|
| Description:  | ANCHORAGE SPACING, 1/1 WINDOWS   |             |         |
| Title:        | ALUM. SINGLE HUNG WINDOW, IMPACT |             |         |
| Series/Model: | SH700                            | Scale:      | NTS     |
| Sheet:        | 8 of 11                          | Drawing No. | 4040-20 |
| Rev:          | F                                |             |         |

ANCHOR QUANTITIES FOR STANDARD VIEW AND RADIUS TOP FLANGED WINDOWS

TABLE 6.

| SUBSTRATE:<br>ANCHOR TYPE: |                         | WINDOW HEIGHT |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
|----------------------------|-------------------------|---------------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|
|                            |                         | 29.655        |      |      | 37.155 |      |      | 44.655 |      |      | 52.155 |      |      | 59.655 |      |      | 67.155 |      |      | 74.655 |      |      | 76.000 |      |      |
|                            |                         | WOOD          | CONC | CONC | WOOD   | CONC | CONC | WOOD   | CONC | CONC | WOOD   | CONC | CONC | WOOD   | CONC | CONC | WOOD   | CONC | CONC | WOOD   | CONC | CONC | WOOD   | CONC | CONC |
| WINDOW WIDTH               | GLASS TYPE              | 2,3           | 2    | 1    | 2,3    | 2    | 1    | 2,3    | 2    | 1    | 2,3    | 2    | 1    | 2,3    | 2    | 1    | 2,3    | 2    | 1    | 2,3    | 2    | 1    | 2,3    | 2    | 1    |
| 19.125                     | C,D,E,F,G,<br>H,I,J,K,L | 1             | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    |
|                            | A,B,M                   | 1             | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    |
|                            | PSF                     | 79            |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
| 24.000                     | C,D,E,F,G,<br>H,I,J,K,L | 1             | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    |
|                            | A,B,M                   | 1             | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    |
|                            | PSF                     | 68            |      | 77   |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
| 32.000                     | C,D,E,F,G,<br>H,I,J,K,L | 1             | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 2      | 1    | 1    | 2      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    |
|                            | A,B,M                   | 1             | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 2      | 1    | 1    | 2      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    | 1      | 1    | 1    |
|                            | PSF                     | 59            |      | 67   | 79     |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
| 37.000                     | C,D,E,F,G,<br>H,I,J,K,L | 1             | 1    | 1    | 2      | 1    | 1    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    |
|                            | A,B,M                   | 1             | 1    | 1    | 2      | 1    | 1    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    | 2      | 1    | 2    |
|                            | PSF                     | 54            | 79   | 62   | 79     |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
| 40.000                     | C,D,E,F,G,<br>H,I,J,K,L | 2             | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    |
|                            | A,B,M                   | 2             | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    |
|                            | PSF                     | 49            | 79   | 56   | 79     |      | 79   |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
| 44.000                     | C,D,E,F,G,<br>H,I,J,K,L | 2             | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    |
|                            | A,B,M                   | 2             | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    |
|                            | PSF                     | 45            | 74   | 51   | 74     |      | 79   | 79     |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
| 48.000                     | C,D,E,F,G,<br>H,I,J,K,L | 2             | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 3      | 2    | 2    | 2      | 2    | 2    | 3      | 2    | 2    | 3      | 2    | 2    |
|                            | A,B,M                   | 2             | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 2      | 2    | 2    | 3      | 2    | 2    | 2      | 2    | 2    | 3      | 2    | 2    | 3      | 2    | 2    |
|                            | PSF                     | 41            | 67   | 46   | 67     |      | 76   | 79     |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
| 53.125                     | C,D,E,F,G,<br>H,I,J,K,L | 2             | 2    | 2    | 2      | 2    | 2    | 3      | 2    | 2    | 3      | 2    | 3    | 3      | 2    | 3    | 3      | 2    | 3    | 3      | 2    | 3    | 3      | 2    | 3    |
|                            | A,B,M                   | 2             | 2    | 2    | 2      | 2    | 2    | 3      | 2    | 2    | 3      | 2    | 3    | 3      | 2    | 3    | 3      | 2    | 3    | 3      | 2    | 3    | 3      | 2    | 3    |
|                            | PSF                     | 41            | 67   | 46   | 67     |      | 76   | 79     |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |

ANCHORAGE NOTES:

- ANCHOR TYPES: 1 - 1/4" ELCO TAPCONS  
2 - 1/4" ELCO SS4 CRETE-FLEX  
3 - #12 SCREWS
- ANCHOR LOCATIONS ARE BASED ON THE FOLLOWING DIMENSIONS:  
HEAD - 18 1/2" MAX. FROM TOP CORNERS  
JAMBS - 17 1/2" MAX. FROM TOP CORNERS  
15" MAX. FROM BOTTOM CORNERS  
6" MAX. BELOW MTG. RAIL  
SILL - ANCHORS NOT REQUIRED
- INSTALL PER THE ADJACENT TABLE ANCHOR QUANTITIES USING THE DIMENSIONAL CRITERIA OF NOTE 2.
- TABLE WIDTH AND HEIGHT DIMENSION ARE FOR FLANGED WINDOWS. INTEGRAL FIN DIMENSIONS ARE 1" LESS.
- DESIGN PRESSURE LIMITATIONS:  
SIZE BLOCKS OF THE ADJACENT TABLE WITH A BOLD ITALICIZED VALUE ABOVE THEM, INDICATE A MAXIMUM DESIGN PRESSURE WITH THE QUANTITY OF ANCHORS SHOWN IN BOLD. OTHERWISE, THE MAXIMUM DESIGN PRESSURE FOR THE RESPECTIVE SIZE AND GLASS TYPE IS AVAILABLE.

TABLE KEY:

|              |            |
|--------------|------------|
|              | MAX. PSF   |
| (DP LIMITED) | <b>117</b> |
| HEAD         | <b>3</b>   |
| JAMB ABOVE   | <b>3</b>   |
| MTG. RAIL    |            |
| JAMB BELOW   |            |
| MTG. RAIL    |            |
| (FULL DP)    |            |
| HEAD         | <b>2</b>   |
| JAMB ABOVE   | <b>2</b>   |
| MTG. RAIL    |            |
| JAMB BELOW   |            |
| MTG. RAIL    |            |

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0714-06  
Expiration Date March 26, 2021  
By *Manuel Perez*  
Miami Dade Product Control



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

|           |         |             |         |
|-----------|---------|-------------|---------|
| Revsd By: | Date:   | Revisions:  |         |
| Revsd By: | Date:   | Revisions:  |         |
| Revsd By: | Date:   | Revisions:  |         |
| Drawn By: | Date:   | Checked By: | Date:   |
| F.K.      | 7/29/05 | J.J.        | 2/23/07 |

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



|                                                         |               |                   |                        |
|---------------------------------------------------------|---------------|-------------------|------------------------|
| Description:<br><b>ANCHORAGE SPACING, STANDARD VIEW</b> |               |                   |                        |
| Title:<br><b>ALUM. SINGLE HUNG WINDOW, IMPACT</b>       |               |                   |                        |
| Series/Model:<br>SH700                                  | Scale:<br>NTS | Sheet:<br>9 of 11 | Drawing No.<br>4040-20 |
|                                                         |               |                   | Rev:<br>F              |

| ANCHOR QUANTITIES ABOVE MEETING RAIL (HEAD & JAMBS), CUSTOM FLANGED WINDOW HEIGHT MINUS SASH HEIGHT TABLE 7. |             |                                               |           |           |           |           |           |           |        |           |           |        |           |          |        |          |          |        |           |          |        |          |          |        |          |
|--------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|--------|-----------|----------|--------|----------|----------|--------|-----------|----------|--------|----------|----------|--------|----------|
| SUBSTRATE:<br>ANCHOR TYPE:                                                                                   |             | WINDOW HEIGHT MINUS SASH HEIGHT FROM TABLE 8. |           |           |           |           |           |           |        |           |           |        |           |          |        |          |          |        |           |          |        |          |          |        |          |
|                                                                                                              |             | 17.125                                        |           |           | 22.668    |           |           | 28.211    |        |           | 33.754    |        |           | 39.296   |        |          | 44.839   |        |           | 50.382   |        |          | 55.925   |        |          |
|                                                                                                              |             | 2,3 WOOD                                      | 2 CONC    | 1 CONC    | 2,3 WOOD  | 2 CONC    | 1 CONC    | 2,3 WOOD  | 2 CONC | 1 CONC    | 2,3 WOOD  | 2 CONC | 1 CONC    | 2,3 WOOD | 2 CONC | 1 CONC   | 2,3 WOOD | 2 CONC | 1 CONC    | 2,3 WOOD | 2 CONC | 1 CONC   | 2,3 WOOD | 2 CONC | 1 CONC   |
| WINDOW WIDTH                                                                                                 | GLASS TYPE  |                                               |           |           |           |           |           |           |        |           |           |        |           |          |        |          |          |        |           |          |        |          |          |        |          |
| 19.125                                                                                                       | D,E,F,J,K,L | 1                                             | 1         | 1         | 1         | 1         | 1         | 1         | 1      | 1         | 1         | 1      | 1         | 1        | 1      | 1        | 1        | 1      | 1         | 1        | 1      | 1        | 1        | 1      | 1        |
|                                                                                                              |             | 1                                             | 1         | 1         | 2         | 2         | 2         | 2         | 2      | 2         | 2         | 2      | 2         | 2        | 2      | 2        | 3        | 2      | 3         | 3        | 2      | 3        | 3        | 3      | 3        |
| 24.000                                                                                                       | D,E,F,J,K,L | 1                                             | 1         | 1         | 1         | 1         | 1         | 1         | 1      | 1         | 1         | 1      | 1         | 1        | 1      | 1        | 1        | 1      | 1         | 1        | 1      | 1        | 1        | 1      | 1        |
|                                                                                                              |             | 1                                             | 1         | 1         | 2         | 2         | 2         | 2         | 2      | 2         | 2         | 2      | 3         | 3        | 2      | 3        | 3        | 2      | 3         | 3        | 3      | 3        | 3        | 3      | 4        |
| 32.000                                                                                                       | D,E,F,J,K,L | 1                                             | 1         | 1         | 1         | 1         | 1         | 2         | 1      | 1         | 2         | 1      | 1         | 1        | 1      | 1        | 1        | 1      | 1         | 1        | 1      | 1        | 1        | 1      | 1        |
|                                                                                                              |             | 1                                             | 1         | 1         | 2         | 2         | 2         | 3         | 2      | 3         | 3         | 3      | 3         | 3        | 2      | 3        | 4        | 3      | 4         | 4        | 3      | 4        | 5        | 3      | 5        |
| 37.000                                                                                                       | PSF         |                                               |           |           |           |           | <b>79</b> |           |        |           |           |        |           |          |        |          |          |        |           |          |        |          |          |        |          |
|                                                                                                              | D,E,F,J,K,L | 1                                             | 1         | 1         | 2         | 1         | <b>2</b>  | 2         | 1      | 2         | 2         | 1      | 2         | 2        | 1      | 2        | 2        | 1      | 2         | 2        | 1      | 2        | 2        | 1      | 2        |
|                                                                                                              |             | 1                                             | 1         | 1         | 2         | 2         | <b>2</b>  | 3         | 2      | 3         | 3         | 3      | 4         | 3        | 3      | 3        | 4        | 3      | 4         | 4        | 4      | 5        | 5        | 4      | 5        |
| 40.000                                                                                                       | PSF         |                                               |           | <b>79</b> | <b>79</b> |           | <b>79</b> |           |        | <b>79</b> |           |        |           |          |        |          |          |        |           |          |        |          |          |        |          |
|                                                                                                              | D,E,F,J,K,L | 2                                             | 2         | <b>2</b>  | <b>2</b>  | 2         | <b>2</b>  | 2         | 2      | <b>2</b>  | 2         | 2      | <b>2</b>  | 2        | 2      | <b>2</b> | 2        | 2      | <b>2</b>  | 2        | 2      | <b>2</b> | 2        | 2      | <b>2</b> |
|                                                                                                              |             | 1                                             | 1         | 1         | 2         | 2         | <b>2</b>  | 3         | 3      | <b>3</b>  | 4         | 3      | 4         | 4        | 3      | 4        | 4        | 3      | 5         | 4        | 4      | 5        | 5        | 4      | 6        |
| 44.000                                                                                                       | PSF         | <b>79</b>                                     |           | <b>76</b> | <b>79</b> |           | <b>77</b> | <b>79</b> |        | <b>79</b> |           |        | <b>79</b> |          |        |          |          |        |           |          |        |          |          |        |          |
|                                                                                                              | D,E,F,J,K,L | 2                                             | 2         | <b>2</b>  | <b>2</b>  | 2         | <b>2</b>  | 2         | 2      | <b>2</b>  | 2         | 2      | <b>2</b>  | 2        | 2      | <b>2</b> | 2        | 2      | <b>2</b>  | 2        | 2      | <b>2</b> | 2        | 2      | <b>2</b> |
|                                                                                                              |             | 1                                             | 1         | 1         | 2         | 2         | <b>2</b>  | 3         | 3      | <b>3</b>  | 4         | 4      | <b>4</b>  | 4        | 3      | 5        | 4        | 3      | 5         | 5        | 4      | 5        | 5        | 4      | 6        |
| 48.000                                                                                                       | PSF         | <b>78</b>                                     | <b>79</b> | <b>70</b> | <b>79</b> | <b>79</b> | <b>71</b> | <b>79</b> |        | <b>73</b> |           |        | <b>76</b> |          |        |          |          |        |           |          |        |          |          |        |          |
|                                                                                                              | D,E,F,J,K,L | 2                                             | 2         | <b>2</b>  | <b>2</b>  | 2         | <b>2</b>  | 2         | 2      | <b>2</b>  | 3         | 2      | <b>2</b>  | 2        | 2      | <b>2</b> | 3        | 2      | <b>2</b>  | 3        | 2      | <b>2</b> | 3        | 2      | <b>2</b> |
|                                                                                                              |             | 1                                             | 1         | 1         | 2         | 2         | <b>2</b>  | 3         | 3      | <b>3</b>  | 4         | 4      | <b>4</b>  | 5        | 4      | 5        | 5        | 4      | 6         | 5        | 4      | 6        | 6        | 5      | 6        |
| 53.125                                                                                                       | PSF         | <b>71</b>                                     | <b>79</b> | <b>63</b> | <b>71</b> | <b>79</b> | <b>64</b> | <b>74</b> |        | <b>66</b> | <b>77</b> |        | <b>69</b> |          |        |          |          |        | <b>69</b> |          |        |          |          |        |          |
|                                                                                                              | D,E,F,J,K,L | 2                                             | 2         | <b>2</b>  | <b>2</b>  | 2         | <b>2</b>  | 3         | 2      | <b>2</b>  | 3         | 2      | <b>3</b>  | 3        | 2      | <b>3</b> | 3        | 2      | <b>3</b>  | 3        | 2      | <b>3</b> | 3        | 2      | <b>3</b> |
|                                                                                                              |             | 1                                             | 1         | 1         | 2         | 2         | <b>2</b>  | 3         | 3      | <b>3</b>  | 4         | 4      | <b>4</b>  | 5        | 4      | 5        | 6        | 5      | <b>6</b>  | 6        | 5      | <b>7</b> | 6        | 5      | <b>7</b> |

| ANCHOR QUANTITIES AT JAMBS BELOW MEETING RAIL, CUSTOM FLANGED WINDOWS BASED ON SASH HT. TABLE 8. |  |             |        |        |           |        |           |           |        |        |          |        |        |          |        |        |          |        |        |          |        |        |          |        |        |
|--------------------------------------------------------------------------------------------------|--|-------------|--------|--------|-----------|--------|-----------|-----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|
| SUBSTRATE:<br>ANCHOR TYPE:                                                                       |  | SASH HEIGHT |        |        |           |        |           |           |        |        |          |        |        |          |        |        |          |        |        |          |        |        |          |        |        |
|                                                                                                  |  | 12.776      |        |        | 15.776    |        |           | 18.776    |        |        | 21.776   |        |        | 24.776   |        |        | 27.776   |        |        | 30.776   |        |        | 31.106   |        |        |
|                                                                                                  |  | 2,3 WOOD    | 2 CONC | 1 CONC | 2,3 WOOD  | 2 CONC | 1 CONC    | 2,3 WOOD  | 2 CONC | 1 CONC | 2,3 WOOD | 2 CONC | 1 CONC | 2,3 WOOD | 2 CONC | 1 CONC | 2,3 WOOD | 2 CONC | 1 CONC | 2,3 WOOD | 2 CONC | 1 CONC | 2,3 WOOD | 2 CONC | 1 CONC |
| WINDOW WIDTH                                                                                     |  |             |        |        |           |        |           |           |        |        |          |        |        |          |        |        |          |        |        |          |        |        |          |        |        |
| 19.125                                                                                           |  | 1           | 1      | 1      | 2         | 1      | 2         | 2         | 1      | 2      | 2        | 2      | 2      | 2        | 2      | 2      | 2        | 2      | 2      | 2        | 2      | 2      | 2        | 2      | 2      |
| 24.000                                                                                           |  | 2           | 1      | 1      | 2         | 1      | 2         | 2         | 2      | 2      | 2        | 2      | 2      | 2        | 2      | 2      | 2        | 2      | 2      | 3        | 2      | 2      | 3        | 2      | 2      |
| 32.000                                                                                           |  | 2           | 1      | 2      | 2         | 2      | 2         | 3         | 2      | 2      | 3        | 2      | 3      | 3        | 2      | 3      | 3        | 2      | 3      | 4        | 2      | 3      | 4        | 2      | 3      |
| 37.000                                                                                           |  |             |        |        | <b>79</b> |        |           |           |        |        |          |        |        |          |        |        |          |        |        |          |        |        |          |        |        |
|                                                                                                  |  | 2           | 1      | 2      | <b>2</b>  | 2      | <b>2</b>  | 3         | 2      | 3      | 3        | 2      | 3      | 3        | 3      | 3      | 3        | 3      | 3      | 4        | 3      | 3      | 4        | 3      | 4      |
| 40.000                                                                                           |  |             |        |        | <b>74</b> |        |           |           |        |        |          |        |        |          |        |        |          |        |        |          |        |        |          |        |        |
|                                                                                                  |  | 2           | 2      | 2      | <b>2</b>  | 2      | <b>2</b>  | 3         | 2      | 3      | 3        | 2      | 3      | 3        | 3      | 3      | 4        | 3      | 3      | 4        | 3      | 4      | 4        | 3      | 4      |
| 44.000                                                                                           |  |             |        |        | <b>68</b> |        | <b>78</b> |           |        |        |          |        |        |          |        |        |          |        |        |          |        |        |          |        |        |
|                                                                                                  |  | 2           | 2      | 2      | <b>2</b>  | 2      | <b>2</b>  | 3         | 2      | 3      | 3        | 3      | 3      | 4        | 3      | 3      | 4        | 3      | 4      | 5        | 3      | 4      | 5        | 3      | 4      |
| 48.000                                                                                           |  |             |        |        | <b>63</b> |        | <b>72</b> | <b>79</b> |        |        |          |        |        |          |        |        |          |        |        |          |        |        |          |        |        |
|                                                                                                  |  | 2           | 2      | 2      | <b>2</b>  | 2      | <b>2</b>  | 3         | 2      | 3      | 4        | 3      | 3      | 4        | 3      | 4      | 4        | 3      | 4      | 5        | 3      | 4      | 5        | 3      | 4      |
| 53.125                                                                                           |  | <b>73</b>   |        |        | <b>58</b> |        | <b>66</b> | <b>72</b> |        |        |          |        |        |          |        |        |          |        |        |          |        |        |          |        |        |
|                                                                                                  |  | 2           | 2      | 2      | <b>2</b>  | 2      | <b>2</b>  | 3         | 3      | 3      | 4        | 3      | 4      | 4        | 3      | 4      | 5        | 3      | 4      | 5        | 3      | 5      | 5        | 3      | 5      |

|                |               |                  |               |                                                                                        |                              |                                             |            |                 |                     |        |
|----------------|---------------|------------------|---------------|----------------------------------------------------------------------------------------|------------------------------|---------------------------------------------|------------|-----------------|---------------------|--------|
| Revsd By:      | Date:         | Revisions:       |               | 1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br><br>P.O. BOX 1529<br>NOKOMIS, FL 34274 | <b>PGT</b><br>Visibly Better | Description: ANCHORAGE SPACING, CUSTOM VIEW |            |                 |                     |        |
| Revsd By:      | Date:         | Revisions:       |               |                                                                                        |                              | Title: ALUM. SINGLE HUNG WINDOW, IMPACT     |            |                 |                     |        |
| Revsd By:      | Date:         | Revisions:       |               |                                                                                        |                              | Series/Model: SH700                         | Scale: NTS | Sheet: 10 of 11 | Drawing No. 4040-20 | Rev: F |
| Drawn By: F.K. | Date: 7/29/05 | Checked By: J.J. | Date: 2/23/07 |                                                                                        |                              |                                             |            |                 |                     |        |

- ANCHORAGE NOTES:**
- ANCHOR TYPES: 1 - 1/4" ELCO TAPCONS  
2 - 1/4" ELCO SS4 CRETE-FLEX  
3 - #12 SCREWS
  - ANCHOR LOCATIONS ARE BASED ON THE FOLLOWING DIMENSIONS:  
HEAD - 18 1/2" MAX. FROM CORNERS  
JAMBS - 17 1/2" MAX. FROM TOP CORNERS  
11 1/2" MAX. ABOVE THE MEETING RAIL  
6" MAX. BELOW MTG. RAIL  
15" MAX. FROM BOTTOM CORNERS  
SILL - ANCHORS NOT REQUIRED
  - DETERMINE THE ANHCOR QUANTITIES FOR CUSTOM VIEW WINDOWS FROM TABLES 7. AND 8. USING THE DIMENSIONAL CRITERIA OF NOTE 2. USE TABLE 7. FOR ABOVE THE MEETING RAIL AND TABLE 8. FOR BELOW.
  - AVAILABLE SASH HEIGHTS FOR CUSTOM VIEW WINDOWS ARE 12 5/8" MIN. TO 38" MAX.
  - TABLE WIDTH AND HEIGHT DIMENSION ARE FOR FLANGED WINDOWS. INTEGRAL FIN DIMENSIONS ARE 1" LESS.
  - DESIGN PRESSURE LIMITATIONS:  
SIZE BLOCKS OF THE ADJACENT TABLE WITH A BOLD ITALICIZED VALUE ABOVE THEM, INDICATE A MAXIMUM DESIGN PRESSURE WITH THE QUANTITY OF ANCHORS SHOWN IN BOLD. OTHERWISE, THE MAXIMUM DESIGN PRESSURE FOR THE RESPECTIVE SIZE AND GLASS TYPE IS AVAILABLE.

**TABLE 7. KEY:**

|              |            |
|--------------|------------|
|              | MAX. PSF   |
| (DP LIMITED) | <b>112</b> |
| HEAD         | <b>2</b>   |
| JAMB ABOVE   | <b>2</b>   |
| MTG. RAIL    |            |

**(FULL DP)**

|            |          |
|------------|----------|
| HEAD       | <b>2</b> |
| JAMB ABOVE | <b>4</b> |
| MTG. RAIL  |          |

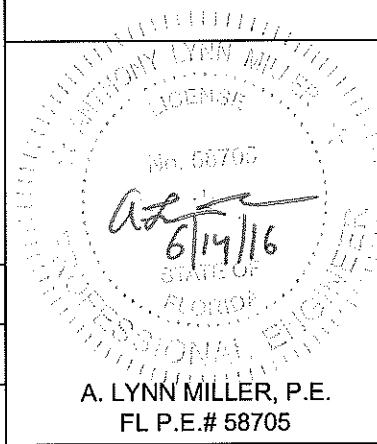
**TABLE 8. KEY:**

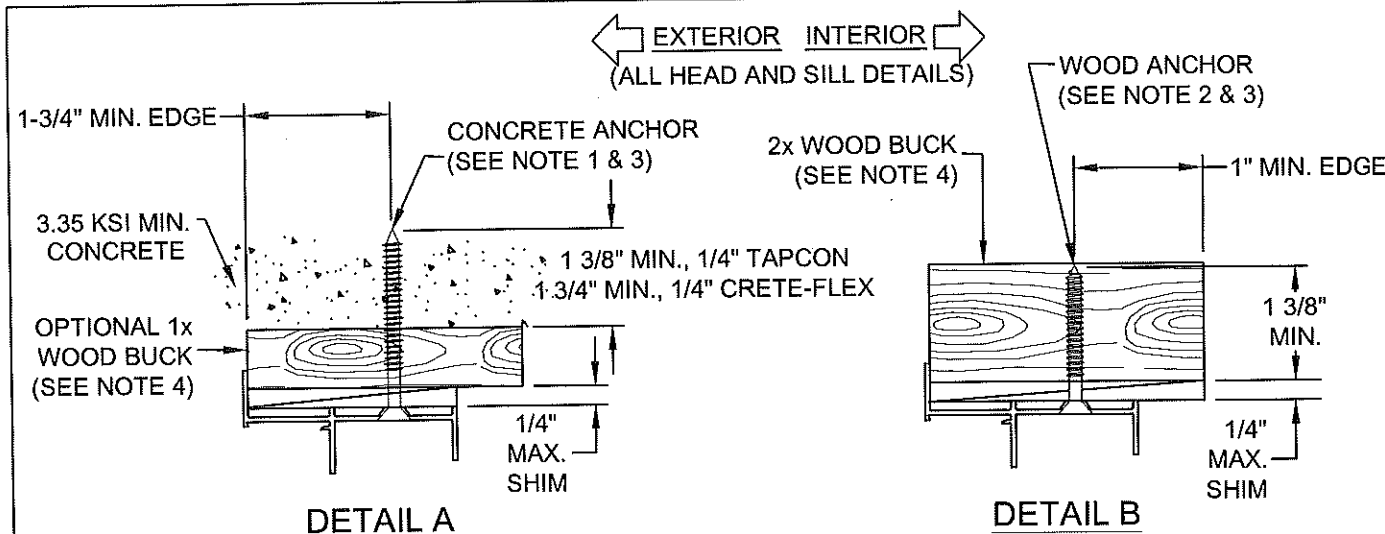
|              |            |
|--------------|------------|
|              | MAX. PSF   |
| (DP LIMITED) | <b>112</b> |
| JAMB BELOW   | <b>2</b>   |
| MTG. RAIL    |            |

**(FULL DP)**

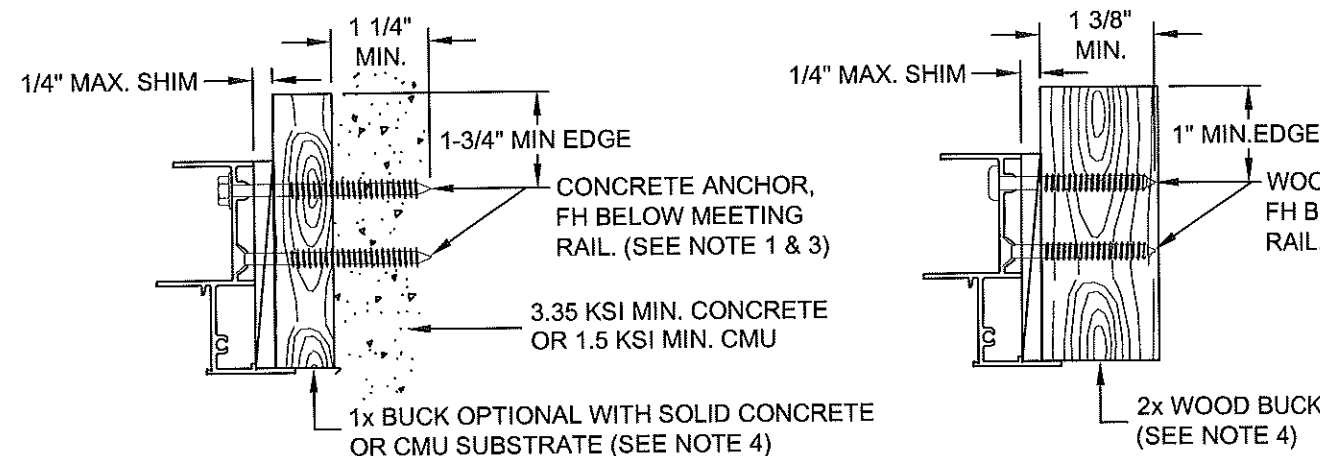
|            |          |
|------------|----------|
| JAMB BELOW | <b>2</b> |
| MTG. RAIL  |          |

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0714.06  
Expiration Date March 26, 2021  
By *Manuel Perez*  
Miami Dade Product Control

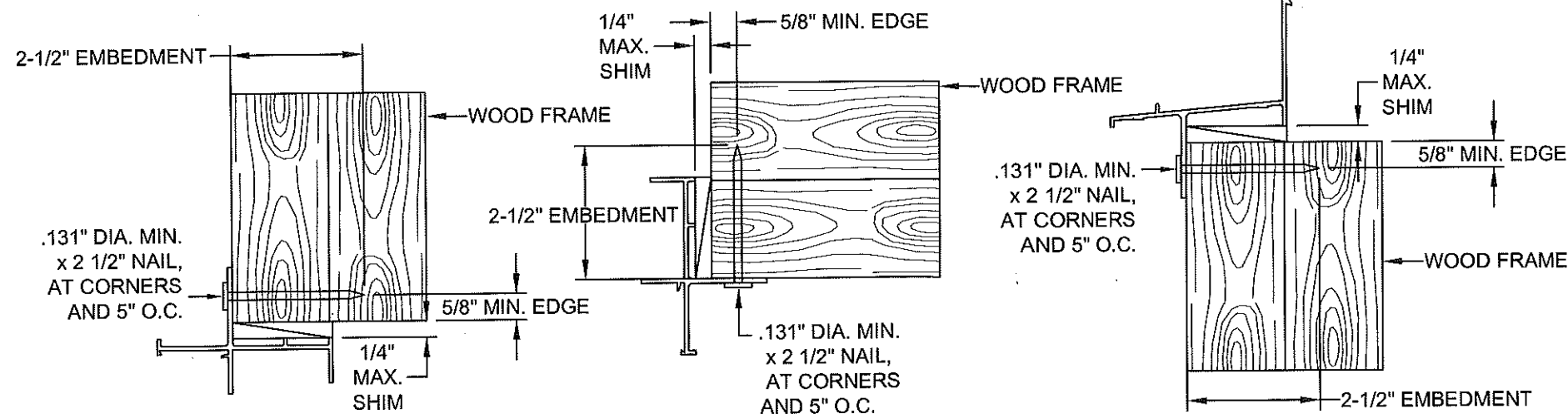




TYPICAL FLANGED HEAD ANCHORAGE



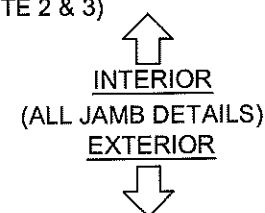
TYPICAL FLANGED JAMB ANCHORAGE



TYPICAL INTEGRAL FIN ANCHORAGE

NOTES:

1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 1/4" ELCO TAPCONS OR 1/4" SS4 CRETE-FLEX. MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1 3/4".
2. FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #12 STEEL SCREWS (G5) OR 1/4" SS4 CRETE-FLEX.
3. FLAT HEAD ANCHORS, WHERE REQUIRED, MUST HAVE #12 TRIMFIT HEADS.
4. 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 OR CMU. 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.
5. 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. THE ANCHOR SHALL BE A #12 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES AND ANCHORAGE SPACING FOR TAPCONS MAY BE USED. A FLANGED FRAME COMPONENT MAY BE SUBSTITUTED FOR AN INTEGRAL FIN FRAME COMPONENT FOR MULLED APPLICATIONS. FOR INTEGRAL FIN MULLED APPLICATIONS IT IS EXCEPTABLE TO REMOVE THE FIN AND ATTACH TO THE MULL THROUGH THE FRAME USING THE FLANGED FRAME ANCHORAGE REQUIREMENT.
6. ANCHORS ARE NOT REQUIRED AT THE SILL OF FLANGED UNITS.
7. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FBC CURRENT EDITION.



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0714.06  
Expiration Date March 26, 2021  
By *Manuel Perez*  
Miami Dade Product Control

Professional Engineer  
No. 58705  
A. LYNN MILLER, P.E.  
FL P.E.# 58705

|             |        |             |
|-------------|--------|-------------|
| Revised By: | Date:  | Revisions:  |
| Revised By: | Date:  | Revisions:  |
| Revised By: | Date:  | Revisions:  |
| Drawn By:   | Date:  | Checked By: |
| F.K.        | 9/1/05 | J.J.        |

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

**PGT**  
Visibly Better

|               |                                  |        |          |             |
|---------------|----------------------------------|--------|----------|-------------|
| Description:  | ANCHORAGE DETAILS                |        |          |             |
| Title:        | ALUM. SINGLE HUNG WINDOW, IMPACT |        |          |             |
| Series/Model: | SH700                            | Scale: | NTS      | Sheet:      |
|               |                                  |        | 11 of 11 | Drawing No. |
|               |                                  |        | 4040-20  | Rev:        |
|               |                                  |        |          | F           |