



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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

PGT Industries, Inc.
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 "HR-710" Aluminum Horizontal Roller Window – L.M.I.

APPROVAL DOCUMENT: Drawing No.4127-10, titled "Alum. Horizontal Roller Window, Impact", sheets 1 through 11 of 11, dated 02/28/2006 with the latest revision "C" dated 04/15/2007, prepared by PGT Industries, Inc., dated 08/10/2007, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile 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 No. 06-0405.06 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



NOA No 07-0815.09
Expiration Date: December 21, 2011
Approval Date: January 03, 2008
Page 1


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **4127-10**, titled "Alum. Horizontal Roller Window, Impact", sheets 1 through 11 of 11, dated 02/28/2006 with the latest revision "C" dated 04/15/2007, prepared by PGT Industries, Inc., dated 08/10/2007, 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 XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5330**, dated 07/18/2007, signed and sealed by Carlos S. Rionda, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
Along with marked-up drawings and installation diagram of XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4858**, dated 03/08/2006, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA# 06-0405.06)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
Along with marked-up drawings and installation diagram of XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4859**, dated 03/08/2006, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA# 06-0405.06)


Manuel Pérez, P.E.
Product Control Examiner
NOA No 07-0815.09
Expiration Date: December 21, 2011
Approval Date: January 03, 2008

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by PGT Engineering, dated 10/26/06, signed and sealed by Robert L. Clark, P.E.
Complies with ASTM E1300-98 and 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 Interlayer**” dated 01/05/2006, expiring on 12/11/2010.
2. Notice of Acceptance No. **03-0421.01** issued to Solutia Inc. for their “**Saflex HP a polyvinyl butryal interlayer for lamination of glass**” dated 05/22/2003, expiring on 04/14/2008.

F. STATEMENTS

1. Statement letter of compliance, and no financial interest, dated 08/10/2007, signed and sealed by Robert L. Clark, P.E.
2. Laboratory compliance letter for Test Report No. **FTL- 5330**, issued by Fenestration Testing Laboratory, Inc., dated 07/18/2007, signed and sealed by Carlos S. Rionda, P.E.
2. Laboratory compliance letter for Test Reports No.’s **FTL- 4858 and FTL- 4859**, issued by Fenestration Testing Laboratory, Inc., dated 03/08/2006, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA# 06-0405.06)

G. OTHER

1. Notice of Acceptance No. **06-0405.09**, issued to PGT Industries, Inc. for their Series “Alum. Horizontal Roller Window, Impact”, approved on 12/21/2006 and expiring on 12/21/2011.


Manuel Pérez, P.E.
Product Control Examiner
NOA No 07-0815.09
Expiration Date: December 21, 2011
Approval Date: January 03, 2008

GENERAL NOTES: IMPACT HORIZONTAL ROLLER FLANGED AND INTEGRAL FIN 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. 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" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
 - 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" OR 3/16" ANNEALED (MIN.) GLASS, 5/16" OR 3/8" 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" OR 3/16" ANNEALED (MIN.) GLASS, 5/16" OR 3/8" 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" OR 3/16" ANNEALED (MIN.) GLASS, 5/16" OR 3/8" 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" OR 3/16" ANNEALED (MIN.) GLASS, 3/16" OR 1/4" 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" OR 3/16" ANNEALED (MIN.) GLASS, 3/16" OR 1/4" 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 INTERLAYER.
 - L. 13/16" LAMI IG: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 3/16" OR 1/4" 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, XO, XOX
3. DESIGN PRESSURES: (SEE TABLES, SHEET 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-4858, FTL-4859 AND FTL-5330.
ELCO TEXTRON NOA: 04-0721.01, 03-0225.05
ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION
ADM-2005 ALUMINUM DESIGN MANUAL
8. 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

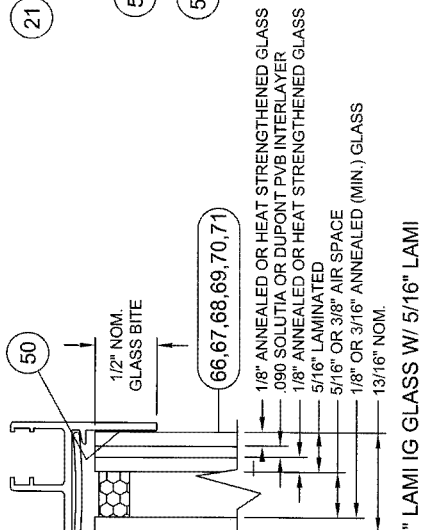
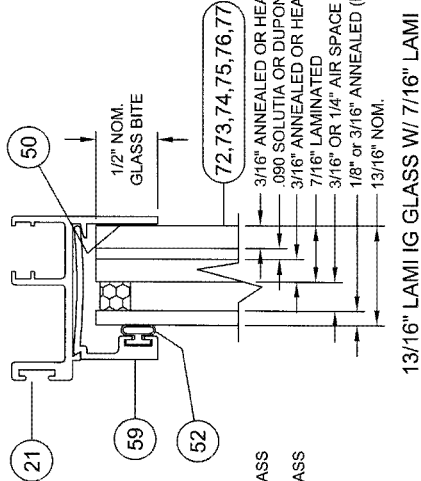
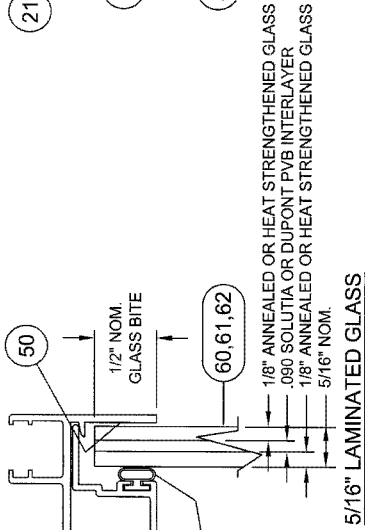
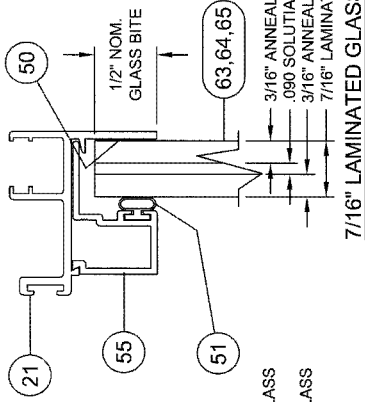
SHEET	
GENERAL NOTES.....	1
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PRODUCT REVISED as complying with the Florida Building Code
 Reference No. 07-0815-09
 Expiration Date 12/31/11
 By: *Manuel Berry*
 Miami/Dade Product Control Division

Robert L. Clark, P.E.
 8/10/07
 Robert L. Clark, P.E.
 PE #39712
 Structural

Revised By: F.K.	Date: 4/15/07	Revisions: C	ADD FTL-5330 TO NOTES 7 & CHG. NOTE 8 TO CURRENT EDIT.
Revised By: F.K.	Date: 10/17/06	Revisions: B	CHANGE TO ASTM E 1300-02
Revised By: F.K.	Date: 5/13/06	Revisions: A	ADD AIR SPACE DIM. NOTE 1, TECH. REF. NOTE 7 & NOTE 8.
Drawn By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/06
PGI 1070 TECHNOLOGY DRIVE NOROKHIS, FL 34275 P.O. BOX 1629 NOROKHIS, FL 34274 Visibly Better			
Description: GENERAL NOTES		Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT	Scale: NTS
Sheet: 1		of 11	Drawing No: 4127-10
Rev: C			

↔ EXTERIOR INTERIOR ↔
(ALL SECTIONS)



PRODUCT REVISED
as comp. / sig. with the Florida
Building Code
Acceptance No. **07-0815-09**
Expiration Date: **12/31/2011**
By: *Madame Davy*
Miami Data Product Company
Division

Robert L. Clark
8/10/07
Robert L. Clark, P.E.
PE #38712
Structural

Request By: F.K.	Date: 4/15/07	Revision: C	NO CHANGE THIS SHEET	 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1629 NOKOMIS, FL 34274	Sheet: 2 of 11	Drawing No: 4127-10	Rev.:
Request By: F.K.	Date: 10/17/06	Revision: B	NO CHANGE THIS SHEET		Scale: Full		C
Request By: F.K.	Date: 5/13/06	Revision: A	ADD AIR SPACE DIM. TO LAMI IG DETAILS		HR710		
Request By: F.K.	Date: 2/28/06	Revision: J.J.					
Description: GLAZING DETAILS ALUM. HORIZONTAL ROLLER WINDOW, IMPACT							

TABLE 1.
XOX (1/4, 1/2, 1/4) FLANGE OR INTEGRAL FIN WINDOWS (FLANGED SHOWN. FIN WINDOWS W/ SAME DLO ARE 1" SMALLER)

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT									
		26"	36"	38 3/8"	48"	50 5/8"	54"	60"	63"		
84"	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
106 3/8"	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
111"	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
UP TO 111"	C,I										
UP TO 111"	D,E,F, J,K,L										

TABLE 2.
XOX (1/3, 1/3, 1/3) FLANGE OR INTEGRAL FIN WINDOWS (FLANGED SHOWN. FIN WINDOWS W/ SAME DLO ARE 1" SMALLER)

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT	
		ALL HEIGHTS UP TO 63"	
TO 86 7/16"	A,B,C, G,H,I	+60.0	-60.0
TO 86 7/16"	D,E,F, J,K,L	+75.0	-75.0

TABLE 3.
OX AND XO FLANGE OR INTEGRAL FIN WINDOWS (FLANGED SHOWN. FIN WINDOWS W/ SAME DLO ARE 1" SMALLER)

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT									
		26"	36"	38 3/8"	48"	50 5/8"	54"	60"	63"		
60"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
72"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
UP TO 74"	C,D,E,F, I,J,K,L										

GLASS TYPES: TEST REPORT FTL-4858 (XOX), FTL-4859 (OX & XO) AND FTL-5330

- A. 5/16" LAMI - (1/8" A, .090, 1/8" A)
- B. 5/16" LAMI - (1/8" A, .090, 1/8" HS)
- C. 5/16" LAMI - (1/8" HS, .090, 1/8" HS)
- D. 7/16" LAMI - (3/16" A, .090, 3/16" A)
- E. 7/16" LAMI - (3/16" A, .090, 3/16" HS)
- F. 7/16" LAMI - (3/16" HS, .090, 3/16" HS)
- G. 13/16" LAMI IG-1/8" OR 3/16" A, 5/16" OR 3/8" AIR SPACE, 5/16" LAMI - (1/8" A, .090, 1/8" A)
- H. 13/16" LAMI IG-1/8" OR 3/16" A, 5/16" OR 3/8" AIR SPACE, 5/16" LAMI - (1/8" A, .090, 1/8" HS)
- I. 13/16" LAMI IG-1/8" OR 3/16" A, 5/16" OR 3/8" AIR SPACE, 5/16" LAMI - (1/8" HS, .090, 1/8" HS)
- J. 13/16" LAMI IG-1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A, .090, 3/16" A)
- K. 13/16" LAMI IG-1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A, .090, 3/16" HS)
- L. 13/16" LAMI IG-1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" HS, .090, 3/16" HS)

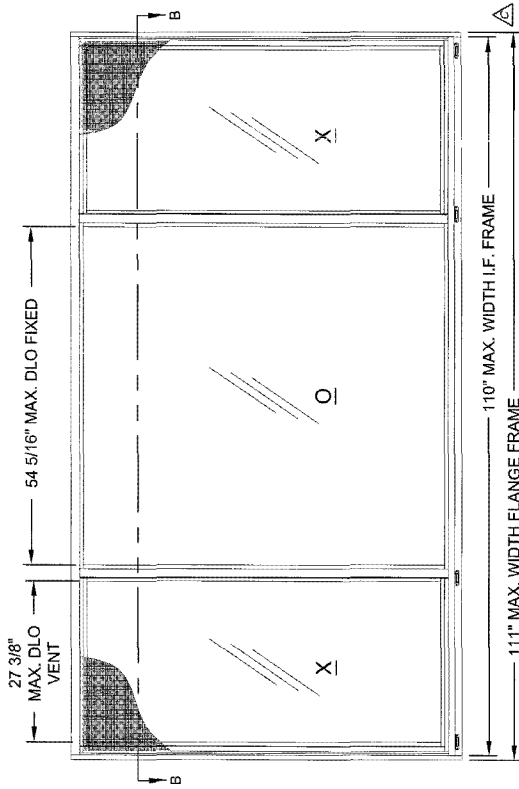
Revised By: F.K.	Date: 4/15/07	Revision: C	Specification: ADD INTEGRAL FIN OPTION & UPDATE ASTM E 1300-02 DPs
Revised By: F.K.	Date: 10/17/06	Revision: B	Specification: REVISE DP TABLES TO ASTM E 1300-02
Revised By: F.K.	Date: 5/13/06	Revision: A	Specification: ADD AIR SPACE DIMENSION GLASS TYPES G THRU L.
Created By: J.J.	Date: 3/23/06	Revision:	Specification:

Company: F.K.	Division: J.J.	Sheet: 3 of 11	Drawing No: 4127-10	Rev: C
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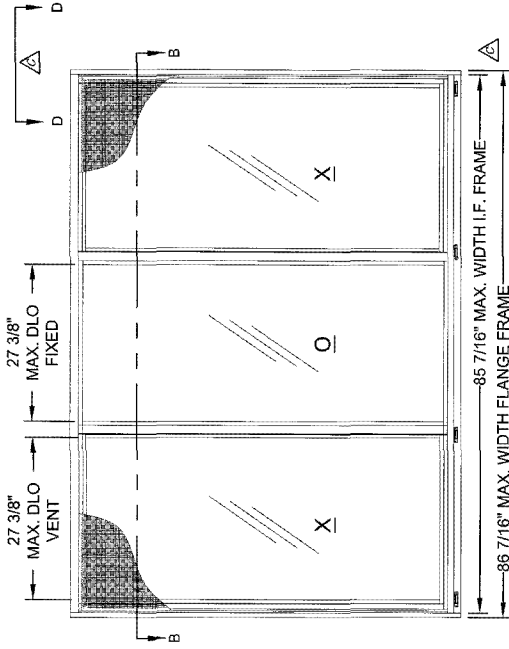
Company: PGT	Address: 1070 TECHNOLOGY DRIVE, NOKOMIS, FL 33475	Product: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT
Address: P.O. BOX 1529, NOKOMIS, FL 33474	Scale: NTS	Sheet: 3 of 11
Address: Visibly Better	Specification: HR710	Drawing No: 4127-10

NOT APPROVED
 in accordance with the Florida
 Building Code
 Acceptance No 07-0915.09
 Expiration Date 12/11/2011
 By: *Michael D. Clark*
 Miami Dade Product Control
 Division

Robert L. Clark, P.E.
 8/19/07
 Robert L. Clark, P.E.
 PE 430712
 Structural

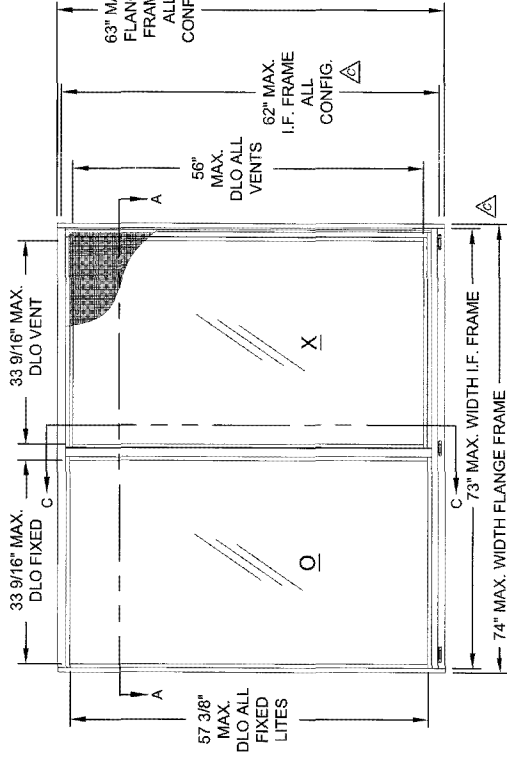


DETAIL B - XOX (1/4-1/2-1/4)



DETAIL C - XOX (1/3-1/3-1/3)

NOTE:
1. SEE SHEET 5 FOR VERTICAL AND HORIZONTAL SECTION DETAILS.



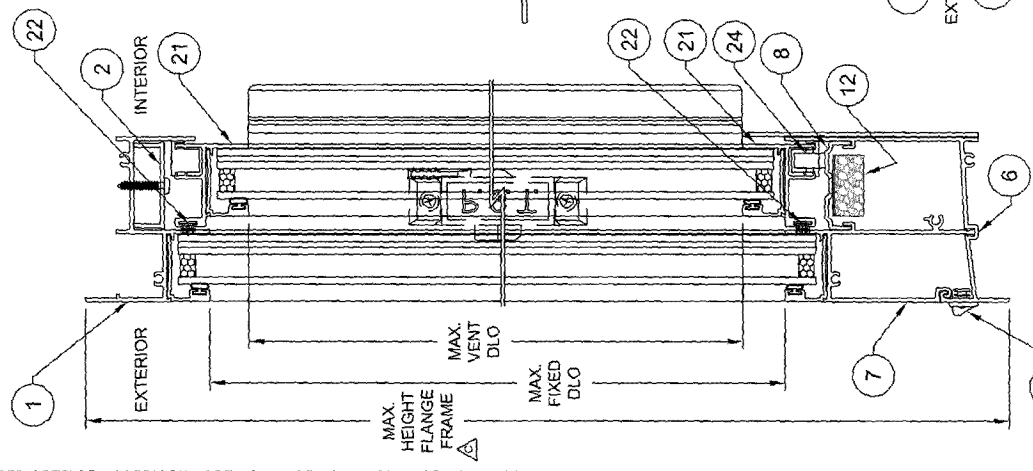
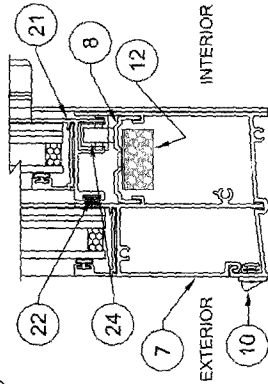
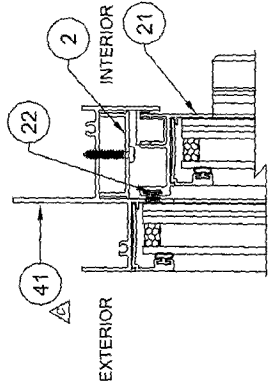
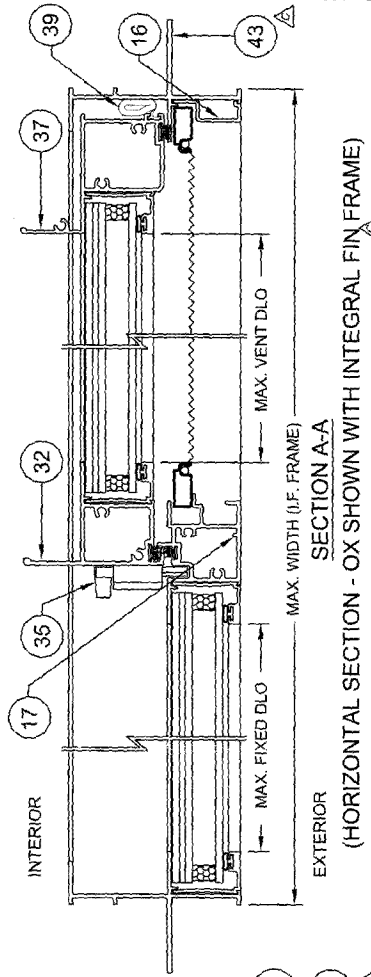
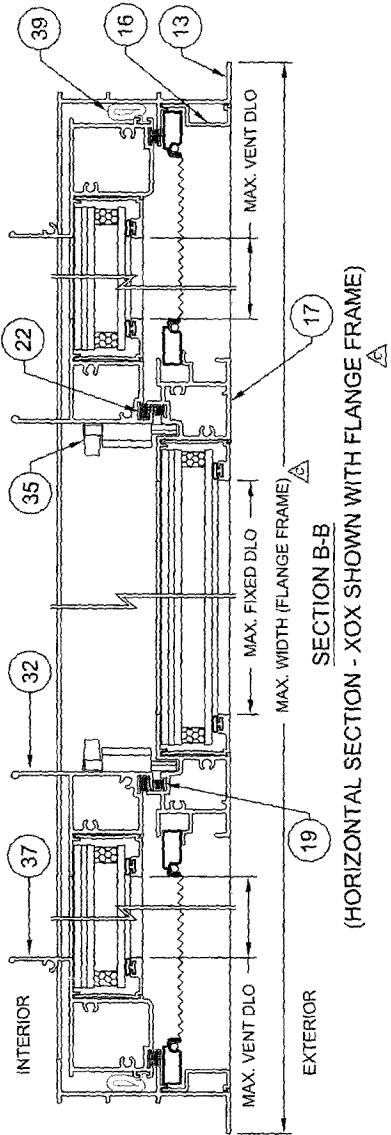
VIEW D-D
(FRAME CORNER CONSTRUCTION)

Revised By:	Date:	Revisions:	ADD INTEGRAL FIN FRAME MAX DIMENSIONS AND CORNER CONSTRUCTION DETAIL FROM SHT. 6
F.K.	4/15/07	C	
Revised By:	Date:	Revisions:	NO CHANGE THIS SHEET
F.K.	10/17/06	B	
Revised By:	Date:	Revisions:	NO CHANGE THIS SHEET
F.K.	5/13/06	A	
Drawn By:	Date:	Checked By:	Date:
F.K.	2/28/06	J.J.	3/23/06

1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1229 NOKOMIS, FL 34274		PGT Visibly Better	HR710 Scale NTS 4 of 11 Drawing No. 4127-10	C
ELEVATIONS WITH ALUM. HORIZONTAL ROLLER WINDOW, IMPACT		HR710 Scale NTS 4 of 11 Drawing No. 4127-10	HR710 Scale NTS 4 of 11 Drawing No. 4127-10	C

NOT REVISIONED
 APPROVED BY: [Signature]
 Association No. 07-0815.09
 Expiration Date 12/31/11
 By: [Signature]
 Mainstage Product Control
 Division

[Signature]
 8/10/07
 Robert L. Clark, P.E.
 PE #39712
 Structural



SECTION B-B (HORIZONTAL SECTION - XOX SHOWN WITH FLANGE FRAME) SECTION A-A (HORIZONTAL SECTION - OX SHOWN WITH INTEGRAL FIN FRAME)

SECTION C-C (VERTICAL SECTION, FLANGE FRAME) HEAD (VERTICAL SECTION, I.F. FRAME)

SILL (VERTICAL SECTION, I.F. FRAME)

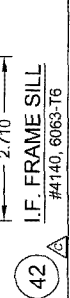
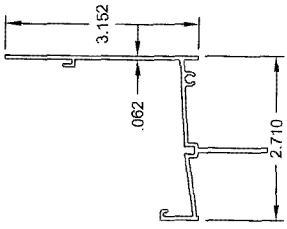
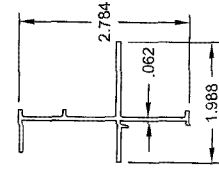
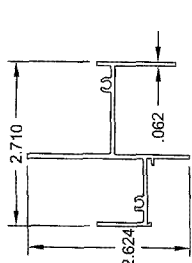
PRODUCT REVISED as conforming with the Florida Building Code. Approval No. 07-0815-09. Expiration Date: 12/18/2011.
 By: *W. W. W. W.* Manufacturer Product Control Division

Robert L. Clark, P.E.
 PE 438712
 Structural

Drawn By: F.K. 4/7/07	Checked By: J.J. 3/23/06	Revised By: B 10/17/06	Notes: C ADD INTEGRAL FIN FRAME. ITEMS 41, 42 AND 43 AND VIEWS. NO CHANGE THIS SHEET.	Scale: Half	Sheet: 5 of 11	Drawing No: 4127-10	Rev: C
<p>DESCRIPTION: SECTIONS</p> <p>TITLE: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT</p> <p>Standard: HR710</p>				<p>Logo: PGI Visible Barrier</p> <p>1070 TECHNOLOGY DRIVE NOKOMIS, FL 34775 P.O. BOX 1529 NOKOMIS, FL 34714</p>			

ITEM	DWG#	REV	DESCRIPTION	MAT'L	PGT#
1	4102	A	FLANGE FRAME HEAD	6063-T6 AL	612237
2	4025		SASH STOP (STD.) (ANTI LIFT CLIP)	6063-T5 AL	612244
3			#8 X 3/4 PH. PAN HEAD		7834AA
4	4053		SASH STOP COVER (SASH STOP)	6063-T5 AL	
6	4136		FLANGE FRAME SILL	6063-T6 AL	64136
7	4137		SILL ADAPTOR	6063-T6 AL	64137
8	4131		ROLLER TRACK	6063-T6 AL	64131
10	71298		WEEP HOLE COVER	POLYPROP.	71298
12	1626		ADHESIVE OPEN CELL FOAM PAD	7PAD1626	
13	4002	A	FLANGE FRAME JAMB	6063-T6 AL	612225
14	4134		GASKET FOR MAIN FRAME SILL JOINT	74134W/K	
15	1155		#8 X 1.000 QUAD PN. SMS	781POA	
16	4110	G	SCREEN ADAPTOR	6063-T5 AL	6410G
17	4054	B	FIXED MEETING RAIL	6063HD-T6 AL	64054A
19	4066		W/STP...187 X .230, FIN SEAL	64066G	
21	4105		SASH TOP & BOTTOM RAIL	6063-T5 AL	612240
22	1683		W/STP...250 X .270 BACK, FIN SEAL	61683G	
23	225-1		ROLLER HOUSING & GUIDE	42112HD	
24	226		BRASS ROLLER WHEELS	BRASS	7BRW/H1.2
29	4128		HORIZONTAL ROLLER SASH TOP GUIDE	POLYPROP.	44128N
32	4006	D	SASH MEETING RAIL	6063HS-T6 AL	64006
33	1235		W/STP...170 X .270 BACK, FIN SEAL	67S16G	
35	1096		SWEEP LA TCH	DIE-CAST	71096
36	1016		#8 X .625 PH. FL. SMS	7858	
37	4126		SASH SIDE RAIL	6063-T5 AL	64126
38	1683		W/STP...250 X .270 BACK, FIN SEAL	61683G	
39	7070		BULB WEATHERSTRIP .187 X .275	67070K	
40			LIFT RAIL COVER CAP	74078" C" L ORR	
41	4139		I.F. FRAME HEAD	6063-T6 AL	64139
42	4140		I.F. FRAME SILL	6063-T6 AL	64140
43	4141		I.F. FRAME JAMB	6063-T6 AL	64141
50			GLAZING SILICONE, DOW 899, 995 OR EQUIVALENT		
51	1224		VINYL GLAZING BEAD BULB (THICK)		61P24TW.K
52	1225		VINYL GLAZING BEAD BULB (THIN)		61P248K
53	4039	B	GLAZING BEAD - 5/16"	6063-T5 AL	64039B
54	4044	B	GLAZING BEAD - 5/16" W/GRILL KIT	6063-T5 AL	644703
55	4222	A	GLAZING BEAD - 7/16"	6063-T5 AL	64222
56	985	C	GLAZING BEAD - 7/16" W/GRILL KIT	6063-T5 AL	6985
59	4067		GLAZING BEAD - 13/16"	6063-T5 AL	64067
60	GLASS	5/16"	LAMI (1/8" A, .090 PVB, 1/8" A)		
61	"	5/16"	LAMI (1/8" A, .090 PVB, 1/8" HS)		
62	"	5/16"	LAMI (1/8" HS, .090 PVB, 1/8" HS)		
63	"	7/16"	LAMI (3/16" A, .090 PVB, 3/16" A)		
64	"	7/16"	LAMI (3/16" A, .090 PVB, 3/16" HS)		
65	"	7/16"	LAMI (3/16" HS, .090 PVB, 3/16" HS)		

ITEM	DWG#	REV	DESCRIPTION	MAT'L	PGT#
66	GLASS	13/16"	LAMI (1/8" A, 3/8" AIR SPACE, 5/16" LAMI (1/8" A, .090 PVB, 1/8" A)		
67	"	13/16"	LAMI (1/8" A, 3/8" AIR SPACE, 5/16" LAMI (1/8" A, .090 PVB, 1/8" HS)		
68	"	13/16"	LAMI (1/8" A, 3/8" AIR SPACE, 5/16" LAMI (1/8" HS, .090 PVB, 1/8" HS)		
69	"	13/16"	LAMI (1/8" A, 3/8" AIR SPACE, 5/16" LAMI (1/8" A, .090 PVB, 1/8" A)		
70	"	13/16"	LAMI (1/8" A, 3/16" AIR SPACE, 5/16" LAMI (1/8" A, .090 PVB, 1/8" HS)		
71	"	13/16"	LAMI (1/8" A, 3/16" AIR SPACE, 5/16" LAMI (1/8" HS, .090 PVB, 1/8" HS)		
72	"	13/16"	LAMI (1/8" A, 1/4" AIR SPACE, 7/16" LAMI (3/16" A, .090 PVB, 3/16" A)		
73	"	13/16"	LAMI (1/8" A, 1/4" AIR SPACE, 7/16" LAMI (3/16" A, .090 PVB, 3/16" HS)		
74	"	13/16"	LAMI (1/8" A, 1/4" AIR SPACE, 7/16" LAMI (3/16" HS, .090 PVB, 3/16" HS)		
75	"	13/16"	LAMI (1/8" A, 3/16" AIR SPACE, 7/16" LAMI (3/16" A, .090 PVB, 3/16" A)		
76	"	13/16"	LAMI (1/8" A, 3/16" AIR SPACE, 7/16" LAMI (3/16" HS, .090 PVB, 3/16" HS)		
77	"	13/16"	LAMI (1/8" A, 3/16" AIR SPACE, 7/16" LAMI (3/16" HS, .090 PVB, 3/16" HS)		
90	1014		SCREEN FRAME (HOR. & VER.)	3105-H14 AL	
91	1630		SCREEN CORNER KEY W/RINGS	POLYPROP.	
92	1631		SCREEN CORNER KEY W/OUT RINGS	POLYPROP.	
93	1073		SCREEN SPRING	ST-ST.	
94	1624		SCREEN SPLINE - .135 DIA. FOAM	EM PVC	
95	1635		SCREEN SPLINE - .135 DIA. HARD	EM PVC	
96			SCREEN	CLOTH	



Drawn By: F.K. Date: 4/7/507
 Revised By: F.K. Date: 10/17/06
 Revised By: F.K. Date: 5/13/06
 Checked By: J.J. Date: 3/23/06

ADD ITEMS 41, 42 & 43
 NO CHANGE THIS SHEET
 ADD SPACE DIMENSIONS ITEMS 66 THRU 77.

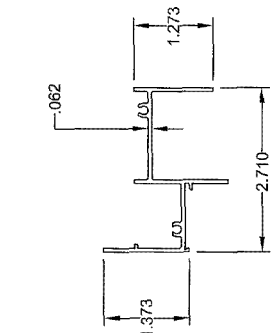
PGI
 Visibly Better

Description: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT
 Part No: HR710
 Scale: NTS
 Sheet: 6 of 11
 Drawing No: 4127-10
 Rev: C

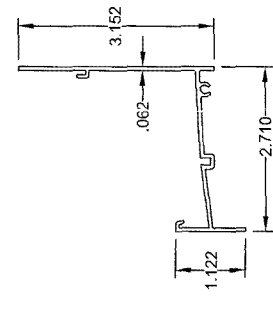
1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275
 P.O. BOX 1699
 NOKOMIS, FL 34274

PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0815-09
 Expiration Date 12/31/2011
 By: *Manuel Diaz*
 Miami-Dade Product Control
 Division

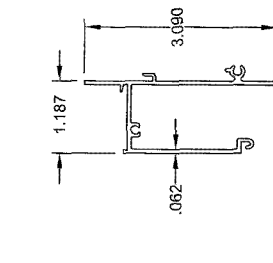
Robert L. Clark, P.E.
 PE #39712
 Structural



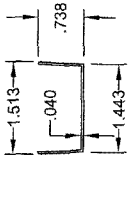
1 FLANGE FRAME HEAD
#4102A, 6063-T6



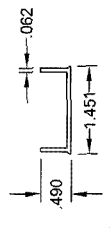
6 FLANGE FRAME SILL
#4136, 6065-T6



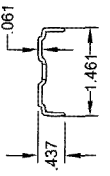
7 FRAME SILL ADAPTER
#4137, 6063-T6



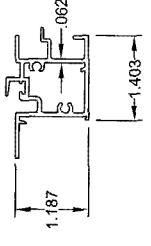
4 SASH STOP COVER
#4053, 6063-T5



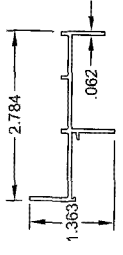
2 SASH STOP
#4025, 6063-T5



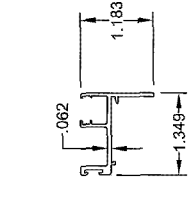
8 HORIZ. ROLLER TRACK
#4131, 6063-T6



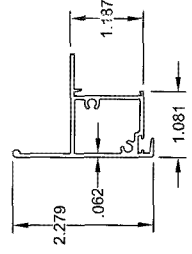
17 FIXED MEETING RAIL
#4054B, 6063HD-T6



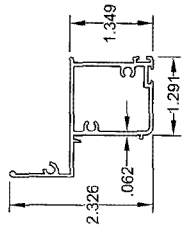
13 FLANGE FRAME JAMB
#4002A, 6063-T6



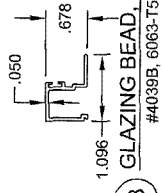
21 SASH TOP & BOTTOM RAIL
#44133, 6063-T5



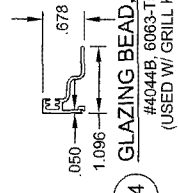
32 SASH MTG RAIL
#4006D, 6063HS-T6



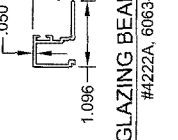
37 SASH SIDE RAIL
#44126, 6063-T5



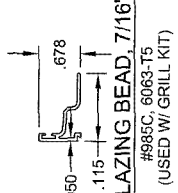
53 GLAZING BEAD, 5/16"
#4039B, 6063-T5



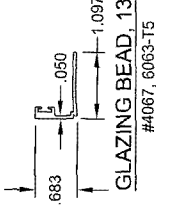
54 GLAZING BEAD, 5/16"
#4044B, 6063-T5
(USED W/ GRILL KIT)



55 GLAZING BEAD 7/16"
#4222A, 6063-T5



56 GLAZING BEAD, 7/16"
#885C, 6063-T5
(USED W/ GRILL KIT)



59 GLAZING BEAD, 13/16"
#40067, 6063-T5

Revis: 1 Date: 4/15/07 By: F.K. No: 10/17/06 Date: 5/13/06 By: F.K. Drawn By: F.K. Date: 2/28/06	Approved: C NO CHANGE THIS SHEET Rechecked: B NO CHANGE THIS SHEET Reapproved: A NO CHANGE THIS SHEET Checked By: J.J. Date: 3/23/06	Description: EXTRUSIONS TAIL: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT Part No: HR710 Stock: Half Size: 7 of 11 Drawing No: 4127-10 Rev: C
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274		 Visibly Better

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0815.09
 Expiration Date 12/12/2011
 By *Matthew Deig*
 Military/Dale Product Control
 Division

Robert L. Clark
 8/10/07

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

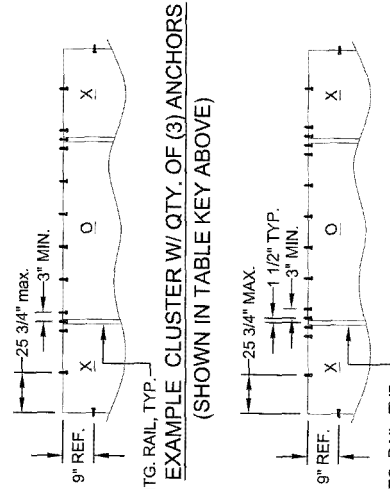
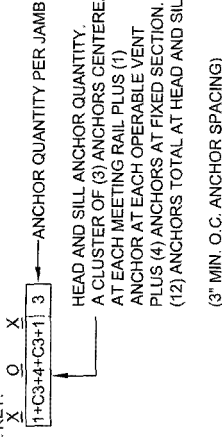
NOTES:

- ANCHOR TYPES:
1- 1/4" ELCO TAPCONS 2- 1/4" ELCO SS4 CRETE-FLEX 3- #12 STEEL SCREWS (G5)
- GLASS TYPES:
A. 5/16" LAMI - (1/8" A, .090, 1/8" A)
B. 5/16" LAMI - (1/8" A, .090, 1/8" HS)
C. 5/16" LAMI - (1/8" HS, .090, 1/8" HS)
D. 7/16" LAMI - (3/16" A, .090, 3/16" A)
E. 7/16" LAMI - (3/16" A, .090, 3/16" HS)
F. 7/16" LAMI - (3/16" HS, .090, 3/16" HS)
G. 13/16" LAMI IG - 1/8" OR 3/16" A, 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" A, .090, 1/8" A)
H. 13/16" LAMI IG - 1/8" OR 3/16" A, 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" A, .090, 1/8" HS)
I. 13/16" LAMI IG - 1/8" OR 3/16" A, 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" HS, .090, 1/8" HS)
J. 13/16" LAMI IG - 1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A, .090, 3/16" A)
K. 13/16" LAMI IG - 1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A, .090, 3/16" HS)
L. 13/16" LAMI IG - 1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" HS, .090, 3/16" HS)
- WINDOW ANCHOR QUANTITIES ARE PER ADJACENT TABLE AND BASED ON THE FOLLOWING DIMENSIONS: FOR WINDOW SIZES NOT SHOWN, GO TO NEXT LARGER WINDOW IN TABLE.

HEAD & SILL: 10 1/2" MAX. ON EACH SIDE OF MEETING RAIL CENTERLINE.
25 3/4" MAX. FROM CORNERS.

JAMBS: 9" MAX. FROM CORNERS AND 22 1/2" MAX. O.C.
25 3/4" MAX. FROM CORNERS.

TABLE KEY:



PRODUCT REVISIONS
Elastomeric Sealant like Florida
Elastomeric Sealant like Florida
Approval No. 07-0815-09
Approval Date 12/12/20
By: *Michael J. [Signature]*
Marty Dale Product Control
Division

[Signature]
8/10/07
Robert L. Clark, P.E.
PE #39712
Structural

TABLE 4

ANCHOR TYPE & SUBSTRATE	GLASS TYPES A,B,C,G,H,I											
	2,3, WOOD ZONES		2, CONC ZONES		2,3, WOOD ZONES		2, CONC ZONES		1, CONC ZONES		1, CONC ZONES	
	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS
53, 125 x 36, 375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48, 000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
50, 625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
54, 000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
60, 000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
63, 000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
60, 000 x 36, 375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48, 000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
50, 625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
54, 000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
60, 000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
63, 000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
74, 000 x 36, 375	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2
48, 000	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3
50, 625	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3
54, 000	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3
60, 000	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3
63, 000	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3
84, 000 x 36, 375	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2
48, 000	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3
50, 625	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3
54, 000	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3
60, 000	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3
63, 000	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3
106, 375 x 36, 375	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2
48, 000	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3
50, 625	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3
54, 000	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3
60, 000	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3
63, 000	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3
111,000 x 36, 375	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	2
48, 000	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3
50, 625	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3
54, 000	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3
60, 000	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3
63, 000	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3	1+C2+3+C2+1	3

PGI
Visible Better

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1659
NOKOMIS, FL 34274

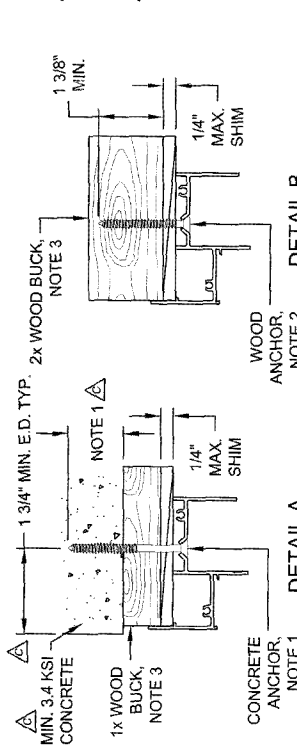
UPDATE TABLE 4. SELECT VALUES DUE TO ANCHOR CAP. ADJ.

Revised By: F.K.	Date: 4/15/07
Revised By: F.K.	Date: 10/17/06
Revised By: F.K.	Date: 5/13/06
Created By: F.K.	Date: 2/28/06

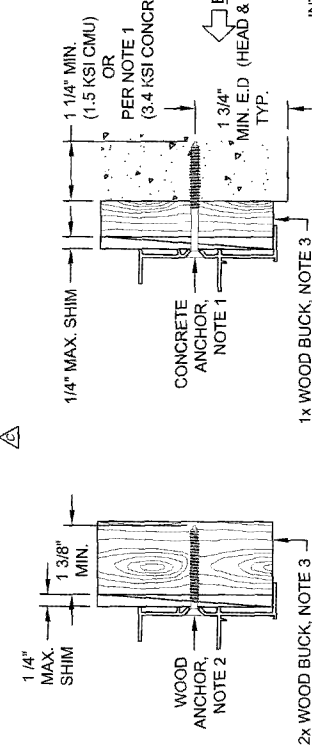
Anchor Spacing	ANCHORAGE SPACING, XOX (1/4-1/2-1/4)
Product	ALUM. HORIZONTAL ROLLER WINDOW, IMPACT
Scale	NTS
Sheet	8 of 11
Quantity	4127-10
Rev	C

NOTES:

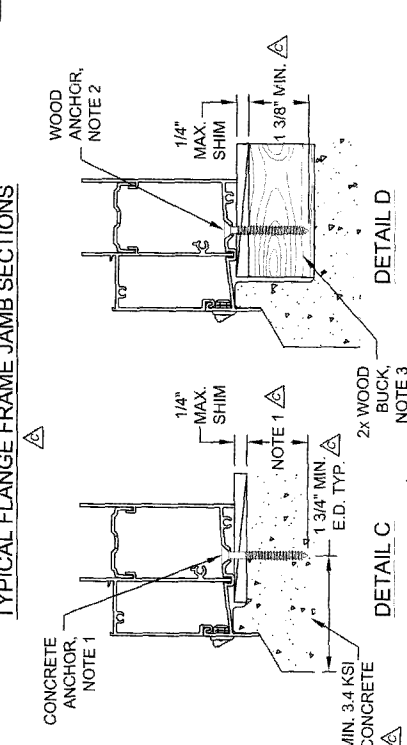
- FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 1/4" ELCO TAPCONS EMBEDDED 1 3/8" MIN. OR 1/4" SS4 CRETE-FLEX EMBEDDED 1 3/4" MIN.. MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1 3/4". FLATHEAD ANCHORS MUST BE #12 TRIMFIT HEAD.
- FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #12 STEEL SCREWS (G5) OR 1/4" SS4 CRETE-FLEX WITH #12 TRIMFIT HEAD.
- 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 #12 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES AND ANCHORAGE SPACING FOR ANCHOR TYPE 2 MAY BE USED.
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE, CURRENT EDITION.



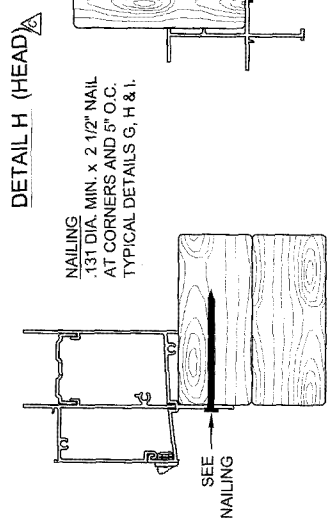
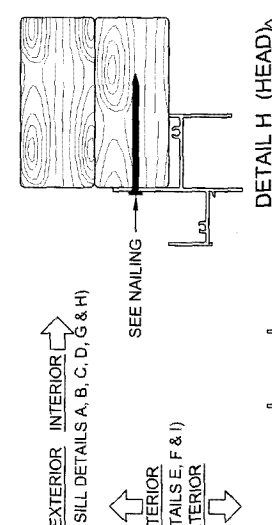
TYPICAL FLANGE FRAME HEAD SECTIONS



TYPICAL FLANGE FRAME JAMB SECTIONS



TYPICAL FLANGE FRAME SILL SECTIONS



TYPICAL INTEGRAL FIN FRAME SECTIONS

Date: 4/15/07 Drawn By: J.J. Checked By: J.J. Rev'd By: F.K. Rev'd By: F.K. Rev'd By: F.K. Rev'd By: F.K.	Revision: C Revision: B Revision: A ADD NOTE 5.	Description: 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.C. BOX 1529 NOKOMIS, FL 34274	Material: ANCHORAGE DETAILS Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT	Scale: Half Sheet: 11 of 11 Drawing No: 4127-10	Div: Structural P.E. #39712 Date: 8/10/07
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By: *M. Powell*
 Miami-Dade Product Control
 Division
 Expires: 07-09-15-09
 Evaluation Date: 12/12/2011
 Florida

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