



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

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

R.C. Aluminum Industries, Inc.
2805 NW 75th Avenue
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 "HP3070" Aluminum Window Wall System - L.M.I.

APPROVAL DOCUMENT: Drawing No. **W03-115**, titled "HP3070 Alum. Window Wall System (L.M.I.)", sheets 1 through 7 of 7, prepared by AL- Farooq Corporation, dated 12/19/03, with revision "C", dated 06/27/05, 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: Large and 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 # 05-0120.05** 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 05-0815.02
Expiration Date: March 25, 2009
Approval Date: November 03, 2005

R.C. Aluminum Industries, Inc.

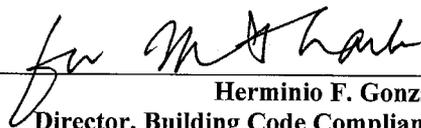
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturers die drawings and sections.
2. Drawing No. **W03-115**, titled "HP3070 Alum. Window Wall System (L.M.I.)", sheets 1 through 7 of 7, prepared by AL- Farooq Corporation, dated 12/19/03, with revision "C", dated 06/27/05, 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) Large 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-3182**, dated 12/12/01, signed and sealed by Edumundo Largaespada, P.E.
"Submitted under NOA# 05-0120.05"
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
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Hurricane Engineering and Testing INC., Test Report No. **HETI-02-1265**, dated 2/27/03, signed and sealed by Rafael E. Droz-Seda, P.E.
"Submitted under NOA# 05-0120.05"
3. Test reports on 1) Large 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 single hung window, prepared by Hurricane Engineering and Testing INC., Test Report No. **HETI-03-1781**, dated 11/15/02, signed and sealed by Rafael E. Droz-Seda, P.E.
"Submitted under NOA# 05-0120.05"
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) Large 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-3956**, dated 11/14/03, signed and sealed by Edumundo Largaespada, P.E.
"Submitted under NOA# 05-0120.05"



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
NOA No 05-0815.02

Expiration Date: March 25, 2009
Approval Date: November 03, 2005

R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Revised Anchor Calculations, and structural analysis, prepared by AL-Farooq Corporation, dated 06/24/05, signed and sealed by Humayoun Farooq, P.E.
2. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by AL-Farooq Corporation, dated 12/20/03, signed and sealed by Humayoun Farooq, P.E.
"Submitted under NOA# 05-0120.05"
3. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by AL-Farooq Corporation, dated 12/14/04, signed and sealed by Humayoun Farooq, P.E.
"Submitted under NOA# 05-0120.05"

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 01-1204.01 issued to "E.I. DuPont DeNemours" for "Sentry Glass R Plus" dated 01/17/02, expiring on 1/14/07.

F. STATEMENTS

1. Statement letter of conformance, dated 06/25/05, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated 06/25/05, signed and sealed by Humayoun Farooq, P.E.

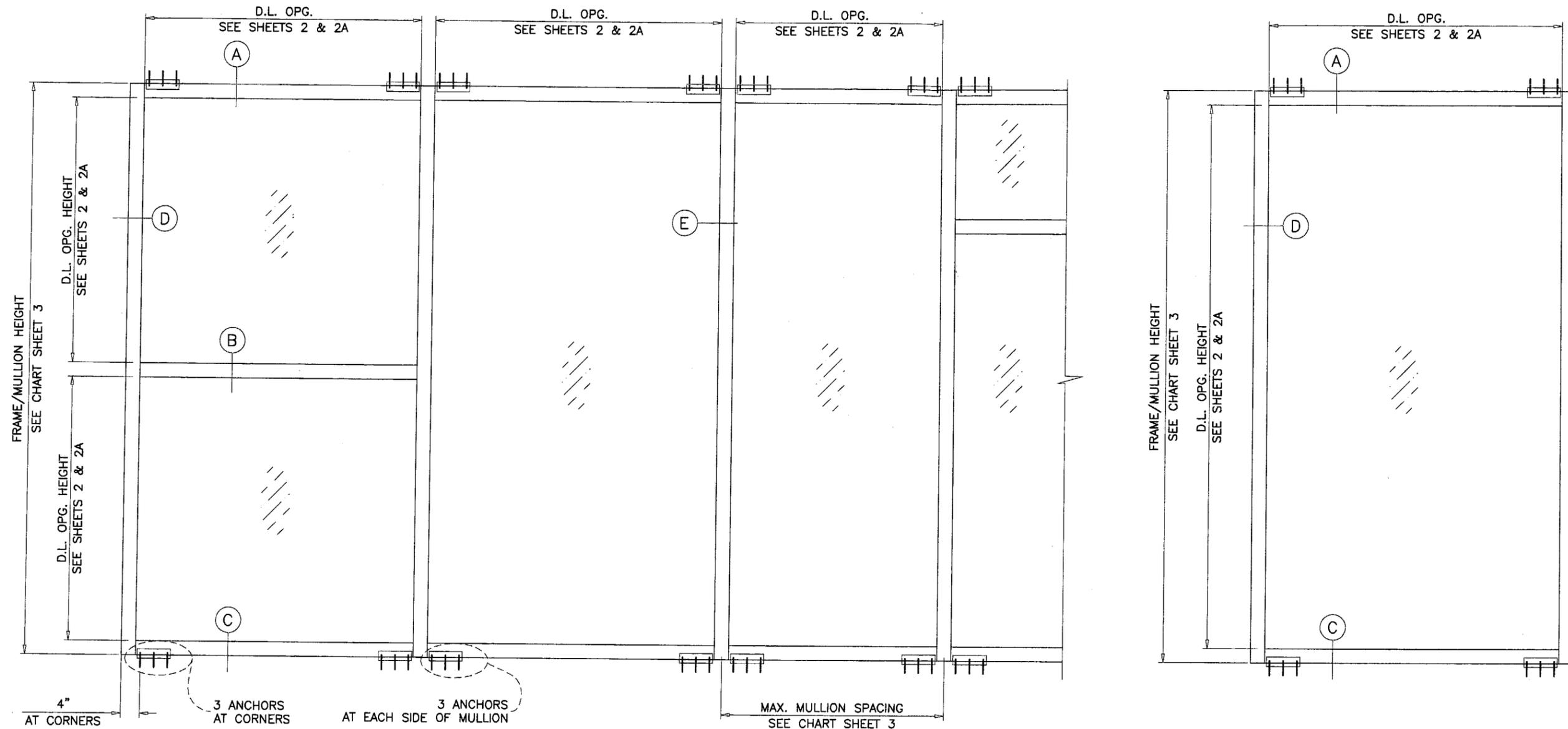
G. OTHER

1. Letter from the consultant, dated 10/05/05, stating that the product is in compliance with the Florida Building Code (FBC).
2. Notice of Acceptance No. **05-0120.05**, issued to R.C. Aluminum for their "Series HP 3070 Aluminum Window Wall System", approved on 03/31/05 and expiring on 03/25/09.



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
NOA No 05-0815.02

Expiration Date: March 25, 2009
Approval Date: November 03, 2005



HP3070 ALUM. WINDOW WALL SYSTEM (L.M.I.)

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

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH MIAMI-DADE COUNTY APPR'D LARGE MISSILE IMPACT RESISTANT DOORS. FOR CONNECTION DETAILS TO MULLION SEE SEPARATE DOOR NOA.

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.

TYPICAL ELEVATIONS

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 & 2A FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION AND JAMBS CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 3.
- STEP 4** THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.

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

JUN 28 2005

PRODUCT REVISED
in compliance with the Florida
Building Code
Acceptance No. 05-0815-02
Expiration Date 03/25/09
By: *M. Hamid*
Miami Dade Product Control
Division

<p>AL-FAROOQ CORPORATION ENGINEERS, PLANNERS & PRODUCT DESIGN 1235 SW 87 AVE MIAMI, FLORIDA 33174 TEL. (305) 264-8100 FAX. (305) 262-6978 STORE/W03-115RC</p>													
<p>HP3070 ALUM. WINDOW WALL SYSTEM (L.M.I.)</p> <p>R.C. ALUMINUM INDUSTRIES INC. 2805 N.W. 75 TH AVE. MIAMI, FL. 33122 TEL. (305) 592-1515 FAX. (305) 592-2184</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">no</th> <th style="text-align: left;">date</th> <th style="text-align: left;">description</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>01.22.04</td> <td>NO CHANGE THIS SHEET</td> </tr> <tr> <td>B</td> <td>12.09.04</td> <td>NOTE REV.</td> </tr> <tr> <td>C</td> <td>06.27.05</td> <td>UPDATED FOR 2004 FBC</td> </tr> </tbody> </table>	no	date	description	A	01.22.04	NO CHANGE THIS SHEET	B	12.09.04	NOTE REV.	C	06.27.05	UPDATED FOR 2004 FBC
no	date	description											
A	01.22.04	NO CHANGE THIS SHEET											
B	12.09.04	NOTE REV.											
C	06.27.05	UPDATED FOR 2004 FBC											
<p>date: 12-19-03 scale: 1/2"=1'-0" dr. by: HAMID chk. by:</p>	<p>drawing no. W03-115 sheet 1 of 7</p>												

GLASS DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'A1'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)
24"	60"	160.0	110.0
27"		160.0	110.0
30"		160.0	110.0
33"		160.0	110.0
36"		160.0	110.0
39"		160.0	110.0
42"		160.0	110.0
45"		160.0	110.0
48"		160.0	110.0
51"		150.0	110.0
54"		150.0	110.0
57"		144.1	110.0
60"		136.9	110.0
63"		130.2	110.0
66"	123.9	110.0	
69"	118.3	110.0	
72"	113.5	-	
24"	66"	160.0	110.0
27"		160.0	110.0
30"		160.0	110.0
33"		160.0	110.0
36"		160.0	110.0
39"		160.0	110.0
42"		160.0	110.0
45"		150.0	110.0
48"		150.0	110.0
51"		146.8	110.0
54"		138.3	110.0
57"		130.9	110.0
60"		123.9	110.0
63"		117.7	110.0
66"	112.3	-	
69"	107.4	-	
72"	102.6	-	
24"	72"	160.0	110.0
27"		160.0	110.0
30"		160.0	110.0
33"		160.0	110.0
36"		160.0	110.0
39"		160.0	110.0
42"		150.0	110.0
45"		150.0	110.0
48"		142.6	110.0
51"		134.4	110.0
54"		126.6	110.0
57"		119.4	110.0
60"		113.5	-
63"		107.8	-
66"	102.6	-	

GLASS DESIGN LOAD CAPACITY - PSF				
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'A1'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	
24"	78"	160.0	110.0	
27"		160.0	110.0	
30"		160.0	110.0	
33"		160.0	110.0	
36"		160.0	110.0	
39"		150.0	110.0	
42"		150.0	110.0	
45"		143.8	110.0	
48"		133.3	110.0	
51"		124.2	110.0	
54"		116.5	110.0	
57"		110.2	-	
60"		104.4	-	
63"		99.0	-	
24"	84"	160.0	110.0	
27"		160.0	110.0	
30"		160.0	110.0	
33"		160.0	110.0	
36"		150.0	110.0	
39"		150.0	110.0	
42"		150.0	110.0	
45"		134.8	110.0	
48"		124.8	110.0	
51"		116.2	-	
54"		108.7	-	
57"		101.8	-	
24"		90"	160.0	110.0
27"			160.0	110.0
30"	160.0		110.0	
33"	150.0		110.0	
36"	150.0		110.0	
39"	150.0		110.0	
42"	144.0		110.0	
45"	131.4		110.0	
48"	117.1		-	
51"	108.9		-	
54"	101.7		-	
24"	96"		160.0	110.0
27"			160.0	110.0
30"			160.0	110.0
33"		150.0	110.0	
36"		150.0	110.0	
39"		150.0	110.0	
42"		136.0	110.0	
45"		124.0	-	
48"		113.8	-	
51"		102.4	-	

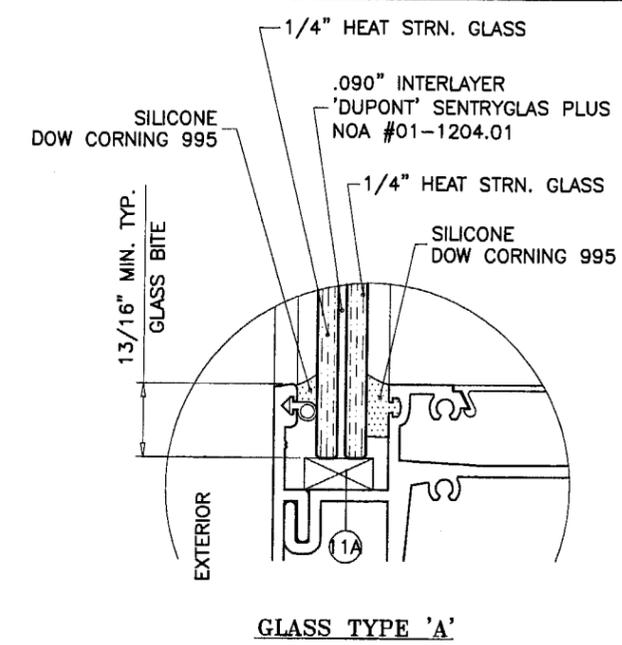
GLASS DESIGN LOAD CAPACITY - PSF				
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'A1'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	
24"	102"	160.0	110.0	
27"		160.0	110.0	
30"		150.0	110.0	
33"		150.0	110.0	
36"		150.0	110.0	
39"		150.0	110.0	
42"		129.0	-	
45"		117.3	-	
48"		107.1	-	
24"		108"	160.0	110.0
27"			160.0	110.0
30"			150.0	110.0
33"			150.0	110.0
36"			150.0	110.0
39"	143.4		110.0	
42"	128.4		-	
45"	110.8		-	
24"	114"		160.0	110.0
27"			150.0	110.0
30"			150.0	110.0
33"			150.0	110.0
36"			150.0	110.0
39"			136.9	-
42"		122.7	-	
24"		120"	160.0	110.0
27"			150.0	110.0
30"			150.0	110.0
33"			150.0	110.0
36"			150.0	-
39"			140.2	-

NOTE:
GLASS CAPACITIES ON THIS SHEET
ARE BASED ON
ASTM E1300-98 (60 SEC. WIND)

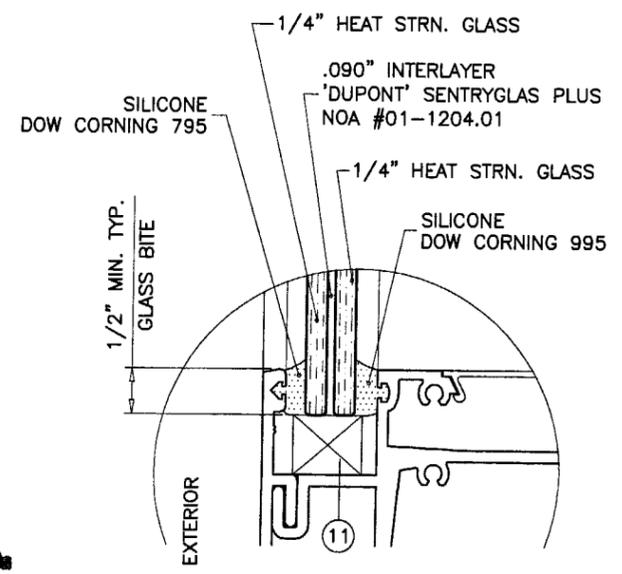
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **05-0815.02**
Expiration Date **03/25/09**
By *M. Khan*
Miami Dade Product Control
Division

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

Jun 28 2005



GLASS TYPE 'A'



GLASS TYPE 'A1'

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W03-115RC

HP3070 ALUM. WINDOW WALL SYSTEM (L.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	01.22.04	NO CHANGE THIS SHEET
B	12.09.04	GLASS CHART REV.
C	06.27.05	GLASS NOTE ADDED

date: 12-19-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

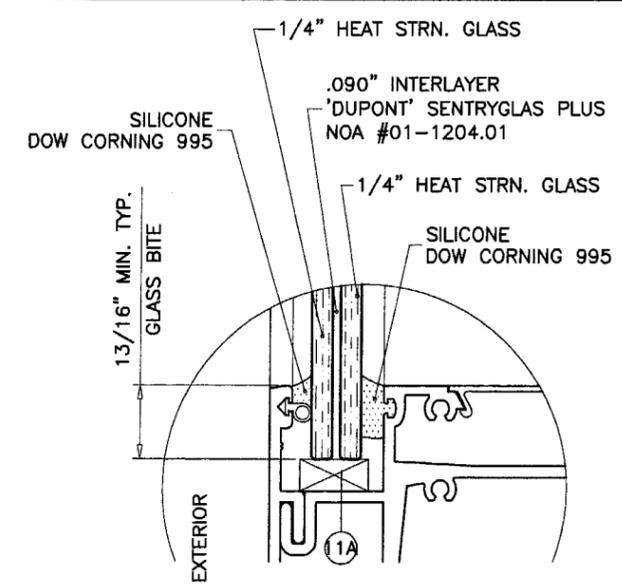
drawing no.
W03-115
sheet 2 of 7

GLASS DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'A1'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)
24"	60"	160.0	110.0
27"		160.0	110.0
30"		160.0	110.0
33"		160.0	110.0
36"		160.0	110.0
39"		160.0	110.0
42"		160.0	110.0
45"		160.0	110.0
48"		160.0	110.0
51"		160.0	110.0
54"		150.0	110.0
57"		150.0	110.0
60"		150.0	110.0
63"		150.0	110.0
66"	150.0	110.0	
69"	150.0	110.0	
72"	150.0	-	
24"	66"	160.0	110.0
27"		160.0	110.0
30"		160.0	110.0
33"		160.0	110.0
36"		160.0	110.0
39"		160.0	110.0
42"		160.0	110.0
45"		160.0	110.0
48"		150.0	110.0
51"		150.0	110.0
54"		150.0	110.0
57"		150.0	110.0
60"		150.0	110.0
63"		150.0	110.0
66"	150.0	-	
69"	150.0	-	
72"	147.0	-	
24"	72"	160.0	110.0
27"		160.0	110.0
30"		160.0	110.0
33"		160.0	110.0
36"		160.0	110.0
39"		160.0	110.0
42"		160.0	110.0
45"		150.0	110.0
48"		150.0	110.0
51"		150.0	110.0
54"		150.0	110.0
57"		150.0	110.0
60"		150.0	-
63"		150.0	-
66"	147.0	-	

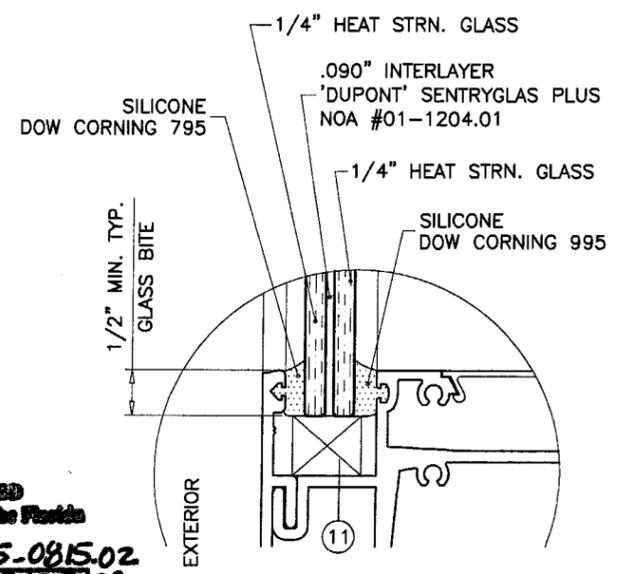
GLASS DESIGN LOAD CAPACITY - PSF				
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'A1'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	
24"	78"	160.0	110.0	
27"		160.0	110.0	
30"		160.0	110.0	
33"		160.0	110.0	
36"		160.0	110.0	
39"		160.0	110.0	
42"		150.0	110.0	
45"		150.0	110.0	
48"		150.0	110.0	
51"		150.0	110.0	
54"		150.0	110.0	
57"		150.0	-	
60"		145.0	-	
63"		141.0	-	
24"	84"	160.0	110.0	
27"		160.0	110.0	
30"		160.0	110.0	
33"		160.0	110.0	
36"		160.0	110.0	
39"		150.0	110.0	
42"		150.0	110.0	
45"		150.0	110.0	
48"		150.0	110.0	
51"		150.0	-	
54"		147.0	-	
57"		141.0	-	
24"		90"	160.0	110.0
27"			160.0	110.0
30"	160.0		110.0	
33"	160.0		110.0	
36"	150.0		110.0	
39"	150.0		110.0	
42"	150.0		110.0	
45"	150.0		110.0	
48"	150.0		-	
51"	143.0		-	
54"	137.0		-	
24"	96"		160.0	110.0
27"			160.0	110.0
30"			160.0	110.0
33"		150.0	110.0	
36"		150.0	110.0	
39"		150.0	110.0	
42"		150.0	110.0	
45"		150.0	-	
48"		142.0	-	
51"		135.0	-	

GLASS DESIGN LOAD CAPACITY - PSF				
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'A1'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)	
24"	102"	160.0	110.0	
27"		160.0	110.0	
30"		160.0	110.0	
33"		150.0	110.0	
36"		150.0	110.0	
39"		150.0	110.0	
42"		150.0	-	
45"		143.0	-	
48"		134.0	-	
24"		108"	160.0	110.0
27"			160.0	110.0
30"			150.0	110.0
33"			150.0	110.0
36"			150.0	110.0
39"	150.0		110.0	
42"	147.0		-	
45"	136.0		-	
24"	114"		160.0	110.0
27"			160.0	110.0
30"			150.0	110.0
33"			150.0	110.0
36"			150.0	110.0
39"			150.0	-
42"		141.0	-	
24"		120"	160.0	110.0
27"			150.0	110.0
30"			150.0	110.0
33"			150.0	110.0
36"			150.0	-
39"			150.0	-

NOTE:
GLASS CAPACITIES ON THIS SHEET
ARE BASED ON
ASTM E1300-02 (3 SEC. GUSTS)



GLASS TYPE 'A'



GLASS TYPE 'A1'

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **05-0815.02**
Expiration Date: **03/25/09**
By: *M. Khan*
Miami Dade Product Control
Division

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

JUN 28 2005

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE W03-115RC

HP3070 ALUM. WINDOW WALL SYSTEM (L.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
C	06.27.05	NEW SHEET ADDED

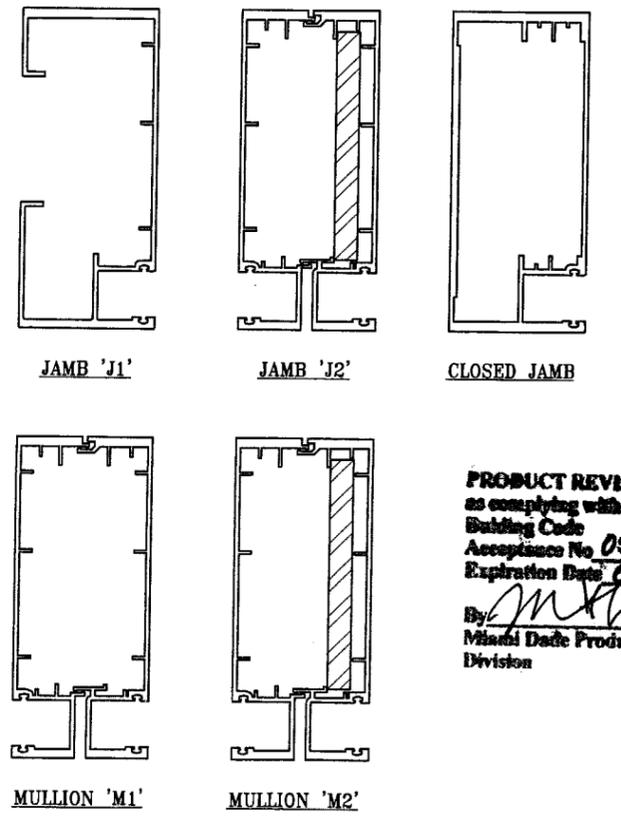
date: 12-19-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-115
sheet 2A of 7

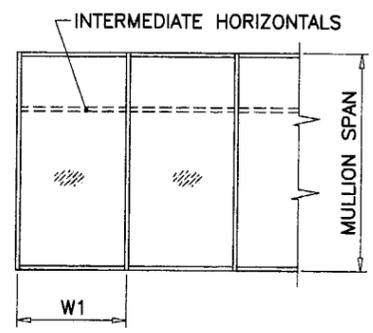
MULLION/JAMB DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS.		JAMB 'J1' MULLION 'M1' CLOSED JAMB		JAMB 'J2' MULLION 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	66"	150.0	160.0	150.0	160.0
36"		150.0	160.0	150.0	160.0
42"		150.0	160.0	150.0	160.0
45"		150.0	160.0	150.0	160.0
48"		150.0	160.0	150.0	160.0
54"		150.0	160.0	150.0	160.0
60"		150.0	160.0	150.0	160.0
66"		150.0	160.0	150.0	160.0
72"		150.0	160.0	150.0	160.0
72"		72"	150.0	160.0	150.0
36"	150.0		160.0	150.0	160.0
42"	150.0		160.0	150.0	160.0
45"	150.0		160.0	150.0	160.0
48"	150.0		160.0	150.0	160.0
54"	150.0		160.0	150.0	160.0
60"	150.0		160.0	150.0	160.0
66"	150.0		160.0	150.0	160.0
72"	150.0		160.0	150.0	160.0
72"	78"		150.0	160.0	150.0
36"		150.0	160.0	150.0	160.0
42"		150.0	160.0	150.0	160.0
45"		150.0	160.0	150.0	160.0
48"		150.0	160.0	150.0	160.0
54"		150.0	160.0	150.0	160.0
60"		150.0	160.0	150.0	160.0
66"		150.0	160.0	150.0	160.0
72"		150.0	150.0	150.0	160.0
72"		84"	150.0	160.0	150.0
36"	150.0		160.0	150.0	160.0
42"	150.0		160.0	150.0	160.0
45"	150.0		160.0	150.0	160.0
48"	150.0		160.0	150.0	160.0
54"	150.0		160.0	150.0	160.0
60"	150.0		160.0	150.0	160.0
66"	150.0		150.0	150.0	160.0
72"	-		-	100.0	138.0
72"	90"		150.0	160.0	150.0
36"		150.0	160.0	150.0	160.0
42"		150.0	160.0	150.0	160.0
45"		150.0	160.0	150.0	160.0
48"		150.0	160.0	150.0	160.0
54"		150.0	160.0	150.0	160.0
60"		150.0	150.0	150.0	160.0
66"		-	-	120.0	160.0
72"		-	-	90.0	110.0

MULLION/JAMB DESIGN LOAD CAPACITY - PSF						
NOMINAL DIMS.		JAMB 'J1' MULLION 'M1' CLOSED JAMB		JAMB 'J2' MULLION 'M2'		
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
30"	96"	150.0	160.0	150.0	160.0	
36"		150.0	160.0	150.0	160.0	
42"		150.0	160.0	150.0	160.0	
45"		150.0	160.0	150.0	160.0	
48"		150.0	160.0	150.0	160.0	
54"		150.0	160.0	150.0	160.0	
60"		-	-	120.0	160.0	
66"		-	-	90.0	110.0	
72"		-	-	90.0	110.0	
72"		102"	150.0	160.0	150.0	160.0
36"	150.0		160.0	150.0	160.0	
42"	150.0		160.0	150.0	160.0	
45"	150.0		160.0	150.0	160.0	
48"	150.0		160.0	150.0	160.0	
54"	150.0		150.0	150.0	160.0	
60"	-		-	90.0	110.0	
66"	-		-	90.0	110.0	
66"	108"		150.0	160.0	150.0	160.0
36"			150.0	160.0	150.0	160.0
42"		150.0	160.0	150.0	160.0	
45"		150.0	160.0	150.0	160.0	
48"		150.0	160.0	150.0	160.0	
54"		-	-	120.0	160.0	
60"		-	-	90.0	110.0	
66"		-	-	90.0	110.0	
66"		114"	150.0	160.0	150.0	160.0
36"			150.0	160.0	150.0	160.0
42"	150.0		160.0	150.0	160.0	
45"	150.0		160.0	150.0	160.0	
48"	150.0		150.0	150.0	160.0	
54"	-		-	90.0	110.0	
60"	-		-	90.0	110.0	
60"	120"		150.0	160.0	150.0	160.0
36"			150.0	160.0	150.0	160.0
42"			150.0	160.0	150.0	160.0
45"		150.0	150.0	150.0	160.0	
48"		-	-	120.0	160.0	
54"		-	-	90.0	110.0	
54"		126"	-	-	120.0	160.0
36"			-	-	120.0	160.0
42"			-	-	120.0	160.0
45"			-	-	120.0	160.0
48"	-		-	100.0	138.0	
54"	-		-	90.0	110.0	

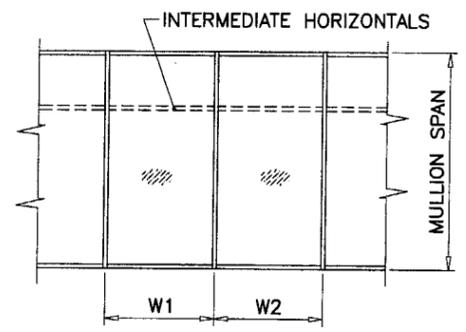
MULLION/JAMB DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS.		JAMB 'J1' MULLION 'M1' CLOSED JAMB		JAMB 'J2' MULLION 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"	132"	-	-	120.0	160.0
36"		-	-	120.0	160.0
42"		-	-	120.0	160.0
45"		-	-	120.0	160.0
48"		-	-	90.0	110.0
54"		-	-	90.0	110.0
30"	138"	-	-	100.0	138.0
36"		-	-	100.0	138.0
42"		-	-	100.0	138.0
48"		-	-	90.0	110.0
30"	144"	-	-	100.0	138.0
36"		-	-	100.0	138.0
42"		-	-	100.0	138.0
45"		-	-	90.0	110.0
48"		-	-	90.0	110.0
30"	147"	-	-	90.0	110.0
36"		-	-	90.0	110.0
42"		-	-	90.0	110.0
45"		-	-	90.0	110.0
48"		-	-	90.0	110.0



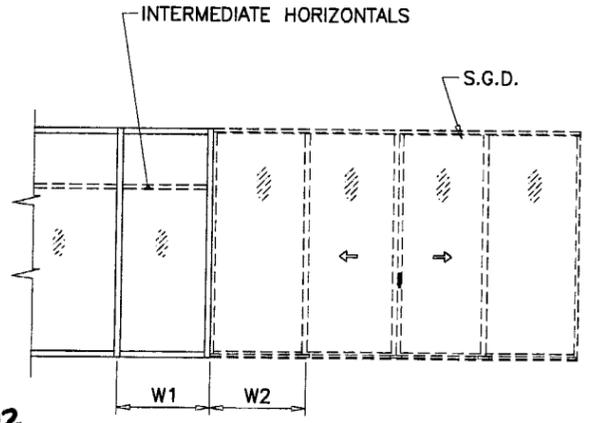
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-0815.02
 Expiration Date 03/23/09
 By: *M. Khalil*
 Miami Dade Product Control
 Division



WIDTH (W) = W1
 AT FRAME JAMB



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



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

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

28-2005

AL-FAROOQ CORPORATION
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 TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	description
A	01.22.04	NO CHANGE THIS SHEET
B	12.09.04	CLOSED JAMB ADDED
C	06.27.05	CHART REV.

date: 12-19-03
 scale: -
 dr. by: HAMID
 chk. by:

drawing no.
W03-115
 sheet 3 of 7

3/4" MAX. FRAME HEIGHT

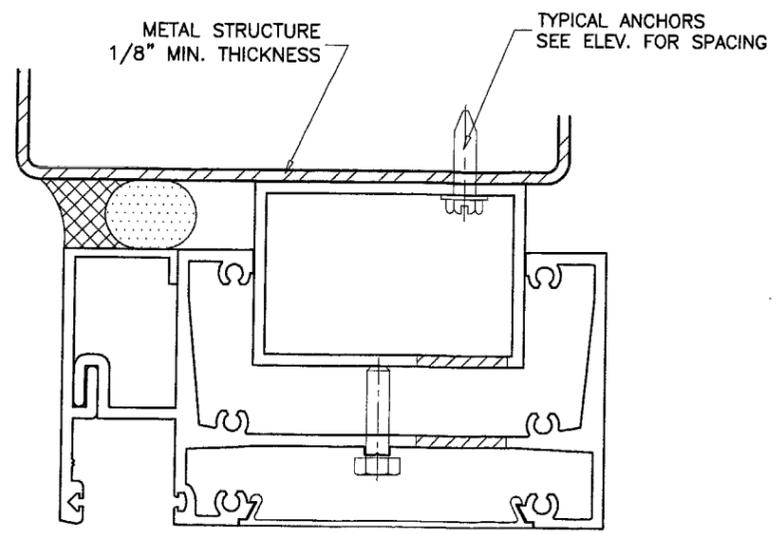
EXTERIOR

D.L. OPG.

D.L. OPG.

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

TYPICAL ANCHORS
SEE ELEV. FOR SPACING



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.
- 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.

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

SEALANTS:

ALL FRAME CORNERS AND MULLION SEAMS SEALED WITH SILICONE.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 05-0815-02
Expiration Date 03/25/09
By M. Hamid
Miami Dade Product Control
Division

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

JUN 28 2005

AL-FAROOQ CORPORATION
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no	date	by	description
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B	12.09.04		NO CHANGE THIS SHEET
C	06.27.05		ANCHOR EMBED REV.

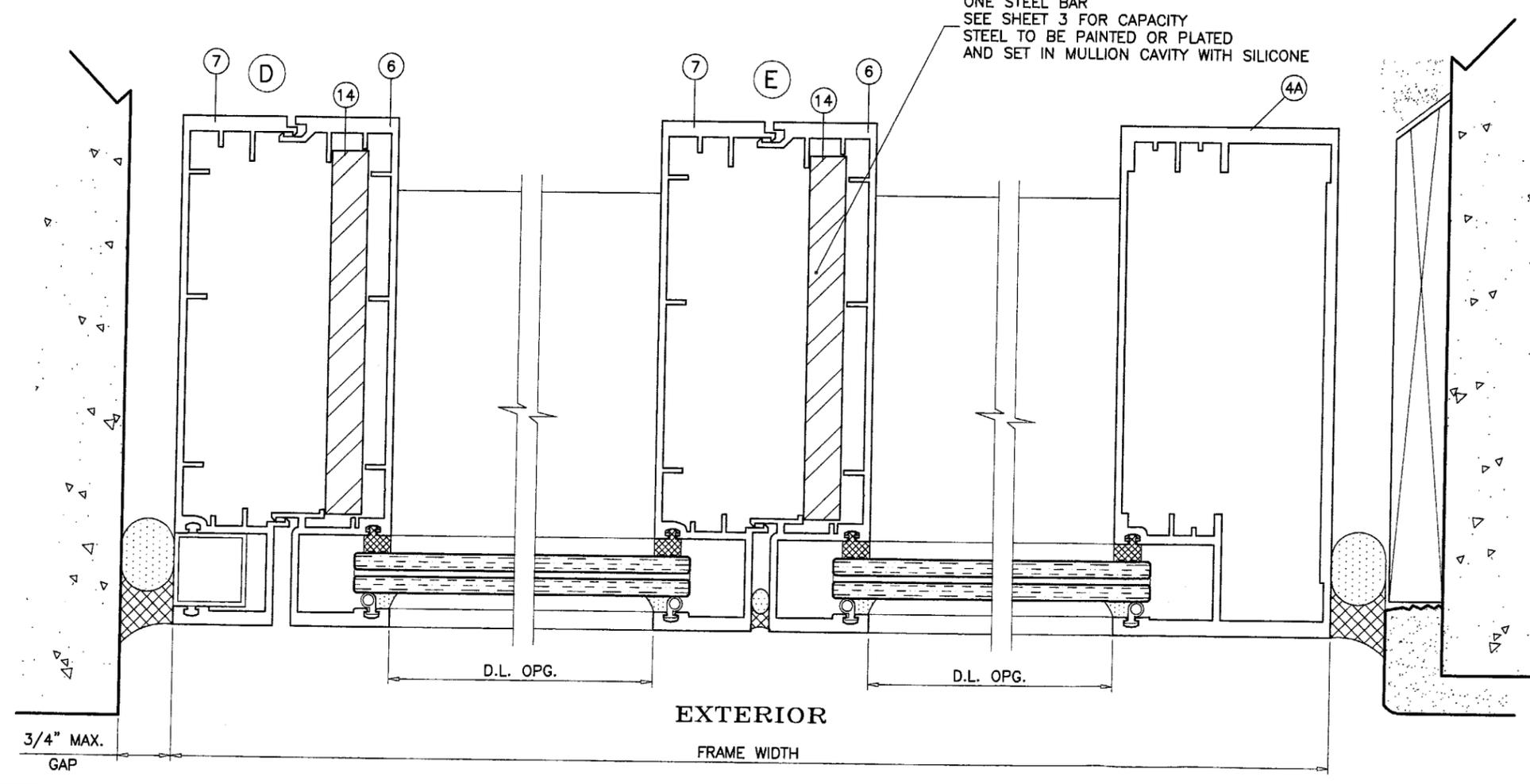
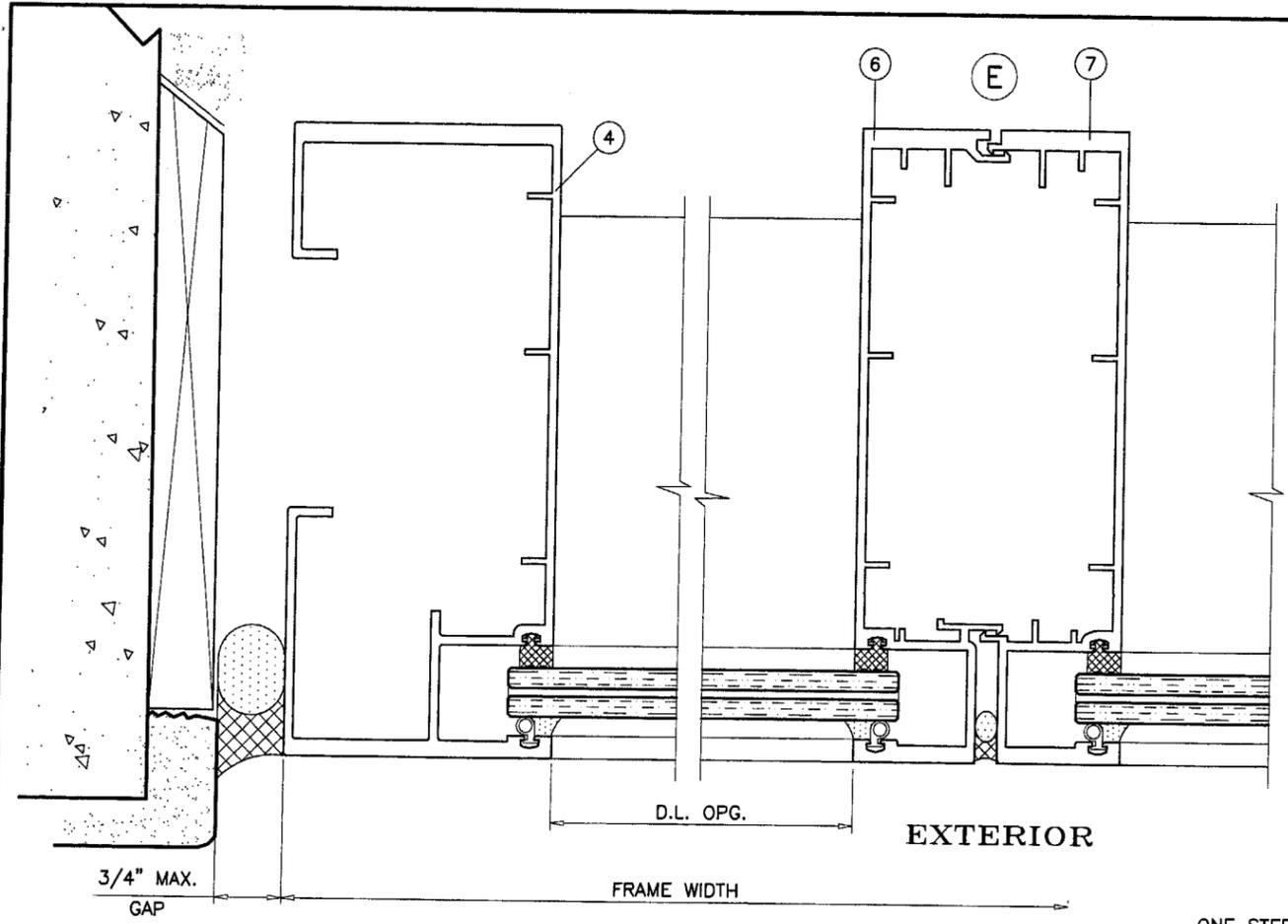
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scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-115

sheet 4 of 7

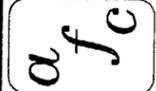
STORE W03-115RC

MATERIALS LIST					
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	HP3060-051	AS REQD.	FRAME HEAD/SILL	6005-T6	-
2	FX345-006	AS REQD.	GLAZING RETAINER (HEAD/SILL)	6063-T6	-
3	FX345-005	AS REQD.	GLAZING RETAINER (HORIZONTAL)	6063-T6	-
4	HP3060-044	AS REQD.	FRAME JAMB	6063-T6	-
4A	HP3060-066	AS REQD.	CLOSED FRAME JAMB	6005-T6	-
5	HP3060-041	AS REQD.	HORIZONTAL	6063-T6	-
6	HP3060-042	AS REQD.	FEMALE MULLION	6063-T6	-
7	HP3060-043	AS REQD.	MALE MULLION	6063-T6	-
8	HP3060-011	AS REQD.	SNAP-IN COVER HEAD/SILL	6063-T6	-
9	WW-8215	AS REQD.	GLAZING GASKET	VINYL	WIBORG
10	WW-3289	AS REQD.	BULB WEATHERSTRIPPING	VINYL	WIBORG
11	-	2/ LITE	SETTING BLOCKS (3/4" X 5/8" X 3-1/4")	NEOPRENE	LOWE
11A	-	2/ LITE	SETTING BLOCKS (1/2" X 1/4" X 4")	NEOPRENE	LOWE
12	-	-	SEALANT DOW CORNING 995	SILICONE	-
13	-	-	SEALANT DOW CORNING 795	SILICONE	-
14	-	AS REQD.	REINFORCING BAR (1/2" X 5")	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	-	AS REQD.	FILLER TUBE	ALUMINUM	-



PRODUCT REVISED
 as complying with the Florida
 Building Code
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 By: *M. Wheel*
 Minimal Data Product Control
 Division

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 JUN 2 2005



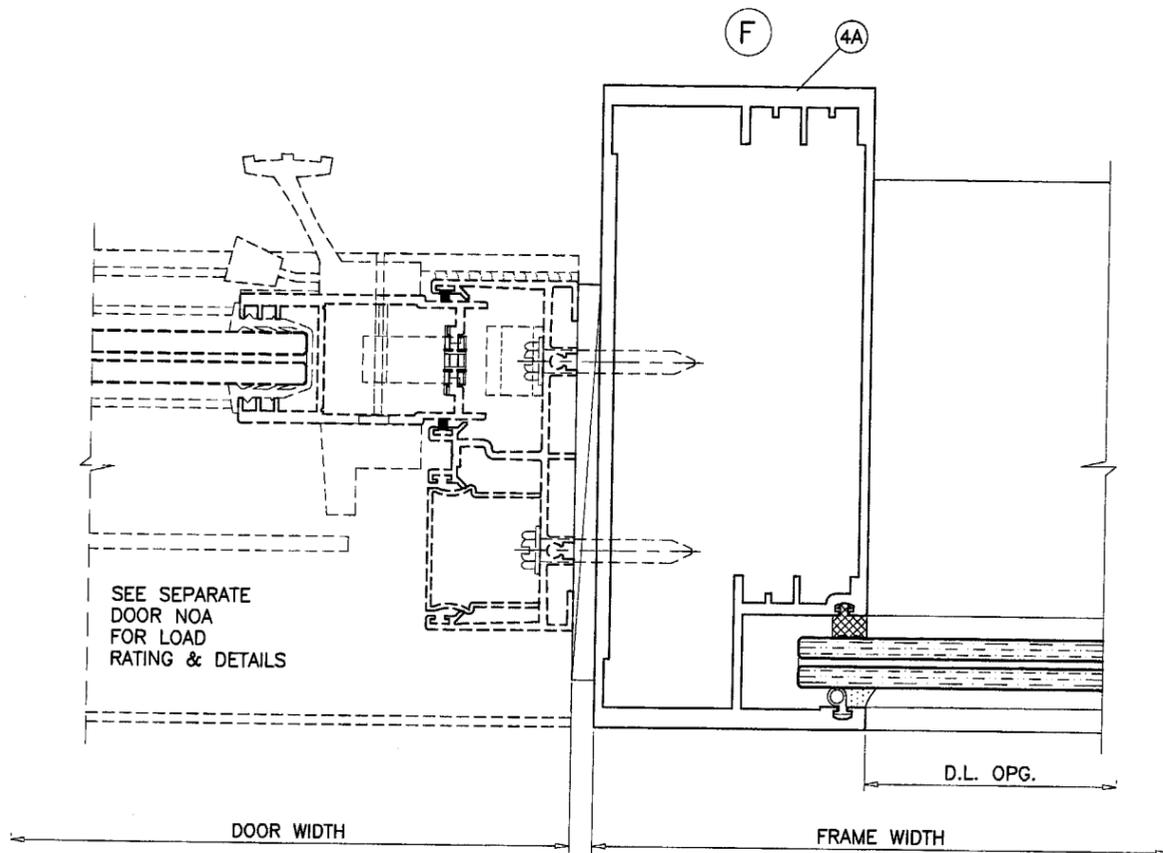
AL-FAROOQ CORPORATION
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 2805 N.W. 75 TH AVE.
 MIAMI, FL. 33122
 TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	description
A	01.22.04	REV. PER BCCO COMMENTS
B	12.09.04	CLOSED JAMB ADDED
C	06.27.05	NO CHANGE THIS SHEET

date: 12-19-03	scale: 1/2" = 1"
dr. by: HAMID	chk. by:

drawing no. **W03-115**
 sheet 5 of 7

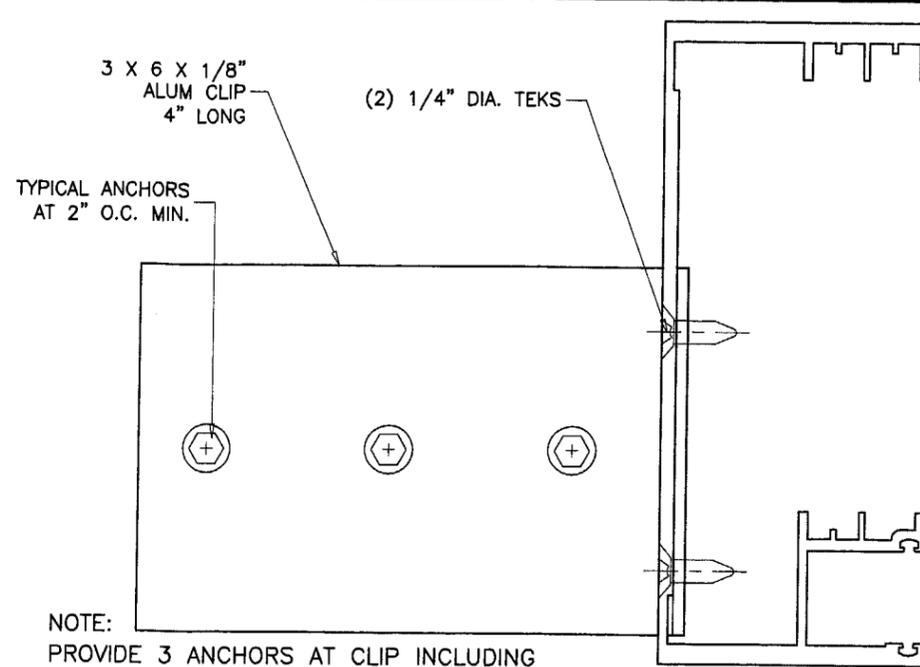


SEE SEPARATE
DOOR NOA
FOR LOAD
RATING & DETAILS

DOOR WIDTH

FRAME WIDTH

D.L. OPG.



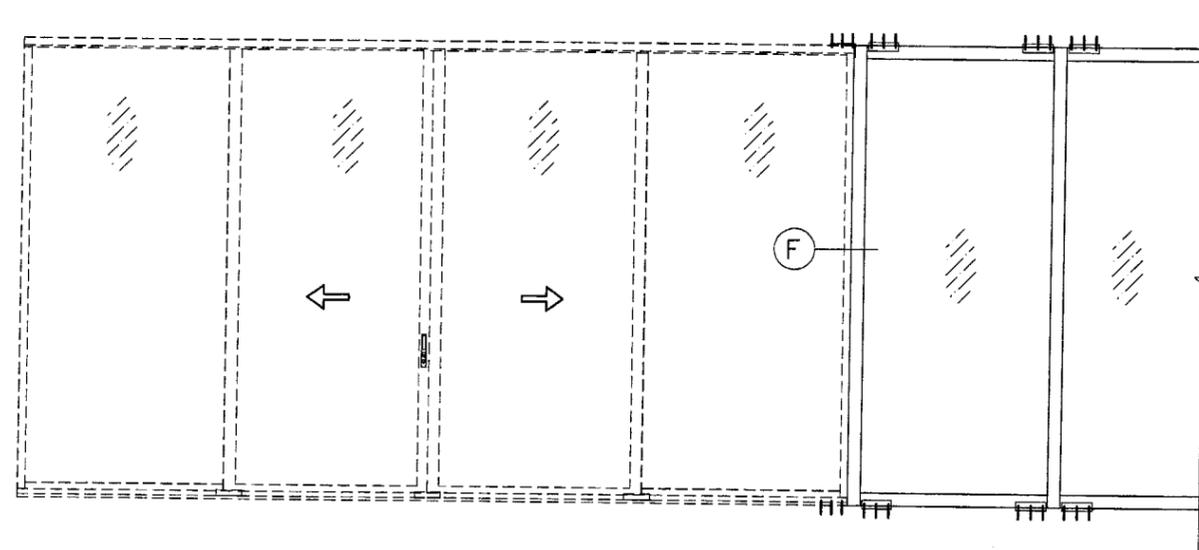
TYPICAL ANCHORS
AT 2" O.C. MIN.

3 X 6 X 1/8"
ALUM CLIP
4" LONG

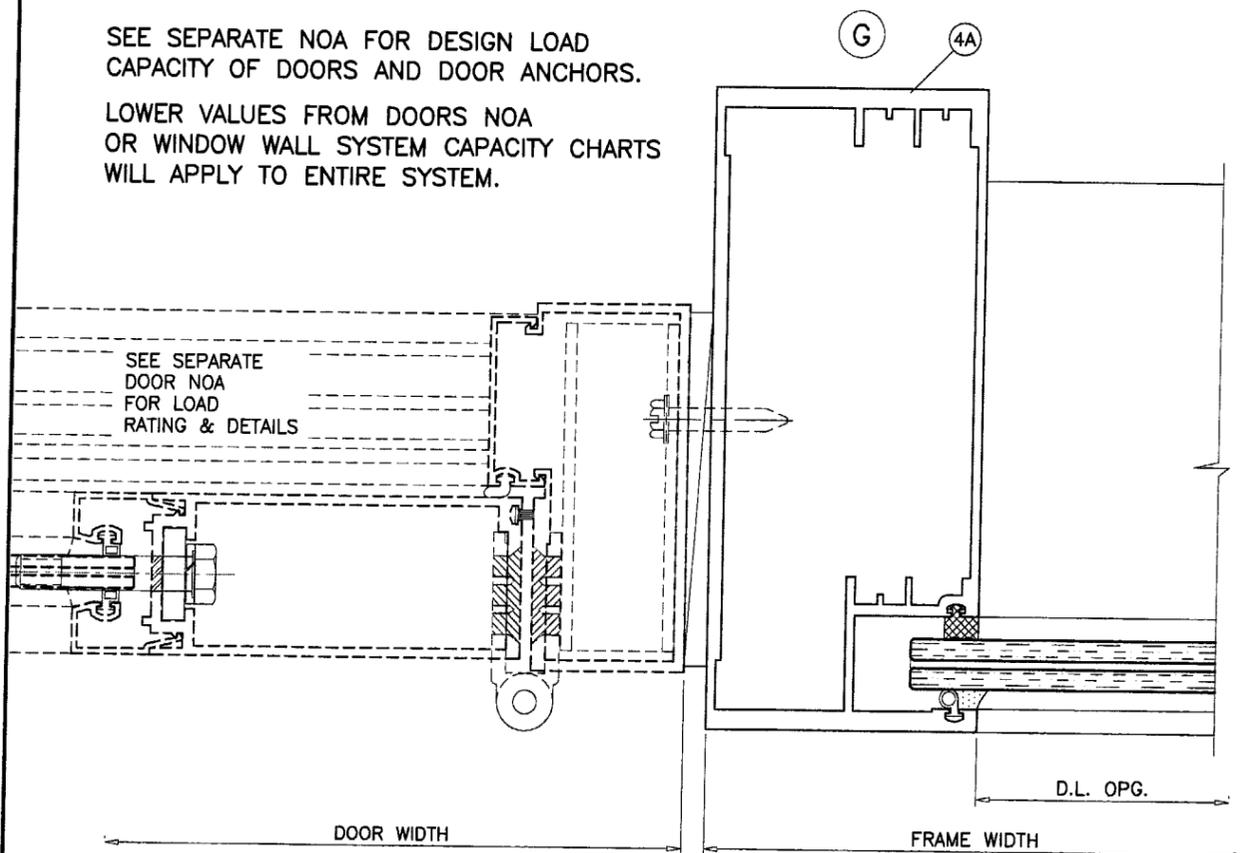
(2) 1/4" DIA. TEKS

NOTE:
PROVIDE 3 ANCHORS AT CLIP INCLUDING
ONE DOOR HEAD/SILL ANCHOR.

CLOSED JAMB INSTALLATION AT HEAD & SILL



SEE SEPARATE NOA FOR DESIGN LOAD
CAPACITY OF DOORS AND DOOR ANCHORS.
LOWER VALUES FROM DOORS NOA
OR WINDOW WALL SYSTEM CAPACITY CHARTS
WILL APPLY TO ENTIRE SYSTEM.

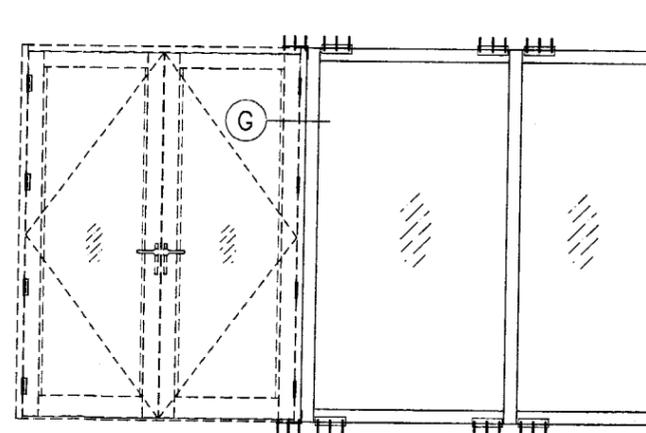


SEE SEPARATE
DOOR NOA
FOR LOAD
RATING & DETAILS

DOOR WIDTH

FRAME WIDTH

D.L. OPG.



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

Handwritten: JUN 28 2005

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. **05-0815-02**
Expiration Date **02/25/09**
By *M. Shah*
Miami Dade Product Control
Division

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
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no	date	description
B	12.09.04	CLOSED JAMB ADDED
C	06.27.05	NO CHANGE THIS SHEET

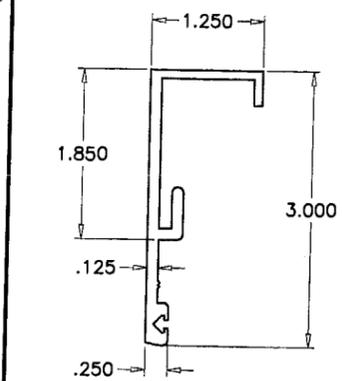
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scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-115

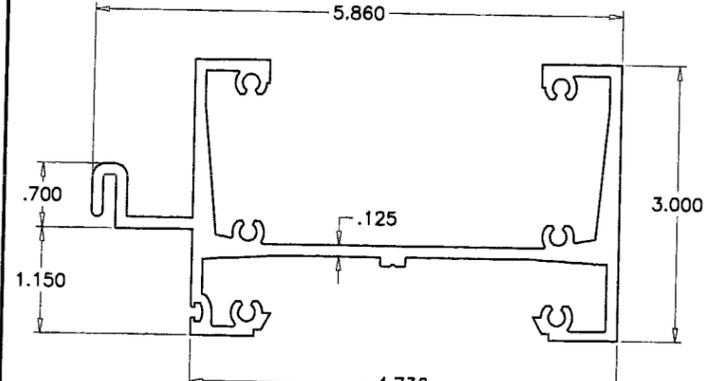
sheet 6 of 7

afc

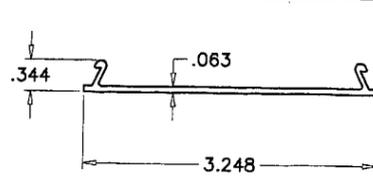
STORE W03-115RC



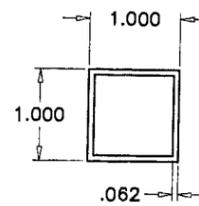
② GLAZING RETAINER HEAD/SILL



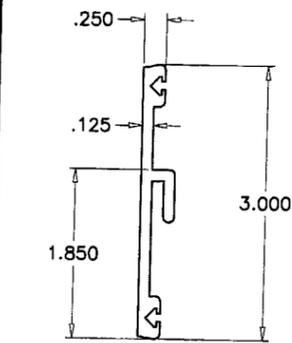
① FRAME HEAD/SILL



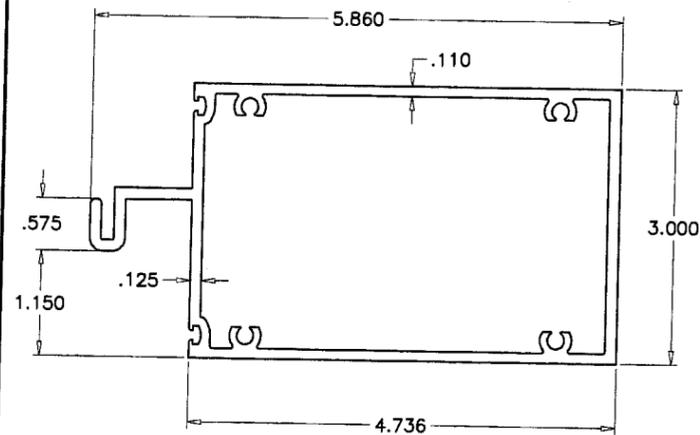
⑧ COVER HEAD/SILL



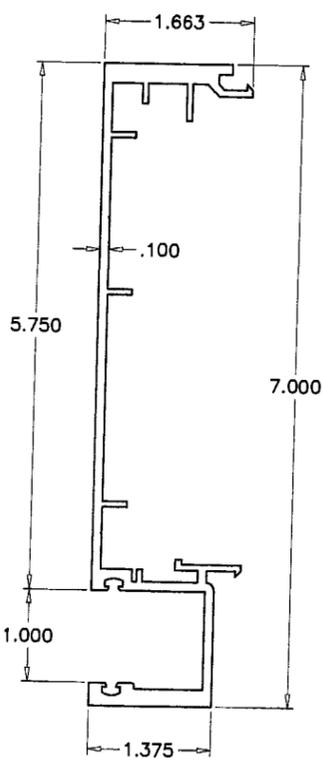
⑱ FILLER TUBE



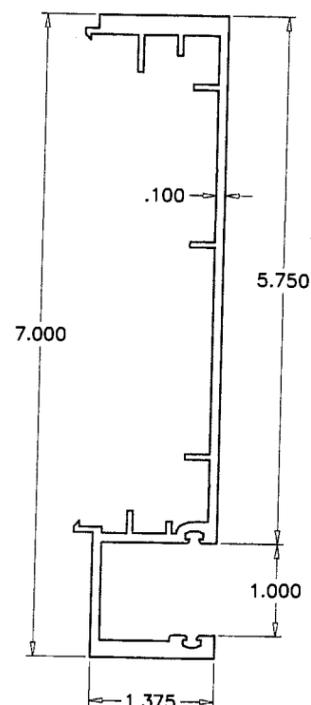
③ GLAZING RETAINER HORIZONTAL



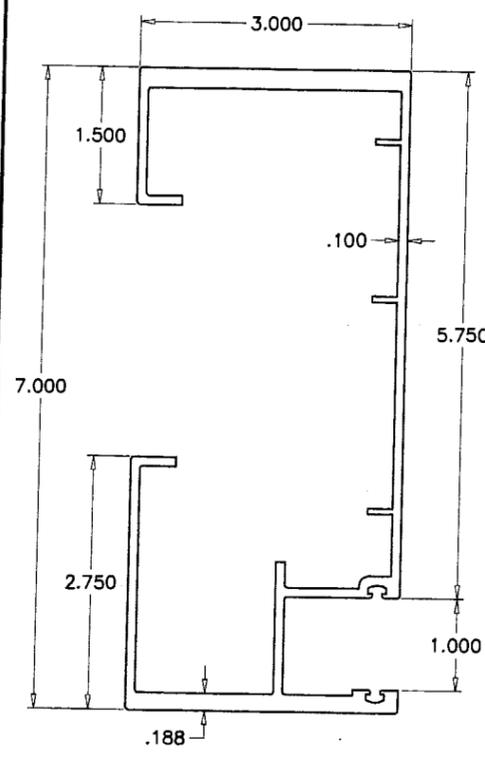
⑤ HORIZONTAL



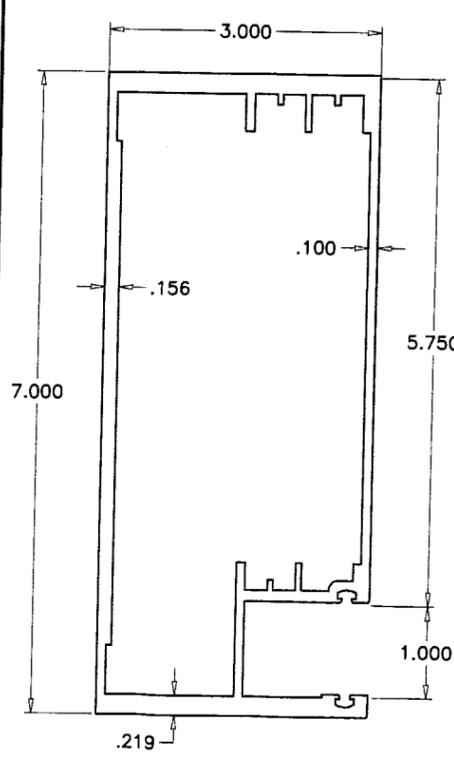
⑦ MALE MULLION



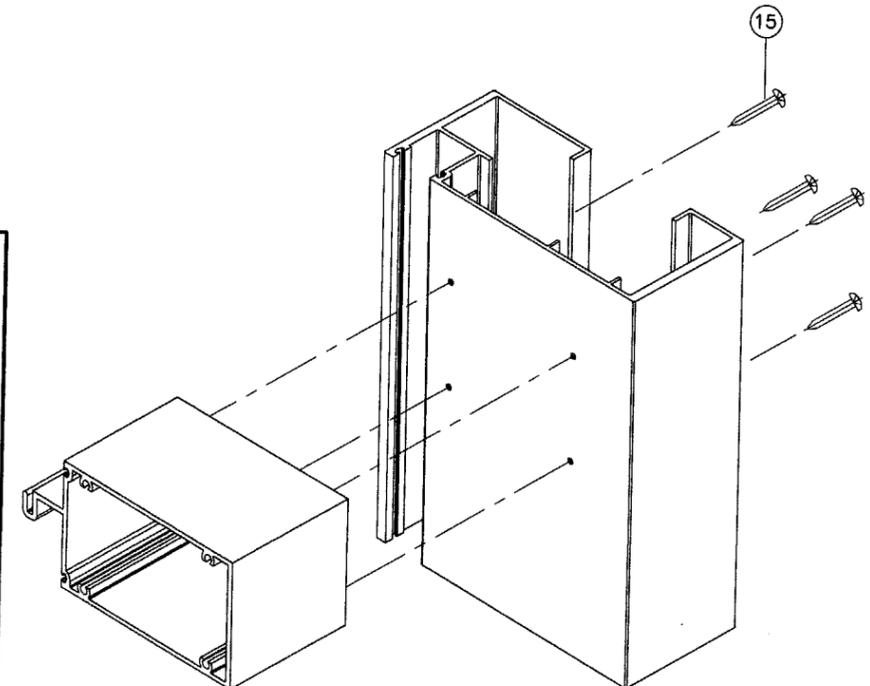
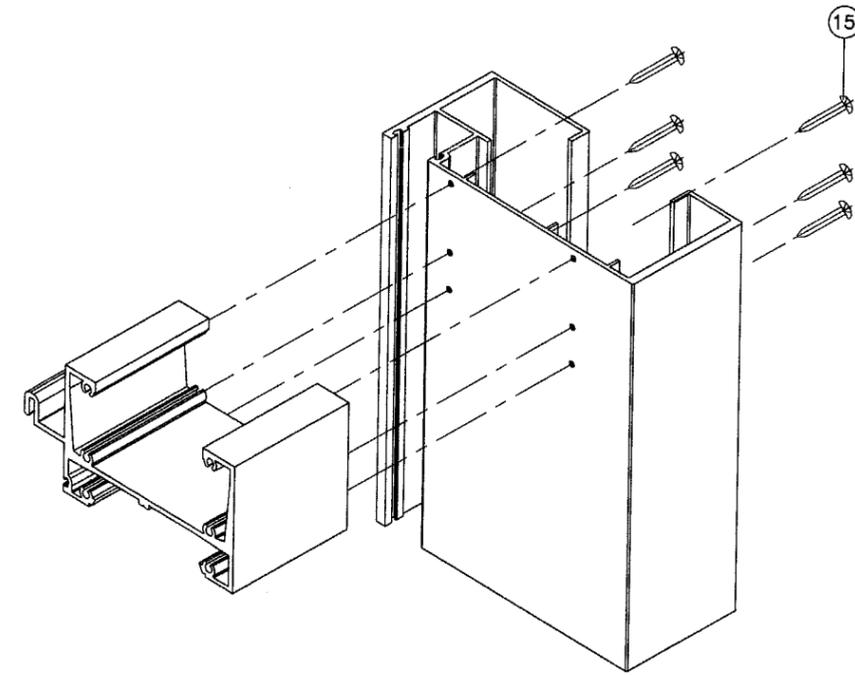
⑥ FEMALE MULLION



④ FRAME JAMB



④A CLOSED FRAME JAMB



FRAME CORNER

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

JUN 28 2005

PRODUCT REVISED
in compliance with the Florida
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By: *M. H. H.*
Shimali Dade Product Control
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no	date	description
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C	06.27.05	NO CHANGE THIS SHEET

date: 12-19-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-115
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