



**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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

R. C. Aluminum Industries, Inc.
2805 N.W. 75th Ave.
Miami, FL 33122

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 "HP 3060" Aluminum Window Wall System – S.M.I.

APPROVAL DOCUMENT: Drawing No. **W04-25**, titled "Series HP 3060 Alum. Window Wall System (S.M.I.)", sheets 1 through 8 of 8, prepared by Al-Farooq Corporation, dated 03/22/04 with a revision "B" dated 10/10/08, 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: Small Missile Impact Resistant

LIMITATIONS: Miami-Dade County Product Control Approved Shutters Or Protection Devices Shall Be Required For Installations Up To 30 Ft. Above Grade.

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 # 05-0815.03** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P. E.**



NOA No. 08-1119.06
Expiration Date: July 01, 2014
Approval Date: April 08, 2009
Page 1

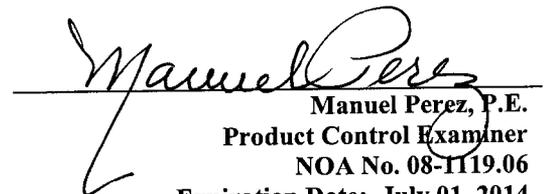
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W04-25**, titled "HP 3060 Alum. Window Wall System (S.M.I.)", sheets 1 through 8 of 8, prepared by Al-Farooq Corporation, dated 03/22/04 with revision "B" dated 10/10/08, signed and sealed by Humayoun Farooq, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5692**, dated 08/22/08, signed and sealed by Carlos S. Ronda, P. E.
2. Test reports on: 1) Safety Performance (Drop Load Impact) Test per CPSC 16 CFR 1201 (ANSI Z97.1-84),
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-5320**, dated 07/05/07, signed and sealed by Michael R. Wenzel, P.E.
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Resistant Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3542**, dated 08/19/03, signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA# 04-0517.02)
4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Resistant Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3541**, dated 08/19/03, signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA# 04-0517.02)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-1119.06
Expiration Date: July 01, 2014
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

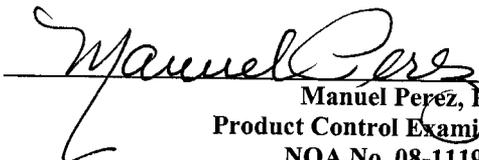
5. Test reports on: 1) Air Infiltration Test, per FBC, TAS stating 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Hurricane Engineering and Testing, Inc., Test Report No. **HETI-02-1266**, dated 11/15/02, signed and sealed by Rafael E. Droz-Seda, P. E. **(Submitted under NOA# 04-0517.02)**
6. Test reports on: 1) Small Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Hurricane Engineering and Testing, Inc., Test Report No. **HETI-02-1269**, dated 11/26/02, signed and sealed by Rafael E. Droz-Seda, P. E. **(Submitted under NOA# 04-0517.02)**
7. Test reports on: 1) Tensile Test
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Hurricane Engineering and Testing, Inc., Test No. **HETI-02-T096**, dated 12/31/02, signed and sealed by Rafael E. Droz-Seda, P. E. **(Submitted under NOA# 04-0517.02)**
8. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2993**, dated 03/19/01, signed and sealed by Luis Antonio Figueredo, P. E. **(Submitted under NOA# 04-0517.02)**

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 10/13/08, signed and sealed by Humayoun Farooq, P. E.
Complies with ASTM E1300-98/04

D. QUALITY ASSURANCE

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


Manuel Perez, R.E.
Product Control Examiner
NOA No. 08-1119.06
Expiration Date: July 01, 2014
Approval Date: April 08, 2009

R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours & Co., Inc. for their “**DuPont Sentry Glass ® Plus**” dated 01/03/08, expiring on 01/14/12.
2. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours & Co., Inc. for their “**DuPont Butacite PVB, Interlayer**” dated 01/05/06, expiring on 12/11/10.

F. STATEMENTS

1. Statement letter of conformance, dated October 09, 2008, signed and sealed by Humayoun Farooq, P. E.
2. Statement letter of no financial interest, dated October 09, 2008, signed and sealed by Humayoun Farooq, P. E.
3. Laboratory code compliance letters for Test Report No.’s **FTL-5692** and **FTL-5320** issued by Fenestration Testing Laboratory, Inc., signed and sealed by Carlos S. Rionda, P. E. and by Michael R. Wenzel, P. E.
4. Laboratory code compliance letters for Test Report No.’s **FTL-3542**, **FTL-3541** and **FTL-2993** issued by Fenestration Testing Laboratory, Inc., signed and sealed by Edmundo Largaespada, P. E. and Luis Antonio Figueredo, P. E.
(Submitted under NOA# 04-0517.02)
5. Laboratory code compliance letters for Test Report No.’s **HETI-02-1266** and **HETI-02-T096** issued by Hurricane Engineering and Testing, Inc., signed and sealed by Rafael E. Droz-Seda, P. E.
(Submitted under NOA# 04-0517.02)
6. Laboratory addendum letter for Test Report No. **FTL-2993** issued by Fenestration Testing Laboratory, Inc., dated July 21, 2001, signed by Dina Cova.
(Submitted under NOA# 04-0517.02)

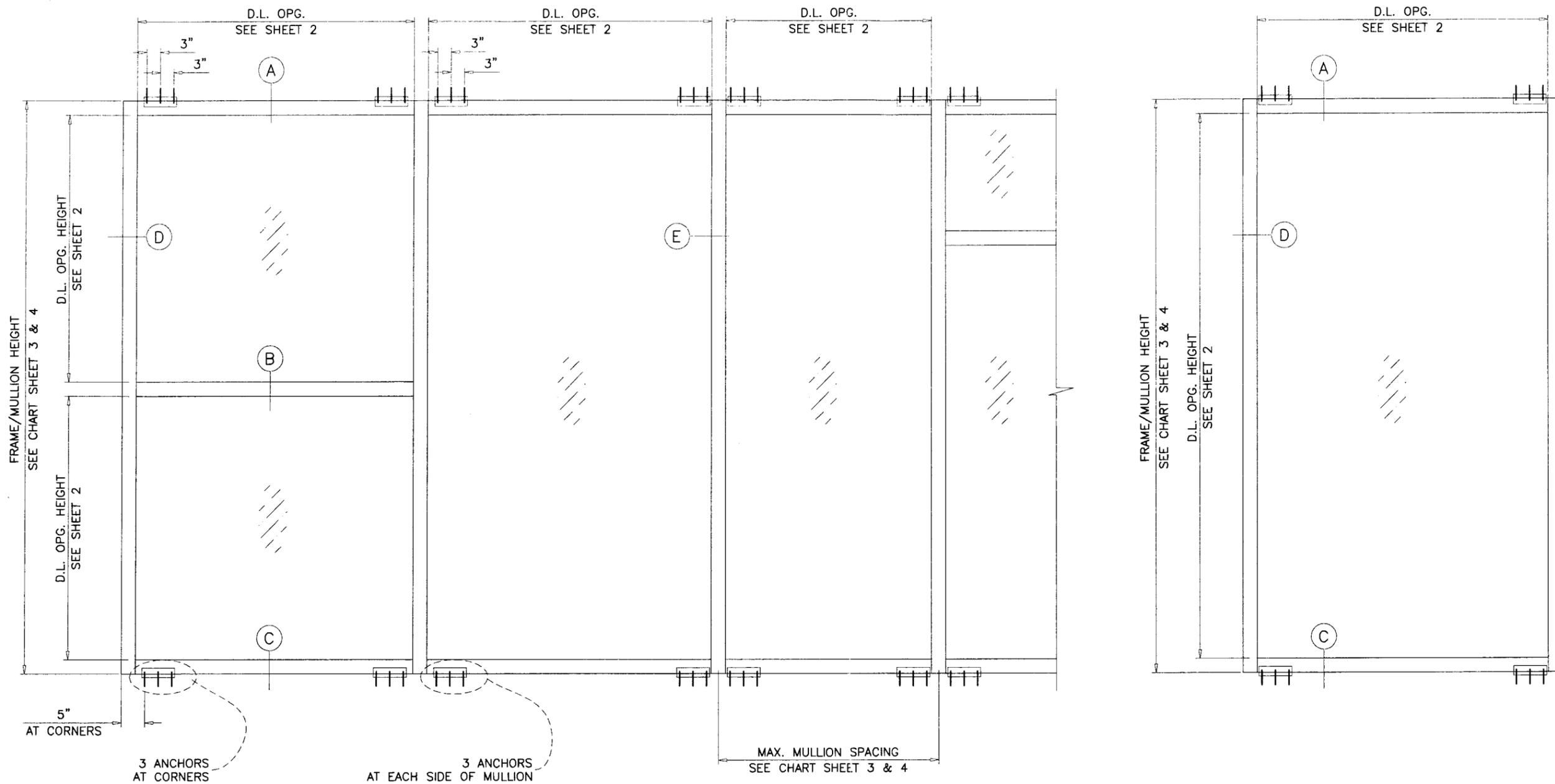
G. OTHERS

1. Notice of Acceptance No. **07-1019.02**, issued to R. C. Aluminum Industries, Inc. for their Series “**HP 3070 Aluminum Window Wall System w/ 7” Mullion – S.M.I.**”, approved on 04/03/08 and expiring on 07/01/09.

H. LIMITATIONS

1. Miami-Dade County Product Control Approved Shutters Or Protection Devices Shall Be Required For Installations Up To 30 Ft. Above Grade.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-1119.06
Expiration Date: July 01, 2014
Approval Date: April 08, 2009



TYPICAL ELEVATIONS

HP3060 ALUM. WINDOW WALL SYSTEM (S.M.I.)

THIS SYSTEM IS RATED FOR SMALL MISSILE IMPACT.
 SHUTTERS NOT REQUIRED FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.
 CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004/2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEETS 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING MULLION CHARTS ON SHEETS 3 & 4 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.

WINDOW WALL SYSTEM WITH GLASS TYPES 'A', & 'C' COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

LAMINATED GLASS
 SMALL MISSILE IMPACT

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

OCT 1 8 2008

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No **08-1119-06**
 Expiration Date **07/01/2014**
 By *Mamuel*
 Miami/Dade Product Control
 Division



AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE/W04-25RC

HP3060 ALUM. WINDOW WALL SYSTEM (S.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
 2805 N.W. 75 TH AVE.
 MIAMI, FL. 33122
 TEL. (305) 592-1515 FAX. (305) 592-2184

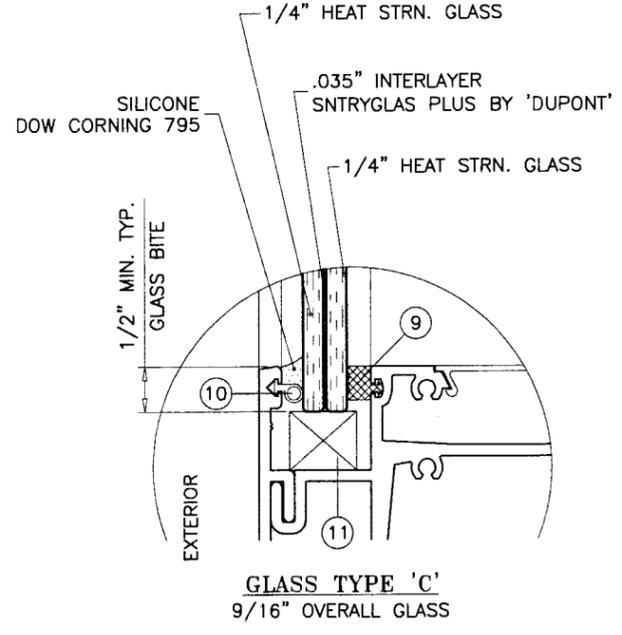
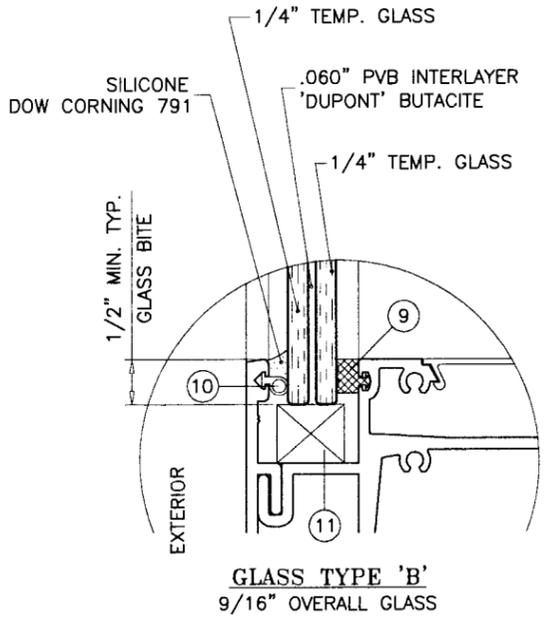
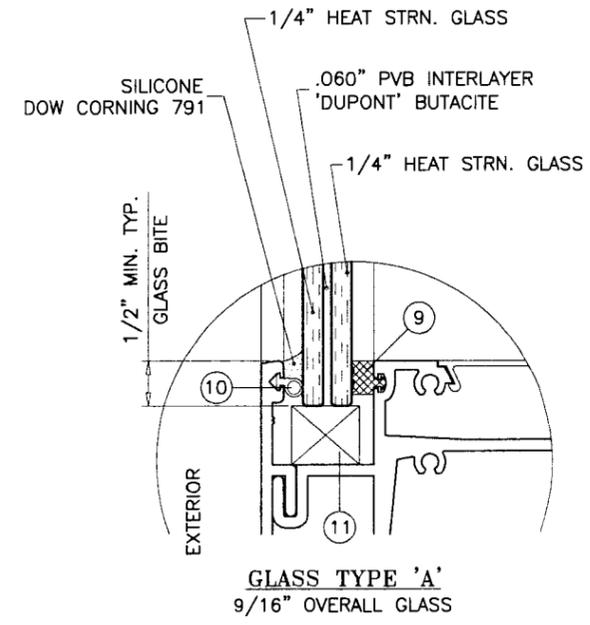
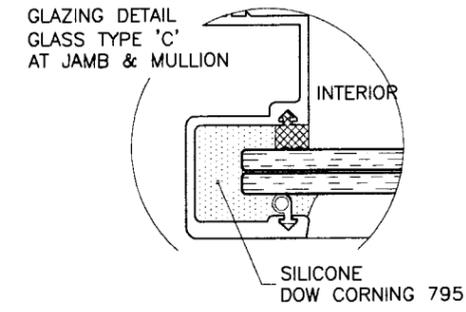
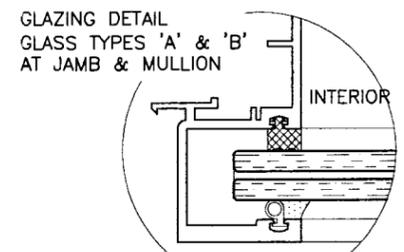
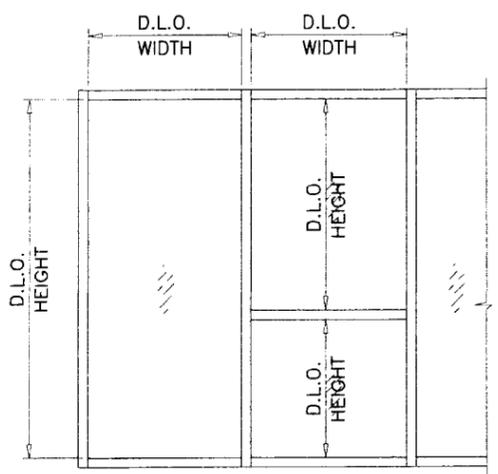
no.	date	by	description
A	05.12.05	NOTES REV.	
B	10.10.08	UPDATED FOR 2007 FBC	

revisions:
 date: 03-22-04
 scale: 1/2"=1'-0"
 dr. by: HAMID
 chk. by:

drawing no.
W04-25
 sheet 1 of 8

GLASS DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	
33"	66"	140.0	140.0	140.0	
36"		140.0	140.0	140.0	
39"		140.0	140.0	140.0	
42"		140.0	140.0	140.0	
45"		140.0	140.0	140.0	
48"		140.0	140.0	140.0	
51"		140.0	140.0	140.0	
54"		140.0	140.0	140.0	
57"		140.0	140.0	140.0	
60"		140.0	140.0	140.0	
63"		140.0	140.0	-	
66"		140.0	140.0	-	
69"	140.0	140.0	-		
72"	140.0	140.0	-		
33"	72"	140.0	140.0	140.0	
36"		140.0	140.0	140.0	
39"		140.0	140.0	140.0	
42"		140.0	140.0	140.0	
45"		140.0	140.0	140.0	
48"		140.0	140.0	140.0	
51"		140.0	140.0	140.0	
54"		140.0	140.0	140.0	
57"		140.0	140.0	140.0	
60"		140.0	140.0	-	
63"		140.0	140.0	-	
66"		140.0	140.0	-	
33"	78"	140.0	140.0	140.0	
36"		140.0	140.0	140.0	
39"		140.0	140.0	140.0	
42"		140.0	140.0	140.0	
45"		140.0	140.0	140.0	
48"		140.0	140.0	140.0	
51"		140.0	140.0	140.0	
54"		140.0	140.0	-	
57"		140.0	140.0	-	
60"		140.0	140.0	-	
33"		84"	140.0	140.0	140.0
36"			140.0	140.0	140.0
39"	140.0		140.0	140.0	
42"	140.0		140.0	140.0	
45"	140.0		140.0	140.0	
48"	140.0		140.0	140.0	
51"	140.0		140.0	-	
54"	140.0		140.0	-	
33"	90"		140.0	140.0	140.0
36"			140.0	140.0	140.0
39"			140.0	140.0	140.0
42"			140.0	140.0	140.0
45"		140.0	140.0	140.0	
48"		140.0	140.0	-	
51"	140.0	140.0	-		

GLASS DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	
33"	96"	140.0	140.0	140.0	
36"		140.0	140.0	140.0	
39"		140.0	140.0	140.0	
42"		140.0	140.0	140.0	
45"		140.0	140.0	-	
48"		140.0	140.0	-	
33"	102"	140.0	140.0	140.0	
36"		140.0	140.0	140.0	
39"		140.0	140.0	140.0	
42"		140.0	140.0	-	
45"		140.0	140.0	-	
33"		108"	140.0	140.0	140.0
36"	140.0		140.0	140.0	
39"	140.0		140.0	-	
42"	140.0		140.0	-	
33"	114"		140.0	140.0	140.0
36"			140.0	140.0	140.0
39"		140.0	140.0	-	
33"		120"	140.0	140.0	140.0
36"			140.0	140.0	-
39"			140.0	140.0	-
30"	126"	140.0	140.0	140.0	
33"		140.0	140.0	-	
36"		140.0	140.0	-	



GLAZING OPTIONS

NOTE:
GLASS CAPACITY CHART IS BASED ON ASTM E1300-02/04 FOR 3 SEC. GUSTS AND MAX. CYCLIC LOAD TESTED. FOR WIND LOADS BASED ON DIFFERENT WIND DURATION LOADING CRITERIA (WIND TUNNEL TESTS) APPLY FACTORS AS SPECIFIED IN TABLE X6.1 OF E1300-02. OR CHECK GLASS CAPACITY ON JOB TO JOB BASIS.

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

OCT 13 2008

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 08-119-06
Expiration Date 07/01/2014

By: *Mamun*
Miami Dade Product Control
Division

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 W04-25RC

HP3060 ALUM. WINDOW WALL SYSTEM (S.M.I.)

R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

no.	date	description
A	05.12.05	CHART REV.
B	10.10.08	UPDATED FOR 2007 FBC

revisions:

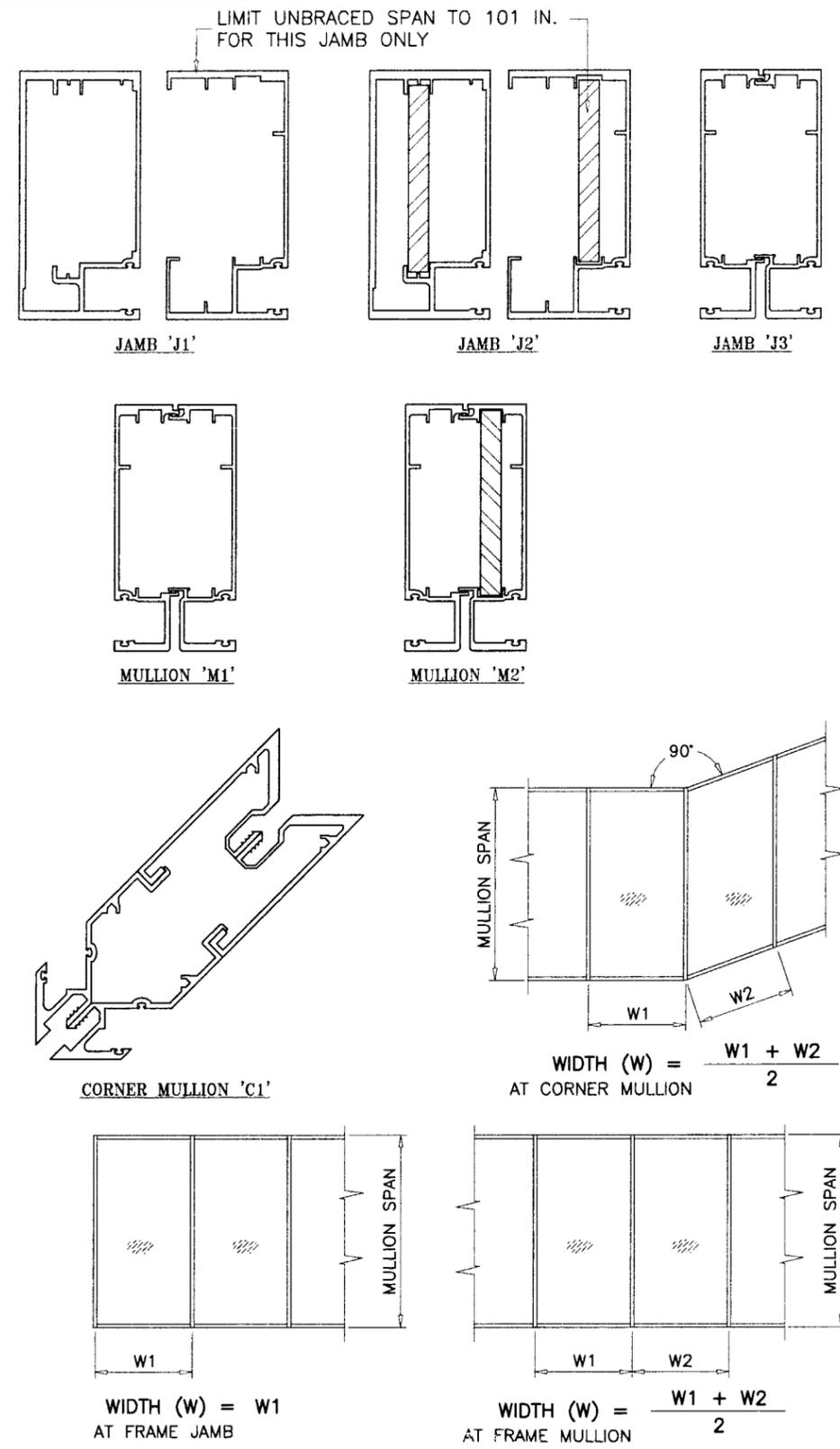
date: 03-22-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no. **W04-25**
sheet 2 of 8

MULLION/JAMB DESIGN LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'J1' 'J2' 'J3' MULLION 'M1' CORNER MULL 'C1'		JAMB 'J1' 'J2' 'J3' MULLION 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	84"	100.0	120.0	140.0	140.0
33"		100.0	120.0	140.0	140.0
36"		100.0	120.0	140.0	140.0
39"		100.0	120.0	140.0	140.0
42"		100.0	120.0	140.0	140.0
45"		100.0	120.0	140.0	140.0
48"		100.0	120.0	140.0	140.0
51"		100.0	120.0	140.0	140.0
54"		100.0	120.0	140.0	140.0
57"		100.0	120.0	140.0	140.0
60"		100.0	120.0	140.0	140.0
63"		100.0	120.0	140.0	140.0
66"		100.0	120.0	140.0	140.0
69"		-	-	140.0	140.0
72"	-	-	140.0	140.0	
30"	90"	100.0	120.0	140.0	140.0
33"		100.0	120.0	140.0	140.0
36"		100.0	120.0	140.0	140.0
39"		100.0	120.0	140.0	140.0
42"		100.0	120.0	140.0	140.0
45"		100.0	120.0	140.0	140.0
48"		100.0	120.0	140.0	140.0
51"		100.0	120.0	140.0	140.0
54"		100.0	120.0	140.0	140.0
57"		100.0	120.0	140.0	140.0
60"		100.0	120.0	140.0	140.0
63"		100.0	120.0	140.0	140.0
66"		-	-	140.0	140.0
69"		-	-	140.0	140.0
72"	-	-	140.0	140.0	
30"	96"	100.0	120.0	140.0	140.0
33"		100.0	120.0	140.0	140.0
36"		100.0	120.0	140.0	140.0
39"		100.0	120.0	140.0	140.0
42"		100.0	120.0	140.0	140.0
45"		100.0	120.0	140.0	140.0
48"		100.0	120.0	140.0	140.0
51"		100.0	120.0	140.0	140.0
54"		100.0	120.0	140.0	140.0
57"		100.0	120.0	140.0	140.0
60"		-	-	140.0	140.0
63"		-	-	140.0	140.0
66"		-	-	140.0	140.0
69"		-	-	140.0	140.0

MULLION/JAMB DESIGN LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS						
NOMINAL DIMS.		JAMB 'J1' 'J2' 'J3' MULLION 'M1' CORNER MULL 'C1'		JAMB 'J1' 'J2' 'J3' MULLION 'M2'		
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
30"	102"	100.0	120.0	140.0	140.0	
33"		100.0	120.0	140.0	140.0	
36"		100.0	120.0	140.0	140.0	
39"		100.0	120.0	140.0	140.0	
42"		100.0	120.0	140.0	140.0	
45"		100.0	120.0	140.0	140.0	
48"		100.0	120.0	140.0	140.0	
51"		100.0	120.0	140.0	140.0	
54"		100.0	120.0	140.0	140.0	
57"		-	-	140.0	140.0	
60"		-	-	140.0	140.0	
63"		-	-	140.0	140.0	
66"		-	-	140.0	140.0	
30"		108"	100.0	120.0	140.0	140.0
33"	100.0		120.0	140.0	140.0	
36"	100.0		120.0	140.0	140.0	
39"	100.0		120.0	140.0	140.0	
42"	100.0		120.0	140.0	140.0	
45"	100.0		120.0	140.0	140.0	
48"	100.0		120.0	140.0	140.0	
51"	100.0		120.0	140.0	140.0	
54"	-		-	140.0	140.0	
57"	-		-	140.0	140.0	
60"	-		-	140.0	140.0	
63"	-		-	140.0	140.0	
30"	114"		-	-	140.0	140.0
33"			-	-	140.0	140.0
36"		-	-	140.0	140.0	
39"		-	-	140.0	140.0	
42"		-	-	140.0	140.0	
45"		-	-	140.0	140.0	
48"		-	-	140.0	140.0	
51"		-	-	140.0	140.0	
54"		-	-	140.0	140.0	
57"		-	-	140.0	140.0	
60"		-	-	140.0	140.0	

MULLION/JAMB DESIGN LOAD CAPACITY-PSF WITHOUT INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		JAMB 'J2' JAMB 'J3' MULLION 'M2'		
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	
30"	120"	90.0	90.0	
33"		90.0	90.0	
36"		90.0	90.0	
39"		90.0	90.0	
42"		90.0	90.0	
45"		90.0	90.0	
48"		90.0	90.0	
51"		90.0	90.0	
54"		90.0	90.0	
57"		90.0	90.0	
60"		90.0	90.0	
30"		126"	90.0	90.0
33"			90.0	90.0
36"			90.0	90.0
39"	90.0		90.0	
42"	90.0		90.0	
45"	90.0		90.0	
48"	90.0		90.0	
51"	90.0		90.0	
54"	90.0		90.0	
57"	90.0		90.0	
30"	132"		90.0	90.0
33"			90.0	90.0
36"			90.0	90.0
39"			90.0	90.0
42"		90.0	90.0	
45"		90.0	90.0	
48"		90.0	90.0	
51"		90.0	90.0	
54"		90.0	90.0	
30"		138"	90.0	90.0
33"			90.0	90.0
36"			90.0	90.0
39"			90.0	90.0
42"			90.0	90.0
45"	90.0		90.0	
48"	90.0		90.0	
51"	90.0		90.0	
30"	145-3/4"		90.0	90.0
33"			90.0	90.0
36"			90.0	90.0
39"			90.0	90.0
42"			90.0	90.0
45"			90.0	90.0
48"		90.0	90.0	



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

OCT 13 2008

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 08-1119-06
Expiration Date 07/01/2014
By: *Manuel Perez*
Miami Dade Product Control
Division

af c
AL-FAROOQ CORPORATION
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1235 S.W. 87 AVE
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HP3060 ALUM. WINDOW WALL SYSTEM (S.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515
FAX. (305) 592-2184

no.	date	description
A	05.12.05	ALT. JAMB ADDED
B	10.10.08	NO CHANGE THIS SHEET

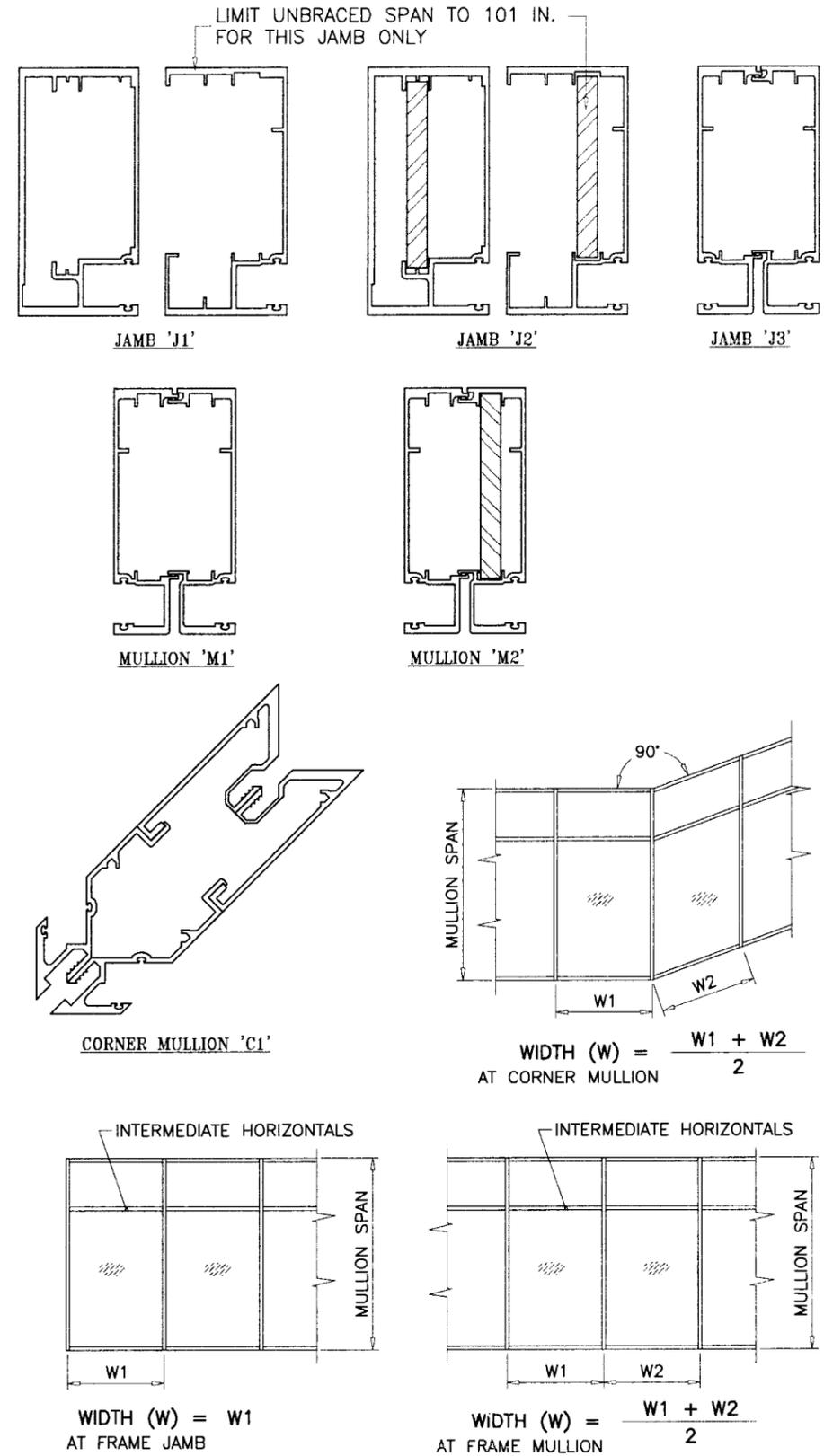
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dr. by: HAMID
chk. by:

drawing no.
W04-25
sheet 3 of 8

MULLION/JAMB DESIGN LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'J1' 'J2' 'J3' MULLION 'M1' CORNER MULL 'C1'		JAMB 'J1' 'J2' 'J3' MULLION 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	84"	100.0	120.0	140.0	140.0
33"		100.0	120.0	140.0	140.0
36"		100.0	120.0	140.0	140.0
39"		100.0	120.0	140.0	140.0
42"		100.0	120.0	140.0	140.0
45"		100.0	120.0	140.0	140.0
48"		100.0	120.0	140.0	140.0
51"		100.0	120.0	140.0	140.0
54"		100.0	120.0	140.0	140.0
57"		100.0	120.0	140.0	140.0
60"	100.0	120.0	140.0	140.0	
63"	100.0	120.0	135.6	135.6	
66"	100.0	120.0	129.4	129.4	
30"	90"	100.0	120.0	140.0	140.0
33"		100.0	120.0	140.0	140.0
36"		100.0	120.0	140.0	140.0
39"		100.0	120.0	140.0	140.0
42"		100.0	120.0	140.0	140.0
45"		100.0	120.0	140.0	140.0
48"		100.0	120.0	140.0	140.0
51"		100.0	120.0	140.0	140.0
54"		100.0	120.0	140.0	140.0
57"		100.0	120.0	139.9	139.9
60"	100.0	120.0	132.9	132.9	
63"	100.0	120.0	126.6	126.6	
66"	-	-	120.8	120.8	
30"	96"	100.0	120.0	140.0	140.0
33"		100.0	120.0	140.0	140.0
36"		100.0	120.0	140.0	140.0
39"		100.0	120.0	140.0	140.0
42"		100.0	120.0	140.0	140.0
45"		100.0	120.0	140.0	140.0
48"		100.0	120.0	140.0	140.0
51"		100.0	120.0	140.0	140.0
54"		100.0	120.0	138.4	138.4
57"		100.0	120.0	131.1	131.1
60"	-	-	124.6	124.6	
63"	-	-	118.7	118.7	
66"	-	-	113.3	113.3	

MULLION/JAMB DESIGN LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		MULLION 'M1' CORNER MULL 'C1'		JAMB 'J1' 'J2' 'J3' MULLION 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	102"	100.0	120.0	140.0	140.0
33"		100.0	120.0	140.0	140.0
36"		100.0	120.0	140.0	140.0
39"		100.0	120.0	140.0	140.0
42"		100.0	120.0	140.0	140.0
45"		100.0	120.0	140.0	140.0
48"		100.0	120.0	140.0	140.0
51"		100.0	120.0	137.9	137.9
54"		100.0	120.0	130.3	130.3
57"		-	-	123.4	123.4
60"	-	-	117.3	117.3	
63"	-	-	111.7	111.7	
66"	-	-	106.6	106.6	
30"	108"	100.0	120.0	140.0	140.0
33"		100.0	120.0	140.0	140.0
36"		100.0	120.0	140.0	140.0
39"		100.0	120.0	140.0	140.0
42"		100.0	120.0	140.0	140.0
45"		100.0	120.0	140.0	140.0
48"		100.0	120.0	138.4	138.4
51"		100.0	120.0	130.3	130.3
54"		-	-	123.0	123.0
57"		-	-	116.6	116.6
60"	-	-	110.7	110.7	
63"	-	-	105.5	105.5	
30"	114"	-	-	140.0	140.0
33"		-	-	140.0	140.0
36"		-	-	140.0	140.0
39"		-	-	140.0	140.0
42"		-	-	140.0	140.0
45"		-	-	139.9	139.9
48"		-	-	131.1	131.1
51"		-	-	123.4	123.4
54"		-	-	116.6	116.6
57"		-	-	110.4	110.4
60"	-	-	104.9	104.9	

MULLION/JAMB DESIGN LOAD CAPACITY-PSF WITH INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'J2' JAMB 'J3' MULLION 'M2'			
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)		
30"	120"	90.0	90.0		
33"		90.0	90.0		
36"		90.0	90.0		
39"		90.0	90.0		
42"		90.0	90.0		
45"		90.0	90.0		
48"		90.0	90.0		
51"		90.0	90.0		
54"		90.0	90.0		
57"		90.0	90.0		
30"	126"	90.0	90.0		
33"		90.0	90.0		
39"		90.0	90.0		
42"		90.0	90.0		
45"		90.0	90.0		
48"		90.0	90.0		
51"		90.0	90.0		
54"		90.0	90.0		
57"		90.0	90.0		
30"		132"	90.0	90.0	
33"	90.0		90.0		
39"	90.0		90.0		
42"	90.0		90.0		
45"	90.0		90.0		
48"	90.0		90.0		
51"	90.0		90.0		
54"	90.0		90.0		
30"	138"		90.0	90.0	
33"			90.0	90.0	
36"		90.0	90.0		
39"		90.0	90.0		
42"		90.0	90.0		
45"		90.0	90.0		
48"		90.0	90.0		
51"		90.0	90.0		
30"		145-3/4"	90.0	90.0	
33"			90.0	90.0	
36"	90.0		90.0		
39"	90.0		90.0		
42"	90.0		90.0		
45"	90.0		90.0		
48"	90.0		90.0		



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

OCT 13 2008

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 08-1119-064
Expiration Date 07/01/2014

By *Manuel Saez*
Miami Dade Product Control
Division

af c

AL-FAROOQ CORPORATION
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1235 S.W. 87 AVE
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HP3060 ALUM. WINDOW WALL SYSTEM (S.M.I.)

R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515
FAX. (305) 592-2184

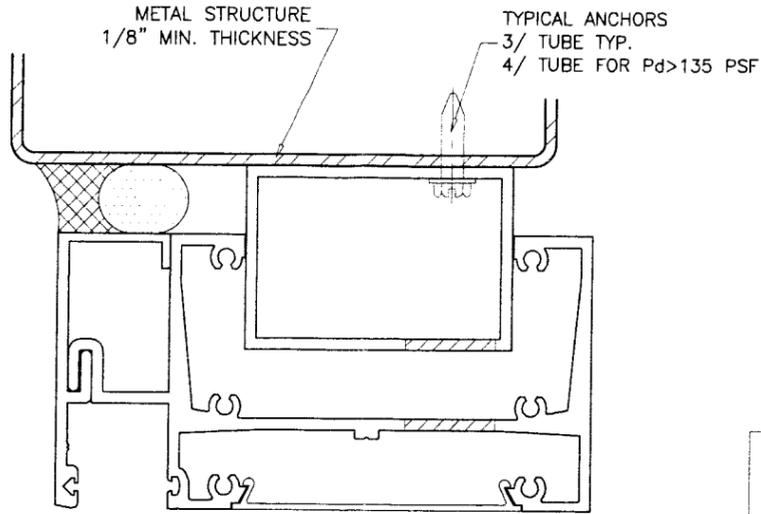
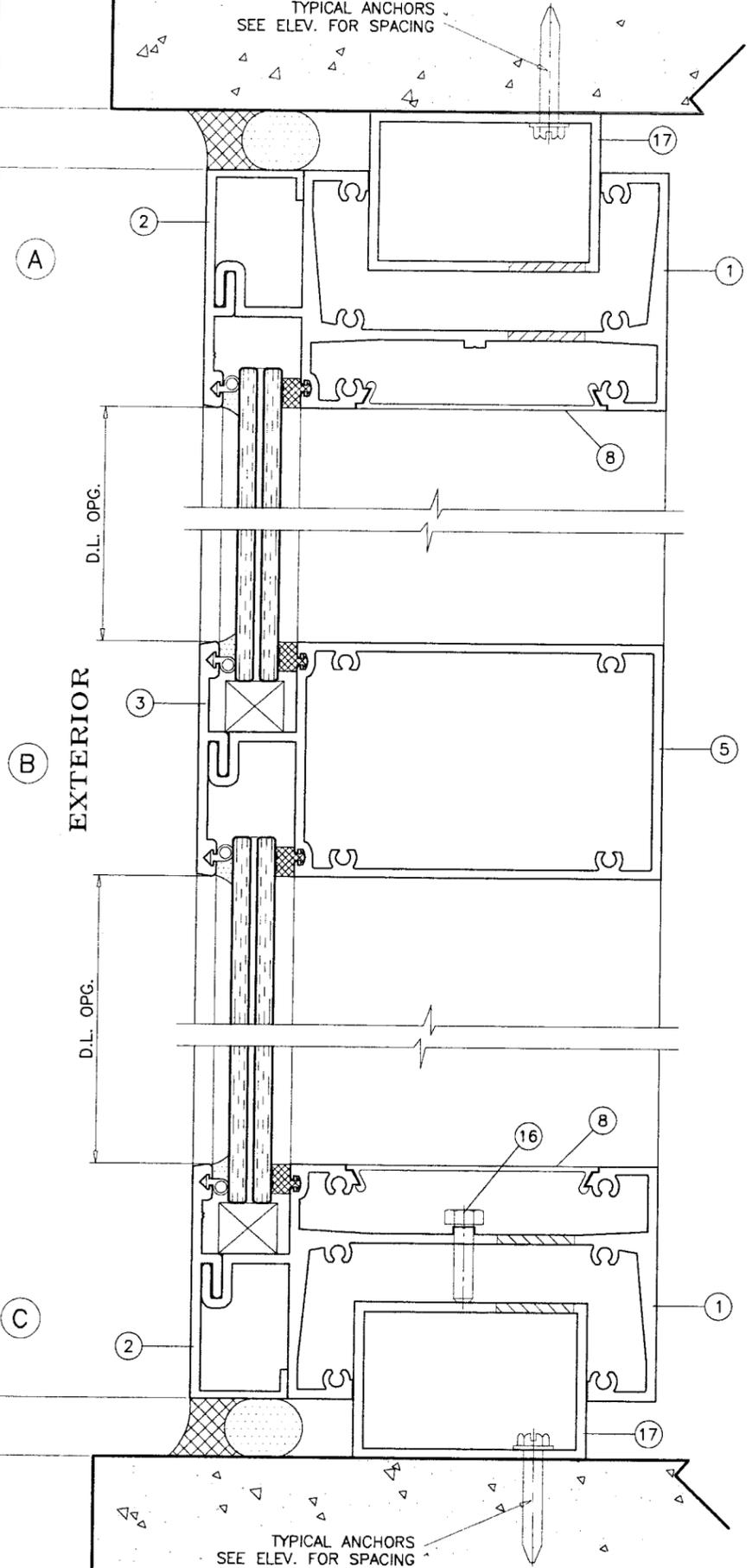
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A	05.12.05	ALT. JAMB ADDED	
B	10.10.08	NO CHANGE THIS SHEET	

revisions:

date: 03-22-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-25
sheet 4 of 8

3/4" MAX. FRAME HEIGHT



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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)
 DIRECTLY INTO CONCRETE (3000 PSI MIN)
 1-5/8" MIN. EMBED INTO CONCRETE
1/4" HILTI KWIK-FLEX SELF DRILLING SCREWS (Fu=92 KSI, Fy=120 KSI)
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T6 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
ANCHOR EDGE DISTANCES
 INTO CONCRETE = 2-1/2" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

SEALANTS:
 ALL FRAME CORNERS AND MULLION SEAMS SEALED WITH SILICONE.

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 F.L.A. PE # 18557
 C.A.N. 3538
 OCT 13 2008

PRODUCT REVISED
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 Building Code
 Acceptance No 08-119-06
 Expiration Date 07/01/2014
 By *Manuel Perez*
 Miami Dade Product Control
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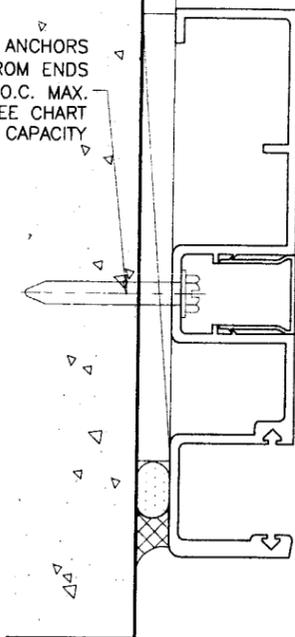
HP3060 ALUM. WINDOW WALL SYSTEM (S.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
 2805 N.W. 75 TH AVE.
 MIAMI, FL. 33122
 TEL. (305) 592-1515 FAX. (305) 592-2184

revisions:		date:	scale:	dr. by:	chk. by:
no	description				
A	ANCHOR EMBED REV.	05.12.05	1/2" = 1"	HAMID	
B	UPDATED FOR 2007 FBC	10.10.08			

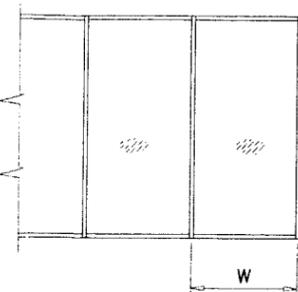
drawing no. **W04-25**
 sheet 5 of 8

TYPICAL ANCHORS
AT 4" FROM ENDS
AND 12" O.C. MAX.
SEE CHART
FOR CAPACITY

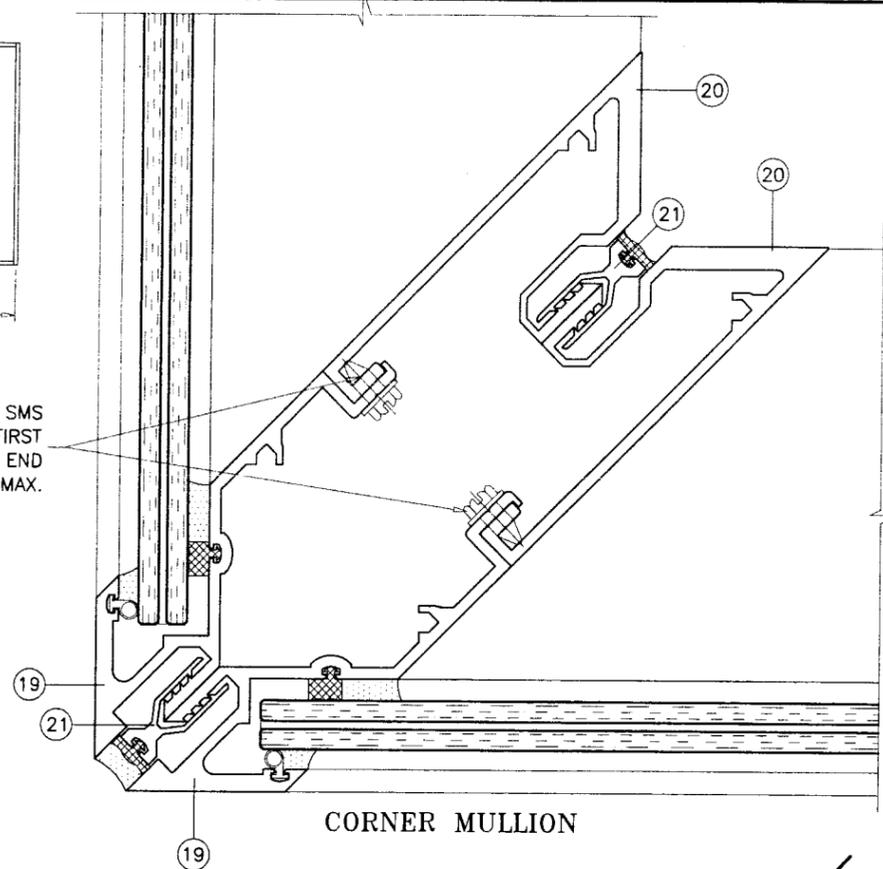
MAX. SHIM SPACE
SEE CHART



JAMB ANCHORS DESIGN LOAD CAPACITY - PSF						
WIDTH (W)	1/4" MAX. SHIM		3/8" MAX. SHIM		1/2" MAX. SHIM	
	TYPE 'A'	TYPE 'B'	TYPE 'A'	TYPE 'B'	TYPE 'A'	TYPE 'B'
	EXT. (+) INT. (-)					
42"	140.0	140.0	140.0	140.0	140.0	119.0
48"	140.0	140.0	140.0	128.0	140.0	104.0
54"	140.0	140.0	140.0	113.0	140.0	92.0
57"	140.0	140.0	140.0	107.0	140.0	88.0
60"	140.0	140.0	140.0	102.0	140.0	83.0
63"	140.0	140.0	140.0	97.0	140.0	79.0
66"	140.0	140.0	140.0	93.0	138.0	76.0
69"	139.0	140.0	139.0	89.0	132.0	72.0
72"	133.0	140.0	133.0	85.0	126.0	69.0



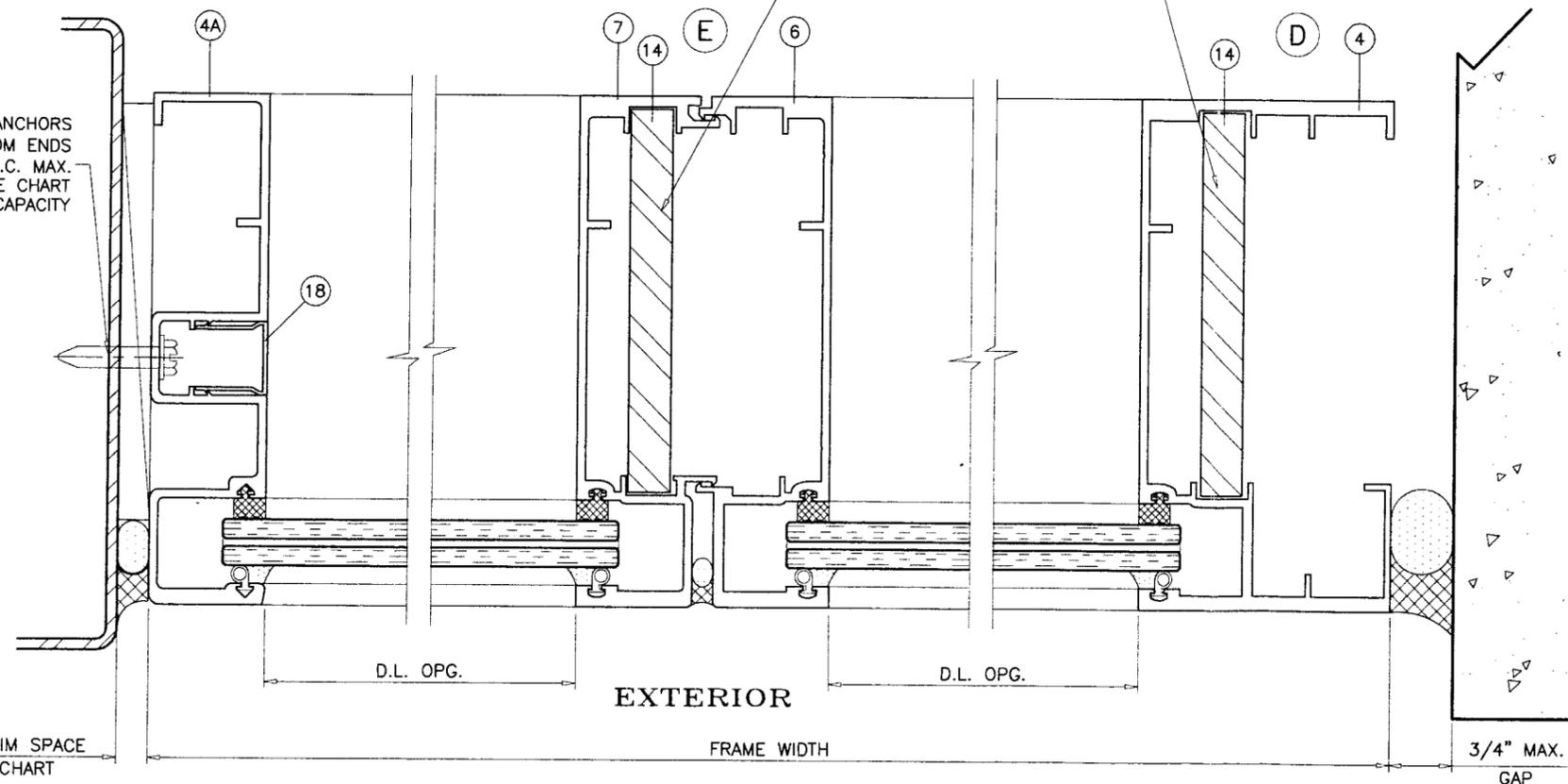
#14 X 1/2" SMS
AT 3" O.C. FOR FIRST
24" FROM EACH END
REST AT 6" O.C. MAX.



CORNER MULLION

STEEL BAR
SEE SHEET 3 & 4 FOR CAPACITY
STEEL TO BE PAINTED OR PLATED
AND SET IN MULLION CAVITY WITH SILICONE
LENGTH = FRAME HEIGHT - 24 IN. TYP.

TYPICAL ANCHORS
AT 4" FROM ENDS
AND 12" O.C. MAX.
SEE CHART
FOR CAPACITY



EXTERIOR

D.L. OPG.

D.L. OPG.

FRAME WIDTH

3/4" MAX.
GAP

MAX. SHIM SPACE
SEE CHART

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

OCT 13 2008

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By *Muhammad*
Miami/Dade Product Control
Division

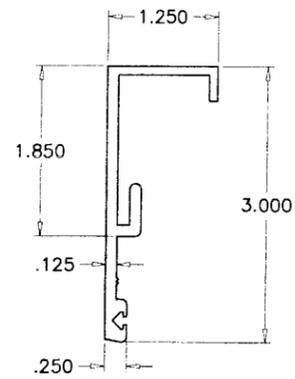
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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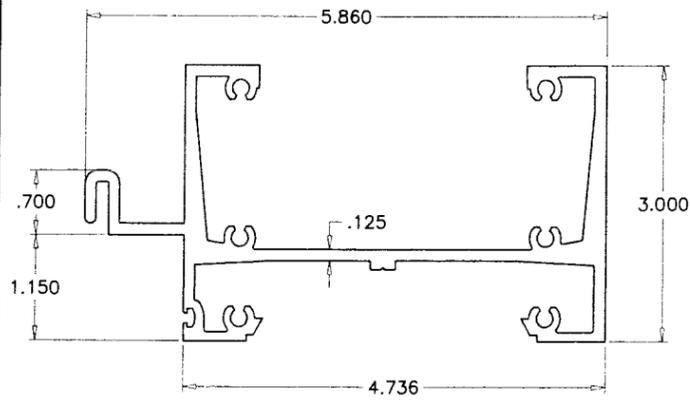
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B	10.10.08	UPDATED FOR 2007 FBC

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chk. by:

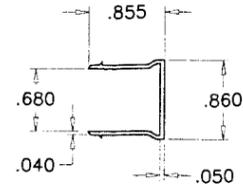
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W04-25
sheet 6 of 8



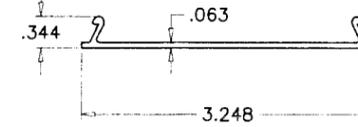
② GLAZING RETAINER HEAD/SILL



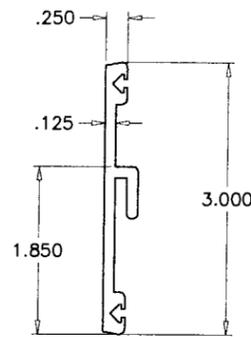
① FRAME HEAD/SILL



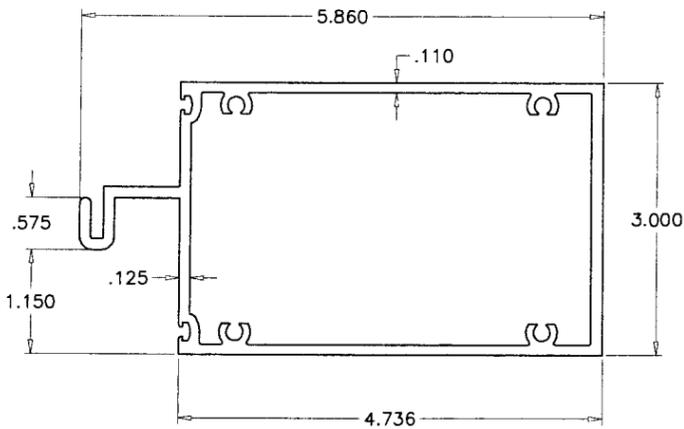
⑱ SNAP-IN COVER JAMB



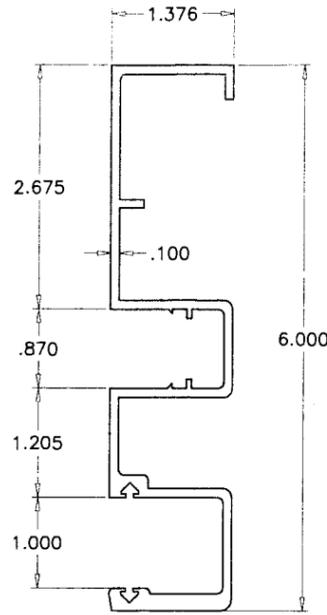
⑧ SNAP-IN COVER HEAD/SILL



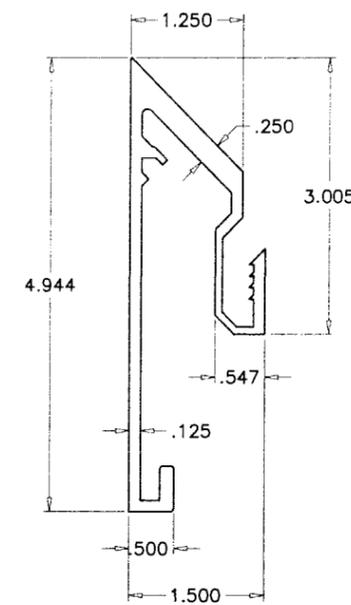
③ GLAZING RETAINER HORIZONTAL



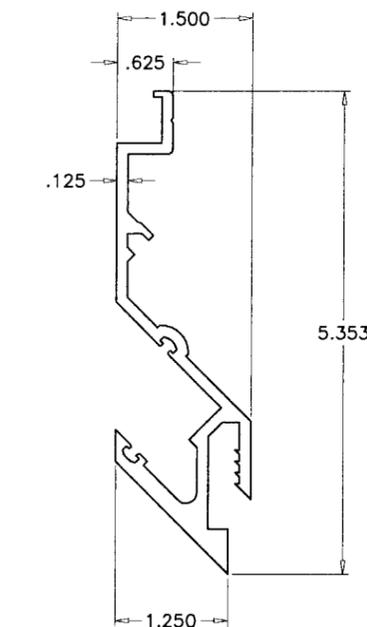
⑤ HORIZONTAL



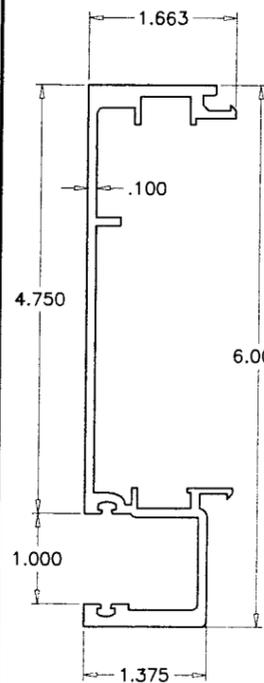
④A ALT. FRAME JAMB



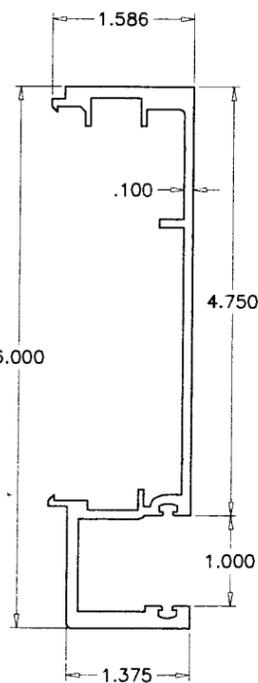
⑳ CORNER MULLION (INTERIOR)



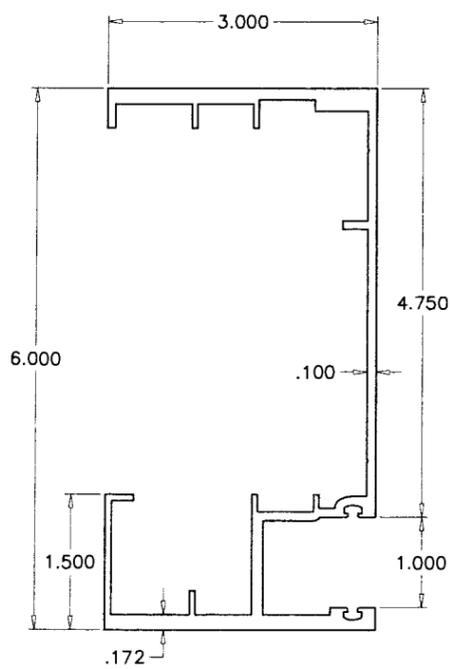
⑲ CORNER MULLION (EXTERIOR)



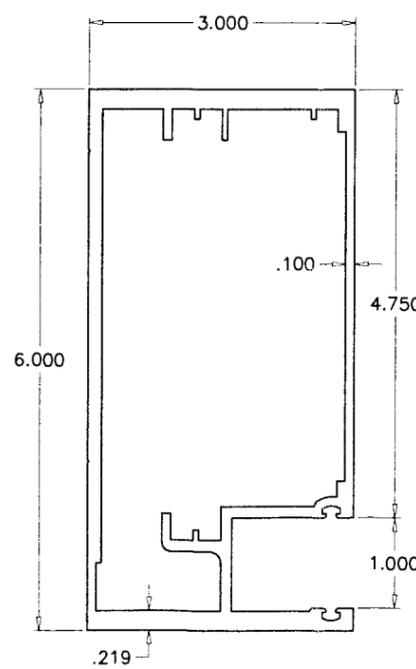
⑦ MALE MULLION



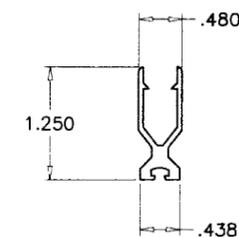
⑥ FEMALE MULLION



④ FRAME JAMB



④B ALT. FRAME JAMB



⑳ CORNER MULLION LOCK

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
F.L.A. PE # 16557
C.A.N. 3538

OCT 13 2008

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 08-1119.06
Expiration Date 07/01/2014
By *Manuel Serv*
Miami Dade Product Control
Division

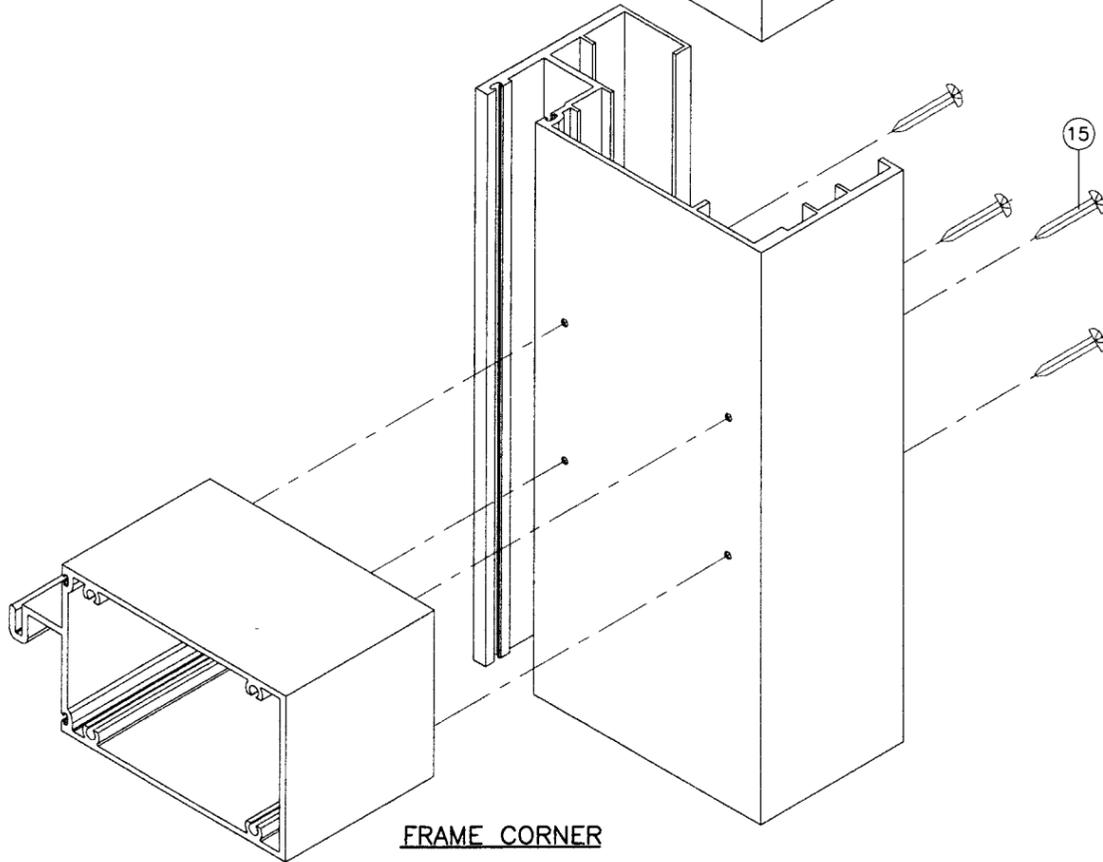
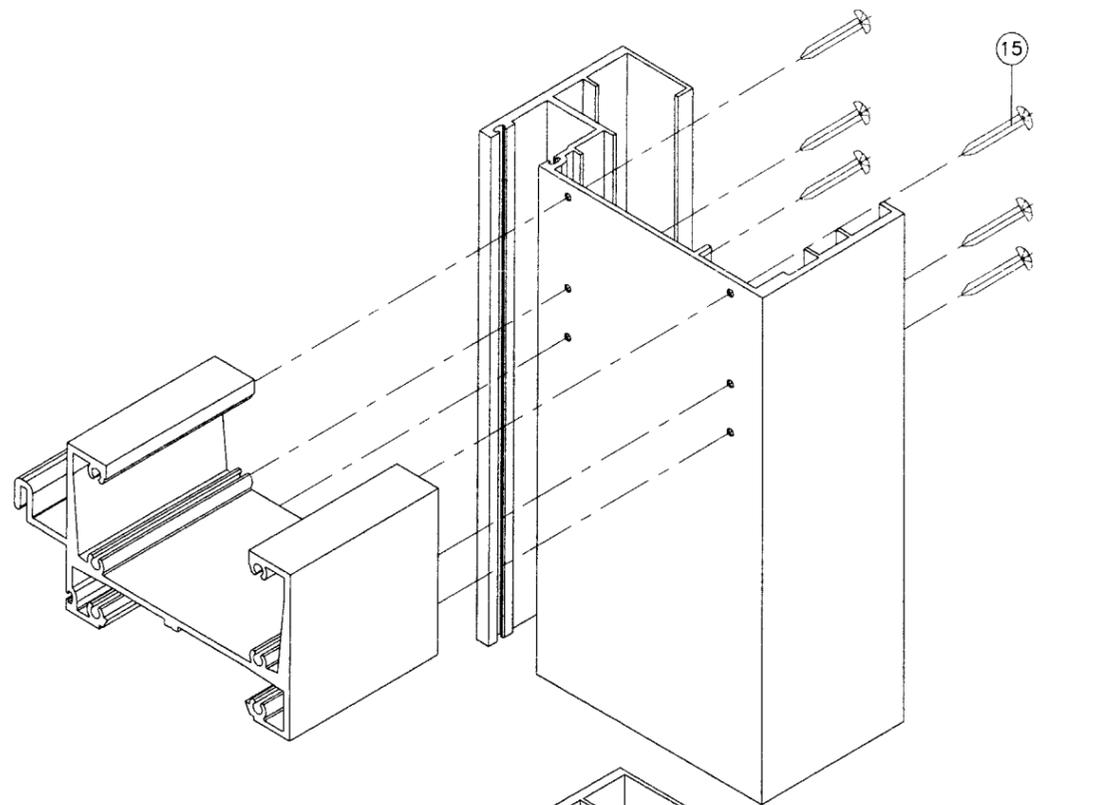
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
12335 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W04-25RC

HP3060 ALUM. WINDOW WALL SYSTEM (S.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

Revisions:

no	date	by	description
A	05.12.05		ALT. JAMB ADDED
B	10.10.08		NO CHANGE THIS SHEET

date: 03-22-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no.
W04-25
sheet 7 of 8



FRAME CORNER

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	HP3060-051	AS REQD.	FRAME HEAD/SILL	6005-T5	-
2	FX345-006	AS REQD.	GLAZING RETAINER (HEAD/SILL)	6063-T6	-
3	FX345-005	AS REQD.	GLAZING RETAINER (HORIZONTAL)	6063-T6	-
4	HP3060-036	AS REQD.	FRAME JAMB	6063-T6	-
4A	HP3060-022	AS REQD.	ALT. FRAME JAMB	6063-T6	-
4B	HP3060-068	AS REQD.	ALT. FRAME JAMB	6063-T6	-
5	HP3060-041	AS REQD.	HORIZONTAL	6063-T6	-
6	HP3060-037	AS REQD.	FEMALE MULLION	6063-T6	-
7	HP3060-038	AS REQD.	MALE MULLION	6063-T6	-
8	HP3060-011	AS REQD.	SNAP-IN COVER HEAD/SILL	6063-T6	-
9	WV-8215	AS REQD.	GLAZING GASKET	VINYL	WIBORG
10	WV-3289	AS REQD.	BULB WEATHERSTRIPPING	VINYL	WIBORG
11	-	2/ LITE	SETTING BLOCKS (3/4" X 5/8" X 4")	NEOPRENE	LOWE
12	-	-	SEALANT DOW CORNING 791	SILICONE	-
13	-	-	SEALANT DOW CORNING 795	SILICONE	-
14	-	AS REQD.	REINFORCING BAR (1/2" X 4-1/2")	STEEL	SILICONED IN PLACE
15	-	AS REQD.	FRAME ASSEMBLY SCREWS	-	# 12 X 1-1/4" PH SMS
16	-	AS REQD.	LEVELING SCREWS	-	1/4-20 X 3/4" HH MS
17	-	AS REQD.	ANCHOR TUBE (2 X 3 X 1/8")	-	7" LONG
18	245FX-011	AS REQD.	SNAP-IN COVER JAMB	6063-T5	-
19	HP3060-057	AS REQD.	CORNER MULLION (EXTERIOR)	6063-T6	-
20	HP3060-058	AS REQD.	CORNER MULLION (INTERIOR)	6063-T6	-
21	HP3060-059	AS REQD.	CORNER MULLION LOCK	6063-T6	-

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