MIAMI-DADE

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)

R.C. Aluminum Industries, Inc.
2805 N.W. 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 FX 345 Aluminum Window Wall System

APPROVAL DOCUMENT: Drawing No. **W03-46**, titled " Series "FX-345" Alum Window Wall System (S.M.I.)", sheets 1 through 10 of 10, prepared by AL-Farooq Corporation, dated 06/21/03, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

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 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 **Theodore Berman, P.E.**

MB
5/26/200x

PRODUCT CONTROL ACCEPTED

R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturers die drawings and sections.
2. Drawing No. **W03-46,** titled "Series "FX-345" Alum Window Wall System (S.M.I.)", sheets 1 through 7 of 7, prepared by AL-Farooq Corporation, dated 06/21/03, 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-3719**, dated 02/26/03, signed and sealed by Joseph C. Chan, P.E.
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-3713**, dated 02/14/03, signed and sealed by Joseph C. Chan, P.E.
3. 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 Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3478**, dated 07/03/02, signed and sealed by Joseph C. Chan, P.E.
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-01-1031**, dated 06/11/01, signed and sealed by Hector M. Medina, P.E.

Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-1023.02
Expiration Date: June 10, 2009
Approval Date: June 10, 2004

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. 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-01-1189**, dated 06/01/01, signed and sealed by Hector M. Medina, P.E.
6. Tensile Test prepared by Hurricane Engineering & Testing Inc. Test No. **HETI-01-T070**, dated 07/10/01, tested per ASTM E 8-96, signed and sealed by Rafael E. Droz-Seda.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by manufacture, dated 07/01/03,with revisions on 04/21/04, signed and sealed by Humayoun Farooq, P.E.

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.
2. Notice of Acceptance No. **03-0421.02** issued to " Solutia Inc." for "Saflex IIG PVB Interlayer" dated 01/08/04, expiring on 5/21/06.

F. STATEMENTS

1. Statement letter of no financial interest, dated 07/01/03 signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of Code Compliance issued by AL-Farooq Corporation, on 02/21/04 signed and sealed by Humayoun Farooq, P.E.

G. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).

Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-1023.02
Expiration Date: June 10, 2009
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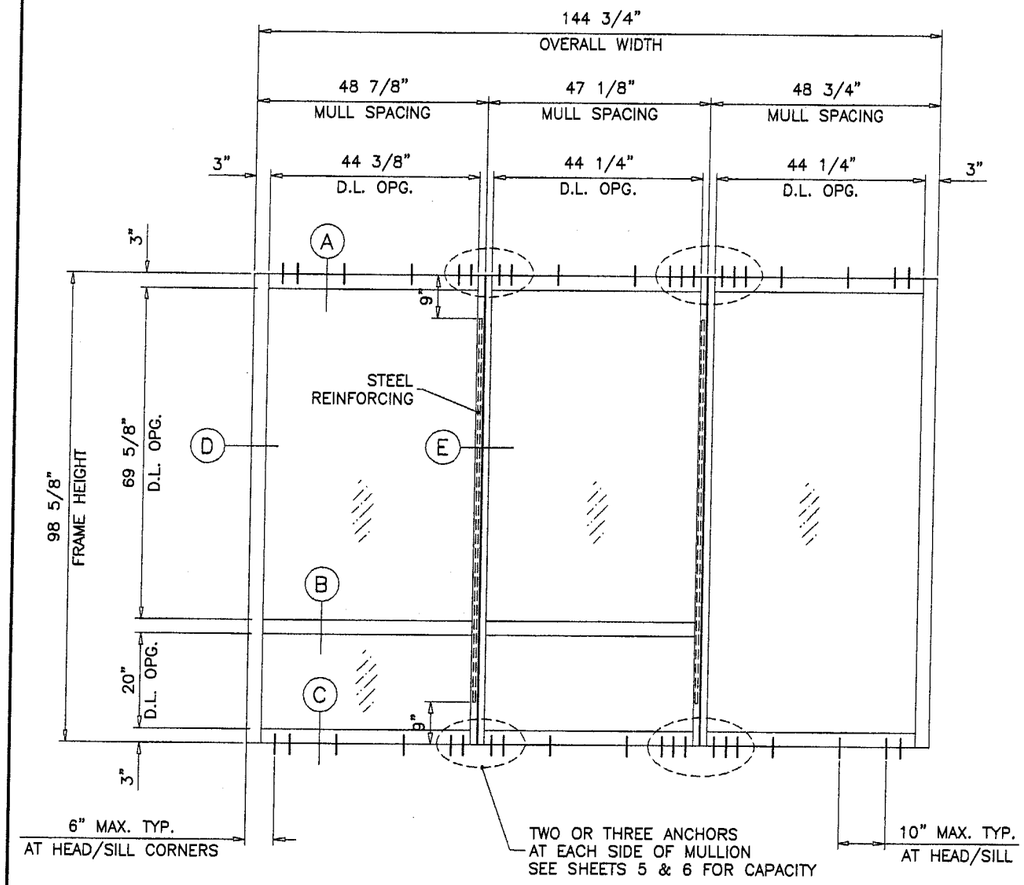
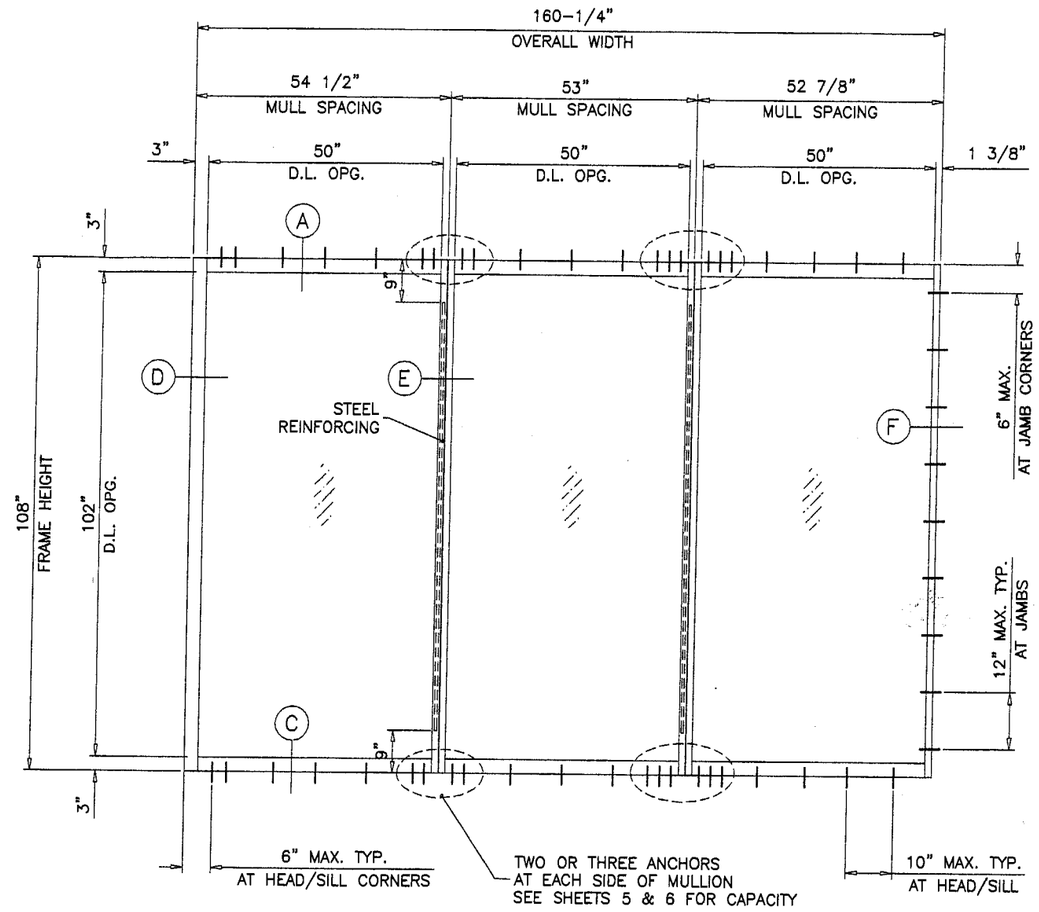




TYPICAL ELEVATIONS
TESTED UNITS

Approved as complying with the
Florida Building Code
Date 06/10/04
NOA# 03-1023.02
Miami Dade Product Control
Division
By

FX-345 ALUM. WINDOW WALL SYSTEM (S.M.I.)

THIS SYSTEM IS RATED FOR SMALL MISSILE IMPACT.

MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQUIRED FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE.

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.

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

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 & 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.

STEP 3 CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 4
THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.

STEP 4 USING CHART ON SHEET 5 & 6 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

STEP 5 FOR CAPACITY OF JAMBS WITH ANCHORS OPTION SEE CHART ON SHEET 7.

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

MAY 06 2004

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE\W03-46RC

FX-345 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	04.23.04		REV. PER BCCO COMMENTS

date: 06-21-03
scale: 3/8"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W03-46

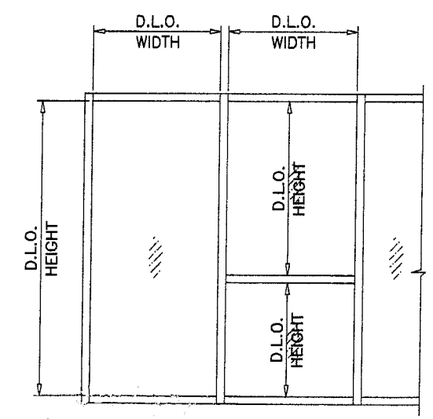
GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(−)	EXT.(+) INT.(−)
24"	60"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		143.0	105.0
45"		143.0	105.0
48"		143.0	105.0
51"		143.0	105.0
54"		143.0	105.0
57"		142.0	105.0
60"		134.4	105.0
63"		128.8	105.0
66"		101.0	X
69"		101.0	X
72"		101.0	X
24"	63"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		143.0	105.0
45"		143.0	105.0
48"		143.0	105.0
51"		143.0	105.0
54"		143.0	105.0
57"		136.2	105.0
60"		128.8	105.0
63"		101.0	105.0
66"		101.0	X
69"		101.0	X
72"		101.0	X
24"	66"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		143.0	105.0
45"		143.0	105.0
48"		143.0	105.0
51"		143.0	105.0
54"		138.3	105.0
57"		130.6	105.0
60"		101.0	105.0
63"		101.0	105.0
66"		101.0	X
69"		101.0	X
72"		101.0	X

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(−)	EXT.(+) INT.(−)
24"	69"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		143.0	105.0
45"		143.0	105.0
48"		143.0	105.0
51"		140.8	105.0
54"		132.7	105.0
57"		101.0	105.0
60"		101.0	105.0
63"		101.0	105.0
66"		101.0	X
69"		101.0	X
72"		99.1	X
24"	72"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		143.0	105.0
45"		143.0	105.0
48"		143.0	105.0
51"		135.4	105.0
54"		101.0	105.0
57"		101.0	105.0
60"		101.0	105.0
63"		101.0	105.0
66"		101.0	X
69"		99.1	X
72"		94.5	X
24"	75"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		143.0	105.0
45"		143.0	105.0
48"		139.3	105.0
51"		130.3	105.0
54"		101.0	105.0
57"		101.0	105.0
60"		101.0	105.0
63"		101.0	105.0
66"		100.3	X
69"		95.8	X
72"		91.6	X

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(−)	EXT.(+) INT.(−)
24"	78"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		143.0	105.0
45"		143.0	105.0
48"		134.4	105.0
51"		101.0	105.0
54"		101.0	105.0
57"		101.0	105.0
60"		101.0	105.0
63"		101.0	101.4
66"		96.9	X
69"		92.7	X
72"		88.8	X
24"	81"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		143.0	105.0
45"		140.7	105.0
48"		101.0	105.0
51"		101.0	105.0
54"		101.0	105.0
57"		101.0	105.0
60"		101.0	102.6
63"		97.9	X
66"		93.7	X
69"		89.7	X
72"		86.1	X
24"	84"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		143.0	105.0
45"		136.3	105.0
48"		101.0	105.0
51"		101.0	105.0
54"		101.0	105.0
57"		101.0	103.9
60"		98.8	98.8
63"		94.5	X
66"		90.6	X
69"		86.8	X

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(−)	EXT.(+) INT.(−)
24"	87"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		143.0	105.0
45"		101.0	105.0
48"		101.0	105.0
51"		101.0	105.0
54"		101.0	105.0
57"		100.3	100.3
60"		95.4	X
63"		91.2	X
66"		87.4	X
69"		84.1	X
24"	90"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		142.6	105.0
45"		101.0	105.0
48"		101.0	105.0
51"		101.0	105.0
54"		101.0	102.4
57"		96.9	X
60"		92.1	X
63"		88.2	X
66"		84.6	X
24"	93"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		101.0	105.0
45"		101.0	105.0
48"		101.0	105.0
51"		101.0	105.0
54"		99.0	99.0
57"		93.6	X
60"		89.1	X
63"		85.2	X

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(−)	EXT.(+) INT.(−)
24"	96"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		101.0	105.0
45"		101.0	105.0
48"		101.0	105.0
51"		101.0	102.6
54"		95.8	X
57"		90.4	X
60"		86.1	X
24"	99"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		143.0	105.0
42"		101.0	105.0
45"		101.0	105.0
48"		101.0	105.0
51"		99.6	99.6
54"		93.0	X
57"		87.6	X
60"		83.2	X



Approved as complying with the Florida Buiding Code
Date 06/10/04
NOA# 03-1023.02
Miami Dade Product Control Division
By [signature]

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

MAY 06 2004

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX. (305) 262-6978
STORE\W03-46RC

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revisions:

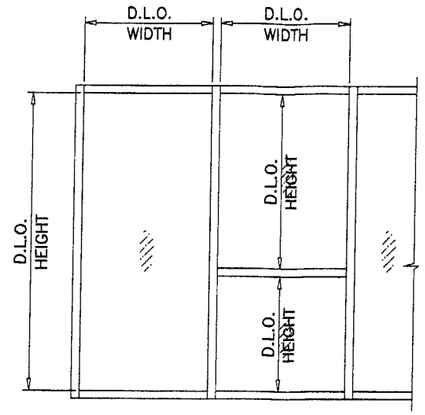
no	date	by	description
A	04.23.04		REV. PER BCCO COMMENTS

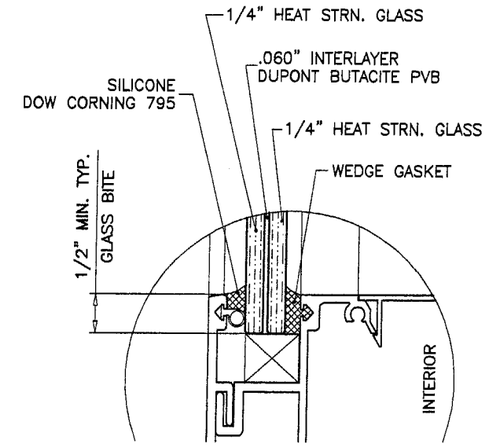
date: 06-21-03
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W03-46

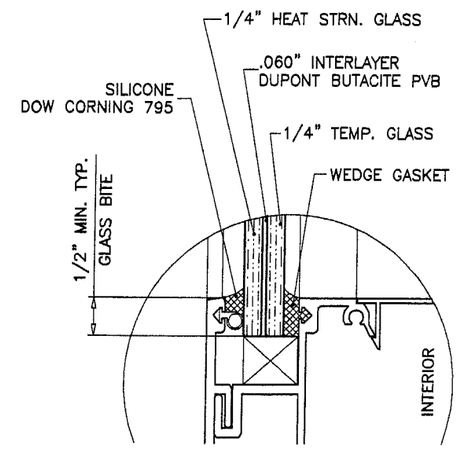
GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(−)	EXT.(+) INT.(−)
24"	102"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		101.0	105.0
42"		101.0	105.0
45"		101.0	105.0
48"		101.0	105.0
51"		96.9	X
54"		90.3	X
57"		84.9	X
24"	105"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		143.0	105.0
39"		101.0	105.0
42"		101.0	105.0
45"		101.0	105.0
48"		101.0	102.9
51"		94.3	X
54"		87.7	X
57"		82.3	X
24"	108"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		101.0	105.0
39"		101.0	105.0
42"		101.0	105.0
45"		101.0	105.0
48"		100.6	X
51"		92.1	X
54"		85.3	X
24"	111"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		101.0	105.0
39"		101.0	105.0
42"		101.0	105.0
45"		101.0	105.0
48"		98.5	X
51"		89.8	X
54"		83.1	X

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'B'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(−)	EXT.(+) INT.(−)
24"	114"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		101.0	105.0
39"		101.0	105.0
42"		101.0	105.0
45"		101.0	X
48"		96.6	X
51"		87.9	X
24"	117"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		143.0	105.0
36"		101.0	105.0
39"		101.0	105.0
42"		101.0	105.0
45"		101.0	X
48"		94.9	X
51"		86.1	X
24"	120"	143.0	105.0
27"		143.0	105.0
30"		143.0	105.0
33"		101.0	105.0
36"		101.0	105.0
39"		101.0	105.0
42"		101.0	105.0
45"		101.0	X
48"		93.3	X





GLASS TYPE 'A'



GLASS TYPE 'B'

GLAZING OPTIONS

Approved as complying with the Florida Buiding Code
Date 06/10/04
NOA# 03-1023.02
Miami Dade Product Control Division
By Gordon Berman

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

MAY 06 2004

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE\W03-46RC

FX-345 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	04.23.04		REV. PER BCCO COMMENTS

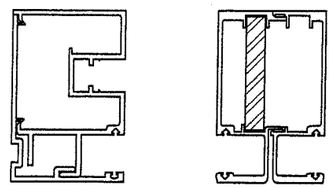
date: 06-21-03
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no. W03-46

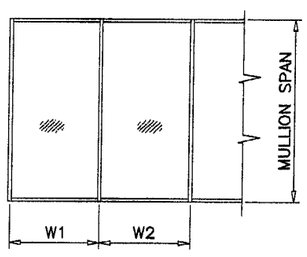
sheet 3 of 10

JAMB & MULLION DESIGN LOAD CAPACITY – PSF WITHOUT INTERMEDIATE HORIZONTALS		
NOMINAL DIMS.		EXT.(+)
WIDTH (W)	FRAME HEIGHT	INT.(–)
30"	60"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
66"		130.0
72"		130.0
30"	66"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
66"		130.0
72"		130.0
30"	72"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
66"		130.0
72"		105.0
30"	78"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
66"		105.0
72"		105.0
30"	84"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		130.0
60"		105.0
66"		105.0
30"	90"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		105.0
60"		105.0
30"	96"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		105.0
60"		105.0

JAMB & MULLION DESIGN LOAD CAPACITY – PSF WITHOUT INTERMEDIATE HORIZONTALS		
NOMINAL DIMS.		EXT.(+)
WIDTH (W)	FRAME HEIGHT	INT.(–)
30"	102"	130.0
36"		130.0
42"		130.0
48"		105.0
54"		105.0
30"	108"	130.0
36"		130.0
42"		120.6
48"		105.0
30"	114"	130.0
36"		117.2
42"		105.0
48"		96.5
30"	120"	118.8
36"		100.1
42"		92.5
48"		82.2



FRAME JAMB FRAME MULL

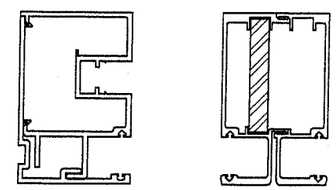


$$\text{WIDTH (W)} = \frac{W1 + W2}{2} \text{ (MULLION)}$$

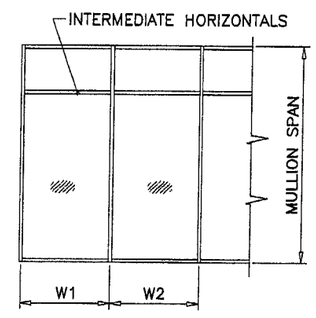
WIDTH (W) = W1 (JAMB)

JAMB & MULLION DESIGN LOAD CAPACITY – PSF WITH INTERMEDIATE HORIZONTALS		
NOMINAL DIMS.		EXT.(+)
WIDTH (W)	FRAME HEIGHT	INT.(–)
30"	60"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
66"		130.0
72"		130.0
30"	66"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
66"		130.0
72"		130.0
30"	72"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
66"		130.0
72"		105.0
30"	78"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		130.0
60"		130.0
66"		105.0
72"		105.0
30"	84"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		130.0
60"		105.0
66"		105.0
30"	90"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		105.0
60"		105.0
30"	96"	130.0
36"		130.0
42"		130.0
48"		130.0
54"		121.0
60"		108.9

JAMB & MULLION DESIGN LOAD CAPACITY – PSF WITH INTERMEDIATE HORIZONTALS		
NOMINAL DIMS.		EXT.(+)
WIDTH (W)	FRAME HEIGHT	INT.(–)
30"	102"	130.0
36"		130.0
42"		130.0
48"		120.6
54"		107.2
30"	108"	130.0
36"		130.0
42"		113.7
48"		105.0
30"	114"	130.0
36"		112.8
42"		95.2
48"		83.3
30"	120"	116.1
36"		96.7
42"		88.2
48"		77.2



FRAME JAMB FRAME MULL



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

WIDTH (W) = W1 (JAMB)

Approved as complying with the Florida Buiding Code
Date 06/10/04
NOA# 03-1023.02
Miami Dade Product Control Division
By [signature]

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

MAY 06 2004

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MIAMI, FL. 33122
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revisions:

no	date	by	description
A	04.23.04		REV. PER BCCO COMMENTS

date: 06-21-03
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

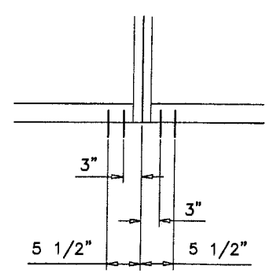
drawing no. W03-46

ANCHOR DESIGN LOAD CAPACITY - PSF

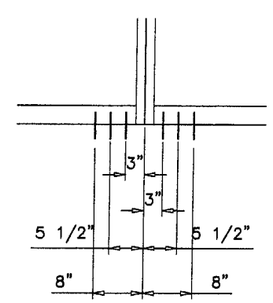
NOMINAL DIMS.		2 ANCHORS @ EACH SIDE OF MULL				3 ANCHORS @ EACH SIDE OF MULL			
		3/8" MAX. SHIM SPACE		1/2" MAX. SHIM SPACE		3/8" MAX. SHIM SPACE		1/2" MAX. SHIM SPACE	
		TYPE 'A2'	TYPE 'B2'	TYPE 'A2'	TYPE 'B2'	TYPE 'A3'	TYPE 'B3'	TYPE 'A3'	TYPE 'B3'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30"	60"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
48"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
54"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
60"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
66"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
72"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
30"	66"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
48"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
54"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
60"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
66"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
72"		105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
30"	72"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
48"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
54"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
60"		130.0	130.0	130.0	127.0	130.0	130.0	130.0	130.0
66"		105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
72"		105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
30"	78"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
48"		130.0	130.0	130.0	123.4	130.0	130.0	130.0	130.0
54"		130.0	130.0	130.0	116.2	130.0	130.0	130.0	130.0
60"		105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
66"		105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
72"		105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
30"	84"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	120.9	130.0	130.0	130.0	130.0
48"		130.0	130.0	125.4	111.1	130.0	130.0	130.0	130.0
54"		130.0	127.2	117.3	104.0	130.0	130.0	130.0	130.0
60"		105.0	105.0	105.0	98.8	105.0	105.0	105.0	105.0
66"		105.0	105.0	105.0	95.1	105.0	105.0	105.0	105.0
30"	90"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	123.4	130.0	130.0	130.0	130.0
42"		130.0	130.0	124.6	110.4	130.0	130.0	130.0	130.0
48"		130.0	123.5	114.0	101.0	130.0	130.0	130.0	130.0
54"		105.0	105.0	105.0	94.1	105.0	105.0	105.0	105.0
60"		105.0	105.0	100.3	88.9	105.0	105.0	105.0	105.0

ANCHOR DESIGN LOAD CAPACITY - PSF

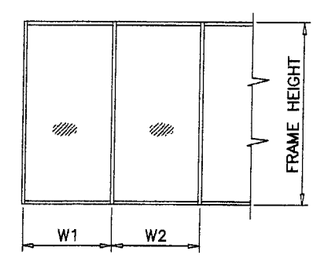
NOMINAL DIMS.		2 ANCHORS @ EACH SIDE OF MULL				3 ANCHORS @ EACH SIDE OF MULL			
		3/8" MAX. SHIM SPACE		1/2" MAX. SHIM SPACE		3/8" MAX. SHIM SPACE		1/2" MAX. SHIM SPACE	
		TYPE 'A2'	TYPE 'B2'	TYPE 'A2'	TYPE 'B2'	TYPE 'A3'	TYPE 'B3'	TYPE 'A3'	TYPE 'B3'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30"	96"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	128.6	113.9	130.0	130.0	130.0	130.0
42"		130.0	124.3	114.7	101.6	130.0	130.0	130.0	130.0
48"		129.6	113.3	104.5	92.6	130.0	130.0	130.0	130.0
54"		105.0	105.0	96.9	85.9	105.0	105.0	105.0	105.0
60"		105.0	98.8	91.2	80.8	105.0	105.0	105.0	105.0
30"	102"	130.0	130.0	130.0	122.6	130.0	130.0	130.0	130.0
36"		130.0	129.4	119.4	105.8	130.0	130.0	130.0	130.0
42"		130.0	115.0	106.2	94.1	130.0	130.0	130.0	130.0
48"		105.0	104.5	96.5	85.5	105.0	105.0	105.0	105.0
54"		105.0	98.6	89.2	79.0	105.0	105.0	105.0	105.0
30"	108"	130.0	130.0	129.4	114.7	130.0	130.0	130.0	130.0
36"		130.0	120.8	111.5	98.8	130.0	130.0	130.0	130.0
42"		122.6	107.1	98.8	87.6	130.0	130.0	130.0	130.0
48"		105.0	97.1	89.6	79.4	105.0	105.0	105.0	105.0
30"	114"	130.0	130.0	121.6	107.7	130.0	130.0	130.0	130.0
36"		129.6	113.3	104.5	92.6	130.0	130.0	130.0	130.0
42"		105.0	100.2	92.5	81.9	105.0	105.0	105.0	105.0
48"		103.7	90.6	83.6	74.1	105.0	105.0	105.0	105.0
30"	120"	130.0	124.3	114.7	101.6	130.0	130.0	130.0	130.0
36"		122.0	106.6	98.4	87.1	130.0	130.0	130.0	130.0
42"		107.7	94.1	86.9	77.0	105.0	105.0	105.0	105.0
48"		97.2	84.9	78.4	69.4	105.0	105.0	105.0	104.1



TWO ANCHORS
AT EACH SIDE OF MULLS



THREE ANCHORS
AT EACH SIDE OF MULLS



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

WIDTH (W) = W1 (JAMB)

ANCHORS TYPES: SEE SHEET 8 FOR DESCRIPTION

A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION

A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

ANCHOR LOAD CHARTS FOR MULLS
WITHOUT INTERMEDIATE HORIZONTALS

Approved as complying with the
Florida Building Code
Date 06/10/04
NOA# 03-1023.02
Miami Dade Product Control
Division
By

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

MAY 06 2004

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revisions:

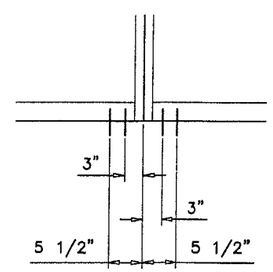
no	date	by	description
A	04.23.04		REV. PER BCCO COMMENTS

date: 06-21-03
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

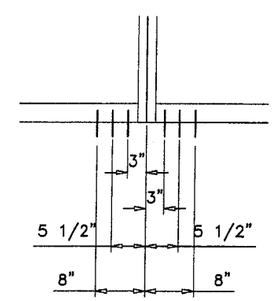
drawing no.
W03-46

ANCHOR DESIGN LOAD CAPACITY - PSF									
		2 ANCHORS @ EACH SIDE OF MULL				3 ANCHORS @ EACH SIDE OF MULL			
		3/8" MAX. SHIM SPACE		1/2" MAX. SHIM SPACE		3/8" MAX. SHIM SPACE		1/2" MAX. SHIM SPACE	
NOMINAL DIMS.		TYPE 'A2'	TYPE 'B2'	TYPE 'A2'	TYPE 'B2'	TYPE 'A3'	TYPE 'B3'	TYPE 'A3'	TYPE 'B3'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (−)	EXT. (+) INT. (−)	EXT. (+) INT. (−)	EXT. (+) INT. (−)	EXT. (+) INT. (−)	EXT. (+) INT. (−)	EXT. (+) INT. (−)	EXT. (+) INT. (−)
30"	60"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	127.0	130.0	130.0	130.0	130.0
48"		130.0	130.0	125.4	111.1	130.0	130.0	130.0	130.0
54"		130.0	120.8	111.5	98.8	130.0	130.0	130.0	130.0
60"		124.4	108.7	100.3	88.9	130.0	130.0	130.0	130.0
66"		113.1	98.8	91.2	80.8	130.0	130.0	130.0	121.2
72"		103.7	90.6	83.6	74.1	130.0	130.0	125.5	111.1
30"	66"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
42"		130.0	130.0	130.0	115.4	130.0	130.0	130.0	130.0
48"		130.0	123.5	114.0	101.0	130.0	130.0	130.0	130.0
54"		125.7	109.8	101.3	89.8	130.0	130.0	130.0	130.0
60"		113.1	98.8	91.2	80.8	130.0	130.0	130.0	121.2
66"		102.8	89.9	82.9	73.5	130.0	130.0	124.4	110.1
72"		94.2	82.4	76.0	67.3	105.0	105.0	105.0	101.0
30"	72"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	130.0	123.4	130.0	130.0	130.0	130.0
42"		130.0	129.4	119.4	105.8	130.0	130.0	130.0	130.0
48"		129.6	113.3	104.5	92.6	130.0	130.0	130.0	130.0
54"		115.2	100.7	92.9	82.3	130.0	130.0	130.0	123.4
60"		103.7	90.6	83.6	74.1	130.0	130.0	125.5	111.1
66"		94.2	82.4	76.0	67.3	105.0	105.0	105.0	101.0
72"		86.4	75.5	69.7	61.7	105.0	105.0	104.6	92.6
30"	78"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		130.0	130.0	128.6	113.9	130.0	130.0	130.0	130.0
42"		130.0	119.5	110.2	97.7	130.0	130.0	130.0	130.0
48"		119.6	104.5	96.5	85.5	130.0	130.0	130.0	128.2
54"		106.3	92.9	85.7	76.0	130.0	130.0	128.7	113.9
60"		95.7	83.6	77.2	68.4	105.0	105.0	105.0	102.5
66"		87.0	76.0	70.2	62.2	105.0	105.0	105.0	93.2
72"		79.7	69.7	64.3	57.0	105.0	104.5	96.5	85.4
30"	84"	130.0	130.0	130.0	127.0	130.0	130.0	130.0	130.0
36"		130.0	129.4	119.4	105.8	130.0	130.0	130.0	130.0
42"		126.9	110.9	102.4	90.7	130.0	130.0	130.0	130.0
48"		111.1	97.1	89.6	79.4	130.0	130.0	130.0	119.0
54"		98.7	86.3	79.6	70.5	130.0	129.4	119.5	105.8
60"		88.9	77.7	71.7	63.5	105.0	105.0	105.0	95.2
66"		80.8	70.6	65.1	57.7	105.0	105.0	97.8	86.5
30"	90"	130.0	130.0	130.0	118.5	130.0	130.0	130.0	130.0
36"		130.0	120.8	111.5	98.8	130.0	130.0	130.0	130.0
42"		118.5	103.5	95.5	84.6	130.0	130.0	130.0	126.9
48"		103.7	90.6	83.6	74.1	130.0	130.0	125.5	111.1
54"		92.1	80.5	74.3	65.8	105.0	105.0	105.0	98.7
60"		82.9	72.5	66.9	59.3	105.0	105.0	100.4	88.9

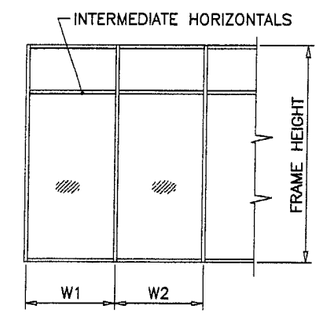
ANCHOR DESIGN LOAD CAPACITY - PSF									
		2 ANCHORS @ EACH SIDE OF MULL				3 ANCHORS @ EACH SIDE OF MULL			
		3/8" MAX. SHIM SPACE		1/2" MAX. SHIM SPACE		3/8" MAX. SHIM SPACE		1/2" MAX. SHIM SPACE	
NOMINAL DIMS.		TYPE 'A2'	TYPE 'B2'	TYPE 'A2'	TYPE 'B2'	TYPE 'A3'	TYPE 'B3'	TYPE 'A3'	TYPE 'B3'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (−)	EXT. (+) INT. (−)	EXT. (+) INT. (−)	EXT. (+) INT. (−)	EXT. (+) INT. (−)	EXT. (+) INT. (−)	EXT. (+) INT. (−)	EXT. (+) INT. (−)
30"	96"	130.0	130.0	125.4	111.1	130.0	130.0	130.0	130.0
36"		129.6	113.3	104.5	92.6	130.0	130.0	130.0	130.0
42"		111.1	97.1	89.6	79.4	130.0	130.0	130.0	119.0
48"		97.2	84.9	78.4	69.4	130.0	127.4	117.6	104.1
54"		86.4	75.5	69.7	61.7	105.0	105.0	104.6	92.6
60"		77.8	68.0	62.7	55.6	105.0	101.9	94.1	83.3
30"	102"	130.0	127.9	118.0	104.6	130.0	130.0	130.0	130.0
36"		122.0	106.6	98.4	87.1	130.0	130.0	130.0	130.0
42"		104.5	91.4	84.3	74.7	130.0	130.0	126.5	112.0
48"		91.5	79.9	73.8	65.4	105.0	105.0	105.0	98.0
54"		81.3	71.1	65.6	58.1	105.0	105.0	98.4	87.1
30"	108"	130.0	120.8	111.5	98.8	130.0	130.0	130.0	130.0
36"		115.2	100.7	92.9	82.3	130.0	130.0	130.0	123.4
42"		98.7	86.3	79.6	70.5	130.0	129.4	119.5	105.8
48"		86.4	75.5	69.7	61.7	105.0	105.0	104.6	92.6
30"	114"	130.0	114.4	105.6	93.6	130.0	130.0	130.0	130.0
36"		109.1	95.4	88.0	78.0	130.0	130.0	130.0	116.9
42"		93.5	81.7	75.4	66.8	105.0	105.0	105.0	100.2
48"		81.8	71.5	66.0	58.5	105.0	105.0	99.1	87.7
30"	120"	124.4	108.7	100.3	88.9	130.0	130.0	130.0	130.0
36"		103.7	90.6	83.6	74.1	130.0	130.0	125.5	111.1
42"		88.9	77.7	71.7	63.5	105.0	105.0	105.0	95.2
48"		77.8	68.0	62.7	55.6	105.0	101.9	94.1	83.3



TWO ANCHORS
AT EACH SIDE OF MULLS



THREE ANCHORS
AT EACH SIDE OF MULLS



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

WIDTH (W) = W1 (JAMB)

ANCHORS TYPES: SEE SHEET 8 FOR DESCRIPTION

A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION
A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

ANCHOR LOAD CHARTS FOR MULLS
WITH INTERMEDIATE HORIZONTALS

Approved as complying with the Florida Buiding Code
Date 06/10/04
NOA# 03-1023.02
Miami Dade Product Control Division
By

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

MAY 06 2004

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

STORE\W03-46RC

FX-345 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:

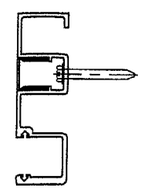
no	date	by	description
A	04.23.04		REV. PER BCCO COMMENTS

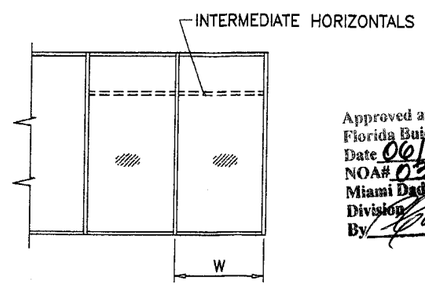
date: 06-21-03
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W03-46

JAMB ANCHOR DESIGN LOAD CAPACITY – PSF					
NOMINAL DIMS.		3/8" MAX. SHIM SPACE		1/2" MAX. SHIM SPACE	
		TYPE 'A'	TYPE 'B'	TYPE 'A'	TYPE 'B'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
24"	60"	143.0	143.0	143.0	143.0
30"		143.0	143.0	143.0	143.0
36"		143.0	143.0	143.0	143.0
42"		143.0	143.0	143.0	143.0
48"		143.0	143.0	143.0	138.9
54"		143.0	143.0	139.4	123.4
60"		143.0	135.9	125.4	111.1
66"		141.4	123.5	114.0	101.0
72"		129.6	113.2	104.5	92.6
24"	66"	143.0	143.0	143.0	143.0
30"		143.0	143.0	143.0	143.0
36"		143.0	143.0	143.0	143.0
42"		143.0	143.0	143.0	143.0
48"		143.0	143.0	143.0	143.0
54"		143.0	143.0	143.0	134.6
60"		143.0	143.0	136.8	121.2
66"		143.0	134.8	124.4	110.2
72"		141.4	123.5	114.0	101.0
24"	72"	143.0	143.0	143.0	143.0
30"		143.0	143.0	143.0	143.0
36"		143.0	143.0	143.0	143.0
42"		143.0	143.0	143.0	143.0
48"		143.0	143.0	143.0	138.9
54"		143.0	143.0	139.4	123.4
60"		143.0	135.9	125.4	111.1
66"		141.4	123.5	114.0	101.0
72"		129.6	113.2	104.5	92.6
24"	78"	143.0	143.0	143.0	143.0
30"		143.0	143.0	143.0	143.0
36"		143.0	143.0	143.0	143.0
42"		143.0	143.0	143.0	143.0
48"		143.0	143.0	143.0	143.0
54"		143.0	143.0	143.0	132.9
60"		143.0	143.0	135.1	119.6
66"		143.0	133.0	122.8	108.7
72"		139.6	121.9	112.6	99.7
24"	84"	143.0	143.0	143.0	143.0
30"		143.0	143.0	143.0	143.0
36"		143.0	143.0	143.0	143.0
42"		143.0	143.0	143.0	143.0
48"		143.0	143.0	143.0	138.9
54"		143.0	143.0	139.4	123.4
60"		143.0	135.9	125.4	111.1
66"		141.4	123.5	114.0	101.0

JAMB ANCHOR DESIGN LOAD CAPACITY – PSF					
NOMINAL DIMS.		3/8" MAX. SHIM SPACE		1/2" MAX. SHIM SPACE	
		TYPE 'A'	TYPE 'B'	TYPE 'A'	TYPE 'B'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
24"	90"	143.0	143.0	143.0	143.0
30"		143.0	143.0	143.0	143.0
36"		143.0	143.0	143.0	143.0
42"		143.0	143.0	143.0	143.0
48"		143.0	143.0	143.0	143.0
54"		143.0	143.0	143.0	130.0
60"		143.0	143.0	133.8	118.5
24"	96"	143.0	143.0	143.0	143.0
30"		143.0	143.0	143.0	143.0
36"		143.0	143.0	143.0	143.0
42"		143.0	143.0	143.0	143.0
48"		143.0	143.0	143.0	138.9
54"		143.0	143.0	139.4	123.4
24"	102"	143.0	143.0	143.0	143.0
30"		143.0	143.0	143.0	143.0
36"		143.0	143.0	143.0	143.0
42"		143.0	143.0	143.0	143.0
48"		143.0	143.0	143.0	130.0
54"		143.0	143.0	143.0	130.0
24"	108"	143.0	143.0	143.0	143.0
30"		143.0	143.0	143.0	143.0
36"		143.0	143.0	143.0	143.0
42"		143.0	143.0	143.0	143.0
48"		143.0	143.0	143.0	130.0
24"	114'	143.0	143.0	143.0	143.0
30"		143.0	143.0	143.0	143.0
36"		143.0	143.0	143.0	143.0
42"		143.0	143.0	143.0	130.0
48"		143.0	143.0	143.0	130.0
24"	120"	143.0	143.0	143.0	143.0
30"		143.0	143.0	143.0	143.0
36"		143.0	143.0	143.0	143.0
42"		143.0	143.0	143.0	130.0





LOAD CHARTS FOR JAMB ANCHORS TYPE 'A' OR 'B'
AT 6" FROM ENDS AND 12" O.C. MAX.

Approved as complying with the
Florida Buiding Code
Date 06/10/04
NOA# 03-1023.02
Miami Dade Product Control
Division
By

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

MAY 06 2004

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE\W03-46RC

FX-345 ALUM. WINDOW WALL SYSTEM (S.M.I.)

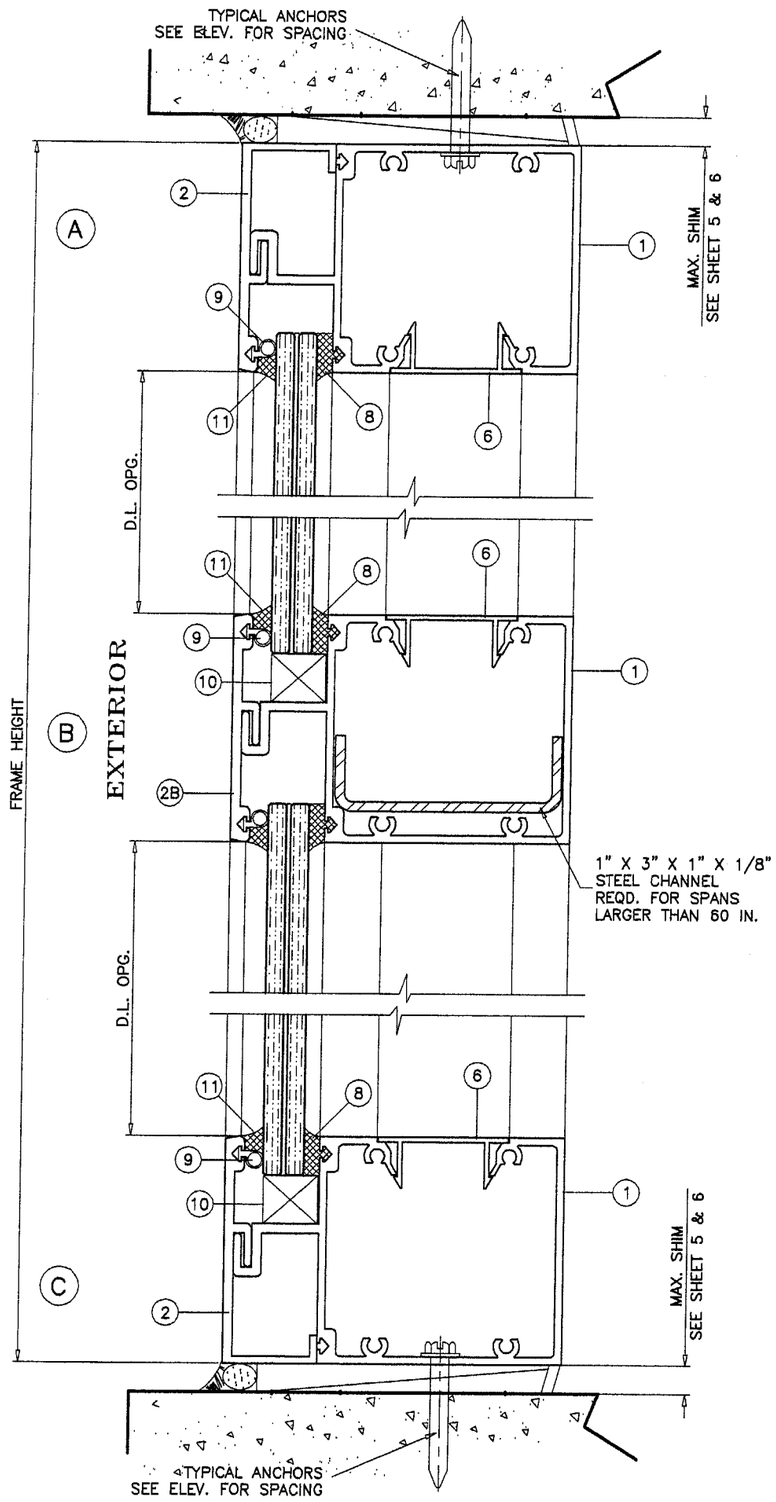
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

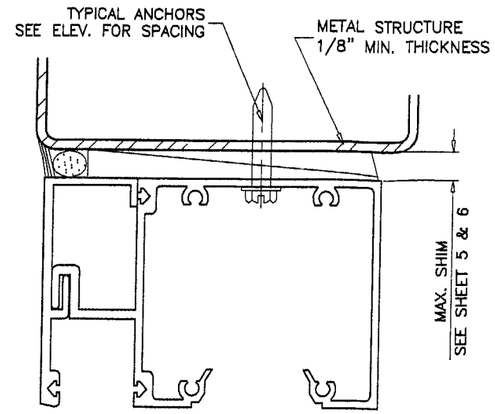
revisions:

no	date	by	description
A	04.23.04		REV. PER BCCO COMMENTS

date: 06-21-03
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W03-46





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 1-1/4" 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" MIN.

SEALANTS:

ALL FRAME CORNERS AND MULLION SEAMS SEALED WITH SILICONE.

Approved as complying with the
Florida Building Code
Date 06/10/04
NOA# 03-1023.02
Miami Dade Product Control
Division
By

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STRUCTURES
FLA. PE # 16557
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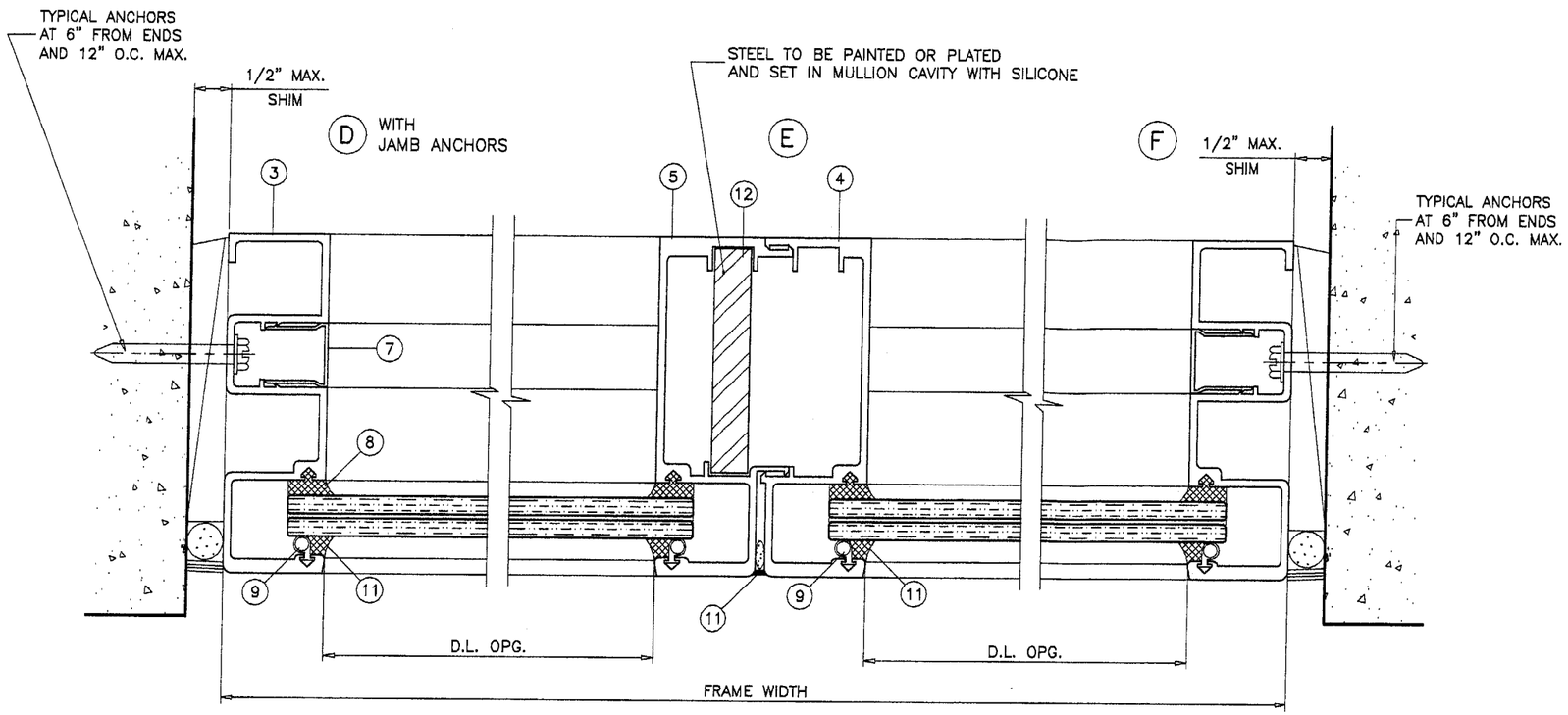
revisions:

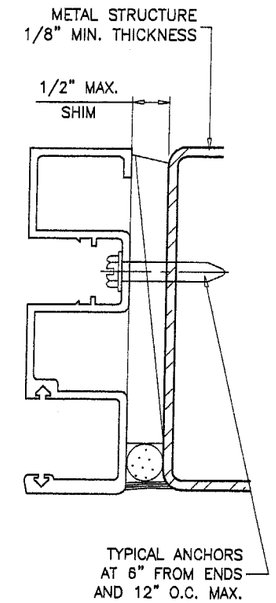
no	date	by	description
A	04.23.04		REV. PER BCCO COMMENTS

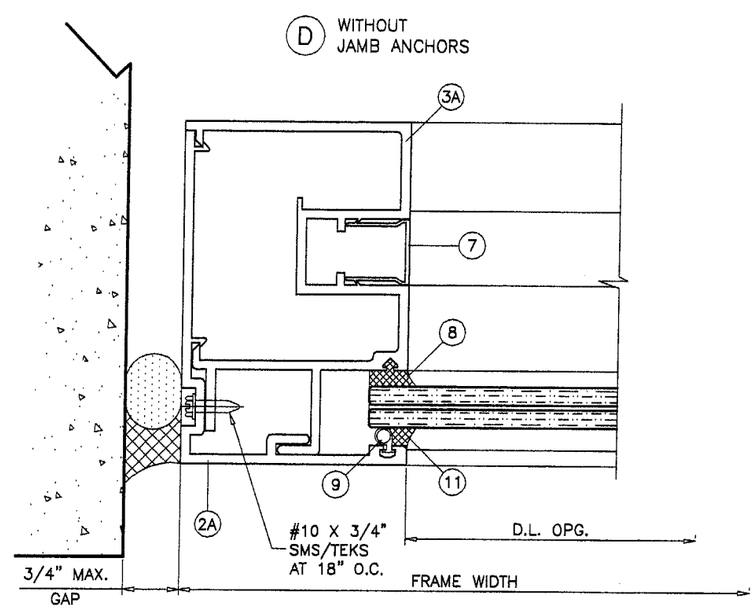
date: 06-21-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-46



JAMB WITH FRAME ANCHORS





OPTIONAL JAMB WITHOUT FRAME ANCHORS

Approved as complying with the Florida Buiding Code
Date 06/10/04
NOA# 03-1023.02
Miami Dade Product Control Division
By

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

MAY 06 2004

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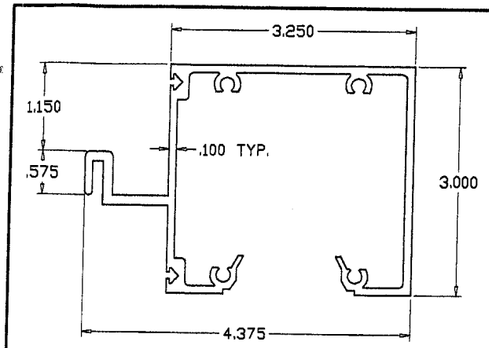
revisions:

no	date	by	description
A	04.23.04		REV. PER BCCO COMMENTS

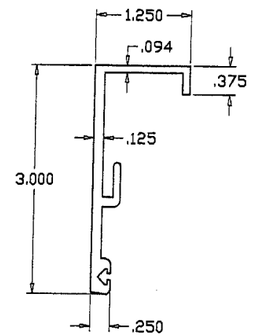
date: 06-21-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no. W03-46

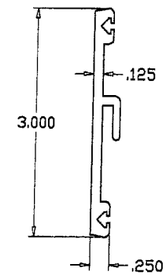
sheet 9 of 10



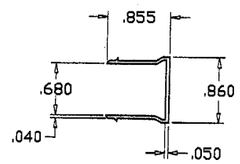
FRAME HEAD/SILL



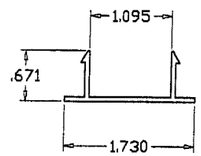
GLAZING RETAINER HEAD/SILL



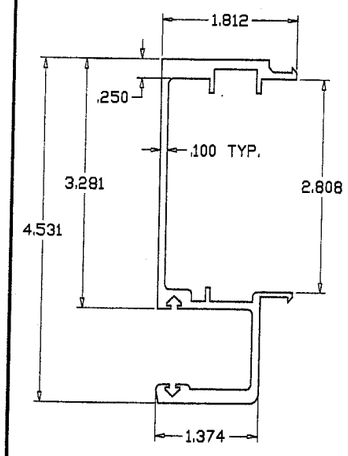
GLAZING RETAINER HORIZONTAL



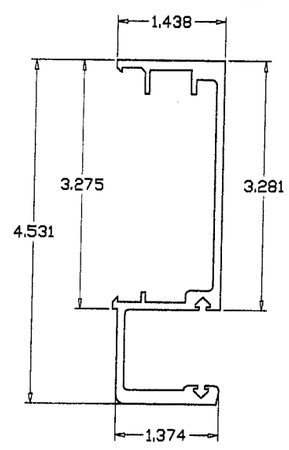
SNAP-IN COVER JAMB



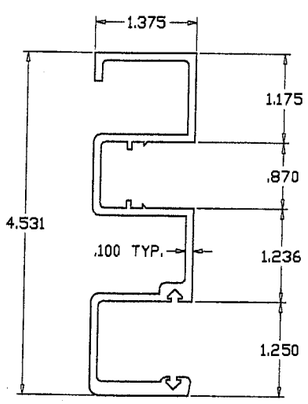
SNAP-IN COVER HEAD/SILL



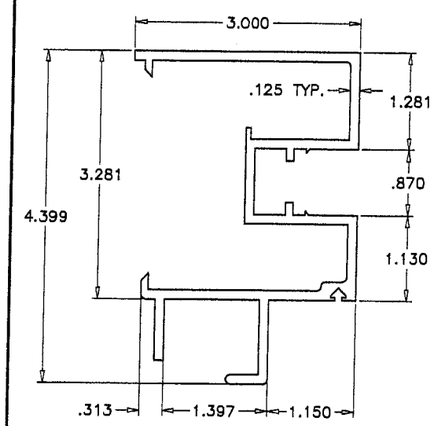
MALE MULLION



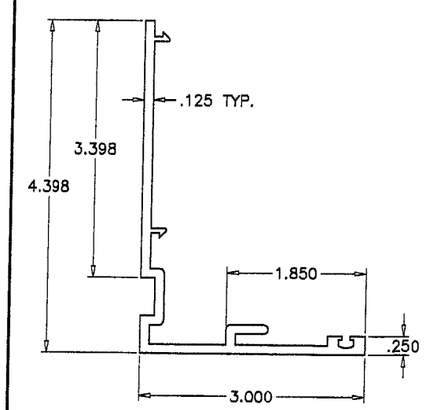
FEMALE MULLION



FRAME JAMB



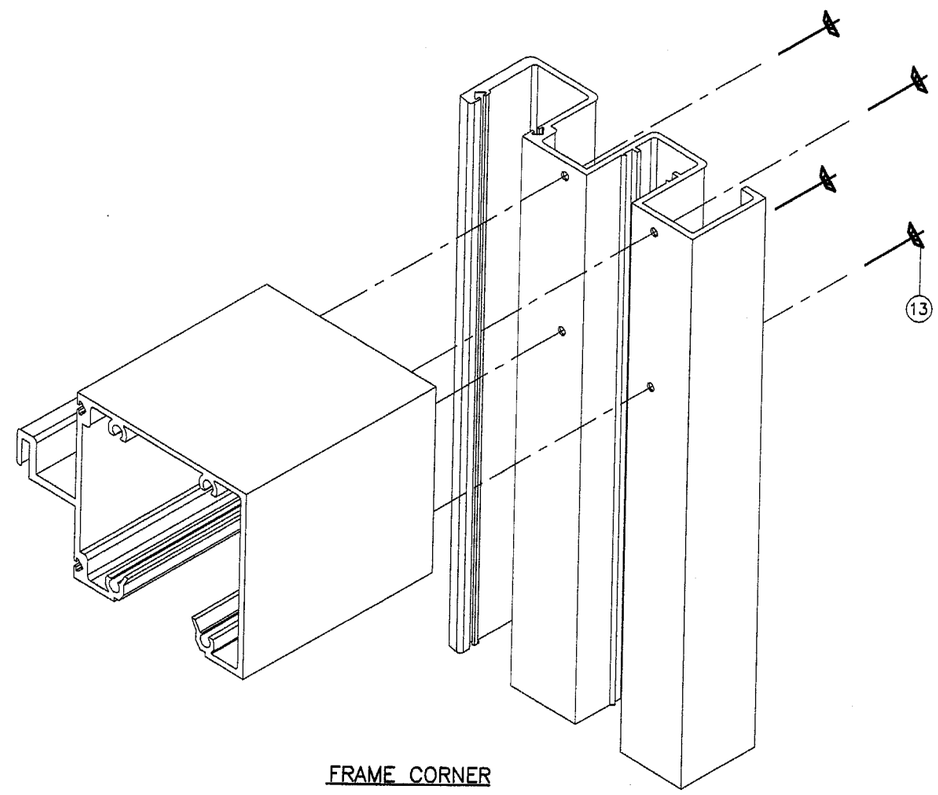
ALT. FRAME JAMB



GLAZING RETAINER JAMB

MATERIALS LIST

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	FX345-04	AS REQD.	FRAME HEAD/SILL	6063-T5	ALUMAX OR EQUIV.
2	FX345-06	AS REQD.	GLAZING RETAINER (HEAD/SILL)	6063-T5	ALUMAX OR EQUIV.
2A	FX345-013	AS REQD.	GLAZING RETAINER (JAMB)	6063-T6	ALUMAX OR EQUIV.
2B	FX345-05	AS REQD.	GLAZING RETAINER (HORIZONTAL)	6063-T6	ALUMAX OR EQUIV.
3	FX345-09	AS REQD.	FRAME JAMB	6063-T5	ALUMAX OR EQUIV.
3A	FX345-012	AS REQD.	ALT. FRAME JAMB	6063-T6	ALUMAX OR EQUIV.
4	FX345-01	AS REQD.	FEMALE MULLION	6063-T5	ALUMAX OR EQUIV.
5	FX345-02	AS REQD.	MALE MULLION	6063-T5	ALUMAX OR EQUIV.
6	FX345-07	AS REQD.	SNAP-IN COVER HEAD/SILL	6063-T5	ALUMAX OR EQUIV.
7	245FX011	AS REQD.	SNAP-IN COVER JAMB	6063-T5	ALUMAX OR EQUIV.
8	WV-8215	AS REQD.	GLAZING GASKET	VINYL	WIBORG
9	WV-3289	AS REQD.	BULB WEATHERSTRIPPING	VINYL	WIBORG
10	–	2/ LITE	SETTING BLOCKS (3/4" X 5/8" X 3-1/4")	NEOPRENE	LOWE
11	–	–	SEALANT DOW CORNING 795 OR EQUAV.	SILICONE	AT EXT. GLASS PERIMETER
12	–	1/ MULLION	REINFORCING BAR (1/2" X 3" X 90")	STEEL	SILICONED IN PLACE
13	–	4/ CORNER	FRAME ASSEMBLY SCREWS	–	# 12 X 1-1/4" PH SMS



FRAME CORNER

Approved as complying with the Florida Building Code
Date 06/10/04
NOA# 03-1023.02
Miami Dade Product Control Division
By

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

MAY 06 2004

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE\W03-46RC

FX-345 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	04.23.04		REV. PER BCCO COMMENTS

date: 06-21-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-46

sheet 10 of 10