



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)

www.buildingcodeonline.com

Owen International, Inc.
1932 N.W. Miami Ct.
Miami, FL 33136

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series S-2600 Aluminum Storefront / Curtain Wall System – L.M.I.

APPROVAL DOCUMENT: Drawing No.99-23, titled "S-2600 Alum Storefront/Curtain Wall Sys.(L.M.I.)", sheets 1 through 6 of 5, dated 9/15/99, with revision #C dated 1/23/07, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile Impact Resistant

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 revises and renews NOA # 99-1116.03 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
2/8/07

NOA No. 06-0926.07
Expiration Date: March 1, 2012
Approval Date: March 1, 2007
Page 1

Owen International, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **99-23**, titled "S-2600 Alum Storefront/Curtain Wall Sys.(L.M.I.)", sheets 1 through 6 of 5, dated 9/15/99, with revision #C dated 1/23/07, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test report on 1) Large Missile Impact Test, PA 201-94
2) Cyclic Loading Test, per PA 203-94
along with installation diagram of an aluminum curtain wall system (3 specimens), prepared Hurricane Engineering & Testing Inc., Test Report No. **HETI-99-802**, dated April 1, 1999, signed and sealed by Hector Medina, P.E.
2. Test report on 1) Uniform Static Air Pressure Test, Loading per PA 202-94 (Structural) along with installation diagram of an aluminum curtain wall system prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-99-811**, dated May 21, 1999, signed and sealed by Hector Medina, P.E.
3. 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 aluminum curtain wall system, prepared Hurricane Engineering & Testing Inc., Test Report No. **HETI-99-1138**, dated March 23, 1999, signed and sealed by Hector Medina, P.E.
4. Test report on 1) Large Missile Impact Test, PA 201-94
2) Cyclic Loading Test, per PA 203-94
along with installation diagram of an aluminum curtain wall system, prepared Hurricane Engineering & Testing Inc., Test Report No. **HETI-99-784**, dated January 14, 1998, signed and sealed by Hector Medina, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corp., dated 9/14/06 and revised on 1/29/07, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1300-02 and ASTM E1300-98.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 06-1205.10 issued to E.I. DuPont De Nemours for "Sentry Glass Plus®", expiring on 01/14/08.



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 06-0926.07
Expiration Date: March 1, 2012
Approval Date: March 1, 2007

Owen International, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, dated 5/22/06 signed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated 9/14/99, signed by Humayoun Farooq, P.E.

G. OTHER

1. None.



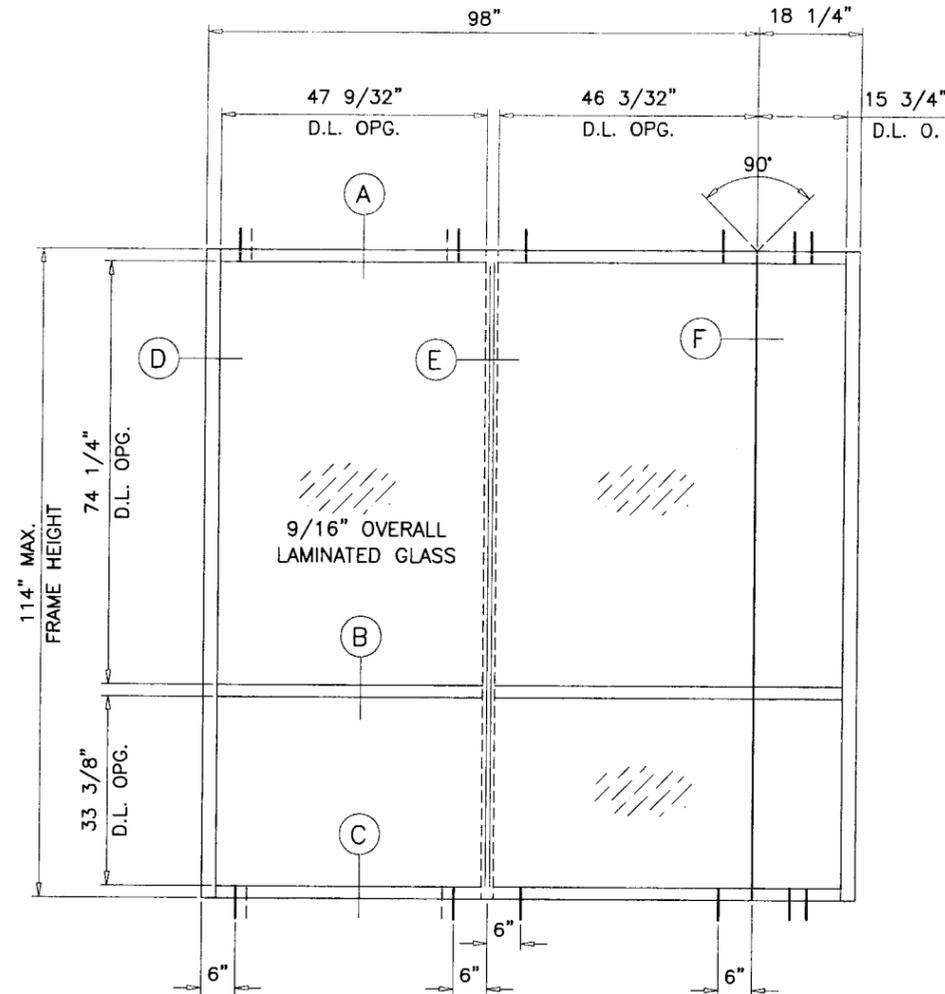
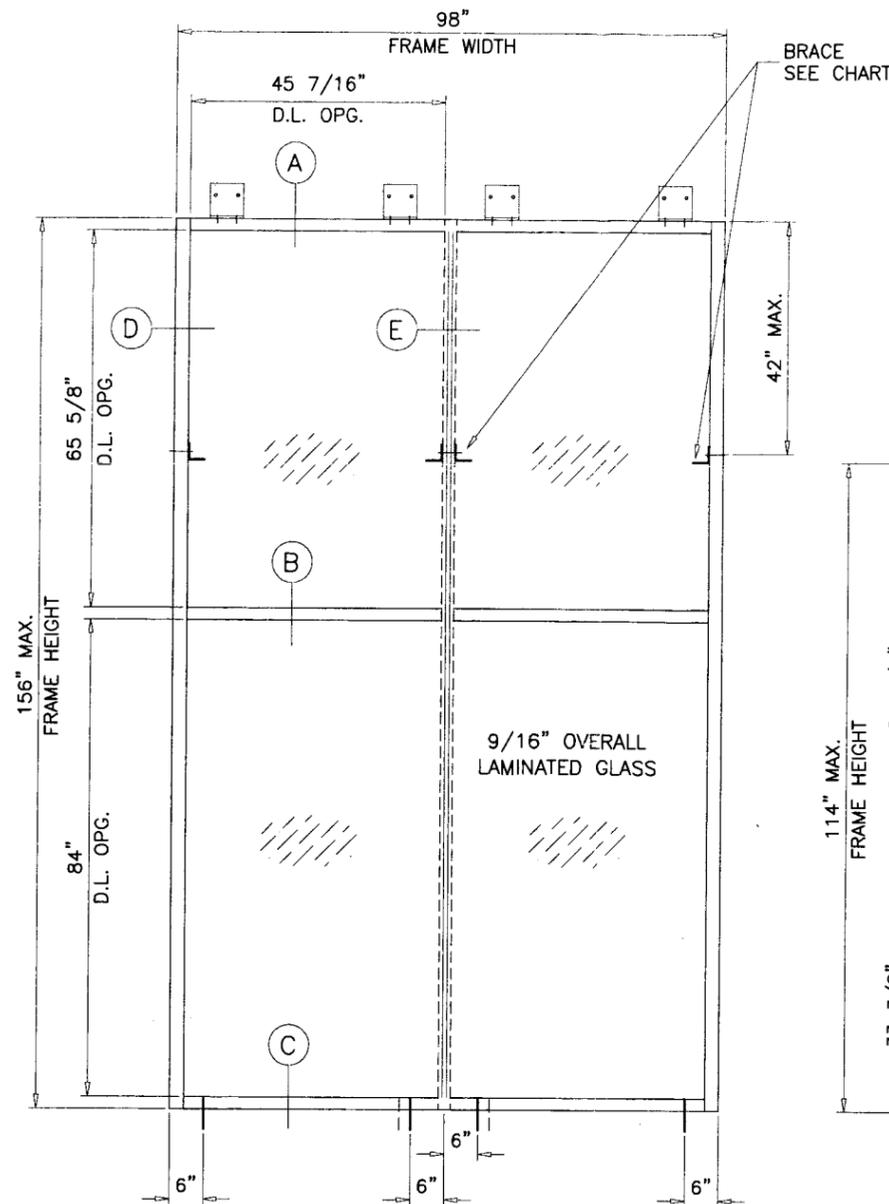
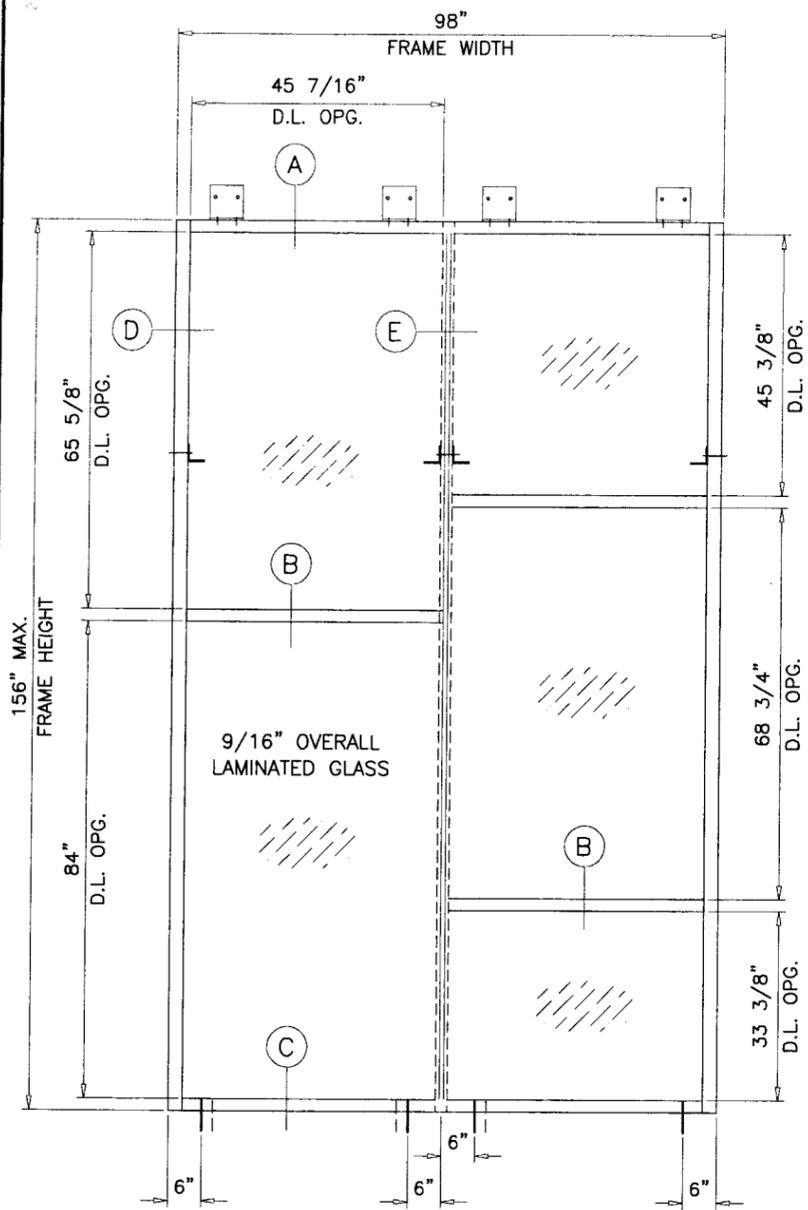
Jaime D. Gascon, P.E.

Chief, Product Control Division

NOA No. 06-0926.07

Expiration Date: March 1, 2012

Approval Date: March 1, 2007



TYPICAL ELEVATION
TESTED UNITS

SERIES 2600
ALUMINUM STOREFRONT/CURTAIN WALL SYSTEM

SEE SHEET 2 FOR DESIGN LOAD RATING.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.

CURTAIN WALL SYSTEM IS RATED FOR LARGE MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

JAN 29 2007

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0926.07
Expiration Date 3/1/12
By [Signature]
Miami Dade Product Control
Division

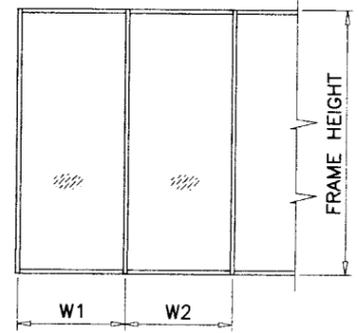
afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE 99-2301C

S-2600 ALUM STOREFRONT/CURTAIN WALL SYS.(L.M.I.)
OWEN INTERNATIONAL INC.
1932 N.W. MIAMI CT.
MIAMI, FL. 33136
TEL. (305) 571-9202 FAX. (305) 571-9210

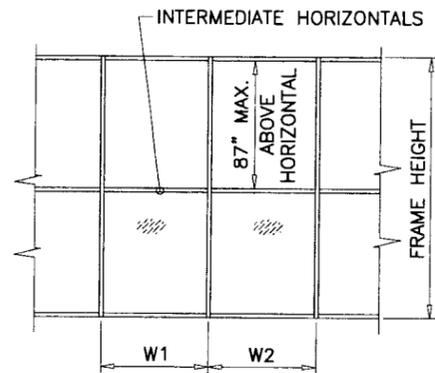
no	date	description	by
A	03.22.00	GENERAL REVISION	
B	07.26.06	UPDATED FOR 2004 FBC	
C	01.23.07	REV. PER BCCO COMMENTS	

date: 09-15-99	scale: -	dr. by: HAMID	chk. by:
drawing no.		99-23	
sheet 1 of 5			

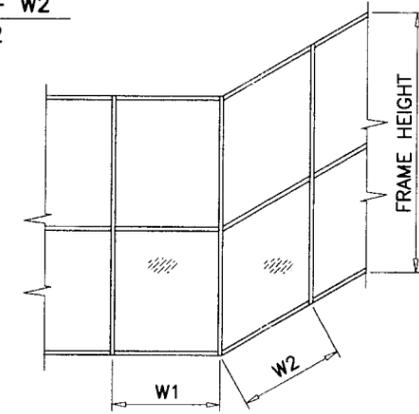
MULLION LOAD CAPACITY - PSF SINGLE SPANS (WITH OR WITHOUT INTERMEDIATE HORIZONTALS)							
NOMINAL DIMS.		MULLION W/O REINFORCING		MULLION WITH REINFORCING		CORNER MULLION WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	72"	76.0	87.0	76.0	87.0	76.0	76.0
30"		76.0	87.0	76.0	87.0	76.0	76.0
36"		76.0	87.0	76.0	87.0	76.0	76.0
42"		76.0	87.0	76.0	87.0	76.0	76.0
48"		76.0	87.0	76.0	87.0	76.0	76.0
24"	84"	76.0	87.0	76.0	87.0	76.0	76.0
30"		76.0	87.0	76.0	87.0	76.0	76.0
36"		76.0	87.0	76.0	87.0	76.0	76.0
42"		76.0	87.0	76.0	87.0	76.0	76.0
48"		76.0	87.0	76.0	87.0	76.0	76.0
24"	87-3/4"	76.0	87.0	76.0	87.0	76.0	76.0
30"		76.0	87.0	76.0	87.0	76.0	76.0
36"		76.0	87.0	76.0	87.0	76.0	76.0
42"		76.0	87.0	76.0	87.0	76.0	76.0
48"		76.0	78.6	76.0	87.0	76.0	76.0
24"	96"	76.0	76.0	76.0	76.0	76.0	76.0
30"		76.0	76.0	76.0	76.0	76.0	76.0
36"		76.0	76.0	76.0	76.0	76.0	76.0
42"		74.8	74.8	76.0	76.0	76.0	76.0
48"		65.5	65.5	76.0	76.0	76.0	76.0
24"	108"	76.0	76.0	76.0	76.0	76.0	76.0
30"		76.0	76.0	76.0	76.0	76.0	76.0
36"		69.0	69.0	76.0	76.0	76.0	76.0
42"		59.1	59.1	76.0	76.0	76.0	76.0
48"		51.7	51.7	76.0	76.0	76.0	76.0
24"	114"	76.0	76.0	76.0	76.0	76.0	76.0
30"		74.3	74.3	76.0	76.0	76.0	76.0
36"		61.9	61.9	76.0	76.0	76.0	76.0
42"		53.1	53.1	76.0	76.0	74.5	74.5
48"		46.4	46.4	76.0	76.0	65.2	65.2



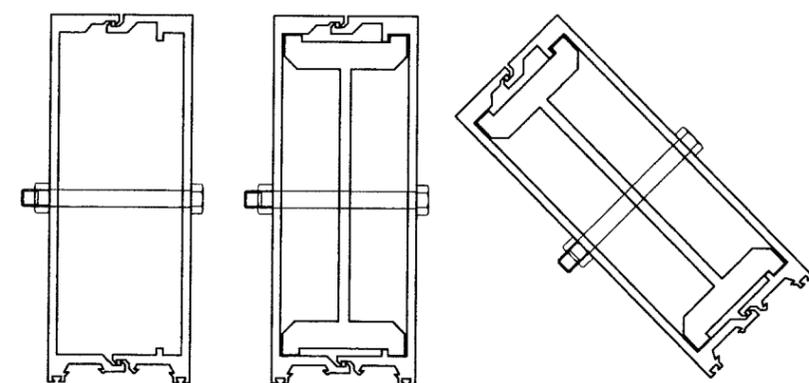
WIDTH (W) = W1
AT FRAME JAMB



WIDTH (W) = $\frac{W1 + W2}{2}$
AT FRAME MULLION



WIDTH (W) = $\frac{W1 + W2}{2}$
AT CORNER MULLION



MULLION W/O REINFORCING

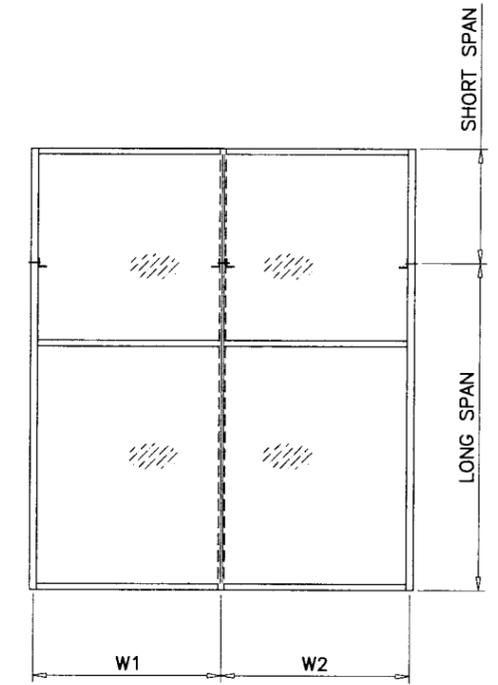
MULLION WITH REINFORCING

CORNER MULLION WITH REINFORCING

MAX. GLASS AREA = D.L.O. WIDTH X D.L.O. HEIGHT ≤ 27 SQ. FT.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
A: ASTM E1300-98 (60 SEC. WIND)
B: ASTM E1300-02 (3 SEC. GUSTS).

DESIGN LOAD CAPACITY - PSF STORE-FRONT/CURTAIN WALL SYSTEM WITH BRACE						
NOMINAL DIMS.			MULLION W/O REINFORCING		MULLION WITH REINFORCING	
SHORT SPAN	LONG SPAN	WIDTH (W)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24" TO 42"	114"	48"	53.0	53.0	76.0	87.0
		42"	60.5	60.5	76.0	87.0
		36"	70.6	70.6	76.0	87.0
		30"	76.0	84.8	76.0	87.0
		24"	76.0	87.0	76.0	87.0
24" TO 42"	108"	48"	59.5	59.5	76.0	87.0
		42"	68.0	68.0	76.0	87.0
		36"	76.0	79.3	76.0	87.0
		30"	76.0	87.0	76.0	87.0
24" TO 42"	102"	48"	67.3	67.3	76.0	87.0
		42"	76.0	76.9	76.0	87.0
24" TO 42"	96"	48"	76.0	76.7	76.0	87.0
		42"	76.0	87.0	76.0	87.0
24" TO 42"	96"	48"	76.0	87.0	76.0	87.0



WIDTH (W) = $\frac{W1 + W2}{2}$

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538
JAN 29 2007

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0926.07
Expiration Date 3/1/12
By: *[Signature]*
Miami Dade Product Control
Division

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

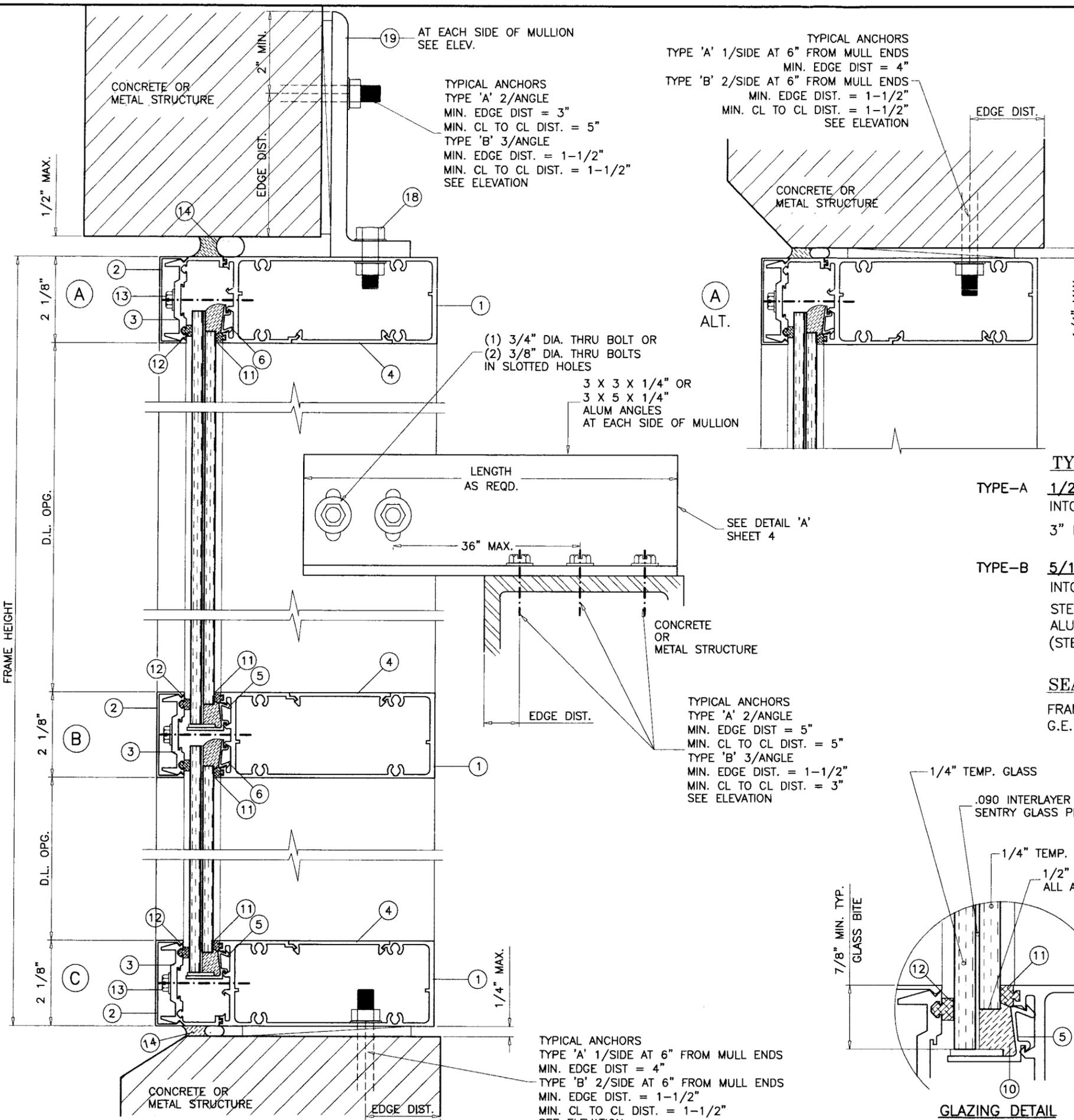
S-2600 ALUM STOREFRONT/CURTAIN WALL SYS.(L.M.I.)
OWEN INTERNATIONAL INC.
1932 N.W. MIAMI CT.
MIAMI, FL. 33136
TEL. (305) 571-9202 FAX. (305) 571-9210

no	date	by	description
B	07.26.06		UPDATED FOR 2004 FBC
C	01.23.07		REV. PER BCCO COMMENTS

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

drawing no.
99-23
sheet 2 of 5

EXTERIOR
FRAME HEIGHT



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

TYPICAL ANCHORS
TYPE 'A' 1/SIDE AT 6" FROM MULL ENDS
MIN. EDGE DIST = 4"
TYPE 'B' 2/SIDE AT 6" FROM MULL ENDS
MIN. EDGE DIST. = 1-1/2"
MIN. CL TO CL DIST. = 1-1/2"
SEE ELEVATION

TYPICAL ANCHORS
TYPE 'A' 2/ANGLE
MIN. EDGE DIST = 3"
MIN. CL TO CL DIST. = 5"
TYPE 'B' 3/ANGLE
MIN. EDGE DIST. = 1-1/2"
MIN. CL TO CL DIST. = 1-1/2"
SEE ELEVATION

(A)
ALT.

(1) 3/4" DIA. THRU BOLT OR
(2) 3/8" DIA. THRU BOLTS
IN SLOTTED HOLES

3 X 3 X 1/4" OR
3 X 5 X 1/4"
ALUM ANGLES
AT EACH SIDE OF MULLION

SEE DETAIL 'A'
SHEET 4

CONCRETE
OR
METAL STRUCTURE

TYPICAL ANCHORS
TYPE 'A' 2/ANGLE
MIN. EDGE DIST = 5"
MIN. CL TO CL DIST. = 5"
TYPE 'B' 3/ANGLE
MIN. EDGE DIST. = 1-1/2"
MIN. CL TO CL DIST. = 3"
SEE ELEVATION

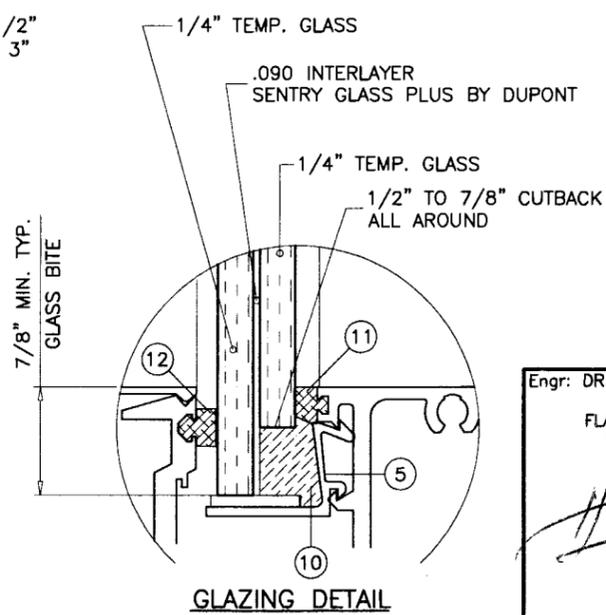
TYPICAL ANCHORS
TYPE 'A' 1/SIDE AT 6" FROM MULL ENDS
MIN. EDGE DIST = 4"
TYPE 'B' 2/SIDE AT 6" FROM MULL ENDS
MIN. EDGE DIST. = 1-1/2"
MIN. CL TO CL DIST. = 1-1/2"
SEE ELEVATION

TYPICAL ANCHORS:

- TYPE-A 1/2" DIA. RAWL STUDS
INTO CONCRETE (fc' = 3000 PSI MIN.)
3" MIN. EMBEDMENT
- TYPE-B 5/16" DIA. HILTI KWIK-FLEX SELF DRILLING SCREWS
INTO METAL STRUCTURES
STEEL : 11 GA. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/4" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

SEALANTS:

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



Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

JAN 29 2007

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0926.07
Expiration Date 3/1/12
By *[Signature]*
Miami Dade Product Control
Division

afC

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE 199-2301C

S-2600 ALUM STOREFRONT/CURTAIN WALL SYS.(L.M.I.)

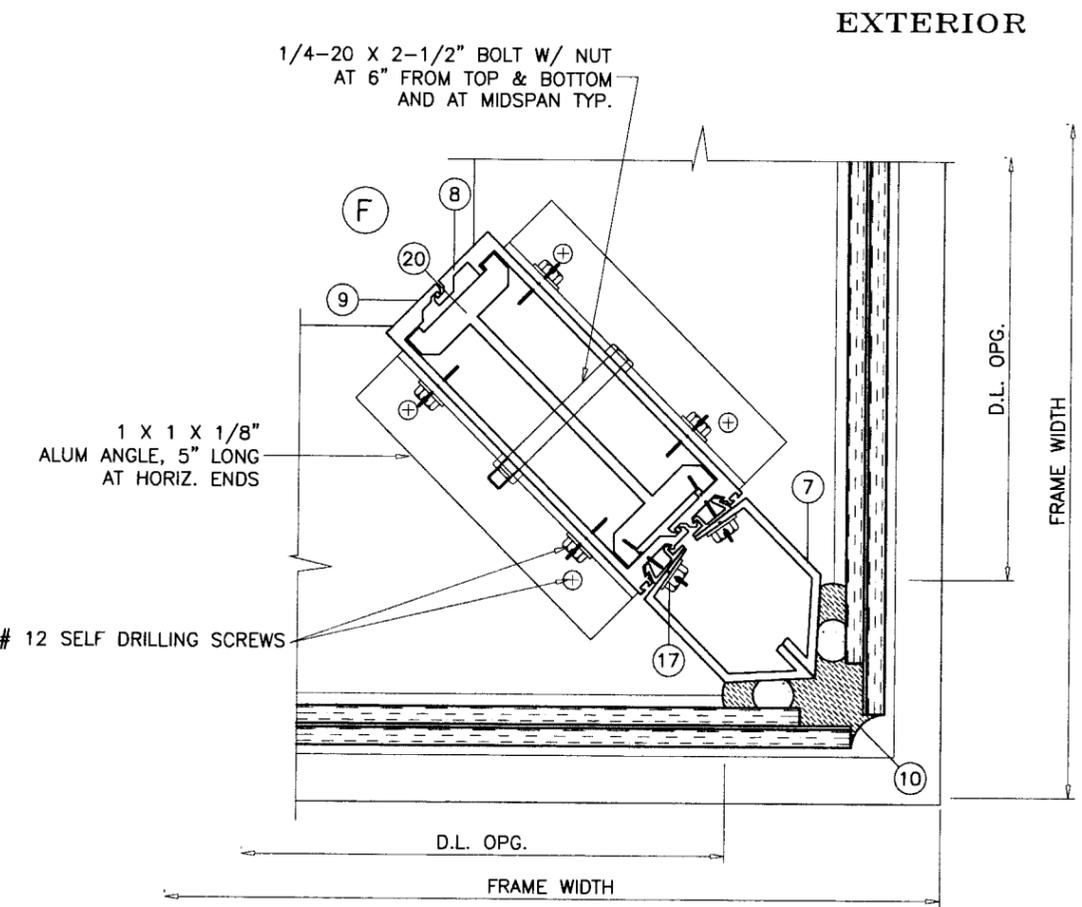
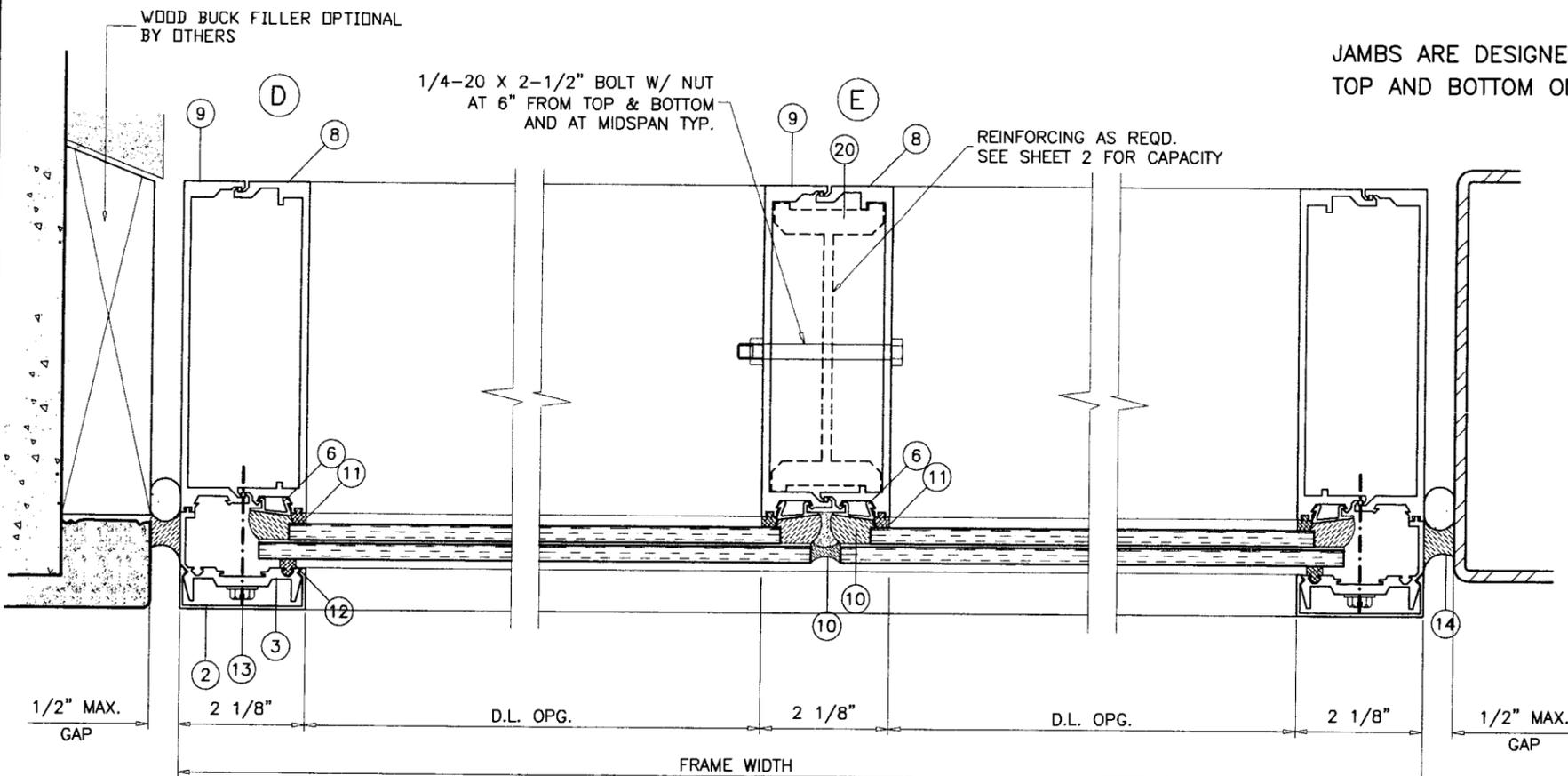
OWEN INTERNATIONAL INC.
1932 N.W. MIAMI CT.
MIAMI, FL. 33136
TEL. (305) 571-9202 FAX. (305) 571-9210

no	date	by	description
B	07.26.06		UPDATED FOR 2004 FBC
C	01.23.07		REV. PER BCCO COMMENTS

revisions:

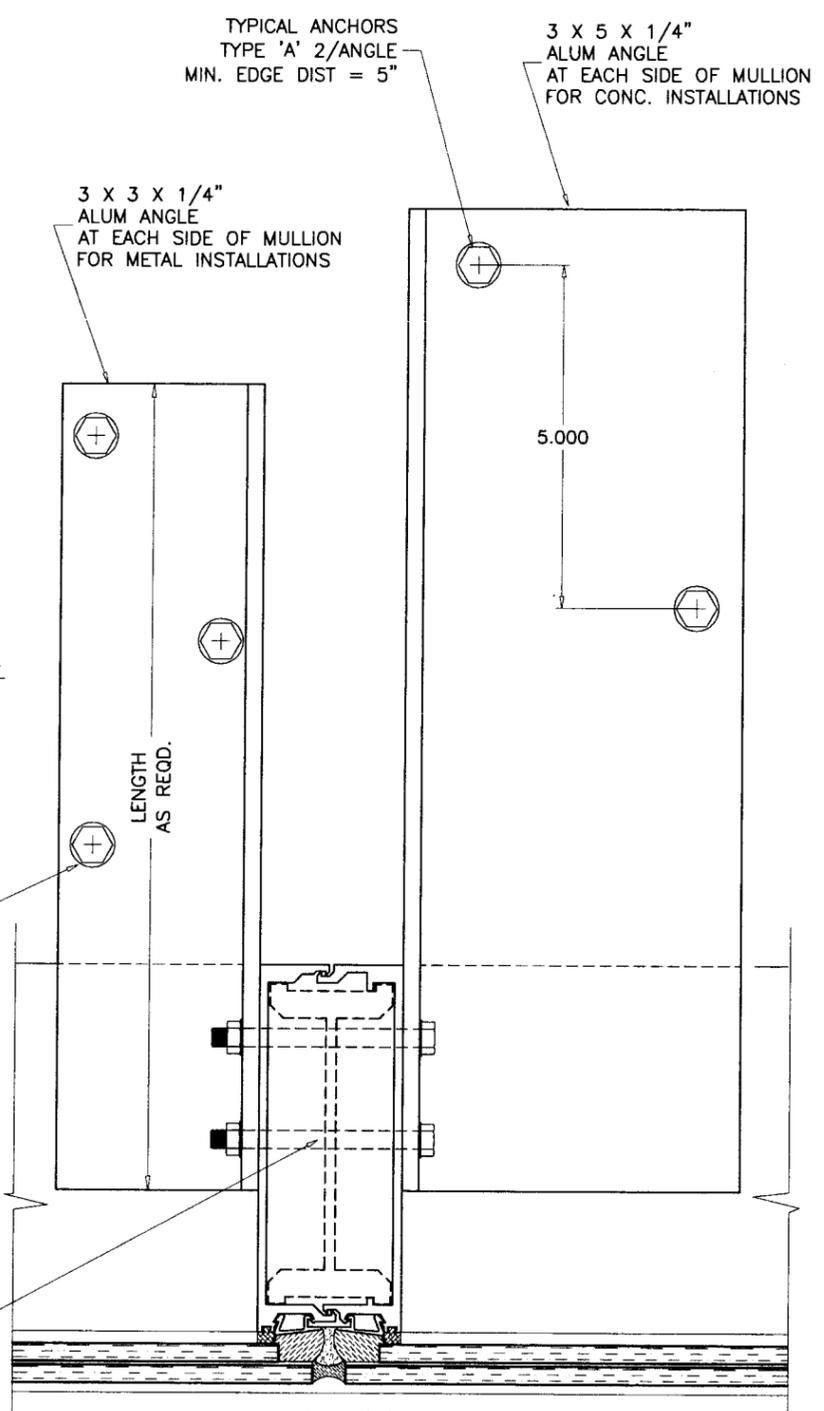
date: 09-15-99
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no.
99-23
sheet 3 of 5



TYPICAL ANCHORS
TYPE 'B' 3/8 ANGLE
MIN. EDGE DIST. = 1-1/2"
MIN. CL TO CL DIST. = 3"
SEE ELEVATION

(1) 3/4" DIA. THRU BOLT OR
(2) 3/8" DIA. THRU BOLTS
IN SLOTTED HOLES



DETAIL 'A'
BRACE ANCHORS

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 06-0926.07
Expiration Date 3/1/12

By *[Signature]*
Miami Dade Product Control
Division

JAN 29 2007

af c

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

S-2600 ALUM STOREFRONT/CURTAIN WALL SYS.(L.M.I.)

OWEN INTERNATIONAL INC.
1932 N.W. MIAMI CT.
MIAMI, FL. 33136
TEL. (305) 571-9202 FAX. (305) 571-9210

no	date	by	description
B	07.26.06		UPDATED FOR 2004 FBC
C	01.23.07		REV. PER BCCO COMMENTS

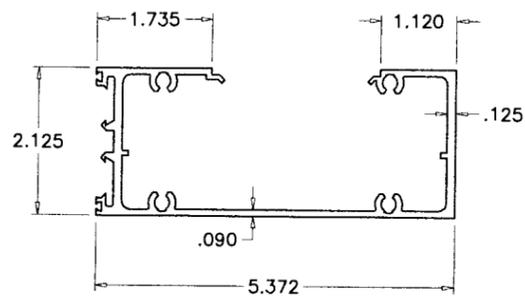
revisions:

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

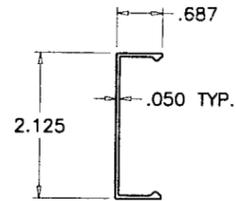
drawing no.
99-23

sheet 4 of 5

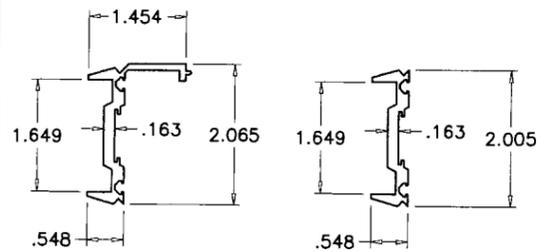
MATERIALS LIST					
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GSM-388A	AS REQD.	FRAME HEAD/SILL/INTERMEDIATE	6063-T6	-
2	TA-8414	AS REQD.	GLAZING RETAINER COVER	6063-T6	-
3	TA-8413	AS REQD.	GLAZING RETAINER	6063-T6	-
4	GSM-328	AS REQD.	SNAP-IN COVER	6063-T6	-
5	OIC-1	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
20	OIC-59	AS REQD.	MULLION REINFORCING	6063-T6	-



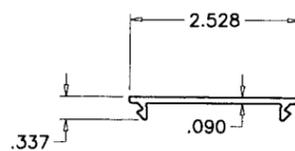
FRAME HEAD/SILL/INTERMEDIATE
GSM 388A



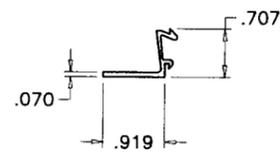
GLAZING RETAINER COVER
TA 8414



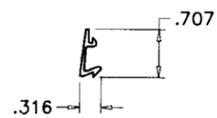
GLAZING STOPS
TA 8413



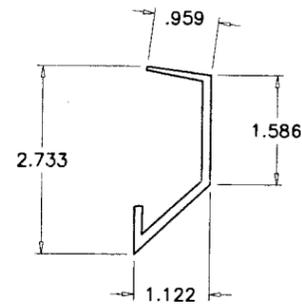
SNAP-IN COVER HEAD/SILL/INTERMEDIATE
GSM 328



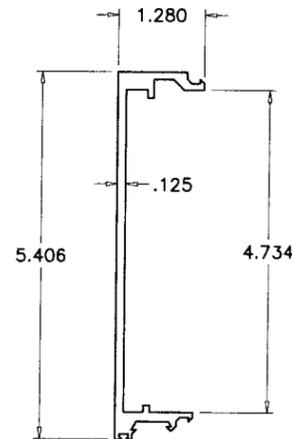
SNAP-IN SETTING PIECE



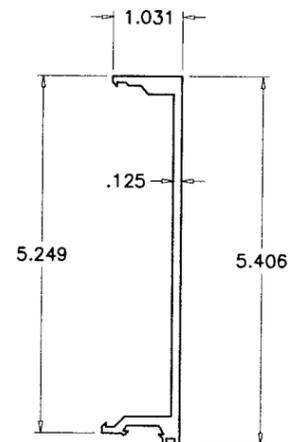
SNAP-IN FILLER
GSM 379



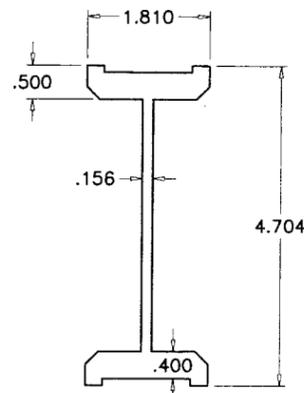
CORNER



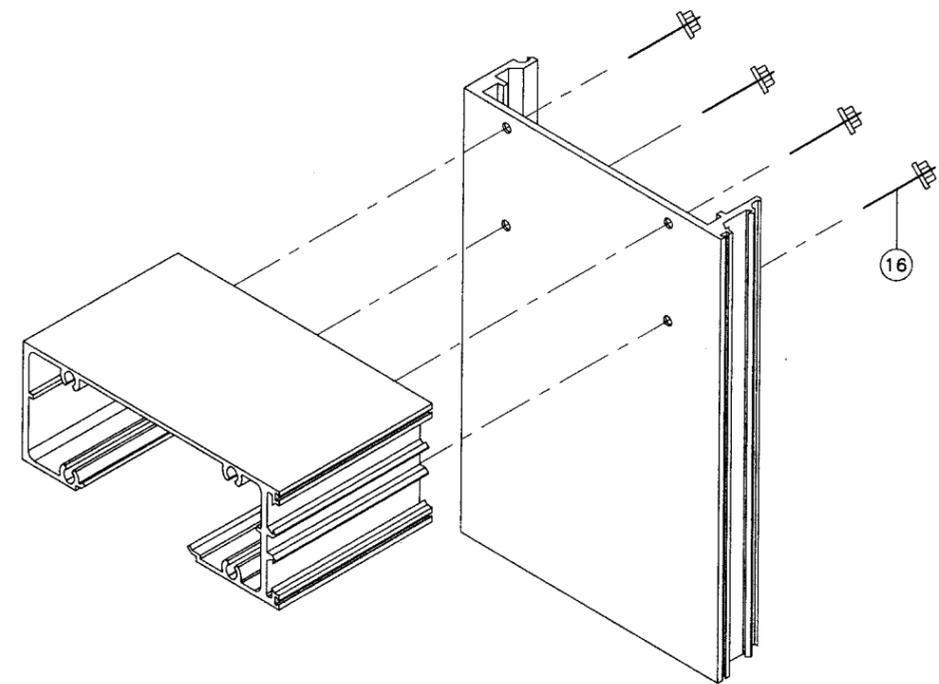
MALE MULLION
GSM 380A



FEMALE MULLION
GSM 381



MULLION REINFORCING
OIC-59



FRAME CORNERS

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 06-0926.07
Expiration Date 3/1/12

By: *[Signature]*
Miami Dade Product Control
Division

JAN 29 2007

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE 99-2301C

S-2600 ALUM STOREFRONT/CURTAIN WALL SYS.(L.M.I.)
OWEN INTERNATIONAL INC.
1932 N.W. MIAMI CT.
MIAMI, FL. 33136
TEL. (305) 571-9202 FAX. (305) 571-9210

no	date	by	description
B	07.26.06		UPDATED FOR 2004 FBC
C	01.23.07		REV. PER BCCO COMMENTS

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

drawing no.
99-23
sheet 5 of 5