



**MIAMI-DADE**  
**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)**

**Gopi Glass Sales & Services Corporation**  
**7450 N. W. 41 Street**  
**Miami, FL 33166**

**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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Series "510" Aluminum Fixed Window-Impact**

**APPROVAL DOCUMENT:** Drawing No. **W02-50 Rev B**, titled "510 Aluminum Fixed Window (Impact)", sheets 1 through 4 of 4, dated 05/20/02 and last revised on 09-14-05, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, 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 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 # **02-0826.03** consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



5/26/06

**NOA No 06-0210.06**  
**Expiration Date: February 20, 2008**  
**Approval Date: June 15, 2006**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- A. **DRAWINGS** (transferred from file # 02-0826.03)
1. Manufacturer's die drawings and sections.
  2. Drawing No. **W02-50 Rev B**, titled "510 Aluminum Fixed Window (Impact)", sheets 1 through 4 of 4, dated 05/20/02 and last revised on 09-14-05, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P.E.
- B. **TESTS** (transferred from file # 02-0826.03)
1. Test reports on 1) Air Infiltration Test, per TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per TAS 202-94  
3) Water Resistance Test, per TAS 202-94  
4.) Large Missile Impact Test, SFBC PA 201-94  
5.) Cyclic Loading Test, per SFBC PA 203-94

Along with marked-up drawings and installation diagram of a series 510 aluminum fixed window, prepared by Hurricane Engineering & Testing Lab, Inc., Test Report No. **HETI-02-1211, HETI-02-1145A** and **HETI-02-1145B** dated March, 04, March 05 and April 30<sup>th</sup>, 2002 respectively signed and sealed by Hector M. Medina, P. E.

C. **CALCULATIONS**

1. Anchor verification complying w/ FBC 2004 rev, dated Sept. 14, 2005, prepared by Al-Farooq Corporation, signed & sealed by Dr. Humayoun Farooq, P. E.
2. Anchor calculations, comparative and structural analysis, dated August 20, 2002, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P. E. (transferred from file # 02-0826.03)
3. Glazing complies w/ ASTM E-1300-02.

D. **QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO)

E. **MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **06-0216.06** (Rev 01-0205.02) issued to Solutia Inc. for "Saflex III G interlayer", expiring on 05/21/2011.

F. **STATEMENTS** (transferred from file # 02-0826.03)

1. Statement of anchor verification compliance per FBC 2004 rev prepared by Al-Farooq Corporation dated Sep 14, 2005, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Statement letter of conformance and statement letter of no financial interest dated August 15, 2002, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Laboratory compliance stated as part of above test reports.

F. **OTHER**

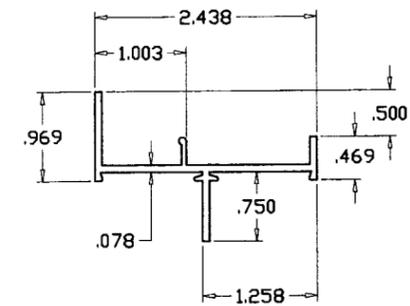
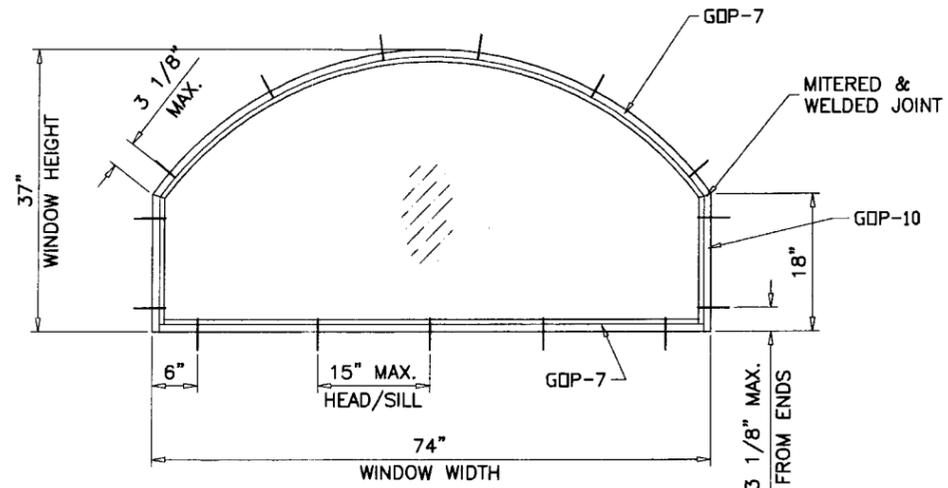
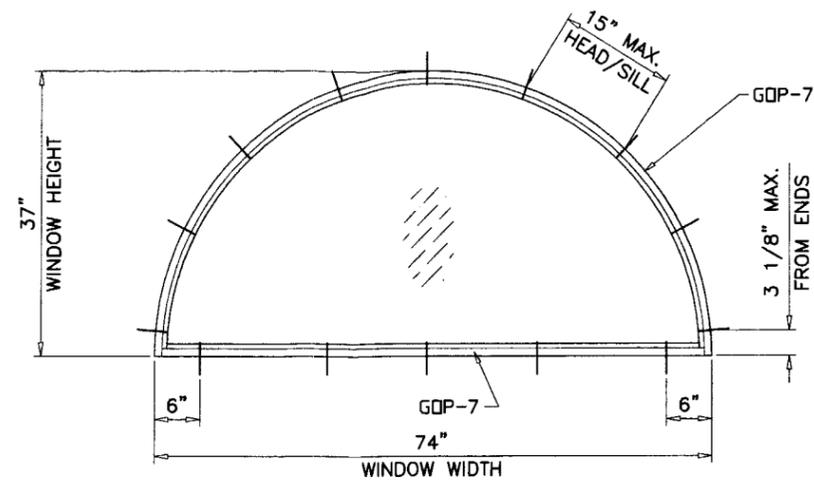
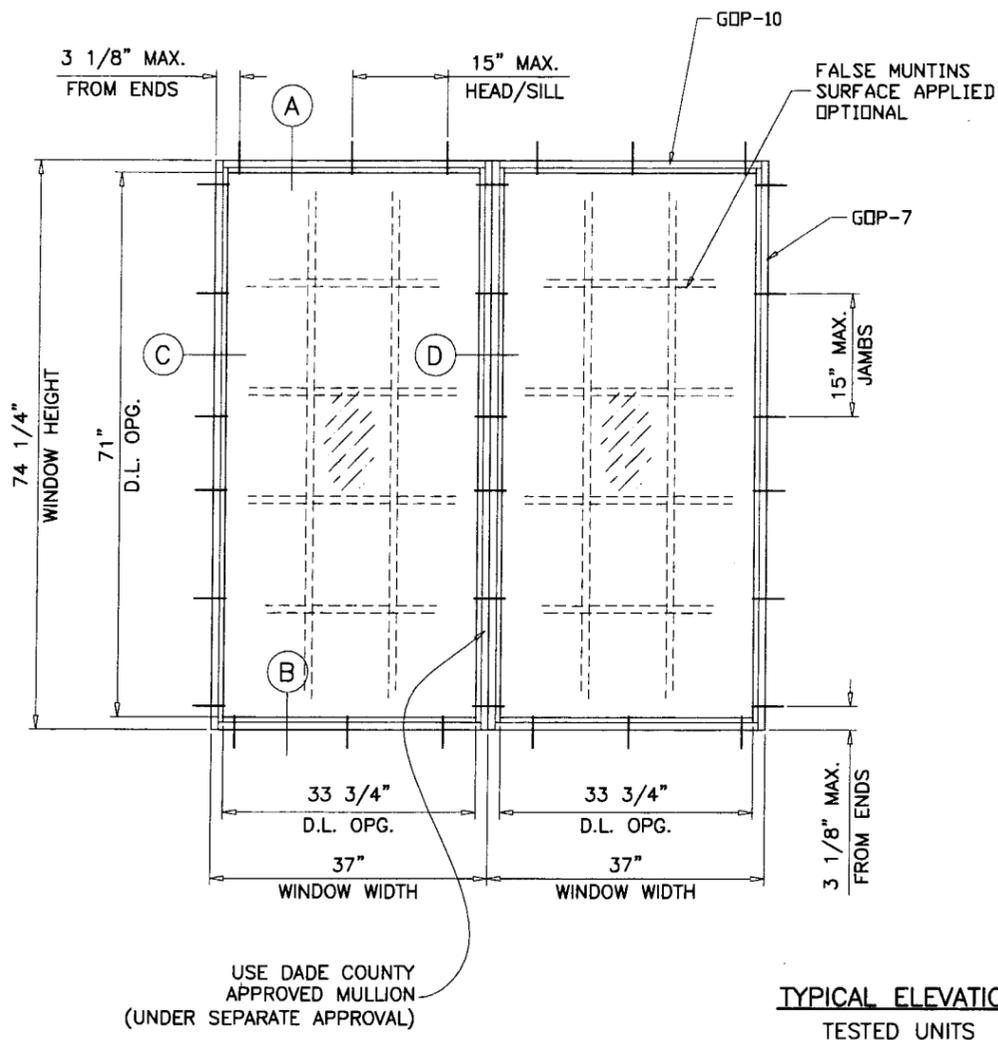
1. This NOA revises NOA # **02-0826.03**, expiring February 20, 2008.
2. Proposal **01-0455**, approved by BCCO dated 12-13-2001.

*Ishaq I. Chanda*

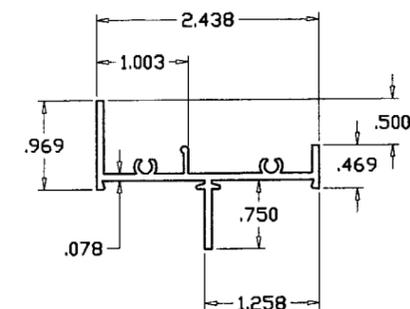
**Ishaq I. Chanda, P.E.**  
**Product Control Examiner**  
**NOA No 06-0210.06**

**Expiration Date: February 20, 2008**

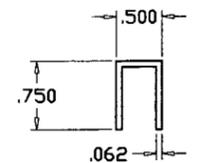
**Approval Date: June 15, 2006**



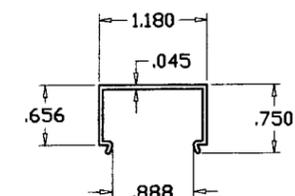
FRAME HEAD/SILL  
GOP-10



FRAME JAMB  
GOP-7



GLAZING STOP  
GOP-9



COVER CHANNEL  
GOP-8

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 06-0210-06  
Expiration Date FEBRUARY 20, 2008  
By *Chen J. Chandel*  
Miami Dade Product Control  
Division

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

SEP 14 2005

**SERIES-510 ALUMINUM FIXED WINDOW**

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHART SHOWN ON SHEET 2.

FIXED WINDOWS GLAZED WITH LAMINATED GLASS RATED FOR LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A 33% INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF WOOD ANCHORS ONLY.

ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

*afc*

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES-510 ALUM FIXED WINDOW (IMPACT)  
**GOPI GLASS CORPORATION**  
7450 N.W. 41 STREET  
MIAMI, FL. 33166  
TEL. (305) 592-2089 FAX. (305) 477-0992

no	date	description
A	01.04.03	REV. PER BCCO COMMENTS
B	09.12.05	UPDATED FOR 2004 FBC

date: 05-20-02  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W02-50**

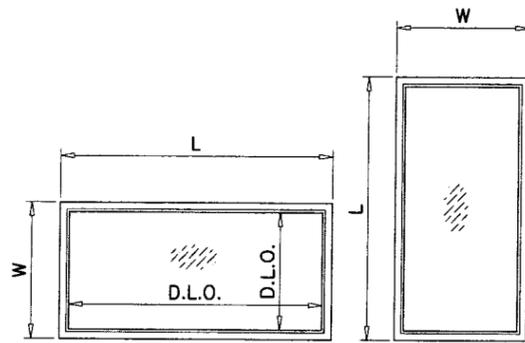
sheet 1 of 4

COMP-ANL\W02-50GGC

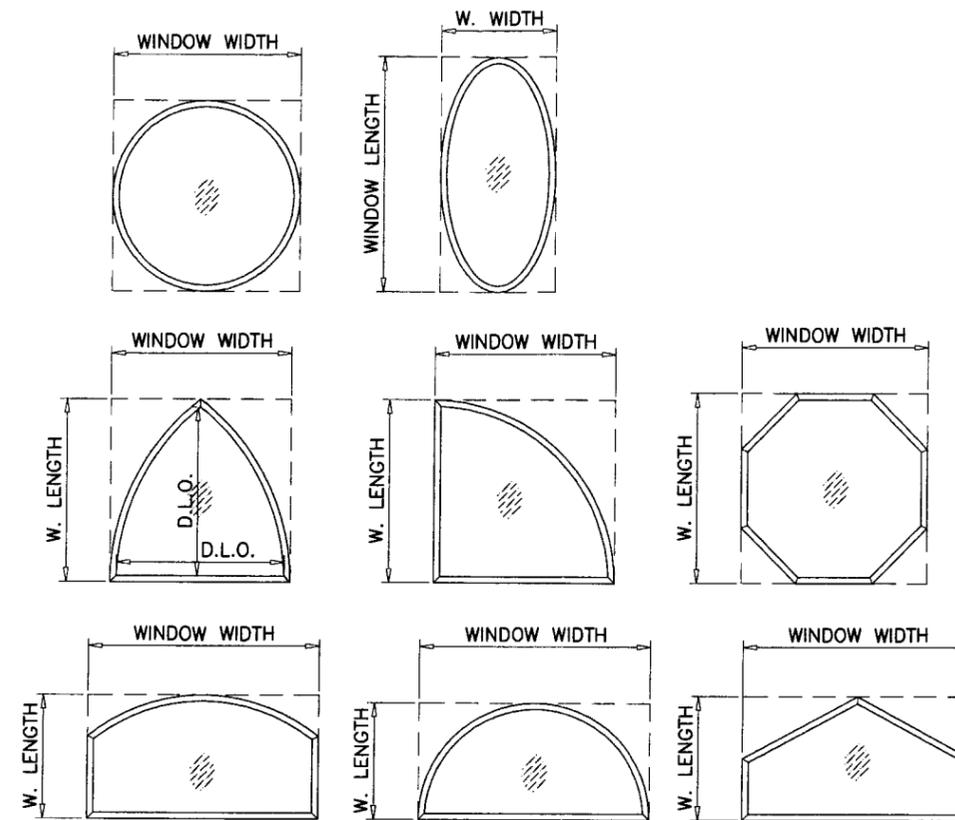
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPES 'A', 'B' & 'C'	
WIDTH	LENGTH	EXT. (+)	INT. (-)
18" (3)	36" (3)	71.0	71.0
24" (3)		71.0	71.0
30" (3)		71.0	71.0
36" (3)		71.0	71.0
42" (4)		71.0	71.0
18" (3)	48" (4)	71.0	71.0
24" (3)		71.0	71.0
30" (3)		71.0	71.0
36" (3)		71.0	71.0
42" (4)		63.0	63.0
18" (3)	60" (5)	71.0	71.0
24" (3)		71.0	71.0
30" (3)		71.0	71.0
36" (3)		71.0	71.0
42" (4)		63.0	63.0
18" (3)	72" (6)	71.0	71.0
24" (3)		71.0	71.0
30" (3)		71.0	71.0
36" (3)		71.0	71.0
24" (3)	84" (6)	71.0	71.0
30" (3)		71.0	71.0
24" (3)	96" (7)	71.0	71.0
19-1/8" (3)	26" (3)	71.0	71.0
26-1/2" (3)		71.0	71.0
37" (3)		71.0	71.0
48" (4)		71.0	71.0
53-1/8" (5)		71.0	71.0
19-1/8" (3)	38-3/8" (4)	71.0	71.0
26-1/2" (3)		71.0	71.0
37" (3)		71.0	71.0
48" (4)		68.9	68.9
53-1/8" (5)		68.9	68.9
19-1/8" (3)	50-5/8" (4)	71.0	71.0
26-1/2" (3)		71.0	71.0
37" (3)		71.0	71.0
48" (4)		55.1	55.1
53-1/8" (5)		52.2	52.2
19-1/8" (3)	57" (5)	71.0	71.0
26-1/2" (3)		71.0	71.0
37" (3)		71.0	71.0
48" (4)		55.1	55.1
53-1/8" (5)		52.2	52.2
19-1/8" (3)	63" (5)	71.0	71.0
26-1/2" (3)		71.0	71.0
37" (3)		70.0	70.0
19-1/8" (3)	74-1/4" (6)	71.0	71.0
26-1/2" (3)		71.0	71.0
37" (3)		67.0	67.0

NUMBERS IN PARENTHESIS INDICATE NUMBER OF ANCHORS REQD. PER SIDE.

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02 (3 SEC. GUSTS)

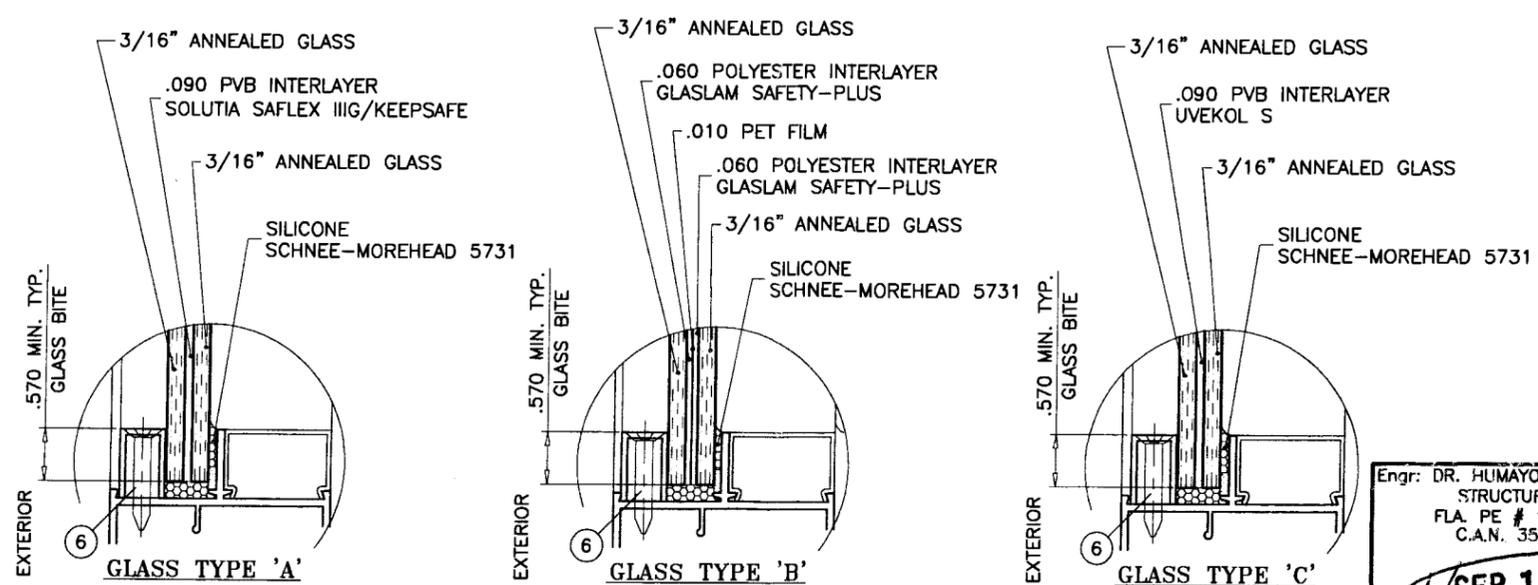


NOTE:  
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

D.L.O. = WIDTH OR HEIGHT - 3.25"



GLAZING OPTIONS

LARGE MISSILE IMPACT RESISTANT GLASS, SHUTTERS ARE NOT REQUIRED

PRODUCT REVISED  
in compliance with the Florida Building Code  
Acceptance No. 06-0210.06  
Expiration Date FEB 21, 2008  
By Ishag J. Chande  
Miami Dade Product Control Division

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538  
SEP 14 2005

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W02-50GGC

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**GOPI GLASS CORPORATION**  
7450 N.W. 41 STREET  
MIAMI, FL. 33166  
TEL. (305) 592-2089 FAX. (305) 477-0992

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SERIES-510 ALUM FIXED WINDOW (IMPACT)

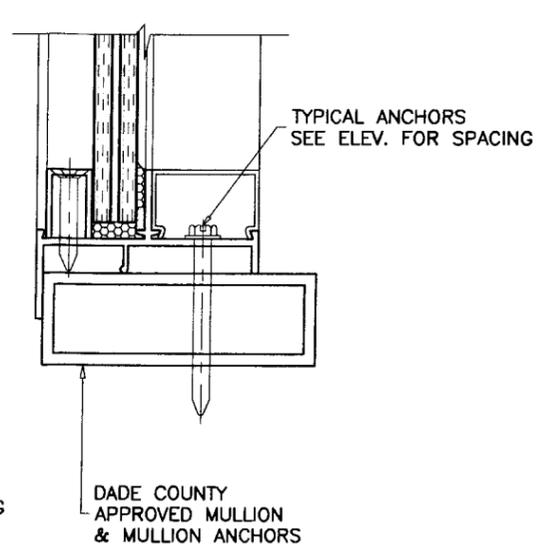
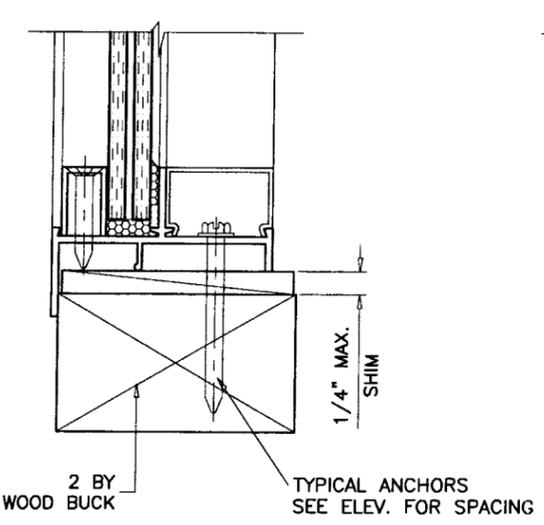
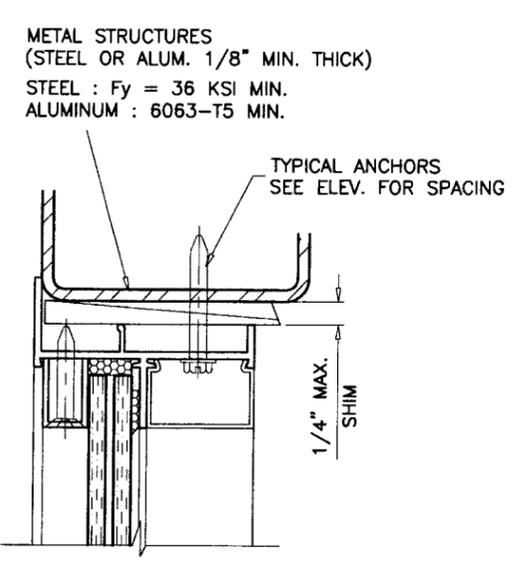
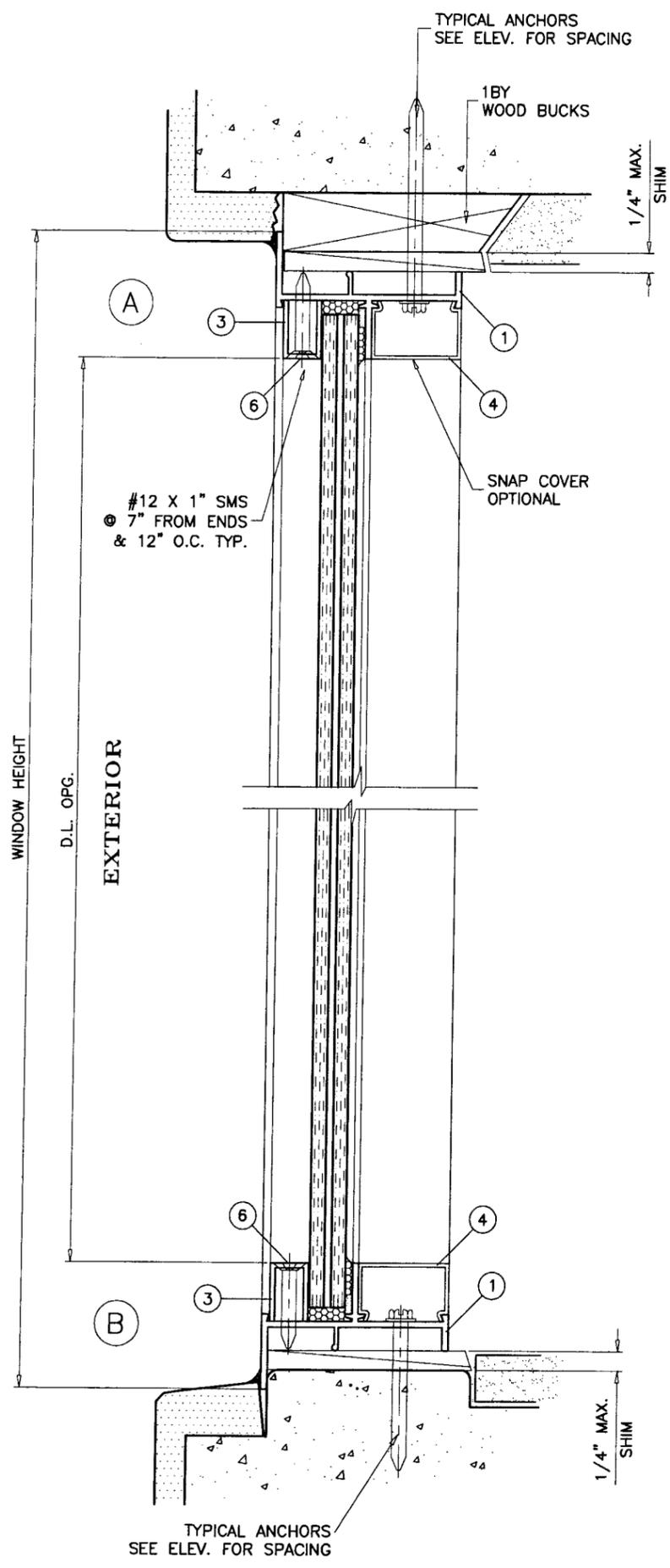
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A	01.04.03	REV. PER BCCO COMMENTS
B	08.12.05	CHARTS REV.

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date: 05-20-02  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

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drawing no. **W02-50**  
sheet 2 of 4



WOOD BUCKS NOT BY GOPI GLASS CORP., MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

**1/4" TAPCONS**  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE  
1-3/8" MIN. PENETRATION INTO WOOD  
THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY  
1-1/4" MIN. EMBED INTO MASONRY OR CONC.

**#12 SMS OR SELF DRILLING SCREWS (GRADE 5)**  
INTO METAL STRUCTURES (1/8" MIN. THICKNESS)

**#12 SMS OR SELF DRILLING SCREWS (MIN. GRADE 2 CRS)**  
INTO APPROVED MULLIONS (NO SHIM SPACE)

**SEALANTS:**

FRAME CORNERS AND INSTALLATION SCREWS AT SILL  
SEALED WITH SEALANT.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 06-0210.06  
Expiration Date FEB 20, 2008  
By Abdul Qadir Chaudhry  
Regional Design Product Control  
Division

Engr: DR. HUMAYOON FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

SEP 14 2005

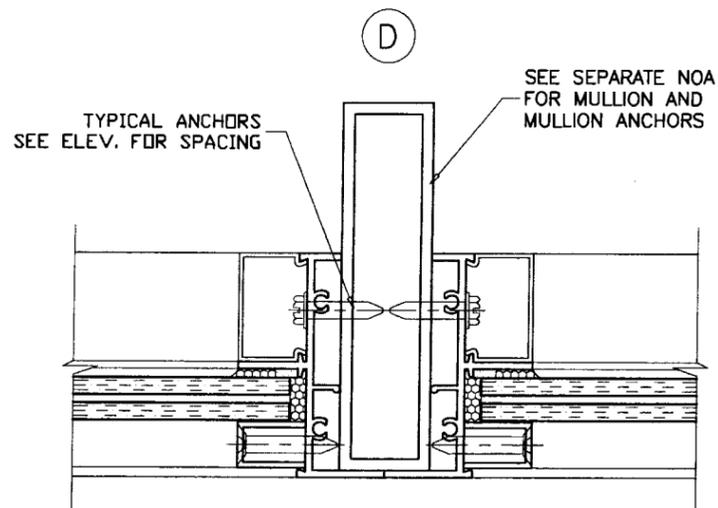
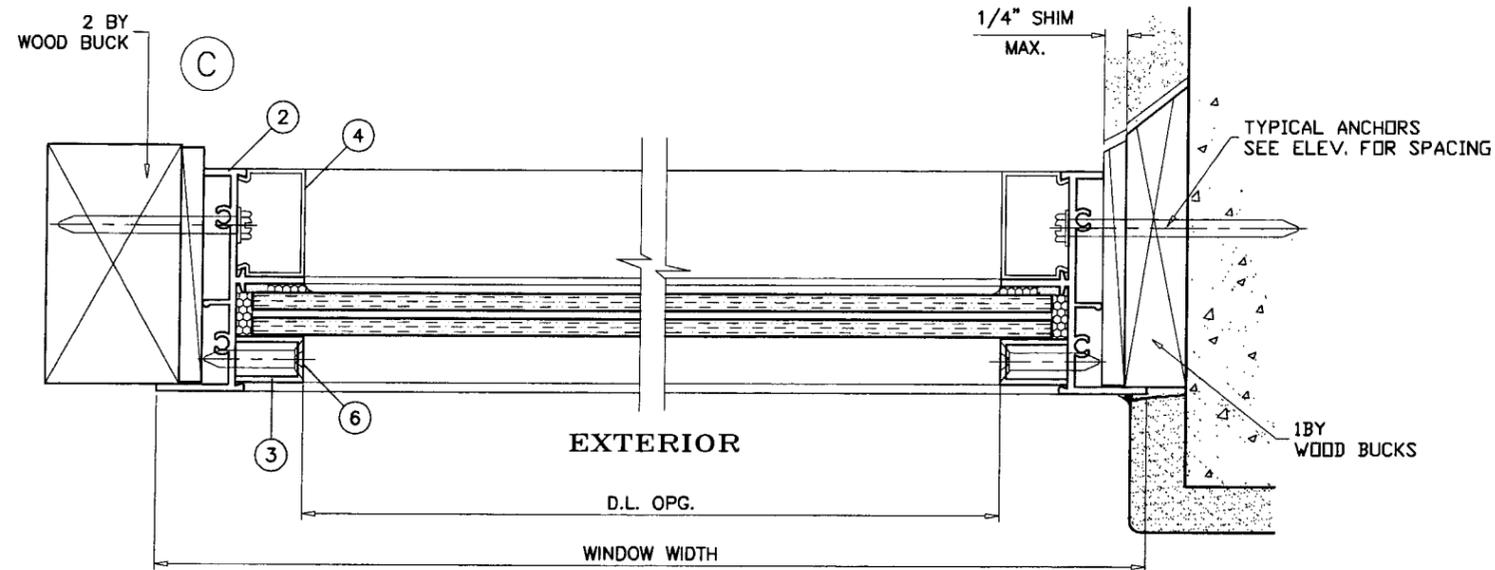
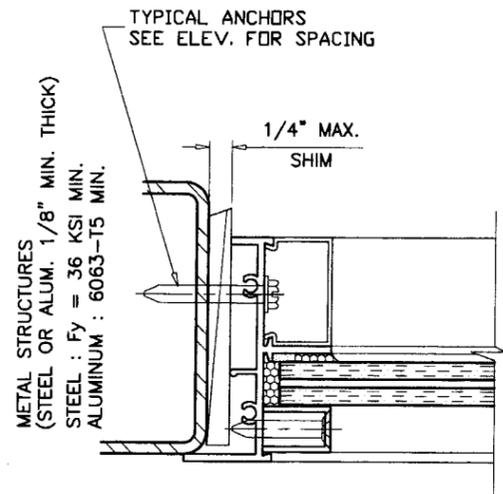
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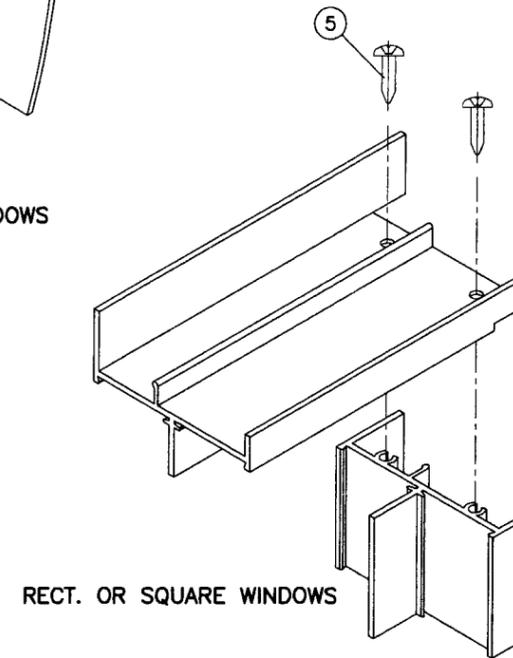
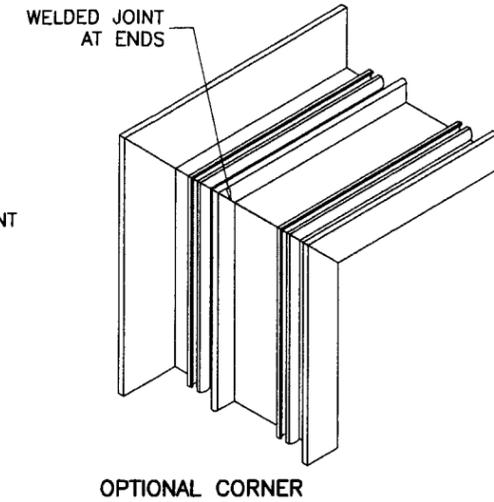
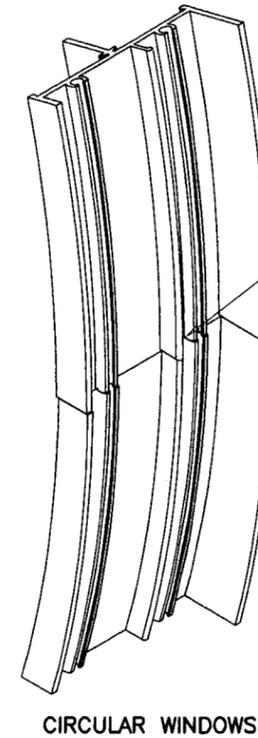
no.	date	by	description
A	01.04.03		REV. PER BCCO COMMENTS
B	09.12.05		ANCHORS REV.

date: 05-20-02  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W02-50**  
sheet 3 of 4



ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GOP-10	2	FRAME HEAD/SILL	6063-T5	-
2	GOP-7	2	FRAME JAMB	6063-T5	-
3	GOP-9	4	GLAZING BEAD	6063-T5	-
4	GOP-8	AS REQD.	COVER CHANNEL	6063-T5	OPTIONAL
5	#8 X 3/4"	2/	CORNER ASSEMBLY SCREWS	-	P.H. PHILLIPS
6	#12 X 1"	AS REQD.	GLAZING BEAD SCREWS 7" FROM ENDS & 12" O.C.	-	F.H. SMS



**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 06-0210-06  
 Expiration Date FEBRUARY 20, 2008  
 By Ismael L. Chanda  
 National Data Product Control  
 Division

Engr: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538

SEP 14 2005

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**GOPi GLASS CORPORATION**  
 7450 N.W. 41 STREET  
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 TEL. (305) 592-2089 FAX. (305) 477-0992

no	date	description
A	01.04.03	NO CHANGE THIS SHEET
B	09.12.05	NO CHANGE THIS SHEET

date: 05-20-02  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W02-50**  
 sheet 4 of 4