



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "510" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W02-50**, titled "Series – 510 Alum. Fixed Window (Impact)", sheets 1 through 4 of 4, dated 05/20/02 with revision "C" dated 10/16/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, 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" or the Product Control Seal, 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. 07-1029.07** 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 **Jaime D. Gascon, P. E.**



J. Gascon
 3/10/10

NOA No. 10-0107.07
Expiration Date: February 20, 2013
Approval Date: April 7, 2010
Page 1

Gopi Glass Sales & Services Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W02-50**, titled "Series-510 Alum. Fixed Window (Impact)", sheets 1 through 4 of 4, dated 05/20/02 and revision "**C**" dated 10/16/09, prepared by Al-Farooq Corporation, signed and sealed by Arshad Viqar, 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
along with marked-up drawings and installation diagram of a series 510 aluminum fixed window, prepared by Hurricane Engineering and Testing Lab, Inc., Test Report No. **HETI-02-1211**, dated March 04, 2002 signed and sealed by Hector M. Medina, P. E.
(Submitted under previous NOA No. 02-0826.03)
2. Test reports on: 1) Large Missile Impact Test, SFBC PA 201-94
2) 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 and Testing Lab, Inc., Test Report No. **HETI-02-1145A** dated March 05, 2002 signed and sealed by Hector M. Medina, P. E.
(Submitted under previous NOA No. 02-0826.03)
3. Test reports on: 1) Large Missile Impact Test, SFBC PA 201-94
2) 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 and Testing Lab, Inc., Test Report No. **HETI-02-1145B** dated April 30, 2002 signed and sealed by Hector M. Medina, P. E.
(Submitted under previous NOA No. 02-0826.03)
4. Test reports on: 1) Large Missile Impact Test, SFBC PA 201-94
2) 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 and Testing Lab, Inc., Test Report No. **HETI-02-1145C** dated March 05, 2002 signed and sealed by Hector M. Medina, P. E.
(Submitted under previous NOA No. 02-0826.03)



Jaime D. Gascon, P. E.
Chief, Product Control Division
NOA No. 10-0107.07
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C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 10/05/09, signed and sealed by Arshad Viqar, P. E.
Complies with ASTM E1300-02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

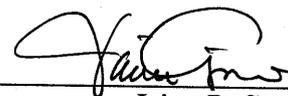
1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III Clear or colored Interlayer**" dated 05/04/06, expiring on 05/21/11.
2. Notice of Acceptance No. **09-0310.02** issued to Cytec Industries, Inc. for their "**Uvekol S Laminated Glass Interlayer**", dated 04/02/09, expiring on 02/08/10.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated October 05, 2009, signed and sealed by Arshad Viqar, P. E.
2. Laboratory compliance letters for Test Reports No.'s **HETI-02-1211**, **HETI-02-1145A**, **HETI-02-1145B** and **HETI-02-1145C**, issued by Hurricane Engineering and Testing Lab, Inc., dated March 05 and April 30, 2002, all signed and sealed by Hector M. Medina, P. E.
(Submitted under previous NOA No. 02-0826.03)

G. OTHERS

1. Notice of Acceptance No. **07-1029.07**, issued to Gopi Glass Sales & Service Corporation for their Series "Series 510 Aluminum Fixed Window-Impact", approved on 02/28/08 and expiring on 02/20/13.

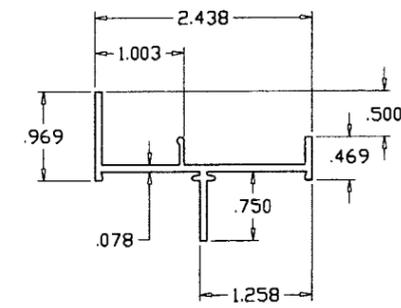
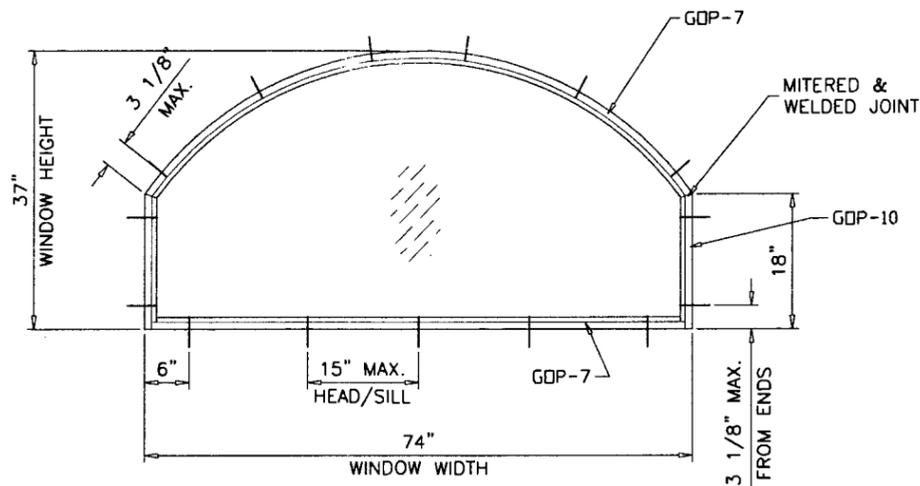
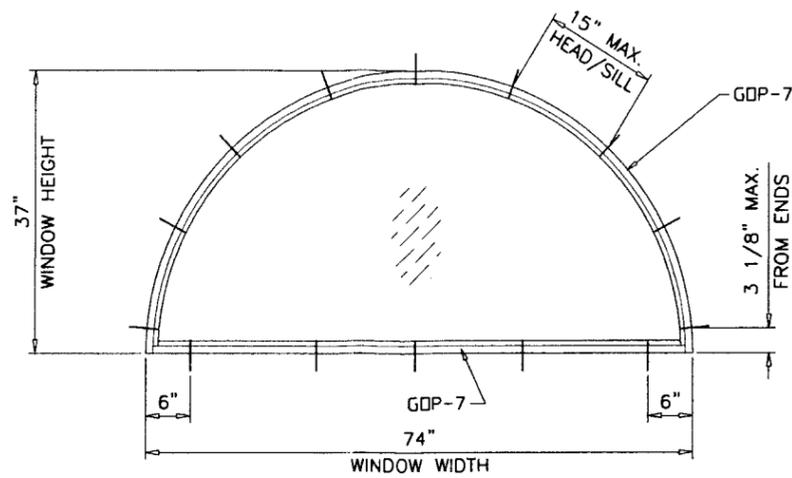
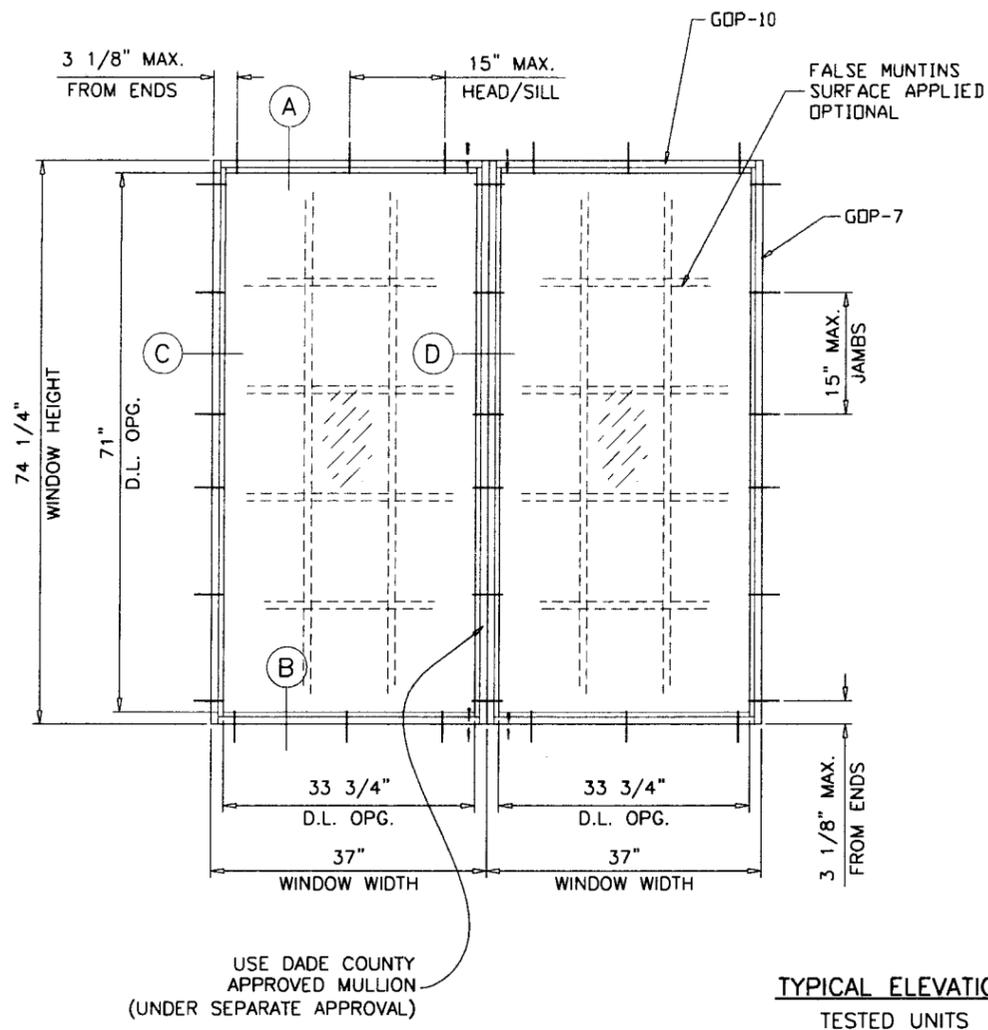


Jaime D. Gascon, P. E.
Chief, Product Control Division

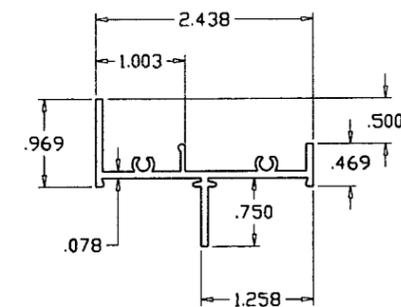
NOA No. 10-0107.07

Expiration Date: February 20, 2013

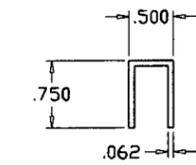
Approval Date: April 7, 2010



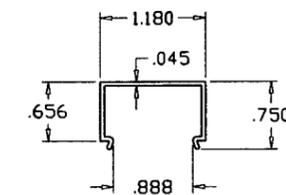
FRAME HEAD/SILL
GOP-10



FRAME JAMB
GOP-7



GLAZING STOP
GOP-9



COVER CHANNEL
GOP-8

SERIES-510 ALUMINUM FIXED WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHART SHOWN ABOVE.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIX./FIX. OR FIXED WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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 LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

Engr. ARSHAD VIQAR
CIVIL
FLA. PE # 38863
C.A.N. 3538

Arshad

NOV 13 2009

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 10-010707
Expiration Date 02/20/2013
By *[Signature]*
Miami Dade Product Control
Division

afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP - ANL \ W02 - 50GGC

SERIES-510 ALUMINUM FIXED WINDOW (L.M.I.)
GOPI GLASS CORPORATION
7450 N.W. 41 STREET
MIAMI, FL. 33166
TEL. (305) 592-2009 FAX. (305) 477-0992

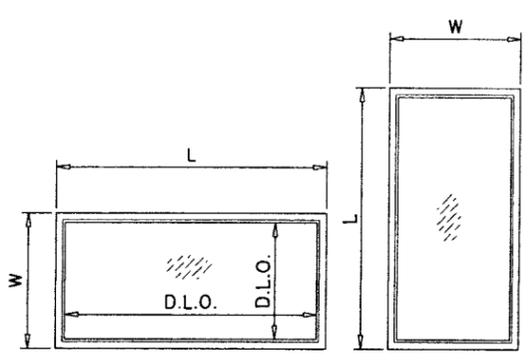
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B	09.12.05	UPDATED FOR 2004 FBC
C	10.16.09	UPDATED FOR 2007 FBC

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

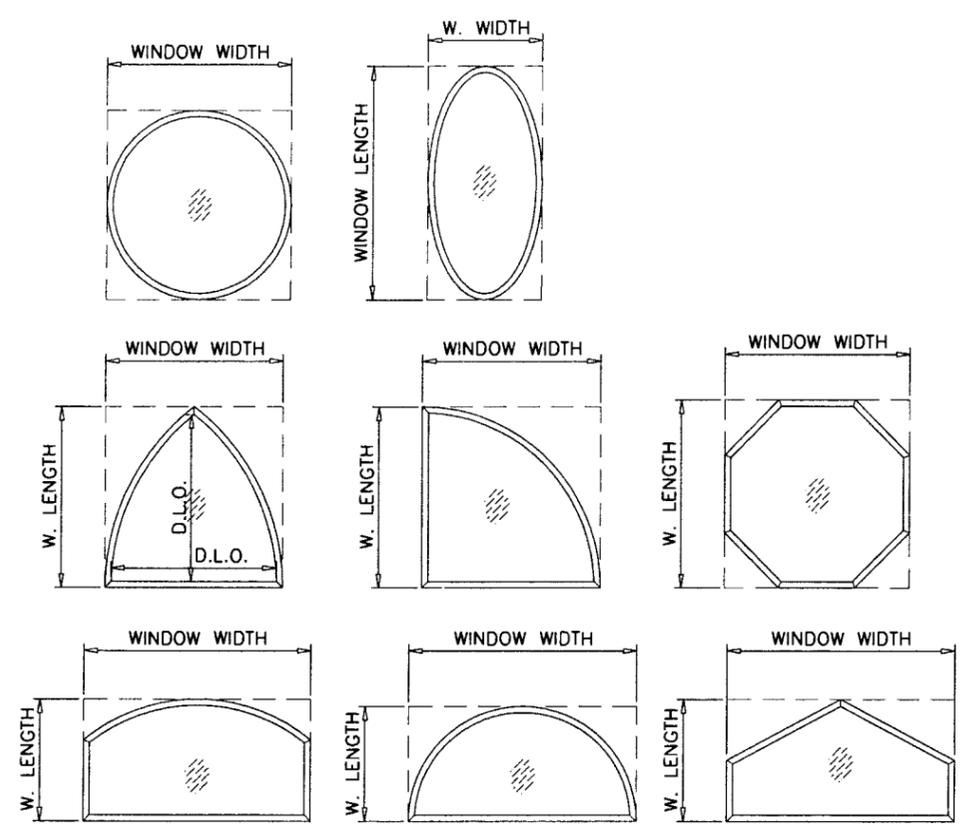
drawing no.
W02-50
sheet 1 of 4

DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPES 'A' & '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
42" (4)		63.0	63.0
18" (3)	84" (6)	71.0	71.0
24" (3)		71.0	71.0
30" (3)		71.0	71.0
18" (3)	96" (7)	71.0	71.0
24" (3)		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)	38-3/8" (4)	71.0	71.0
19-1/8" (3)		71.0	71.0
26-1/2" (3)		71.0	71.0
37" (3)		71.0	71.0
48" (4)	50-5/8" (4)	55.1	55.1
53-1/8" (5)		52.2	52.2
19-1/8" (3)		71.0	71.0
26-1/2" (3)		71.0	71.0
37" (3)	57" (5)	71.0	71.0
48" (4)		55.1	55.1
19-1/8" (3)		71.0	71.0
26-1/2" (3)	63" (5)	71.0	71.0
37" (3)		71.0	71.0
19-1/8" (3)		71.0	71.0
26-1/2" (3)	74-1/4" (6)	71.0	71.0
37" (3)		71.0	71.0

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

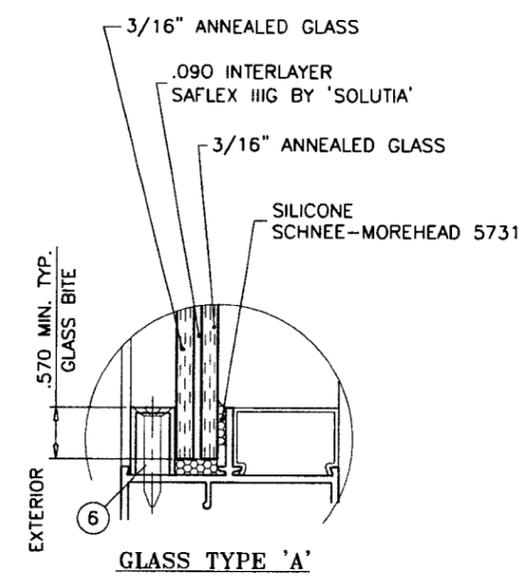


NOTE: WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

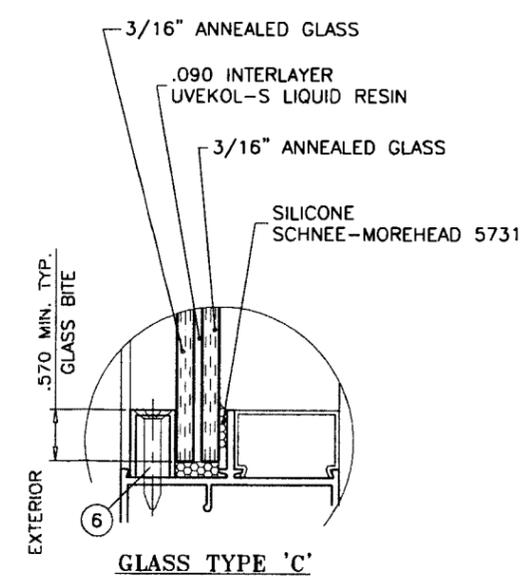


ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

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



GLASS TYPE 'A'



GLASS TYPE 'C'

GLAZING OPTIONS

NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02/04 (3 SEC. GUSTS).

Engr: ARSHAD VIQAR
CIVIL
FLA. PE # 38863
C.A.N. 3538
NOV 13 2009

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 10-010707
Expiration Date 02/20/2013
By *[Signature]*
Miami Dade Product Control Division

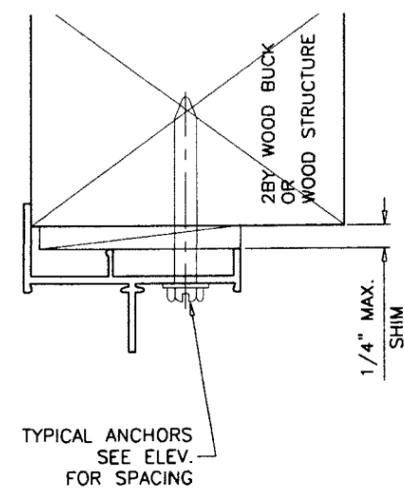
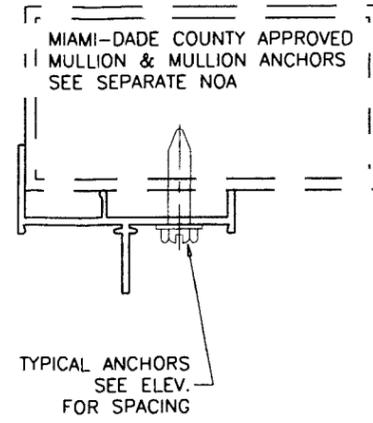
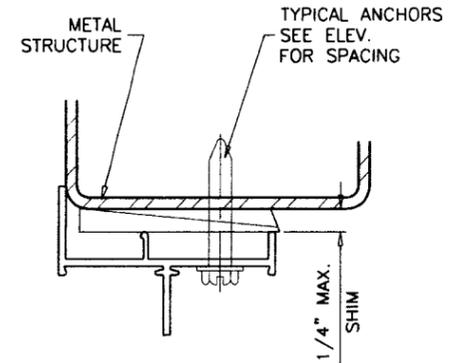
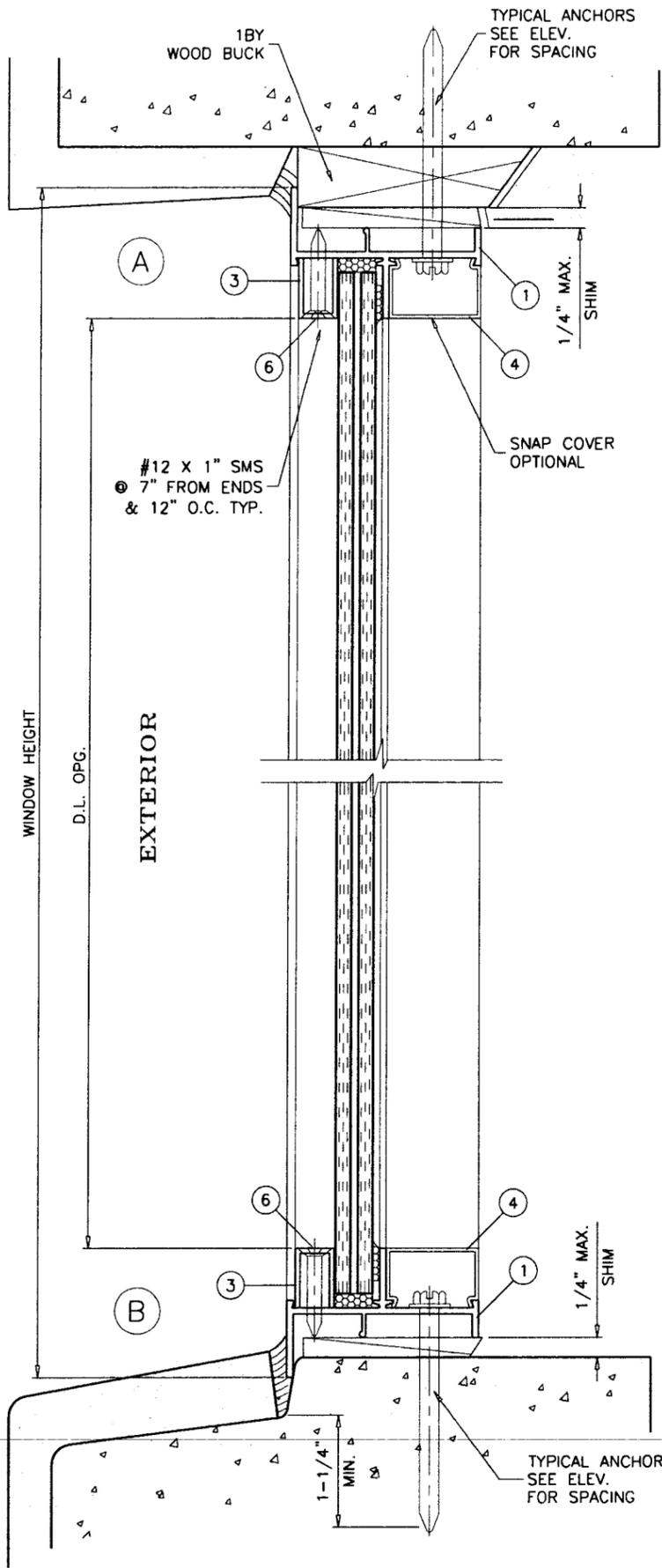
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AL-FAROOQ CORPORATION
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TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W02-50GCG

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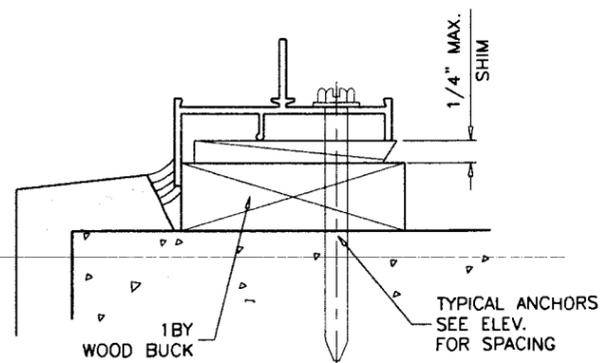
no.	date	description
A	01.04.03	REV. PER BCCO COMMENTS
B	09.12.05	CHARIS REV.
C	10.16.09	UPDATED FOR 2007 FBC

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

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



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



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO METAL STRUCTURES

STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#12 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
 (NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SILICONE SEALANT.

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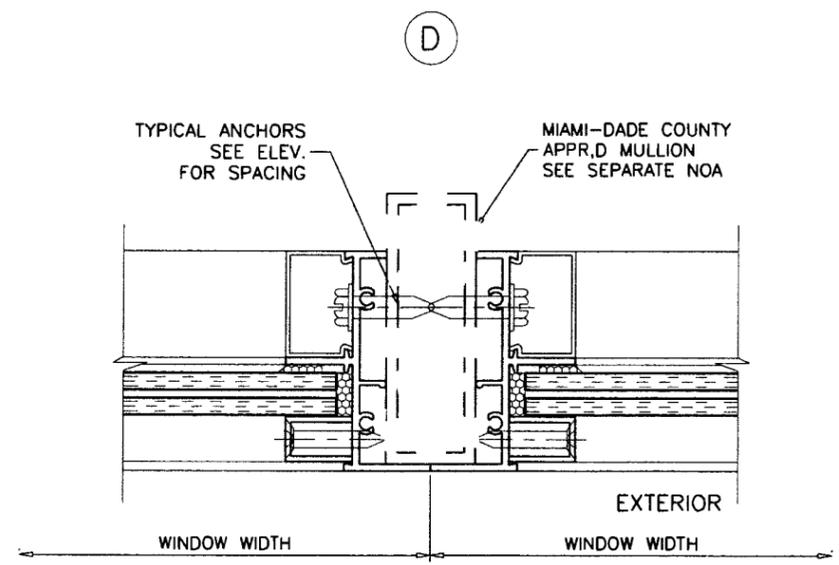
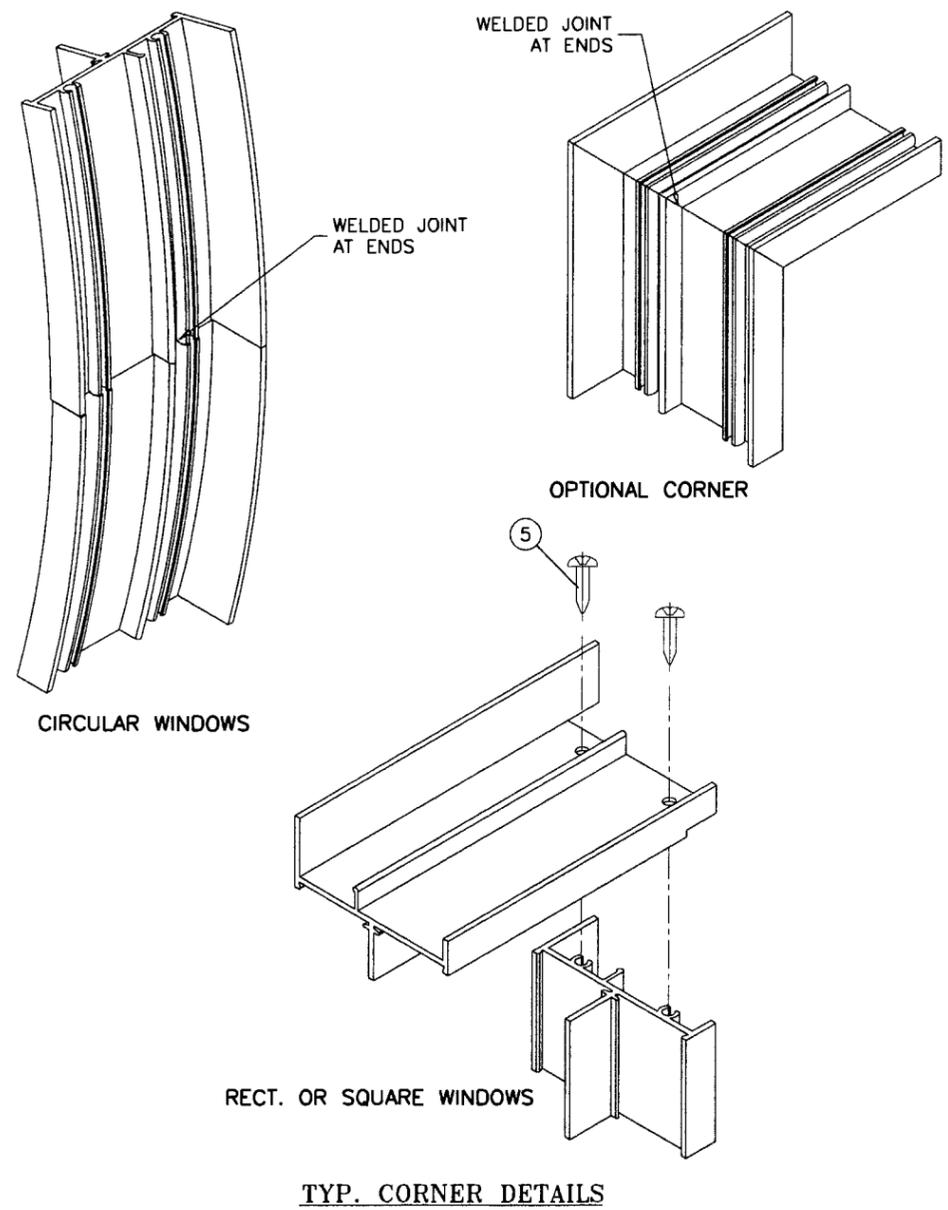
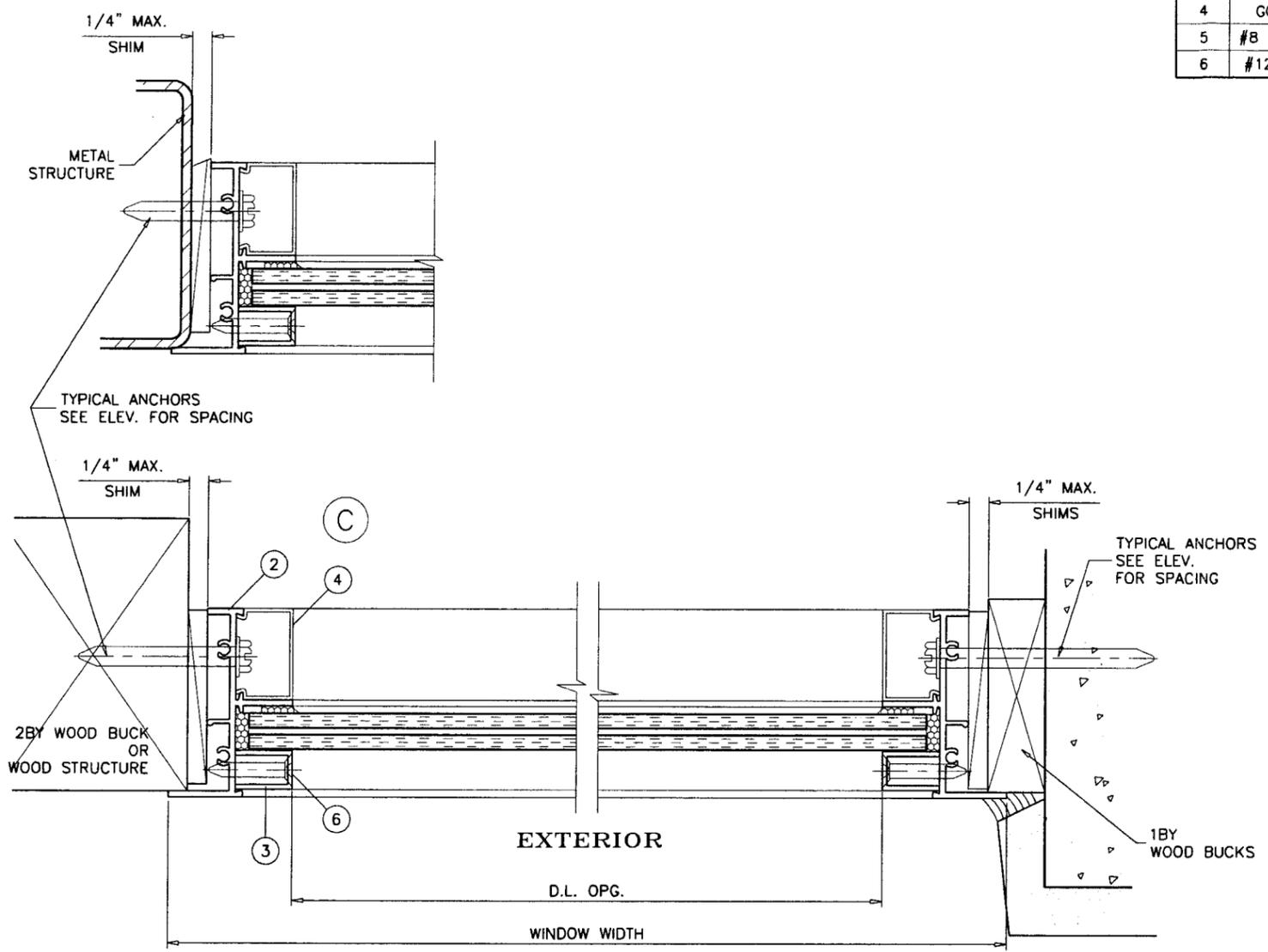
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no	date	by	description
A	01.04.03		REV. PER BCCO COMMENTS
B	09.12.05		ANCHORS REV.
C	10.16.09		UPDATED FOR 2007 FBC

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



Engr: ARSHAD VIGAR
 CIVIL
 FLA. PE # 38863
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Arshad Vigar

NOV 13 2009

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By *[Signature]*
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NO	DATE	DESCRIPTION
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date: 05-20-02
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drawing no.
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 sheet 4 of 4