



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

NOTICE OF ACCEPTANCE (NOA)

www.buldingcodeonline.com

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 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 9/1/05, with revision B dated 11/13/06, prepared by manufacturer, 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 revises NOA # 05-1018.01 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.**



NOA No. 07-0322.06
Expiration Date: March 23, 2011
Approval Date: June 07, 2007
Page 1

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 B dated 11/13/06, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E.

B. TESTS

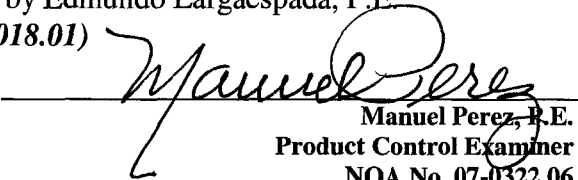
1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 3603.2 (b) and 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.
2. 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 Report No. **FTL-4958**, dated 10/03/06, 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-5063**, dated 11/21/06, 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-4645**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under previous NOA #05-1018.01)


Manuel Perez, P.E.
Product Control Examiner

NOA No. 07-0322.06
Expiration Date: March 23, 2011
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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 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.
(Submitted under previous NOA #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, Impact, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4648**, dated 08/10/05, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under previous NOA #05-1018.01)
7. 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.
(Submitted under previous NOA #05-1018.01)
8. 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-4650**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under previous NOA #05-1018.01)
9. 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.
(Submitted under previous NOA #05-1018.01)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 07-0322.06

Expiration Date: March 23, 2011
Approval Date: June 07, 2007

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

10. 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.
(Submitted under previous NOA #05-1018.01)
11. 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.
(Submitted under previous NOA #05-1018.01)

C. CALCULATIONS

1. Anchor Calculations and structural analysis, complying with FBC-2004, dated 12/18/06, prepared, signed and sealed by Robert L. Clark, P.E.
Complies with ASTM E1300-02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

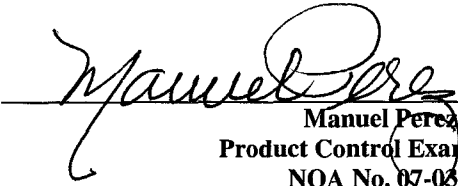
1. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours for "**DuPont Butacite® PVB**" dated 01/05/06, expiring on 12/11/10.
2. Notice of Acceptance No. **03-0827.08** issued to Solutia Inc. for their "**Solutia Interlayer**" dated 03/04/04, expiring on 03/04/09.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated 03/16/07, 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. Notice of Acceptance No. **05-1018.01**, issued to PGT Industries for their Series SH-700 Aluminum Single Hung Window – L.M.I., approved on 03/23/06 and expiring on 03/23/11.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 07-0322.06
Expiration Date: March 23, 2011
Approval Date: June 07, 2007

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 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
- 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 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. 7/16" LAMI CONSISTING OF (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 5/16" 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 A .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 7/16" 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.
- 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 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 1300-02.

B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-02.

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-4723, FTL-4957, FTL-4958 AND FTL-5063.

ANSI/A/F&PA NDS-2001 FOR WOOD CONSTRUCTION
ADM-2000 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, CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

NOA DRAWING MAP

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

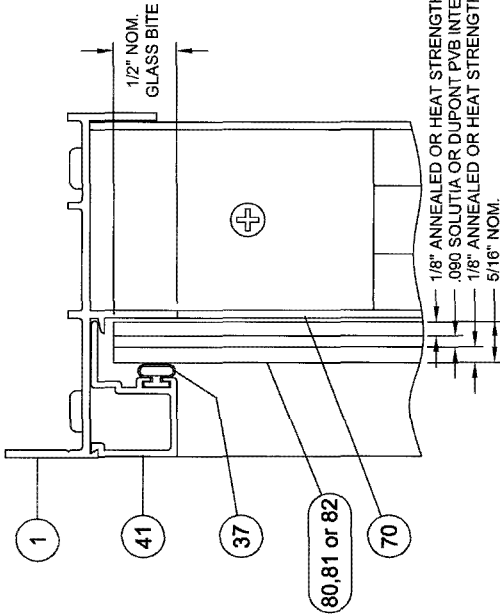
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0372-06
Expiration Date 04/23/2011
By: *David J. ...*
Miami/Thru Products Company
Bryan

Robert L. Clark
3/14/09
Robert L. Clark, P.E.
PE #38712
Structural

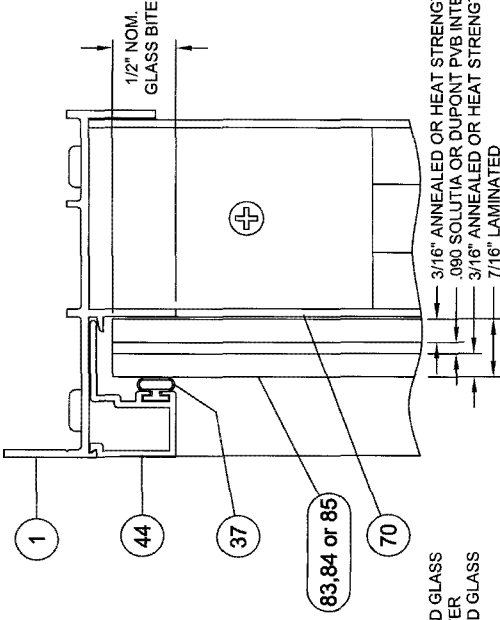
Revised By: F.K.	Date: 1/13/08	Revised: B	Change Notes 3 & 7, ADD NOTE 9, ADD GLASS TYPE M TO NOTE 1, GLAZING OPTIONS
Revised By: F.K.	Date: 1/24/08	Revised: A	ADD FTL-4723 TO NOTE 7.
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07
		Description: GENERAL NOTES Title: ALUM. SINGLE HUNG WINDOW, IMPACT	Scale: NTS Sheet: 1 of 11 Drawing No.: 4040-20 Rev: B

NOTE:

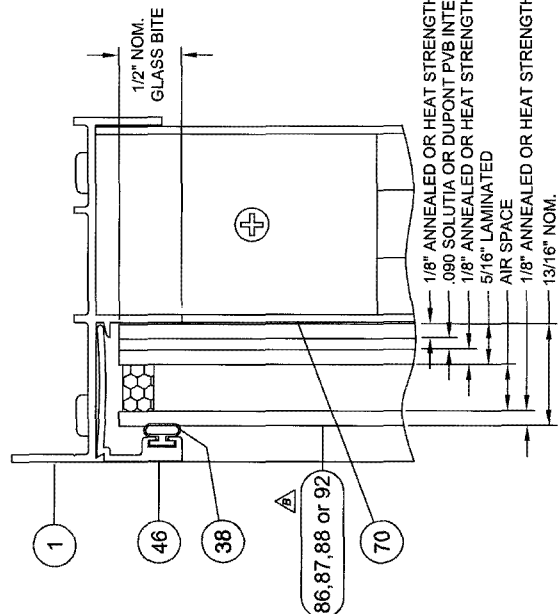
LAMI IG OUTBOARD LITES MAY BE
UPGRADED TO 3/16" WITH NO CHANGE
IN DESIGN PRESSURE.



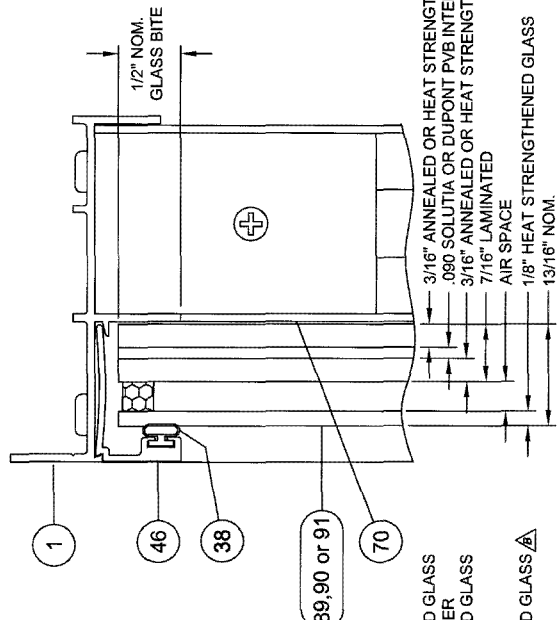
5/16" LAMINATED GLASS



7/16" LAMINATED GLASS



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



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

Revised By:	Date:	Revisions:
F.K.	11/13/06	B
Revised By:	Date:	Revisions:
F.K.	1/24/06	A
Drawn By:	Date:	Checked By:
F.K.	9/1/05	J.J.

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1629
NOKOMIS, FL 34274



Description		Quantity	Ordering No.
GLAZING DETAILS			4040-20
The ALUM. SINGLE HUNG WINDOW, IMPACT			
Subcontract	SH700	Blank	Sheet
Full	2	or	11
Rev.			B

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0327-D-6
Expiration Date ~~NOVEMBER 25, 2011~~

By: *M. J. ...*
Michigan State Product Control
Division

[Signature]
3/16/07
Robert L. Clark, P.E.
PE #98712
Structural

TABLE 1.
1/1 FLANGE OR INTEGRAL FIN WINDOWS W/ HIGH SILL OPTION Δ
BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS

WIDTH	GLASS TYPE	WINDOW HEIGHT											
		63"	66"	68"	70"	72"	74"	76"	76"				
48"	A,B,M Δ	+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 Δ	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
52"	A,B,M Δ	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
53 1/8"	A,B,M Δ	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
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

TABLE 2.
STANDARD VIEW & RADIUS TOP FLANGE OR INTEGRAL FIN WINDOWS W/ HIGH SILL OPTION Δ
BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS

WIDTH	GLASS TYPE	WINDOW HEIGHT									
		38 3/8"	44"	50 5/8"	63"	72"	74"	76"			
48"	A,B,M Δ	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
50"	A,B,M Δ	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
52"	A,B,M Δ	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
53 1/8"	A,B,M Δ	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
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

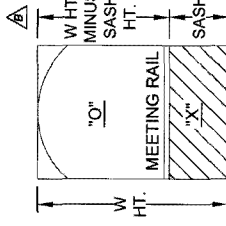
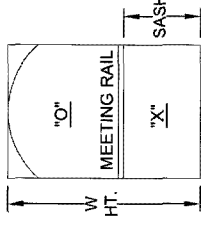
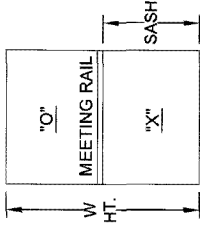
TABLE 3.
CUSTOM VIEW & RADIUS TOP FLANGE OR INTEGRAL FIN WINDOWS W/ HIGH SILL OPTION Δ
BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS

WIDTH	GLASS TYPE	WINDOW HEIGHT MINUS SASH HEIGHT (MAX. WINDOW HT. W/ SASH = 76" FLANGED AND 75" INTEGRAL FIN)											
		17 1/8"	22 11/16"	28 3/16"	33 3/4"	39 5/16"	44 13/16"	50 3/8"	55 15/16"	60 1/2"	65 1/2"		
53 1/8"	D,E,F,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

TABLE 4.
GLASS TYPES: TEST REPORTS

GLASS TYPES:	TEST REPORTS
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"HS, AIR SPACE, 5/16" LAMI - (1/8"A., 090, 1/8"A)	FTL-4646, 4723
H. 13/16" LAMI IG - 1/8"HS, AIR SPACE, 5/16" LAMI - (1/8"A., 090, 1/8"HS)	FTL-4646
I. 13/16" LAMI IG - 1/8"HS, AIR SPACE, 5/16" LAMI - (1/8"HS, 090, 1/8"HS)	FTL-4646
J. 13/16" LAMI IG - 1/8"HS, AIR SPACE, 7/16" LAMI - (3/16"A., 090, 3/16"A)	FTL-4649, 4650
K. 13/16" LAMI IG - 1/8"HS, AIR SPACE, 7/16" LAMI - (3/16"A., 090, 3/16"HS)	FTL-4649, 4650, 4958
L. 13/16" LAMI IG - 1/8"HS, 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) Δ	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 UNEXPECTED.
2. FOR INTEGRAL FIN WINDOW DESIGN PRESSURES USE THE ABOVE TABLES BY DEDUCTING 1" FROM THE FLANGED TIP-TO-TIP FRAME DIMENSIONS. Δ
3. AVAILABLE SASH HEIGHTS FOR CUSTOM WINDOWS ARE 12 5/8" MINIMUM TO 38" MAXIMUM. Δ



PRODUCT REVISED
in compliance with the Florida
Building Code
Acceptance No. 07-0322-06
Expiration Date **MARCH 23, 2011**
By *[Signature]*
Miami Trade Product Control
Division

[Signature]
3/16/07
Robert L. Clark, P.E.
PE #39712
Structural

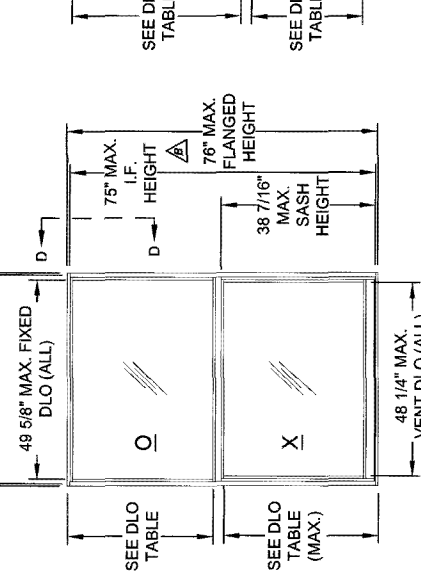
Revised By: Date:	Reviewed:	Approved:	Revision:	Checked By: Date:	Drawn By: Date:	Project No.:	Sheet No.:	Scale:	Quantity:	Order No.:
F.K. 11/19/06	B			A		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	3	1/1	3	4040-20
F.K. 1/24/08	A					P.O. BOX 1629 NOKOMIS, FL 34274	3	1/1	3	4040-20
F.K. 9/1/05	J.J.						3	1/1	3	4040-20

Description:
DESIGN PRESSURES
The
ALUM. SINGLE HUNG WINDOW, IMPACT
Sched. No. SH700
Drawing No. 4040-20



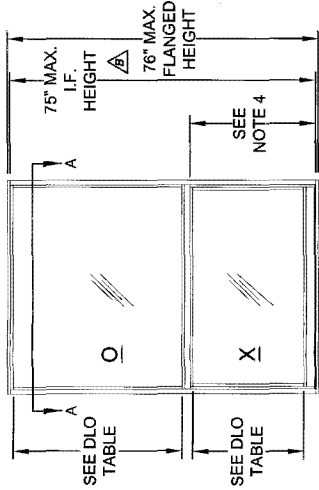
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1629
NOKOMIS, FL 34274

53 1/8" MAX. FLANGED WIDTH
52 1/8" MAX. I.F. WIDTH



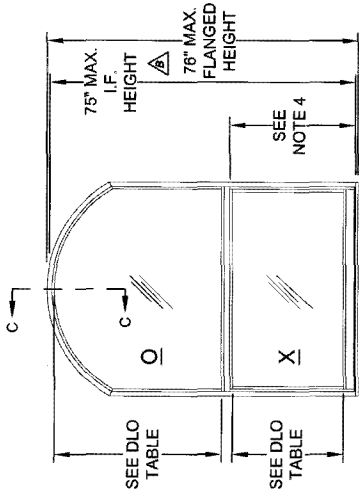
DETAIL A

1/1



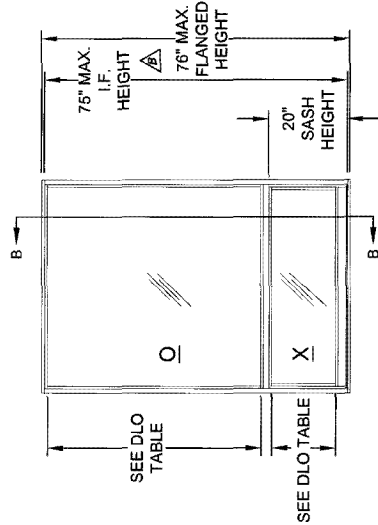
DETAIL B

VIEW (STANDARD SASH)



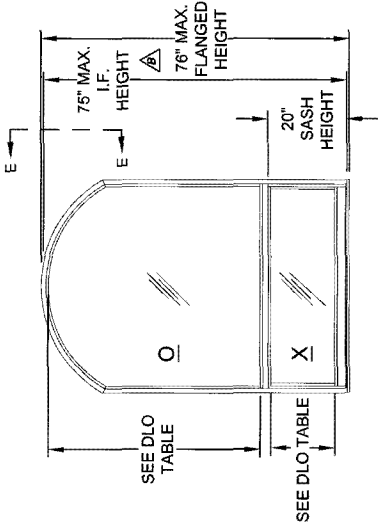
DETAIL C

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:

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

Revised By:	Date:	Revision:
F.K.	11/13/06	B
F.K.	1/24/06	A
F.K.	9/1/05	J.J.

ADD INTEGRAL FIN (I.F.) VERSION, CHG. NOTE 3. ADD NOTE 4.
NO CHANGE THIS SHEET

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1929
NOKOMIS, FL 34274



DESCRIPTION:
ELEVATIONS

ALUM. SINGLE HUNG WINDOW, IMPACT

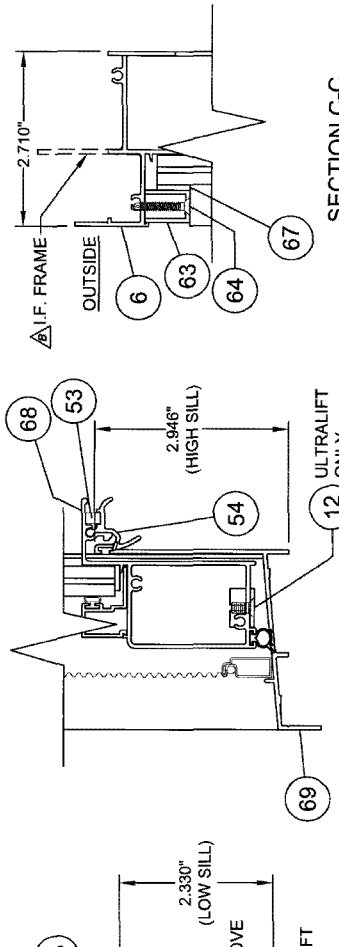
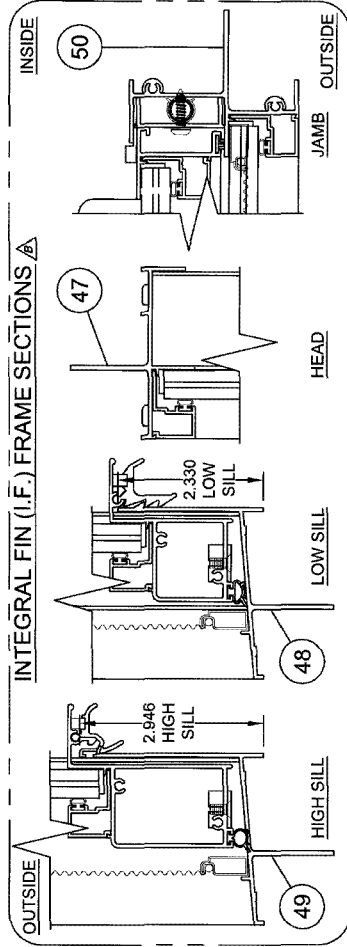
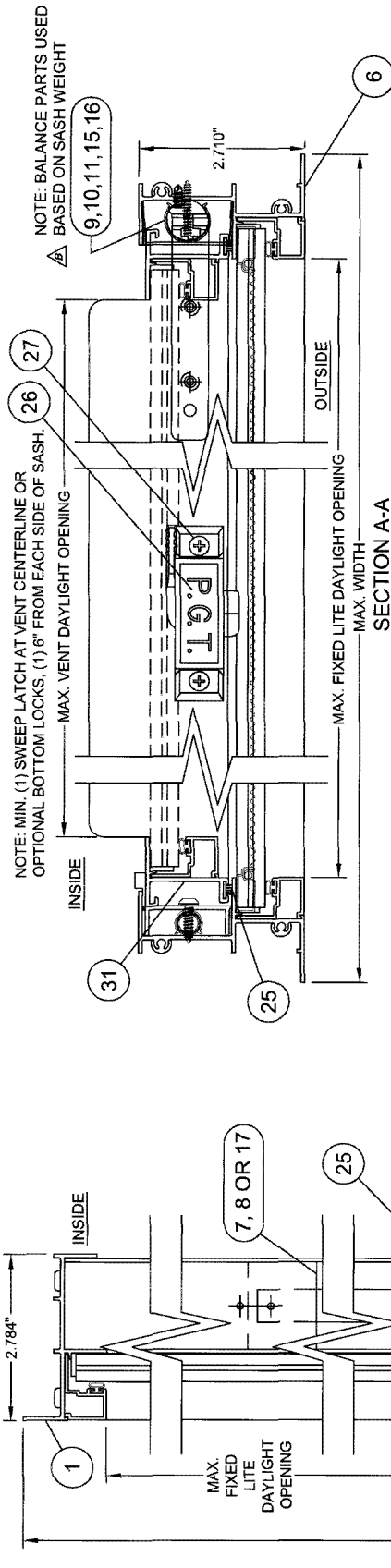
Scale:	Sheet:	Drawing No.
NTS	4 of 11	4040-20

Rev: B

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0322-06
Expiration Date: 12/31/2011
By: *Michael J. Clark*
Miami Trade Product Controls
Division

Michael J. Clark
3/12/07

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



SECTION C-C
RADIUS TOP
- FLANGED VERSION)

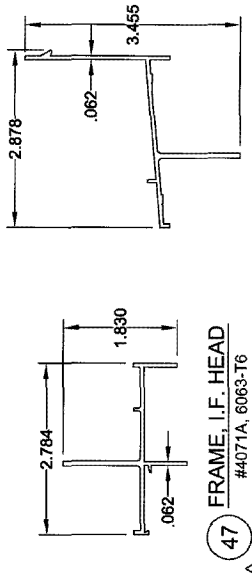
Revised By:	Date:	Revised By:	Date:	Revised By:	Date:	Revised By:	Date:
F.K.	11/13/06	F.K.	1/24/06	F.K.	9/1/05	F.K.	2/23/07
ADD I.F. SECTIONS & CONSOLIDATE BAL. COMPONENTS				NO CHANGE THIS SHEET			
Checked By:				Date:			
J.J.				2/23/07			
<p>1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1029 NOKOMIS, FL 34274</p>							
<p>PGT Visibly Better</p>							
<p>SH700 5 of 11 4040-20</p>							
<p>ALUM. SINGLE HUNG WINDOW, IMPACT</p>							
<p>Drawn No. 4040-20</p>							
<p>Sheet</p>							
<p>Structural</p>							

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0322-06
Expiration Date 12/31/2011
By: *Michael Deane*
Mansfield Products Company
Director

Robert L. Clark
3/16/07
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	781POA
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 1/16"	612244
10	1080	BALANCE COVER, 3/8" OR 5/8"	68ALCVR916
11		#8 X .750 PH. PN. SMS	78344A
12		BALANCE BOTTOM BRACKET	7BALBKT
13	1085/1086	SASH TOP GUIDE	42504
15		#8 X 1 PHILLIPS FLAT HEAD S. STL	78X1FPAX
16	1080-1	BALANCE COVER, 1/16"	68ALCVR670
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	64006C
25	1235	WSTP...170 X .270 BACK, FIN SEAL	67S16G
26	1096	SWEEP LATCH	71096
27	1016	#8 X .625 PH. FL. SMS	7658
28	4007	SASH BOTTOM RAIL (LOW SILL)	612230
30	1226	WSTP... BULB VINYL	61P249
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)	61P247W/K
38	1225	VINYL GLAZ. BEAD BULB (THIN)	61P248K
41	4039B	GLAZING BEAD, 5/16 LAMI 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 IG.	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 WRINGS	71630
57	1631	SCREEN CORNER KEY W/OUT RINGS	71631
58	1073	SCREEN SPRING	7CASP
59	1624	SCREEN SPLINE -.135 DIA. FOAM	61624K

ITEM	DWG.#	DESCRIPTION	PGT#
60	1635	SCREEN SPLINE -.135 DIA. HARD	61635K
61		SCREEN CLOTH	61816
63	505	GLAZING CHANNEL, (688 X 500)	6533402
64	1161	#6 X 1.000 PH. BUGLE TEK	706X1
67		GLAZING TAPE, 1/16 X 1/2 - 7/16 LAMI	62BVI510
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" HS)	
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" HS)	
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" HS)	
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" HS)	
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)	
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)

PGI
Visibly Better

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34276
P.O. BOX 1628
NOKOMIS, FL 34274

Revised By: Date: 1/13/06
Checked By: Date: 1/24/06
Drawn By: Date: 9/1/05

Revision: 1
Revision: 2
Revision: 3

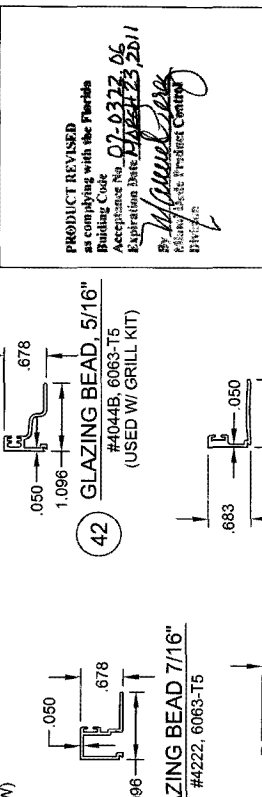
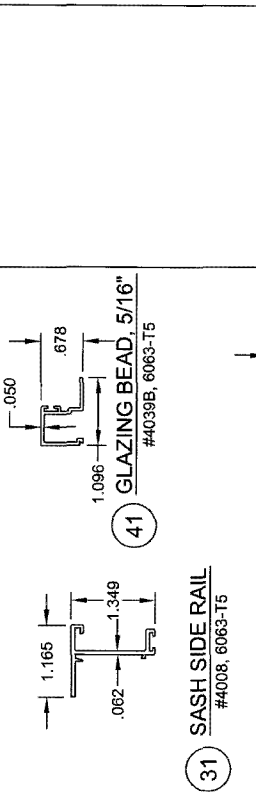
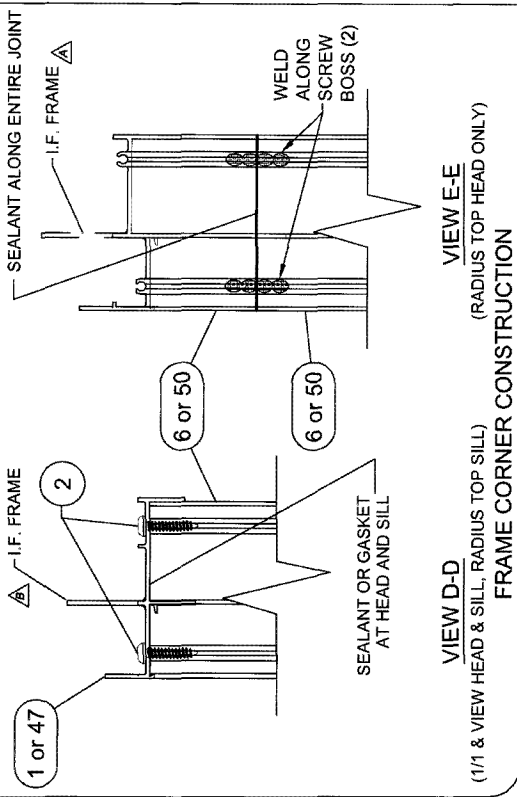
ADD I/F FRAME ITEMS 47, 48, 49 AND 50. UPGRADE ITEM 21.
ADD ITEM 92. CHG. DESCRIPTION ITEMS 7, 8 & 13
NO CHANGE THIS SHEET

Approved: J.J. 2/23/07

Part Number: SH780
Quantity: 6
Drawing No.: 4040-20
Rev: B

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0322, 06
Expiration Date 12/31/23, 2011
By: *Michael S. Clark*
Miami/Dade Product Control
Director

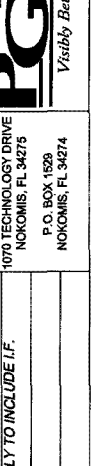
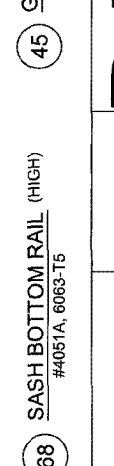
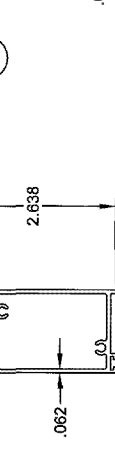
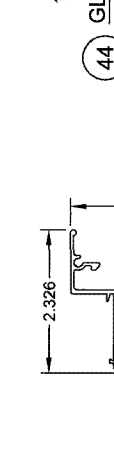
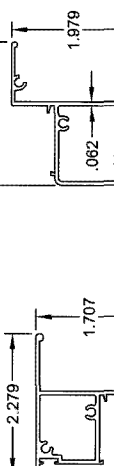
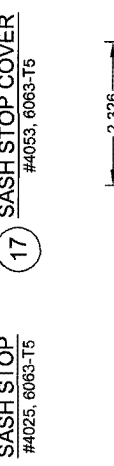
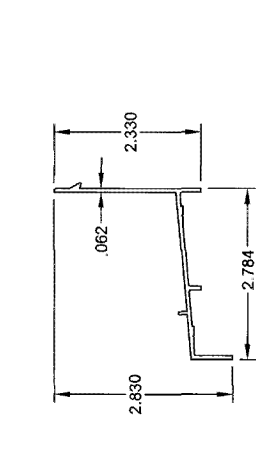
Robert L. Clark
3/4/07
Robert L. Clark, P.E.
PE #393712
Structural



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **07-0377-06**
Expiration Date: **12/31/23**

By: *Michael Davis*
Florida State Professional Engineer
11/13/06

Robert L. Clark, P.E.
PE #30712
Structural



Revised By:	Date:	Revision:
Revised By: F.K.	Date: 11/13/06	Revision: B
Revised By: F.K.	Date: 1/24/06	Revision: A
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.

UPDATE FRAME CORNER ASSEMBLY TO INCLUDE I.F. AND UPGRADE ITEM 21 ALLOY.

NO CHANGE THIS SHEET

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1559
NOKOMIS, FL 34274

PGI
Visibly Better

EXTRUSIONS & FRAME CORNER DETAIL
ALUM. SINGLE HUNG WINDOW, IMPACT

Scale: **Half** Sheet: **7** of **11** Drawing No: **4040-20** Rev: **B**

ANCHORAGE NOTES:

- 1. ANCHOR TYPES: 1 - 1/4" ELCO TAPCONS
2 - 1/4" ELCO SS4 CRETE-FLEX
3 - #12 SCREWS
- 2. 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

3. INSTALL PER THE ADJACENT TABLE ANCHOR QUANTITIES USING THE DIMENSIONAL CRITERIA OF NOTE 2.

4. TABLE WIDTH AND HEIGHT DIMENSION ARE FOR FLANGED WINDOWS. INTEGRAL FIN DIMENSIONS ARE 1" LESS.

5. 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.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance Date **07-07-22 06**
Expiration Date **07/07/25, 20/11**
By: *Handwritten Signature*
George D'Arcy Project Engineer

Handwritten Signature
3/16/09
Robert L. Clark, P.E.
PE #39712
Structural

TABLE 5:

SUBSTRATE:		WINDOW HEIGHT										76,000			
		28,603	34,603	40,603	46,603	52,603	58,603	64,603	70,603	76,000					
		WOOD	CONC	WOOD	CONC	WOOD	CONC	WOOD	CONC	WOOD	CONC				
19,125	C,D,E,F,G	1	1	1	1	1	1	1	1	1	1	1	1	1	
	H,I,J,K,L	1	2	1	1	1	2	2	2	2	2	2	2	2	2
	AB,M	1	1	1	1	1	1	1	1	1	1	1	1	1	
24,000	C,D,E,F,G	1	1	1	1	1	1	1	1	1	1	1	1	1	
	H,I,J,K,L	1	2	1	1	1	2	2	2	2	2	2	2	2	
	AB,M	1	1	1	1	1	1	1	1	1	1	1	1	1	
32,000	C,D,E,F,G	1	1	1	1	1	1	1	1	1	1	1	1	1	
	H,I,J,K,L	1	2	2	2	2	2	2	2	2	2	2	2	2	
	AB,M	1	1	1	1	1	1	1	1	1	1	1	1	1	
37,000	C,D,E,F,G	1	1	1	1	1	1	1	1	1	1	1	1	1	
	H,I,J,K,L	2	2	2	2	2	2	2	2	2	2	2	2	2	
	AB,M	1	1	1	1	1	1	1	1	1	1	1	1	1	
40,000	PSF	79													
	C,D,E,F,G	2	2	2	2	2	2	2	2	2	2	2	2	2	
	H,I,J,K,L	2	2	2	2	2	2	2	2	2	2	2	2	2	
44,000	PSF	79													
	C,D,E,F,G	2	2	2	2	2	2	2	2	2	2	2	2	2	
	H,I,J,K,L	2	2	2	2	2	2	2	2	2	2	2	2	2	
48,000	PSF	79													
	C,D,E,F,G	2	2	2	2	2	2	2	2	2	2	2	2	2	
	H,I,J,K,L	2	2	2	2	2	2	2	2	2	2	2	2	2	
53,125	PSF	79													
	C,D,E,F,G	2	2	2	2	2	2	2	2	2	2	2	2	2	
	H,I,J,K,L	2	2	2	2	2	2	2	2	2	2	2	2	2	

TABLE KEY:

MAX. PSF	118
(DP LIMITED)	118
HEAD	2
JAMB ABOVE	2
JAMB BELOW	3
MTG. RAIL	2
MTG. RAIL	3

(FULL DP)

HEAD	2
JAMB ABOVE	2
MTG. RAIL	3
JAMB BELOW	3
MTG. RAIL	3

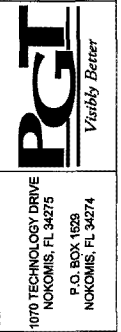
ANCHORAGE SPACING, 1/1 WINDOWS

The: **ALUM. SINGLE HUNG WINDOW, IMPACT**

SH1700

NTS 8 or 11

4040-20



1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1559
NOKOMIS, FL 34274

REVISE ANCHORAGE TABLE AND NOTES.
ADD DP MAX. WHERE ANCHOR QTY IS RESTRICTED BY SIZE.

NO CHANGE THIS SHEET

2/29/07

Revised By: J.J. Date: 7/29/05

ANCHOR QUANTITIES FOR STANDARD VIEW AND RADIUS TOP FLANGED WINDOWS

TABLE 6.

SUBSTRATE: ANCHOR TYPE: WINDOW WIDTH	WINDOW HEIGHT											
	29.655	37.155	44.655	52.155	59.655	67.155	74.655	82.155	89.655	97.155	104.655	112.155
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	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 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	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 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	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 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	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 1 1 1	1 1 1 1 1 1
	PSF	68										
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 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	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	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 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 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	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
	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	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 1 1 1	1 1 1 1 1 1
	PSF	54	79	62	79							
40.000	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	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 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	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 1 1 1	1 1 1 1 1 1
	PSF	49	79	56	79	79						
44.000	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	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 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	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 1 1 1	1 1 1 1 1 1
	PSF	45	74	51	74	79	79					
48.000	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	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 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	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 1 1 1	1 1 1 1 1 1
	PSF	41	67	46	67	76	79					
53.125	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	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 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	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 1 1 1	1 1 1 1 1 1
	PSF	38	62	41	62	71	74					

Revised By: F.K.	Date: 1/11/2006	Revision: B
Revised By: F.K.	Date: 1/24/06	Revision: A
Drawn By: F.K.	Date: 7/29/05	Checked By: J.J.

PGI
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1599
NOKOMIS, FL 34274

ANCHORAGE SPACING, STANDARD VIEW
ALUM. SINGLE HUNG WINDOW, IMPACT

Standard: SH700	Quantity: NTS	Scale: 9	Sheet: 11	Drawing No.: 4040-20	Rev: B
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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)	177
HEAD	3
JAMB ABOVE	3
JAMB BELOW	3
MTG. RAIL	3
JAMB BELOW	2
MTG. RAIL	2
(FULL DP)	2
HEAD	2
JAMB ABOVE	2
JAMB BELOW	2
MTG. RAIL	2

PRODUCT REVIEWED as complying with the Florida Building Code
Acceptance No. **07-0377-06**
Expiration Date **12/23/2011**
By: **Michael DeLuca**
Inspector

Robert L. Clark, P.E.
PE #38712
Structural

ANCHOR QUANTITIES ABOVE MEETING RAIL (HEAD & JAMBS), CUSTOM FLANGED WINDOW HEIGHT MINUS SASH HEIGHT TABLE 7.

WINDOW HEIGHT MINUS SASH HEIGHT FROM TABLE 8.

SUBSTRATE:	WINDOW HEIGHT MINUS SASH HEIGHT FROM TABLE 8.									
	17.125	22.668	28.211	33.754	39.296	44.839	50.382	55.925		
ANCHOR TYPE:	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD
WINDOW GLASS TYPE:	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC
WIDTH	1	1	1	1	1	1	1	1	1	1
19.125	D.E.F.J.	1	1	1	1	1	1	1	1	1
	K.L.	1	1	1	1	1	1	1	1	1
24.000	D.E.F.J.	1	1	1	1	1	1	1	1	1
	K.L.	1	1	1	1	1	1	1	1	1
32.000	D.E.F.J.	1	1	1	1	1	1	1	1	1
	K.L.	1	1	1	1	1	1	1	1	1
	PSF	79	79	79	79	79	79	79	79	79
37.000	D.E.F.J.	1	1	1	1	1	1	1	1	1
	K.L.	1	1	1	1	1	1	1	1	1
	PSF	79	79	79	79	79	79	79	79	79
40.000	D.E.F.J.	2	2	2	2	2	2	2	2	2
	K.L.	1	1	1	1	1	1	1	1	1
	PSF	79	79	79	79	79	79	79	79	79
44.000	D.E.F.J.	2	2	2	2	2	2	2	2	2
	K.L.	1	1	1	1	1	1	1	1	1
	PSF	79	79	79	79	79	79	79	79	79
48.000	D.E.F.J.	2	2	2	2	2	2	2	2	2
	K.L.	1	1	1	1	1	1	1	1	1
	PSF	71	79	63	71	79	64	74	66	77
53.125	D.E.F.J.	2	2	2	2	2	2	2	2	2
	K.L.	1	1	1	1	1	1	1	1	1

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

TABLE 8.

SUBSTRATE:	SASH HEIGHT									
	12.776	15.776	18.776	21.776	24.776	27.776	30.776	31.106		
ANCHOR TYPE:	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD
WINDOW GLASS TYPE:	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC
WIDTH	1	1	1	1	1	1	1	1	1	1
19.125	D.E.F.J.	1	1	1	1	1	1	1	1	1
	K.L.	1	1	1	1	1	1	1	1	1
24.000	D.E.F.J.	1	1	1	1	1	1	1	1	1
	K.L.	1	1	1	1	1	1	1	1	1
32.000	D.E.F.J.	2	2	2	2	2	2	2	2	2
	K.L.	1	1	1	1	1	1	1	1	1
37.000	D.E.F.J.	2	2	2	2	2	2	2	2	2
	K.L.	1	1	1	1	1	1	1	1	1
40.000	D.E.F.J.	2	2	2	2	2	2	2	2	2
	K.L.	1	1	1	1	1	1	1	1	1
44.000	D.E.F.J.	2	2	2	2	2	2	2	2	2
	K.L.	1	1	1	1	1	1	1	1	1
48.000	D.E.F.J.	2	2	2	2	2	2	2	2	2
	K.L.	1	1	1	1	1	1	1	1	1
53.125	D.E.F.J.	2	2	2	2	2	2	2	2	2
	K.L.	1	1	1	1	1	1	1	1	1

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
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	2
MTG. RAIL	

TABLE 8. KEY:

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

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Acceptance No. 07-0377-06
Expiration Date 06/23/23, 2011
By: *Manuel Posa*
3110 N. W. 13th Ave.
Miami, FL 33137

[Signature]
Ralph L. Clark, P.E.
PE #38712
Structural

Revised By: Date: *[Signature]* Date: *[Signature]*

Revision: 11/13/06
F.K. B
Revision: 1/24/08
F.K. A
Checked By: J.J. 2/23/07

NO CHANGE THIS SHEET

Revision: 10 of 11
Scale: NTS
Sheet: 4040-20
Rev: B

DESCRIPTION: ANCHORAGE SPACING, CUSTOM VIEW
THE: ALUM. SINGLE HUNG WINDOW, IMPACT

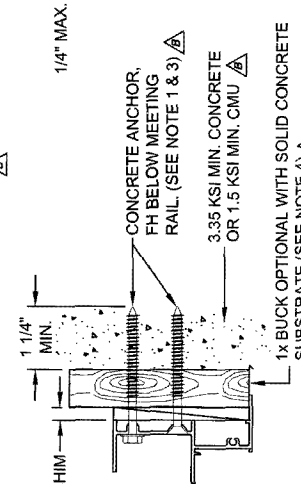
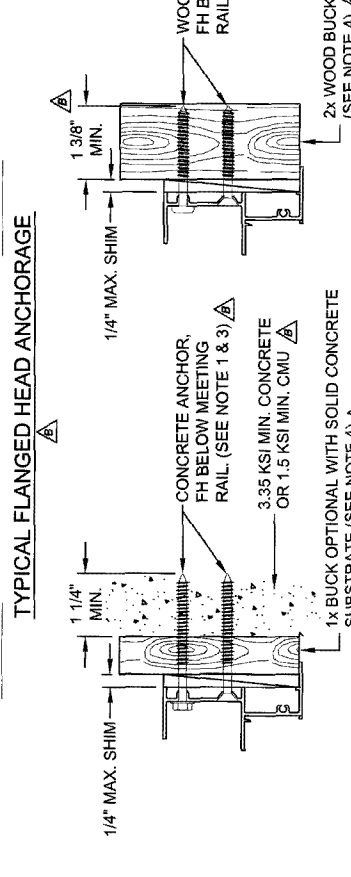
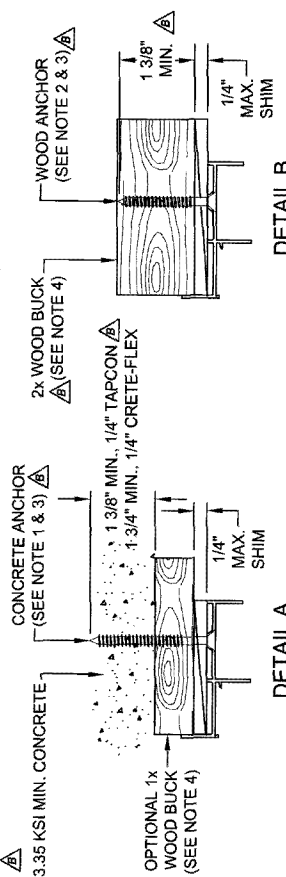
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

PGI
Visibly Better

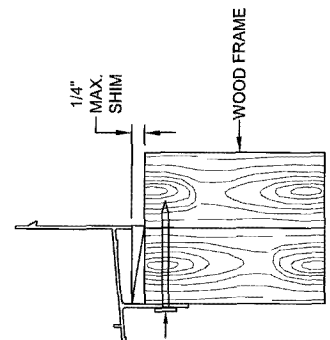
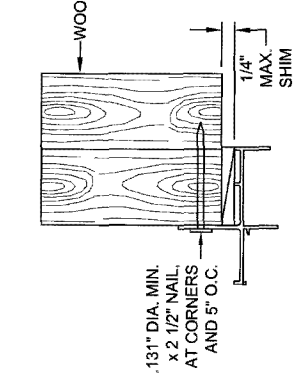
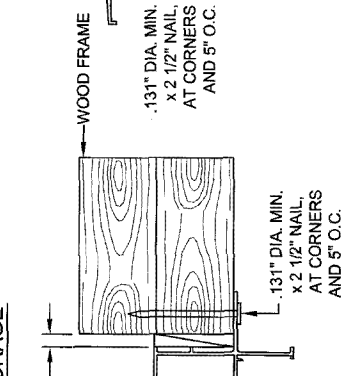
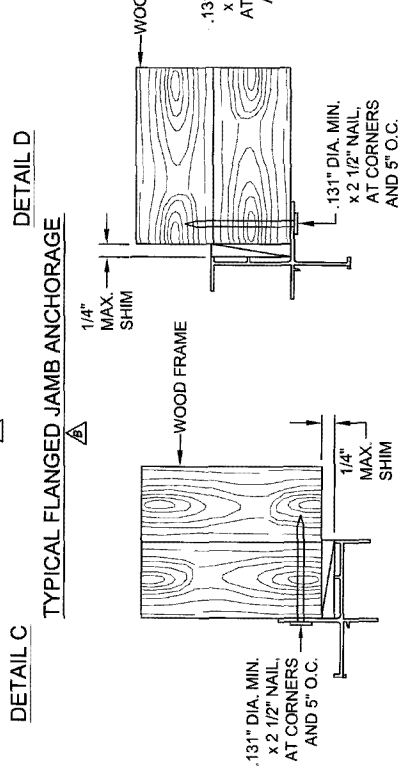
NOTES:

- 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".
- FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #12 STEEL SCREWS (G5) OR 1/4" SS4 CRETE-FLEX.
- FLAT HEAD ANCHORS, WHERE REQUIRED, MUST HAVE #12 TRIMFIT HEADS.
- 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.
- 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 #42 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.
- ANCHORS ARE NOT REQUIRED AT THE SILL OF FLANGED UNITS.
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FBC CURRENT EDITION, SECTION 2003.8.4 (SUPPLEMENT 2005).

EXTERIOR INTERIOR (ALL HEAD AND SILL DETAILS)



INTERIOR EXTERIOR (ALL JAMB DETAILS)



DETAIL G: (SILL)

DETAIL E: (JAMB)

DETAIL F: (HEAD)

TYPICAL INTEGRAL FIN ANCHORAGE

Revised By:	Date:	Reviewed:	Date:
Drawn By:	Date:	Checked By:	Date:
11/13/06	11/13/06	J.J.	2/23/07
<p>ADD INTEGRAL FIN ANCHORAGE, UPDATE & REORDER NOTES. ADD NOTES 7- UPDATE CONCRETE EMBEDMENT DIM.</p> <p>ADD NOTE 6 RE FLAT HEAD ANCHORS.</p>			
<p>1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1629 NOKOMIS, FL 34274</p>			
<p>DESCRIPTION: ANCHORAGE DETAILS</p>			
<p>ITEM: ALUM. SINGLE HUNG WINDOW, IMPACT</p>			
Sheet	NTS	11 of 11	Revised
Sheet No.			4040-20

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Acceptance No. 07-0322-06
Expiration Date 08/31/23, 2021

By: *Michael Davis*
Miami Trade Product Control
10/17/20

Robert L. Clark, P.E.
3/16/07
PE #93712
Structural