



**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 Corp.
7450 NW 41st 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 4500 Aluminum Flush Glazed Storefront System

APPROVAL DOCUMENT: Drawing No. **97-38**, titled "Series-4500 Alum. Storefront System", sheets 1 through 7 of 7, dated 10/15/97, with revision C dated 11/20/01, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

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 **renews NOA # 02-0513.01** and consists of this page 1 and evidence page, as well as approval document mentioned above.

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



**NOA No 03-0801.02
Expiration Date: December 4, 2008
Approval Date: September 25, 2003
Page 1**

Gopi Glass Sales & Services Corp.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **97-38**, titled "Series-4500 Alum Storefront System", sheets 1 through 7 of 7, dated 10/15/97, with revision C dated 11/20/01, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

Tests done under previous approval (97-1015.08)

1. Test reports on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94

along with installation diagram of 1-3/4" x 4" and 1-3/4" x 4-1/2" aluminum flush glazed storefront systems, 10' 0" high x 3'11" mullion spacing, with and without steel reinforcement, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-96-1065**, dated 08/02/96, revised on 12/31/96, signed and sealed by Hector M Medina, P.E.

C. CALCULATIONS

Calculations submitted under approval No. 97-1015.08:

1. Anchor Calculations and Structural Analysis, prepared by Al Farooq Corporation. dated 01/30/97, signed and sealed by Humayoun Farooq, P.E.
2. Complies with ASTM E1300-98.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. None

F. STATEMENTS

1. Letter from Gopi Glass Sales & Services Corp., stating that product has not changed since it was last approved, dated on July 13, 2000, signed by Onelio Gomez, President.

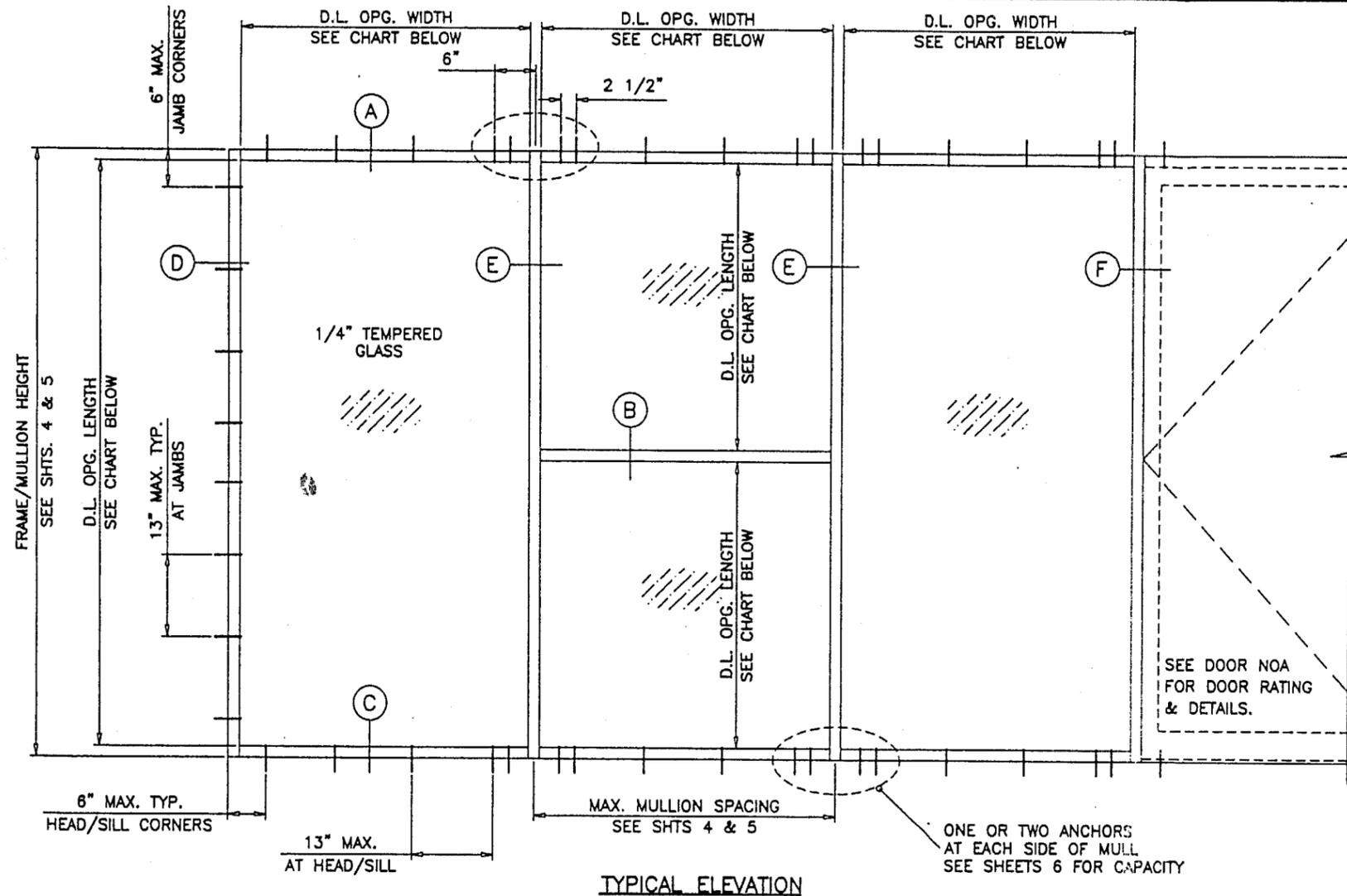
G. OTHER

1. Notice of Acceptance No. **02-0513.01** issued to Gopi Glass Sales & Services Corp, for their Series 4500 Aluminum Flush Glazed Storefront System, approved on 11/22/00 and expiring on 12/4/03.

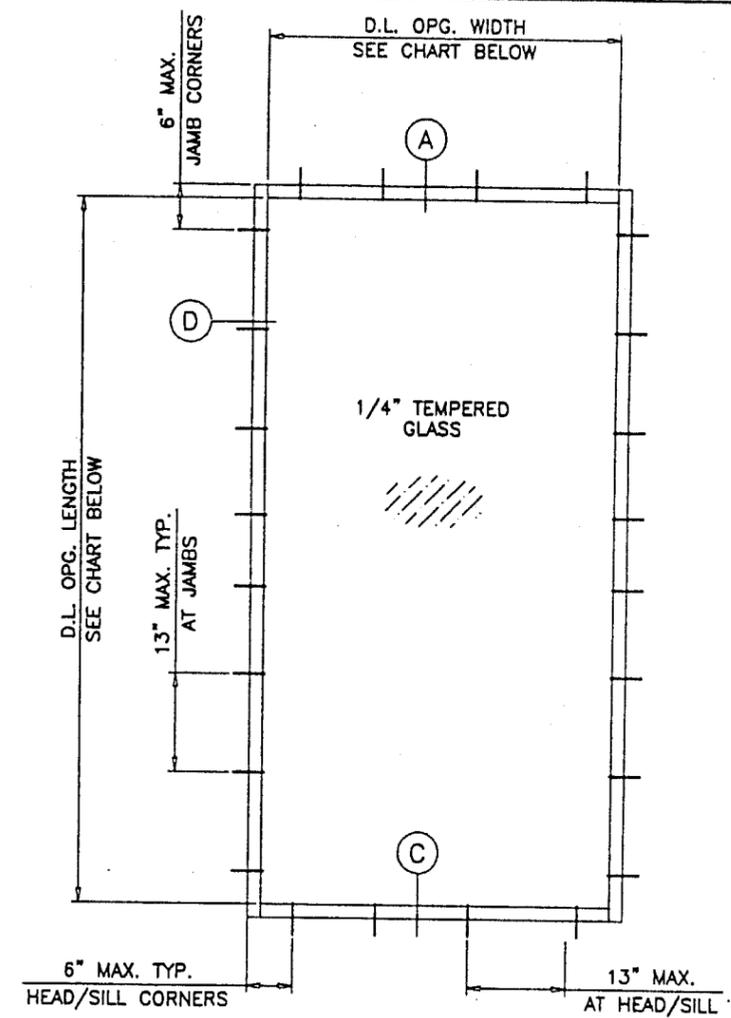


Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0801.02

Expiration Date: December 4, 2008
Approval Date: September 25, 2003



TYPICAL ELEVATION



FOR 'O' PANELS LIMIT LOADS TO CHART BELOW.

SERIES 4500 ALUMINUM STOREFRONT SYSTEM

DOORS: THIS SYSTEM MAY BE USED IN CONJUNCTION WITH MIAMI DADE COUNTY APPROVED ENTRANCE DOORS.

GLASS: SEE CHART AT RIGHT TO VERIFY CAPACITY OF GLASS PANELS. CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

MULLIONS: SEE SHEETS 4 AND 5 TO DETERMINE DESIGN LOAD CAPACITY OF MULLIONS FOR VARIOUS CONFIGURATIONS AND REINFORCEMENT.

ANCHORS: SEE SHEETS 6 TO DETERMINE THE CAPACITY OF ANCHOR OPTIONS.

NOTES:

- 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 USING CORRESPONDING LOADS.
- 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.
- ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

1/4" GLASS LOAD CAPACITY - PSF															
D.L. OPNG. LENGTH	D.L. OPNG. WIDTH (W)														
	33"	36"	39"	42"	45"	48"	51"	54"	57"	60"	63"	66"	69"	72"	75"
72"	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	108.0	104.8	100.8
78"	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	107.6	104.0	100.8	97.2	93.6
84"	110.0	110.0	110.0	109.2	110.0	110.0	109.6	107.2	108.0	104.4	100.8	97.6	94.0	90.4	88.0
90"	110.0	110.0	109.6	102.8	98.0	104.8	102.4	100.4	97.6	95.6	94.8	91.2	88.4	85.6	82.8
96"	110.0	110.0	102.4	96.8	92.0	90.0	96.0	93.6	91.6	89.6	87.2	86.4	83.6	80.8	78.0
102"	110.0	105.2	95.6	91.2	88.0	85.2	82.8	88.0	86.4	84.4	82.4	80.4	79.2	76.8	74.8
108"	110.0	102.0	90.4	84.0	83.2	80.4	78.4	76.4	81.6	79.6	78.0	76.0	74.0	72.4	71.2
114"	110.0	97.6	86.4	80.8	75.6	76.4	74.4	72.4	71.2	75.6	73.6	72.0	70.4	68.8	67.2
120"	110.0	94.8	84.8	77.2	72.4	68.4	70.4	68.8	67.6	66.4	70.0	68.4	66.8	65.2	64.0

NOTE: GLASS PANELS LENGTH AND WIDTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY.

THIS SYSTEM IS NOT RATED FOR IMPACT. MIAMI DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED.

PRODUCT RENEWED as complying with the Florida Building Code
 Acceptance No. 03-0801.02
 Expiration Date DEC. 4, 2008
 By: *Manuel Perez*
 Miami Dade Product Control Division

Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 MAY 02 2002

Approved as complying with the Florida Building Code
 Date DEC. 26, 2002
 NOAH 02-0513.01
 Miami Dade Product Control Division
 By: *Manuel Perez*

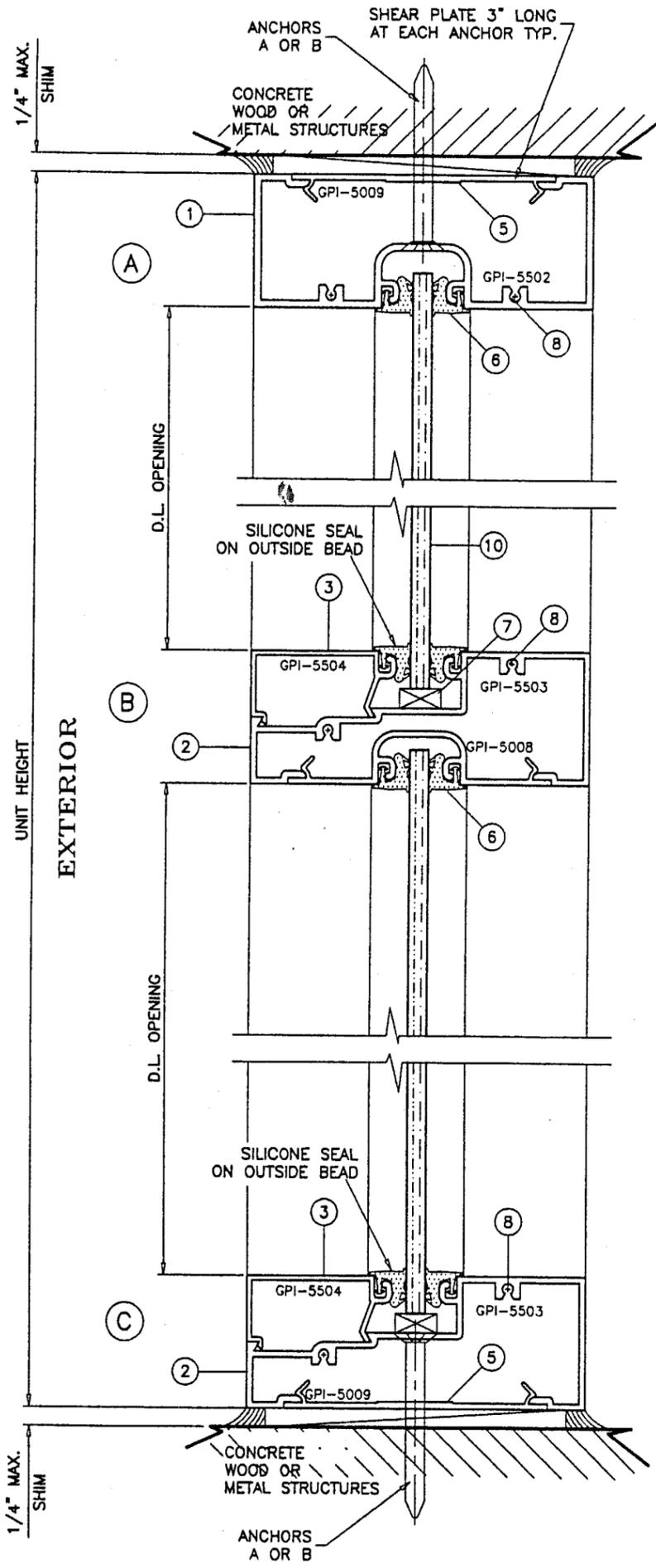
AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE 97-38GCC-NEW

GOPI GLASS CORPORATION
 4400 N.W. 74th AVE.
 MIAMI, FL. 33166
 TEL. (-) FAX. (-)

revisions:
 no. date by description
 B 12.04.97 H SILICONE SEAL ADDED
 C 11.20.01 H GENERAL REVISION

date: 10-15-97
 scale: 1/2" = 1'-0"
 dr. by: HAMID
 chk. by:

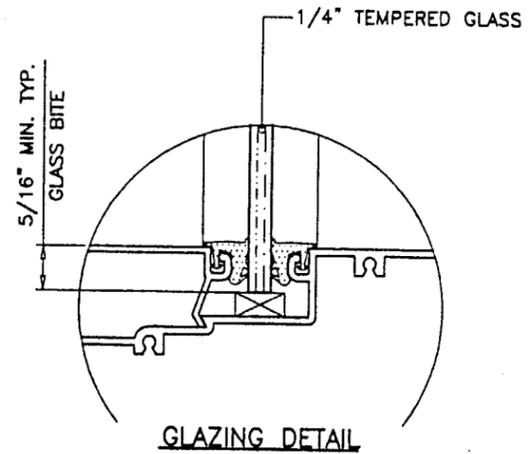
drawing no. 97-38
 sheet 1 of 7



ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GPI-5502	AS REQD.	OPEN BACK HEAD/JAMB/MULL	6063-T5	-
2	GPI-5503	AS REQD.	FRAME SILL	6063-T5	-
3	GPI-5504	AS REQD.	GLASS STOP	6063-T5	-
4	GPI-5008	AS REQD.	POCKET FILLER	6063-T5	-
5	GPI-5009	AS REQD.	FLAT FILLER	6063-T5	-
6	NEOPRENE	AS REQD.	GLAZING GASKET	NEOPRENE	-
7		AS REQD.	SETTING BLOCK	-	-
8	#10 SMS	2/ CORNER	FRAME ASSEMBLY SCREWS	-	-
9		AS REQD.	REINFORCING CHANNEL	STEEL	5/8" X 4-1/4" X 5/8" X 1/8" TH.
10			1/4" TEMPERED GLASS	-	-

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

- TYPICAL ANCHORS:** SEE ELEV. FOR SPACING
- A) **1/4" TAPCONS**
 INTO WOOD STRUCTURES
 1-3/4" MIN. PENETRATION INTO WOOD
 THRU WOOD BUCKS INTO MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 - B) **1/4" TAPCONS**
 DIRECTLY INTO MASONRY
 1-1/2" MIN. EMBED INTO CONC. OR MASONRY
 - B) **#14 SMS OR 1/4" SELF DRILLING SCREWS**
 INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICKNESS)
 STEEL : Fy = 36 KSI MIN.
 ALUMINUM : 6063-T5 MIN.
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)



Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557

11 MAY 02 2002

Approved as complying with the Florida Building Code
 Date DEC. 26, 2002
 NOA# 02-0513.01
 Miami Dade Product Control
 Division
 By Manuel Torres

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE 97-38GGC-NEW

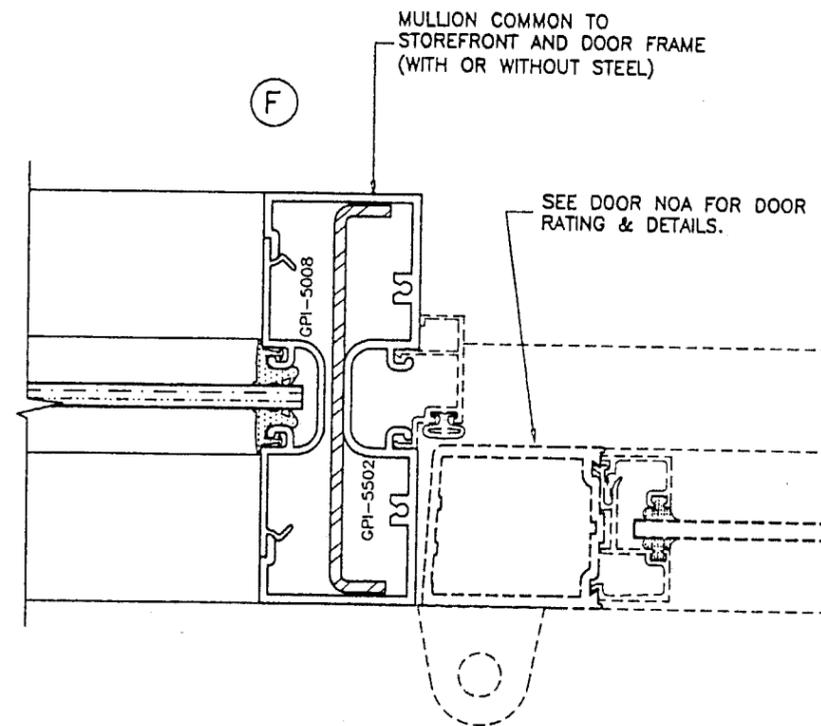
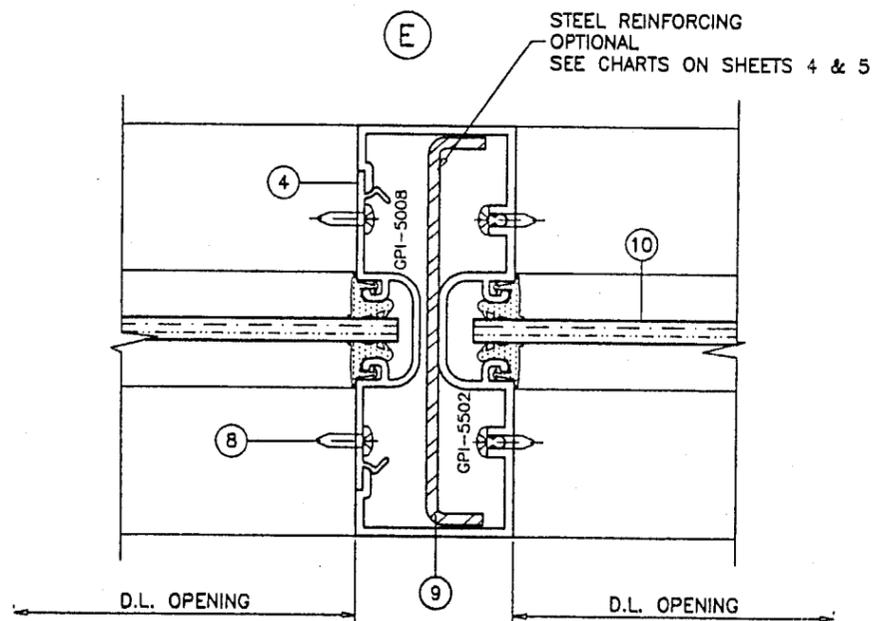
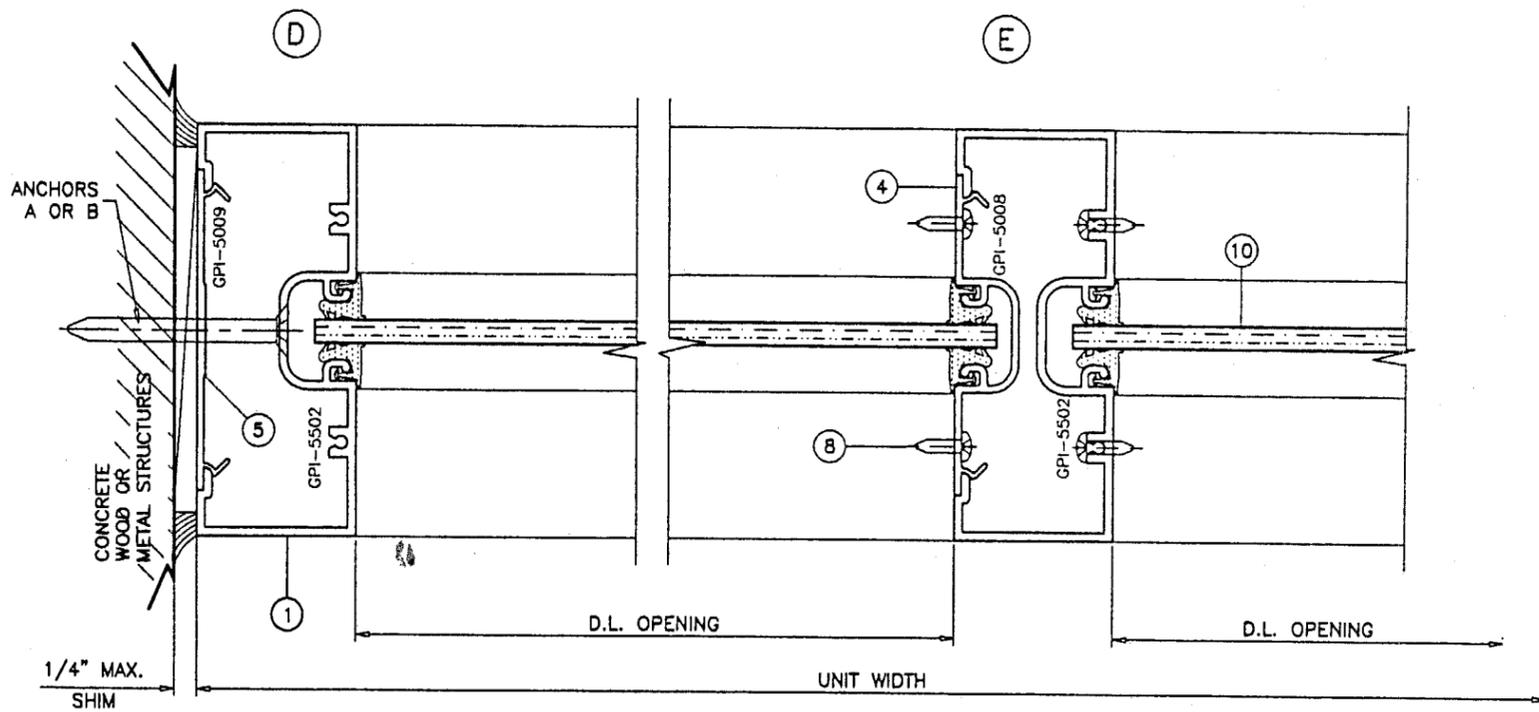
SERIES-4500 ALUM STOREFRONT SYSTEM

GOPI GLASS CORPORATION
 4400 N.W. 74th AVE.
 MIAMI, FL. 33166
 TEL. (-) FAX. (-)

no	date	description

date: 10-15-97
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
97-38
 sheet 2 of 7



PRODUCT RENEWED
 as complying with the Florida
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 Acceptance No. 03-0801.02
 Expiration Date DEC. 4, 2008
 By Manuel Perez
 Miami Dade Product Control
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afc

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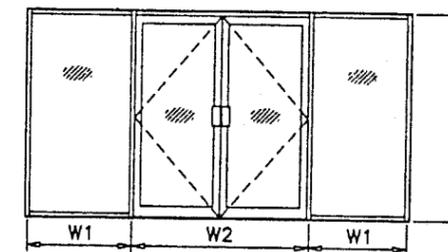
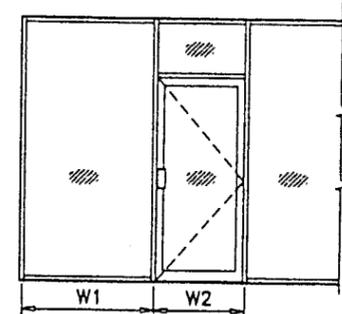
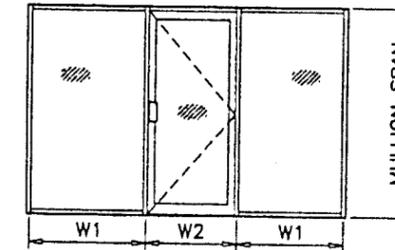
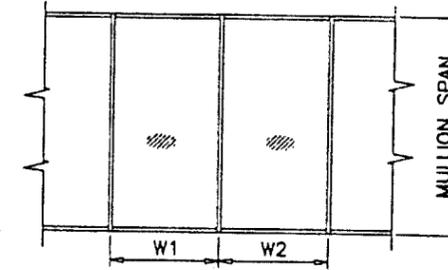
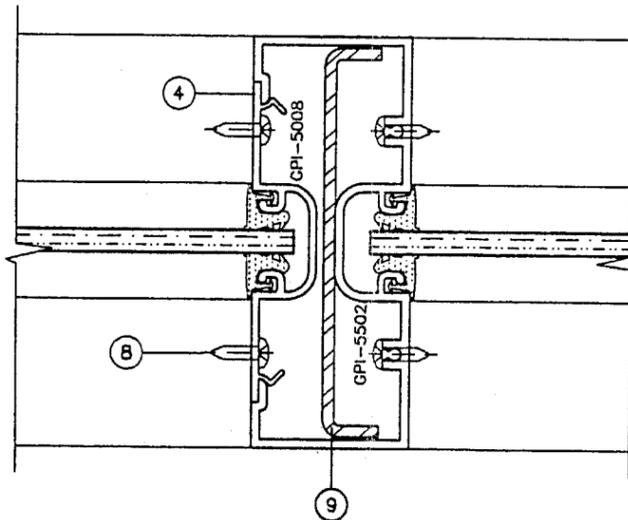
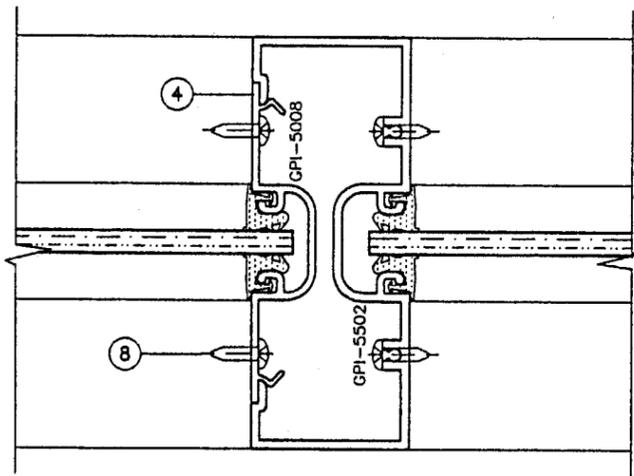
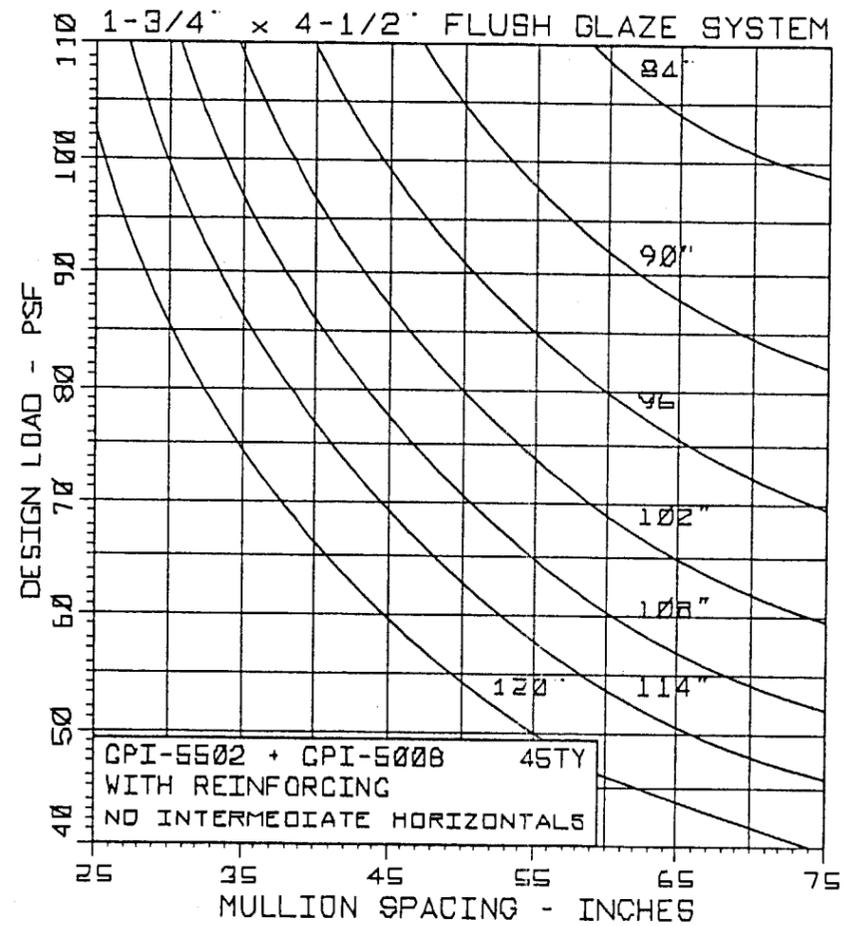
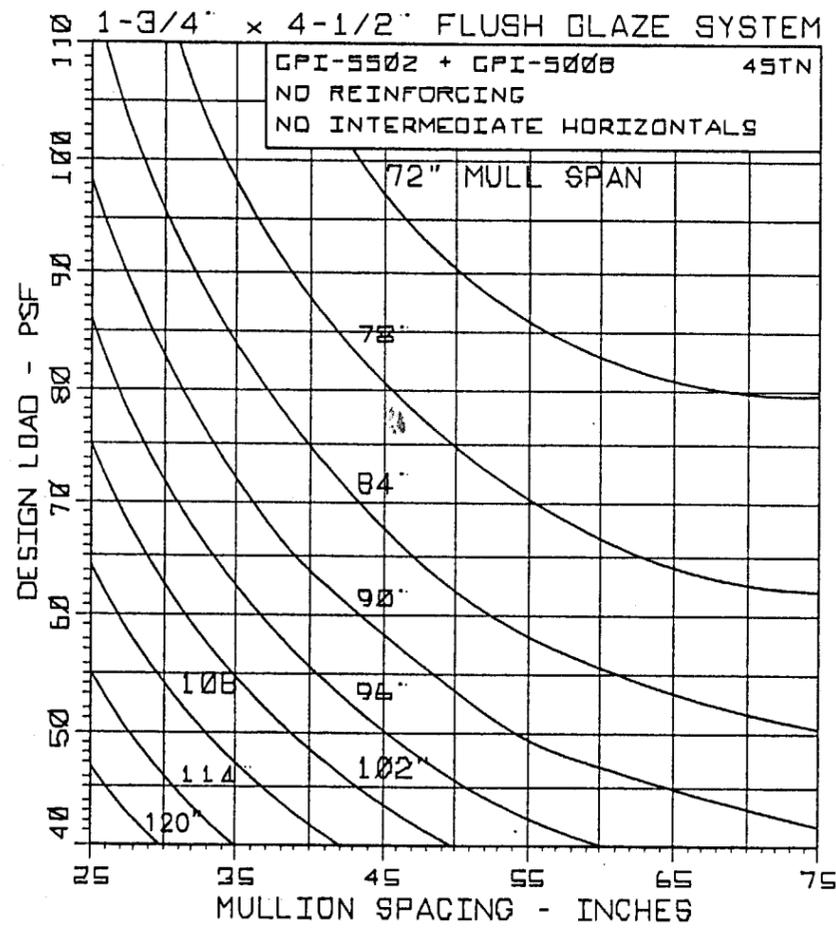
SERIES-4500 ALUM STOREFRONT SYSTEM
 GOPI GLASS CORPORATION
 4400 N.W. 74th AVE.
 MIAMI, FL. 33166
 TEL. (-) FAX. (-)

REVISIONS:	
no	date by description

date: 10-15-97
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:
 drawing no.
97-38
 sheet 3 of 7

STORE 97-38GGC-NEW

MULLION LOAD CHARTS FOR MULLS WITHOUT INTERMEDIATE HORIZONTALS



PRODUCT RENEWED
 as complying with the Florida
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 Acceptance No. 03-0801-02
 Expiration Date DEC. 4, 2008
 By *Manuel Perez*
 Miami Dade Product Control
 Division

Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 MAY 02 2007

Approved as complying with the
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 Date DEC. 26, 2002
 NOAH# 02-0513.01
 Miami Dade Product Control
 Division
 By *Manuel Perez*

afc

AL-FAROOQ CORPORATION
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SERIES-4500 ALUM STOREFRONT SYSTEM

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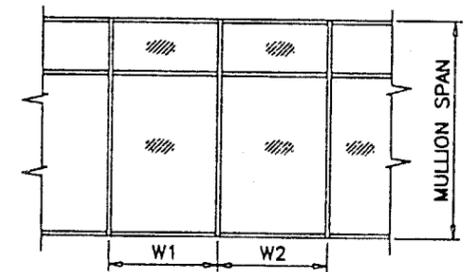
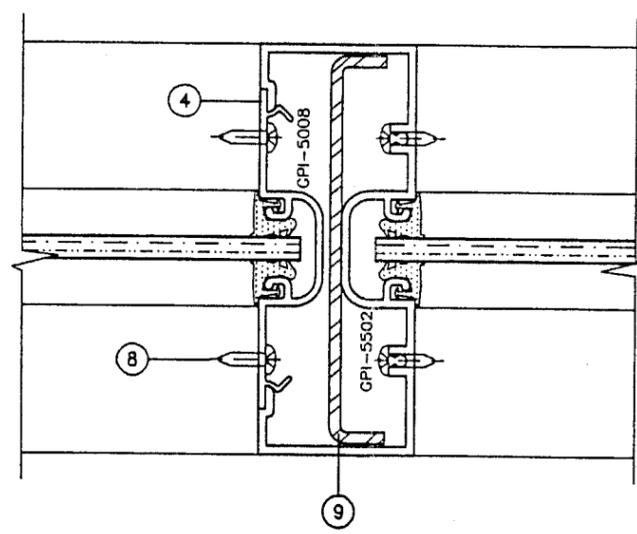
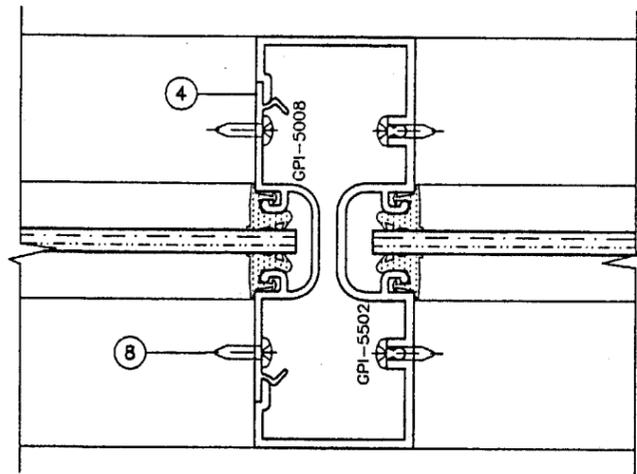
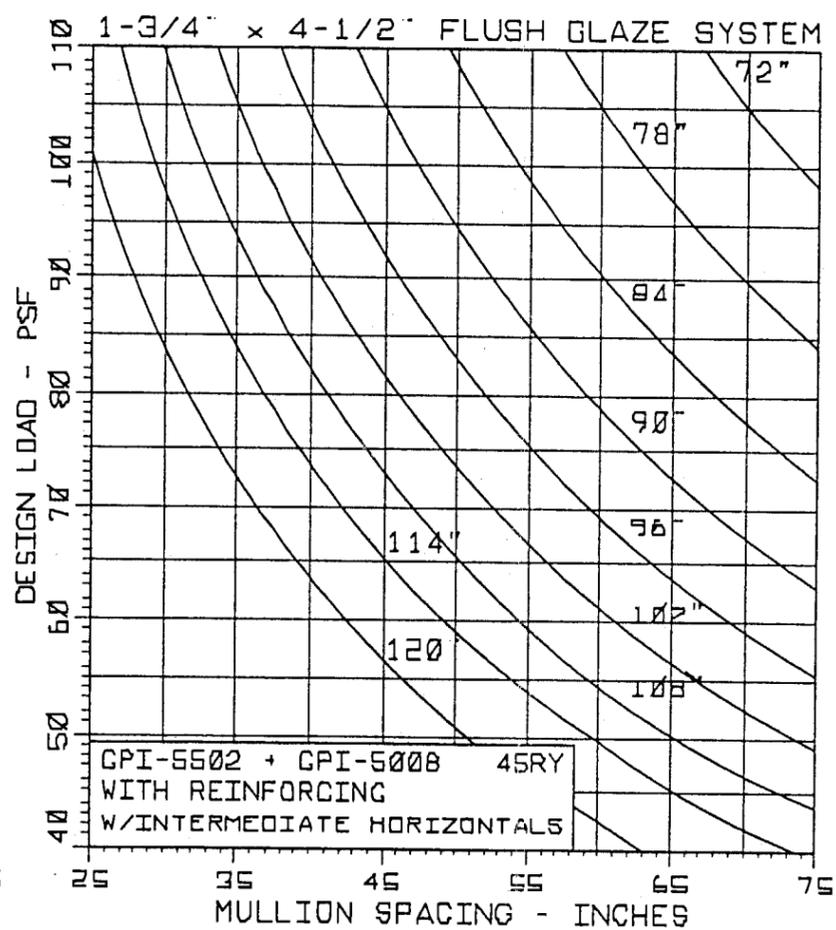
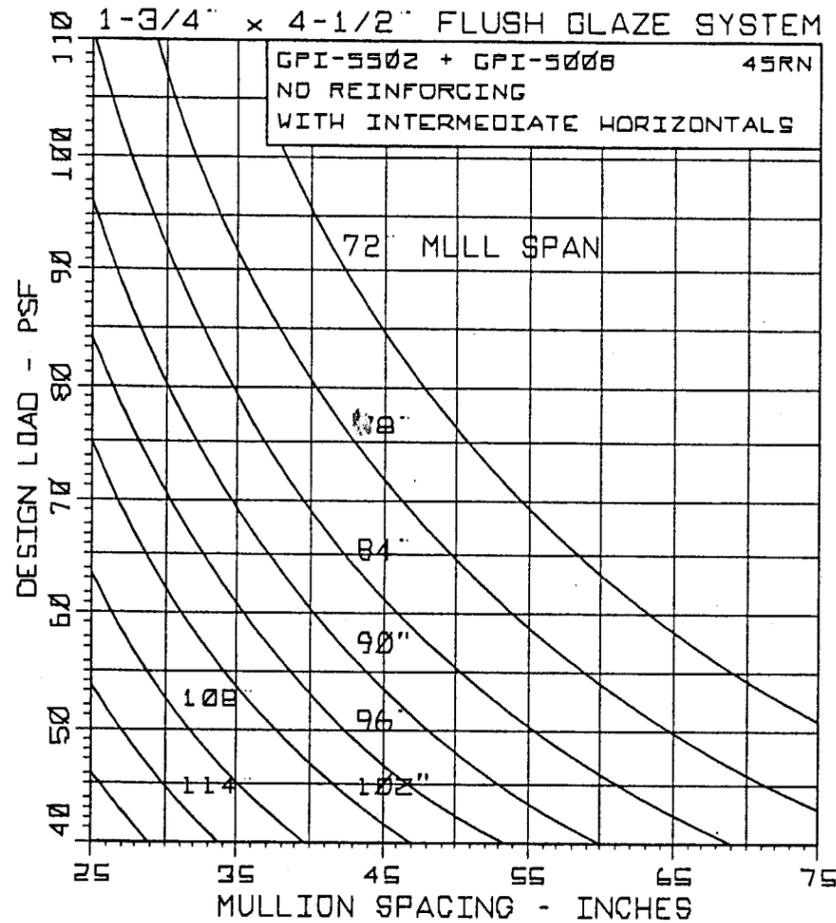
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 chk. by:

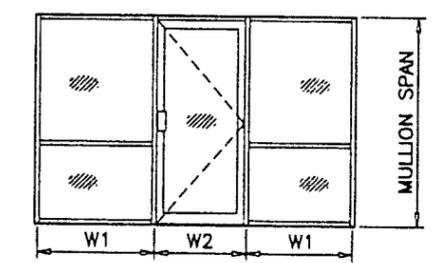
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97-38

sheet 4 of 7

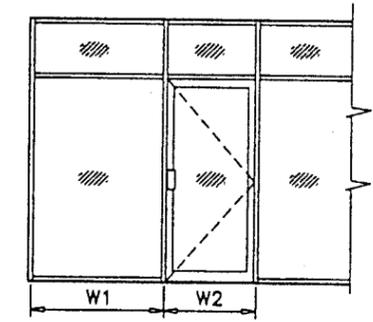
MULLION LOAD CHARTS FOR MULLS WITH INTERMEDIATE HORIZONTALS



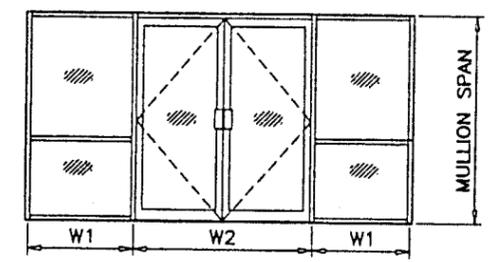
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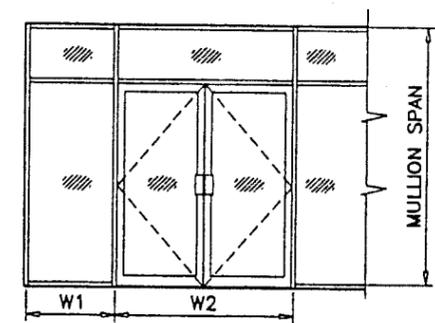
$$\text{TRIBUTARY WIDTH} = \frac{W1 + W2}{2}$$



$$\text{TRIBUTARY WIDTH} = \frac{W1 + W2}{2}$$



$$\text{TRIBUTARY WIDTH} = \frac{W1}{2} + \frac{W2}{4}$$



$$\text{TRIBUTARY WIDTH} = \frac{W1 + W2}{2}$$

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Miami Dade Product Control
Division

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

MAX 02 2002

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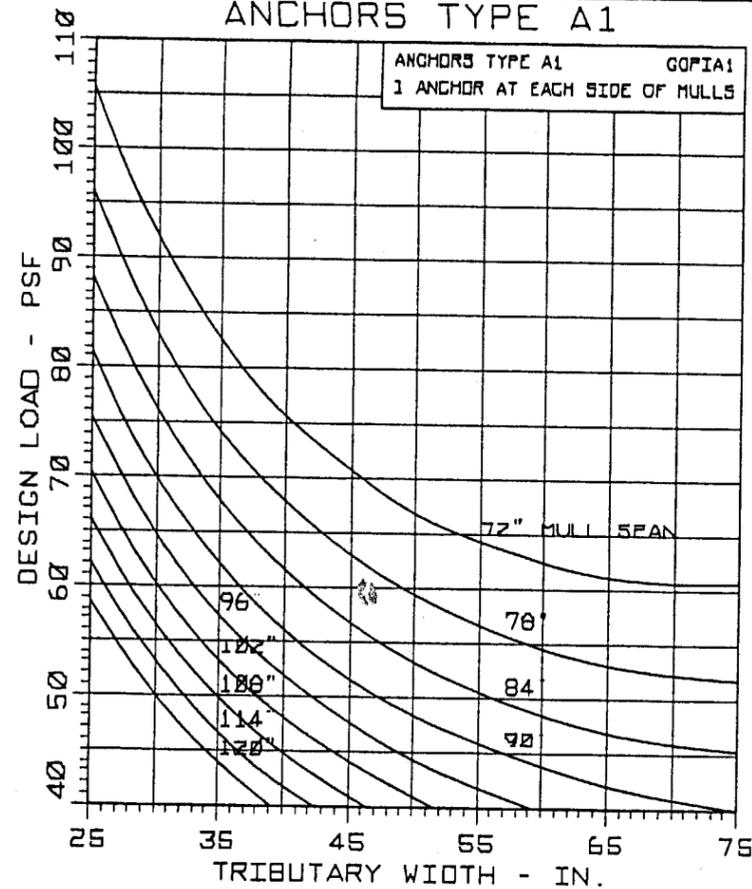
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revisions:	no	date	by	description

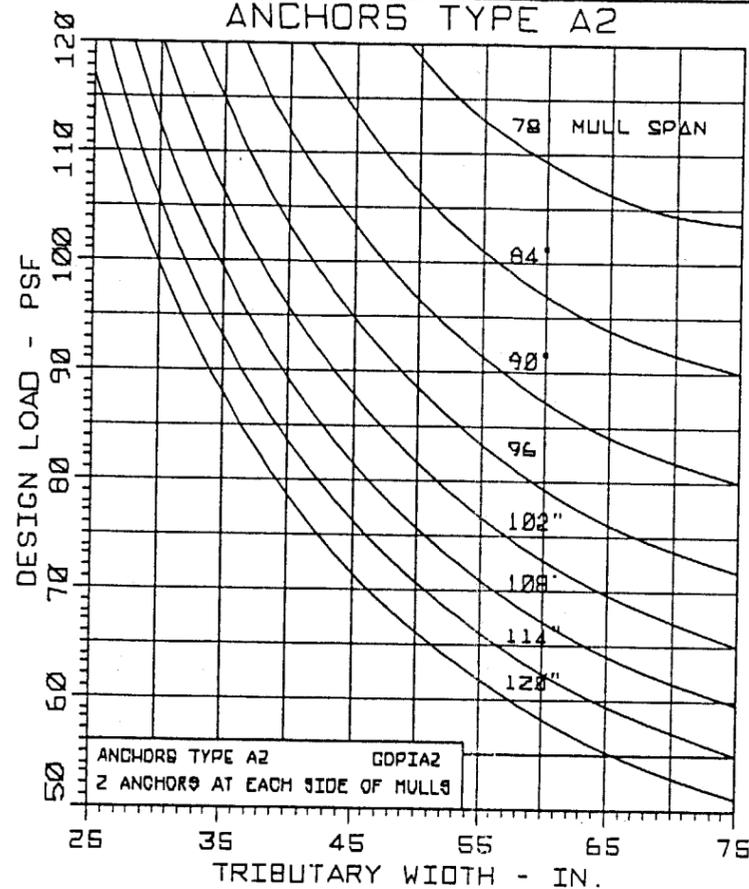
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sheet 5 of 7

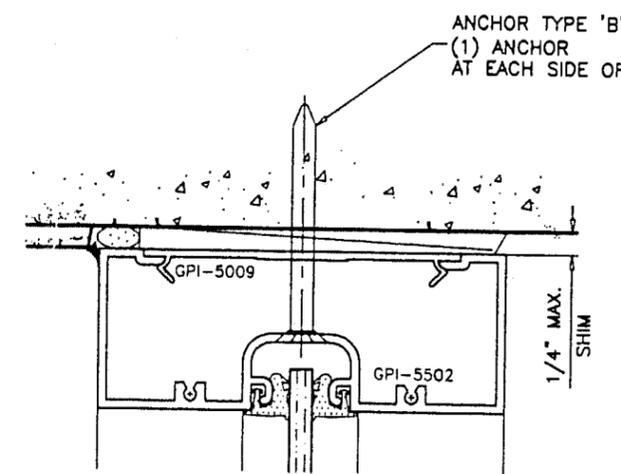
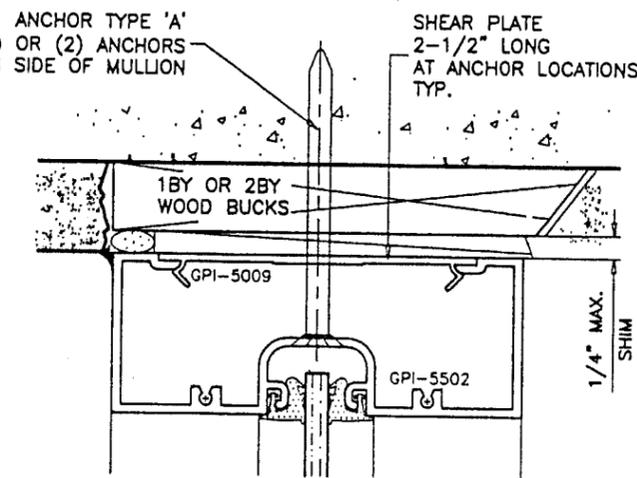
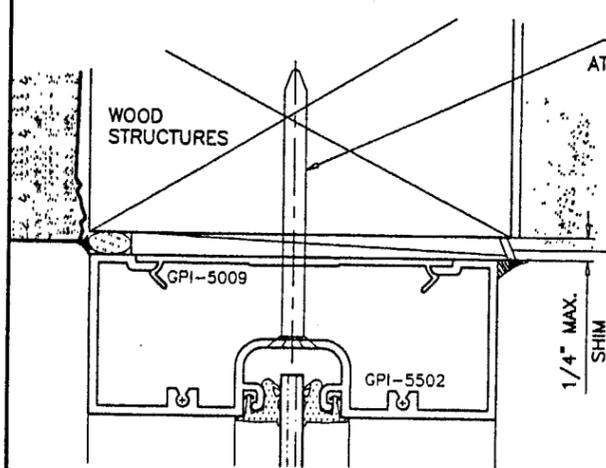
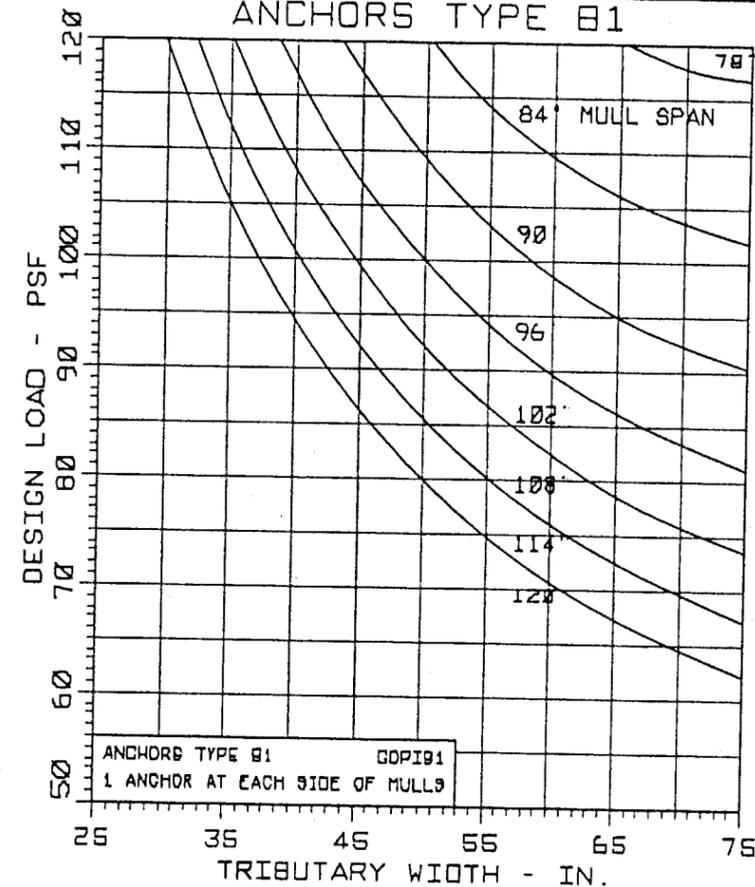
ANCHORS TYPE A1



ANCHORS TYPE A2



ANCHORS TYPE B1

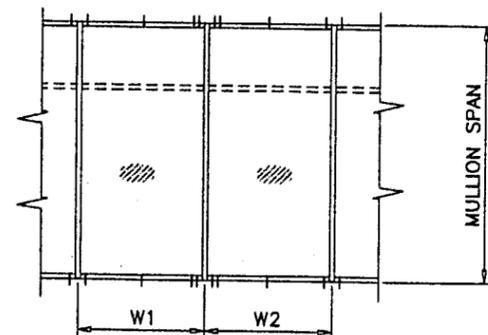


A) 1/4" TAPCONS
 INTO WOOD STRUCTURES
 1-3/4" MIN. PENETRATION INTO WOOD

A) 1/4" TAPCONS
 THRU WOOD BUCKS INTO MASONRY
 1-1/4" MIN. EMBED INTO MASONRY

B) 1/4" TAPCONS
 DIRECTLY INTO MASONRY
 1-1/2" MIN. EMBED INTO MASONRY

B) #14 SMS OR 1/4" SELF DRILLING SCREWS
 INTO METAL STRUCTURES (STEEL OR ALUM)
 STEEL : Fy = 36 KSI MIN.
 ALUMINUM : 6063-T5 MIN.



ABOVE GRAPHS ARE FOR ONE OR TWO ANCHORS AT EACH SIDE OF MULLIONS AND A TYPICAL SPACING OF 13" O.C.
 ANCHOR TYPES AND STRATA SHOWN APPLY TO HEAD/SILL AND SIDES

TRIBUTARY WIDTH = $\frac{W1 + W2}{2}$ (SEE DIAGRAMS ON SHEETS 4 & 5 FOR MORE OPTIONS)

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 as complying with the Florida
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 By Manuel Perez
 Miami Dade Product Control
 Division

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 18557

MAY 02 2002

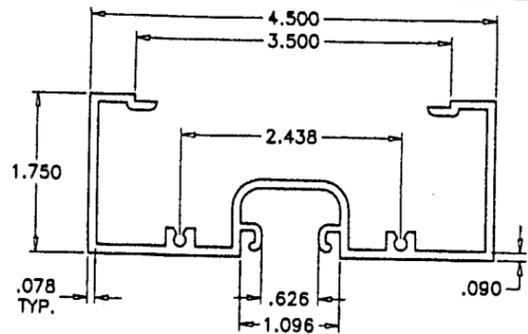
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 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978

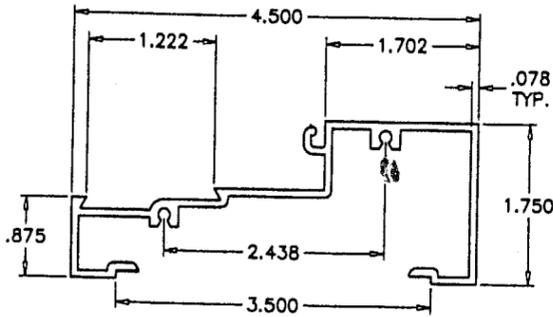
GOPI GLASS CORPORATION
 4400 N.W. 74th AVE.
 MIAMI, FL. 33166
 TEL. (-) FAX. (-)

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				chk. by:
drawing no.	97-38			
sheet	6 of 7			

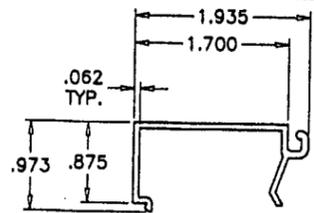
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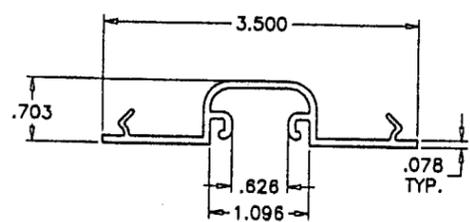
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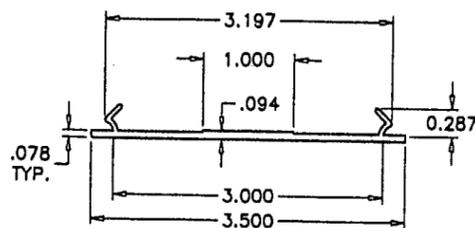
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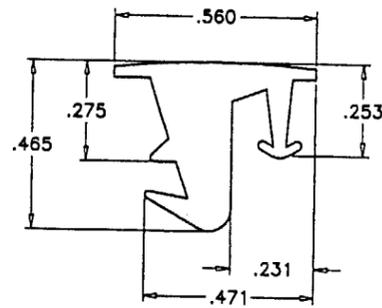
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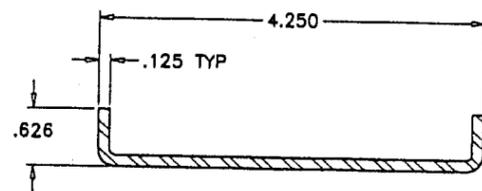
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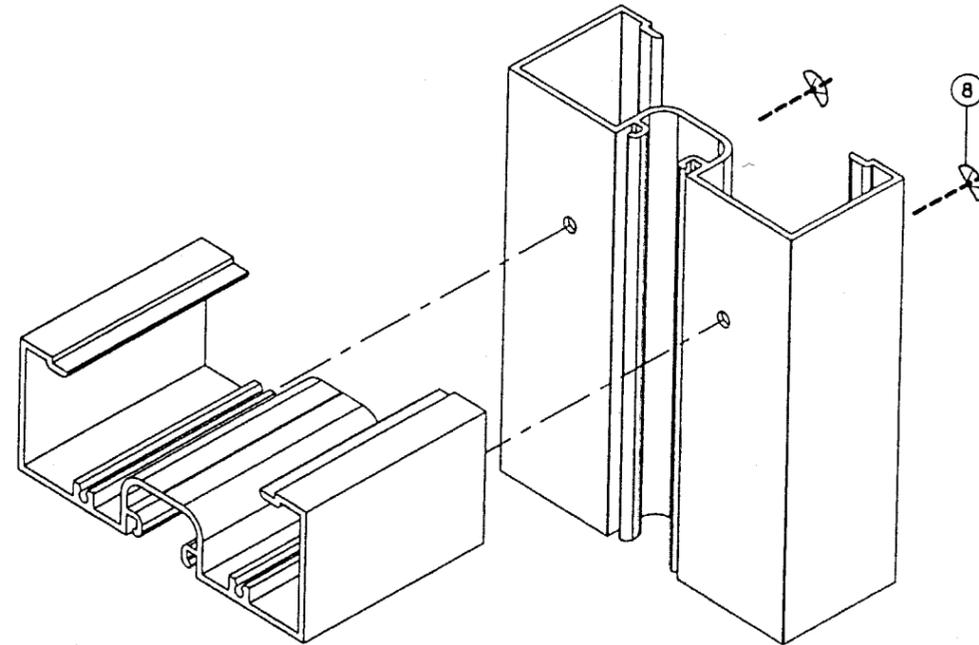
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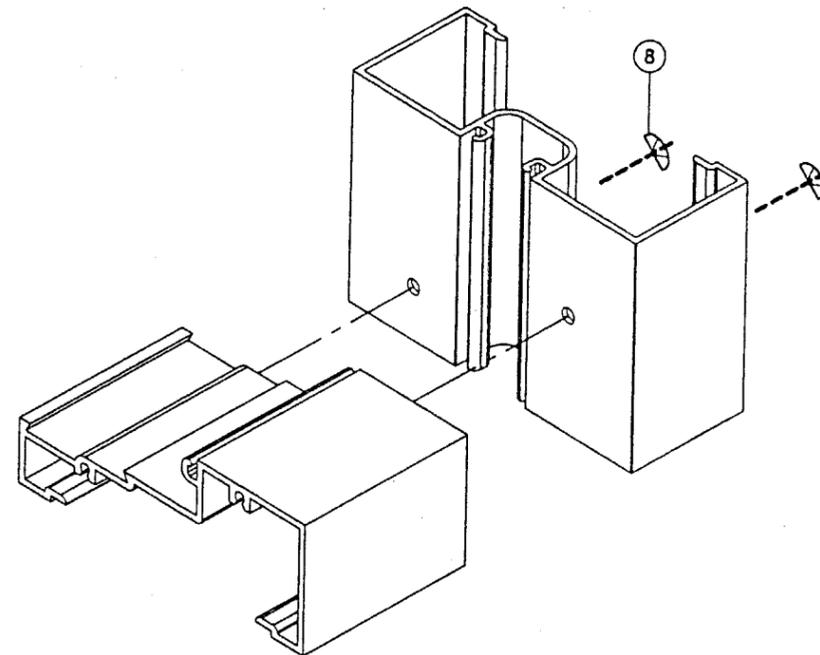
GLAZING GASKET
NEOPRENE SCALE=2:1



STEEL CHANNEL REINFORCEMENT



FRAME CORNERS



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0801.02
Expiration Date DEC. 5, 2008
By Mauneh Serz
Miami Dade Product Control
Division

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557

MAY 02 2002

Approved as complying with the
Florida Building Code
Date DEC. 26, 2002
NOA# 02-0513.01
Miami Dade Product Control
Division
By Mauneh Serz

afsc
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE 197-38GCC-NEW

SERIES-4500 ALUM STOREFRONT SYSTEM
GOPI GLASS CORPORATION
4400 N.W. 74th AVE.
MIAMI, FL. 33166
TEL. (-) FAX. (-)

revisions:	no	date	by	description

date: 10-15-97
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drawing no.
97-38

sheet 7 of 7