



**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)**

**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, titled "510 Aluminum Fixed Window (Impact)", sheets 1 through 4 of 4, dated 05/20/02 and last revised on 01-04-03, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, 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 Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.

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



**NOA No 02-0826.03  
Expiration Date: February 20, 2008  
Approval Date: February 20, 2003  
Page 1**

**Gopi Glass Sales & Services Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. W02-50, titled "510 Aluminum Fixed Window (Impact)", sheets 1 through 4 of 4, dated 05/20/02 and last revised on 01-04-03, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P. E.

**B. TESTS**

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 calculations, comparative and structural analysis, dated August 20, 2002, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P. E.

**D. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **01-0205.02** issued to Solutia Inc. for "Saflex /Keepsafe PVB", expiring on 05/21/06.

**E. STATEMENTS**

1. 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.

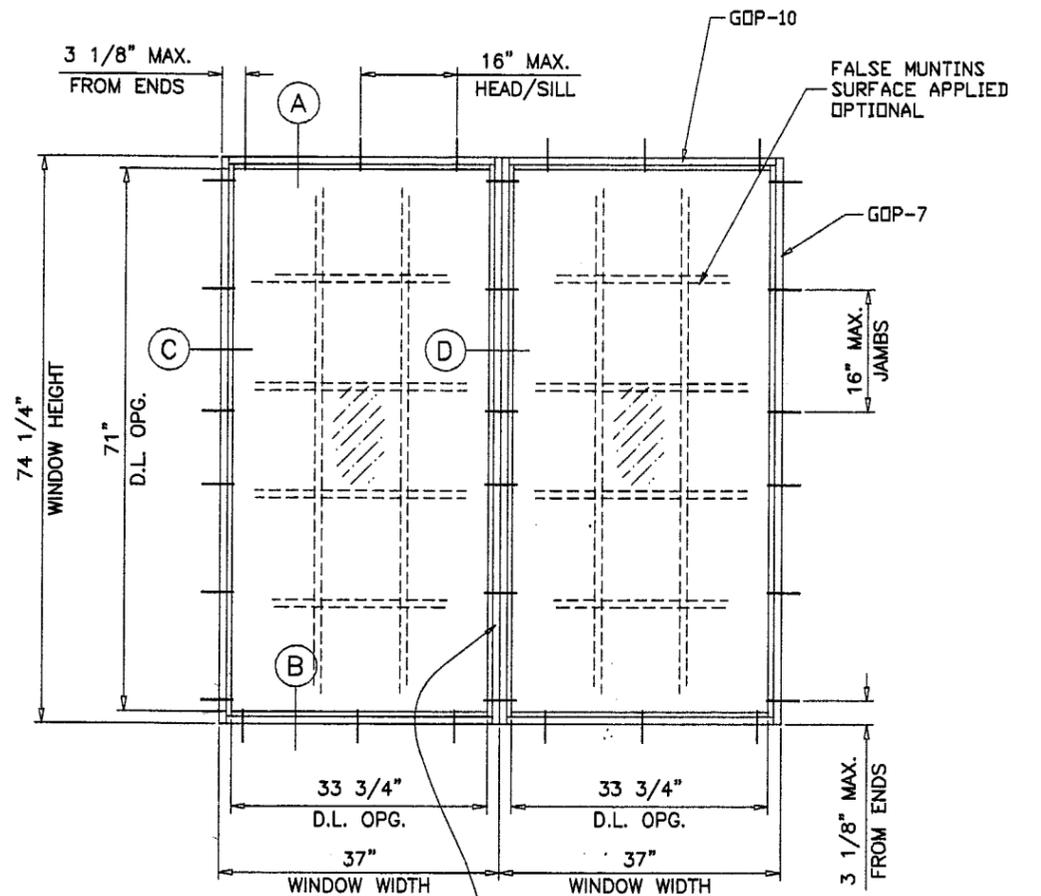
**F. OTHER**

1. Proposal **01-0455**, approved by BCCO dated 12-13-2001.

*Ishaq I. Chanda*

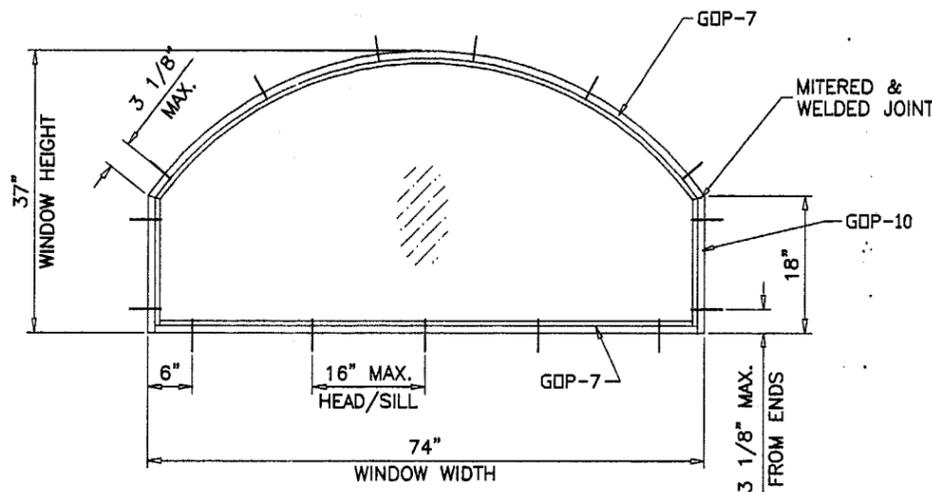
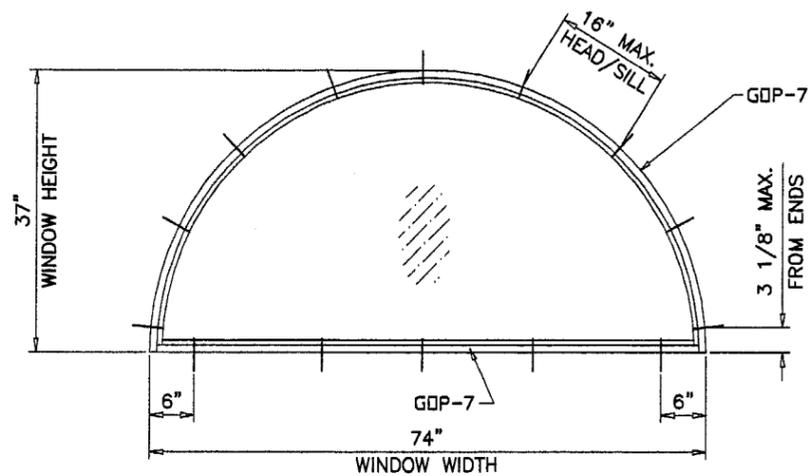
**Ishaq I. Chanda, P.E.**  
**Product Control Examiner**  
**NOA No 02-0826.03**

**Expiration Date: February 20, 2008**  
**Approval Date: February 20, 2003**

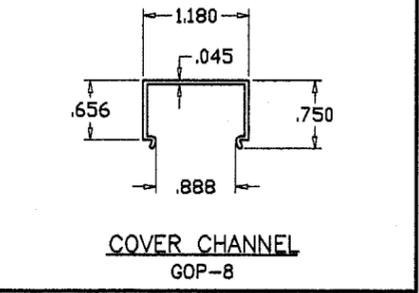
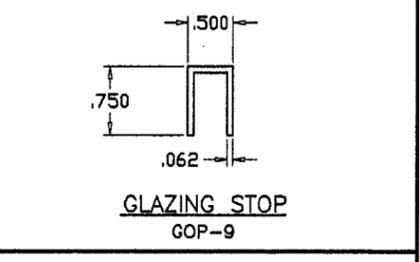
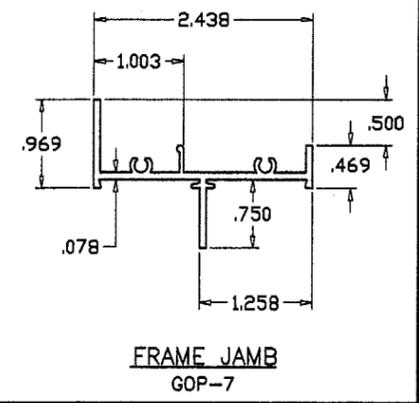
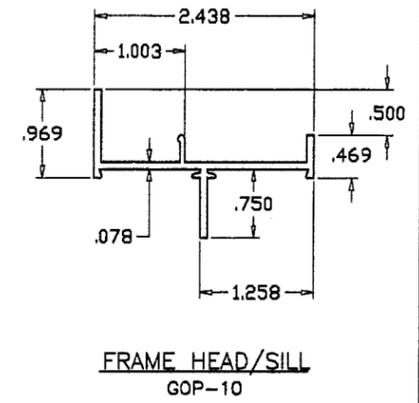


TYPICAL ELEVATION  
TESTED UNITS

USE DADE COUNTY APPROVED MULLION (UNDER SEPARATE APPROVAL)



Approved as complying with the Florida Building Code  
Date: FEBRUARY 20, 2003  
NO. 02-0526-03  
Miami Dade Product Control Division  
By: Shay L. Chanda



**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 IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE. ALSO FOR WIND LOADS AS PER ASCE 7-88, ASCE 7-93, ASCE 7-95 OR ASCE 7-98 AS REQUIRED BY PREVAILING BUILDING CODE.

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

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR 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.

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 18557  
C.A.N. 3538

JAN 29 2003

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

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

revisions:

no	date	description	REV. PER	BCCO	COMMENTS
A	01.04.03				

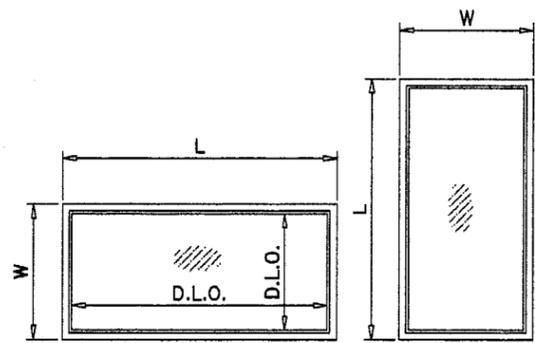
date: 05-20-02  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W02-50**

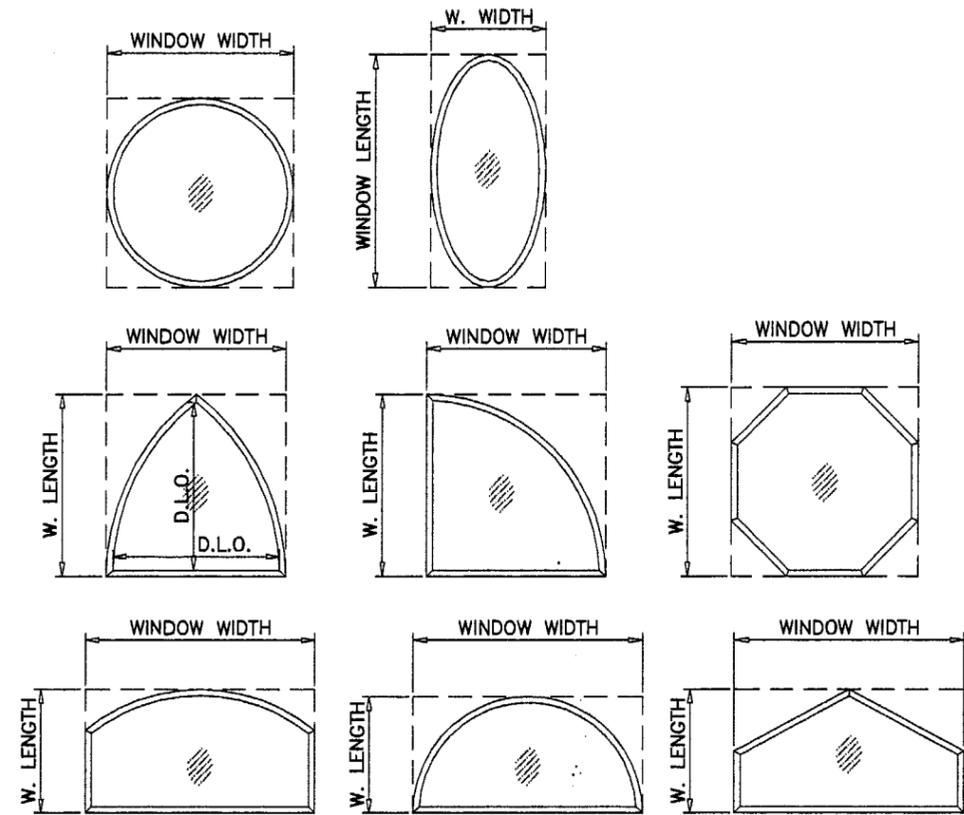
sheet 1 of 4

DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPES 'A', 'B' & 'C'	
WIDTH	LENGTH	EXT. (+)	INT. (-)
18" (2)	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" (2)	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" (2)	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" (2)	72" (6)	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
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" (2)	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" (4)		71.0	71.0
19-1/8" (2)	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" (4)		68.9	65.5
19-1/8" (2)	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	55.0
53-1/8" (4)		52.2	49.7
19-1/8" (2)	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
19-1/8" (2)	63" (5)	71.0	71.0
26-1/2" (3)		71.0	71.0
37" (3)		71.0	71.0
19-1/8" (2)	74-1/4" (6)	71.0	71.0
26-1/2" (3)		71.0	71.0
37" (3)		71.0	71.0

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

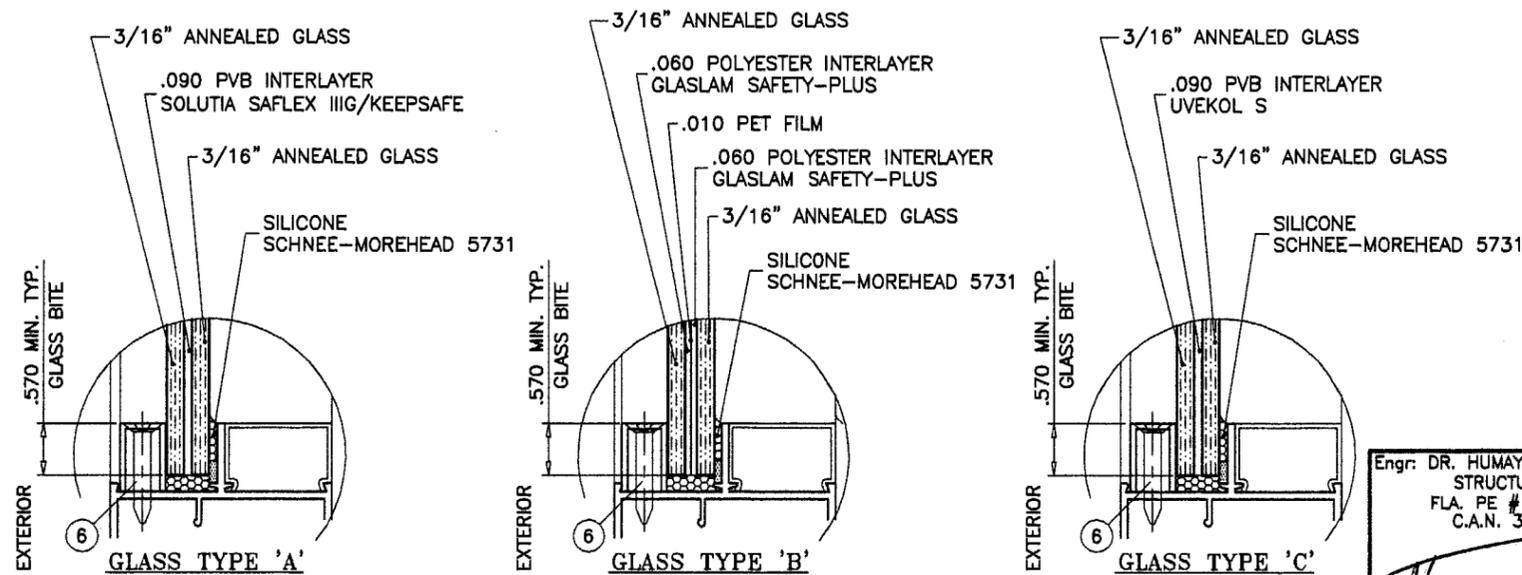


NOTE: WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.



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

Approved as complying with the Florida Building Code  
 Date FEB 20, 2003  
 NOA# 02-0826-03  
 Miami Dade Product Control Division  
 By: Ishaq J. Chaudhry

Engr. DR. HUMAYOON FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538  
 JAN 29 2003

**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

---

**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

---

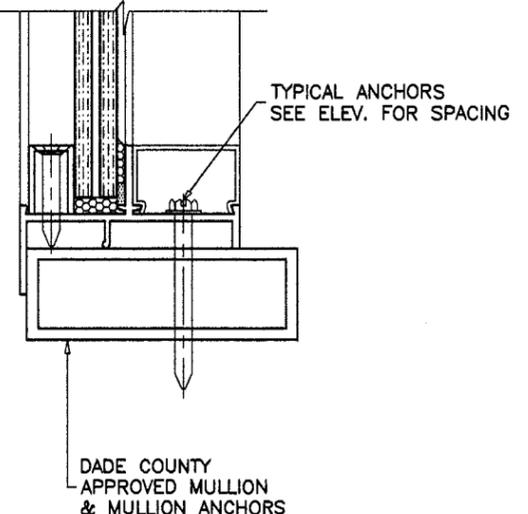
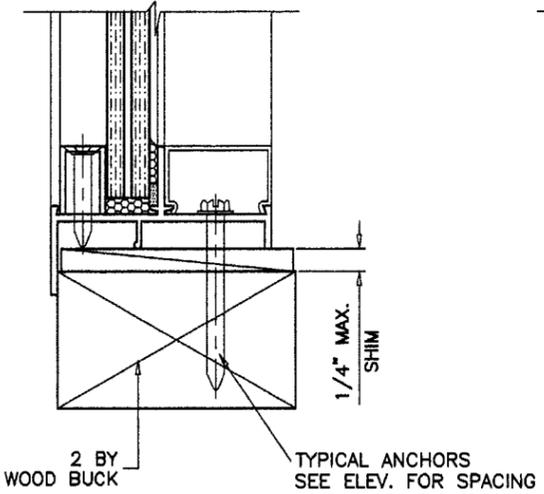
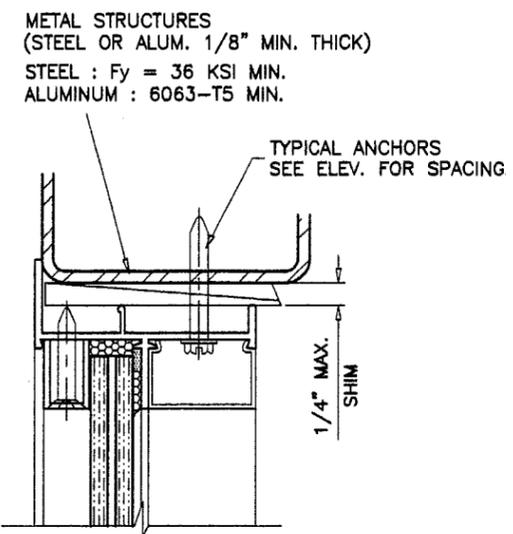
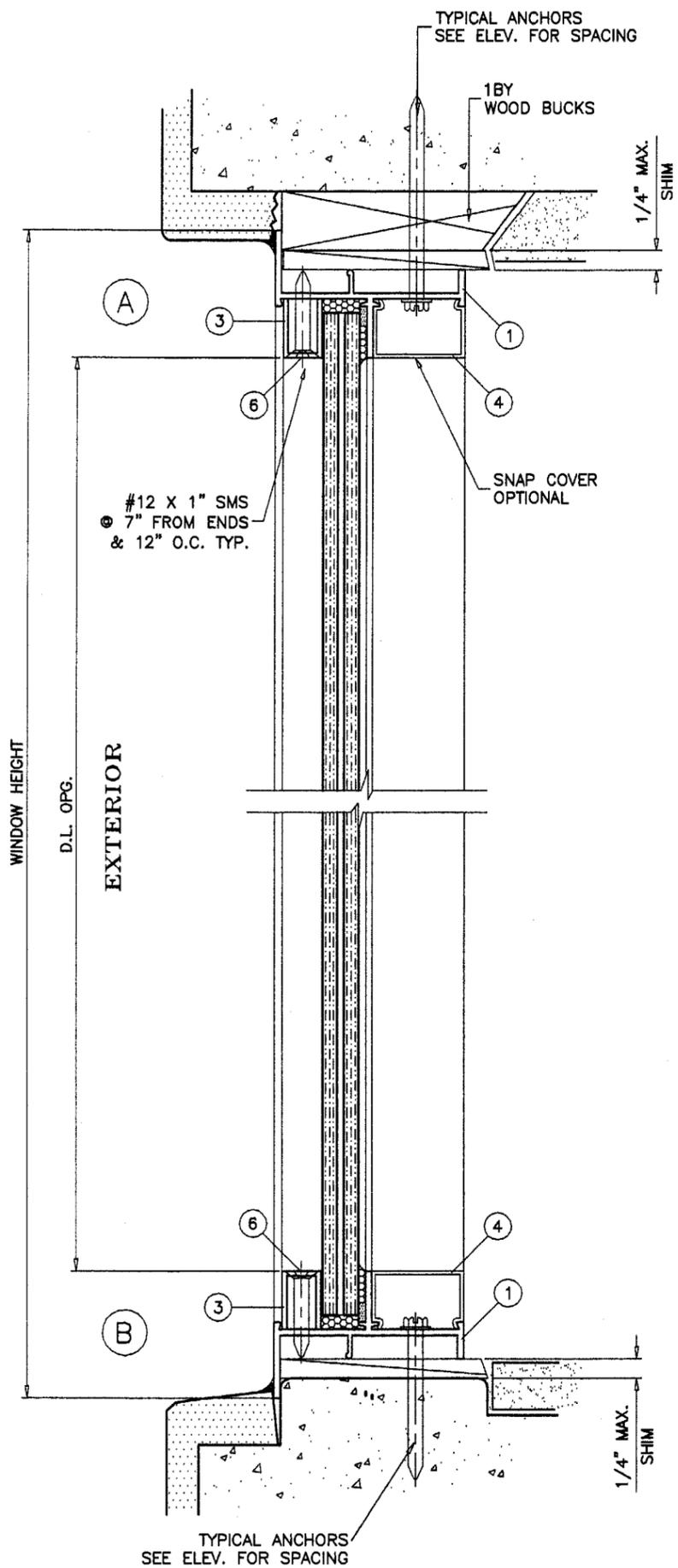
no.	date	description	by
A	01.04.03	REV. PER BCCO COMMENTS	

---

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

---

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

**3/16" 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.

**3/16" DRILLFLEX OR EQUIV. SELF DRILLING SCREWS (GRADE 5)**  
 INTO METAL STRUCTURES (1/8" MIN. THICKNESS)

**#10 X 3/4" SMS (MIN. GRADE 2 CRS)**  
 INTO APPROVED MULLIONS (NO SHIM SPACE)

**SEALANTS:**  
 FRAME CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH SEALANT.

Approved as complying with the Florida Building Code  
 Date FEB 20, 2003  
 NOAH 02-0826-03  
 Miami Dade Product Control  
 Division  
 By *Shaq. Chaudh*

Engr: DR. HUMAYOON FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538  
 JAN 20 2003

*afc*

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

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

revisions:		no	date	by	description
A	01.04.03				REV. PER BCCO COMMENTS

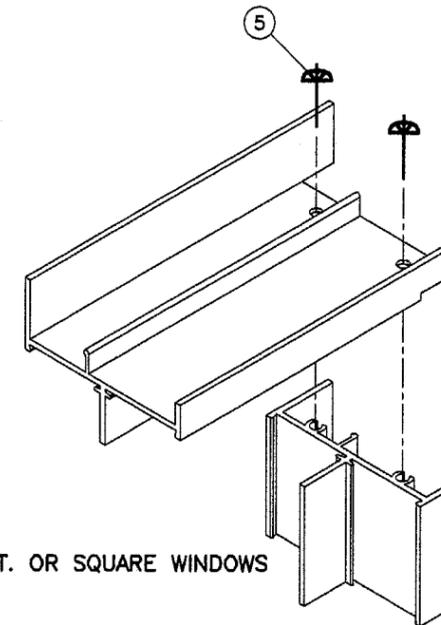
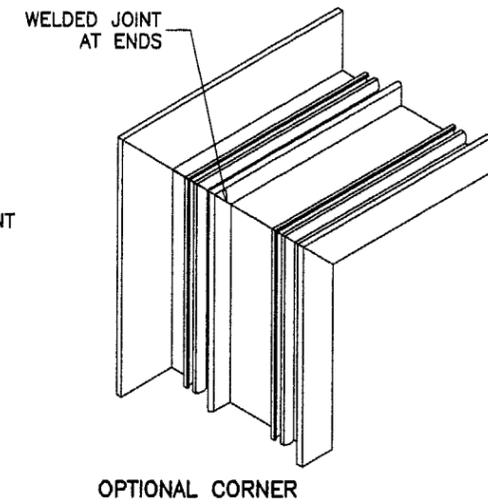
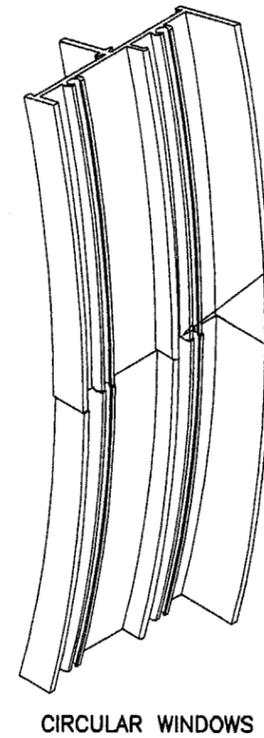
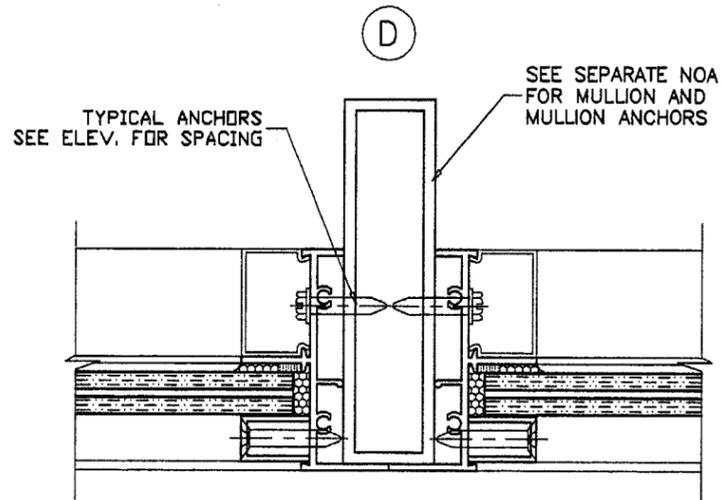
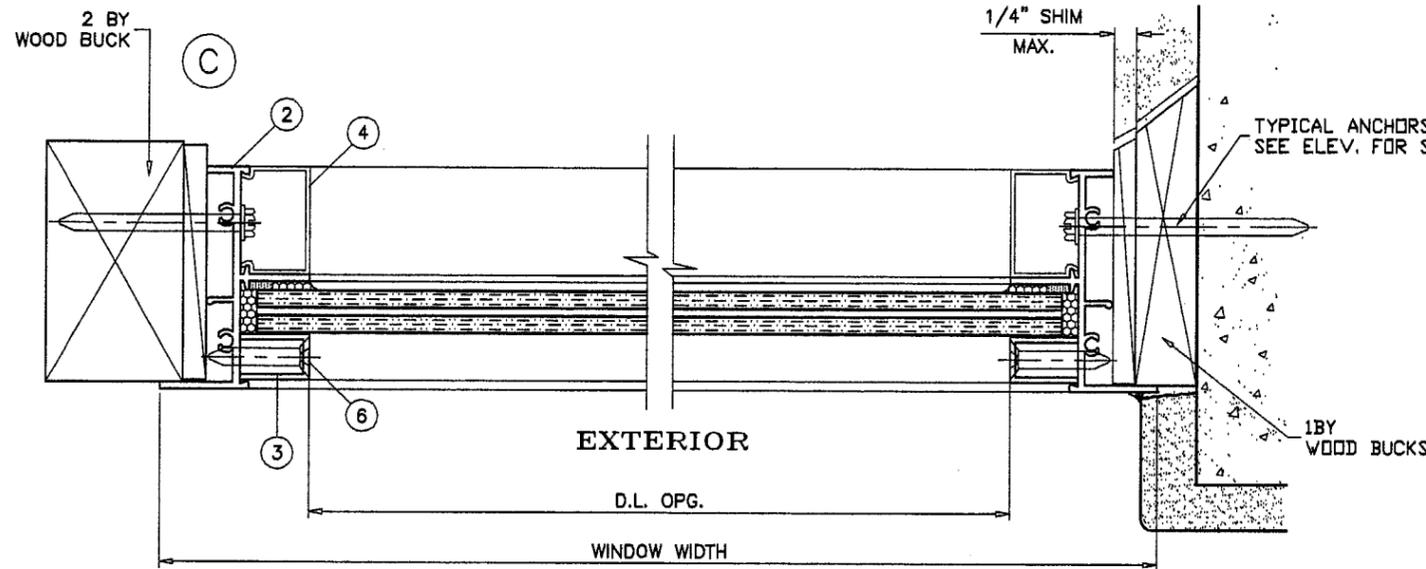
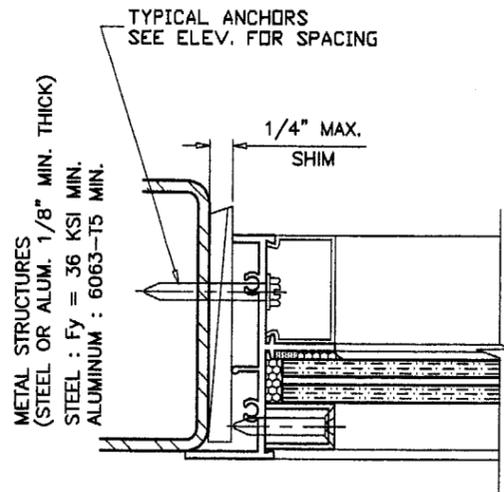
  

date: 05-20-02	scale: 1/2" = 1"
dr. by: HAMID	chk. by:

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



Approved as complying with the Florida Building Code  
 Date: FEBRUARY 20, 2003  
 NOA# 02-0823.03  
 Miami Dade Product Control Division  
 By: L. Shary I. Chanda

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

JAN 29 2003

**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	by	description
A	01.04.03		NO CHANGE THIS SHEET

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

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

COMP-ANL \ W02-50GGC