



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

PGT Industries
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 E dated 05/12/15, 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: 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 and renews NOA# 11-1013.14 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.**



Handwritten signature and date:
7/2/15

NOA No. 15-0519.08
Expiration Date: March 26, 2021
Approval Date: July 09 2015
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 E dated 05/12/15, 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) 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 previous NOA No.07-0322.06)
2. 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)*
3. 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)*
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 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)*


Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0519.08
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

5. 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)*
6. 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)*

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 05/12/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
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.



Manuel Perez, P.E.
Product Control Examiner
NOA No. **15-0519.08**

Expiration Date: **March 26, 2021**

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PGT Industries

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F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, dated May 16, 2015, issued by manufacturer, signed and sealed by A. Lynn Miller, P.E.
2. Statement letter of no financial interest, dated May 16, 2015, issued by manufacturer, signed and sealed by A. Lynn Miller, P.E.
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)

G. OTHERS

1. Notice of Acceptance No. **11-1013.14**, issued to PGT Industries for their Series "SH-700" Aluminum Single Hung Window - L.M.I., approved on 11/03/11 and expiring on 03/26/16.


Manuel Perez, P.E.

Product Control Examiner
NOA No. 15-0519.08

Expiration Date: March 26, 2021

Approval Date: July 09 2015

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.

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. 15-0519.08
Expiration Date March 26, 2021
By *Manuel Perez*
Miami/Dade Product Control

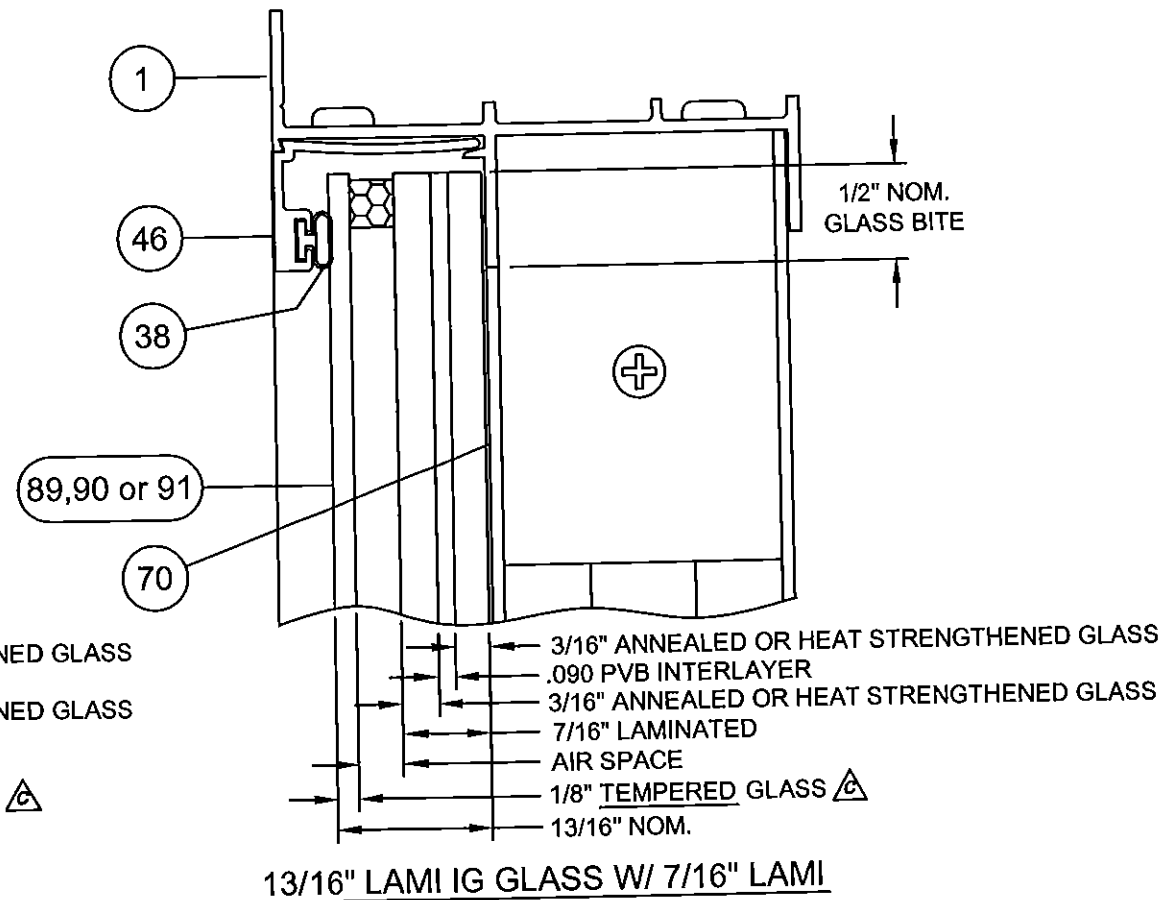
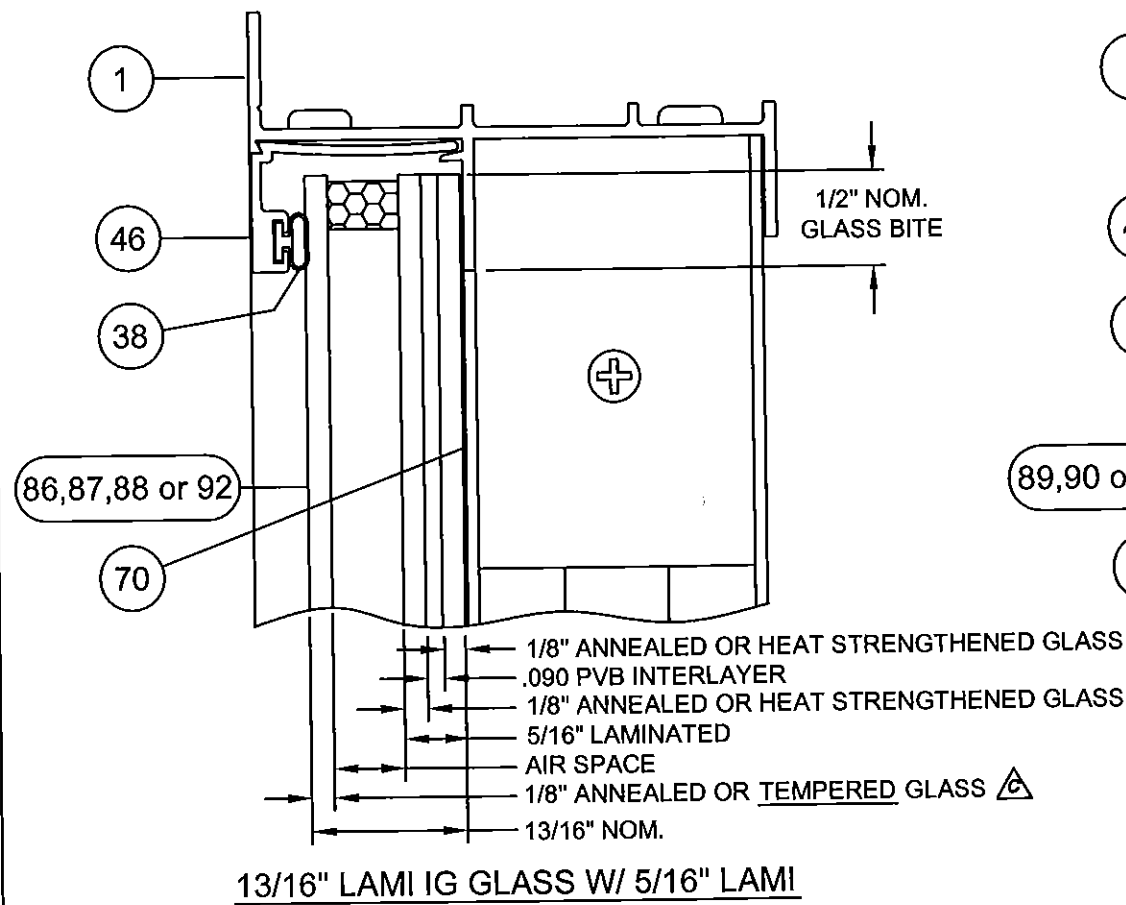
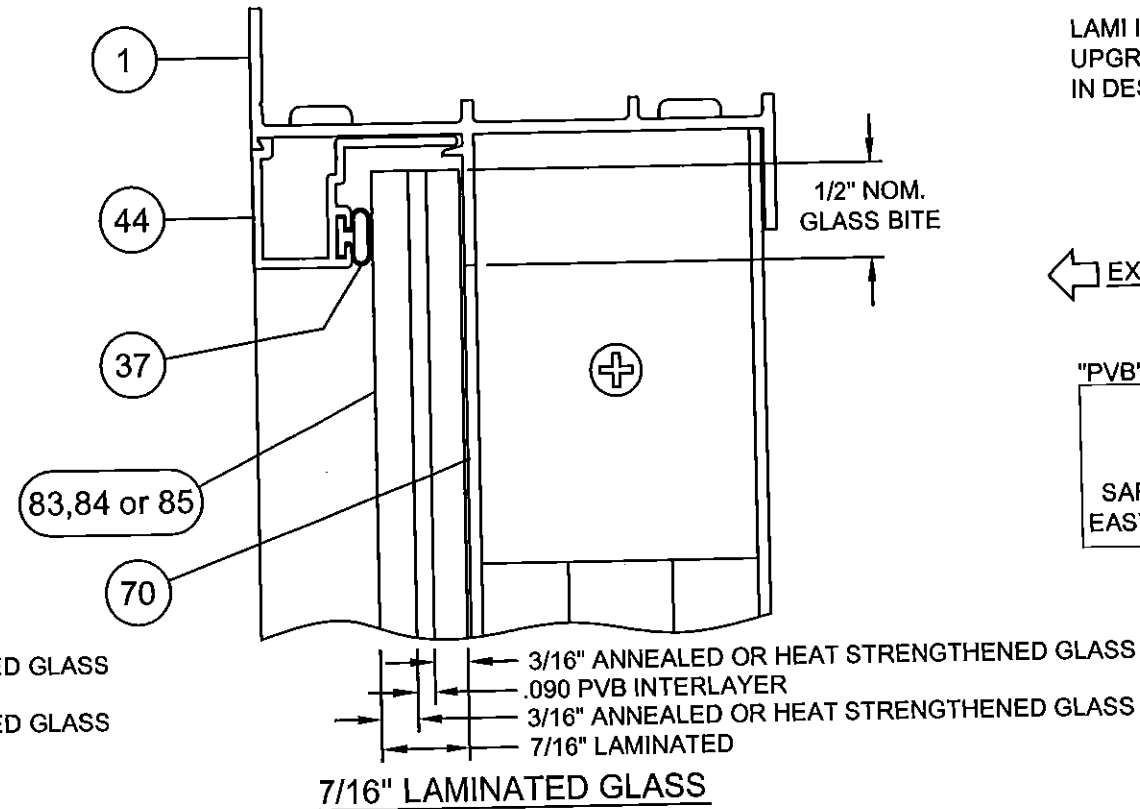
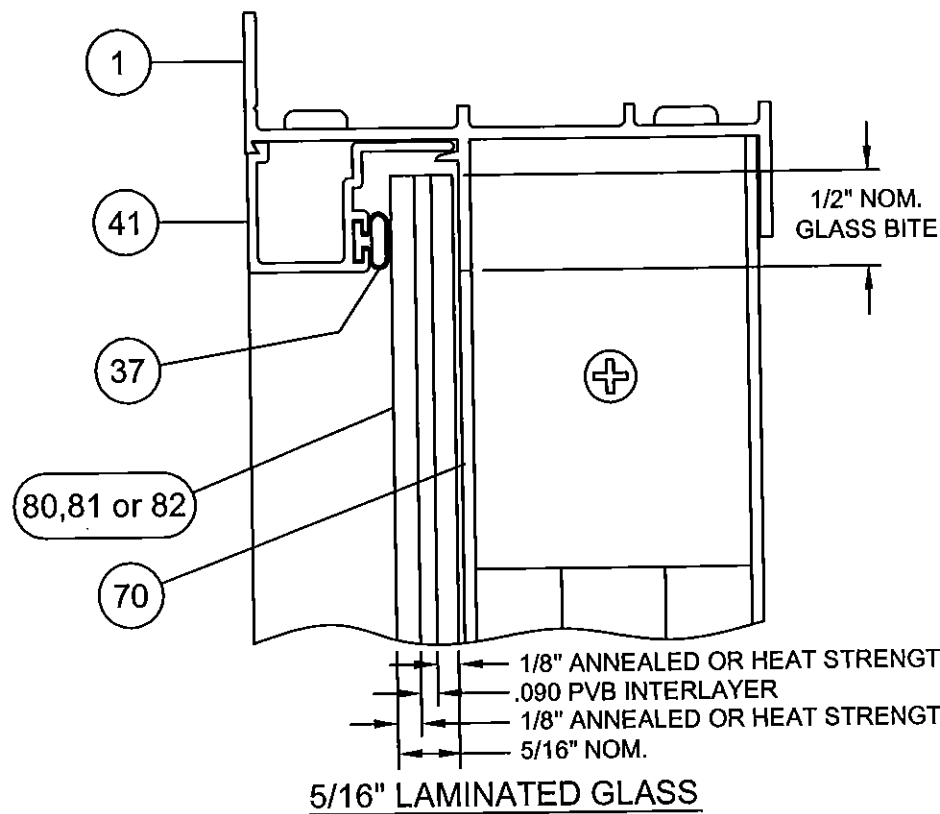
ANTHONY LYNN MILLER
LICENSE
No. 58705
7/2/15
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
FL P.E.# 58705

Revised By:	Date:	Revisions:	
L.M.	5/12/15	E	5TH EDITION (2014) FBC UPDATE
Revised By:	Date:	Revisions:	
J.J.	10/07/11	D	2010 FBC UPDATE
Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	CHANGED CAP GLASS TYPE TO TEMPERED FROM HS
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: GENERAL NOTES				
Title: ALUM. SINGLE HUNG WINDOW, IMPACT				
Series/Model:	Scale:	Sheet:	Drawing No.	Rev.
SH700	NTS	1 of 11	4040-20	E



NOTE:

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

← EXTERIOR INTERIOR →
(ALL SECTIONS)

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

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

ANTHONY LYNN MILLER
LICENSE
No. 58705
7/2/15
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
FL P.E.# 58705

Revised By: L.M.	Date: 5/12/15	Revisions: E	REVISED INTERLAYER MANUFACTURER
Revised By: J.J.	Date: 10/07/11	Revisions: D	NO CHANGES THIS SHEET
Revised By: J.R.	Date: 04/01/11	Revisions: C	CHANGED CAP GLASS TYPE TO TEMPERED FROM HS
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07

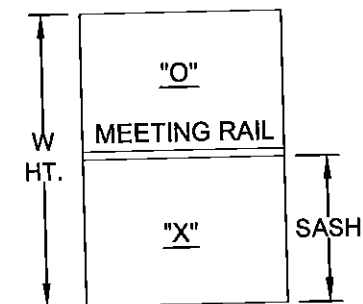
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

PGI
Visibly Better

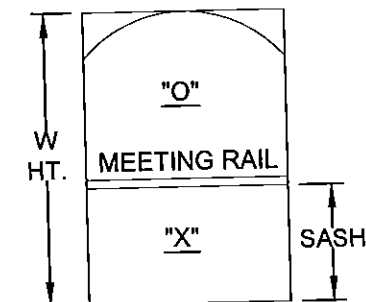
Description: **GLAZING DETAILS**
Title: **ALUM. SINGLE HUNG WINDOW, IMPACT**
Series/Model: SH700
Scale: Full
Sheet: 2 of 11
Drawing No. 4040-20
Rev: E

TABLE 1.

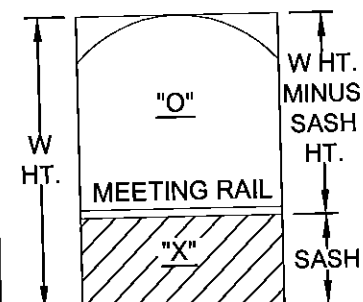
1/1 FLANGE OR INTEGRAL FIN WINDOWS W/ HIGH SILL OPTION BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS															
		WINDOW HEIGHT													
		63"		66"		68"		70"		72"		74"		76"	
WIDTH	GLASS TYPE														
48"	A,B,M	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+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 BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS															TABLE 2.	
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 BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS														TABLE 3.			
		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 ⁴ 	+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

Revised By: L.M.	Date: 5/12/15	Revisions: E	ADD SASH GLASS OPTIONS FOR CUSTOM VIEW WINDOWS
Revised By: J.J.	Date: 10/07/11	Revisions: D	NO CHANGES THIS SHEET
Revised By: J.R.	Date: 04/01/11	Revisions: C	CHANGED CAP GLASS TYPE TO TEMPERED FROM HS
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07

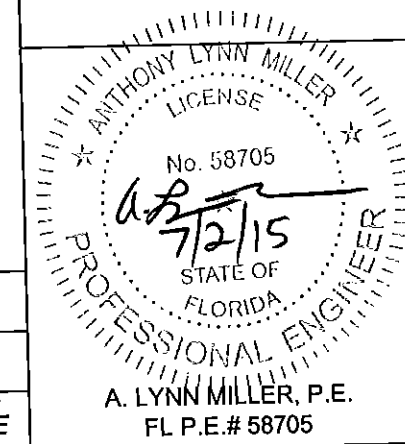
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275

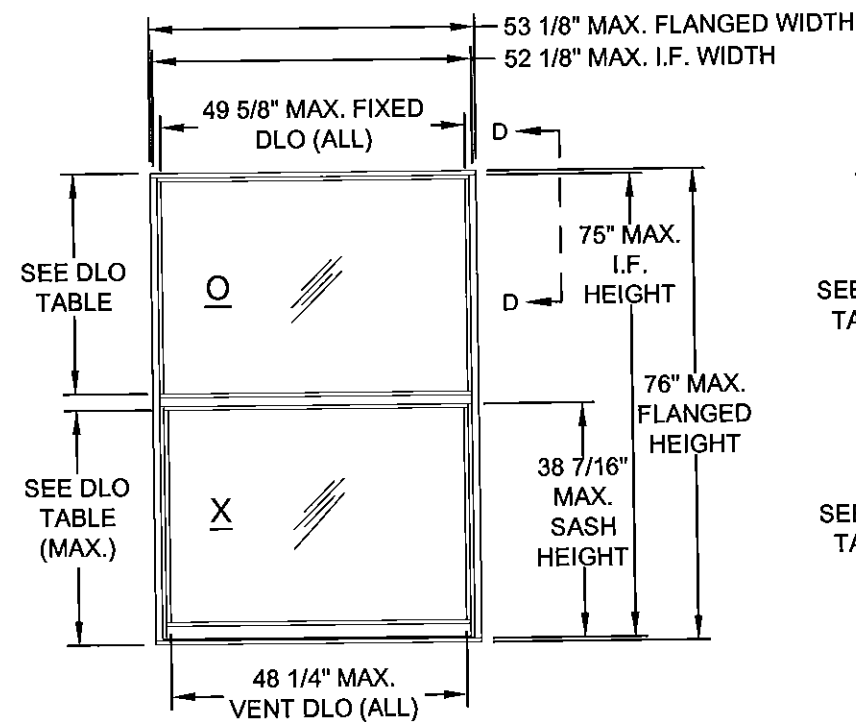
P.O. BOX 1529
NOKOMIS, FL 34274

PGI
Visibly Better

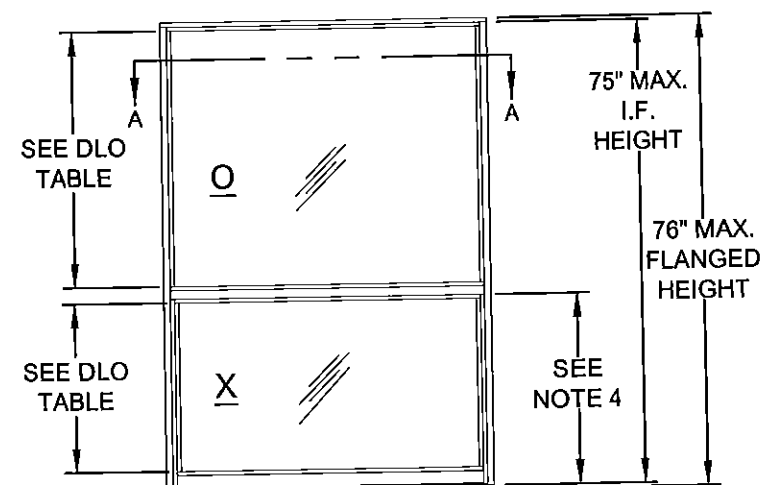
Description: DESIGN PRESSURES			
Title: ALUM. SINGLE HUNG WINDOW, IMPACT			
Series/Model: SH700	Scale: NTS	Sheet: 3 of 11	Drawing No. 4040-20
Rev: E			

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as complying with the Florida
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Acceptance No. 15-0519.08
Expiration Date March 26, 2021
By
Miami Dade Product Control

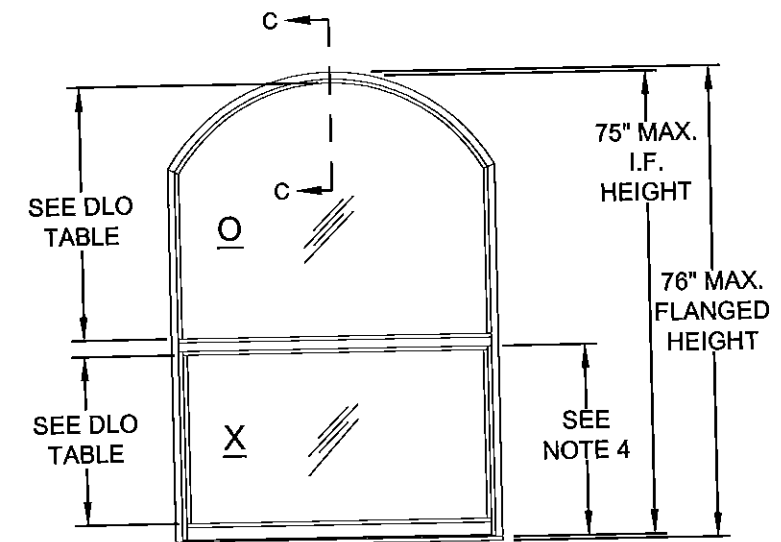




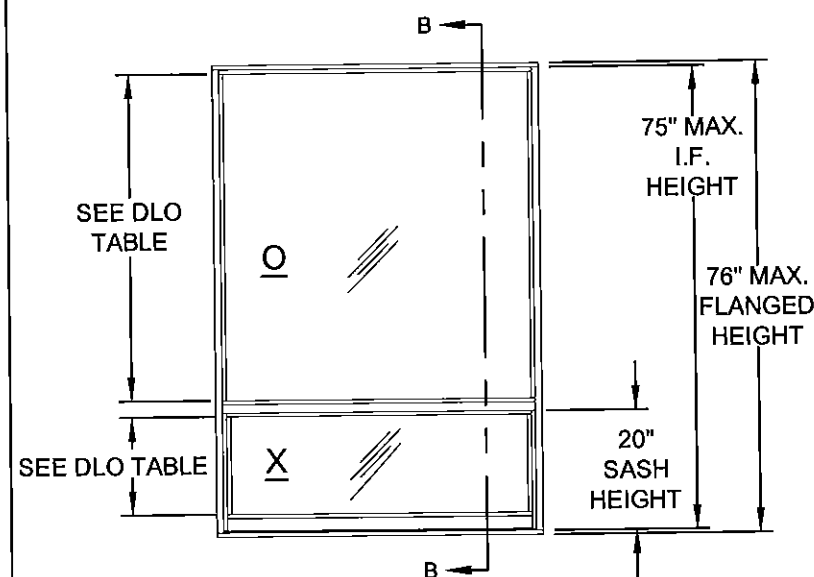
DETAIL A
1/1



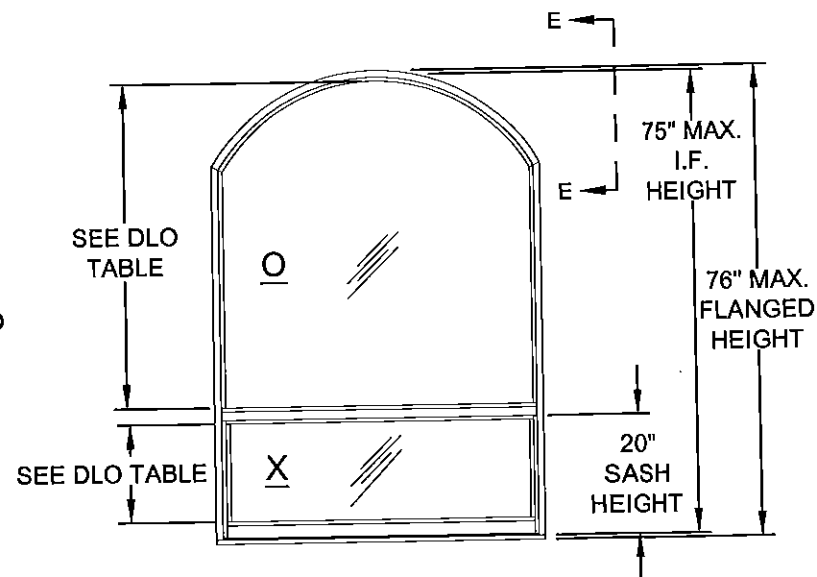
DETAIL B
VIEW (STANDARD SASH)



DETAIL C
RADIUS TOP (STANDARD SASH)



DETAIL D
VIEW (CUSTOM SASH)



DETAIL E
RADIUS TOP (CUSTOM SASH)

VERTICAL DAYLIGHT OPENING		
FIXED LITE		
DETAIL	LOW SILL	HIGH SILL
A	34 1/2"	34 3/16"
B	41 5/8"	41 1/4"
C	41 1/4"	40 7/8"
D	52 5/8"	52 11/16"
E	52 1/4"	52 5/16"
SASH		
DETAIL	LOW SILL	HIGH SILL
A	34 1/2"	34 3/16"
B	27 7/16"	27 1/8"
C	27 7/16"	27 1/8"
D	16 3/8"	15 3/4"
E	16 3/8"	15 3/4"

TABLE 5.

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.

Revised By: L.M.	Date: 5/12/15	Revisions: E	NO CHANGES THIS SHEET
Revised By: J.J.	Date: 10/07/11	Revisions: D	NO CHANGES THIS SHEET
Revised By: J.R.	Date: 04/01/11	Revisions: C	NO CHANGES THIS SHEET
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07

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Description:

ELEVATIONS

Title:

ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:
SH700

Scale:
NTS

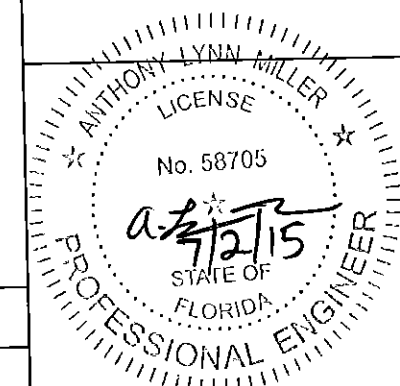
Sheet:
4 of 11

Drawing No.

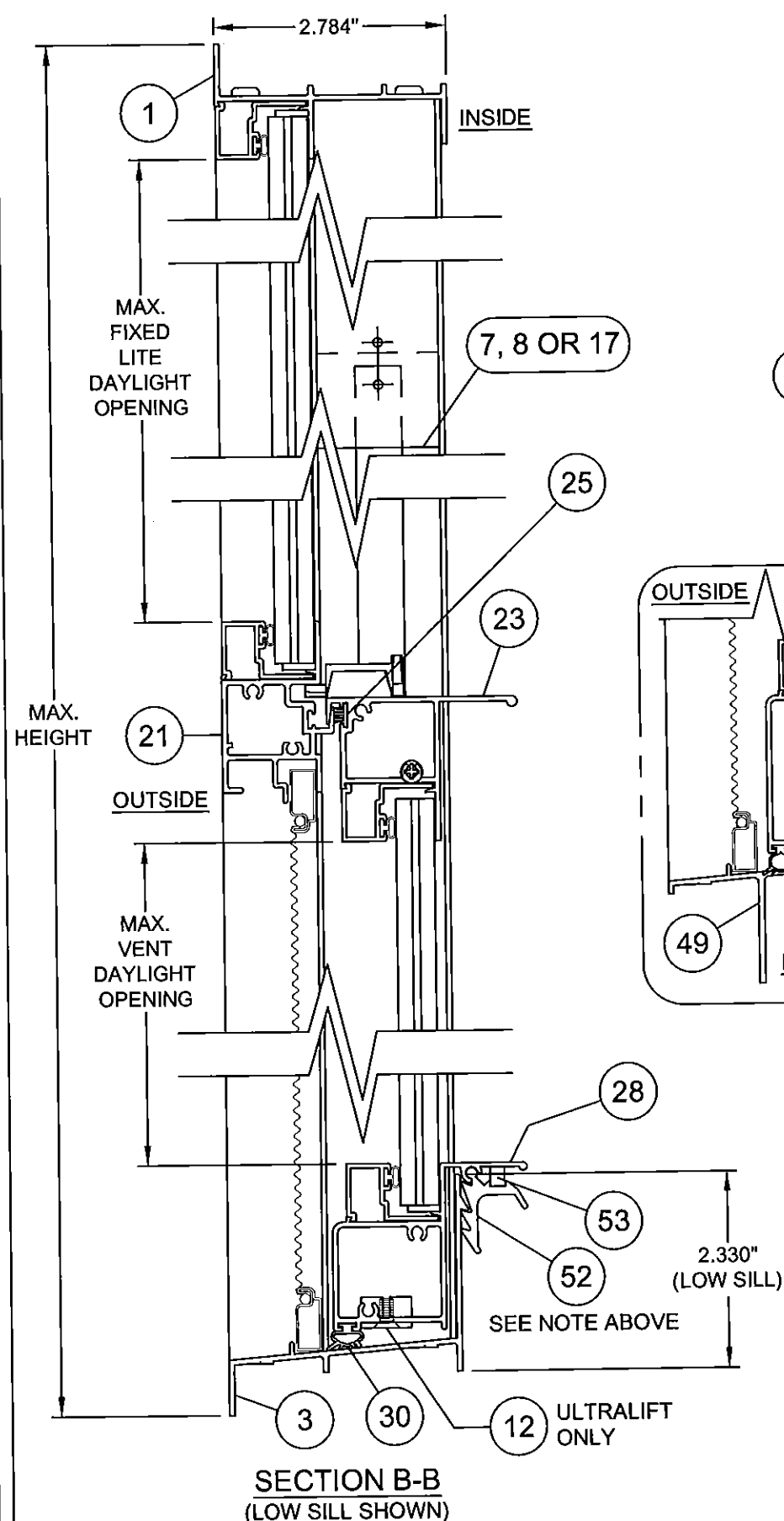
4040-20

Rev:
E

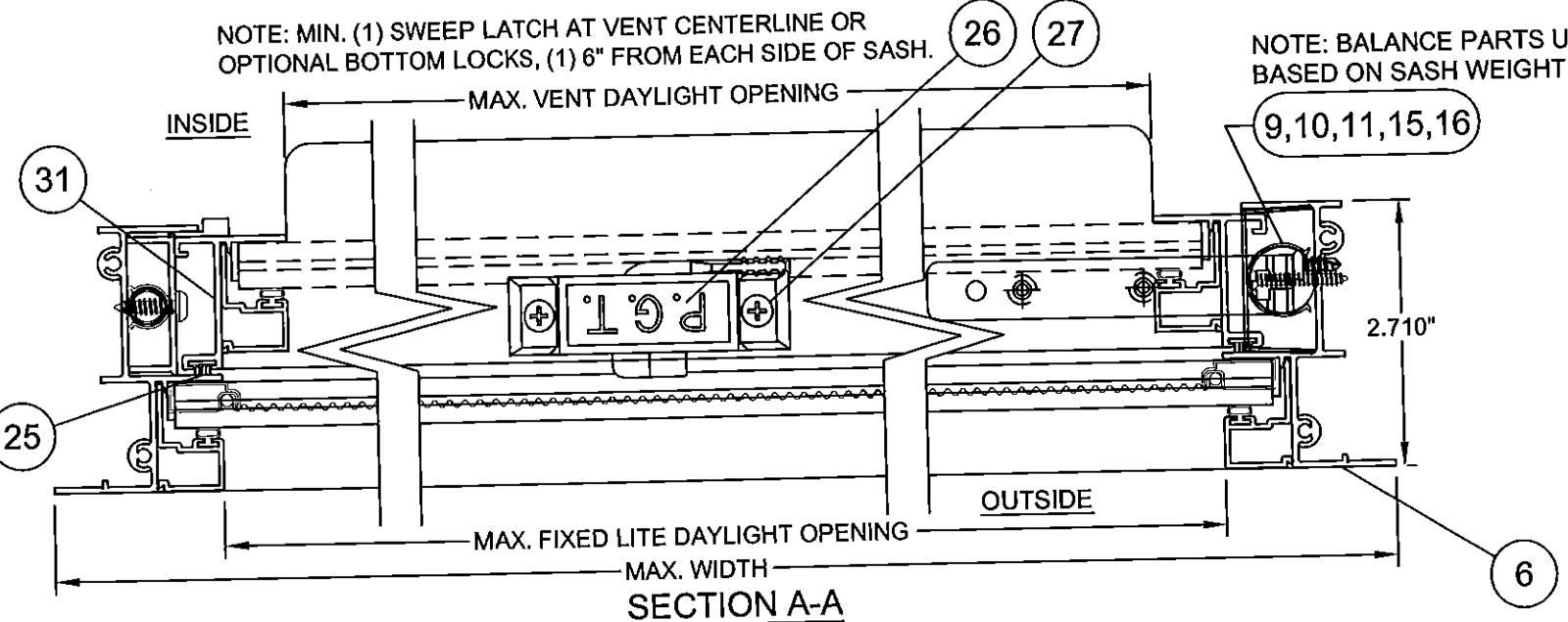
PRODUCT REVISED
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Acceptance No. 15-0519.08
Expiration Date March 26, 2021
By: *[Signature]*
Miami Dade Product Control



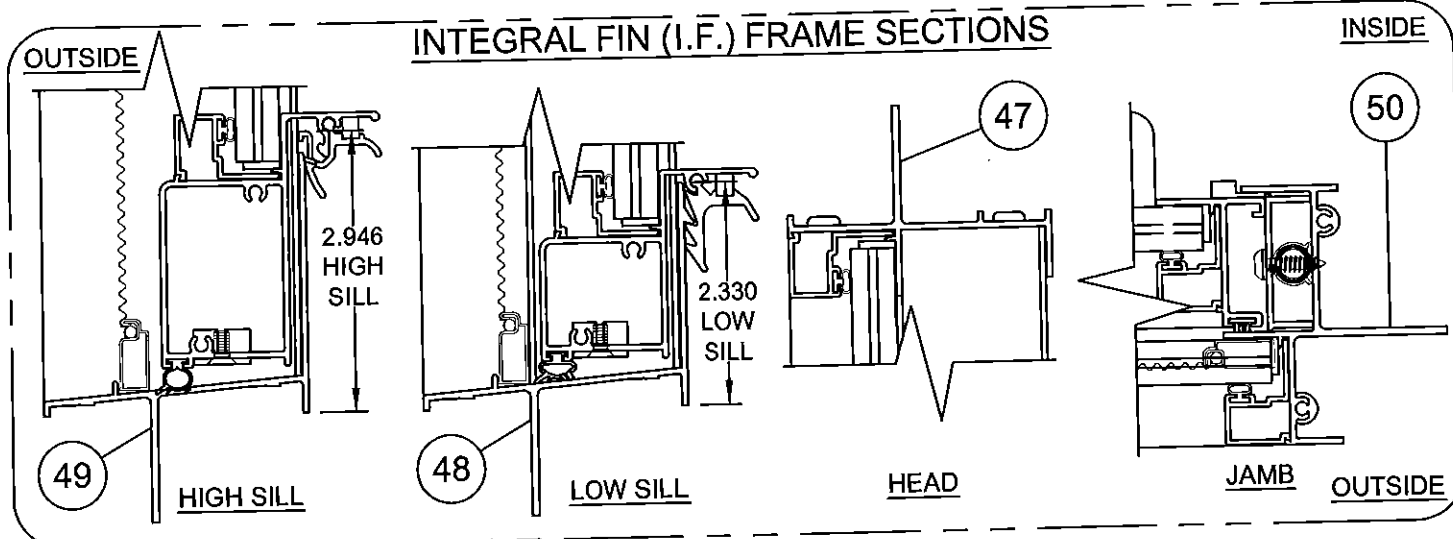
A. LYNN MILLER, P.E.
FL P.E.# 58705



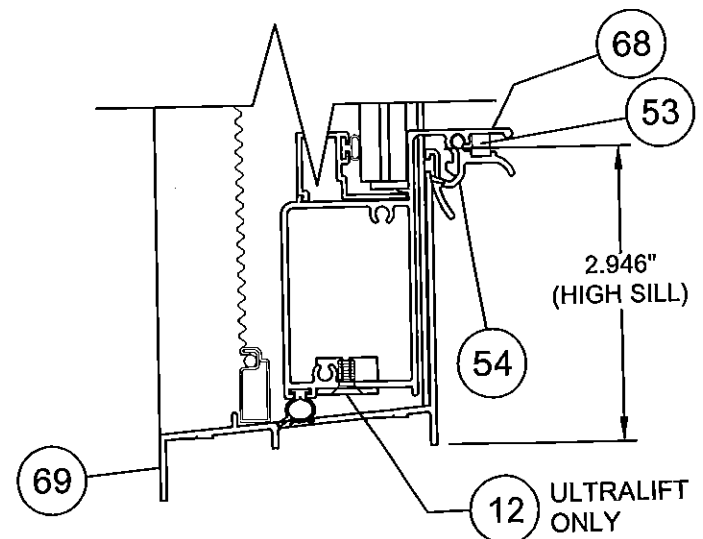
SECTION B-B
(LOW SILL SHOWN)



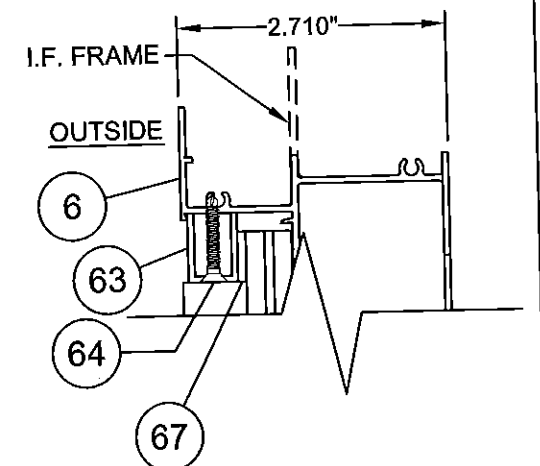
SECTION A-A



INTEGRAL FIN (I.F.) FRAME SECTIONS



ALTERNATE HIGH SILL



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

Revised By: L.M.	Date: 5/12/15	Revisions: E	NO CHANGES THIS SHEET
Revised By: J.J.	Date: 10/07/11	Revisions: D	NO CHANGES THIS SHEET
Revised By: J.R.	Date: 04/01/11	Revisions: C	NO CHANGES THIS SHEET
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07

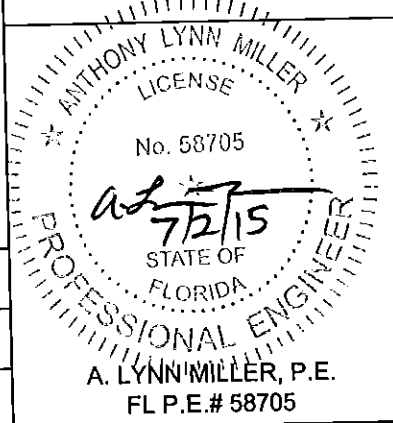
1070 TECHNOLOGY DRIVE
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P.O. BOX 1529
NOKOMIS, FL 34274



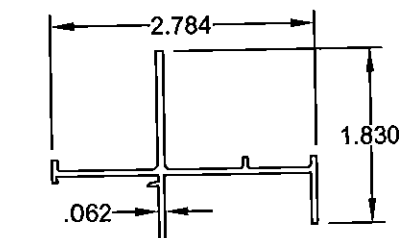
Description: SECTIONS			
Title: ALUM. SINGLE HUNG WINDOW, IMPACT			
Series/Model: SH700	Scale: Half	Sheet: 5 of 11	Drawing No. 4040-20
Rev: E			

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Acceptance No. 15-0519.08
Expiration Date March 26, 2021
By *Manuel Perez*
Miami Dade Product Control

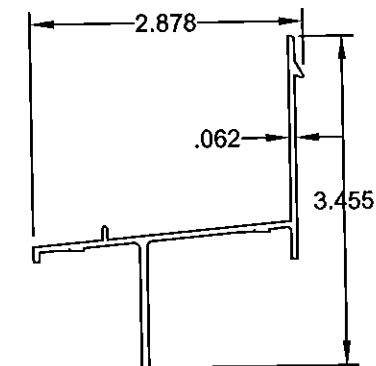


ITEM	DWG.#	DESCRIPTION	PGT#
1	4002A	FLANGE FRAME HEAD	612225
2	1155	#8 X 1.000 QUAD PN. SMS	781PQA
3	4003C	FLANGE FRAME SILL (LOW SILL)	612226
5	1626	ADHESIVE OPEN CELL FOAM PAD	7PAD1626
6	4004	FLANGE FRAME JAMB	612227
7	4025	SASH STOP	612244
8	4025	SASH STOP (EGRESS) 1.125 LONG	612244
9	4029	SPIRAL 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

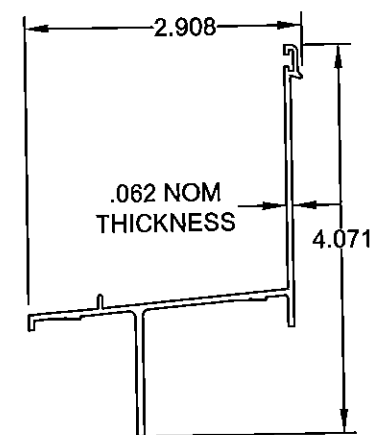
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60	1635	SCREEN SPLINE - .135 DIA. HARD	61635K
61		SCREEN CLOTH	61816
63	505	GLAZING CHANNEL (.688 X .500)	6533402
64	1161	#6 X 1.000 PH. BUGLE TEK	706X1
67		GLAZING TAPE, 1/16 X 1/2 - 7/16 LAMI	62BV1510
68	4051A	SASH BOTTOM RAIL (HIGH SILL)	64051
69	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)	



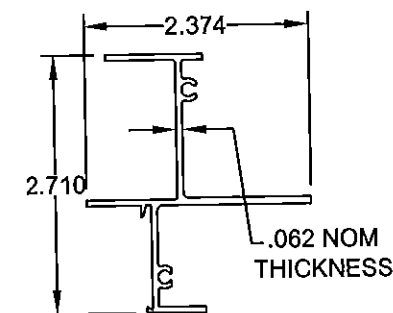
47 FRAME, I.F. HEAD
#4071A, 6063-T6



48 FRAME, I.F. LOW SILL
#4072A, 6063-T6



49 FRAME, I.F. HIGH SILL
#4073A, 6063-T6



50 FRAME, I.F. JAMB
#4074B, 6063-T6
(USED AS RADIUS TOP HEAD)

Revised By:	Date:	Revisions:	
L.M.	5/12/15	E	NO CHANGES THIS SHEET
Revised By:	Date:	Revisions:	
J.J.	10/07/11	D	NO CHANGES THIS SHEET
Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	CHANGED CAP GLASS TYPE TO TEMPERED FROM HS
Drawn By:	Date:	Checked By:	Date:
F.K.	9/1/05	J.J.	2/23/07

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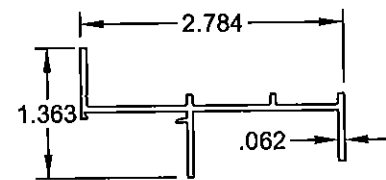
P.O. BOX 1529
NOKOMIS, FL 34274

PGI
Visibly Better

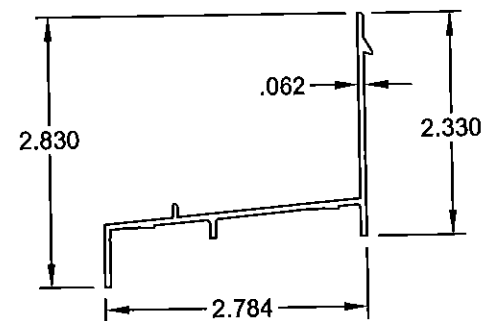
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Title:	ALUM. SINGLE HUNG WINDOW, IMPACT			
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	NTS	6 of 11	4040-20	E

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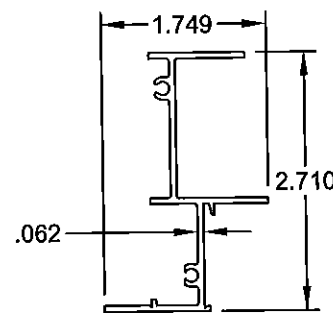
ANTHONY LYNN MILLER
LICENSE
No. 58705
A. LYNN MILLER, P.E.
FL P.E.# 58705



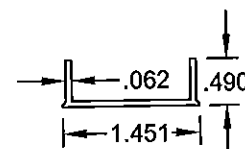
1 **FLANGE FRAME HEAD**
#4002A, 6063-T6



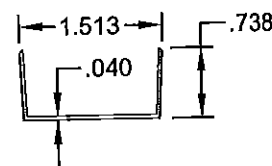
3 **FLANGE FRAME SILL (LOW)**
#4003C, 6063-T6



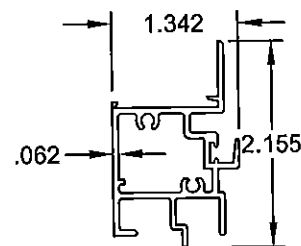
6 **FLANGE FRAME JAMB**
#4004, 6063-T5
(USED AS RADIUS TOP HEAD)



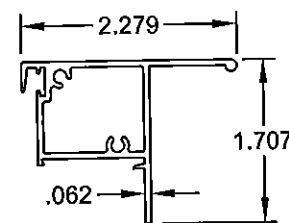
7 **SASH STOP**
#4025, 6063-T5



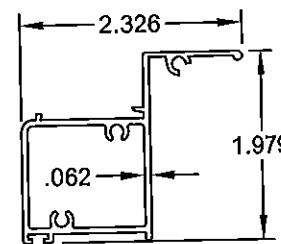
17 **SASH STOP COVER**
#4053, 6063-T5



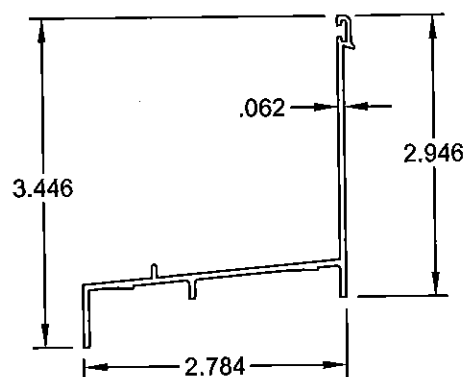
21 **FIXED MEETING RAIL**
#4054A, 6063HD-T6



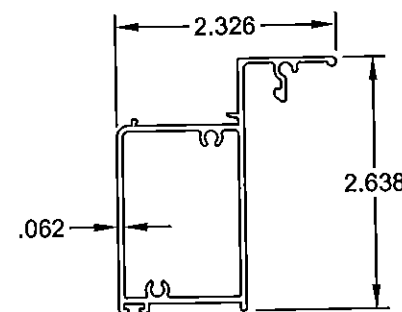
23 **SASH TOP RAIL**
#4006C, 6063HS-T6



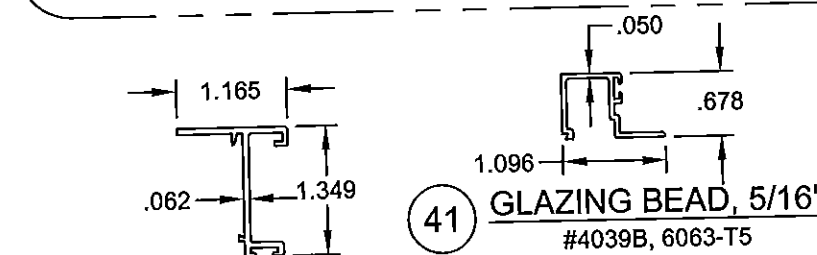
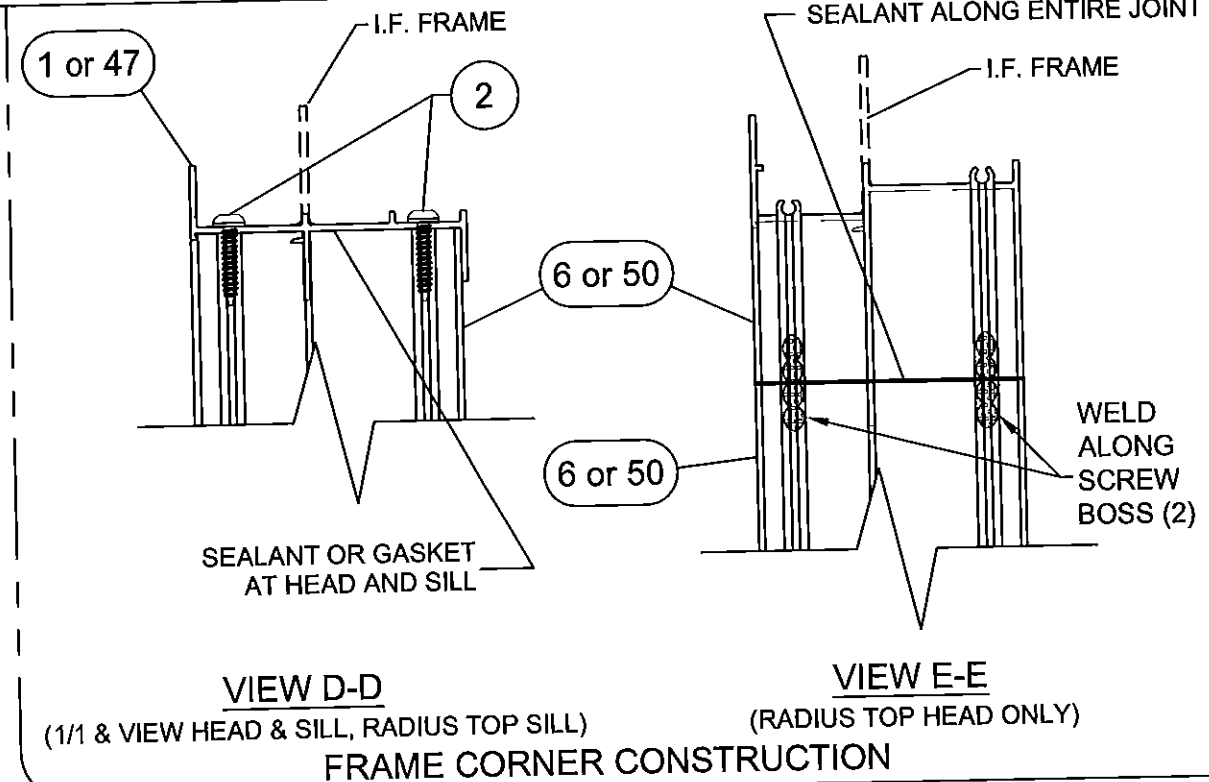
28 **SASH BOTTOM RAIL (LOW)**
#4007, 6063-T5



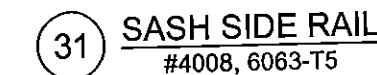
69 **FLANGE FRAME SILL (HIGH)**
#4050A, 6063-T6



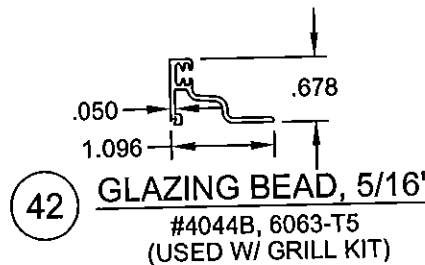
68 **SASH BOTTOM RAIL (HIGH)**
#4051A, 6063-T5



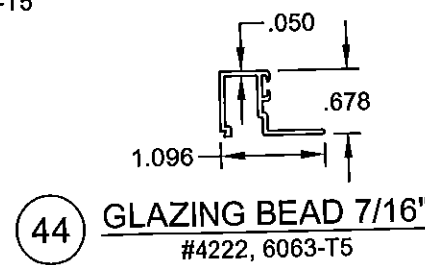
41 **GLAZING BEAD, 5/16"**
#4039B, 6063-T5



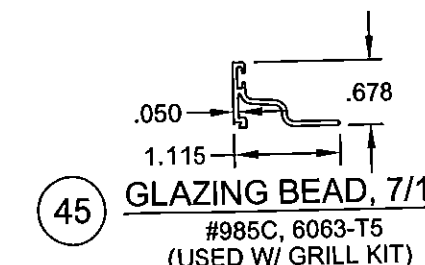
31 **SASH SIDE RAIL**
#4008, 6063-T5



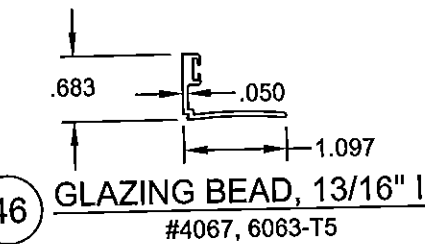
42 **GLAZING BEAD, 5/16"**
#4044B, 6063-T5
(USED W/ GRILL KIT)



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

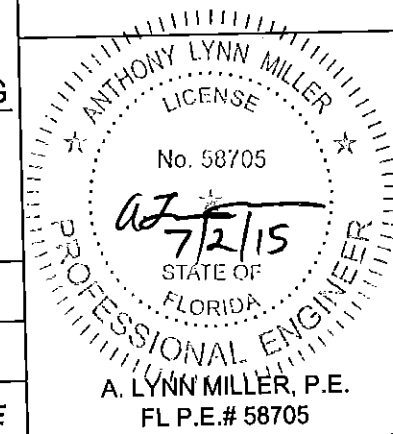


45 **GLAZING BEAD, 7/16"**
#985C, 6063-T5
(USED W/ GRILL KIT)



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

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Expiration Date March 26, 2021
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Miami/Dade Product Control



Revised By: L.M.	Date: 5/12/15	Revisions: E	NO CHANGES THIS SHEET
Revised By: J.J.	Date: 10/07/11	Revisions: D	NO CHANGES THIS SHEET
Revised By: J.R.	Date: 04/01/11	Revisions: C	NO CHANGES THIS SHEET
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:	EXTRUSIONS & FRAME CORNER DETAIL			
Title:	ALUM. SINGLE HUNG WINDOW, IMPACT			
Series/Model:	SH700	Scale:	Half	Sheet: 7 of 11
Drawing No.	4040-20	Rev:	E	

ANCHOR QUANTITIES FOR 1/1 FLANGED WINDOWS																									TABLE 5.
		WINDOW HEIGHT																							
		28.603			34.603			40.603			46.603			52.603			58.603			64.603			76.000		
		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
SUBSTRATE:	ANCHOR TYPE:	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	WOOD	CONC	CONC	WOOD	CONC	CONC	WOOD	CONC	CONC	WOOD	CONC	CONC	WOOD	CONC	CONC	WOOD	CONC	CONC	WOOD	CONC	CONC	WOOD	CONC	CONC
19.125	C,D,E,F,G, 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, 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, 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, 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, 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, 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, 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
53.125	PSF	72		79	79																				
	C,D,E,F,G, 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

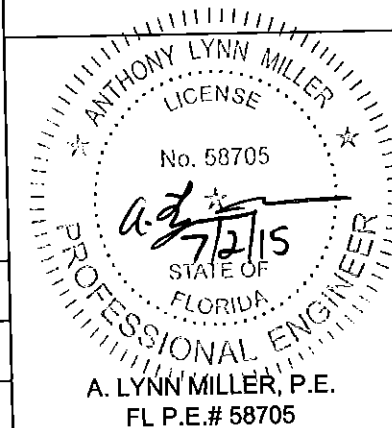
ANCHORAGE NOTES:

- 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)	118
HEAD	2
JAMB ABOVE	2 3
MTG. RAIL	
JAMB BELOW	
MTG. RAIL	
(FULL DP)	
HEAD	2
JAMB ABOVE	2 3
MTG. RAIL	
JAMB BELOW	
MTG. RAIL	

PRODUCT REVISED
as complying with the Florida
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Acceptance No. 15-0519.08
Expiration Date March 26, 2021
By *Manuel Miller*
Miami Dade Product Control



Revised By:	Date:	Revisions:	
L.M.	5/12/15	E	NO CHANGES THIS SHEET
Revised By:	Date:	Revisions:	
J.J.	10/07/11	D	NO CHANGES THIS SHEET
Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	NO CHANGES THIS SHEET
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:	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.:	E		

ANCHOR QUANTITIES FOR STANDARD VIEW AND RADIUS TOP FLANGED WINDOWS

TABLE 6.

SUBSTRATE: 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, 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, 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, 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, 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, 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, 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, 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	41	67	46	67		76	79																	
53.125	C,D,E,F,G, 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																	

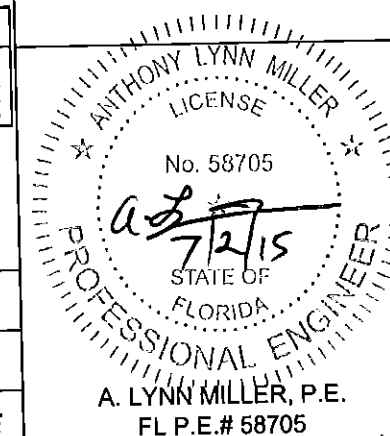
ANCHORAGE NOTES:

- 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)	117
HEAD	3
JAMB ABOVE	3
JAMB BELOW	3
MTG. RAIL	
(FULL DP)	
HEAD	2
JAMB ABOVE	2
JAMB BELOW	2
MTG. RAIL	

PRODUCT REVISED
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Expiration Date March 26, 2021
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Miami Dade Product Control



Revised By: L.M.	Date: 5/12/15	Revisions: E	NO CHANGES THIS SHEET
Revised By: J.J.	Date: 10/07/11	Revisions: D	NO CHANGES THIS SHEET
Revised By: J.R.	Date: 04/01/11	Revisions: C	ADD DP MAX. WHERE ANCHOR QTY IS RESTRICTED BY SIZE.
Drawn By: F.K.	Date: 7/29/05	Checked By: J.J.	Date: 2/23/07

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



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

ANCHOR QUANTITIES ABOVE MEETING RAIL (HEAD & JAMBS), CUSTOM FLANGED WINDOW HEIGHT MINUS SASH HEIGHT																									TABLE 7.		
SUBSTRATE: 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				
WINDOW WIDTH	GLASS TYPE	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		
19.125	D,E,F,J, K,L	1 1	1 1	1 1	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 3	1 2	1 3	1 3	1 2	1 3	1 3	1 3	1 3		
24.000	D,E,F,J, K,L	1 1	1 1	1 1	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 3	1 3	1 2	1 3	1 3	1 2	1 3	1 3	1 3	1 3	1 3	1 3	1 4		
32.000	D,E,F,J, K,L	1 1	1 1	1 1	1 2	1 2	1 2	2 3	1 2	1 3	2 3	1 3	1 3	1 3	1 2	1 3	1 4	1 3	1 4	1 4	1 3	1 4	1 4	5 5	3 5		
37.000	PSF				79																						
	D,E,F,J, K,L	1 1	1 1	1 1	2 2	1 2	2 2	2 3	1 2	2 3	2 3	1 3	2 4	2 3	1 3	2 3	2 4	1 3	2 4	2 4	1 4	2 5	2 5	1 4	2 5		
40.000	PSF	79			79	79			79																		
	D,E,F,J, K,L	2 1	2 1	2 1	2 2	2 2	2 2	2 3	2 3	2 3	2 4	2 3	2 4	2 4	2 3	2 4	2 4	2 3	2 5	2 4	2 4	2 5	2 5	2 4	2 6		
44.000	PSF	79	76			79	77			79	79																
	D,E,F,J, K,L	2 1	2 1	2 1	2 2	2 2	2 2	2 3	2 3	2 3	2 4	2 4	2 4	2 4	2 3	2 5	2 4	2 3	2 5	2 5	2 4	2 5	2 5	2 4	2 6		
48.000	PSF	78	79	70	79	79	71	79	73			76															
	D,E,F,J, K,L	2 1	2 1	2 1	2 2	2 2	2 2	2 3	2 3	2 3	3 4	2 4	2 4	2 4	2 5	2 4	2 5	3 5	2 4	2 6	3 5	2 4	2 6	3 6	2 5		
53.125	PSF	71	79	63	71	79	64	74	66			77	69						69								
	D,E,F,J, K,L	2 1	2 1	2 1	2 2	2 2	2 2	3 3	2 3	2 3	3 4	2 4	3 4	3 4	3 5	2 4	3 5	3 6	2 5	3 6	3 6	2 5	3 7	3 6	2 5		

ANCHOR QUANTITIES AT JAMBS BELOW MEETING RAIL, CUSTOM FLANGED WINDOWS BASED ON SASH HT. TABLE 8.

SUBSTRATE: ANCHOR TYPE:		SASH HEIGHT																									
		12.776			15.776			18.776			21.776			24.776			27.776			30.776			31.106				
WINDOW WIDTH	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			
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				79																							
	2	1	2	2	2	2	3	2	3	3	2	3	3	3	3	3	3	3	4	3	3	4	3	4			
40.000				74																							
	2	2	2	2	2	2	3	2	3	3	2	3	3	3	3	4	3	3	4	3	4	4	3	4			
44.000				68	78																						
	2	2	2	2	2	2	3	2	3	3	3	3	4	3	3	4	3	4	5	3	4	5	3	4			
48.000				63	72			79																			
	2	2	2	2	2	2	3	2	3	4	3	3	4	3	4	4	3	4	5	3	4	5	3	4			
53.125	73				58	66			72																		
	2	2	2	2	2	2	3	3	3	4	3	4	4	3	4	5	3	4	5	3	5	5	3	5			

Revised By: L.M.	Date: 5/12/15	Revisions: E	NO CHANGES THIS SHEET
Revised By: J.J.	Date: 10/07/11	Revisions: D	NO CHANGES THIS SHEET
Revised By: J.R.	Date: 04/01/11	Revisions: C	NO CHANGES THIS SHEET
Drawn By: F.K.	Date: 7/29/05	Checked By: J.J.	Date: 2/23/07

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



Description: ANCHORAGE SPACING, CUSTOM VIEW
Title: ALUM. SINGLE HUNG WINDOW, IMPACT
Series/Model: SH700
Scale: NTS
Sheet: 10 of 11
Drawing No: 4040-20
Rev: E

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 ANCHOR 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)	112
HEAD	2
JAMB ABOVE MTG. RAIL	2

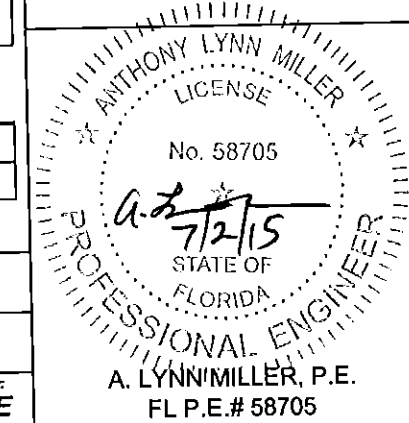
(FULL DP)	
HEAD	2
JAMB ABOVE MTG. RAIL	4

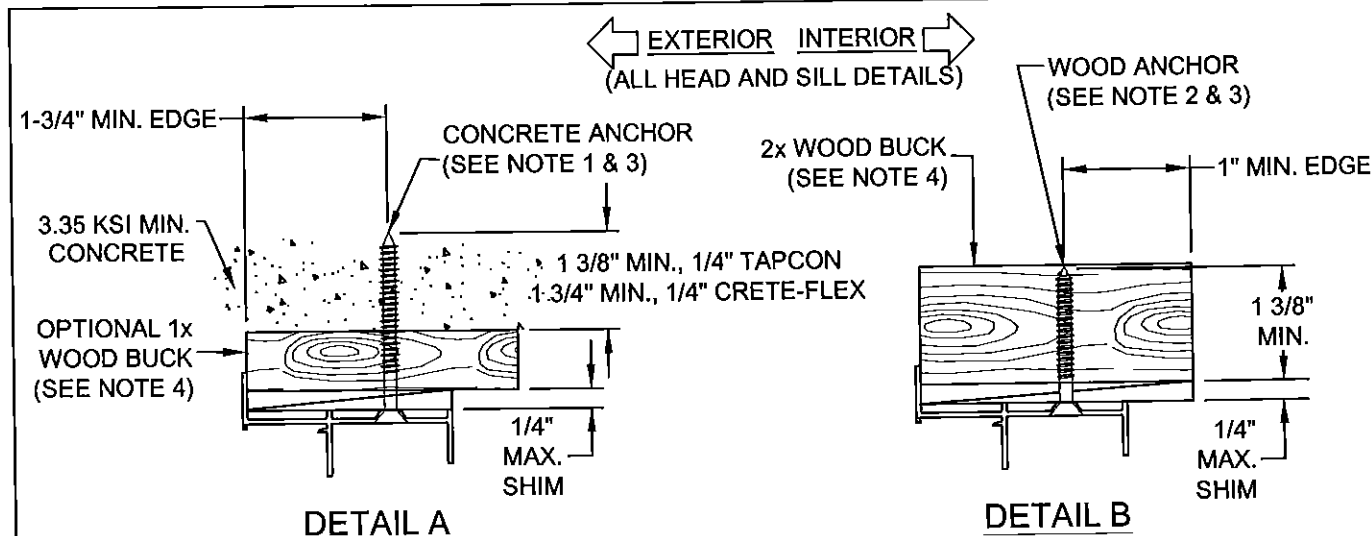
TABLE 8. KEY:

	MAX. PSF
(DP LIMITED)	112
JAMB BELOW MTG. RAIL	2

(FULL DP)	
JAMB BELOW MTG. RAIL	2

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Miami Dade Product Control

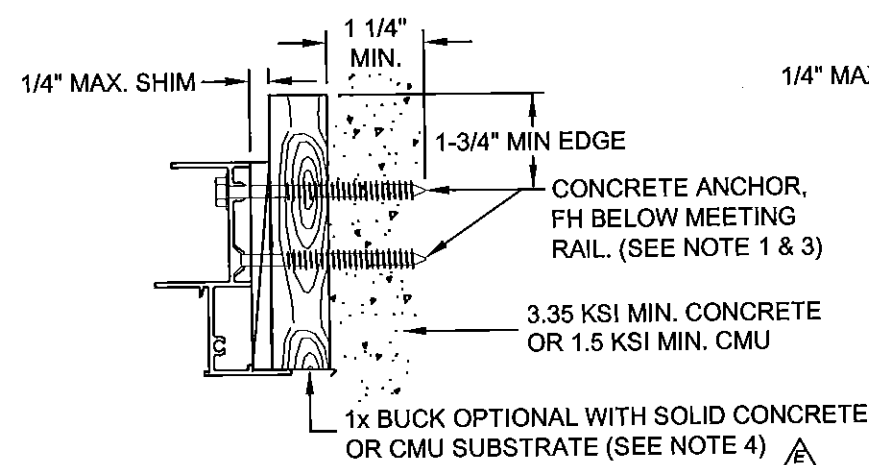




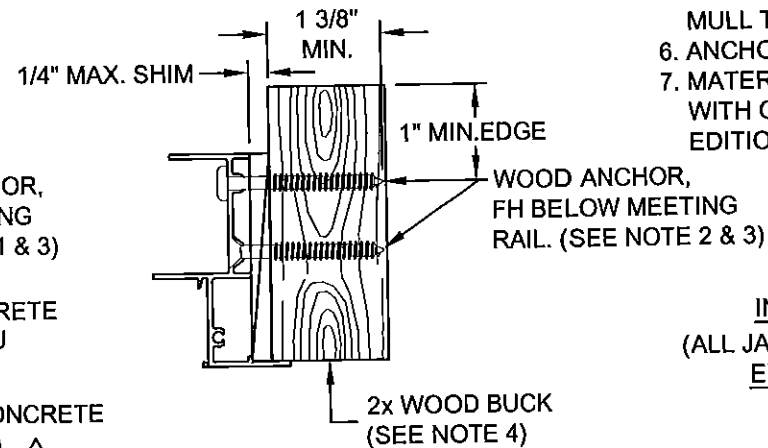
DETAIL A

DETAIL B

TYPICAL FLANGED HEAD ANCHORAGE

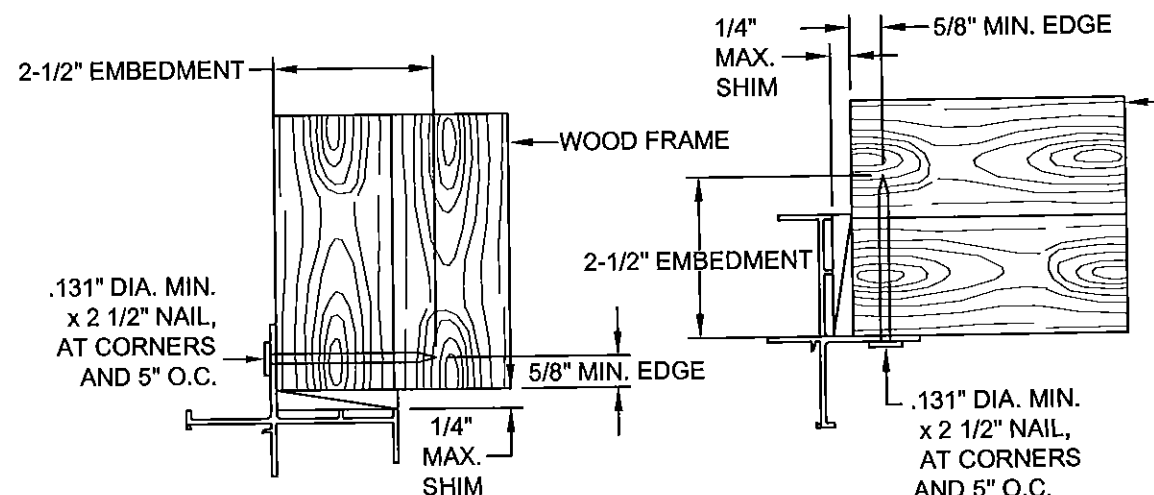


DETAIL C



DETAIL D

TYPICAL FLANGED JAMB ANCHORAGE

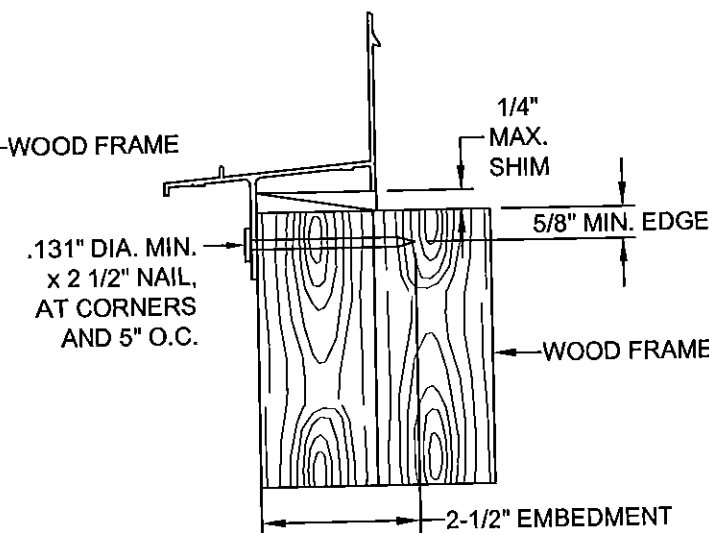
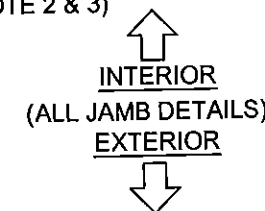


DETAIL F, (HEAD)

DETAIL E, (JAMB)

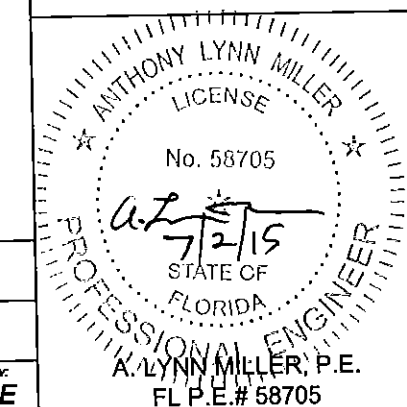
TYPICAL INTEGRAL FIN ANCHORAGE

- 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.



DETAIL G, (SILL)

PRODUCT REVISED
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Acceptance No. 15-0519.08
Expiration Date March 26, 2021
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Miami Dade Product Control



Revised By: L.M.	Date: 5/12/15	Revisions: E	CORRECT BUCK NOTE, REMOVE SECTION 2003.6.4 REF.
Revised By: J.J.	Date: 10/07/11	Revisions: D	NO CHANGES THIS SHEET
Revised By: J.R.	Date: 04/01/11	Revisions: C	NO CHANGES THIS SHEET
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

PGT
Visibly Better

Description:	ANCHORAGE DETAILS			
Title:	ALUM. SINGLE HUNG WINDOW, IMPACT			
Series/Model:	SH700	Scale:	NTS	Sheet: 11 of 11
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