



**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**

**Arch Aluminum & Glass Company**  
**10200 N.W. 67th Street**  
**Tamarac, FL 33321**

Your application for Notice of Acceptance (NOA) of:

**Series "PBS 383 Curtain Wall" Aluminum Window Wall Systems - Small Impact Resistant**

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.: 00-0630.02**  
**EXPIRES: 10/13/2002**

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: 09/21/2000**

Arch Aluminum & Glass Co. Inc.

ACCEPTANCE No.: 00-0630.02

APPROVED : SEP 21 2000

EXPIRES : October 13, 2002

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

- 1.1 This revises and replaces the Notice of Acceptance No. 99-0615.02, which was issued on October 13, 1999. It approves an aluminum window wall system, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 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 "PBS 383 Curtain Wall" Aluminum Window Wall System (Pressure Plate Glazed) –Small Missile Impact Resistant and Non-Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No 99-16, titled "Series PBS-383 Curtain Wall/Window Wall System" Sheets 1 through 4 of 4 dated 05/27/99 with revision D dated on 06/10/00, 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. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

- 3.1 This approval applies to multiple unit applications of an aluminum window wall system, limited only to the maximum height (span) and maximum mullion o.c. spacing and the Design Pressure Rating, as shown in approved drawing.

**4. INSTALLATION**

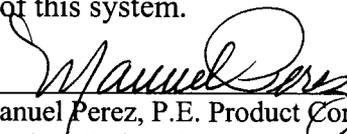
- 4.1 The aluminum window wall system and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding glazing option in sheet 1 of 4 of approved drawing.

**5. LABELING**

- 5.1 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".

**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

**Arch Aluminum & Glass Co. Inc.**

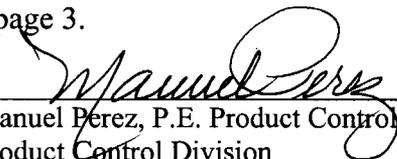
**ACCEPTANCE No.:** 00-0630.02

**APPROVED** : SEP 21 2000

**EXPIRES** : October 13, 2002

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

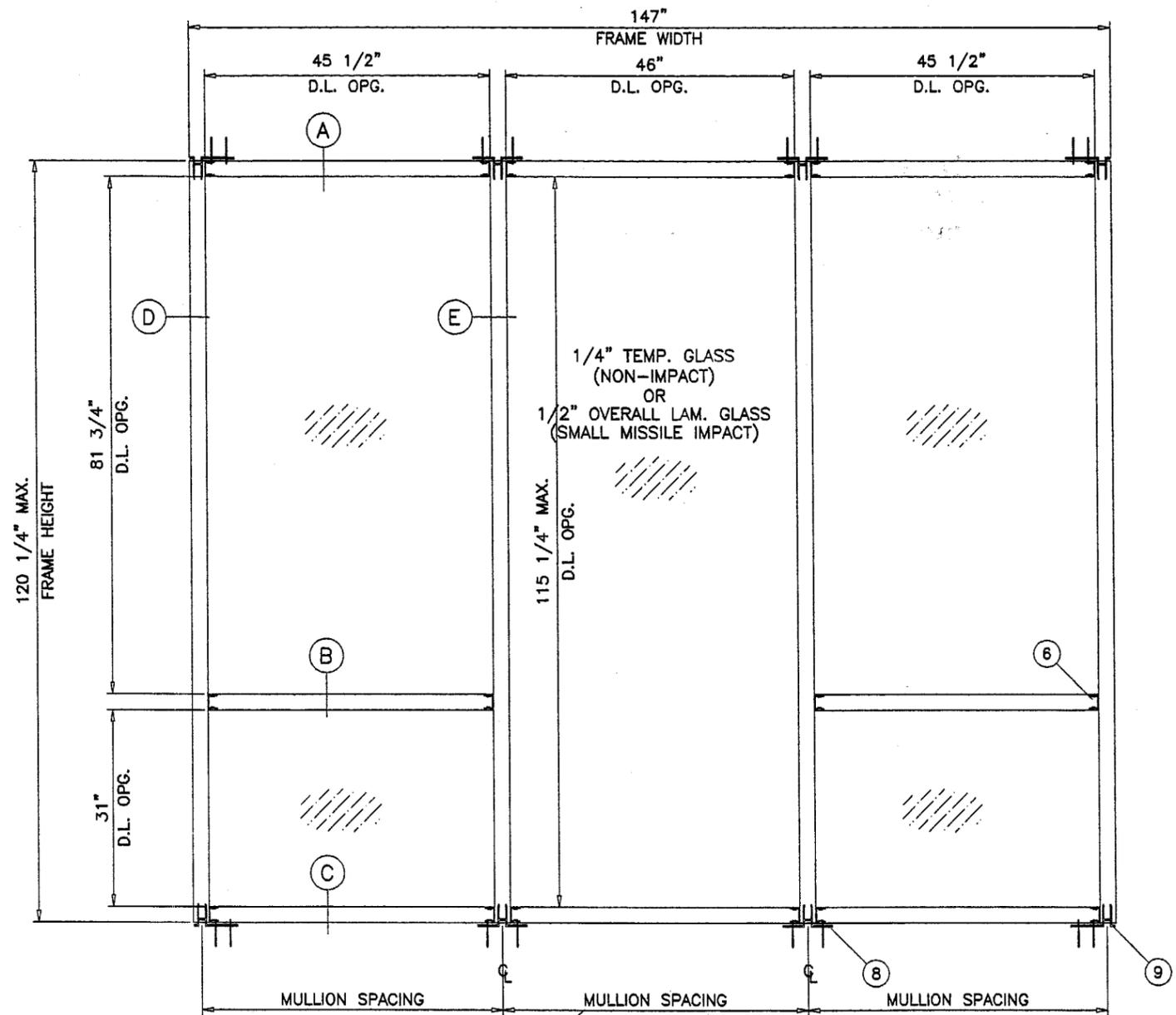
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", 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 purpose.
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.

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

**END OF THIS ACCEPTANCE**

SERIES PBS-383 CURTAIN WALL/WINDOW WALL SYSTEM				
NOMINAL DIMS.		DESIGN LOAD CAPACITY - PSF EXTERIOR (+) AND INTERIOR (-)		
MULL SPACING	FRAME HEIGHT	ANCHOR 'A'	ANCHOR 'B'	ANCHOR 'C' & 'D'
30"	90"	93.4	105.0	105.0
36"		77.9	105.0	105.0
42"		66.7	92.3	105.0
48"		58.4	80.8	105.0
54"		51.9	71.8	105.0
60"	46.7	64.6	105.0	
30"	96"	87.6	105.0	105.0
36"		73.0	101.0	105.0
42"		62.6	86.6	105.0
48"		54.8	75.8	105.0
54"		48.7	67.3	105.0
60"	43.8	60.6	105.0	
30"	102"	82.4	105.0	105.0
36"		68.7	95.1	105.0
42"		58.9	81.5	105.0
48"		51.5	71.3	105.0
54"		45.8	63.4	105.0
30"	108"	77.9	105.0	105.0
36"		64.9	89.8	105.0
42"		55.6	77.0	105.0
48"		48.7	67.3	105.0
54"		43.8	60.6	105.0
30"	114"	73.8	102.1	105.0
36"		61.5	85.1	105.0
42"		52.7	72.9	105.0
48"		46.1	63.8	105.0
54"		43.8	60.6	105.0
30"	120"	70.1	97.0	105.0
36"		58.4	80.8	105.0
42"		50.1	69.3	105.0
48"		43.8	60.6	94.8

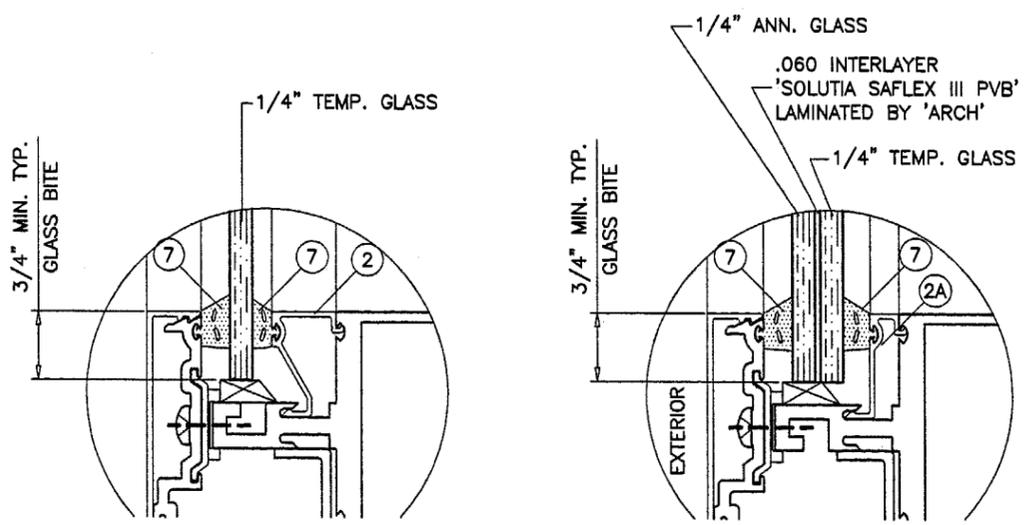
APPROVAL APPLIES TO MULTIPLE UNIT INSTALLATIONS



TYPICAL ELEVATION TESTED UNIT

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.



**1/4" TEMP. GLASS**  
DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR ALL INSTALLATIONS.

**1/2" OVERALL LAMINATED GLASS**  
DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQUIRED FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

GLAZING OPTIONS

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

*[Signature]*

SEP 6 2000

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE September 23, 2000  
BY Manuel J. [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0630.02

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
STORE 99-16AA

SERIES PBS-383 CURTAIN WALL/WINDOW WALL SYSTEM  
**ARCH ALUMINUM & GLASS L.C.**  
10200 N.W. 67th street  
TAMARAC, FL. 33321  
TEL. (800) 432-8132 FAX. (954) 724-9293

no.	date	description
A	8.30.99	GENERAL REVISION
B	9.21.99	GENERAL REVISION
C	9.27.99	PRODUCT NAME REV.
D	06.10.00	9/16" GLASS ADDED

revisions:

date: 05-27-99  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no. **99-16**  
sheet 1 of 4

MATERIALS LIST					
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	38309	AS REQD.	FRAME HEAD/SILL/JAMB/MULLION	6063-T6	ARCH ALUMINUM
2	38331	AS REQD.	GLAZING ADAPTER (1/4" GLASS)	6063-T5	ARCH ALUMINUM
2A	38332	AS REQD.	GLAZING ADAPTER (9/16" GLASS)	6063-T5	ARCH ALUMINUM
3	38324	AS REQD.	END PRESSURE PLATE	6063-T5	ARCH ALUMINUM
4	38364	AS REQD.	CENTER PRESSURE PLATE	6005-T6	ARCH ALUMINUM
5	-	AS REQD.	SNAP IN COVER	6063-T6	ARCH ALUMINUM
6	38365	1/ HORIZ. CORNER	SHEAR BLOCK	6063-T5	ARCH ALUMINUM
7	05481-47	AS REQD.	GLAZING GASKET	EPDM	-
8	38395	1/ END	'H' ANCHOR CLIP AT CENTER MULLION	6005-T6	ARCH ALUMINUM
9	38396	1/ END	'F' ANCHOR CLIP AT END MULLION	6005-T6	ARCH ALUMINUM
10	BN0812	AS REQD.	SETTING BLOCK AT QUARTER POINTS	EPDM DUR. 90±5	.63" X .61" X 4" LONG
11	-	-	-	-	-
12	1/4-20 X 5/8"	AS REQD.	PRESSURE PL. SCREWS	-	AT 4" FROM ENDS & 8" O.C.
13	1/4-20 X 5/8"	2/ CLIP	SHEAR BLOCK SCREWS	-	PHMS
14	#12-24 X 3/4"	2/ CLIP	SHEAR BLOCK SCREWS	-	FHMS

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

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

**ANCHOR 'A'**

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE  
# 14 SMS WITH 1-1/2" MIN. EMBED INTO WOOD

**ANCHOR 'B'**

THRU 1BY WOOD BUCKS INTO MASONRY  
1/4" TAPCONS (ELCO OR EQUIV.) WITH 1-1/4" MIN. EMBED INTO MASONRY

**ANCHOR 'C'**

DIRECTLY INTO MASONRY  
1/4" TAPCONS (ELCO OR EQUIV.) WITH 1-1/4" MIN. EMBED INTO MASONRY

**ANCHOR 'D'**

INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICKNESS)  
# 14 SMS OR 1/4" SELF DRILLING SCREWS

**SEALANTS:**

PRESSURE PLATE TO GLASS, PRESSURE PLATE FASTENERS, MULLION AND FRAME CORNER SEAMS ON INTERIOR AND EXTERIOR TO BE SEALED WITH SILICONE.

**NOTE:**

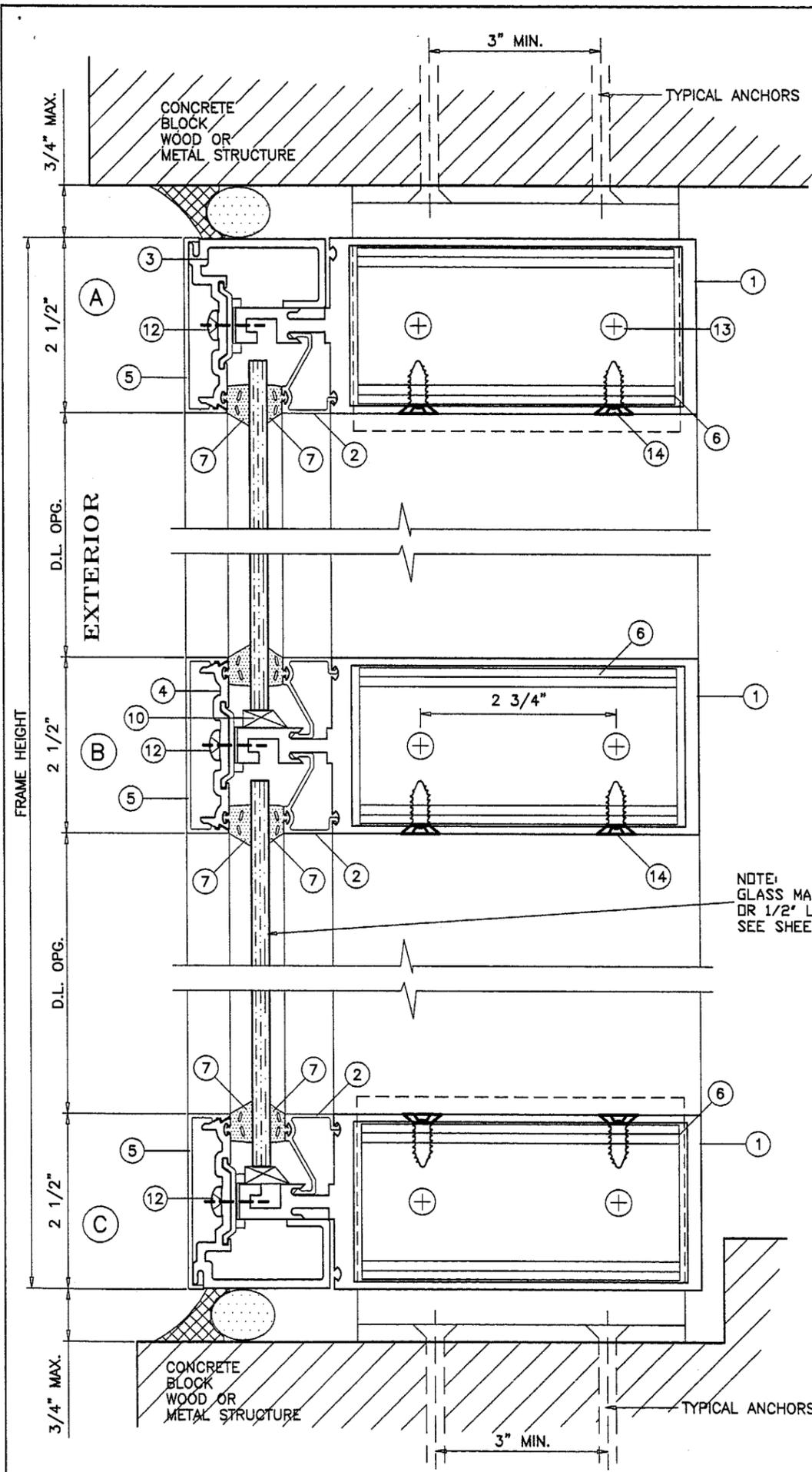
PERIMETER INSTALLATIONS MAY BE TO WOOD, WOOD BUCKS, DIRECTLY TO MASONRY OR METAL STRUCTURES USING ANCHORS AS DESCRIBED ABOVE.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE: *September 25, 2000*  
BY: *Muhammad*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *00-063002*

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

SEP 6 2000

METAL STRUCTURE (1/8" MIN. THICKNESS) MUST SUPPORT LOADS IMPOSED BY GLAZING SYS. AND TRANSFER THEM TO BLDG. STRUCTURE



NOTE:  
GLASS MAY BE 1/4" TEMPERED (SHOWN)  
OR 1/2" LAMINATED  
SEE SHEET 1 FOR DETAILS

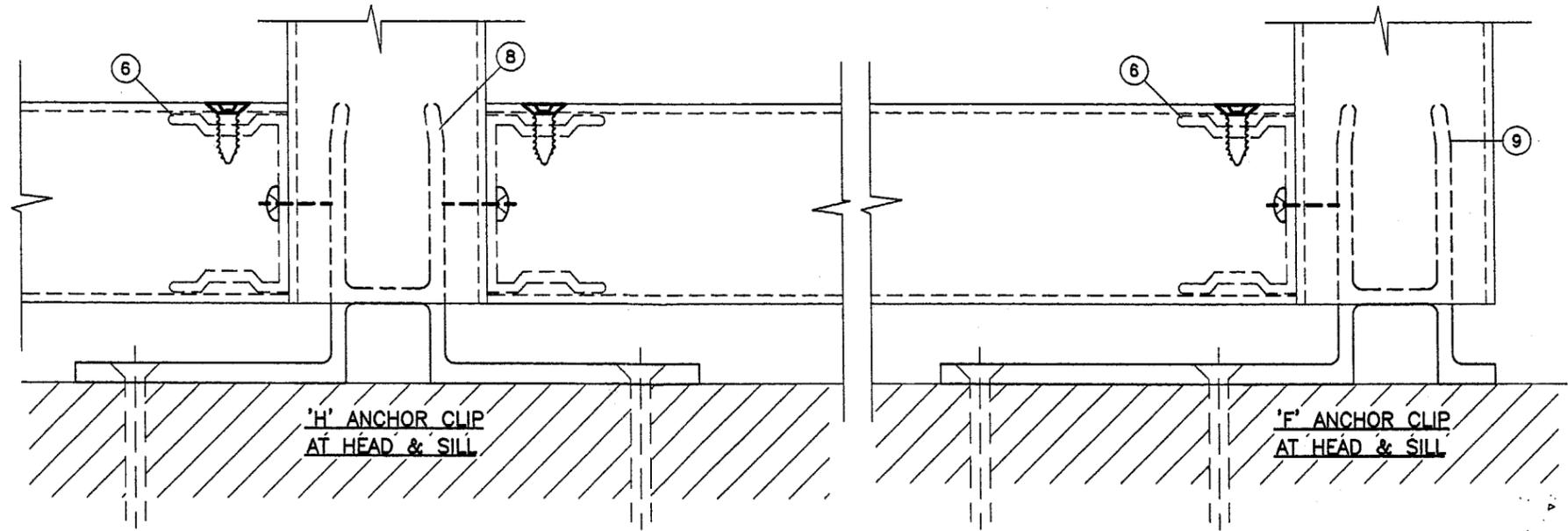
**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
STORE 99-16AA

SERIES PBS-383 CURTAIN WALL/WINDOW WALL SYSTEM  
**ARCH ALUMINUM & GLASS L.C.**  
10200 N.W. 67th street  
TAMARAC, FL. 33321  
TEL. (800) 432-8132 FAX. (954) 724-9293

no	date	description

date: 05-27-99  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

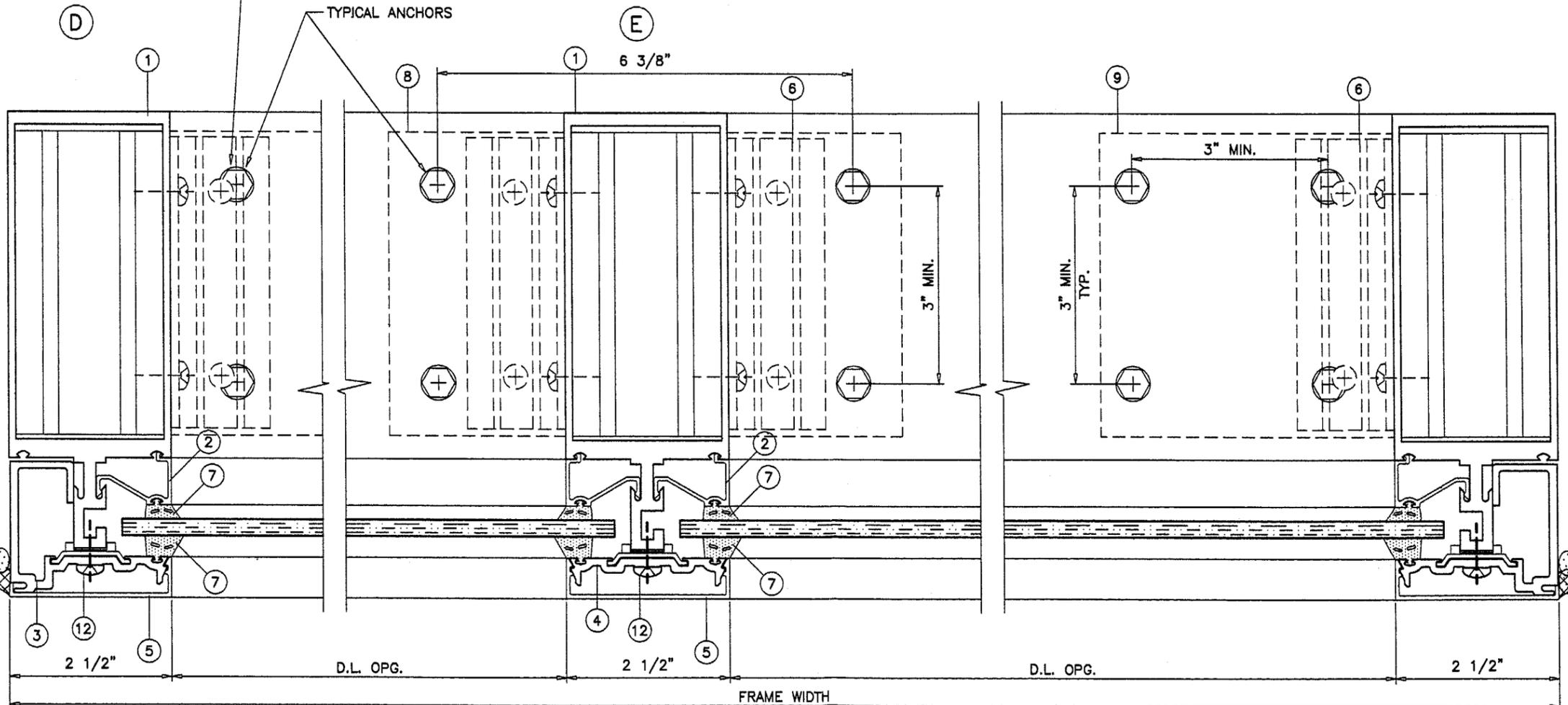
drawing no.  
**99-16**  
sheet 2 of 4



SEE OPPOSITE END FOR FULL JAMB ANCHORS

WOOD BUCK FILLER OPTIONAL BY OTHERS

TYPICAL ANCHORS



EXTERIOR

JAMBS ARE DESIGNED TO BE ANCHORED AT TOP AND BOTTOM ONLY

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

SEP 6 2000

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE

DATE: September 24, 2000

BY: *Manuel...*

PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0630.02

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

SERIES PBS-383 CURTAIN WALL/WINDOW WALL SYSTEM

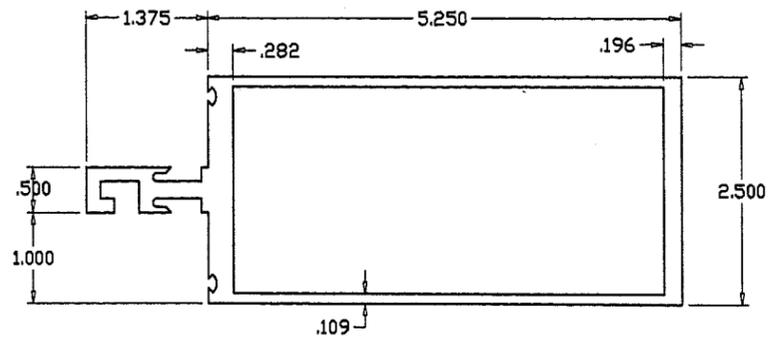
**ARCH ALUMINUM & GLASS L.C.**  
10200 N.W. 67th street  
TAMARAC, FL. 33321  
TEL. (800) 432-8132 FAX. (954) 724-9293

revisions:	no	date	by	description

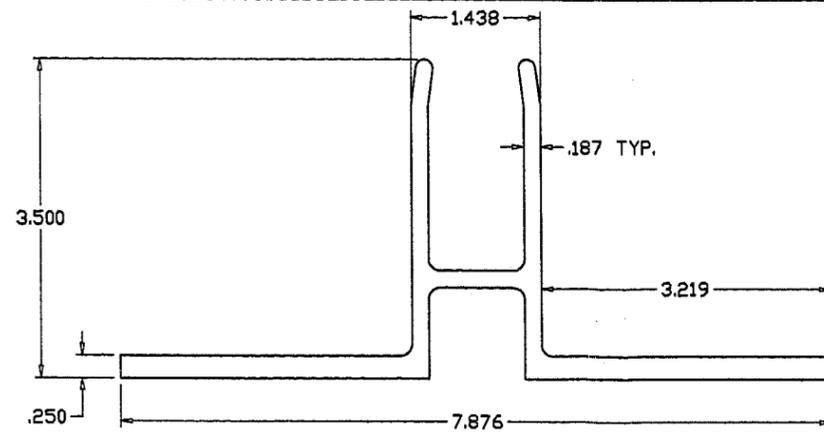
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dr. by: HAMID  
chk. by:

drawing no.  
**99-16**  
sheet 3 of 4

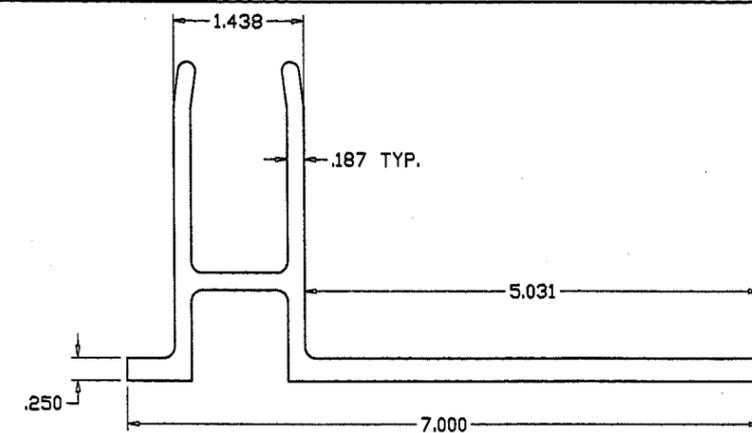
STORE 99-16AA



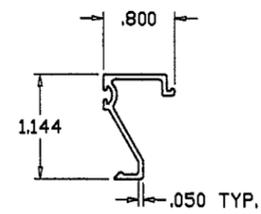
FRAME HEAD/SILL/JAMB/MULLION # 38309



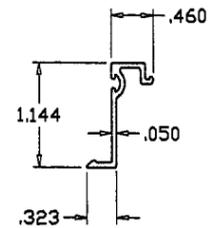
'H' ANCHOR CLIP # 38395



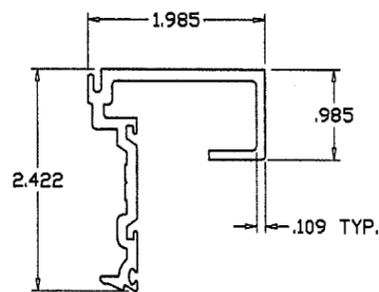
'F' ANCHOR CLIP # 38396



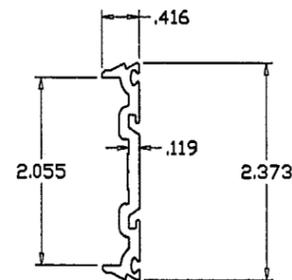
GLAZING BEAD # 38331  
(1/4" GLASS)



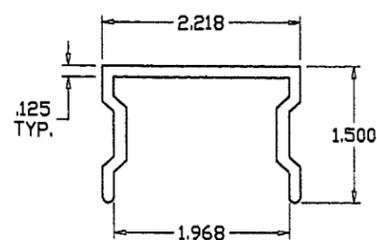
GLAZING BEAD # 38332  
(9/16" GLASS)



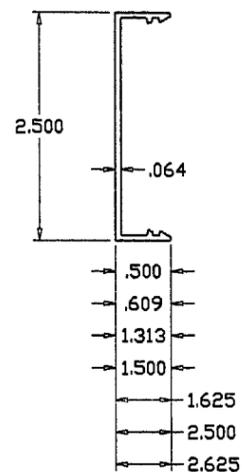
PRESSURE BAR # 38324



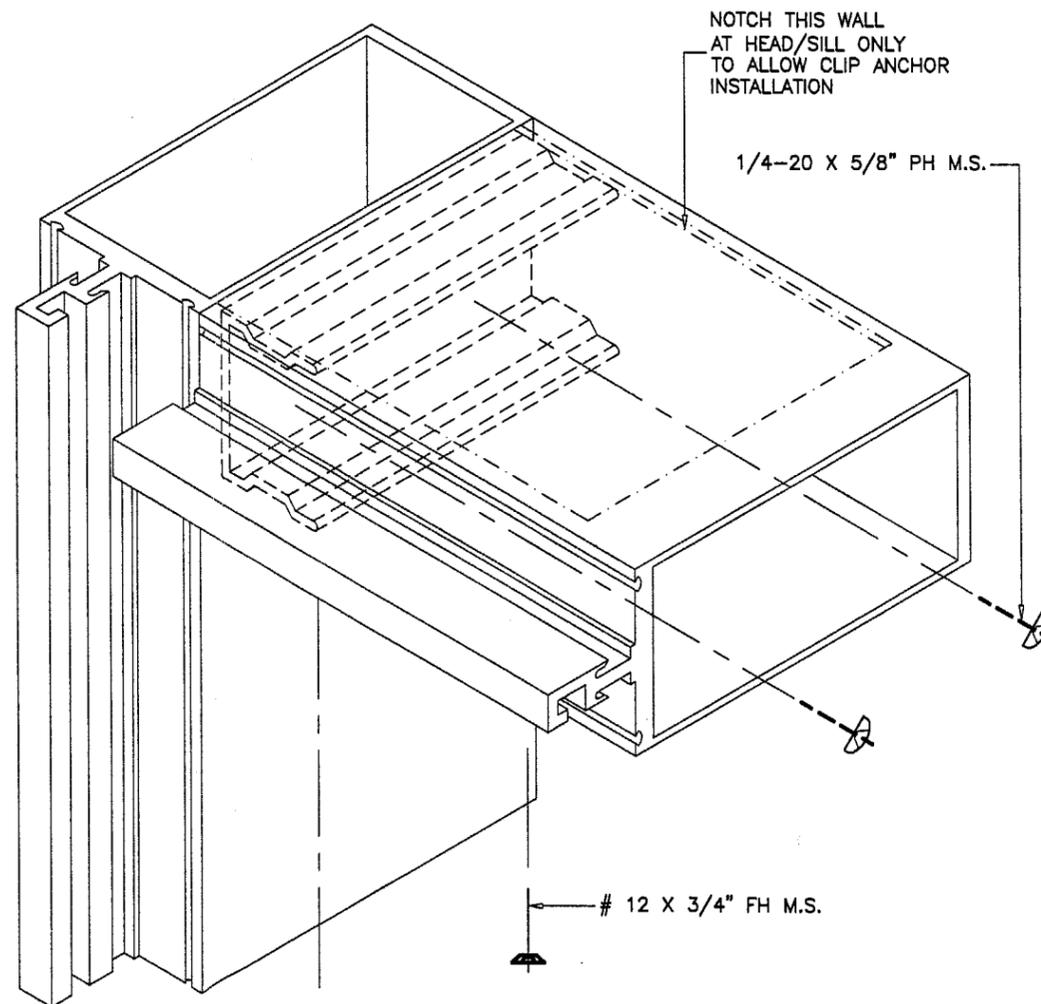
PRESSURE BAR # 38364



SHEAR BLOCK # 38355



SNAP IN COVERS



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

SEP 6 2000

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE September 26, 2000  
BY Maameh Suley  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0630-02

afc

AL-FAROOQ CORPORATION  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
STORE\99-16AA

SERIES PBS-383 CURTAIN WALL/WINDOW WALL SYSTEM  
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TEL. (800) 432-8132 FAX. (954) 724-9293

revisions:	no	date	by	description

date: 05-27-99  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
99-16

sheet 4 of 4