MIAMI-DADE COUNTY

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
1070 Technology Drive
Nokomis, 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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 High Velocity Hurricane Zone of the Florida Building Code.

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 9/1/05, with revision dated 1/24/06, prepared by PGT Industries, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

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 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 consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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

PRODUCT CONTROL ACCEPTED

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **4040-20**, Sheets 1 through 11 of 11, titled "Alum. Single Hung Window, Impact", dated 9/1/05, with revision A dated 1/24/06, prepared by PGT Industries, signed and sealed by Robert L. Clark, P.E.

B. TESTS

1. 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 Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4645**, dated 08/11/05, signed and sealed by Edmundo Largaespada, 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) 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 3603.2 (b) and TAS 202-94
   along with marked-up drawings and installation diagram of an Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4647**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.
3. 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, Impact, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4648**, dated 08/10/05, signed and sealed by Edmundo Largaespada, P.E.
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 Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4649**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.
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 3603.2 (b) and TAS 202-94
   along with marked-up drawings and installation diagram of an Aluminum Single Hung

Manuel Perez, P.E.
Product Control Examiner
NOA No 05-1018.01
Expiration Date: March 23, 2011
Approval Date: March 23, 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

Window, Impact, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4650**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.

6. 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 Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4649**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.
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, Impact, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4646**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.
8. 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 Aluminum Single Hung Window, Impact, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4723**, dated 10/05/05, signed and sealed by Edmundo Largaespada, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by PGT Engineering, dated 10/12/05, signed and sealed by Robert L. Clark, P.E. **Complies with ASTM E1300-98/02**

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours for "**DuPont Butacite® PVB**" dated 01/05/06, expiring on 12/11/10.
2. Notice of Acceptance No. **03-0827.08** issued to Solutia Inc. for their "**Solutia Interlayer**" dated 03/04/04, expiring on 03/04/09.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated 10/12/05, signed and sealed by Robert L. Clark, P.E.
2. Statement letter of code compliance, dated 10/12/05, signed and sealed by Robert L. Clark, P.E.

G. OTHER

1. Letter from the consultant, dated December 15, 2005, stating that the product is in compliance with the Florida Building Code (FBC).

Manuel Perez, P.E.
Product Control Examiner
NOA No 05-1018.01
Expiration Date: March 23, 2011
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GENERAL NOTES: IMPACT SINGLE HUNG WINDOW

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

   A. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   B. 516" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   C. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   D. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   E. 716" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB.

   F. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   G. 13/16" LAMI IG: (1) LITE OF 1/8" HEAT STRENGTHENED GLASS, AN AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   H. 13/16" LAMI IG: (1) LITE OF 1/8" HEAT STRENGTHENED GLASS, AN AIR SPACE AND 516" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   I. 13/16" LAMI IG: (1) LITE OF 1/8" HEAT STRENGTHENED GLASS, AN AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   J. 13/16" LAMI IG: (1) LITE OF 1/8" HEAT STRENGTHENED GLASS, AN AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   K. 13/16" LAMI IG: (1) LITE OF 1/8" HEAT STRENGTHENED GLASS, AN AIR SPACE AND 716" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB.

   L. 13/16" LAMI IG: (1) LITE OF 1/8" HEAT STRENGTHENED GLASS, AN AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

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 1300-98.

   B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-98.

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. REFERENCE TEST REPORTS: FTL-4645, FTL-4646, FTL-4647, FTL-4648, FTL-4649, FTL-4650, FTL-4651 AND FTL-4723. (A)

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

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

Approved as complying with the Florida Building Code
Date MARCH 23, 2006
NOA# 05-1018.01
Miami Dade Product Control Division
By: Manuel Perez

Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Revsd By: F.K.	Date: 1/24/06	Revisions: A	ADD FTL-4723 TO NOTE 7.
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 10/10/05

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

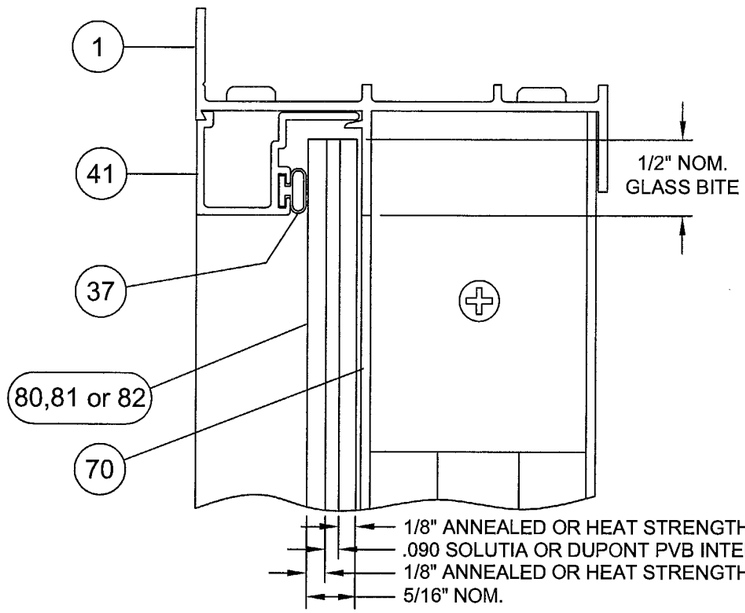
P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

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

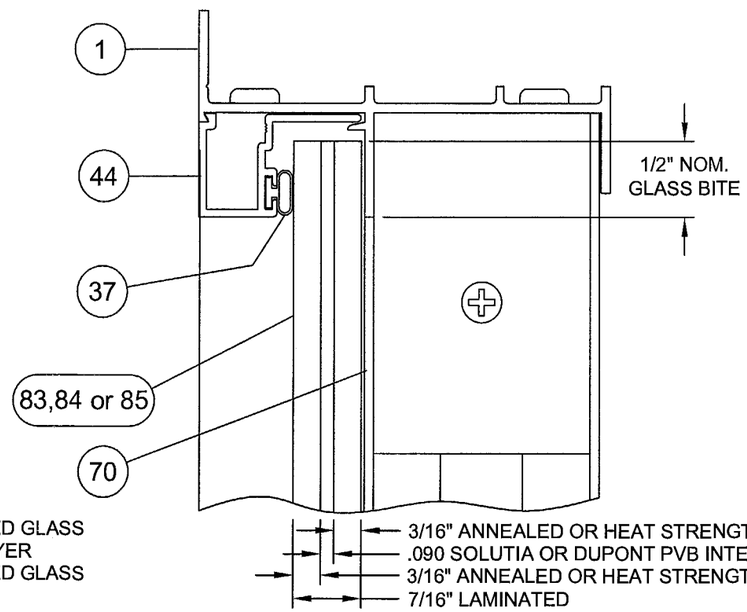
1/25/06

Robert L. Clark, P.E.
PE #39712
Structural



1/8" ANNEALED OR HEAT STRENGTHENED GLASS
.090 SOLUTIA OR DUPONT PVB INTERLAYER
1/8" ANNEALED OR HEAT STRENGTHENED GLASS
5/16" NOM.

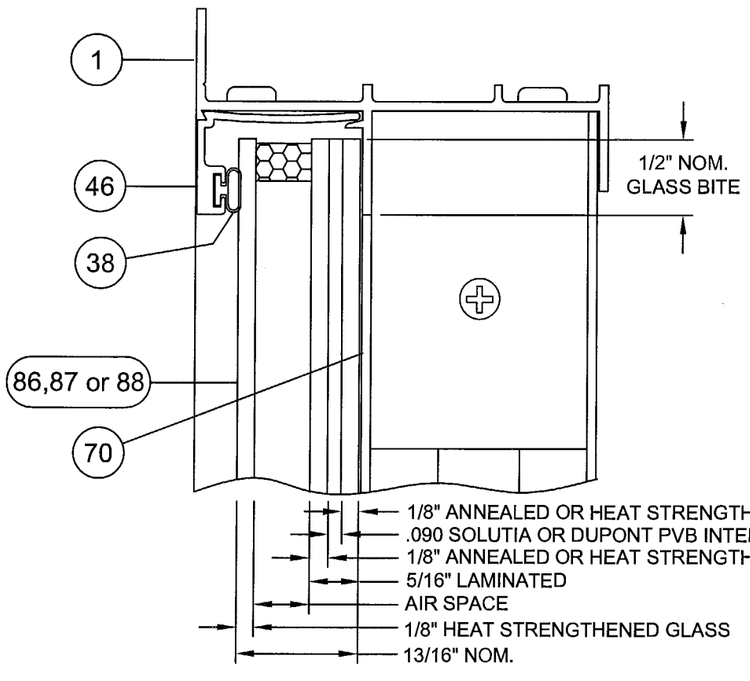
5/16" LAMINATED GLASS



3/16" ANNEALED OR HEAT STRENGTHENED GLASS
.090 SOLUTIA OR DUPONT PVB INTERLAYER
3/16" ANNEALED OR HEAT STRENGTHENED GLASS
7/16" LAMINATED

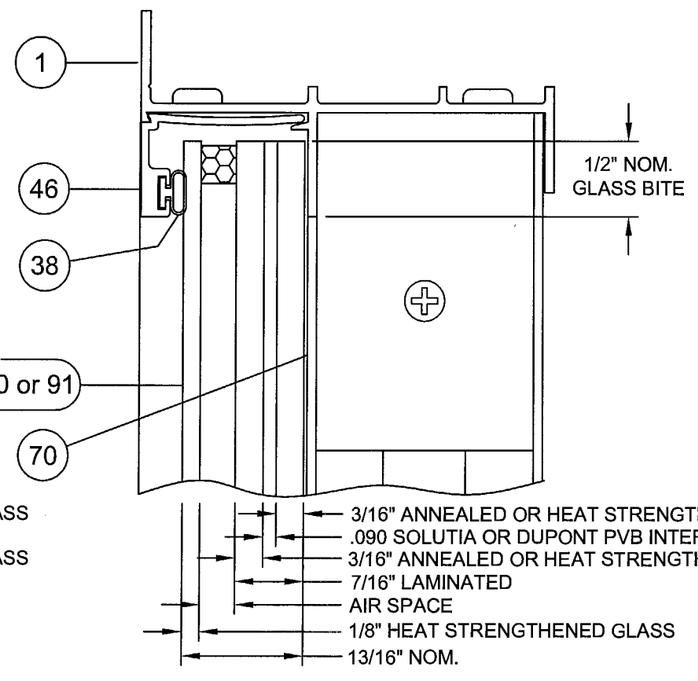
7/16" LAMINATED GLASS

EXTERIOR INTERIOR
(ALL SECTIONS)



1/8" ANNEALED OR HEAT STRENGTHENED GLASS
.090 SOLUTIA OR DUPONT PVB INTERLAYER
1/8" ANNEALED OR HEAT STRENGTHENED GLASS
5/16" LAMINATED
AIR SPACE
1/8" HEAT STRENGTHENED GLASS
13/16" NOM.

13/16" LAMI IG GLASS W/ 5/16" LAMI



3/16" ANNEALED OR HEAT STRENGTHENED GLASS
.090 SOLUTIA OR DUPONT PVB INTERLAYER
3/16" ANNEALED OR HEAT STRENGTHENED GLASS
7/16" LAMINATED
AIR SPACE
1/8" HEAT STRENGTHENED GLASS
13/16" NOM.

13/16" LAMI IG GLASS W/ 7/16" LAMI

Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Revsd By: F.K.	Date: 1/24/06	Revisions: A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 10/10/05

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS FL 34274

PGT
Visibly Better

Description: GLAZING DETAILS

Title: ALUM. SINGLE HUNG WINDOW, IMPACT

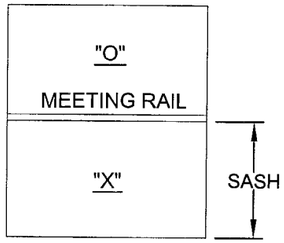
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	Full	2 of 11	4040-20	A

Approved as complying with the Florida Buiding Code
Date MARCH 23, 2006
NOA# 05-1018.01
Miami Dade Product Control Division
By

1/25/06
Robert L. Clark, P.E.
PE #39712
Structural

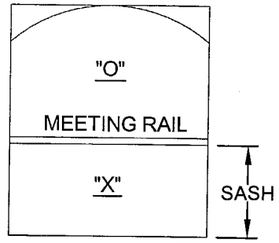
1/1 WINDOWS WITH HIGH SILL OPTION — TABLE 1.

WIDTH	GLASS TYPE	WINDOW HEIGHT 44"		50 5/8"		59 1/2"		63"		76"	
26"	A,B,G,H	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
32"	A,B,G,H	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+66.1	-66.1
37"	A,B,G,H	+80.0	-80.0	+80.0	-80.0	+74.4	-74.4	+69.6	-69.6	+57.2	-57.2
40"	A,B,G,H	+80.0	-80.0	+80.0	-80.0	+68.0	-68.0	+63.3	-63.3	+64.0	-64.0
44"	A,B,G,H	+80.0	-80.0	+75.8	-75.8	+60.5	-60.5	+57.4	-57.4	+58.6	-58.6
48"	A,B,G,H	+80.0	-80.0	+68.6	-68.6	+56.5	-56.5	+53.0	-53.0	+53.5	-53.5
53 1/8"	A,B,G,H	+80.0	-80.0	+63.4	-63.4	+52.0	-52.0	+47.9	-47.9	+48.3	-48.3
UP TO 53 1/8"	C,D,E,F,I,J,K,L	ALL HEIGHTS TO 76" HIGH								+80.0	-80.0



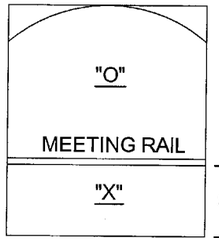
STANDARD VIEW AND RADIUS TOP WINDOWS WITH HIGH SILL OPTION — TABLE 2.

WIDTH	GLASS TYPE	WINDOW HEIGHT OVER SASH HEIGHT 29 3/4" 12 15/16"		38 3/8" 16 3/8"		44" 18 5/8"		50 5/8" 21 5/16"		63" 26 1/4"		72" 29 13/16"		74" 30 5/8"		76" 31 7/16"	
26"	A,B,G,H	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
32"	A,B,G,H	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+67.6	-67.6	+58.1	-58.1	+56.6	-56.6	+55.2	-55.2
37"	A,B,G,H	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+58.0	-58.0	+51.3	-51.3	+50.0	-50.0	+48.6	-48.6
40"	A,B,G,H	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+67.6	-67.6	+54.2	-54.2	+57.7	-57.7	+56.1	-56.1	+54.7	-54.7
44"	A,B,G,H	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+60.2	-60.2	+49.6	-49.6	+53.7	-53.7	+52.9	-52.9	+51.7	-51.7
48"	A,B,G,H	+70.0	-70.0	+70.0	-70.0	+66.3	-66.3	+56.3	-56.3	+45.1	-45.1	+49.5	-49.5	+48.6	-48.6	+47.8	-47.8
53 1/8"	A,B,G,H	+70.0	-70.0	+70.0	-70.0	+61.4	-61.4	+51.6	-51.6	+40.8	-40.8	+44.6	-44.6	+43.8	-43.8	+42.9	-42.9
UP TO 53 1/8"	C,D,E,F,I,J,K,L	ALL HEIGHTS TO 76" HIGH														+70.0	-70.0



CUSTOM VIEW AND RADIUS TOP WINDOWS WITH HIGH SILL OPTION — TABLE 3.

WIDTH	GLASS TYPE	WINDOW HEIGHT 50 5/8"		60"		63"		76"	
40"	D,E,J,K	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
44"	D,E,J,K	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+69.4	-69.4
48"	D,E,J,K	+70.0	-70.0	+70.0	-70.0	+69.6	-69.6	+63.2	-63.2
53 1/8"	D,E,J,K	+70.0	-70.0	+67.2	-67.2	+62.9	-62.9	+57.2	-57.2
UP TO 53 1/8"	F,L	ALL HEIGHTS TO 76" HIGH						+70.0	-70.0



GLASS TYPES:

	TEST REPORTS — TABLE 4.
A. 5/16" LAMI - (1/8" ANNEALED,.090,1/8" ANNEALED)	FTL-4647, 4648, 4723 (A)
B. 5/16" LAMI - (1/8" ANNEALED,.090,1/8" HEAT STRENGTHENED)	FTL-4647, 4648
C. 5/16" LAMI - (1/8" HEAT STRENGTHENED,.090,1/8" HEAT STRENGTHENED)	FTL-4647, 4648
D. 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" ANNEALED)	FTL-4645
E. 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" HEAT STRENGTHENED)	FTL-4645
F. 7/16" LAMI - (3/16" HEAT STRENGTHENED,.090, 3/16" HEAT STRENGTHENED)	FTL-4645
G. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 5/16" LAMI - (1/8" ANNEALED,.090,1/8" ANNEALED)	FTL-4646, 4651, 4723 (A)
H. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 5/16" LAMI - (1/8" ANNEALED,.090,1/8" HEAT STRENGTHENED)	FTL-4646, 4651
I. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 5/16" LAMI - (1/8" HEAT STRENGTHENED,.090,1/8" HEAT STRENGTHENED)	FTL-4646, 4651
J. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" ANNEALED)	FTL-4649, 4650
K. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" HEAT STRENGTHENED)	FTL-4649, 4650
L. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 7/16" LAMI - (3/16" HEAT STRENGTHENED,.090, 3/16" HEAT STRENGTHENED)	FTL-4649, 4650

NOTE: 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.

Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Revsd By: F.K.	Date: 1/24/06	Revisions: A	ADD FTL-4723 TO GLASS TYPES A AND G.
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 10/10/05

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

Description: DESIGN PRESSURES

Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	NTS	3 of 11	4040-20	A

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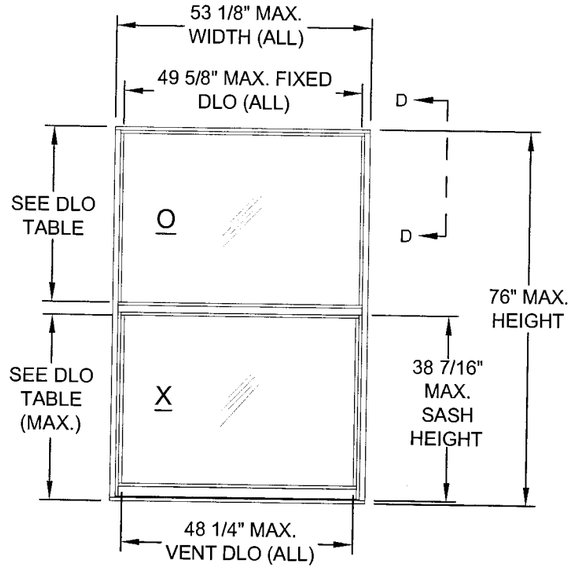
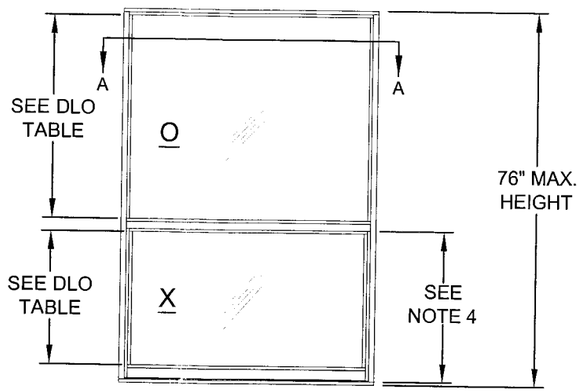
By

1/25/06

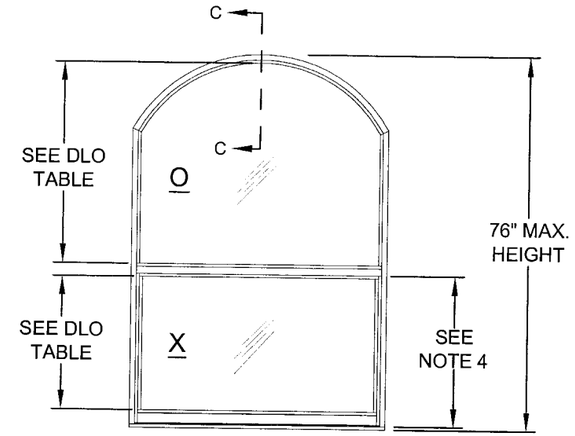
Robert L. Clark, P.E.
PE #39712
Structural



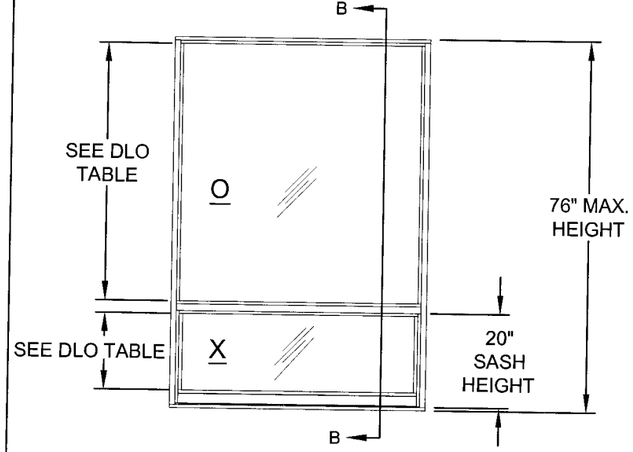
DETAIL A



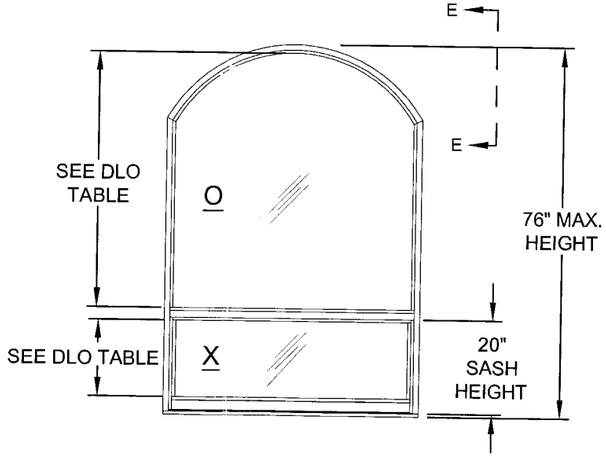
DETAIL B
VIEW (STANDARD SASH)



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. SEE TABLE 2, SHEET 3 FOR STANDARD SASH HEIGHTS.

Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Revsd By: F.K.	Date: 1/24/06	Revisions: A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 10/10/05

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

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NOKOMIS, FL 34274

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Description: ELEVATIONS

Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	NTS	4 of 11	4040-20	A

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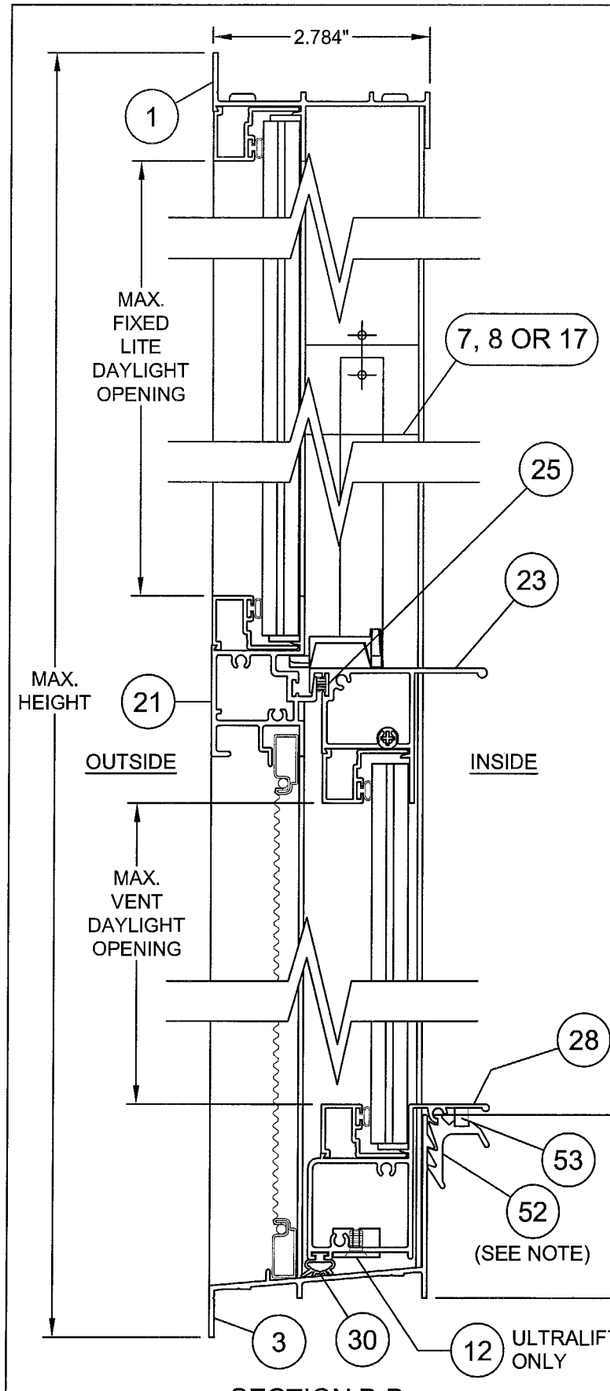
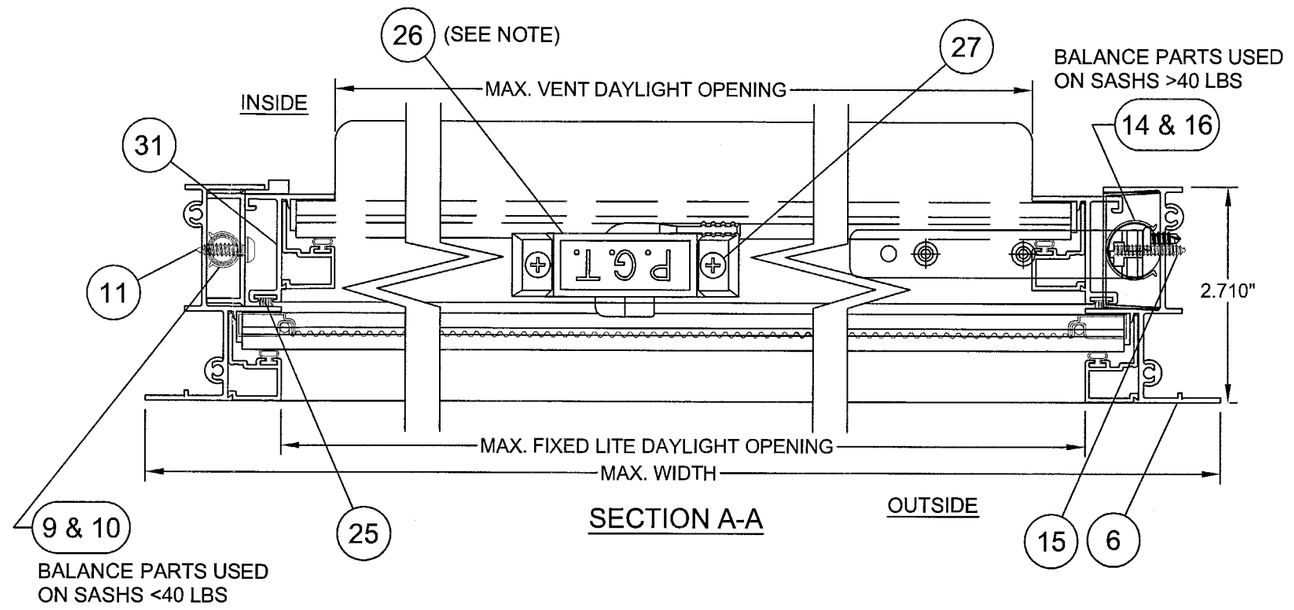
Structural

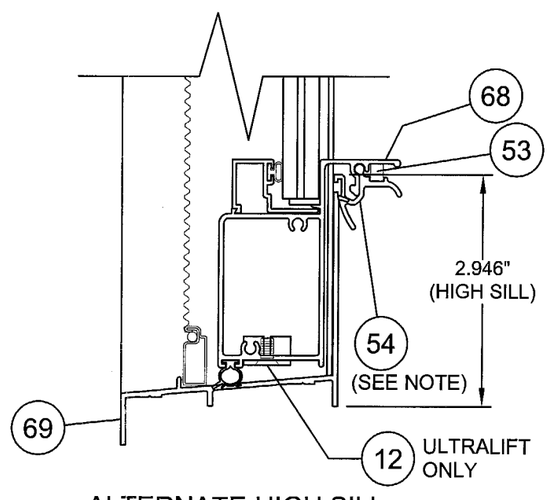


SECTION B-B
(LOW SILL SHOWN)

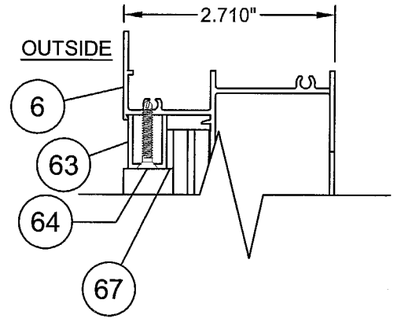


SECTION A-A

NOTE: ONE SWEEP LATCH LOCATED ON VENT CENTERLINE OR OPTIONAL BOTTOM LOCKS LOCATED 6" FROM EACH SIDE OF VENT.



ALTERNATE HIGH SILL



SECTION C-C
RADIUS TOP
(HEAD DETAIL)

Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Revsd By: F.K.	Date: 1/24/06	Revisions: A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 10/10/05

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

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Description: SECTIONS
Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	Half	5 of 11	4040-20	A

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NOA# 05-1019.01
Miami Dade Product Control Division
By

1/25/06
Robert L. Clark, P.E.
PE #39712
Structural

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 (ALUMA-TILT)	612244
8	4025	SASH STOP (EGRESS) 1.125 LONG	612244
9	4029	CALDWELL ALUMA-TILT BALANCE, 5/8"	
10	1080	BAL. COVER, RIGID VINYL, 5/8"	6BALCVR916
11		#8 X .750 PH. PN. SMS	7834AA
12		BALANCE BOTTOM BRACKET	7BALTBKT
13	1085	SASH TOP GUIDE, 5/8" BAL.	42504
14	4029-1	CALDWELL ULTRA-LIFT BALANCE, .670"	
15		#8 X 1 PHILLIPS FLAT HEAD S. STL	78X1FPAX
16	1080-1	.670 ULTRA-LIFT BALANCE COVER	6BALCVR670
17	4053	SASH STOP COVER (ULTRA-LIFT)	64053
18	4029-1	SASH BRACKET	7ULBRKT
19		#8-32 X 1/2" LG. PH. FH. TYPE F S. STL	7832X12FPFX
20	1086	SASH TOP GUIDE, 11/16" BAL.	42505R & L
21	4054A	FIXED MEETING RAIL	64054A
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
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
60	1635	SCREEN SPLINE - .135 DIA. HARD	61635K
61		SCREEN CLOTH	61816

ITEM	DWG.#	DESCRIPTION	PGT#
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"HS, AIR SPACE, 5/16" LAMI, (1/8"A,.090 PVB,1/8"A)		
87	H. GLASS, 13/16" LAMI IG; 1/8"HS, AIR SPACE, 5/16" LAMI, (1/8"A,.090 PVB,1/8"HS)		
88	I. GLASS, 13/16" LAMI IG; 1/8"HS, AIR SPACE, 5/16" LAMI, (1/8"HS,.090 PVB,1/8"HS)		
89	J. GLASS, 13/16" LAMI IG; 1/8"HS, AIR SPACE, 7/16" LAMI, (3/16"A,.090 PVB,3/16"A)		
90	K. GLASS, 13/16" LAMI IG; 1/8"HS, AIR SPACE, 7/16" LAMI, (3/16"A,.090 PVB,3/16"HS)		
91	L. GLASS, 13/16" LAMI IG; 1/8"HS, AIR SPACE, 7/16" LAMI, (3/16"HS,.090 PVB,3/16"HS)		

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By Manuel Perez

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1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

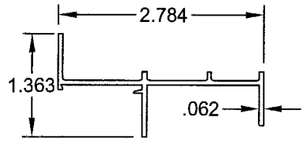
Description: PARTS LIST

Title: ALUM. SINGLE HUNG WINDOW, IMPACT

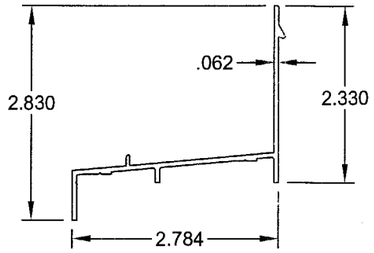
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	NTS	6 of 11	4040-20	A

12/5/06

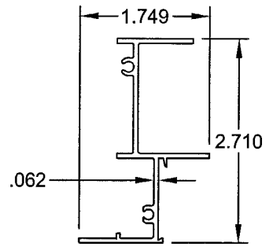
Robert L. Clark, P.E.
PE #39712
Structural



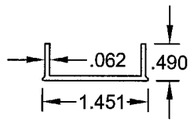
1 FLANGE FRAME HEAD
#4002A, 6063-T6



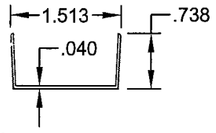
3 FLANGE FRAME SILL (LOW)
#4003C, 6063-T6



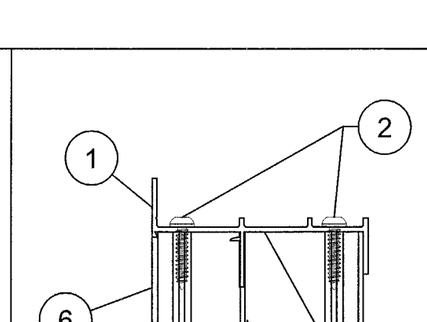
6 FLANGE FRAME JAMB
#4004, 6063-T5
(USED AS RADIUS TOP HEAD)



7 SASH STOP
#4025, 6063-T5



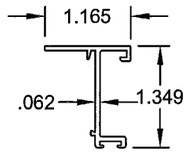
17 SASH STOP COVER
#4053, 6063-T5



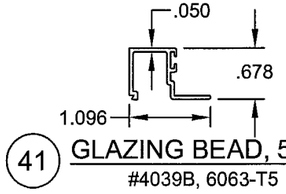
VIEW D-D
(1/1 & VIEW HEAD & SILL, RADIUS TOP SILL)

VIEW E-E
(RADIUS TOP HEAD ONLY)

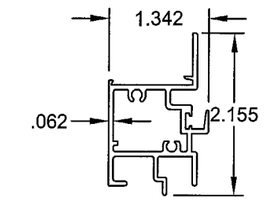
FRAME CORNER CONSTRUCTION



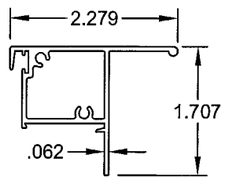
31 SASH SIDE RAIL
#4008, 6063-T5



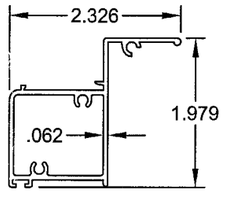
41 GLAZING BEAD, 5/16"
#4039B, 6063-T5



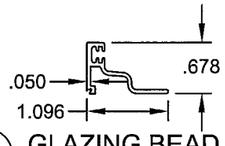
21 FIXED MEETING RAIL
#4054A, 6063HS-T6



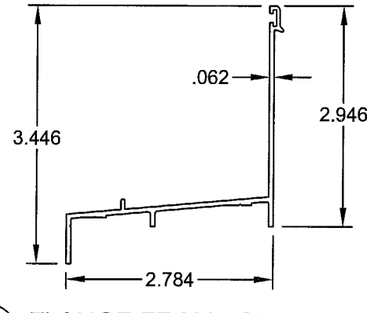
23 SASH TOP RAIL
#4006C, 6063HS-T6



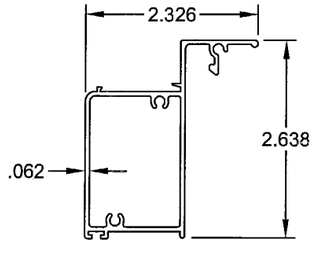
28 SASH BOTTOM RAIL (LOW)
#4007, 6063-T5



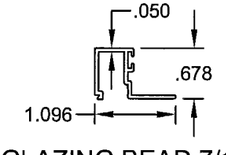
42 GLAZING BEAD, 5/16"
#4044B, 6063-T5
(USED W/ GRILL KIT)



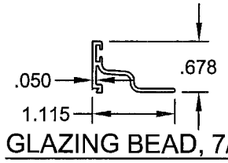
69 FLANGE FRAME SILL (HIGH)
#4050A, 6063-T6



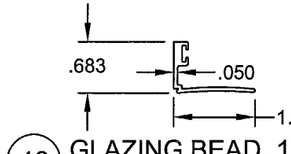
68 SASH BOTTOM RAIL (HIGH)
#4051A, 6063-T5



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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By

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Revsd By:	Date:	Revisions:	
Revsd By: F.K.	Date: 1/24/06	Revisions: A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 10/10/05

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

Description: EXTRUSIONS & FRAME CORNER DETAIL

Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	Half	7 of 11	4040-20	A

1/25/06

Robert L. Clark, P.E.
PE #39712
Structural

ANCHORAGE FOR 1/1 WINDOWS — TABLE 6.

SUBSTRATE: / ANCHOR TYPES :

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT: 26"						38 3/8"						44"					
		3	WOOD	1, 2	WOOD	1, 2	CONC	3	WOOD	1, 2	WOOD	1, 2	CONC	3	WOOD	1, 2	WOOD	1, 2	CONC
19 1/8"	ALL TYPES	1		1		1		1		1		1		1		1		1	
		1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	2	1	1
24"	ALL TYPES	1		1		1		1		1		1		1		1		1	
		1	1	1	1	1	1	1	2	1	2	1	1	2	2	1	2	1	2
32"	C,D,E,F,I,J,K,L	1		1		1		1		1		1		1		1		1	
		1	2	1	2	1	1	2	2	1	2	1	2	2	2	2	2	1	2
	A,B,G,H	1		1		1		1		1		1		1		1		1	
		1	2	1	2	1	1	2	2	1	2	1	2	2	2	2	2	1	2
37"	C,D,E,F,I,J,K,L	1		1		1		2		1		1		2		2		1	
		1	2	1	2	1	1	2	3	2	2	1	2	2	3	2	3	2	2
	A,B,G,H	1		1		1		2		1		1		2		2		1	
		1	2	1	2	1	1	2	3	2	2	1	2	2	3	2	3	2	2
40"	C,D,E,F,I,J,K,L	2		2		2		2		2		2		2		2		2	
		1	2	1	2	1	2	2	3	2	3	1	2	2	3	2	3	2	2
	A,B,G,H	2		2		2		2		2		2		2		2		2	
		1	2	1	2	1	2	2	3	2	3	1	2	2	3	2	3	2	2
44"	C,D,E,F,I,J,K,L	2		2		2		2		2		2		2		2		2	
		1	2	1	2	1	2	2	3	2	3	2	2	2	3	2	3	2	2
	A,B,G,H	2		2		2		2		2		2		2		2		2	
		1	2	1	2	1	2	2	3	2	3	2	2	2	3	2	3	2	2
48"	C,D,E,F,I,J,K,L	2		2		2		2		2		2		2		2		2	
		2	2	1	2	1	2	2	3	2	3	2	2	2	3	2	3	2	3
	A,B,G,H	2		2		2		2		2		2		2		2		2	
		2	2	1	2	1	2	2	3	2	3	2	2	2	3	2	3	2	3
53 1/8"	C,D,E,F,I,J,K,L	2		2		2		2		2		2		2		2		2	
		2	3	1	2	1	2	2	3	2	3	2	3	3	4	2	4	2	3
	A,B,G,H	2		2		2		2		2		2		2		2		2	
		2	3	1	2	1	2	2	3	2	3	2	3	3	4	2	4	2	3

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT: 50 5/8"						59 1/2", 63"						72", 74", 76"					
		3	WOOD	1, 2	WOOD	1, 2	CONC	3	WOOD	1, 2	WOOD	1, 2	CONC	3	WOOD	1, 2	WOOD	1, 2	CONC
19 1/8"	ALL TYPES	1		1		1		1		1		1		1		1		1	
		2	2	1	2	1	1	2	2	2	2	2	2	3	3	2	2	2	2
24"	ALL TYPES	1		1		1		1		1		1		1		1		1	
		2	2	2	2	1	2	2	3	2	2	2	2	3	3	2	3	2	2
32"	C,D,E,F,I,J,K,L	1		1		1		2		1		1		2		1		1	
		2	3	2	3	2	2	3	3	2	3	2	2	3	4	3	4	3	3
	A,B,G,H	1		1		1		2		1		1		1		1		1	
		2	3	2	3	2	2	3	3	2	3	2	2	3	3	2	3	2	2
37"	C,D,E,F,I,J,K,L	2		2		1		2		2		1		2		2		1	
		2	3	2	3	2	2	3	4	2	4	2	3	4	4	3	4	3	3
	A,B,G,H	2		2		1		2		2		1		1		1		1	
		2	3	2	3	2	2	3	3	2	3	2	2	3	3	2	3	2	2
40"	C,D,E,F,I,J,K,L	2		2		2		2		2		2		2		2		2	
		2	3	2	3	2	2	3	4	3	4	2	3	4	5	3	4	3	3
	A,B,G,H	2		2		2		2		2		2		2		2		2	
		2	3	2	3	2	2	3	3	2	3	2	2	3	4	3	4	2	3
44"	C,D,E,F,I,J,K,L	2		2		2		2		2		2		2		2		2	
		2	3	2	3	2	2	3	4	2	3	2	3	4	5	3	5	3	4
	A,B,G,H	2		2		2		2		2		2		2		2		2	
		2	3	2	3	2	2	3	3	2	3	2	2	3	4	3	4	2	3
48"	C,D,E,F,I,J,K,L	2		2		2		3		2		2		3		3		2	
		2	3	2	3	2	2	3	4	2	4	2	3	4	5	3	4	3	4
	A,B,G,H	2		2		2		2		2		2		2		2		2	
		2	3	2	3	2	2	3	3	2	3	2	2	3	4	3	4	2	3
53 1/8"	C,D,E,F,I,J,K,L	2		2		2		3		2		2		3		3		2	
		2	3	2	3	2	2	3	4	2	4	2	3	4	5	3	5	3	4
	A,B,G,H	2		2		2		2		2		2		2		2		2	
		2	3	2	3	2	2	3	3	2	3	2	2	3	4	2	4	2	3

SPACING BASED ON THE FOLLOWING MAXIMIM DIMENSIONS:

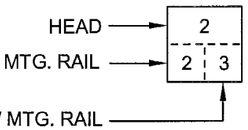
HEAD - 18 1/2" FROM CORNERS
JAMBS ABOVE MEETING RAIL - 17 1/2" FROM TOP CORNERS
JAMBS BELOW MEETING RAIL - 15" FROM BOTTOM CORNERS AND 6" BELOW MEETING RAIL
ANCHORS NOT REQUIRED IN SILL

GLASS TYPES:

A. 5/16" LAMI - (1/8" ANNEALED,.090,1/8" ANNEALED)
B. 5/16" LAMI - (1/8" ANNEALED,.090,1/8" HEAT STRENGTHENED)
C. 5/16" LAMI - (1/8" HEAT STRENGTHENED,.090,1/8" HEAT STRENGTHENED)
D. 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" ANNEALED)
E. 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" HEAT STRENGTHENED)
F. 7/16" LAMI - (3/16" HEAT STRENGTHENED,.090, 3/16" HEAT STRENGTHENED)
G. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 5/16" LAMI - (1/8" ANNEALED,.090,1/8" ANNEALED)
H. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 5/16" LAMI - (1/8" ANNEALED,.090,1/8" HEAT STRENGTHENED)
I. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 5/16" LAMI - (1/8" HEAT STRENGTHENED,.090,1/8" HEAT STRENGTHENED)
J. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" ANNEALED)
K. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" HEAT STRENGTHENED)
L. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 7/16" LAMI - (3/16" HEAT STRENGTHENED,.090, 3/16" HEAT STRENGTHENED)

ANCHORAGE NOTES:

1. ANCHOR TYPES:
   1 - 1/4" ELCO TAPCONS
   2 - 1/4" ELCO SS4 CRETE-FLEX
   3 - #12 SCREWS
2. INSTALL 1/1 WINDOWS IN MIAMI-DADE COUNTY PER TABLE 6.
3. FOR WINDOWS INSTALLED OUTSIDE MIAMI-DADE COUNTY TO FULL DESIGN PRESSURE, USE 1/4" TAPCONS, 1/4" SS4 CRETE-FLEX, OR #12 SCREWS AT THE ANCHOR QUANTITIES SPECIFIED IN TABLE 6 FOR GLASS TYPE A AND ANCHOR TYPE 1 INSTALLED IN CONCRETE.
4. ANCHOR QUANTITY KEY:



Approved as complying with the Florida Building Code
Date MARCH 23, 2006
NOA# 05-1018.01
Miami Dade Product Control Division
By Manuel Perez

Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Revsd By: F.K.	Date: 1/24/06	Revisions: A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 7/29/05	Checked By: J.J.	Date: 10/10/05

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

Description: ANCHORAGE SPACING, 1/1 WINDOWS
Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	NTS	8 of 11	4040-20	A

1/25/06

Robert L. Clark, P.E.
PE #39712
Structural

ANCHORAGE FOR STANDARD VIEW AND RADIUS TOP WINDOWS — TABLE 7.

SUBSTRATE: / ANCHOR TYPES :

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT	29 3/4"					38 3/8"					44"					50 5/8"					63"					72, 74, 76"				
			3	WOOD	1, 2	WOOD	1, 2 CONC	3	WOOD	1, 2	WOOD	1, 2 CONC	3	WOOD	1, 2	WOOD	1, 2 CONC	3	WOOD	1, 2	WOOD	1, 2 CONC	3	WOOD	1, 2	WOOD	1, 2 CONC	3	WOOD	1, 2	WOOD	1, 2 CONC
19 1/8"	ALL TYPES		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	1	2	1	1	1	1	2	1	2	1	1	2	2	2	2	1	3	2	2	2	1
24"	C,D,E,F,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	2	1	1	1	1	2	2	2	2	1	2	2	2	2	1	3	2	2	2	2	3	2	3	2	2
	A,B,G,H		1		1		1	1		1		1	1		1		1	1		1		1	1		1		1	1		1		1
			1	1	1	1	1	2	1	1	1	1	2	2	2	2	1	2	2	2	2	1	3	2	2	2	2	4	2	3	2	3	2
32"	C,D,E,F,I,J,K,L		1		1		1	1		1		1	1		1		1	1		1		1	1		1		1	1		1		1
			2	1	1	1	1	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2	3	2	3	2	2	4	3	3	3	2
	A,B,G,H		1		1		1	1		1		1	1		1		1	1		1		1	1		1		1	1		1		1
			2	1	1	1	1	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2	3	2	3	2	2	3	2	3	2	2
37"	C,D,E,F,I,J,K,L		1		1		1	2		1		1	2		2		1	2		2		1	2		2		1	2		2		1
			2	2	1	1	1	2	2	2	2	1	2	2	2	2	2	3	2	2	2	2	3	3	3	3	2	4	3	3	3	2
	A,B,G,H		1		1		1	2		1		1	2		2		1	2		2		1	2		1		1	1		1		1
			2	2	1	1	1	2	2	2	2	1	2	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	3	2	2
40"	C,D,E,F,I,J,K,L		2		2		2	2		2		2	2		2		2	2		2		2	2		2		2	2		2		2
			2	2	1	2	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2	4	3	3	3	2	4	3	4	3	2
	A,B,G,H		2		2		2	2		2		2	2		2		2	2		2		2	2		2		2	2		2		2
			2	2	1	2	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2	3	2	2	2	2	4	3	3	3	2
44"	C,D,E,F,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	1	1	2	2	2	2	2	3	2	2	2	2	3	3	2	2	2	4	3	3	3	2	5	4	4	3	3
	A,B,G,H		2		2		2	2		2		2	2		2		2	2		2		2	2		2		2	2		2		2
			2	2	2	2	1	1	2	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	2	2	2	4	3	3	3	2
48"	C,D,E,F,I,J,K,L		2		2		2	2		2		2	2		2		2	2		2		2	2		2		2	3		2		2
			2	2	2	2	1	1	2	2	2	2	2	3	2	2	2	2	3	3	3	2	2	4	3	3	3	2	5	4	4	4	3
	A,B,G,H		2		2		2	2		2		2	2		2		2	2		2		2	2		2		2	2		2		2
			2	2	2	2	1	1	2	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	2	2	2	4	3	3	3	2
53 1/8"	C,D,E,F,I,J,K,L		2		2		2	2		2		2	2		2		3	2		2		3	3		2		3	3		2		
			2	2	2	2	2	3	2	2	2	2	3	3	2	3	2	2	3	3	3	2	2	4	4	3	3	3	5	4	4	4	3
	A,B,G,H		2		2		2	2		2		2	2		2		2	2		2		2	2		2		2	2		2		2
			2	2	2	2	2	3	2	2	2	2	3	2	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	3	3	3	2

SPACING BASED ON THE FOLLOWING MAXIMIM DIMENSIONS:

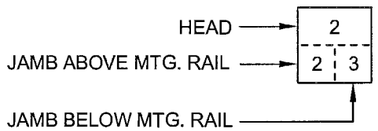
HEAD - 18 1/2" FROM CORNERS
JAMBS ABOVE MEETING RAIL - 17 1/2" FROM TOP CORNERS AND 25 1/2" O.C.
JAMBS BELOW MEETING RAIL - 15" FROM BOTTOM CORNERS AND 6" BELOW MEETING RAIL
ANCHORS NOT REQUIRED IN SILL

GLASS TYPES:

A. 5/16" LAMI - (1/8" ANNEALED,.090,1/8" ANNEALED)
B. 5/16" LAMI - (1/8" ANNEALED,.090,1/8" HEAT STRENGTHENED)
C. 5/16" LAMI - (1/8" HEAT STRENGTHENED,.090,1/8" HEAT STRENGTHENED)
D. 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" ANNEALED)
E. 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" HEAT STRENGTHENED)
F. 7/16" LAMI - (3/16" HEAT STRENGTHENED,.090, 3/16" HEAT STRENGTHENED)
G. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 5/16" LAMI - (1/8" ANNEALED,.090,1/8" ANNEALED)
H. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 5/16" LAMI - (1/8" ANNEALED,.090,1/8" HEAT STRENGTHENED)
I. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 5/16" LAMI - (1/8" HEAT STRENGTHENED,.090,1/8" HEAT STRENGTHENED)
J. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" ANNEALED)
K. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" HEAT STRENGTHENED)
L. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 7/16" LAMI - (3/16" HEAT STRENGTHENED,.090, 3/16" HEAT STRENGTHENED)

ANCHORAGE NOTES:

1. ANCHOR TYPES:
   1 - 1/4" ELCO TAPCONS
   2 - 1/4" ELCO SS4 CRETE-FLEX
   3 - #12 SCREWS
2. INSTALL STANDARD VIEW AND RADIUS TOP WINDOWS IN MIAMI-DADE COUNTY PER TABLE 7.
3. FOR WINDOWS INSTALLED OUTSIDE MIAMI-DADE COUNTY TO FULL DESIGN PRESSURE, USE 1/4" TAPCONS, 1/4" SS4 CRETE-FLEX, OR #12 SCREWS AT THE ANCHOR QUANTITIES SPECIFIED IN TABLE 7 FOR GLASS TYPE A AND ANCHOR TYPE 1 INSTALLED IN CONCRETE.
4. ANCHOR QUANTITY KEY:



Approved as complying with the Florida Building Code
Date MARCH 23, 2006
NOA# 05-1018.01
Miami Dade Product Control Division
By:

11/25/06

Robert L. Clark, P.E.
PE #39712
Structural

Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Revsd By: F.K.	Date: 1/24/06	Revisions: A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 7/29/05	Checked By: J.J.	Date: 10/10/05

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

Description: ANCHORAGE SPACING, STANDARD VIEW
Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	NTS	9 of 11	4040-20	A

ANCHORAGE FOR CUSTOM VIEW AND RADIUS TOP WINDOWS — TABLE 8.

SUBSTRATE: / ANCHOR TYPES :		WINDOW HEIGHT																											
		29 3/4"						38 3/8"						44"						50 5/8"						60", 63"					
WINDOW WIDTH	GLASS TYPE	3	WOOD	1, 2	WOOD	1, 2	CONC	3	WOOD	1, 2	WOOD	1, 2	CONC	3	WOOD	1, 2	WOOD	1, 2	CONC	3	WOOD	1, 2	WOOD	1, 2	CONC	3	WOOD	1, 2	WOOD	1, 2	CONC
19 1/8"	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	1	1	1	1	1	1	2	1	2	1	1	1	2	1	2	1	2	1
24"	D, E, F, J, K, L	1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
		1	2	1	2	1	1	1	2	1	2	1	1	2	2	1	2	1	1	2	2	2	2	2	1	3	2	2	2	2	1
32"	D, E, F, J, K, L	1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
		1	2	1	2	1	2	1	2	1	2	1	2	2	2	2	2	1	2	2	2	2	2	2	2	4	2	3	2	3	2
37"	D, E, F, J, K, L	1		1		1		1		1		1		2		2		1		2		2		1		2		2		1	
		1	2	1	2	1	2	2	2	1	2	1	2	2	2	2	2	1	2	3	2	2	2	2	2	4	2	3	2	3	2
40"	D, E, F, J, K, L	2		2		2		2		2		2		2		2		2		2		2		2		2		2		2	
		1	2	1	2	1	2	2	2	1	2	1	2	2	2	2	2	2	2	3	2	2	2	2	2	4	2	3	2	3	2
44"	D, E, F, J, K, L	2		2		2		2		2		2		2		2		2		2		2		2		2		2		2	
		1	3	1	2	1	2	2	3	2	2	1	2	2	3	2	2	2	2	3	3	2	2	2	2	4	3	4	2	3	2
48"	F, L	2		2		2		2		2		2		3		2		2		3		2		2		3		2		2	
		1	3	1	3	1	2	2	3	2	3	1	2	2	3	2	3	2	2	3	3	2	3	2	2	5	3	4	3	3	2
	D, E, J, K	2		2		2		2		2		2		3		2		2		3		2		2		3		2		2	
		1	2	1	3	1	2	1	2	2	3	1	2	2	2	2	3	2	2	2	2	2	3	2	2	3	2	4	3	3	2
53 1/8"	F, L	2		2		2		2		2		2		3		3		2		3		3		2		3		3		2	
		1	3	1	3	1	2	2	3	2	3	2	2	2	3	2	3	2	2	3	3	2	3	2	2	5	3	4	3	3	2
	D, E, J, K	2		2		2		2		2		2		3		3		2		3		3		2		3		3		2	
		1	3	1	3	1	2	2	3	2	3	2	2	2	3	2	3	2	2	3	3	2	3	2	2	4	3	4	3	3	2

72", 74", 76"																													
3	WOOD	1, 2	WOOD	1, 2	CONC	3	WOOD	1, 2	WOOD	1, 2	CONC	3	WOOD	1, 2	WOOD	1, 2	CONC	3	WOOD	1, 2	WOOD	1, 2	CONC	3	WOOD	1, 2	WOOD	1, 2	CONC
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SPACING BASED ON THE FOLLOWING MAXIMIM DIMENSIONS:

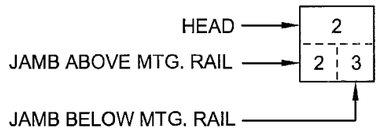
HEAD - 18 1/2" FROM CORNERS
JAMBS ABOVE MEETING RAIL - 17 1/2" FROM TOP CORNERS AND 25 1/2" O.C.
JAMBS BELOW MEETING RAIL - 6" BELOW MEETING RAIL (15" MAX. FROM BOTTOM CORNERS)
ANCHORS NOT REQUIRED IN SILL

GLASS TYPES:

D. 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" ANNEALED)
E. 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" HEAT STRENGTHENED)
F. 7/16" LAMI - (3/16" HEAT STRENGTHENED,.090, 3/16" HEAT STRENGTHENED)
J. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" ANNEALED)
K. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 7/16" LAMI - (3/16" ANNEALED,.090, 3/16" HEAT STRENGTHENED)
L. 13/16" LAMI IG - 1/8" HEAT STRENGTHENED, AIR SPACE, 7/16" LAMI - (3/16" HEAT STRENGTHENED,.090, 3/16" HEAT STRENGTHENED)

ANCHORAGE NOTES:

1. ANCHOR TYPES:
   1 - 1/4" ELCO TAPCONS
   2 - 1/4" ELCO SS4 CRETE-FLEX
   3 - #12 SCREWS
2. INSTALL CUSTOM VIEW AND RADIUS TOP WINDOWS IN MIAMI-DADE COUNTY PER TABLE 8.
3. FOR WINDOWS INSTALLED OUTSIDE MIAMI-DADE COUNTY TO FULL DESIGN PRESSURE, USE 1/4" TAPCONS, 1/4" SS4 CRETE-FLEX, OR #12 SCREWS AT THE ANCHOR QUANTITIES SPECIFIED IN TABLE 8 FOR GLASS TYPE A AND ANCHOR TYPE 1 INSTALLED IN CONCRETE.
4. ANCHOR QUANTITY KEY:



Approved as complying with the Florida Building Code
Date MARCH 23, 2006
NOA# 05-1018.01
Miami Dade Product Control Division
By Manuel Perez

Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Revsd By: F.K.	Date: 1/24/06	Revisions: A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 7/29/05	Checked By: J.J.	Date: 10/10/05

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

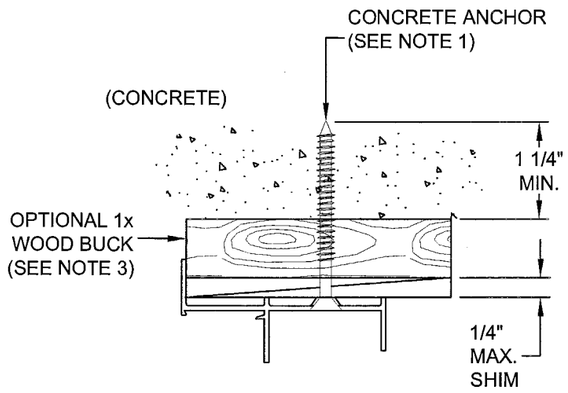
P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

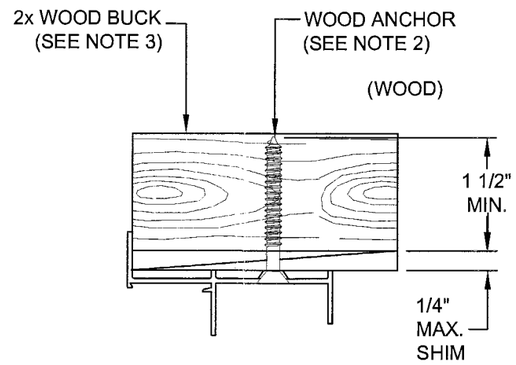
Description:				
ANCHORAGE SPACING, CUSTOM VIEW				
Title: ALUM. SINGLE HUNG WINDOW, IMPACT				
Series/Model: SH700	Scale: NTS	Sheet: 10 of 11	Drawing No. 4040-20	Rev: A

1/25/06

Robert L. Clark, P.E.
PE #39712
Structural



DETAIL A



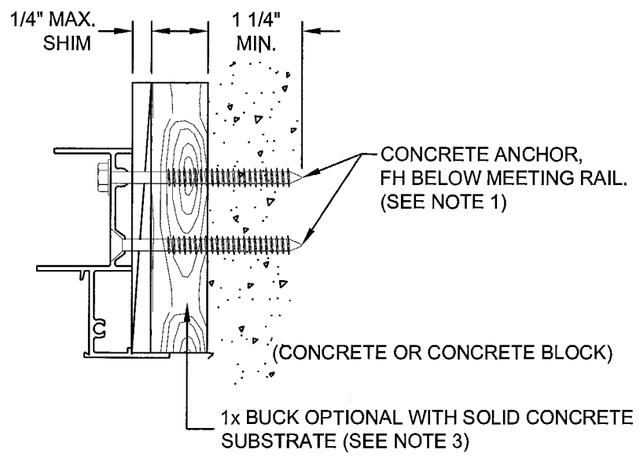
DETAIL B

TYPICAL HEAD ANCHORAGE

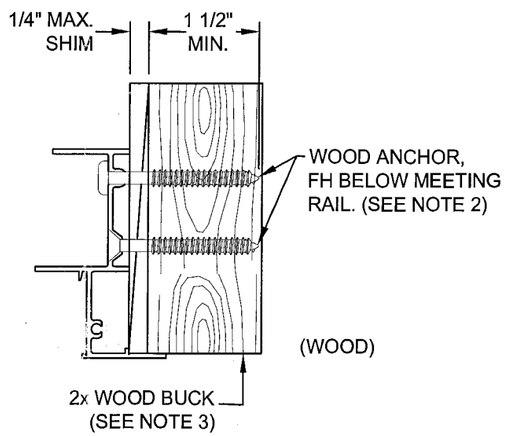
EXTERIOR INTERIOR
(BOTH HEAD DETAILS)

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 2 1/2".
2. FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #12 SCREWS, 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX.
3. WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 1x WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
4. 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.
5. ANCHORS ARE NOT REQUIRED AT THE SILL.
6. (A) FLAT HEAD ANCHORS, WHERE REQUIRED, MUST HAVE #12 TRIMFIT HEADS.



DETAIL C



DETAIL D

TYPICAL JAMB ANCHORAGE

INTERIOR
(BOTH JAMB DETAILS)
EXTERIOR

Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Revsd By: F.K.	Date: 1/24/06	Revisions: A	ADD NOTE 6 RE FLAT HEAD ANCHORS.
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 10/10/05

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

Description: ANCHORAGE DETAILS

Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	Half	11 of 11	4040-20	A

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Structural