



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

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Binnings Pan American**  
**3000 N.W. 125 Street**  
**Miami, FL 33167**

Your application for Notice of Acceptance (NOA) of:

**Series PA-8 Aluminum Fixed Picture Window**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 00-0424.05**  
**EXPIRES: 11/22/2003**

Raul Rodriguez  
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL  
CONDITIONS  
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 11/22/2000**

**Binnings Pan American**

ACCEPTANCE No. : 00-0424.05

APPROVED : NOV 22 2000

EXPIRES : NOV 22 2003

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

- 1.1 This approves an aluminum fixed window, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

- 2.1 The **Series PA-8 Aluminum Fixed Picture Window** and its components shall be constructed in strict compliance with the following documents: Drawing No. **W99-89**, "Specialty Alum. Fixed Window Inside Gl.", Sheets 1 thru 5 of 5, prepared by Al-Farooq Corporation, dated 12/17/99, signed and sealed by 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. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

- 3.1 This approval applies to single unit applications only, as shown in approved drawings.

**4. INSTALLATION**

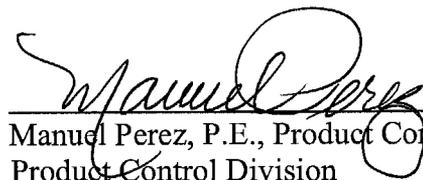
- 4.1 The aluminum fixed picture window and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): the installation of this unit **will require** a hurricane protection system.

**5. LABELING**

- 5.1 Each window unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

**6. BUILDING PERMIT REQUIREMENTS**

- 6.1 Application for building permit shall be accompanied by copies of the following:
- 6.1.1 This Notice of Acceptance.
- 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

  
Manuel Perez, P.E., Product Control Examiner  
Product Control Division

**Binnings Pan American**

**ACCEPTANCE No. :** 00-0424.05

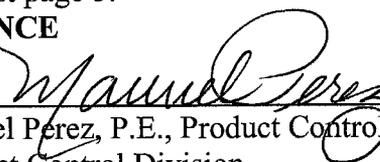
**APPROVED :** NOV 22 2000

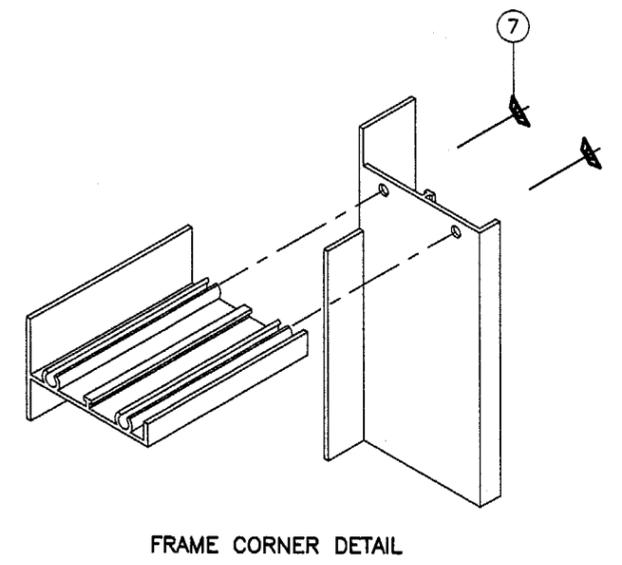
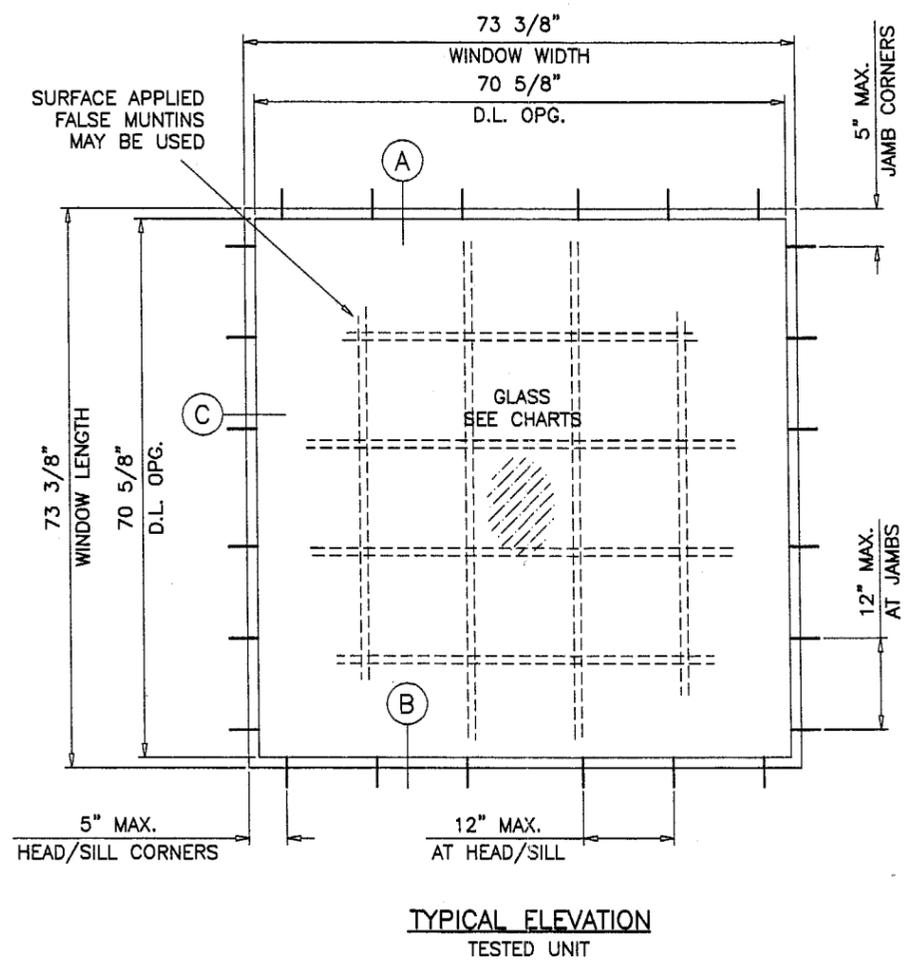
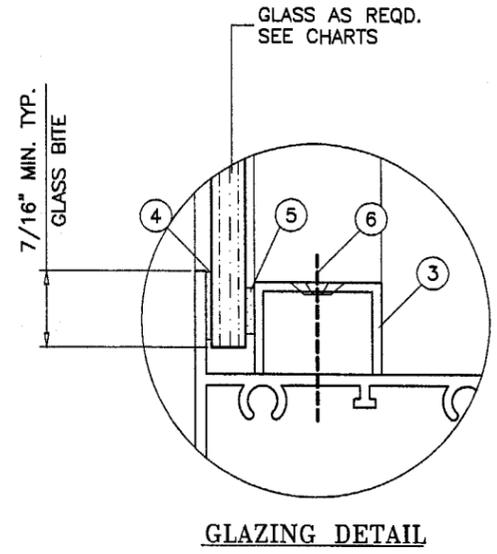
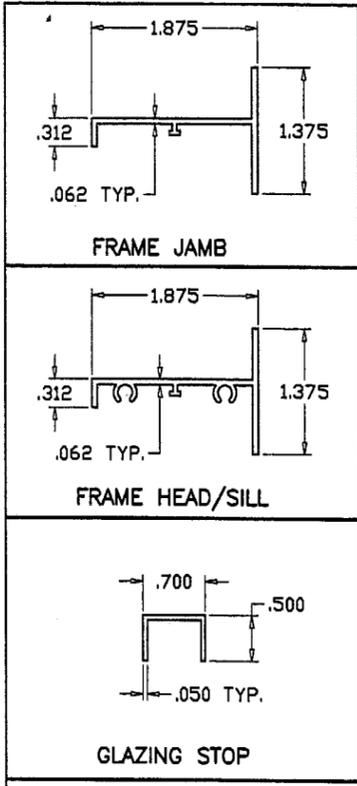
**EXPIRES :** NOV 22 2003

**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. All approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approval", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
  - b. The product is no longer the same product (identical) as the one originally approved.
  - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
  - d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a. Unsatisfactory performance of this product or process,
  - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

**END OF THIS ACCEPTANCE**

  
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Manuel Perez, P.E., Product Control Examiner  
Product Control Division



**NOTES:**

1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7-88 USING CORRESPONDING LOADS.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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

APR 10 2000

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE *November 22, 2000*  
BY *Muhammed Farooq*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *00-0424.03*

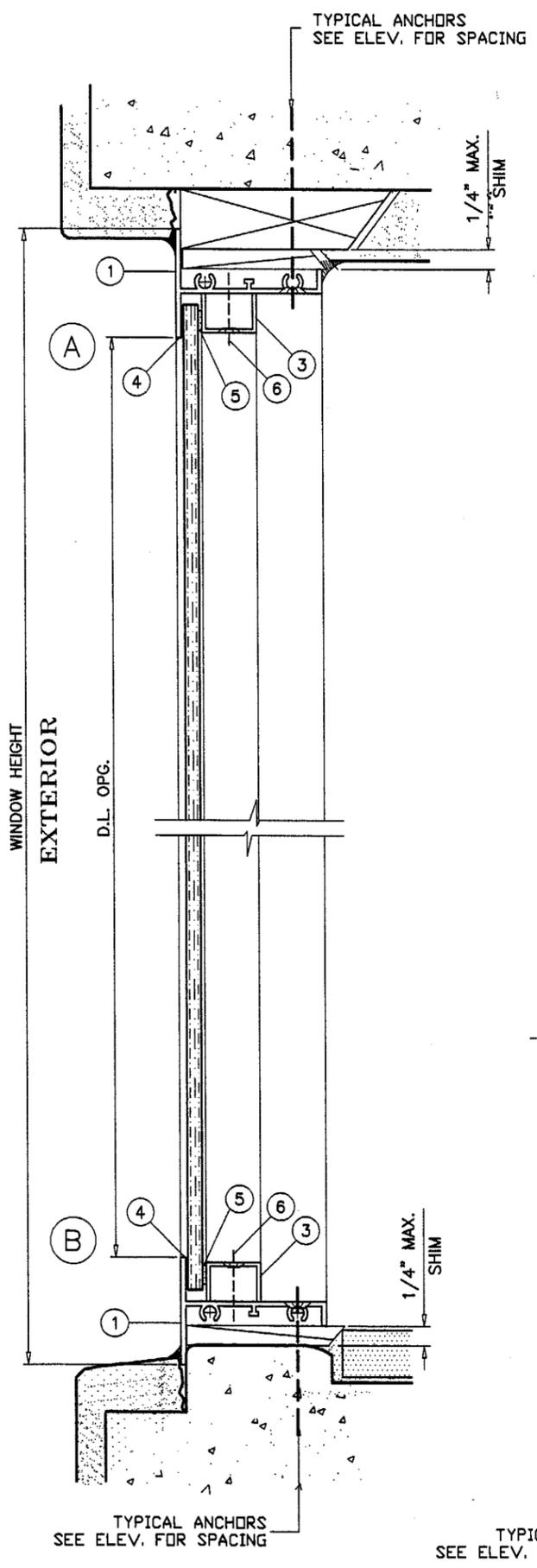
**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W99-89BP

**BINNINGS PAN AMERICAN**  
2805 N.E. 185 STREET  
MIAMI, FL. 33180  
TEL. (305) 931-2360 FAX. (305) 933-3912

revisions:	
no	date by description

date: 12-17-99  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no. **W99-89**  
sheet 1 of 5



WOOD BUCKS NOT BY BINNINGS PAN AM., MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

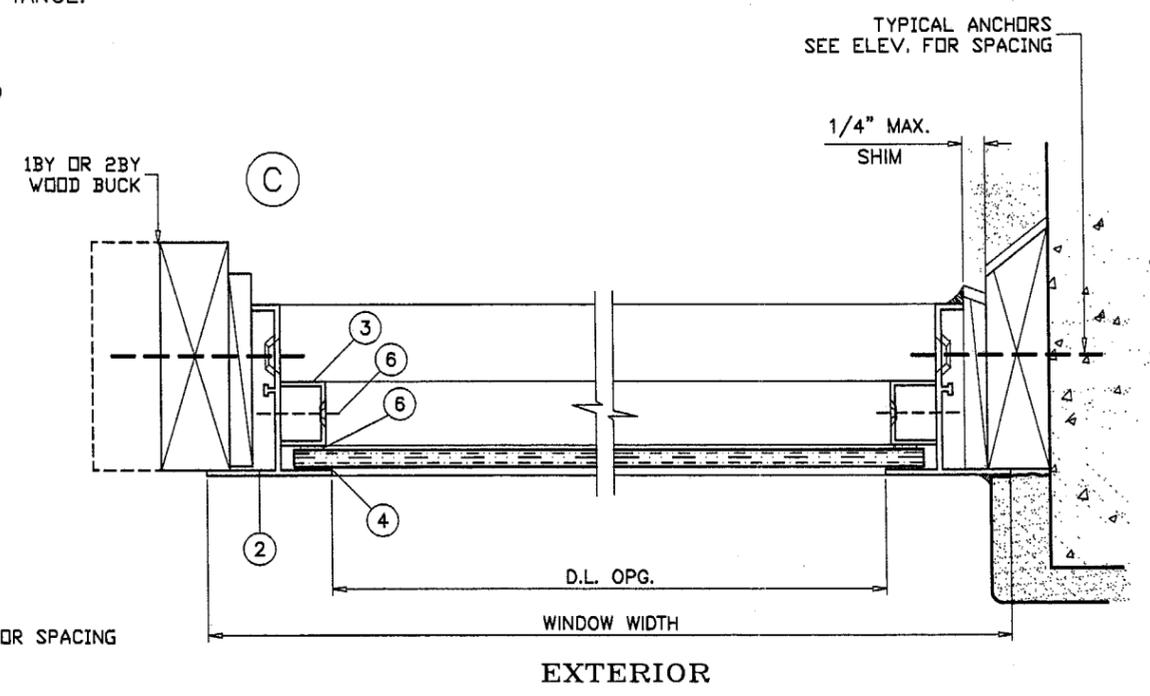
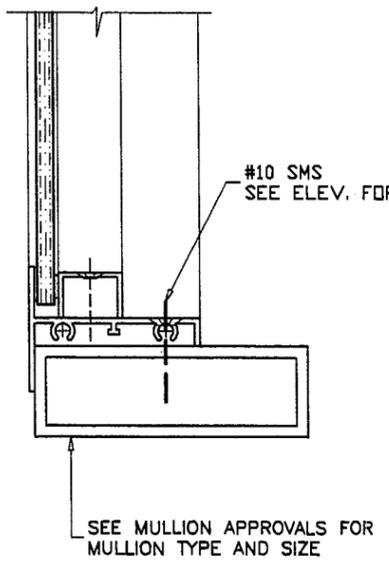
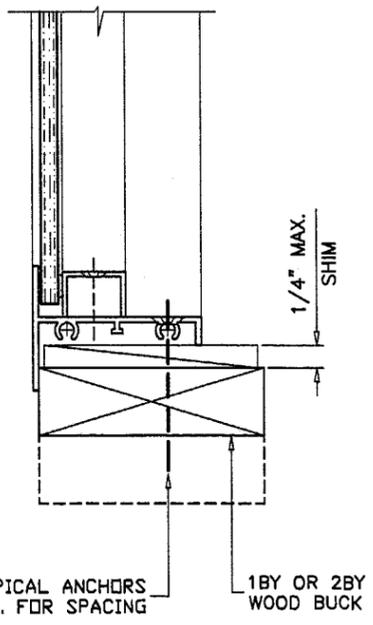
**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

- A) # 10 SMS INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1" MIN. PENETRATION INTO WOOD
  - B) 3/16" TAPCONS INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1-3/8" MIN. PENETRATION INTO WOOD THRU 1 BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
  - C) 1/4" TAPCONS INTO WOOD STRUCTURE 1-3/4" MIN. PENETRATION INTO WOOD THRU WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- TAPCONS (BY ELCO) OR EQUIV. CONC. ANCHOR HOLDING CURRENT NOTICE OF ACCEPTANCE.

**SEALANTS:**

FRAME CORNERS AND PERIMETER OF GLAZING BEAD SEALED WITH CLEAR/ALUMINUM COLORED SILICONE.

MATERIALS LIST						
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPLIER/REMARKS	
1	08-60	2	FRAME HEAD/SILL	ALUMINUM	6063-T5	
2	08-64	2	FRAME JAMB	ALUMINUM	6063-T5	
3	08-20	4	GLAZING STOP	ALUMINUM	6063-T5	
4	899	AS REQD.	GLAZING COMPOUND	SILICONE	DOW CORNING	
5	-	AS REQD.	SPACER (1/4" X 3/4" X .050")	NEOPRENE	AT 17" O.C.	
6	#8 X 3/4"	AS REQD.	GLAZING STOP SCREWS	CRS	6" FROM CORNER & 18" AVG. SPACING	
7	#8 X 1"	AS REQD.	FRAME ASSEMBLY SCREWS	CRS	-	



Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
*APR 10 2000*

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE *November 22, 2000*  
BY *Manuel...*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *00-0424-05*

**afc**

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6878  
COMP-ANL W99-89BP

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SPECIALTY ALUM FIXED WINDOW INSIDE GL.  
**BINNINGS PAN AMERICAN**  
2805 N.E. 185 STREET  
MIAMI, FL. 33180  
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revisions:	no	date	by	description

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date:	12-17-99
scale:	1/2" = 1"
dr. by:	HAMID
chk. by:	

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drawing no. **W99-89**  
sheet 2 of 5

DESIGN LOAD CAPACITY - PSF MIAMI DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED												
WINDOW DIMS.		# 10 SMS										
		DSB-ANN. GLASS		3/16"-ANN. GLASS		1/4"-ANN. GLASS		DSB-TEMP. GLASS		3/16"-TEMP. GLASS		
WIDTH	LENGTH	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	
18"	24"	62.1	62.1	81.5	81.5	100.0	114.1	100.0	216.0	100.0	216.0	
24"		46.6	46.6	76.4	76.4	100.0	107.0	100.0	162.0	100.0	162.0	
30"		46.6	46.6	63.7	63.7	89.2	89.2	100.0	108.0	100.0	108.0	
36"		46.6	46.6	57.3	57.3	80.3	80.3	100.0	81.0	100.0	81.0	
42"		45.4	45.4	53.5	53.5	74.9	74.9	100.0	81.0	100.0	81.0	
48"		43.2	43.2	51.0	51.0	71.3	71.3	100.0	81.0	100.0	81.0	
54"		41.7	41.7	49.1	49.1	68.8	68.8	100.0	81.0	100.0	81.0	
60"		40.5	40.5	47.8	47.8	66.9	66.9	100.0	81.0	100.0	81.0	
18"	36"	57.6	57.6	67.9	67.9	95.1	95.1	100.0	108.0	100.0	108.0	
24"		46.6	46.6	57.3	57.3	80.3	80.3	100.0	81.0	100.0	81.0	
30"		-	-	52.4	52.4	73.4	64.8	100.0	64.8	100.0	64.8	
36"		-	-	51.0	51.0	71.3	54.0	100.0	54.0	100.0	54.0	
42"		-	-	44.6	44.6	62.4	54.0	100.0	54.0	100.0	54.0	
48"		-	-	40.8	40.8	57.1	54.0	100.0	54.0	100.0	54.0	
54"		-	-	-	-	53.5	53.5	100.0	54.0	100.0	54.0	
60"		-	-	-	-	51.0	51.0	100.0	54.0	100.0	54.0	
18"	48"	53.2	53.2	62.7	62.7	87.8	87.8	100.0	108.0	100.0	108.0	
24"		43.2	43.2	51.0	51.0	71.3	71.3	100.0	81.0	100.0	81.0	
30"		-	-	44.5	44.5	62.3	62.3	100.0	64.8	100.0	64.8	
36"		-	-	40.8	40.8	57.1	54.0	100.0	54.0	100.0	54.0	
42"		-	-	-	-	54.4	46.3	100.0	46.3	100.0	46.3	
48"		-	-	-	-	53.5	40.5	-	-	100.0	40.5	
54"		-	-	-	-	48.2	40.5	-	-	100.0	40.5	
60"		-	-	-	-	44.6	40.5	-	-	100.0	40.5	
18"	60"	50.8	50.8	59.9	59.9	83.9	83.9	100.0	108.0	100.0	108.0	
24"		40.5	40.5	47.8	47.8	66.9	66.9	100.0	81.0	100.0	81.0	
30"		-	-	40.8	40.8	57.1	57.1	100.0	64.8	100.0	64.8	
36"		-	-	-	-	51.0	51.0	100.0	54.0	100.0	54.0	
42"		-	-	-	-	47.0	46.3	-	-	100.0	46.3	
48"		-	-	-	-	44.6	40.5	-	-	100.0	40.5	
18"		72"	49.4	49.4	58.2	58.2	81.5	81.5	100.0	108.0	100.0	108.0
24"			-	-	45.9	45.9	64.2	64.2	100.0	81.0	100.0	81.0
30"	-		-	-	-	54.1	54.1	100.0	64.8	100.0	64.8	
36"	-		-	-	-	47.6	47.6	-	-	100.0	54.0	
42"	-		-	-	-	43.2	43.2	-	-	100.0	46.3	
48"	-		-	-	-	40.1	40.1	-	-	100.0	40.5	
18"	84"		43.5	43.5	57.1	57.1	79.9	79.9	100.0	108.0	100.0	108.0
24"			-	-	44.6	44.6	62.4	62.4	100.0	81.0	100.0	81.0
30"		-	-	-	-	52.1	52.1	-	-	100.0	64.8	
36"		-	-	-	-	45.4	45.4	-	-	100.0	54.0	
42"		-	-	-	-	40.8	40.8	-	-	100.0	46.3	
48"		-	-	-	-	-	-	-	-	96.3	40.5	

DESIGN LOAD CAPACITY - PSF MIAMI DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED												
WINDOW DIMS.		# 10 SMS										
		DSB-ANN. GLASS		3/16"-ANN. GLASS		1/4"-ANN. GLASS		DSB-TEMP. GLASS		3/16"-TEMP. GLASS		
WIDTH	LENGTH	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	
18"	96"	-	-	56.2	56.2	78.7	78.7	100.0	108.0	100.0	108.0	
24"		-	-	43.7	43.7	61.1	61.1	-	-	100.0	81.0	
30"		-	-	-	-	50.7	50.7	-	-	100.0	64.8	
36"		-	-	-	-	43.9	43.9	-	-	100.0	54.0	
42"		-	-	-	-	-	-	-	-	100.0	46.3	
48"		-	-	-	-	-	-	-	-	91.7	40.5	
18"		108"	-	-	55.6	55.6	77.8	77.8	100.0	108.0	100.0	108.0
24"			-	-	43.0	43.0	60.2	60.2	-	-	100.0	81.0
30"	-		-	-	-	49.7	49.7	-	-	100.0	64.8	
36"	-		-	-	-	42.7	42.7	-	-	100.0	54.0	
42"	-		-	-	-	-	-	-	-	97.6	46.3	
48"	-		-	-	-	-	-	-	-	85.3	40.5	
18"	120"		-	-	55.0	55.0	77.1	77.1	100.0	108.0	100.0	108.0
24"			-	-	40.0	40.0	59.2	59.2	-	-	100.0	81.0
30"		-	-	-	-	46.6	46.6	-	-	100.0	64.8	
36"		-	-	-	-	-	-	-	-	100.0	54.0	
42"		-	-	-	-	-	-	-	-	88.2	46.3	
19-1/8"		26"	58.4	58.4	75.9	75.9	100.0	106.2	100.0	174.3	100.0	174.3
26-1/2"			43.0	43.0	69.2	69.2	96.9	96.9	100.0	123.8	100.0	123.8
37"			43.0	43.0	54.4	54.4	76.1	74.8	100.0	74.8	100.0	74.8
53-1/8"	39.6		39.6	46.7	46.7	65.4	65.4	100.0	74.8	100.0	74.8	
19-1/8"	38-3/8"	54.2	54.2	63.9	63.9	89.4	89.4	100.0	101.6	100.0	101.6	
26-1/2"		42.2	42.2	52.9	52.9	74.0	73.4	100.0	73.4	100.0	73.4	
37"		-	-	47.9	47.9	67.0	52.5	100.0	52.5	100.0	52.5	
53-1/8"		-	-	-	-	52.4	50.7	100.0	50.7	100.0	50.7	
19-1/8"	50-5/8"	50.1	50.1	59.1	59.1	82.8	82.8	100.0	101.6	100.0	101.6	
26-1/2"		39.8	39.8	46.9	46.9	65.6	65.6	100.0	73.4	100.0	73.4	
37"		-	-	39.1	39.1	54.7	52.5	100.0	52.5	100.0	52.5	
19-1/8"		47.9	47.9	56.5	56.5	79.2	79.2	100.0	101.6	100.0	101.6	
26-1/2"	63"	-	-	43.8	43.8	61.4	61.4	100.0	73.4	100.0	73.4	
37"		-	-	-	-	49.1	49.1	-	-	100.0	52.5	
19-1/8"	74-1/4"	46.1	46.1	55.0	55.0	77.1	77.1	100.0	101.6	100.0	101.6	
26-1/2"		-	-	42.1	42.1	59.0	59.0	100.0	73.4	100.0	73.4	
37"		-	-	-	-	46.2	46.2	-	-	100.0	52.5	

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

APR 10 2000

APPROVED AS COMPLYING WITH THE  
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DATE November 22, 2000  
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dr. by: HAMID  
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drawing no. **W99-89**  
sheet 3 of 5

DESIGN LOAD CAPACITY - PSF							
MIAMI DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED							
WINDOW DIMS.		3/16" TAPCONS					
		1/4"-ANN. GLASS		DSB-TEMP. GLASS		3/16"-TEMP. GLASS	
WIDTH	LENGTH	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18"	24"	100.0	114.1	100.0	248.3	100.0	293.5
24"		100.0	107.0	100.0	186.3	100.0	262.0
30"		89.2	89.2	100.0	174.7	100.0	174.7
36"		80.3	80.3	100.0	131.0	100.0	131.0
42"		74.9	74.9	100.0	131.0	100.0	131.0
48"		71.3	71.3	100.0	131.0	100.0	131.0
54"		68.8	68.8	100.0	131.0	100.0	131.0
60"		66.9	66.9	100.0	131.0	100.0	131.0
18"	36"	95.1	95.1	100.0	174.7	100.0	174.7
24"		80.3	80.3	100.0	131.0	100.0	131.0
30"		73.4	73.4	100.0	104.8	100.0	104.8
36"		71.3	71.3	100.0	87.3	100.0	87.3
42"		62.4	62.4	100.0	87.3	100.0	87.3
48"		57.1	57.1	100.0	87.3	100.0	87.3
54"		53.5	53.5	100.0	87.3	100.0	87.3
60"		51.0	51.0	100.0	87.3	100.0	87.3
18"	48"	87.8	87.8	100.0	174.7	100.0	174.7
24"		71.3	71.3	100.0	131.0	100.0	131.0
30"		62.3	62.3	100.0	104.8	100.0	104.8
36"		57.1	57.1	100.0	87.3	100.0	87.3
42"		54.4	54.4	100.0	74.9	100.0	74.9
48"		53.5	53.5	-	-	100.0	65.5
54"		48.2	48.2	-	-	100.0	65.5
60"		44.6	44.6	-	-	100.0	65.5
18"	60"	83.9	83.9	100.0	174.7	100.0	174.7
24"		66.9	66.9	100.0	131.0	100.0	131.0
30"		57.1	57.1	100.0	104.8	100.0	104.8
36"		51.0	51.0	100.0	87.3	100.0	87.3
42"		47.0	47.0	-	-	100.0	74.9
48"		44.6	44.6	-	-	100.0	65.5
54"		43.2	43.2	-	-	100.0	58.2
60"		42.8	42.8	-	-	100.0	52.4
18"	72"	81.5	81.5	100.0	174.7	100.0	174.7
24"		64.2	64.2	100.0	131.0	100.0	131.0
30"		54.1	54.1	100.0	104.8	100.0	104.8
36"		47.6	47.6	-	-	100.0	87.3
42"		43.2	43.2	-	-	100.0	74.9
48"		40.1	40.1	-	-	100.0	65.5
54"		-	-	-	-	97.8	58.2
60"		-	-	-	-	94.3	52.4
18"	84"	79.9	79.9	100.0	174.0	100.0	174.7
24"		62.4	62.4	100.0	126.8	100.0	131.0
30"		52.1	52.1	-	-	100.0	104.8
36"		45.4	45.4	-	-	100.0	87.3
42"		40.8	40.8	-	-	100.0	74.9
48"		-	-	-	-	96.3	65.5
54"		-	-	-	-	90.1	58.2
60"		-	-	-	-	85.6	52.4

DESIGN LOAD CAPACITY - PSF								
MIAMI DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED								
WINDOW DIMS.		3/16" TAPCONS						
		1/4"-ANN. GLASS		DSB-TEMP. GLASS		3/16"-TEMP. GLASS		
WIDTH	LENGTH	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
18"	96"	78.7	78.7	100.0	151.8	100.0	174.7	
24"		61.1	61.1	-	-	100.0	131.0	
30"		50.7	50.7	-	-	100.0	104.8	
36"		43.9	43.9	-	-	100.0	87.3	
42"		39.1	39.1	-	-	100.0	74.9	
48"		-	-	-	-	91.7	65.5	
54"		-	-	-	-	85.1	58.2	
60"		-	-	-	-	-	-	
18"	108"	77.8	77.8	100.0	134.6	100.0	174.7	
24"		60.2	60.2	-	-	100.0	131.0	
30"		49.7	49.7	-	-	100.0	104.8	
36"		42.7	42.7	-	-	100.0	87.3	
42"		-	-	-	-	97.6	74.9	
48"		-	-	-	-	85.3	65.5	
18"		120"	77.1	77.1	100.0	121.0	100.0	174.7
24"			59.2	59.2	-	-	100.0	131.0
30"	46.6		46.6	-	-	100.0	104.8	
36"	-		-	-	-	100.0	87.3	
42"	-		-	-	-	88.2	74.9	
19-1/8"	26"		100.0	106.2	100.0	233.7	100.0	273.1
26-1/2"			96.9	96.9	100.0	171.9	100.0	200.1
37"			76.1	76.1	100.0	120.9	100.0	120.9
53-1/8"		65.4	65.4	100.0	120.9	100.0	120.9	
19-1/8"	38-3/8"	89.4	89.4	100.0	164.4	100.0	164.4	
26-1/2"		74.0	74.0	100.0	118.6	100.0	118.6	
37"		67.0	67.0	100.0	85.0	100.0	85.0	
53-1/8"		52.4	52.4	100.0	81.9	100.0	81.9	
19-1/8"	50-5/8"	82.8	82.8	100.0	164.4	100.0	164.4	
26-1/2"		65.6	65.6	100.0	118.6	100.0	118.6	
37"		54.7	54.7	100.0	85.0	100.0	85.0	
53-1/8"		48.4	48.4	-	-	100.0	62.1	
19-1/8"	63"	79.2	79.2	100.0	164.4	100.0	164.4	
26-1/2"		61.4	61.4	100.0	118.6	100.0	118.6	
37"		49.1	49.1	-	-	100.0	85.0	
53-1/8"		41.8	41.8	-	-	100.0	59.2	
19-1/8"	74-1/4"	77.1	77.1	100.0	164.4	100.0	164.4	
26-1/2"		59.0	59.0	100.0	118.6	100.0	118.6	
37"		46.2	46.2	-	-	100.0	85.0	
53-1/8"		-	-	-	-	96.8	59.2	

Engr. DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 18557  
*[Signature]*  
APR 10 2000

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE *November 22, 2000*  
BY *Mamuel Cruz*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *00-0424.05*

*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 W99-89BP

SPECIALTY ALUM FIXED WINDOW INSIDE GL.  
BINNINGS PAN AMERICAN  
2805 N.E. 185 STREET  
MIAMI, FL. 33180  
TEL. (305) 931-2350 FAX. (305) 933-3912

revisions:	no	date	by	description

date: 12-17-99  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:  
drawing no. **W99-89**  
sheet 4 of 5

*00-0424.05*

DESIGN LOAD CAPACITY - PSF					
DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQD					
WINDOW DIMS.		1/4" TAPCONS			
		DSB-TEMP. GLASS		3/16"-TEMP. GLASS	
WIDTH	LENGTH	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18"	24"	100.0	248.3	100.0	293.5
24"		100.0	186.3	100.0	275.2
30"		100.0	186.3	100.0	229.3
36"		100.0	186.3	100.0	206.4
42"		100.0	181.5	100.0	192.6
48"		100.0	172.8	100.0	183.4
54"		100.0	166.6	100.0	176.9
60"		100.0	162.0	100.0	172.0
18"	36"	100.0	230.4	100.0	244.6
24"		100.0	186.3	100.0	206.4
30"		100.0	149.0	100.0	188.7
36"		100.0	124.2	100.0	179.3
42"		100.0	124.2	100.0	160.5
48"		100.0	124.2	100.0	146.8
54"		100.0	124.2	100.0	137.6
60"		100.0	116.2	100.0	131.0
18"	48"	100.0	212.7	100.0	225.8
24"		100.0	172.8	100.0	183.4
30"		100.0	149.0	100.0	160.1
36"		100.0	124.2	100.0	146.8
42"		100.0	106.4	100.0	139.8
48"		-	-	100.0	134.5
54"		-	-	100.0	123.8
60"		-	-	100.0	114.6
18"	60"	100.0	203.3	100.0	215.8
24"		100.0	162.0	100.0	172.0
30"		100.0	138.3	100.0	146.8
36"		100.0	116.2	100.0	131.0
42"		-	-	100.0	120.9
48"		-	-	100.0	114.6
54"		-	-	100.0	111.2
60"		-	-	100.0	107.6
18"	72"	100.0	197.5	100.0	209.6
24"		100.0	148.5	100.0	165.1
30"		100.0	116.8	100.0	139.0
36"		-	-	100.0	122.3
42"		-	-	100.0	111.0
48"		-	-	100.0	103.2
54"		-	-	97.8	97.8
60"		-	-	94.3	94.3
18"	84"	100.0	174.0	100.0	205.5
24"		100.0	126.8	100.0	160.5
30"		-	-	100.0	134.0
36"		-	-	100.0	116.7
42"		-	-	100.0	104.8
48"		-	-	96.3	96.3
54"		-	-	90.1	90.1
60"		-	-	85.6	85.6

DESIGN LOAD CAPACITY - PSF						
DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQD						
WINDOW DIMS.		1/4" TAPCONS				
		DSB-TEMP. GLASS		3/16"-TEMP. GLASS		
WIDTH	LENGTH	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
18"	96"	100.0	151.8	100.0	202.4	
24"		-	-	100.0	157.2	
30"		-	-	100.0	130.4	
36"		-	-	100.0	112.9	
42"		-	-	100.0	100.6	
48"		-	-	91.7	91.7	
54"		-	-	85.1	85.1	
60"		-	-	-	-	
18"	108"	100.0	134.6	100.0	200.1	
24"		-	-	100.0	154.8	
30"		-	-	100.0	127.8	
36"		-	-	100.0	110.1	
42"		-	-	97.6	97.6	
48"		-	-	85.3	85.3	
18"		120"	100.0	121.0	100.0	198.3
24"			-	-	100.0	152.9
30"	-		-	100.0	125.8	
36"	-		-	100.0	103.7	
42"	-	-	88.2	88.2		
19-1/8"	26"	100.0	233.7	100.0	273.1	
26-1/2"		100.0	171.9	100.0	249.3	
37"		100.0	171.9	100.0	195.8	
53-1/8"		100.0	158.4	100.0	168.1	
19-1/8"	38-3/8"	100.0	216.6	100.0	229.9	
26-1/2"		100.0	168.7	100.0	190.3	
37"		100.0	120.8	100.0	172.3	
53-1/8"		100.0	116.5	100.0	134.7	
19-1/8"	50-5/8"	100.0	200.5	100.0	212.9	
26-1/2"		100.0	159.0	100.0	168.8	
37"		100.0	120.8	100.0	140.6	
53-1/8"		-	-	100.0	124.6	
19-1/8"	63"	100.0	191.8	100.0	203.5	
26-1/2"		100.0	148.7	100.0	157.8	
37"		-	-	100.0	126.3	
53-1/8"		-	-	100.0	107.5	
19-1/8"	74-1/4"	100.0	184.6	100.0	198.2	
26-1/2"		100.0	129.3	100.0	151.7	
37"		-	-	100.0	118.9	
53-1/8"		-	-	96.8	96.8	

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

*H*  
*6*  
APR 10 2000

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE *November 22, 2000*  
BY *Mamuel Sere*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *00-0424-08*

*afc*

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
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revisions:	no	date	by	description

date: 12-17-99	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
drawing no. W99-89		sheet 5 of 5	