



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Owen International Inc.
2360 W. 77th St.
Hialeah FL 33016

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

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

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

Your application for Product Approval of:

Series 2600 Aluminum Curtain Wall/Storefront System - 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 approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime 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 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.: 99-1116.03

Expires: 04/14/2003

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 Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Office

Approved: 04/14/2000

1 of 3



Owen International, Inc.

ACCEPTANCE No.: 99-1116.03

APPROVED : APR 14 2000

EXPIRES : APR 14 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This approves an aluminum curtain wall/storefront 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 2600 Aluminum Curtain Wall/Storefront System - Large Missile Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **99-23**, titled "Store-Front/Curtain Wall System" Sheets 1 through 5 of 5 dated 09/15/99, with revision A dated 3/22/00, 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 multiple unit applications of an aluminum curtain wall/storefront system, limited only to the maximum height (span) and mullion spacing; for the Design Pressure Rating shown approved drawing.

4. INSTALLATION

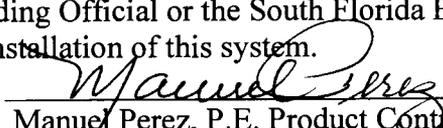
- 4.1 The aluminum curtain wall/storefront system and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

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 The Notice of Acceptance of storefront door attached to the curtain wall. (If applicable)
- 6.1.3 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.
- 6.1.4 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

Owen International, Inc.

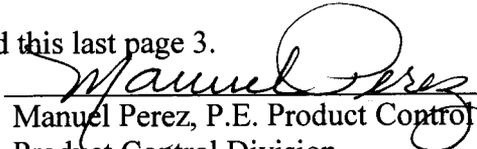
ACCEPTANCE No.: 99-1116.03

APPROVED : APR 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

STORE-FRONT/CURTAIN WALL SYSTEM WITH BRACE					
NOMINAL DIMS.				DESIGN LOAD CAPACITY-PSF	
MULL SPACING	FRAME HEIGHT	LONG SPAN	SHORT SPAN	EXT. (+)	INT. (-)
36"	156"	96"	60"	76.0	76.0
42"				76.0	76.0
48"				76.0	76.0
36"	156"	102"	54"	76.0	76.0
42"				76.0	76.0
48"				76.0	76.0
36"	156"	108"	48"	76.0	76.0
42"				76.0	76.0
48"				76.0	76.0
36"	156"	114"	42"	76.0	76.0
42"				76.0	76.0
48"				76.0	76.0
36"	156"	120"	36"	76.0	76.0
42"				76.0	76.0
48"				66.8	66.8

APPROVAL APPLIES TO MULTIPLE UNIT INSTALLATIONS

MAX. DESIGN LOAD = + 76.0 PSF
- 76.0 PSF

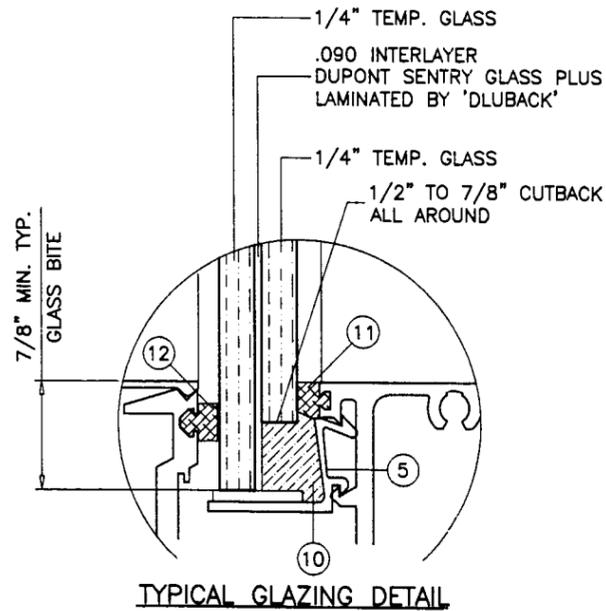
MAX. UNIT HEIGHT (SPAN) = 156 IN. (WITH BRACE)
MAX. UNIT HEIGHT (SPAN) = 120 IN. (WITHOUT BRACE)
MAX. INTERMEDIATE MULLION SPACING = 48"
MAX. GLASS AREA = 26.68 SQ. FT.

CURTAIN WALL SYSTEM IS DESIGNED TO BE ANCHORED AT TOP AND BOTTOM ONLY.

HEAD INSTALLATIONS CAN BE WITH (A) OR WITHOUT (A) CLIP ANGLES ALT.

LARGE MISSILE IMPACT RESISTANT SYSTEM
SHUTTERS NOT REQUIRED.

STORE-FRONT/CURTAIN WALL SYS. WITHOUT BRACE			
NOMINAL DIMS.		DESIGN LOAD CAPACITY-PSF	
MULL SPACING	FRAME HEIGHT	EXT. (+)	INT. (-)
24"	72"	76.0	76.0
30"		76.0	76.0
36"		76.0	76.0
42"		76.0	76.0
48"		76.0	76.0
24"	84"	76.0	76.0
30"		76.0	76.0
36"		76.0	76.0
42"		76.0	76.0
48"		76.0	76.0
24"	96"	76.0	76.0
30"		76.0	76.0
36"		76.0	76.0
42"		76.0	76.0
48"		76.0	76.0
24"	108"	76.0	76.0
30"		76.0	76.0
36"		76.0	76.0
42"		76.0	76.0
48"		76.0	76.0
24"	114"	76.0	76.0
30"		76.0	76.0
36"		76.0	76.0
42"		76.0	76.0
48"		68.0	68.0
24"	120"	76.0	76.0
30"		76.0	76.0
36"		76.0	76.0
42"		67.0	67.0
48"		58.0	58.0



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. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

~~MAR 22 2000~~

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE April 14, 2000
BY M. H. H. H.
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-1116.03

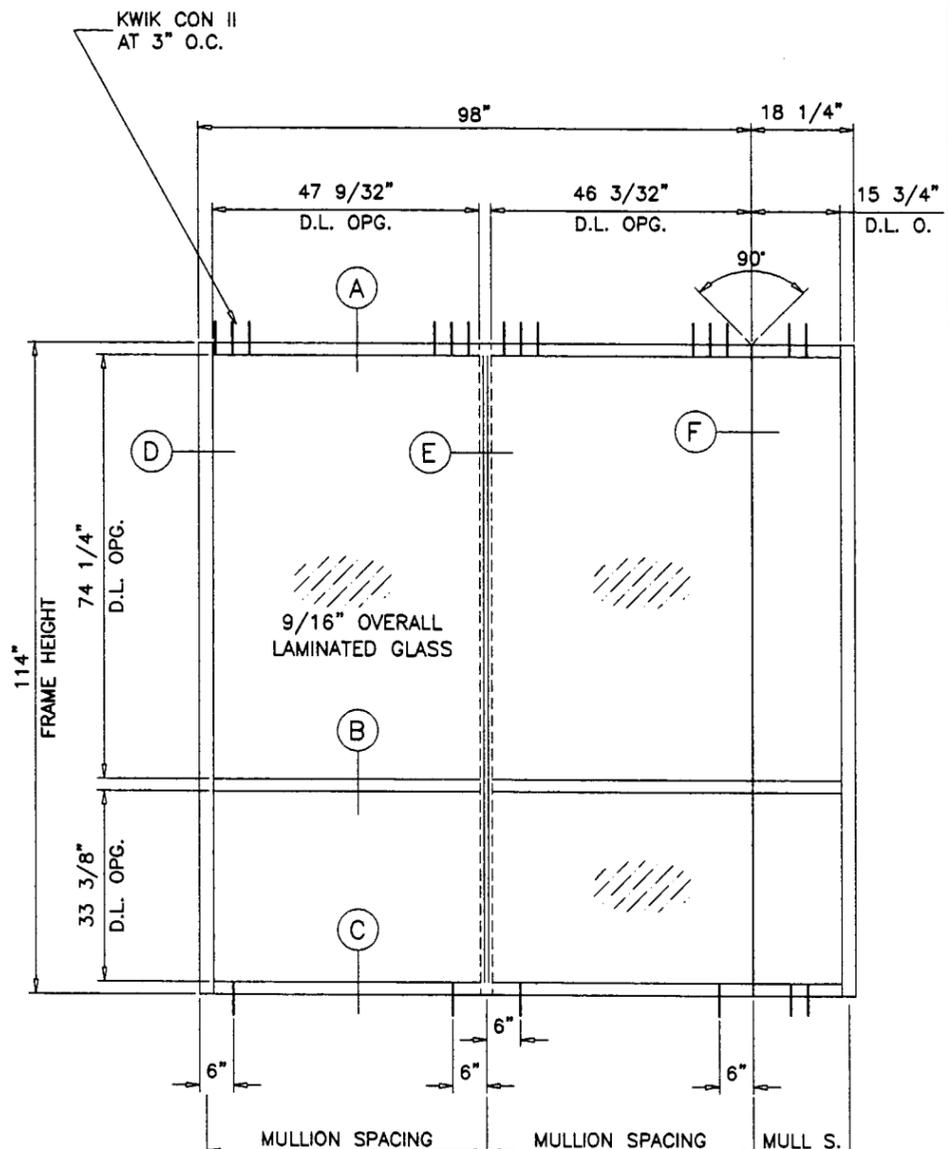
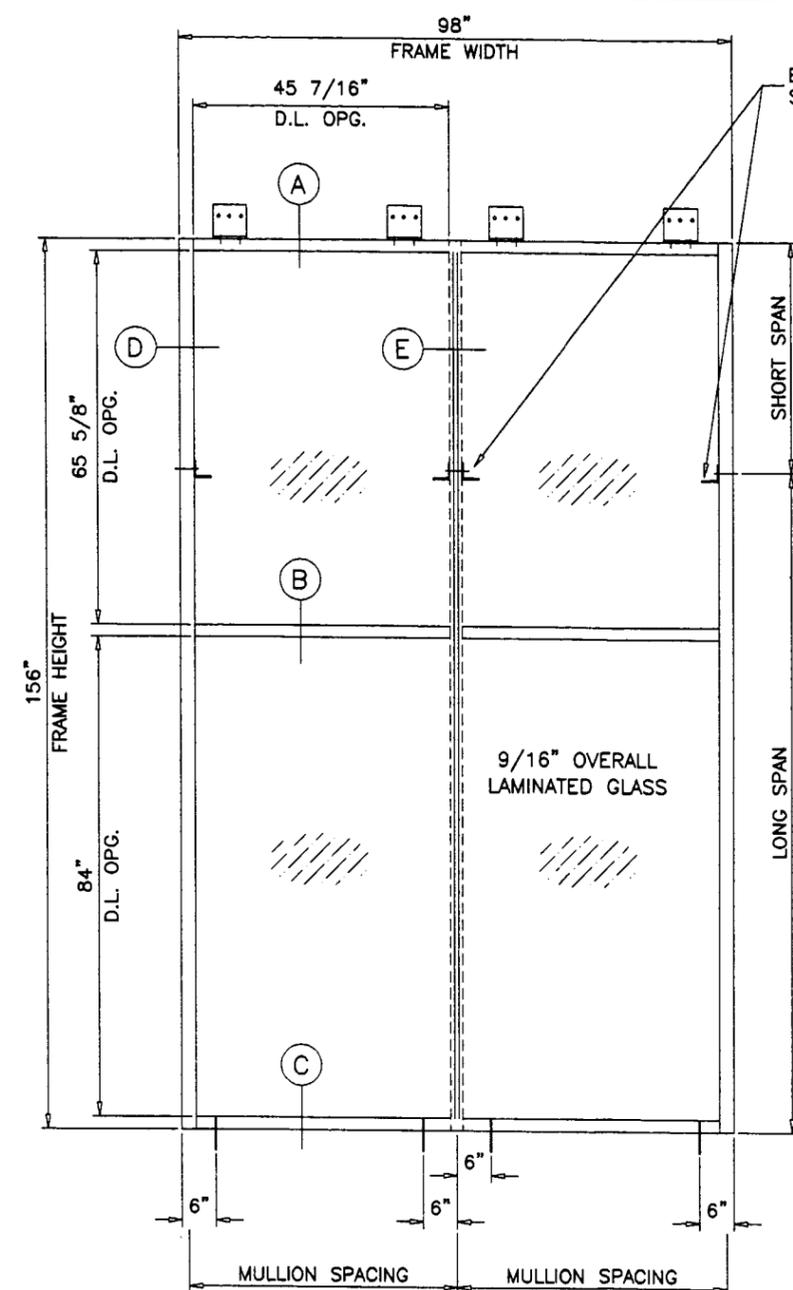
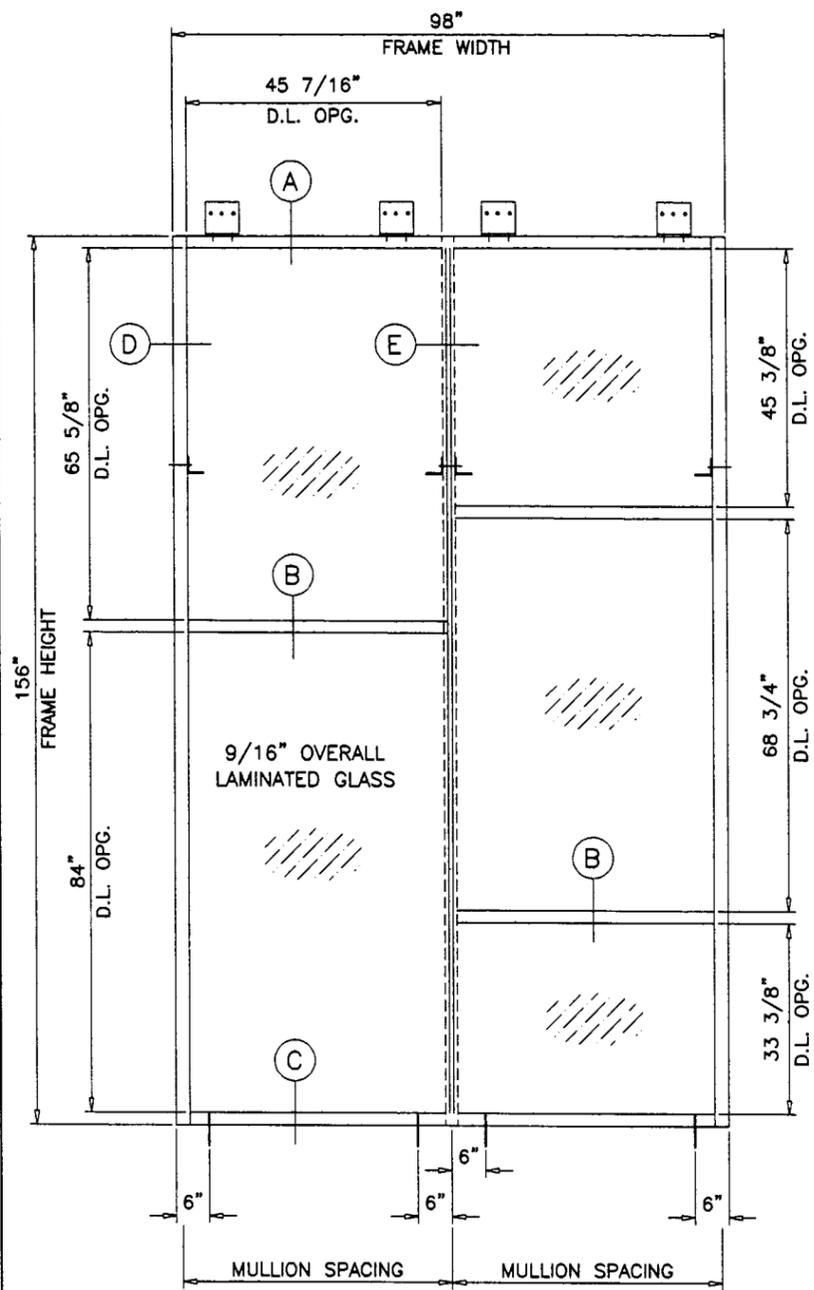
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE 99-2301C

STORE-FRONT/CURTAIN WALL SYSTEM
OWEN INTERNATIONAL INC.
2360 WEST 77 TH ST.
HIALEAH, FL. 33016
TEL. (305) 828-5465 FAX. (305) 828-5965

revisions:	no.	date	by	description
	A	03.22.00		GENERAL REVISION

date: 09-15-99
scale: -
dr. by: HAMID
chk. by:

drawing no.
99-23
sheet 1 of 5



TYPICAL ELEVATION
TESTED UNITS

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

MAR 22 2000

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: April 14, 2000
BY: *Manuel...*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-1116-03

afsc
AL-FAROOQ CORPORATION
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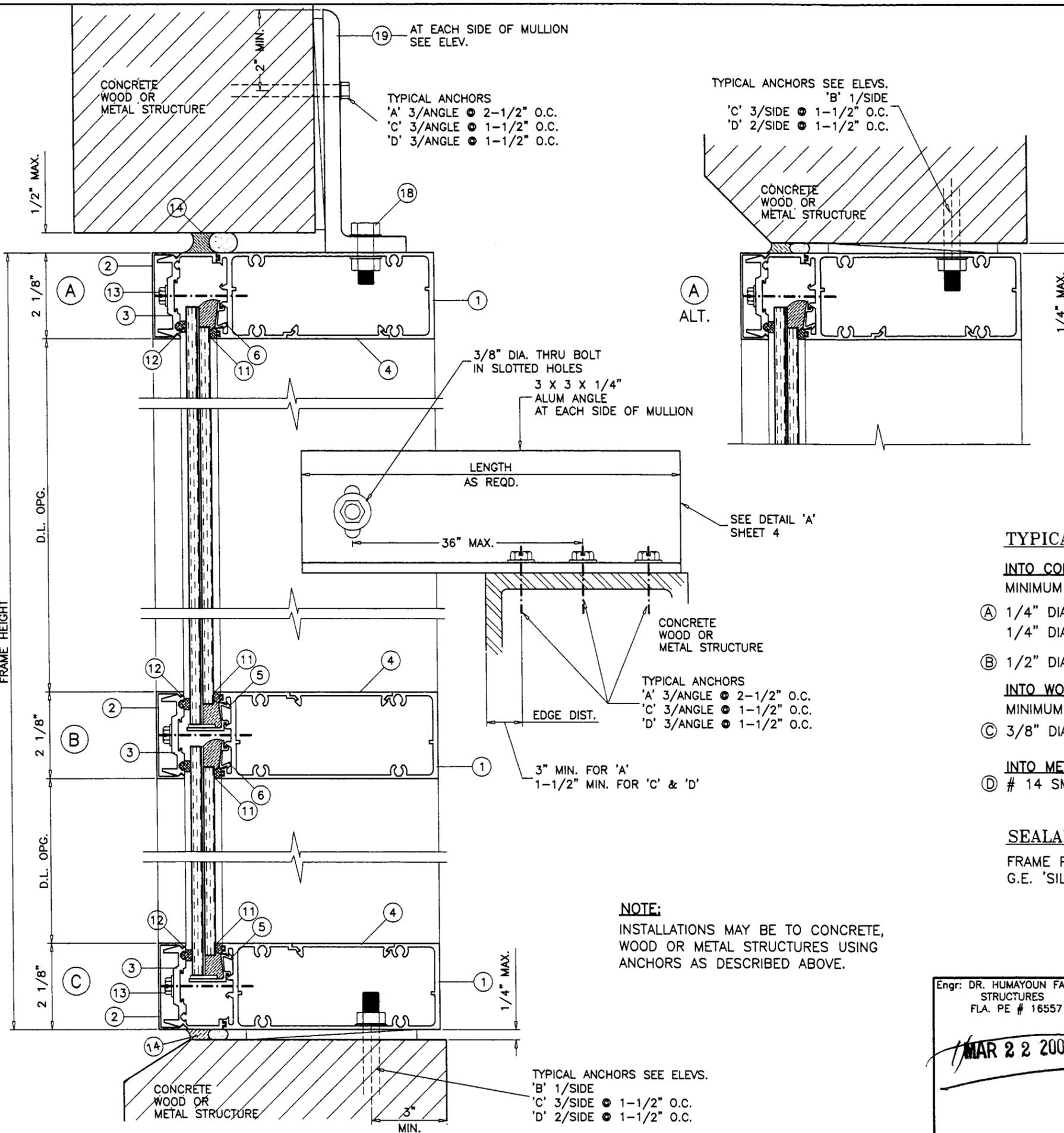
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OWEN INTERNATIONAL INC.
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HIALEAH, FL. 33016
TEL. (305) 828-5465 FAX. (305) 828-5965

no	date	by	description

date: 09-15-99
scale: 3/8"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
99-23
sheet 2 of 5

EXTERIOR
FRAME HEIGHT



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

TYPICAL ANCHORS SEE ELEV.
'B' 1/SIDE
'C' 3/SIDE ● 1-1/2" O.C.
'D' 2/SIDE ● 1-1/2" O.C.

TYPICAL ANCHORS
'A' 3/ANGLE ● 2-1/2" O.C.
'C' 3/ANGLE ● 1-1/2" O.C.
'D' 3/ANGLE ● 1-1/2" O.C.

TYPICAL ANCHORS:

- INTO CONCRETE** 3000 PSI MIN.
MINIMUM EDGE DISTANCE REQD. = 3"
- (A) 1/4" DIA. TAPCONS, WITH 1-3/4" MIN. EMBED.
1/4" DIA. KWIK CON II, WITH 1-1/4" EMBED.
 - (B) 1/2" DIA. RAWL STUDS, WITH 2-1/2" EMBED.
- INTO WOOD STRUCTURE** (SOUTHERN YELLOW PINE S.G. = 0.55)
MINIMUM EDGE DISTANCE REQD. = 1-1/2" (DOUBLE 2BY BUCKS)
- (C) 3/8" DIA. LAG SCREWS, WITH 1-3/4" MIN. EMBED.
- INTO METAL STRUCTURES** (STEEL OR ALUMINUM 1/4" MIN. THICKNESS)
- (D) # 14 SMS OR 1/4" SELF DRILLING SCREWS

SEALANTS:

FRAME PERIMETER SCREWS AND CORNER JOINTS SEALED WITH G.E. 'SILPRUF' SEALANT.

NOTE:
INSTALLATIONS MAY BE TO CONCRETE, WOOD OR METAL STRUCTURES USING ANCHORS AS DESCRIBED ABOVE.

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557
MAR 22 2000

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: April 14, 2000
BY: Manuel Perry
PRODUCT CONTROL DIV: ON
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-1116-03

afj

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE/99-2301C

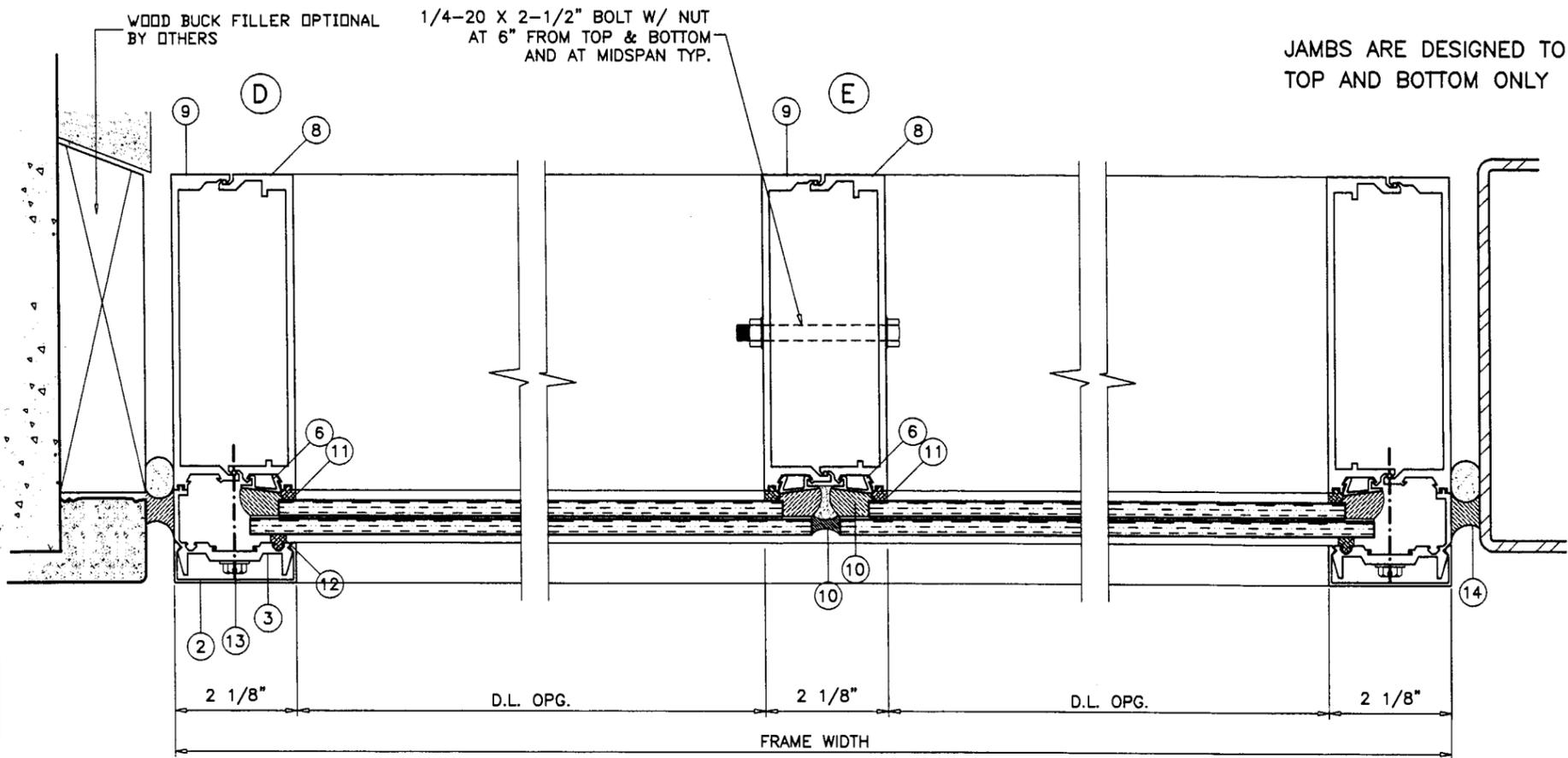
STORE-FRONT/CURTAIN WALL SYSTEM

OWEN INTERNATIONAL INC.
2360 WEST 77 TH ST.
HIALEAH, FL. 33016
TEL. (305) 828-5465 FAX. (305) 828-5965

revisions:	no	date	by	description

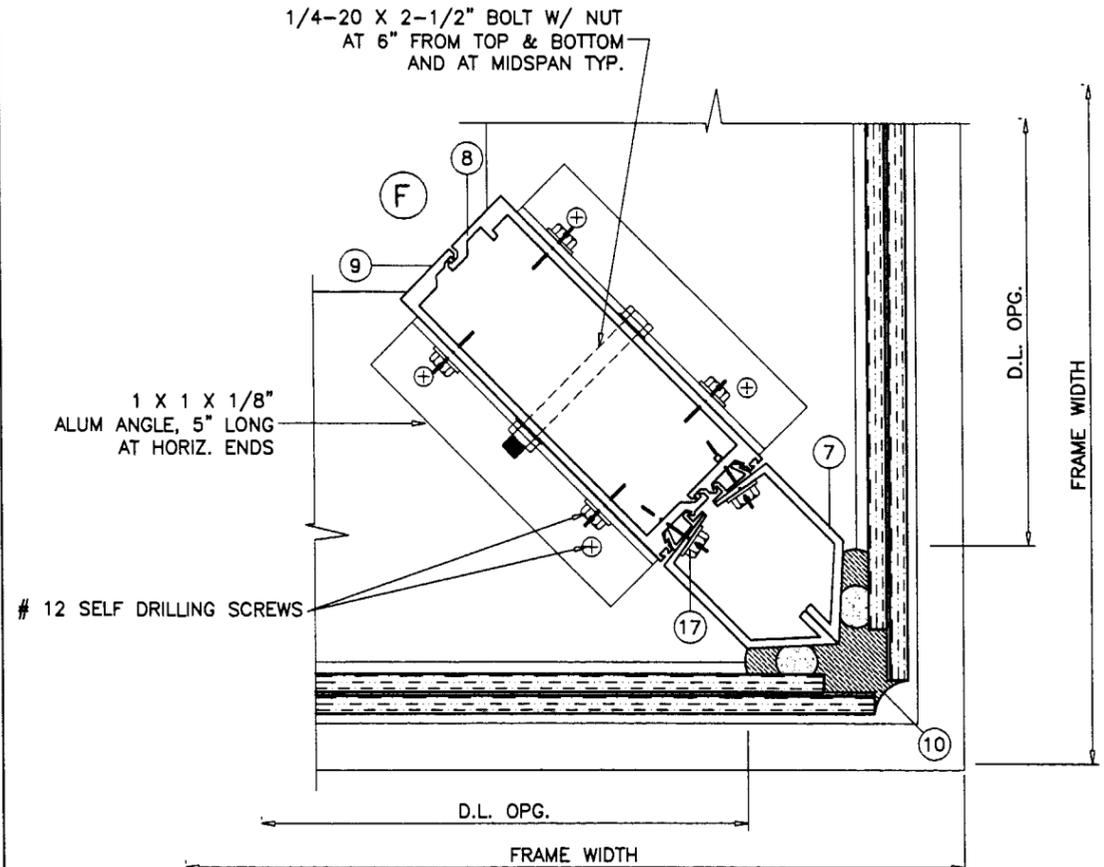
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chk. by:

drawing no.
99-23
sheet 3 of 5



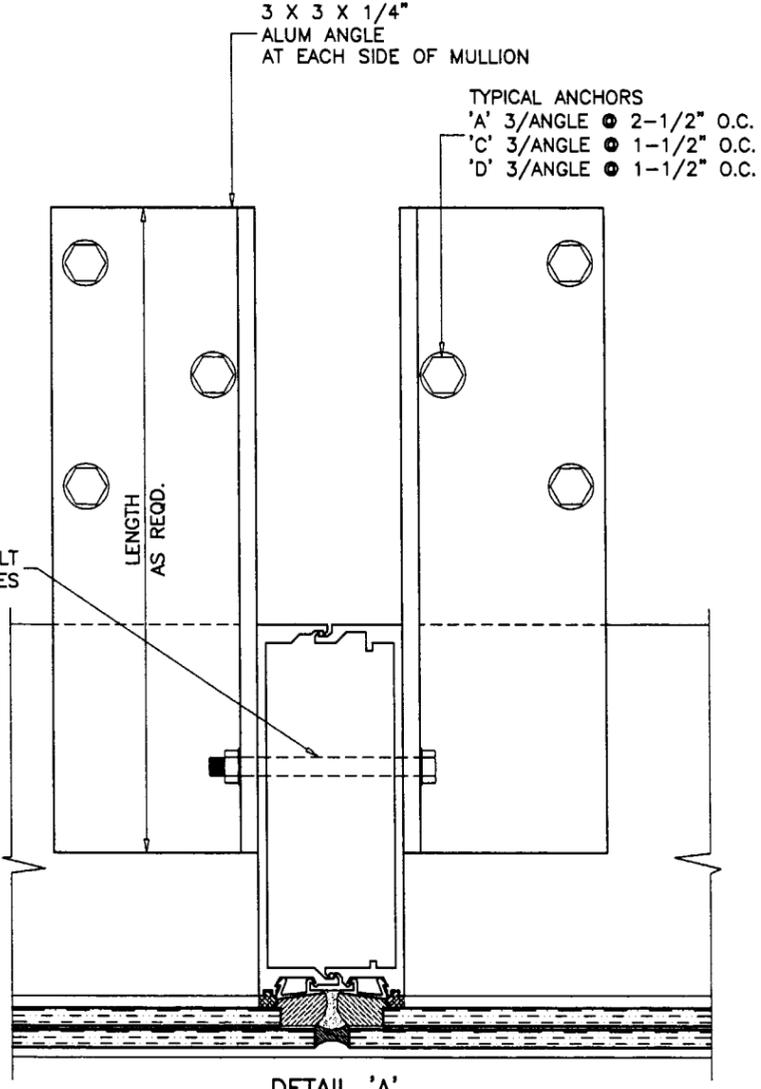
JAMBS ARE DESIGNED TO BE ANCHORED AT TOP AND BOTTOM ONLY

EXTERIOR



EXTERIOR

CORNER MULLION ANCHORS SIMILAR TO TYPICAL 180° MULLION ANCHORS



DETAIL 'A'
BRACE ANCHORS

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

MAR 22 2000

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *April 14, 2000*
BY *Muhammed*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *99-1116-03*

afc
AL-FAROOQ CORPORATION
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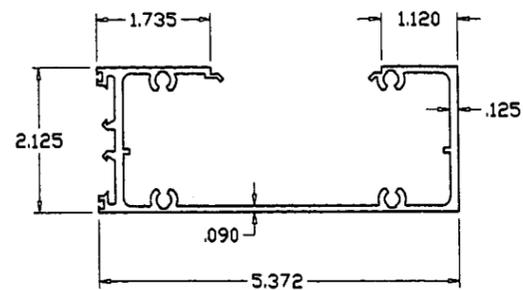
STORE-FRONT/CURTAIN WALL SYSTEM
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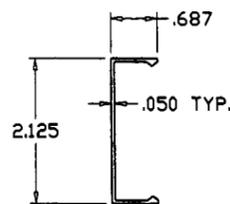
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chk. by:

drawing no.
99-23

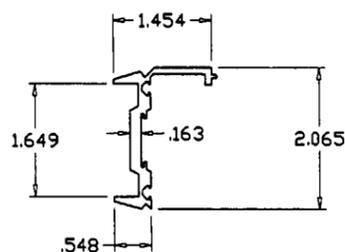
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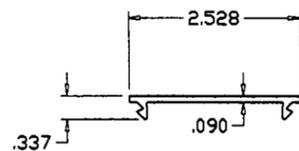
FRAME HEAD/SILL/INTERMEDIATE
GSM 388A



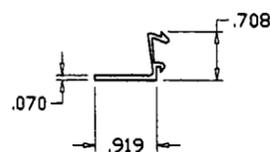
GLAZING RETAINER COVER
TA 8414



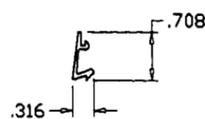
GLAZING STOP
TA 8413



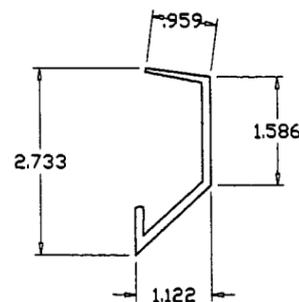
SNAP-IN COVER HEAD/SILL/INTERMEDIATE
GSM 328



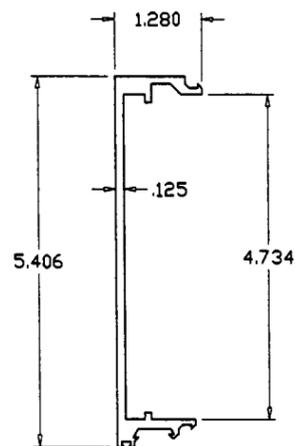
SNAP-IN SETTING PIECE



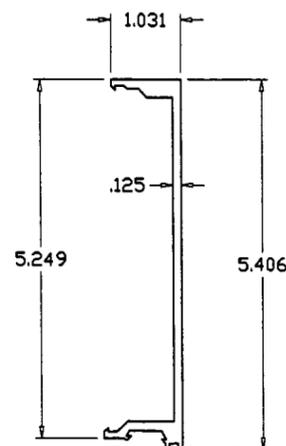
SNAP-IN FILLER
GSM 379



CORNER

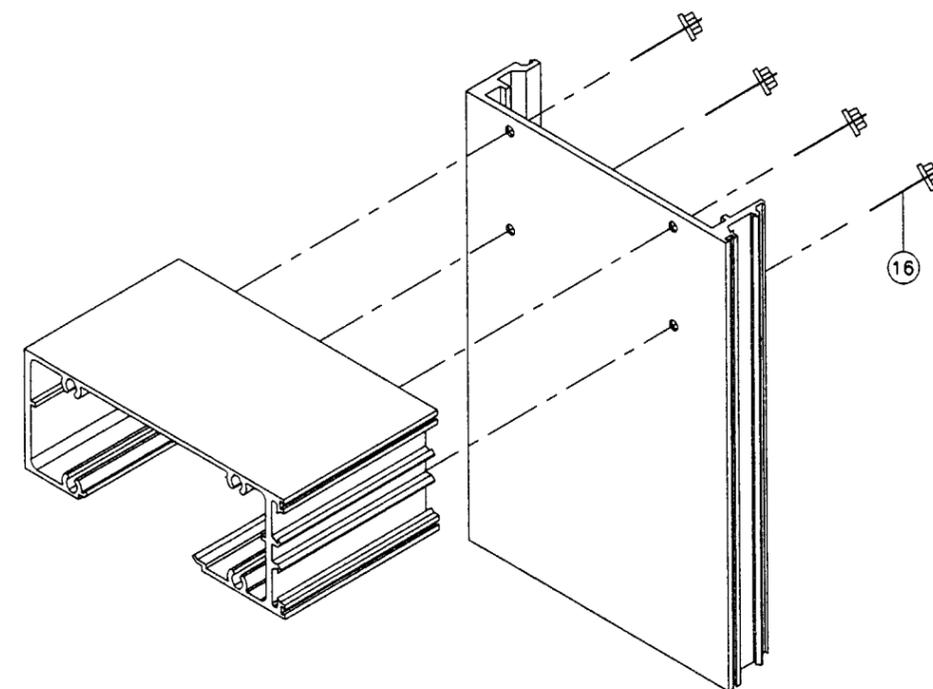


MALE MULLION
GSM 380A



FEMALE MULLION
GSM 381

MATERIALS LIST					
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GSM-388A	AS REQD.	FRAME HEAD/SILL/INTERMEDIATE	6063-T6	-
2	TA-8414	AS REQD.	GLAZING RETAINER COVER	6063-T6	-
3	TA-8413	AS REQD.	GLAZING RETAINER	6063-T6	-
4	GSM-328	AS REQD.	SNAP-IN COVER	6063-T6	-
5	OIC-1	AS REQD.	SNAP-IN SETTING EXTRUSION	6063-T6	-
6	GSM-379	AS REQD.	SNAP-IN FILLER	6063-T6	-
7	-	2/ CORNER	ROLL FORMED ALUMINUM CORNER	6063-T6	-
8	GSM-380A	AS REQD.	MALE MULLION	6063-T6	-
9	GSM-381	-	FEMALE MULLION	6063-T6	-
10	GE 4000	AS REQD.	GLAZING COMPOUND	SILICONE	-
11	WE-1641	-	INT. GLAZING GASKET	PVC	UNIVERSAL RUBBER CO.
12	2338	-	EXT. GLAZING GASKET	PVC	UNIVERSAL RUBBER CO.
13	#12 X 1-3/8"	AS REQD.	HEX WASHER TEKS	-	AT 12" O.C.
14	-	-	SEALANT AND BACKER ROD	-	-
15	-	AS REQD.	HORSE SHOE SHIM	-	-
16	#12 X 1-1/4"	4/ CORNER	FRAME ASSEMBLY SCREWS	ST. STEEL	-
17	#10 X 3/4"	AS REQD.	HEX WASHER TEKS	-	AT 18" O.C.
18	-	2/ ANGLE	1/2" DIA. THRU BOLT, 1" LONG	-	-
19	-	2/ MULLION	2 X 6 X 3/8" ALUM ANGLE, 6" LONG	6063-T6	(1) AT EACH SIDE OF MULLION



FRAME CORNERS

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

MAR 22 2000

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE April 14, 2000
BY *Manuel Jesus*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-1116-03

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
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revisions:	no	date	by	description

date: 09-15-99
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
99-23

sheet 5 of 5