



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 S-3000 Aluminum Window Wall System -Small Missile Impact

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.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 00-0630.01
EXPIRES: 05/31/2003

**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: 09/14/2000

Arch Aluminum & Glass Co. Inc.

ACCEPTANCE No.: 00-0630.01

APPROVED : SEP 14 2000

EXPIRES : May 31, 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **renews** the Notice of Acceptance No. 99-0615.03, which was issued on December 24, 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 S-3000 Aluminum Window Wall System-Small Missile Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **99-17**, titled "S-3000 Small Missile Impact Window Wall Sys" Sheets 1 through 3 of 3 dated 05/28/99 revised 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 mullion spacing; for the Design Pressure Rating shown 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): The installation of this unit up to 30 feet above grade, **will require** a hurricane protection system, but for installations above 30 feet above grade **will not require** a hurricane protection system.

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".

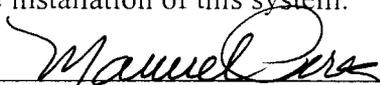
6. BUILDING PERMIT REQUIREMENTS

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.

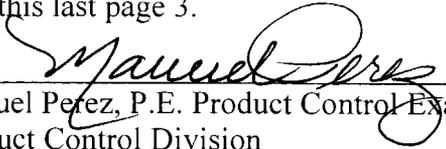
ACCEPTANCE No.: 00-0630.01

APPROVED : SEP 14 2000

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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 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.



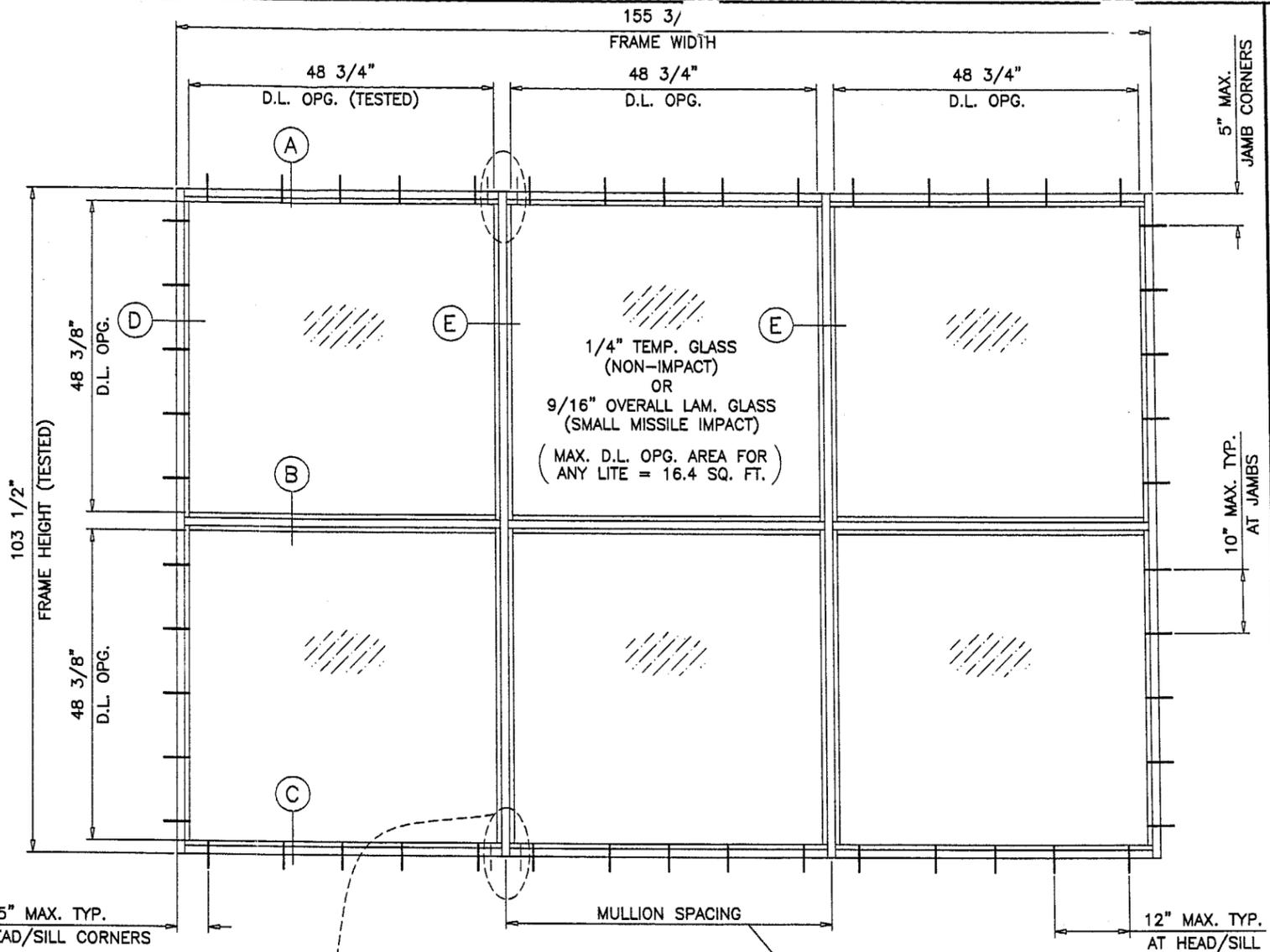
Manuel Perez, P.E. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

DIMENSIONS		SIGN LOAD CAPACITY-PSF			
MULL SPACING	FRAME HEIGHT	1/4" TEMPERED GLASS		9/16" OVERALL LAM. GLASS	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36" 42" 48" 54" 60"	84"	70.0	70.0	70.0	70.0
		70.0	70.0	70.0	70.0
		70.0	70.0	70.0	70.0
		70.0	70.0	70.0	70.0
		70.0	70.0	70.0	70.0
36" 42" 48" 54"	90"	70.0	70.0	70.0	70.0
		70.0	70.0	70.0	70.0
		70.0	70.0	70.0	70.0
		70.0	70.0	70.0	70.0
36" 42" 48" 54"	96"	70.0	70.0	70.0	70.0
		70.0	70.0	70.0	70.0
		70.0	70.0	70.0	70.0
		70.0	70.0	70.0	70.0
36" 42" 48"	102"	70.0	70.0	70.0	70.0
		70.0	70.0	70.0	70.0
		70.0	70.0	70.0	70.0
36" 42" 48"	108"	70.0	70.0	70.0	70.0
		70.0	70.0	70.0	70.0
		66.1	66.1	66.1	66.1

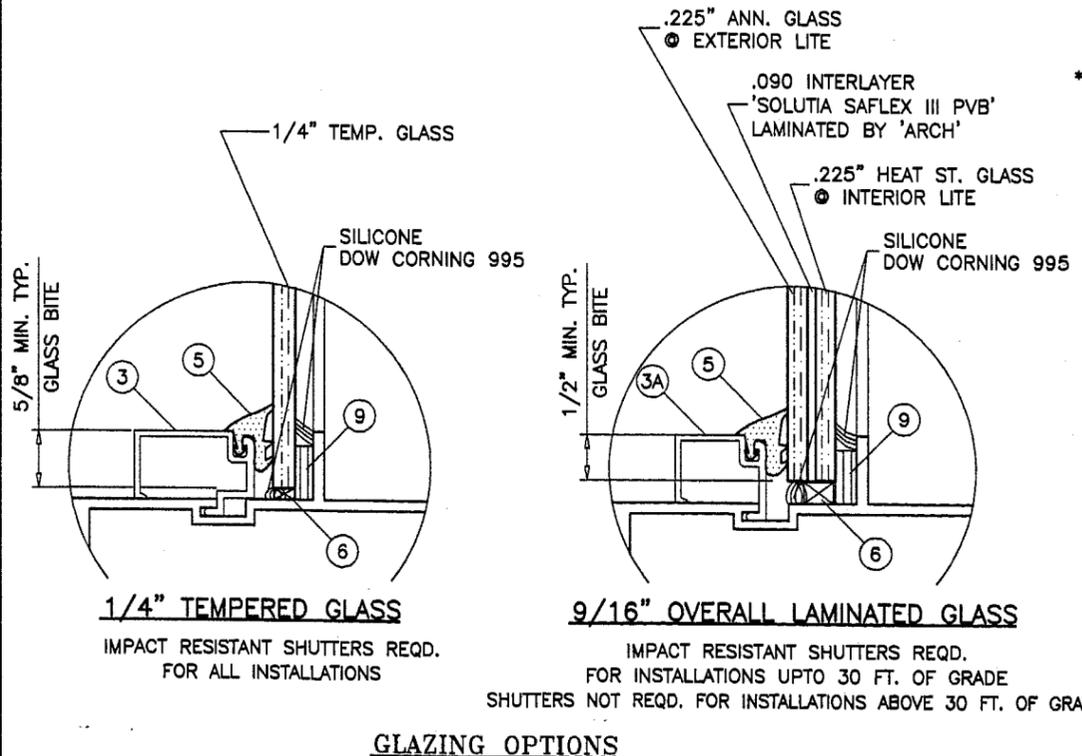
DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQD. FOR ALL INSTALLATIONS.

DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQD. FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.



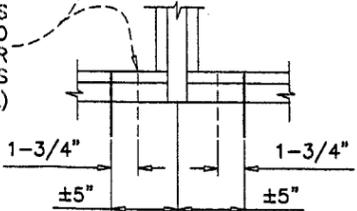
TYPICAL ELEVATION TESTED UNIT

48" MAX. FOR 108" SPANS (HEIGHT)
UPTO 60" MAX. FOR 84" SPANS
(SEE CHART)



GLAZING OPTIONS

* THESE (2) ADDITIONAL ANCHORS REQD. AT MULLION SIDES FOR INSTALLATIONS INTO WOOD STRUCTURE OR THRU WOOD BUCKS (HEAD & SILL)



NOTES:

- 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.
- 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.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE September 14, 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0630.01

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557
JUN 15 2000

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE 99-17AA

S-3000 WINDOW WALL SYSTEM
ARCH ALUMINUM & GLASS L.C.
10200 N.W. 67th street
TAMARAC, FL. 33321
TEL. (800) 432-8132 FAX. (954) 724-9293

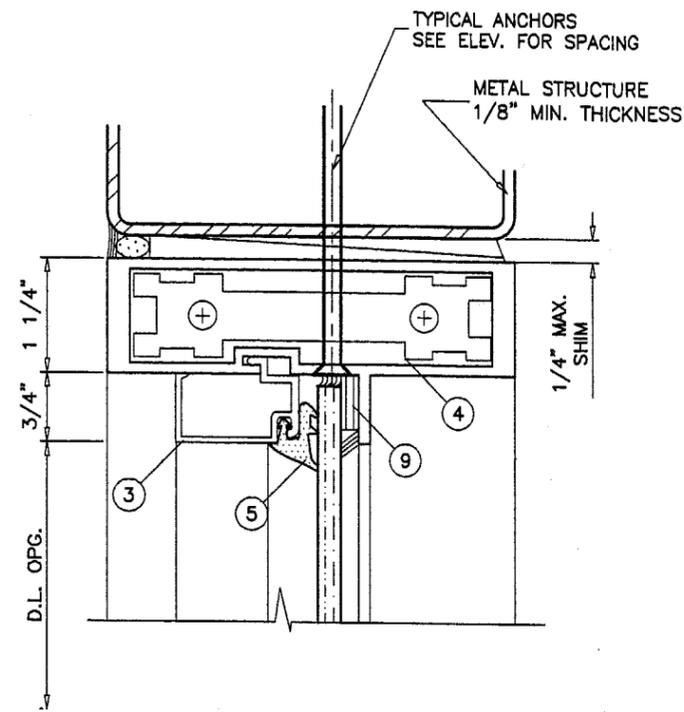
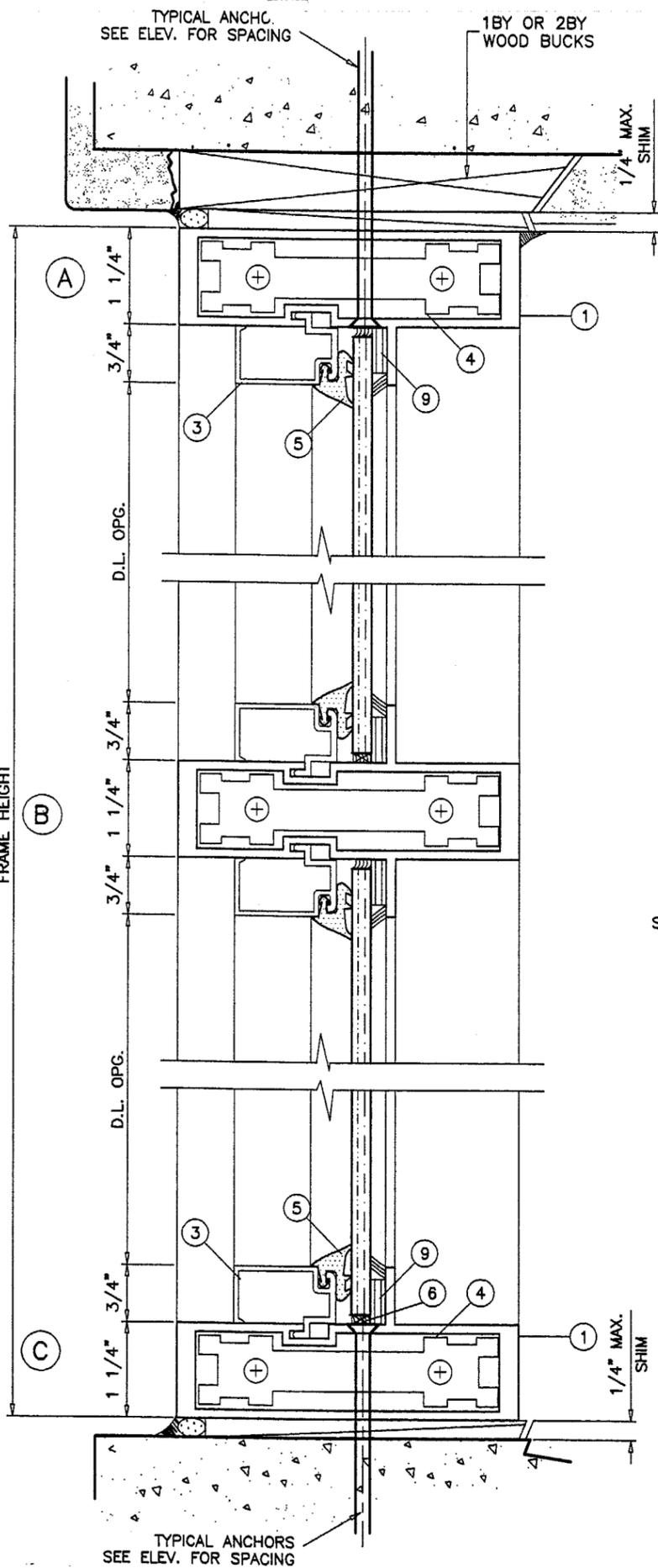
no.	date	description
A	8.20.99	GENERAL REVISION
B	11.12.99	MULL SPACE & METAL SPECIF.
C	06.10.00	9/16" GLASS ADDED

date: 05-28-99
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no. **99-17**
sheet 1 of 3

00-0630.01

EXTERIOR OR INTERIOR
FRAME HEIGHT

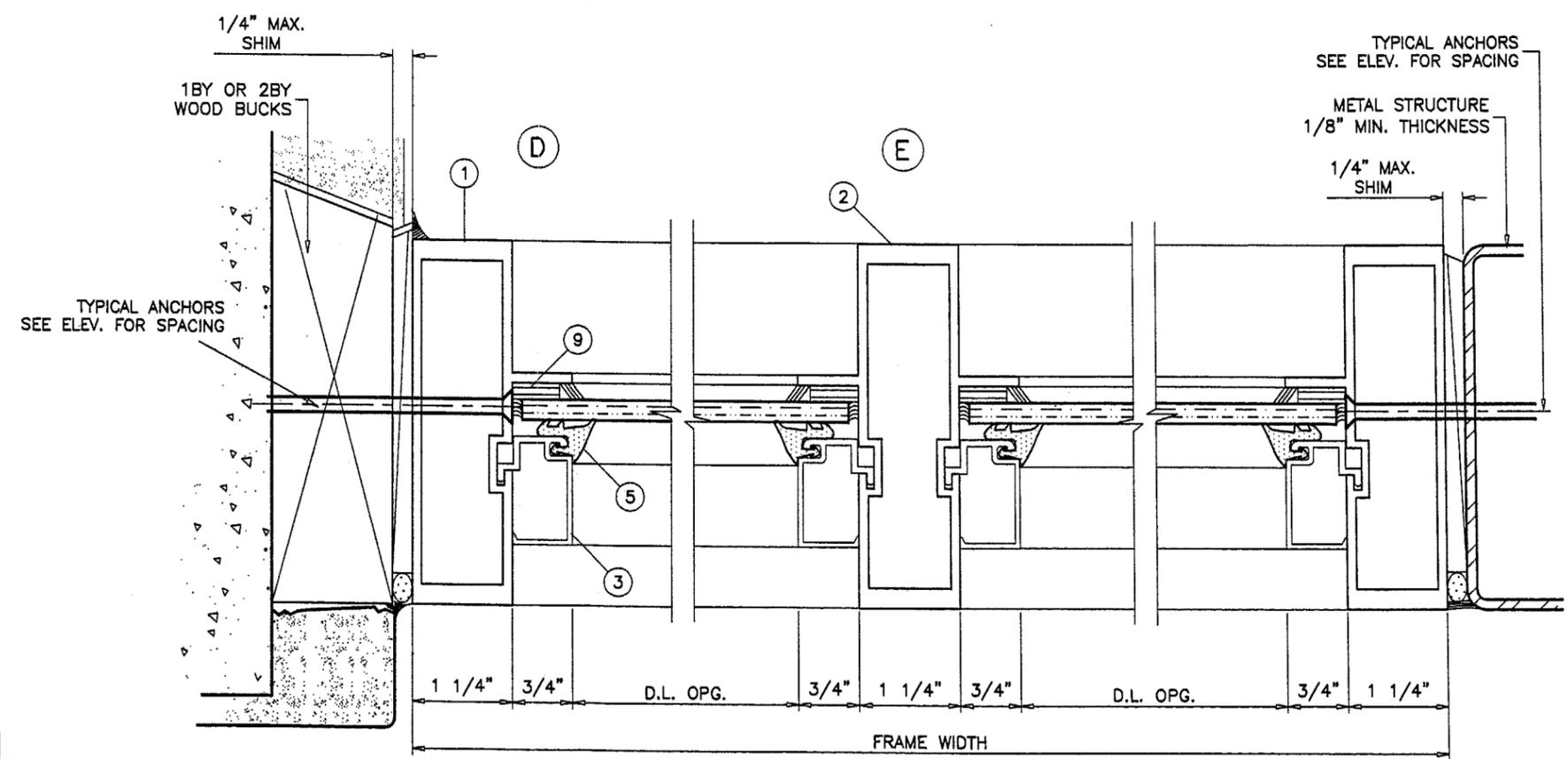


WOOD BUCKS NOT BY ARCH ALUM, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 # 1/4" DIA. TAPCONS WITH 1-1/2" MIN. EMBED INTO WOOD
 THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
 1/4" TAPCONS (ELCO OR EQUIV.) WITH 1-1/4" MIN. EMBED INTO MASONRY
 INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICKNESS)
 1/4" DIA. SELF DRILLING SCREWS
 STEEL : Fy = 36 KSI MIN.
 ALUMINUM : 6063-T5 MIN.

SEALANTS:
 GLAZING BEAD AT FRAME SILL SEALED TO GLASS WITH DOW CORNING 995.
 FRAME CORNERS SEALED WITH DOW CORNING 999.

NOTE: SYSTEM CAN BE INSTALLED INSIDE OR OUTSIDE GLAZED.



NOTE:
 GLASS MAY BE 1/4" TEMPERED (SHOWN)
 OR 9/16" LAMINATED
 SEE SHEET 1 FOR DETAILS

EXTERIOR OR INTERIOR

Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 JUN 15 2000

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE September 14, 2000
 BY *Manuel...*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0630.01

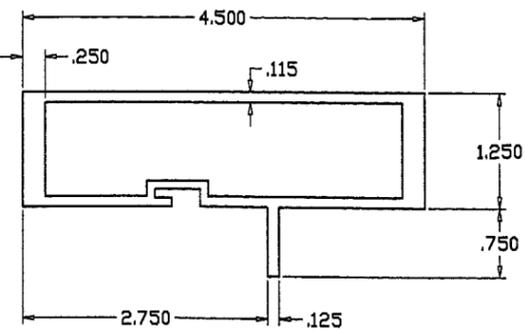
AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
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 TEL. (305) 264-8100 FAX. (305) 262-6978
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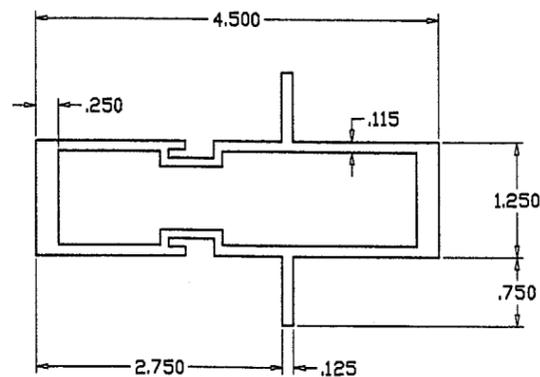
no	date	by description

date: 05-28-99
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

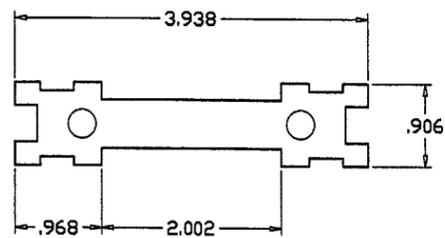
drawing no.
99-17
 sheet 2 of 3



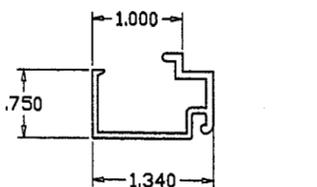
FRAME HEAD/SILL/JAMB



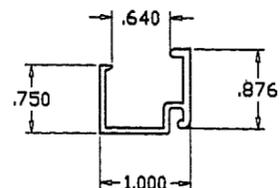
FRAME INTERMEDIATE MULLION



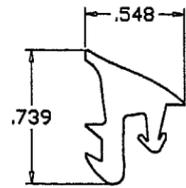
SHEAR BLOCK



GLAZING STOP (1/4" GLASS)

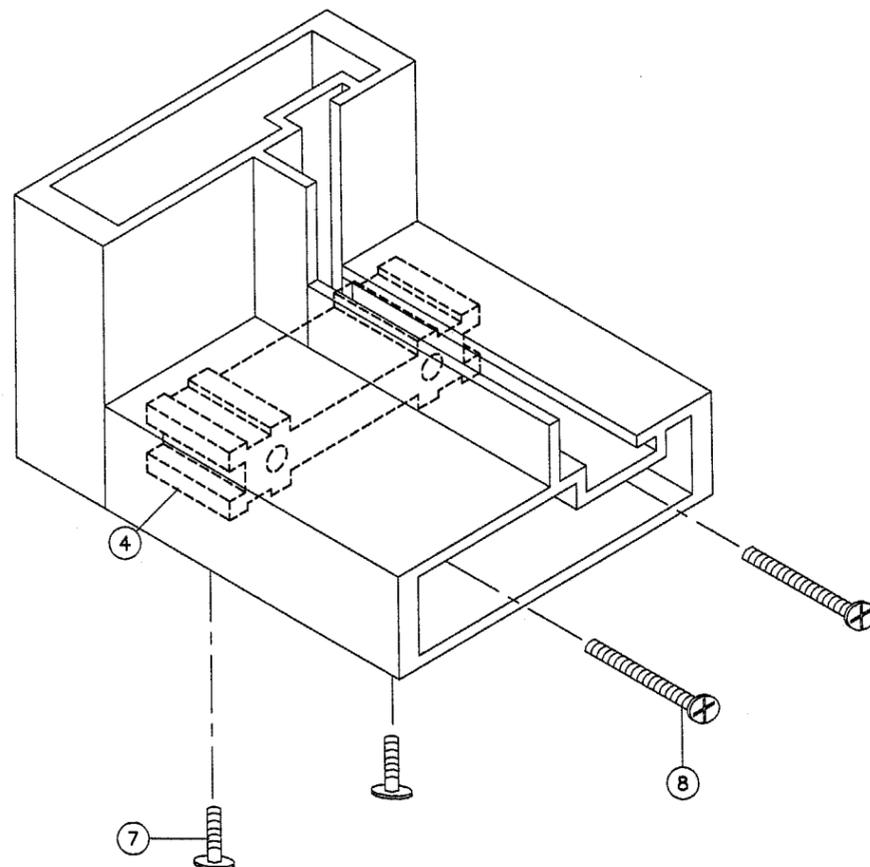


GLAZING STOP (9/16" GLASS)



WEDGE-IN GASKET

MATERIALS LIST					
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	3001	AS REQD.	FRAME HEAD/SILL/JAMB	6063-T6	ARCH ALUM & GLASS CO.
2	3002	AS REQD.	INTERMEDIATE MULLION	6063-T6	ARCH ALUM & GLASS CO.
3	3007	AS REQD.	GLAZING STOP (1/4" GLASS)	6063-T6	ARCH ALUM & GLASS CO.
3A	3003	AS REQD.	GLAZING STOP (9/16" GLASS)	6063-T6	ARCH ALUM & GLASS CO.
4	AR-3004	1/ CORNER	SHEAR BLOCK	6063-T5	-
5	H-63	AS REQD.	GLAZING GASKET	EPDM 70 ±5	UNIVERSAL RUBBER CO.
6	H-62C	AS REQD.	SETTING BLOCK	EODM 70 ±5	UNIVERSAL RUBBER CO.
7	#12-24 X 3/4"	2/ CONER	FLAT HEAD THREAD CUTTING SCREWS	-	-
8	1/4-20 X 1-1/2"	2/ CORNER	PAN HEAD MACHINE SCREWS	-	-
9	V2100	-	ADHESIVE FOAM TAPE	-	NORTON



FRAME CORNER
HEAD & SILL
INTER. HORIZ. MULLION

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

Handwritten signature
JUN 15 2000

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *September 14, 2000*
BY *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-063001*

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revisions:	
no	date by description

date: 05-28-99
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
99-17
sheet 3 of 3