



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

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 "A" on 05/12/05, 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

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** NOA # **04-0517.02** 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 **Herminio F. Gonzalez, P.E., Director, BCCO**



NOA No 05-0815.03
Expiration Date: July 01, 2009
Approval Date: November 03, 2005
Page 1

R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturers die drawings and sections.
2. 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 revision "A" on 05/12/05, 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
 - 6) Forced Entry Resistant Test, per FBC 2411.3.2.1 (b) and TAS 202-94

along with marked-up drawings and installation diagram of 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"

2. 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 2411.3.2.1 (b) and TAS 202-94

along with marked-up drawings and installation diagram of 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"

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

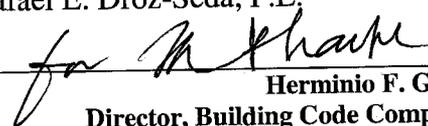
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-02-1266**, dated 11/15/02, signed and sealed by Rafael E. Droz-Seda, P.E.

"Submitted under NOA# 04-0517.02"

4. 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 & 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"



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office

NOA No 05-0815.03

Expiration Date: July 01, 2009

Approval Date: November 03, 2005

R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. Tensile Test prepared by Hurricane Engineering & 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”

C. CALCULATIONS

1. Revised Anchor Calculations, and structural analysis, prepared by AL-Farooq Corporation, dated 06/13/05, signed and sealed by Humayoun Farooq, P.E.
2. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by AL-Farooq Corporation, dated 05/05/04, signed and sealed by Humayoun Farooq, P.E.
“Submitted under NOA# 04-0517.02”

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

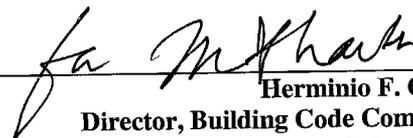
1. Notice of Acceptance No. **00-1212.04** issued to E.I. DuPont DeNemours for “Dupont Butacite ® PVB”, dated 02/15/01, expiring on 12/12/05.

F. STATEMENTS

1. Statement letter of no financial interest, dated 06/13/05 signed and sealed by Huamyoun Farooq, P.E.
2. Statement letter of Code Compliance issued by AL- Farooq Corporation, on 06/13/05 signed and sealed by Humayoun Farooq, P.E.

G. OTHER

1. Letter from the consultant, dated 10/04/05, stating that the product is in compliance with the Florida Building Code (FBC).
2. Notice of Acceptance No. **04-0517.02**, issued to R.C. Aluminum for their “Series HP 3060 Alum. Window Wall System (S.M.I.)”, approved on 07/01/04 and expiring on 07/01/09.

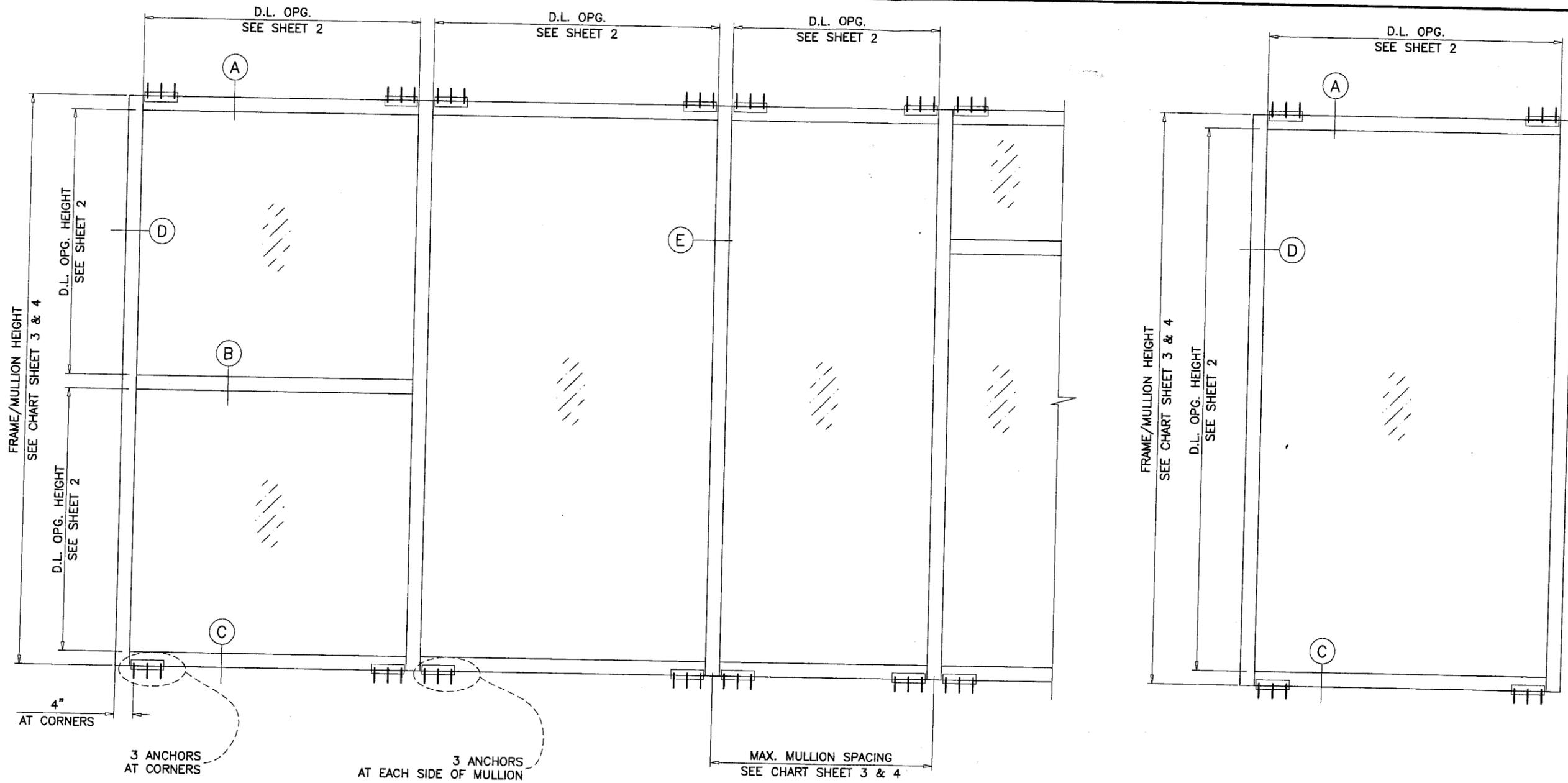


Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office

NOA No 05-0815.03

Expiration Date: July 01, 2009

Approval Date: November 03, 2005



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 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE.

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.

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

ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

A 33% INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF WOOD ANCHORS ONLY.

INSTRUCTIONS:

- USE CHARTS AS FOLLOWS.
- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT 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 AND JAMBS CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 3 & 4. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.

PRODUCT REVIEWED
 as complying with the Florida Building Code
 Acceptance No. **05-0815-03**
 Expiration Date **02/01/09**
 By *M. Hamid*
 Miami Dade Product Control Division

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 JUN 23 2008

afc

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 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.

revisions:

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

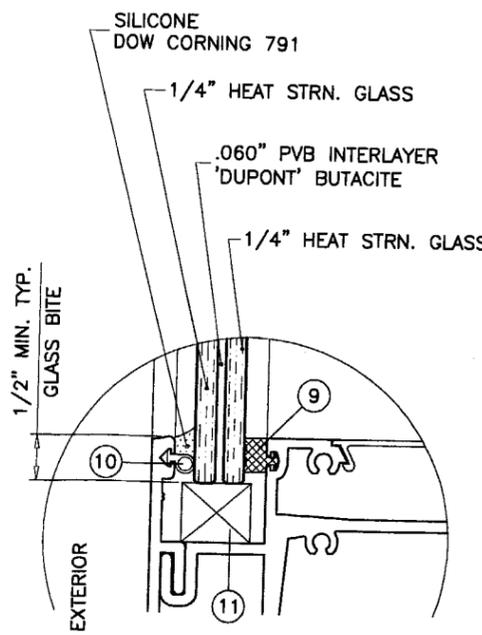
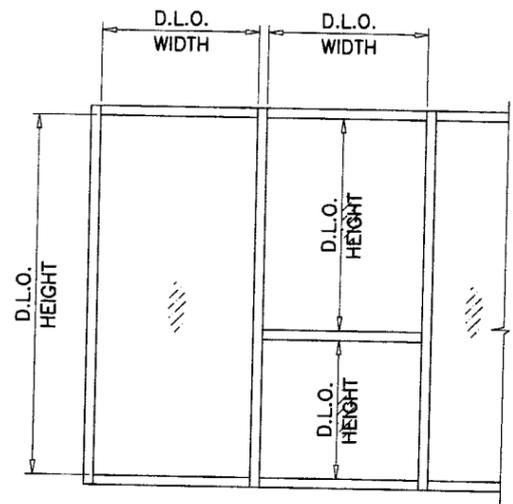
drawing no.
W04-25

sheet 1 of 8

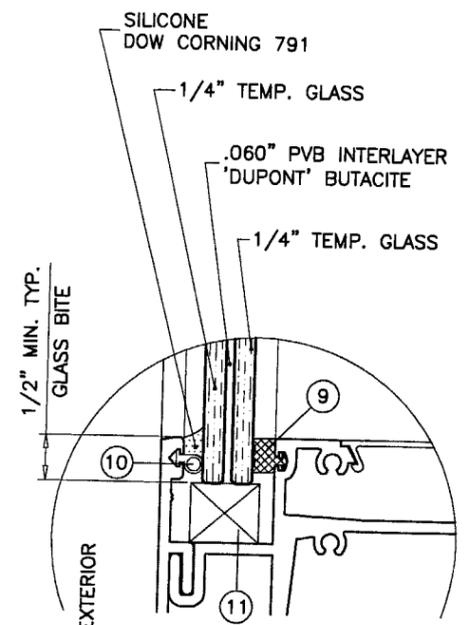
GLASS DESIGN LOAD CAPACITY - PSF				
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	
33"	66"	140.0	140.0	
36"		140.0	140.0	
39"		140.0	140.0	
42"		140.0	140.0	
45"		140.0	140.0	
48"		140.0	140.0	
51"		140.0	140.0	
54"		140.0	140.0	
57"		140.0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

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

NOTE:
 GLASS CAPACITY CHART IS BASED ON ASTM E1300-02 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.



GLASS TYPE 'A'
 9/16" OVERALL GLASS



GLASS TYPE 'B'
 9/16" OVERALL GLASS

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-0815.03
 Expiration Date 02/01/09
 By: *M. H. H.*
 Miami Dade Product Control
 Division

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 JAN 23 2009

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
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no	date	description
A	05.12.05	CHART REV.

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

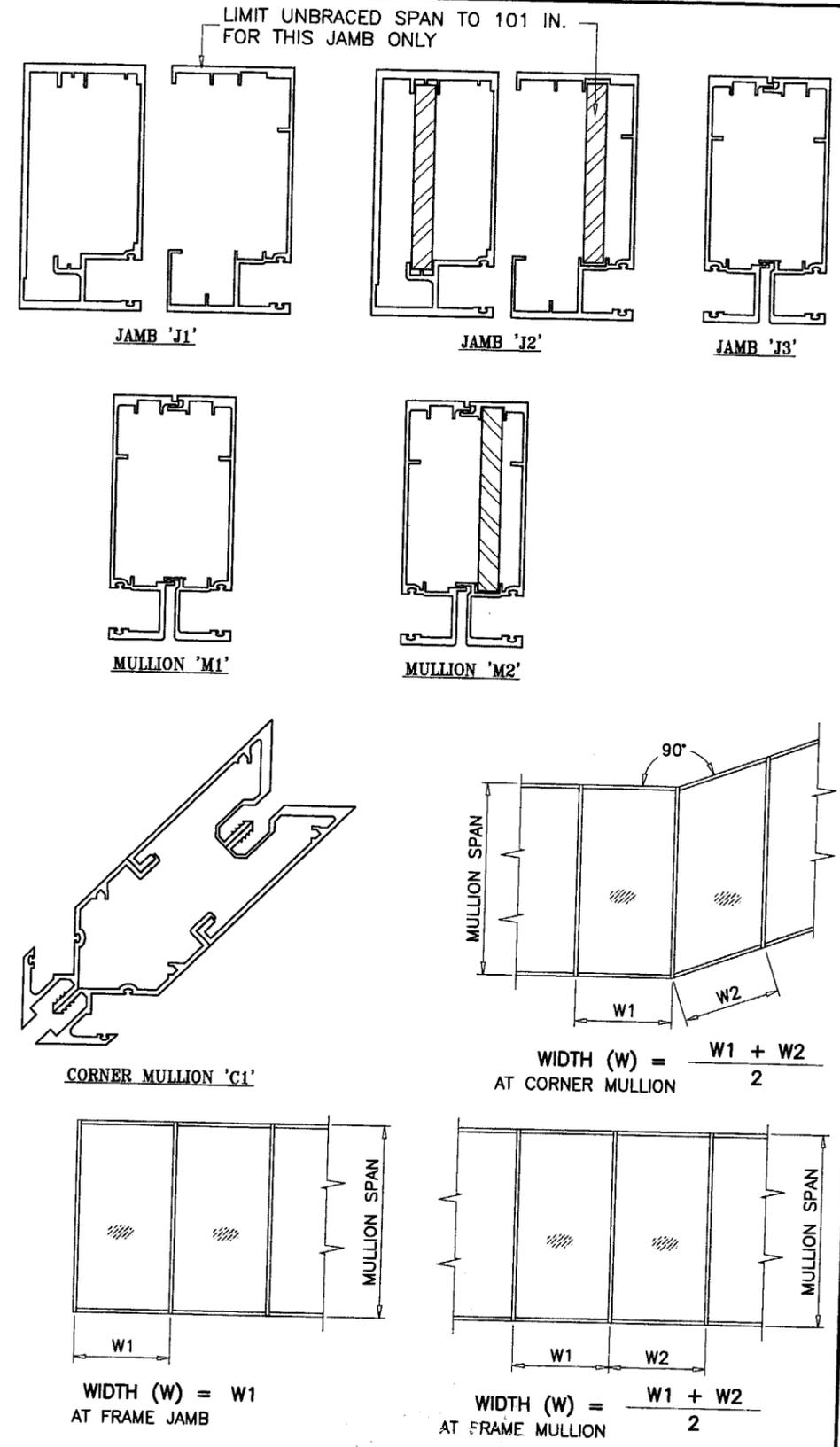
drawing no.
W04-25
 sheet 2 of 8

STORE\W04-25RC

MULLION/JAMB DESIGN LOAD CAPACITY - PSF						
NOMINAL DIMS.		JAMB 'J1' 'J2' 'J3'		JAMB 'J1' 'J2' 'J3'		
WIDTH (W)	FRAME HEIGHT	MULLION 'M1' CORNER MULL 'C1'		MULLION 'M2'		
		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						
NOMINAL DIMS.		JAMB 'J1' 'J2' 'J3'		JAMB 'J1' 'J2' 'J3'		
WIDTH (W)	FRAME HEIGHT	MULLION 'M1' CORNER MULL 'C1'		MULLION 'M2'		
		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				
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	



PRODUCT REVIEW
 as complying with the Florida
 Building Code
 Acceptance No 05-0815-03
 Expiration Date 03/01/09
 By *M. Khalil*
 Miami Dade Product Control
 Division

Engr. DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 JUN 23 2009

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE\W04-25RC

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

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

no	date	description
A	05.12.05	ALT. JAMB ADDED

revisions:

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

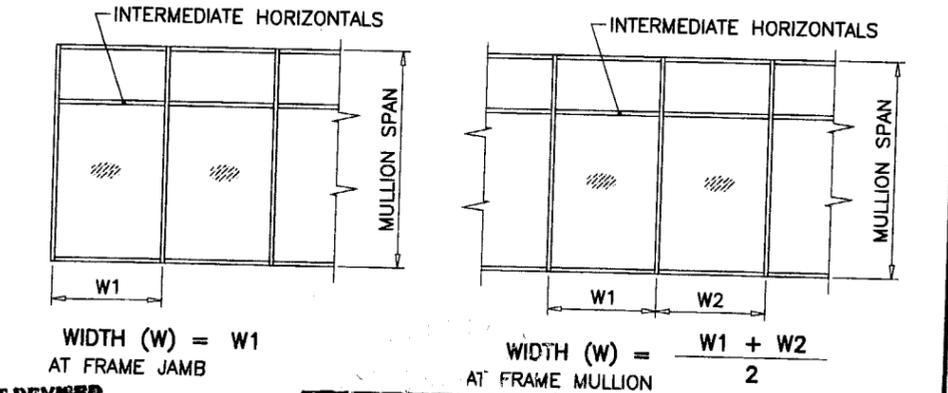
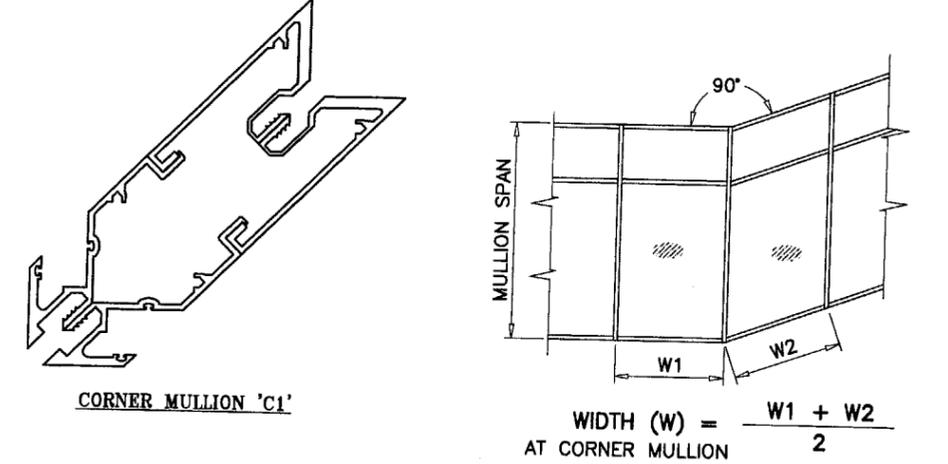
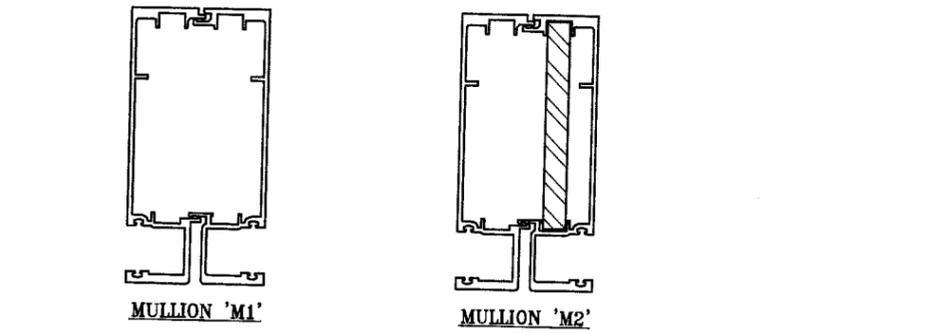
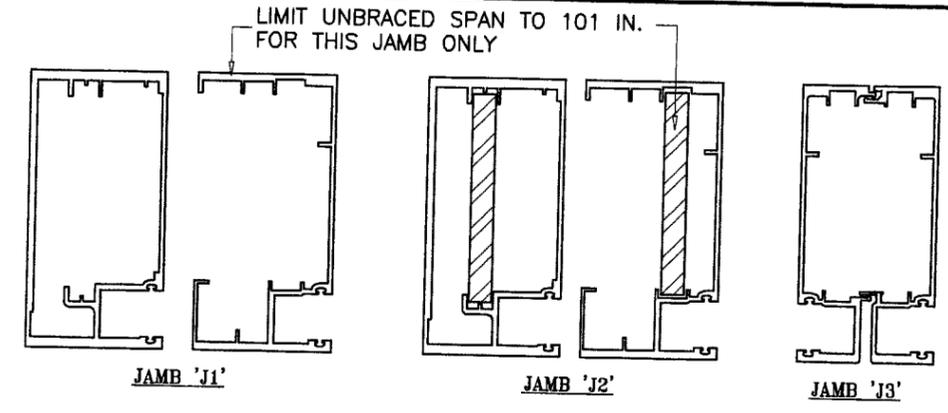
drawing no.
W04-25

sheet 3 of 8

MULLION/JAMB DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS.		JAMB 'J1' 'J2' 'J3'		MULLION 'M1' CORNER MULL 'C1'	
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					
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					
NOMINAL DIMS.		JAMB 'J2' '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		



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-0815-03
 Expiration Date 03/01/09
 By: *M. Khalil*
 Miami Dade Product Control
 Division

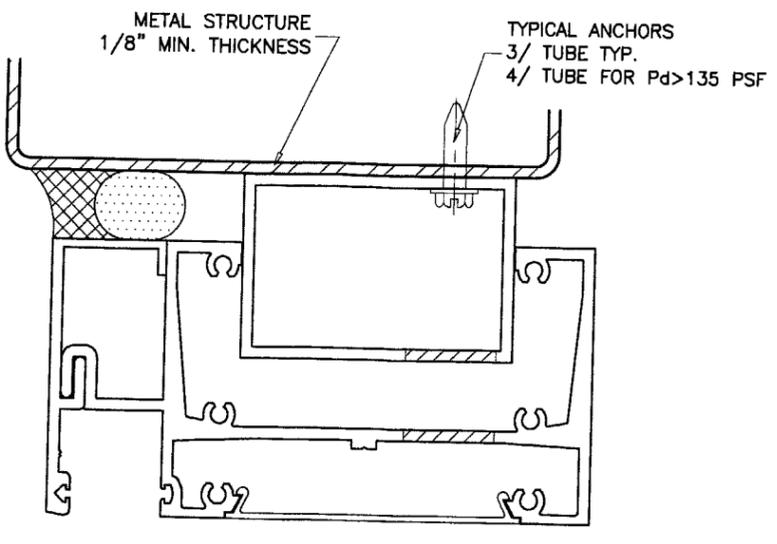
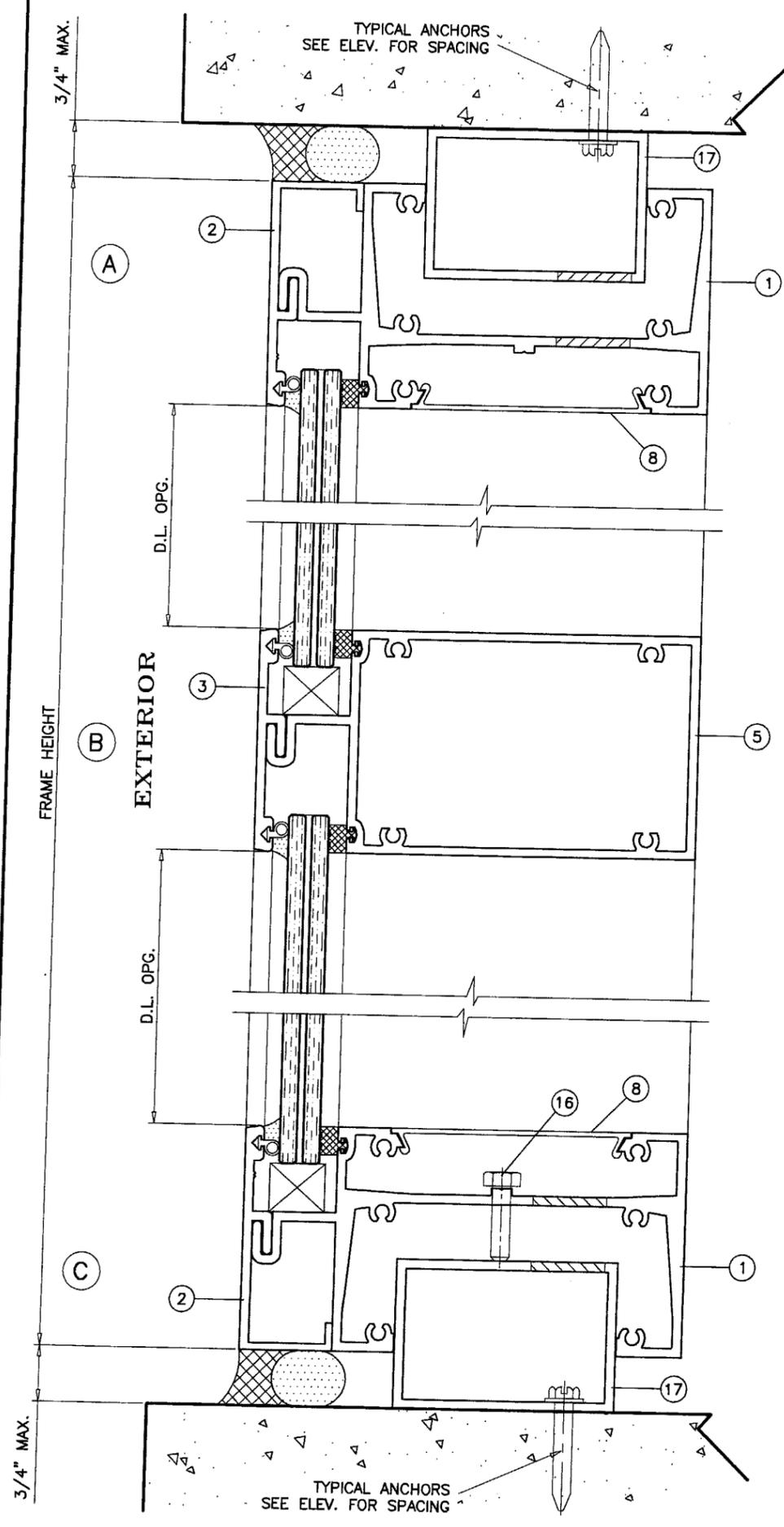
Engr. DR. HUMAYOON FAROOQ
 STRUCTURE'S
 FLA. PE # 16557
 C.A.N. 3538
 JUN 23 2009

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revisions:	no	date	description
	A	05.12.05	ALT. JAMB ADDED
date:	03-22-04	scale:	1/2" = 1"
dr. by:	HAMID	chk. by:	
drawing no.	W04-25		
sheet	4 of 8		

STORE/W04-25RC



WOOD BUCKS AND 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

- A) 1/4" HILTI KWIK CON II
DIRECTLY INTO CONC.
WITH 1-5/8" MIN. EMBED INTO CONC.
TYPICAL EDGE DISTANCE = 3" MIN.
LESSER EDGE DISTANCE TO BE CHECKED ON JOB TO JOB BASIS.
- B) 1/4-20 KWIK-FLEX SELF DRILLING SCREWS BY 'HILTI'
INTO METAL STRUCTURES
(STEEL OR ALUMINUM 1/8" MIN. THICK.)
STEEL : Fy = 36 KSI MIN.
ALUMINUM : 6063-T5 MIN.

SEALANTS:

ALL FRAME CORNERS AND MULLION SEAMS SEALED WITH SILICONE.

PRODUCT REVIEW
as complying with the Florida
Building Code
Acceptance No. 05-0815.03
Expiration Date 07/01/09
By *[Signature]*
Miami Dade Product Control
Division

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
F.I.A. PE # 16557
C.A.N. 3538
[Signature]
JUN 23 2009

afc
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 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

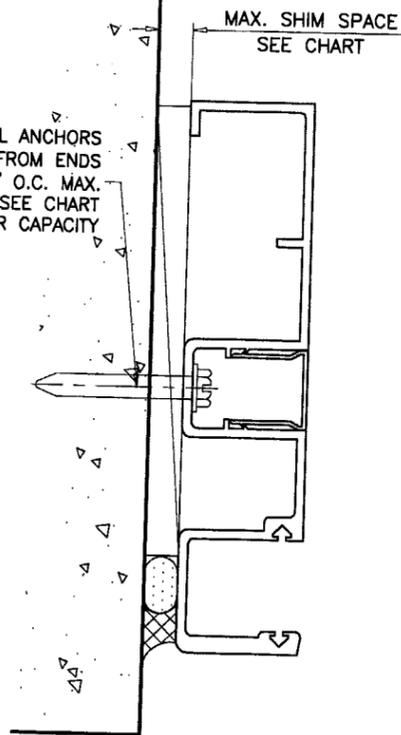
no	date	description
A	05.12.05	ANCHOR EMBED REV.

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

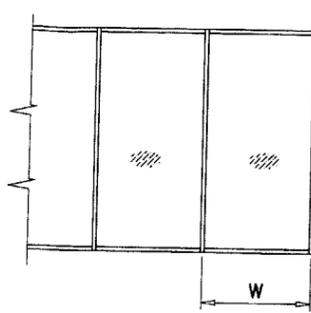
drawing no.
W04-25

sheet 5 of 8

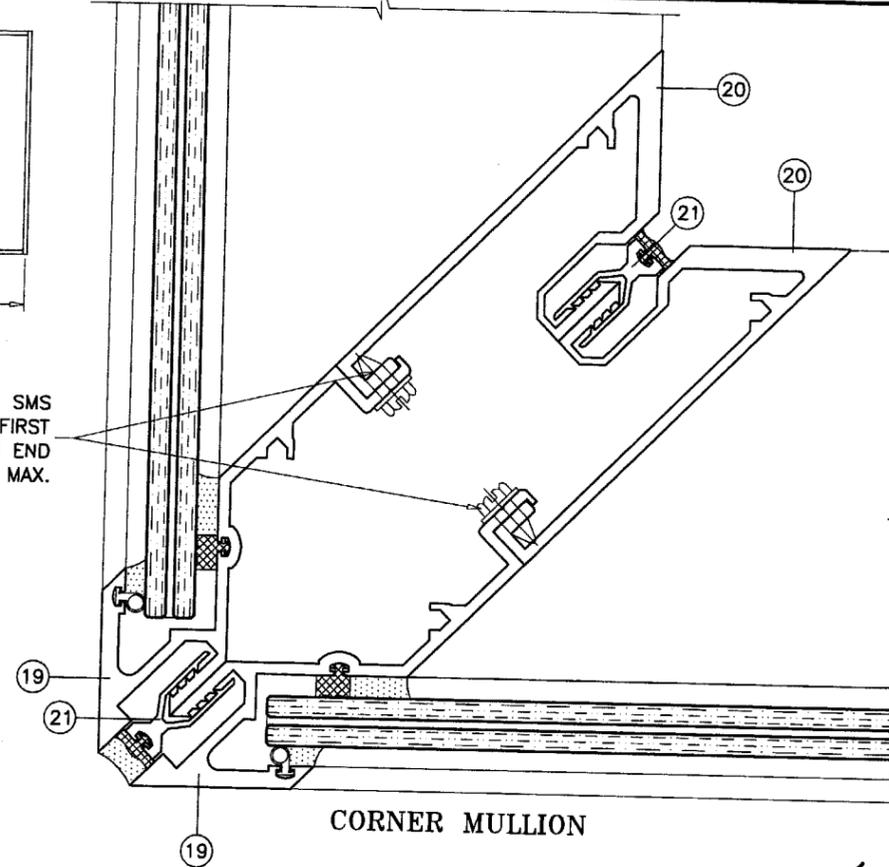
TYPICAL ANCHORS
AT 4" FROM ENDS
AND 12" O.C. MAX.
SEE CHART
FOR CAPACITY



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	134.2	140.0	118.9
48"	140.0	140.0	140.0	117.5	127.5	104.0
54"	140.0	140.0	129.8	104.4	113.3	92.4
57"	140.0	140.0	122.9	98.9	107.3	87.6
60"	140.0	140.0	116.8	94.0	102.0	83.2
63"	140.0	140.0	111.2	89.5	97.1	79.2
66"	140.0	140.0	106.2	85.5	92.7	75.6
69"	140.0	137.3	101.6	81.7	88.7	72.3
72"	140.0	131.7	97.3	78.3	85.0	69.5

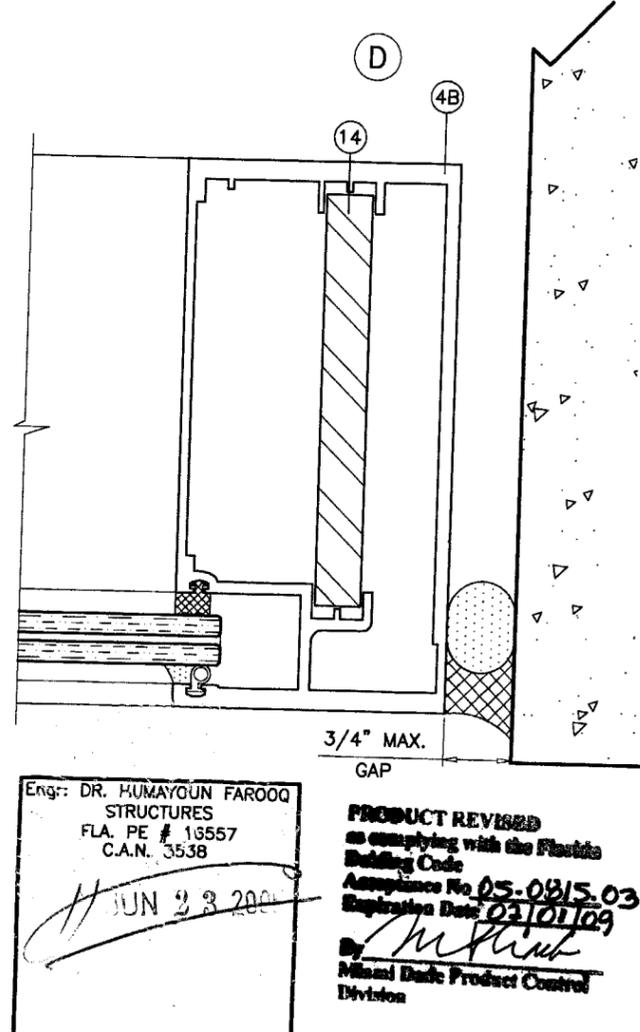
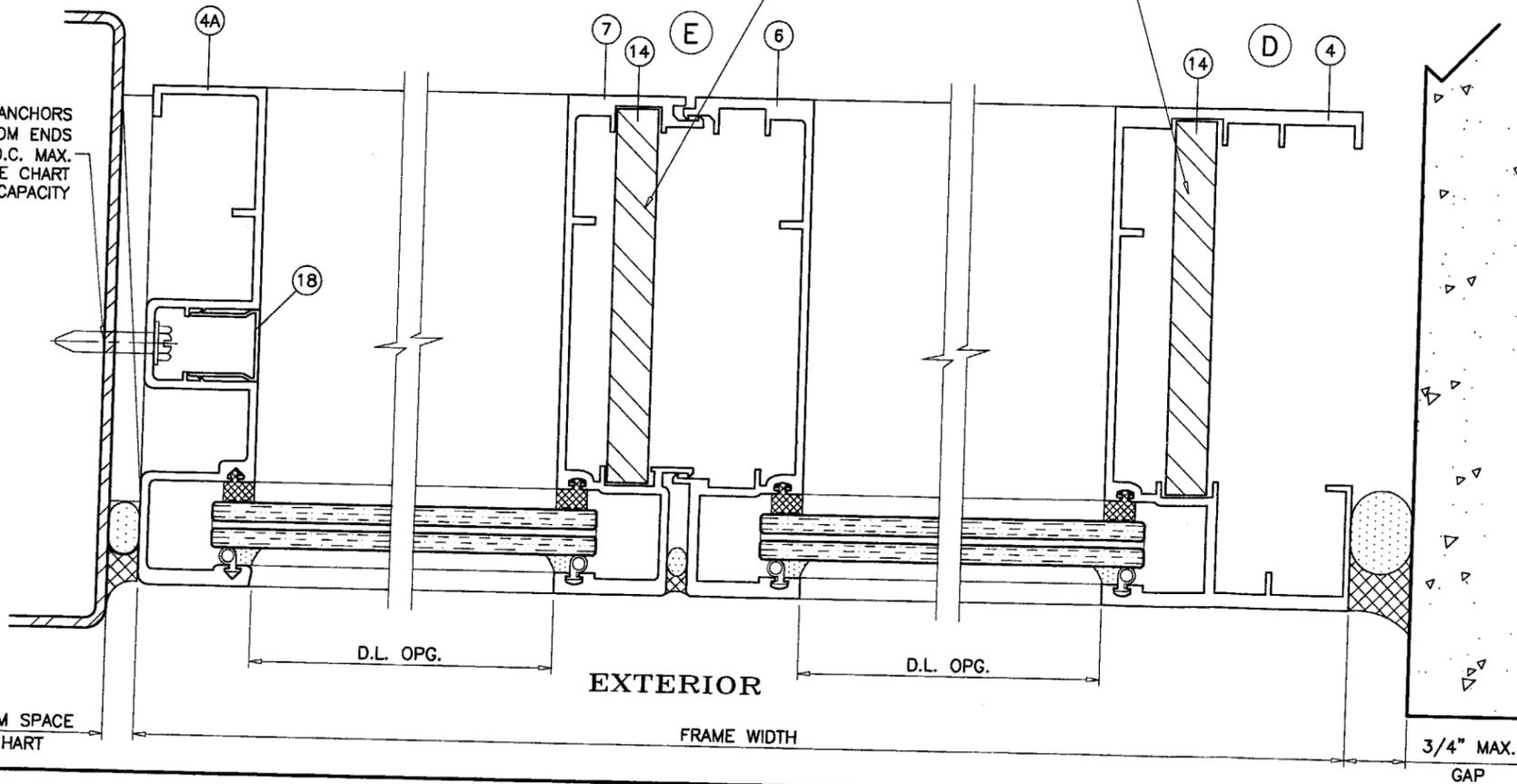


#14 X 1/2" SMS
AT 3" O.C. FOR FIRST
24" FROM EACH END
REST AT 6" O.C. MAX.



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



Eng: DR. HUMAYGUN FAROOQ
STRUCTURES
FLA. PE # 13557
C.A.N. 3538

JUN 23 2009

PRODUCT REVISED
as complying with the Florida
Building Code
Approval No. 05-0815.03
Expiration Date 02/01/09
By: *M. Hamid*
Miami Dade Product Control
Division

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

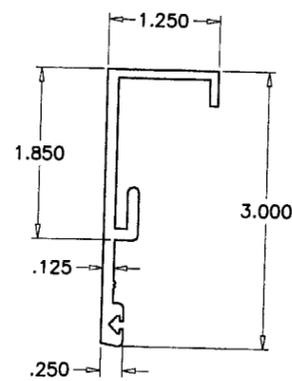
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

no	date	description
A	05.12.05	ALT. JAMB ADD. CHART REV.

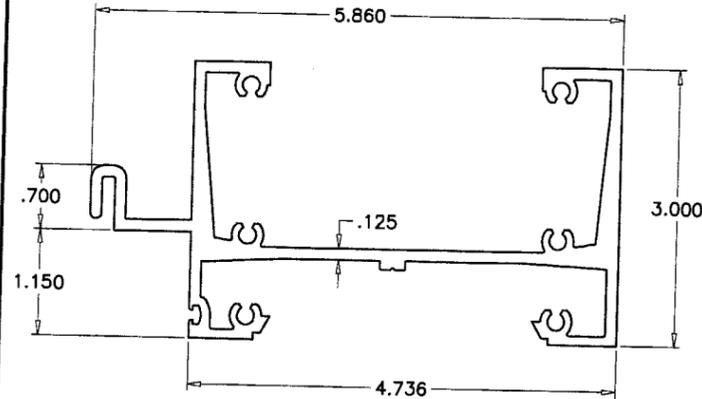
date: 03-22-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-25
sheet 6 of 8

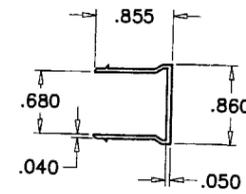
STORE W04-25RC



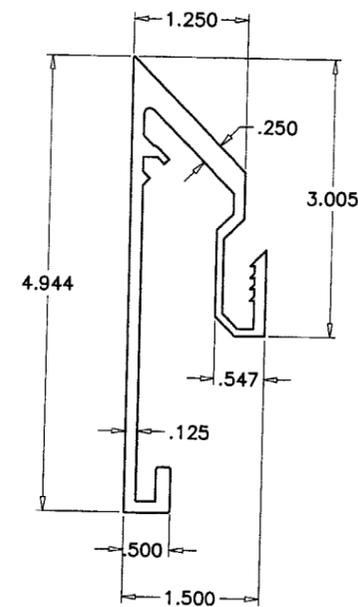
② GLAZING RETAINER HEAD/SILL



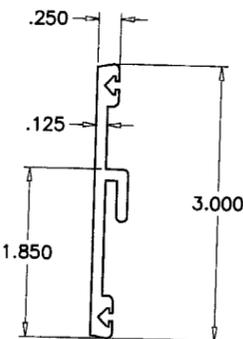
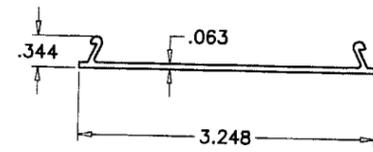
① FRAME HEAD/SILL



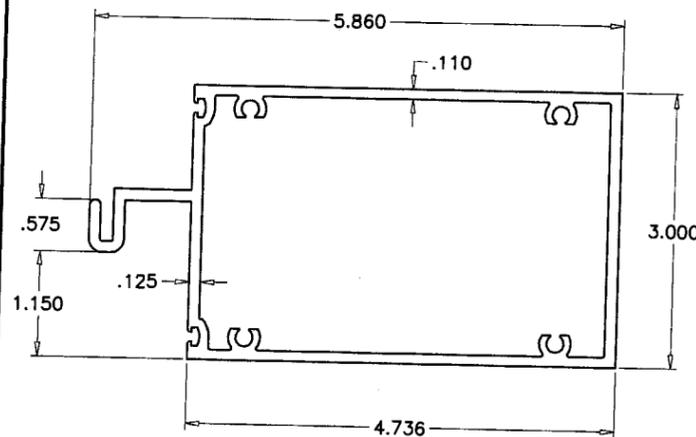
⑱ SNAP-IN COVER JAMB



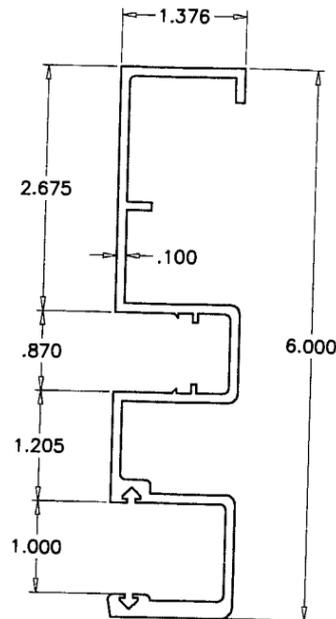
⑧ SNAP-IN COVER HEAD/SILL



③ GLAZING RETAINER HORIZONTAL

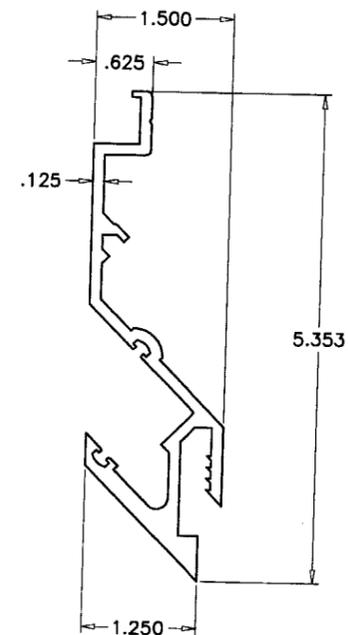


⑤ HORIZONTAL

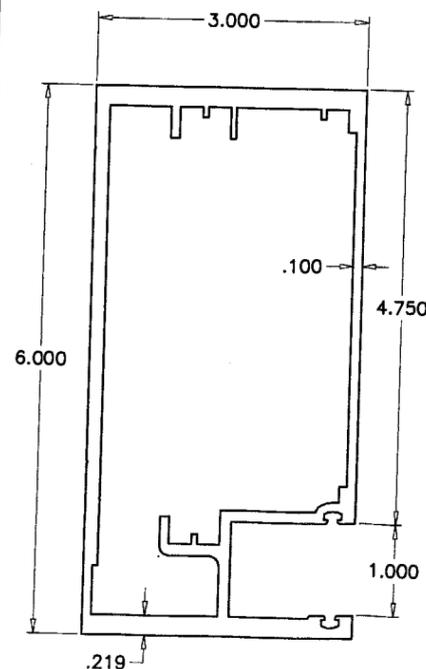


④A ALT. FRAME JAMB

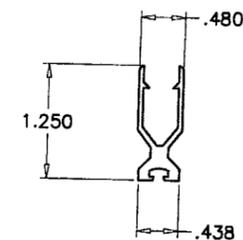
⑳ CORNER MULLION (INTERIOR)



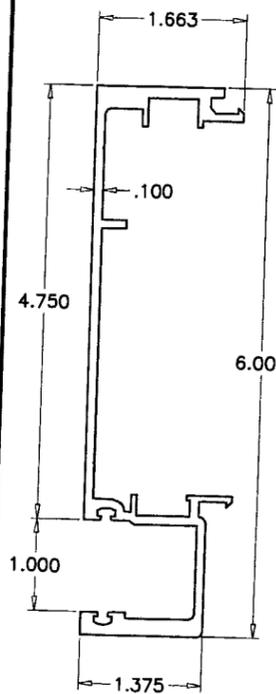
⑲ CORNER MULLION (EXTERIOR)



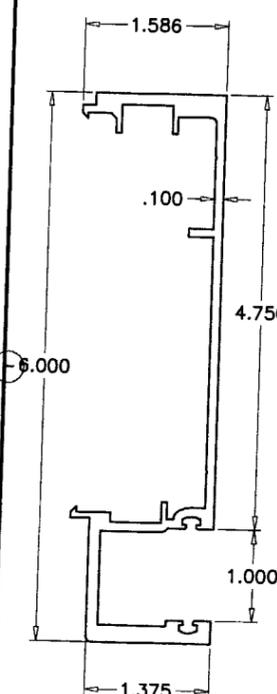
④B ALT. FRAME JAMB



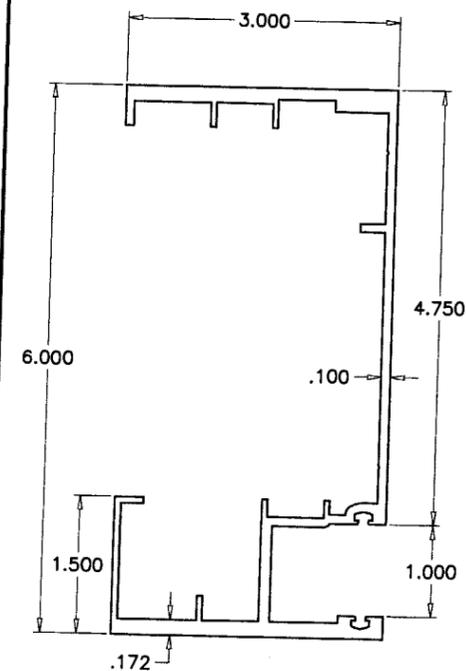
㉑ CORNER MULLION LOCK



⑦ MALE MULLION



⑥ FEMALE MULLION



④ FRAME JAMB

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-0815.03
 Expiration Date 02/01/05
 By: *M. Khan*
 Miami Dade Product Control
 Division

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

23 2005

AL-FAROOQ CORPORATION
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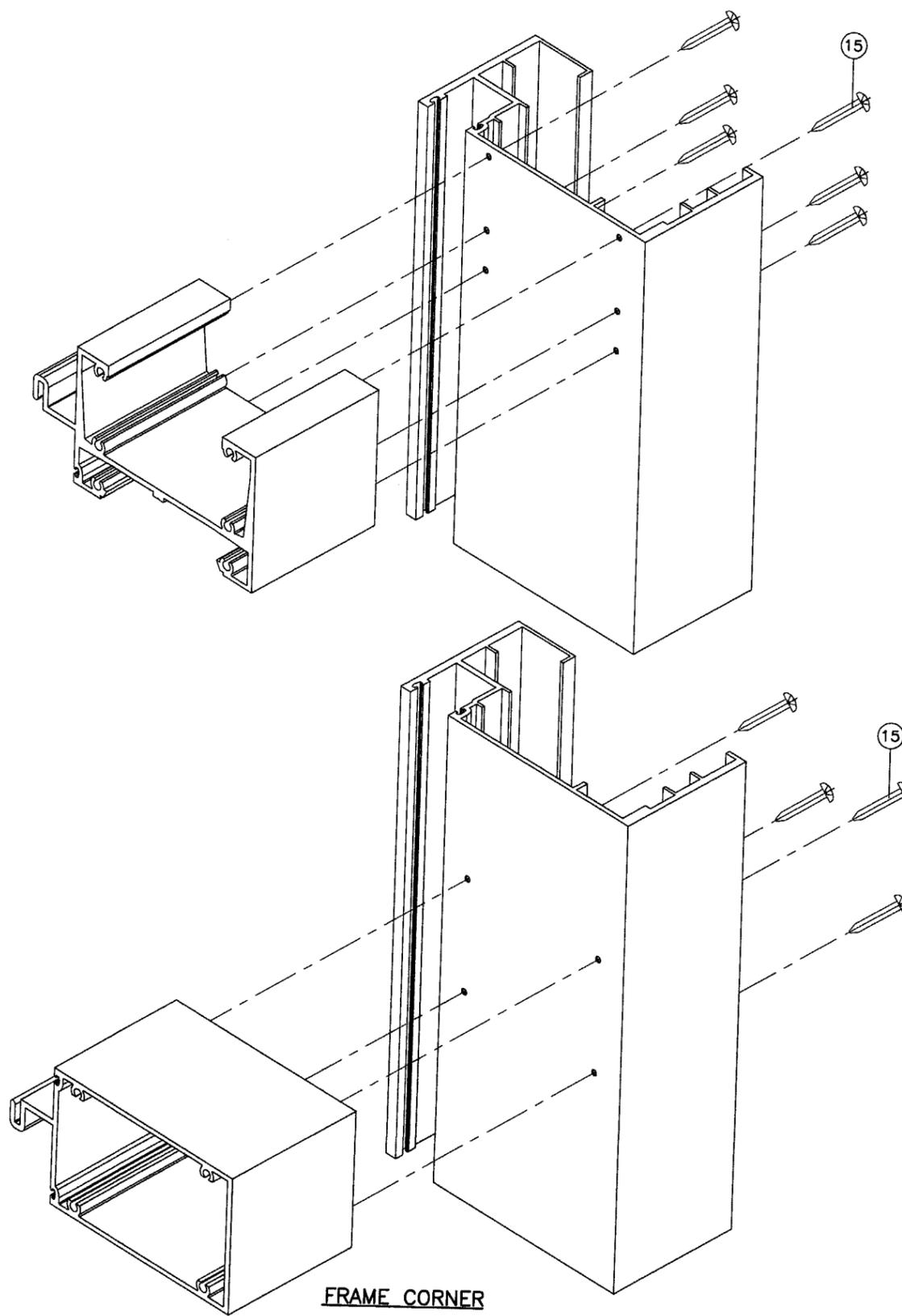
R.C. ALUMINUM INDUSTRIES INC.
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no	date	description	by
A	05.12.05	ALT. JAMB ADDED	

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

drawing no.
W04-25

sheet 7 of 8



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	-

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 05-081503
 Expiration Date 02-10-09
 By *[Signature]*
 Miami Dade Product Control
 Division

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3539
 JUN 23 2009

afsc

AL-FAROOQ CORPORATION
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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:	no	date	description
	A	05.12.05	ALT. JAMB ADDED
date:	03-22-04	scale:	1/2" = 1"
dr. by:	HAMID	chk. by:	
drawing no.	W04-25		
sheet	8 of 8		

STORE W04-25RC