



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.buldingcodeonline.com](http://www.buldingcodeonline.com)

**R.C. Aluminum Industries, Inc.**  
 2805 NW 75<sup>th</sup> 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 PH3050 Aluminum Window Wall System – N.I.**

**APPROVAL DOCUMENT:** Drawing No. **W07-63**, titled "PH3050 Alum. Window Wall System (N.I.)", sheets 1 through 6 of 6, dated 08/10/07, prepared by Al-Farooq Corporation, 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: None**

**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 page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No. 07-1212-07**  
**Expiration Date: February 7, 2013**  
**Approval Date: February 7, 2008**  
 Page 1

**R.C. Aluminum Industries, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **W07-63**, Sheets 1 through 6 of 6, titled "PH3050 Alum. Window Wall System (N.I.)", dated 08/10/07, prepared by Al-Farooq Corporation, 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  
along with marked-up drawings and installation diagram of a series PH3050 aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5043**, dated 02/02/07, signed and sealed by Carlos S. Rionda, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 09/28/07, signed and sealed by Humayoun Farooq, P.E.  
**Complies with ASTM E1300-02**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

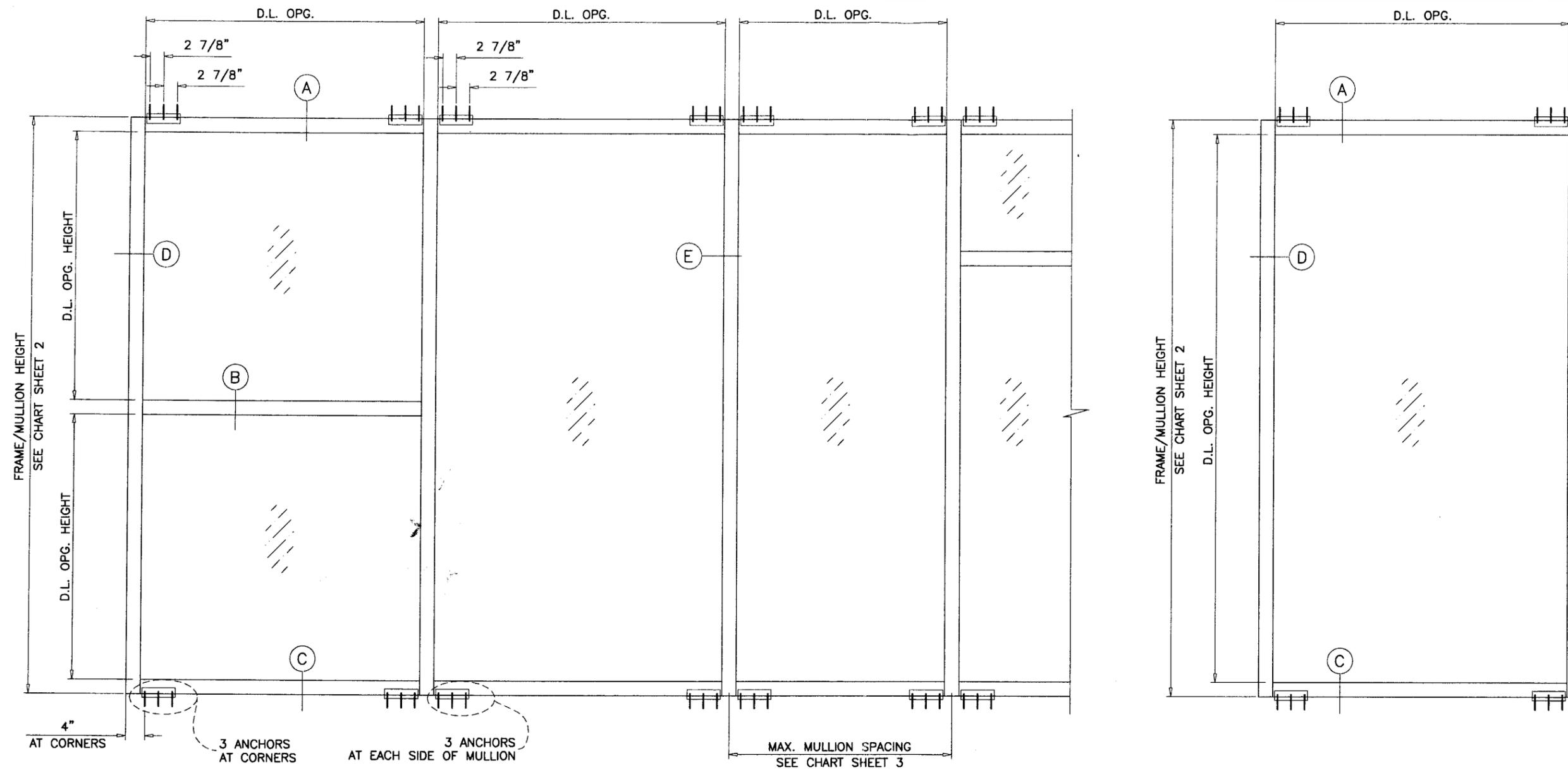
**F. STATEMENTS**

1. Statement letter of conformance, dated September 28, 2007, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated September 28, 2007, signed and sealed by Humayoun Farooq, P.E.
3. BCCO Test Proposal #**06-0204**, dated 06/23/05, signed by Manuel Perez, P.E.

**G. OTHER**

1. None.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 07-1212-07  
Expiration Date: February 7, 2013  
Approval Date: February 7, 2008



TYPICAL ELEVATIONS

**PH3050 ALUMINUM WINDOW WALL SYSTEM**

THIS SYSTEM IS NOT RATED FOR IMPACT.  
 MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS  
 ARE REQUIRED.

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

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

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

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

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF  
 ANCHORS INTO WOOD ONLY.

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

**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** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 2 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 3** USING CHART ON SHEETS 3 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4** THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 SHALL APPLY TO ENTIRE SYSTEM.

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

**INSULATING GLASS  
 NON IMPACT**

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

Approved as complying with the  
 Florida Building Code  
 Date FEB. 7, 2008  
 NOA# 07-1212.07  
 Miami Dade Product Control  
 Division  
 By Manuel Perez

OCT 25 2007

**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 STORE\W07-63RC

PH3050 ALUM. WINDOW WALL SYSTEM (N.I.)  
**R.C. ALUMINUM INDUSTRIES INC.**  
 2805 N.W. 75 TH AVE.  
 MIAMI, FL. 33122  
 TEL. (305) 592-1515 FAX. (305) 592-2184

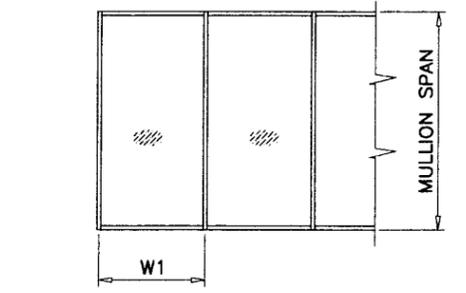
no	date	by	description

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 dr. by: HAMID  
 chk. by:

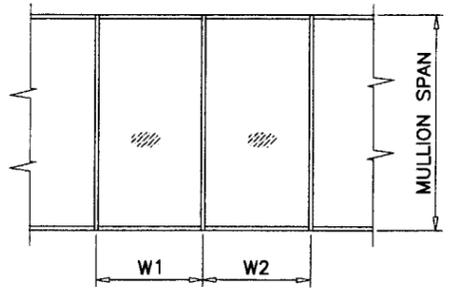
drawing no.  
**W07-63**

sheet 1 of 6

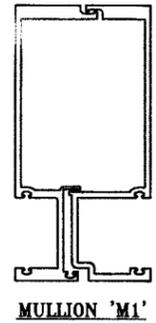
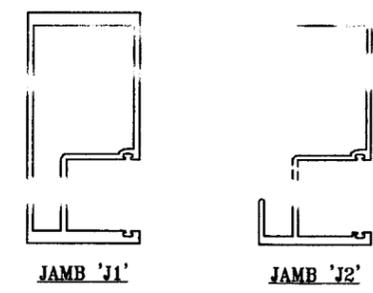
MULLION/JAMB DESIGN LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS						
NOMINAL DIMS.		JAMB 'J1' MULLION 'M1'		JAMB 'J2'		
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
36"	72"	180.0	180.0	180.0	180.0	
42"		180.0	180.0	180.0	180.0	
48"		180.0	180.0	180.0	180.0	
54"		180.0	180.0	168.5	168.5	
60"		180.0	180.0	160.0	160.0	
66"		180.0	180.0	145.5	145.5	
72"		180.0	180.0	133.3	133.3	
72"		78"	180.0	180.0	177.1	177.1
42"	180.0		180.0	156.1	156.1	
48"	180.0		180.0	141.2	141.2	
54"	180.0		180.0	130.6	130.6	
60"	180.0		180.0	123.1	123.1	
66"	180.0		180.0	118.1	118.1	
72"	180.0		180.0	115.2	115.2	
36"	84"		180.0	180.0	130.3	130.3
42"		180.0	180.0	114.4	114.4	
48"		180.0	180.0	102.9	102.9	
54"		180.0	180.0	94.6	94.6	
60"		172.4	172.4	88.5	88.5	
66"		166.0	166.0	84.1	84.1	
36"		90"	180.0	180.0	98.1	98.1
42"			180.0	180.0	85.8	85.8
48"	176.4		176.4	76.9	76.9	
54"	164.2		164.2	70.3	70.3	
60"	155.2		155.2	65.4	65.4	
36"	96"	180.0	180.0	75.3	75.3	
42"		177.4	177.4	65.7	65.7	
48"		161.7	161.7	58.7	58.7	
54"		149.9	149.9	53.4	53.4	
60"		141.1	141.1	49.5	49.5	
36"	102"	180.0	180.0	58.7	58.7	
42"		164.2	164.2	51.1	51.1	
48"		149.2	149.2	45.6	45.6	
54"		137.9	137.9	41.4	41.4	
36"	108"	172.4	172.4	46.5	46.5	
42"		152.9	152.9	40.4	40.4	
48"		138.6	138.6	35.9	35.9	
54"		127.7	127.7	-	-	
36"	114"	161.7	161.7	37.3	37.3	
42"		143.0	143.0	32.4	32.4	
48"		129.3	129.3	28.7	28.7	
36"	120"	152.1	152.1	30.3	30.3	
42"		134.4	134.4	26.3	26.3	
48"		121.2	121.2	23.3	23.3	
36"	126"	117.5	117.5	20.6	20.6	
42"		101.8	101.8	17.8	17.8	
36"	132"	102.5	102.5	17.2	17.2	
42"		90.0	90.0	14.5	14.5	



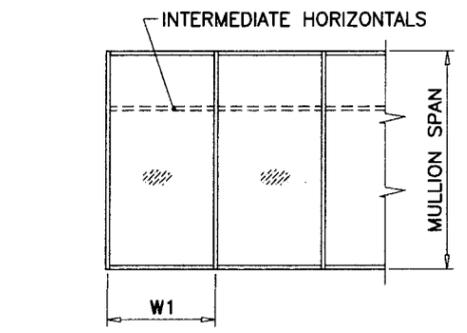
WIDTH (W) = W1  
AT FRAME JAMB



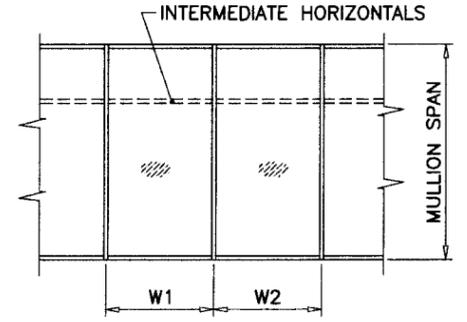
WIDTH (W) =  $\frac{W1 + W2}{2}$   
AT FRAME MULLION



MULLION/JAMB DESIGN LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS						
NOMINAL DIMS.		JAMB 'J1' MULLION 'M1'		JAMB 'J2'		
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
36"	72"	180.0	180.0	180.0	180.0	
42"		180.0	180.0	180.0	180.0	
48"		180.0	180.0	180.0	180.0	
54"		180.0	180.0	165.2	165.2	
60"		162.2	162.2	148.7	148.7	
66"		147.5	147.5	135.2	135.2	
72"		135.2	135.2	123.9	123.9	
36"		78"	180.0	180.0	180.0	180.0
42"	180.0		180.0	173.3	173.3	
48"	180.0		180.0	151.6	151.6	
54"	166.4		166.4	134.8	134.8	
60"	149.7		149.7	121.3	121.3	
66"	136.1		136.1	110.3	110.3	
72"	124.8		124.8	101.1	101.1	
36"	84"		180.0	180.0	166.5	166.5
42"		180.0	180.0	142.8	142.8	
48"		173.8	173.8	124.9	124.9	
54"		154.5	154.5	111.0	111.0	
60"		139.0	139.0	99.9	99.9	
66"		126.4	126.4	90.8	90.8	
36"		90"	180.0	180.0	138.3	138.3
42"			180.0	180.0	118.6	118.6
48"	162.2		162.2	103.7	103.7	
54"	144.2		144.2	92.2	92.2	
60"	129.8		129.8	83.0	83.0	
36"	96"	180.0	180.0	115.6	115.6	
42"		173.8	173.8	99.1	99.1	
48"		152.1	152.1	86.7	86.7	
54"		135.2	135.2	77.1	77.1	
60"		121.7	121.7	69.4	69.4	
36"	102"	180.0	180.0	96.4	96.4	
42"		163.6	163.6	82.6	82.6	
48"		143.1	143.1	72.3	72.3	
54"		127.2	127.2	64.3	64.3	
36"	108"	172.4	172.4	74.1	74.1	
42"		154.5	154.5	63.6	63.6	
48"		135.2	135.2	55.6	55.6	
54"		120.2	120.2	-	-	
36"	114"	146.4	146.4	49.7	49.7	
42"		128.1	128.1	43.5	43.5	
48"		115.6	115.6	38.0	38.0	
36"	120"	162.2	162.2	46.0	46.0	
42"		139.0	139.0	39.4	39.4	
48"		121.7	121.7	34.5	34.5	
36"	126"	140.1	140.1	36.9	36.9	
42"		120.1	120.1	31.7	31.7	
36"	132"	121.9	121.9	30.0	30.0	
42"		104.5	104.5	25.7	25.7	
36"	138"	106.7	106.7	24.7	24.7	
42"		91.4	91.4	-	-	
36"	144"	93.9	93.9	20.4	20.4	



WIDTH (W) = W1  
AT FRAME JAMB



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

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538  
OCT 25 2007

Approved as complying with the  
Florida Building Code  
Date FEB. 07, 2008  
NGA# 07-1212.07  
Miami Dade Product Control  
Division  
By *Youssef Berriz*

**afC**  
AL-FAROOQ CORPORATION  
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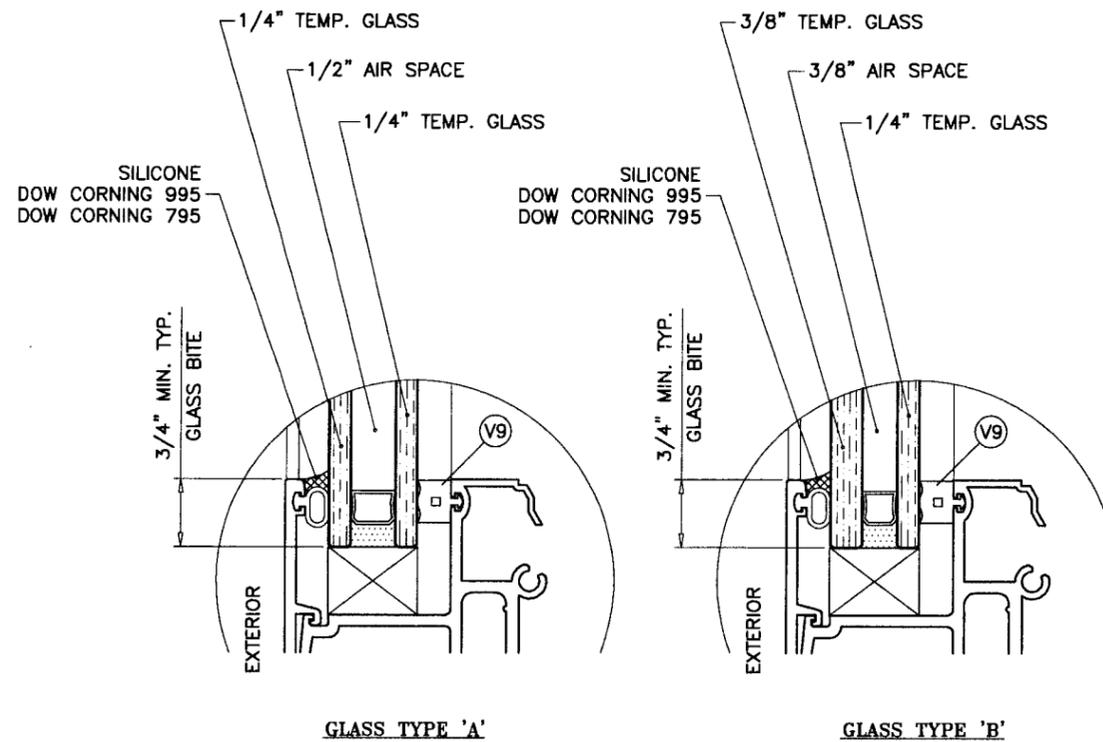
PH3050 ALUM. WINDOW WALL SYSTEM (N.I.)  
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revisions:	no	date	by	description

date: 08-10-07  
scale: -  
dr. by: HAMID  
chk. by:

drawing no.  
**W07-63**  
sheet 2 of 6

ANCHOR DESIGN LOAD CAPACITY - PSF				
NOMINAL DIMS.		ANCHORS TYPE 'A'		ANCHORS 'B'
		2" MIN. EDGE DIST.	3" MIN. EDGE DIST.	3/4" MIN. EDGE DIST.
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36"	72"	177.8	180.0	180.0
42"		152.4	180.0	180.0
48"		133.3	180.0	180.0
54"		118.5	180.0	175.6
60"		106.7	165.9	158.0
66"		97.0	150.8	143.6
72"		88.9	138.2	131.7
36"	78"	164.1	180.0	180.0
42"		140.7	180.0	180.0
48"		123.1	180.0	180.0
54"		109.4	170.1	162.1
60"		98.5	153.1	145.8
66"		89.5	139.2	132.6
72"		82.1	127.6	121.5
36"	84"	152.4	180.0	180.0
42"		130.6	180.0	180.0
48"		114.3	177.7	169.3
54"		101.6	158.0	150.5
60"		91.4	142.2	135.4
66"		83.1	129.2	123.1
36"		90"	142.2	180.0
42"	121.9		180.0	180.0
48"	106.7		165.9	158.0
54"	94.8		147.4	140.4
60"	85.3		132.7	126.4
36"	96"	133.3	180.0	180.0
42"		114.3	177.7	169.3
48"		100.0	155.5	148.1
54"		88.9	138.2	131.7
60"		80.0	124.4	118.5
36"	102"	125.5	180.0	180.0
42"		107.6	167.3	159.3
48"		94.1	146.4	139.4
54"		83.7	130.1	123.9
36"		108"	118.5	180.0
42"	101.6		158.0	150.5
48"	88.9		138.2	131.7
36"	114"	112.3	174.6	166.3
42"		96.2	149.7	142.6
48"		84.2	130.9	124.7
36"	120"	106.7	165.9	158.0
42"		91.4	142.2	135.4
48"		80.0	124.4	118.5
36"	126"	101.6	158.0	150.5
42"		87.1	135.4	129.0
36"	132"	97.0	150.8	143.6
42"		83.1	129.2	123.1
36"	138"	92.8	144.2	137.4
42"	144"	88.9	138.2	131.7



**GLAZING OPTIONS**  
1" OVERALL INSUL. GLASS

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

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

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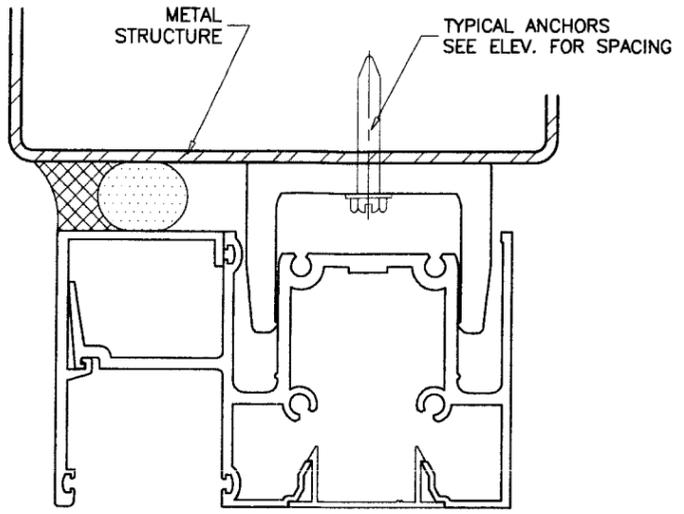
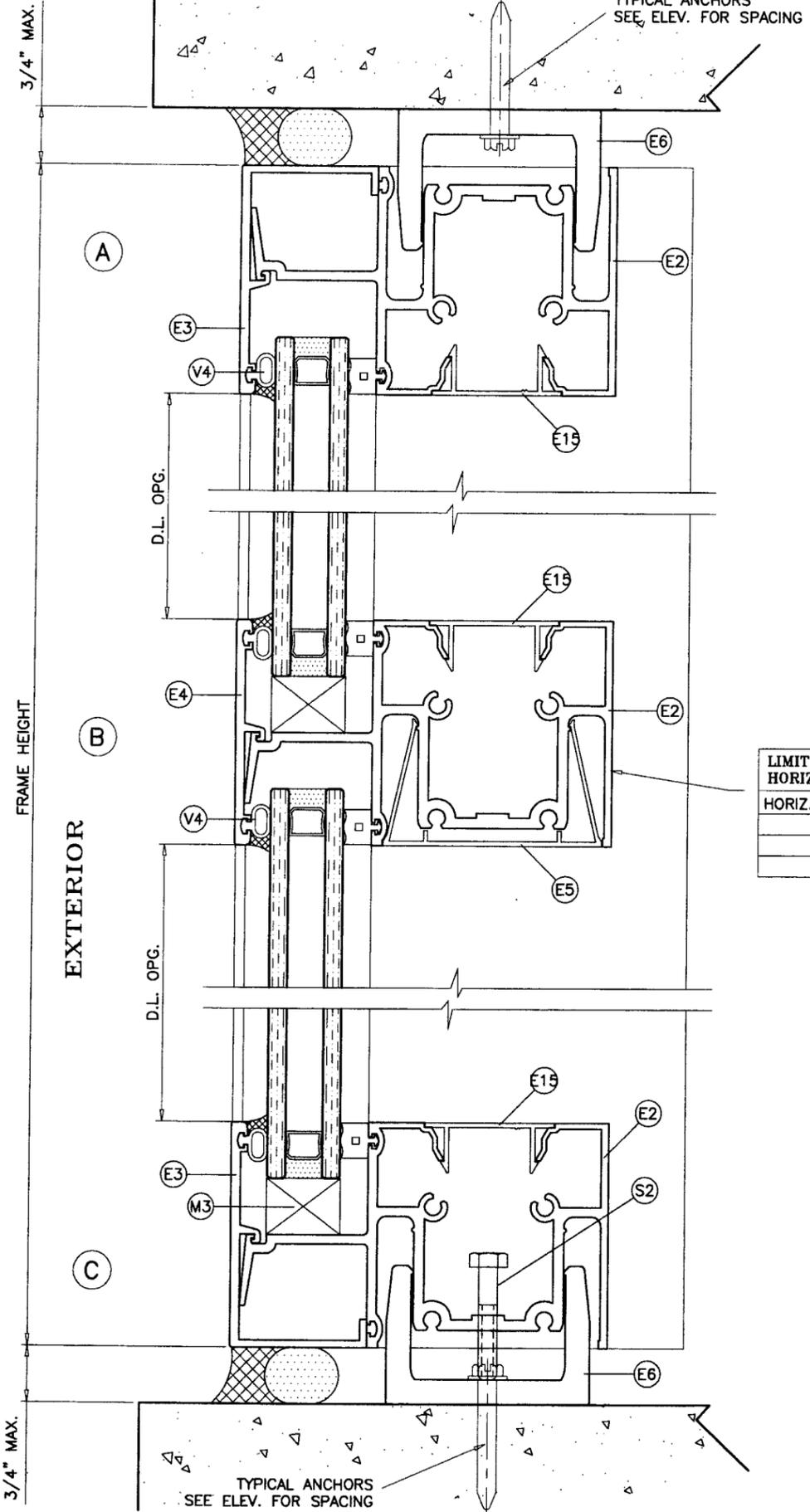
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revisions:	no	date	by	description

date: 08-10-07  
scale: -  
dr. by: HAMID  
chk. by:

drawing no.  
**W07-63**  
sheet 3 of 6



LIMIT MAX. DESIGN LOADS FOR HORIZONTAL AS FOLLOWS

HORIZ. SPAN MAX.	LAM. GLASS
66"	120 PSF
60"	143 PSF
54"	180 PSF

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

- TYPE 'A'- 1/4" HILTI KWIK-CON II  
DIRECTLY INTO CONCRETE (3000 PSI MIN)  
1-1/4" MIN. EMBED INTO CONCRETE
- TYPE 'B'- 1/4-20 KWIK-FLEX SELF DRILLING SCREWS  
INTO METAL STRUCTURES  
STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)  
ALUMINUM : 1/8" THK. MIN. (6063-T6 MIN.)  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES  
INTO CONCRETE = 2" OR 3" MIN. (SEE CHART ON SHEET 3)  
INTO METAL STRUCTURE = 3/4" MIN.

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

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

Approved as complying with the  
Florida Building Code  
Date FEB 7 2008  
NOA# 07-1212-07  
Minimal Data Product Control  
By Manuel Diaz

OCT 25 2007

**af c**  
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revisions:

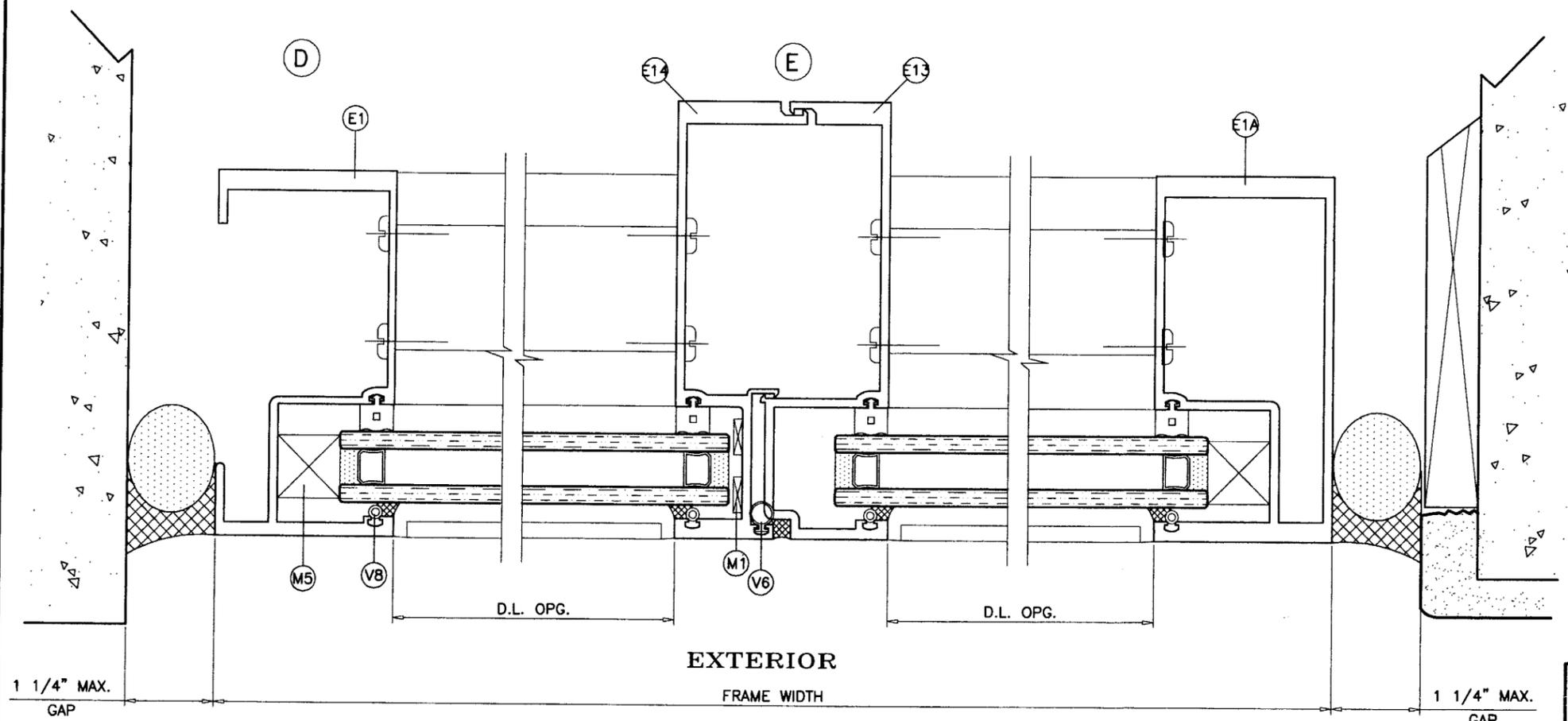
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scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W07-63**

sheet 4 of 6

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	PH3050-003	AS REQD.	OPEN BACK FRAME JAMB	6063-T6	-
E1A	PH3050-017	AS REQD.	CLOSED FRAME JAMB	6063-T6	-
E2	PH3050-004	AS REQD.	HEAD, SILL & INTERMEDIATE HORIZONTAL	6063-T6	-
E3	PH3050-005	AS REQD.	GLAZING RETAINER HEAD & SILL	6063-T6	-
E4	PH3050-006	AS REQD.	GLAZING RETAINER INTERMEDIATE	6063-T6	-
E5	PH3050-007	AS REQD.	INTERIOR HORIZONTAL COVER	6063-T6	-
E6	PH3050-008	AS REQD.	ANCHOR CHANNEL HEAD & SILL	6005-T5	7-3/4" LONG
E13	PH3050-015	AS REQD.	MALE MULLION	6005-T5	-
E14	PH3050-016	AS REQD.	FEMALE MULLION	6005-T5	-
E15	FX345-007	-	INTERIOR COVER	6063-T6	-
-	-	-	-	-	-
V4	V-032	AS REQD.	GLAZING GASKET	VINYL	AT HEAD/SILL/HORIZONTAL
V6	V-047	AS REQD.	MULLION GASKET	VINYL	-
V8	-	AS REQD.	Ø 0.187 SPLINE	-	AT JAMB/MULLION
V9	-	AS REQD.	MARINE GASKET	-	-
-	-	-	-	-	-
S1	#14 X 1-1/4"	4/ CORNER	ASSEMBLY SCREWS	ST/ST	PH. PHL. SMS POINT "B"
S2	1/4-20 X 1-1/2"	AS REQD.	LEVELING SCREWS	-	HEX HEAD FULL THREAD
-	-	-	-	-	-
M1	-	2/ LITE	1/8" X 1/2" X 4" LG. SETTING BLOCK	NEOPRENE	AT 6" FROM EACH END
M3	-	2/ LITE	3/4" X 3/4" X 4" LG SETTING BLOCK	NEOPRENE	AT 6" FROM EACH END
M5	-	2/ LITE	7/8" X 7/8" X 4" LG SETTING BLOCK	NEOPRENE	AT 6" FROM EACH END



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

OCT 25 2007

Approved as complying with the  
Florida Building Code  
Date: FEB. 7, 2008  
Scale: 1/2" = 1"  
By: *Wahid Perez*

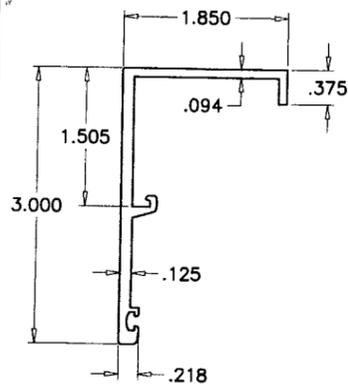
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
STORE W07-63RC

PH3050 ALUM. WINDOW WALL SYSTEM (N.I.)  
**R.C. ALUMINUM INDUSTRIES INC.**  
2805 N.W. 75 TH AVE.  
MIAMI, FL. 33122  
TEL. (305) 592-1515 FAX. (305) 592-2184

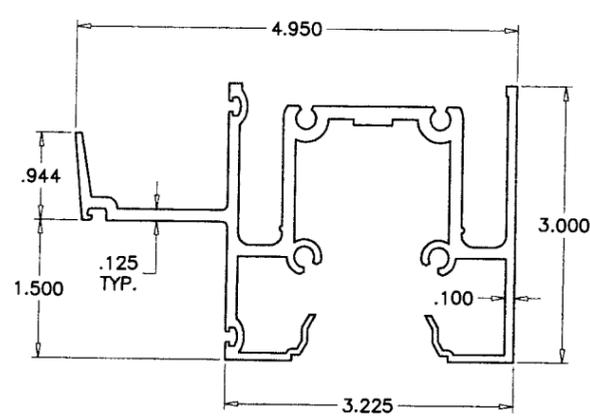
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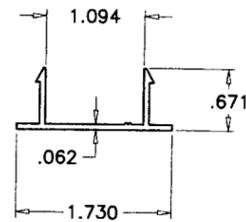
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sheet 5 of 6



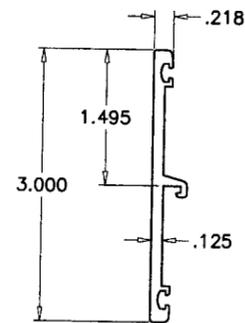
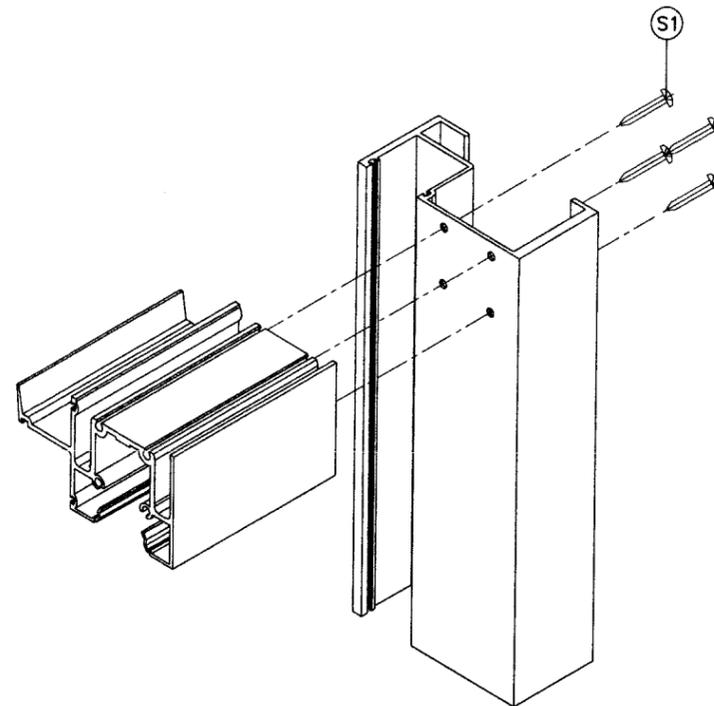
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GLAZING RETAINER HEAD/SILL



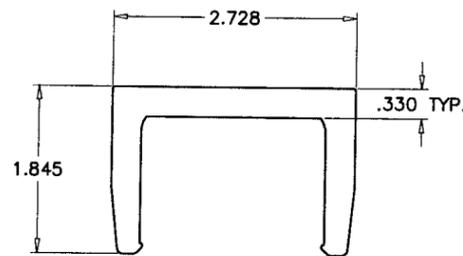
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FRAME HEAD/SILL/HORIZONTAL



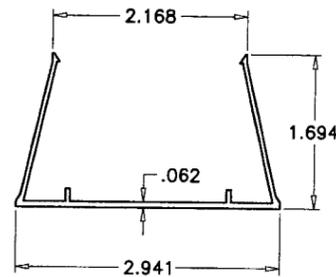
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COVER HEAD/SILL/HORIZONTAL



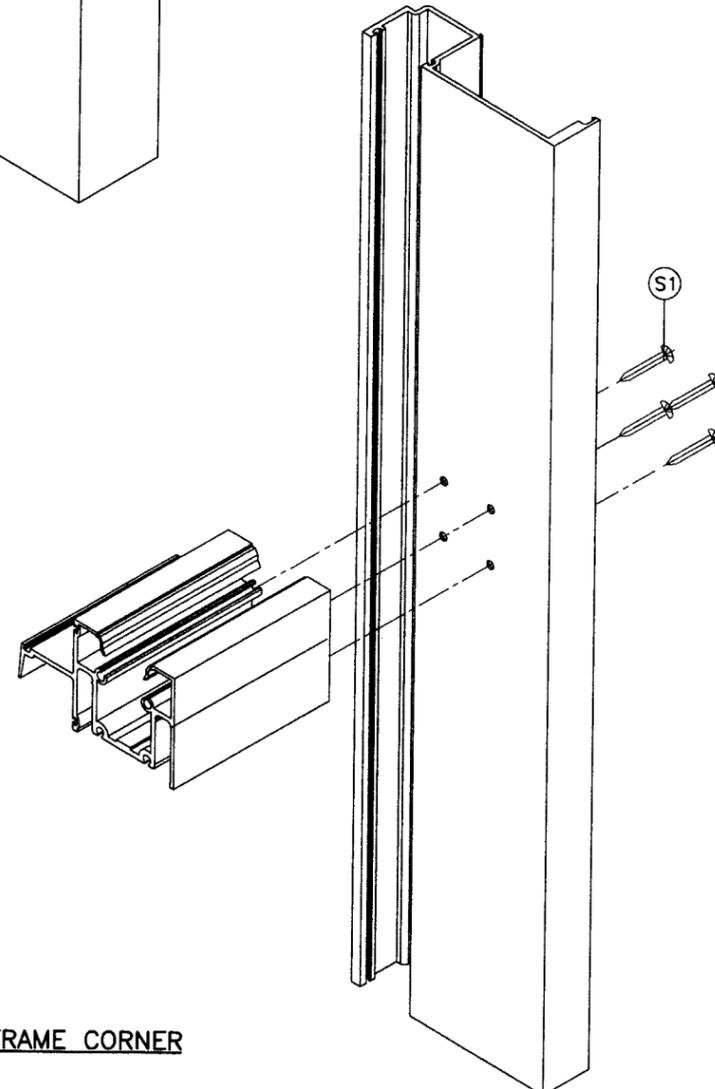
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GLAZING RETAINER HORIZONTAL



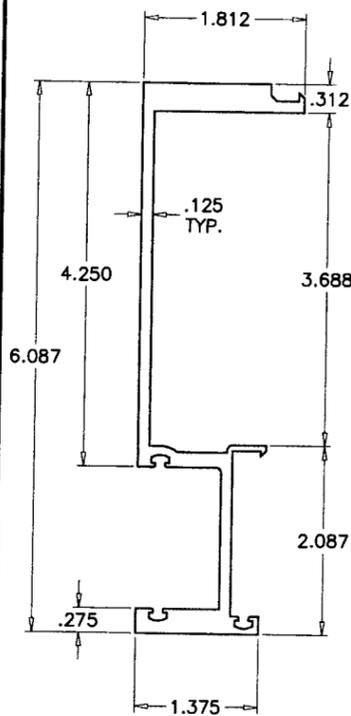
E6  
ANCHOR



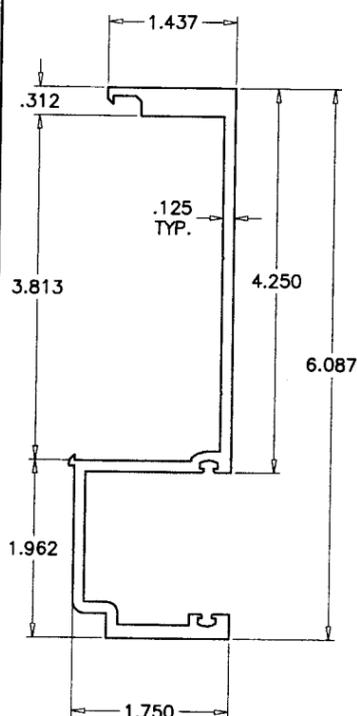
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INTERIOR COVER HORIZONTAL



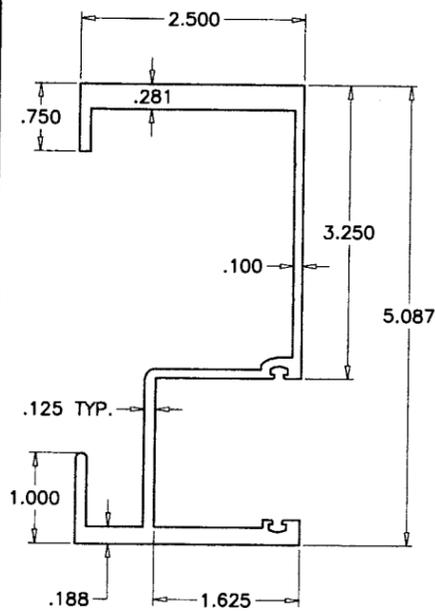
FRAME CORNER



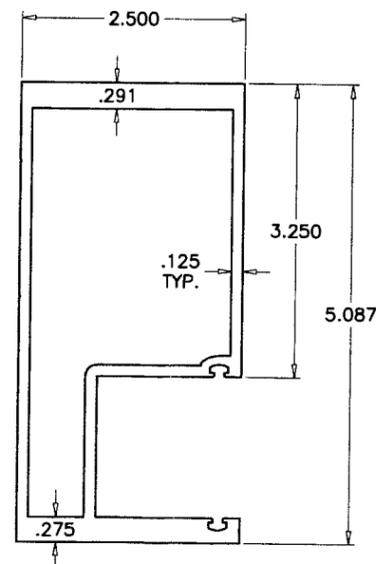
E14  
MALE MULLION



E13  
FEMALE MULLION



E1  
OPEN BACK FRAME JAMB



E1A  
CLOSED FRAME JAMB

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

OCT 25 2007

**afc**  
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