



**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 NW 75 Ave.
Miami, FL 33122**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Aluminum Round Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **W04-29**, titled "Aluminum Round Fixed Window (L.M.I.)", sheets 1 through 2 of 2, prepared by AL-Farooq Corporation, dated 04/05/04, 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: 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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E.**

Handwritten: Jey
7/2/04



**NOA No 04-0604.01
Expiration Date: July 29, 2009
Approval Date: July 29, 2004
Page 1**

R.C. Aluminum Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- Manufacturer's die drawings and sections.
2. Drawing No. **W04-29**, titled "Aluminum Round Fixed Window (L.M.I.)", sheets 1 through 2 of 2, dated 04/05/04, 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
 - 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 202-94along with marked- up drawings and installation diagram of a aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4078**, dated 01/30/04, signed and sealed by Edmundo J. Largaespada, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by AL-Farooq Corporation, dated 05/10/04 signed and sealed by Humayoun Farooq, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

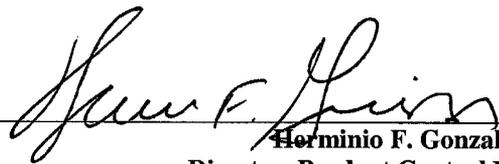
1. Notice of Acceptance No. **01-1204.01** issued to E.I. Dupont DeNemours for "Sentry Glass @ Plus" dated on 01/14/99, expiring on 01/14/07.

F. STATEMENTS

1. Statement letter of conformance, dated May 10, 2004, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated May 10, 2004, signed and sealed by Humayoun Farooq, P.E.

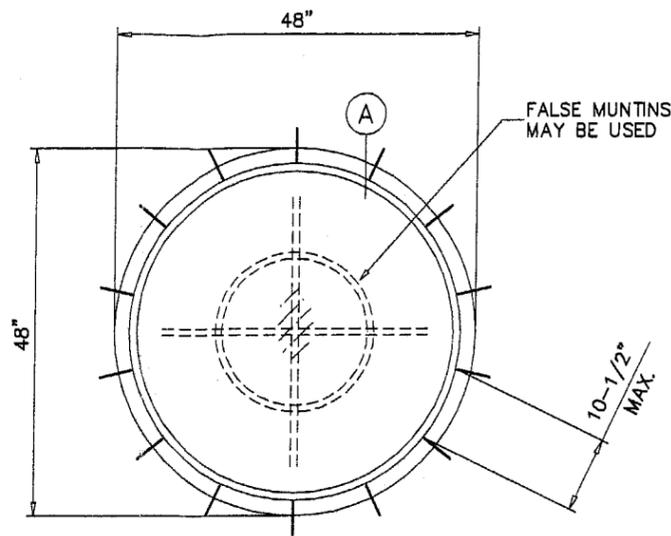
G. OTHER

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

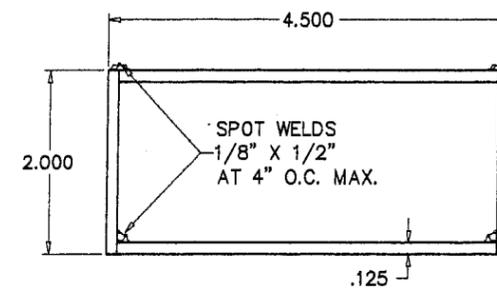


Herminio F. Gonzalez, P.E.
Director, Product Control Division
NOA No 04-0604.01
Expiration Date: July 29, 2009
Approval Date: July 29, 2004

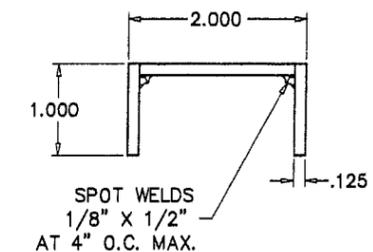
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		1/2" LAM. H.S. GLASS	
WIDTH	LENGTH	EXT. (+)	INT. (-)
24"	24"	100.0	100.0
30"		100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
54"		100.0	100.0
60"		100.0	100.0
66"		100.0	100.0
72"	100.0	100.0	
24"	30"	100.0	100.0
30"		100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
54"		100.0	100.0
60"		100.0	100.0
66"		100.0	100.0
24"	36"	100.0	100.0
30"		100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
24"	42"	100.0	100.0
30"		100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
48"		100.0	100.0
24"	48"	100.0	100.0
30"		100.0	100.0
36"		100.0	100.0
42"		100.0	100.0
48"		96.7	96.7



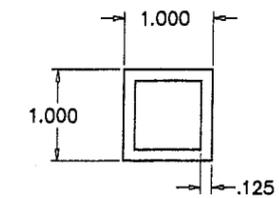
TYPICAL ELEVATION
TESTED UNIT



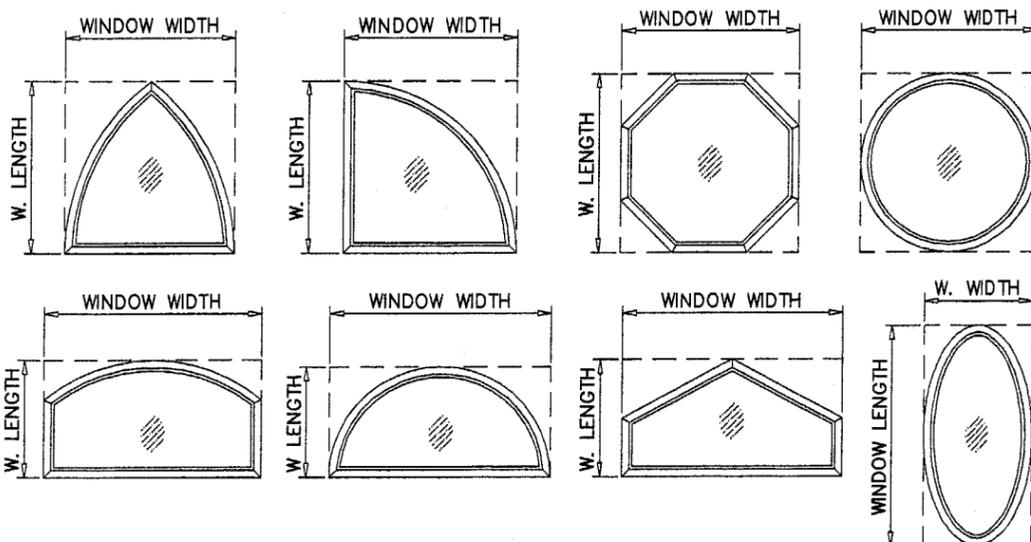
WINDOW FRAME



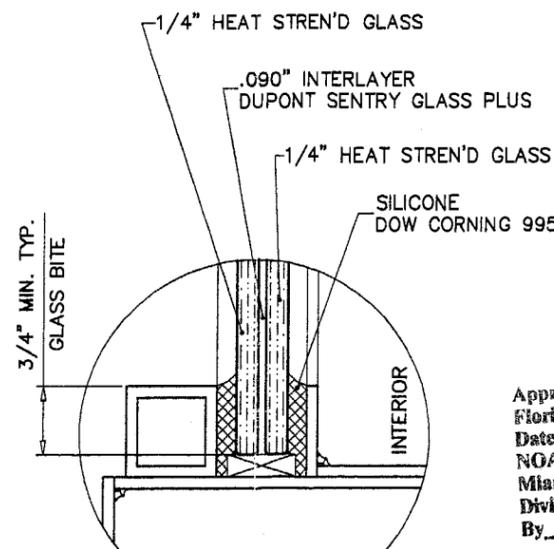
INTERIOR GLASS STOP



EXTERIOR GLASS STOP



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.



GLAZING DETAIL

THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

ALUMINUM ROUND FIXED WINDOW (L.M.I.)

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.

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

Approved as complying with the
Florida Building Code
Date 03/29/04
NOA# 04-0604-01
Miami Dade Product Control
Division
By [Signature]

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

[Signature]
MAY 27 2004

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W04-29RC

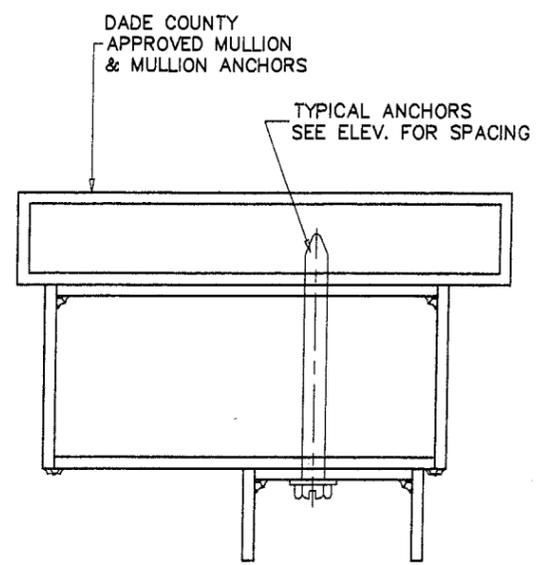
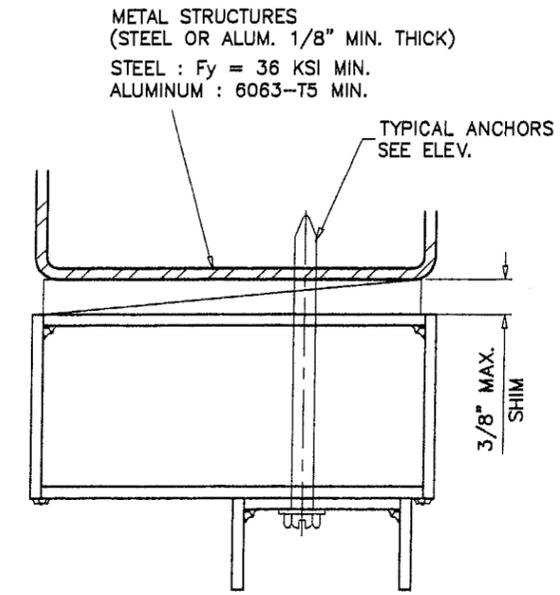
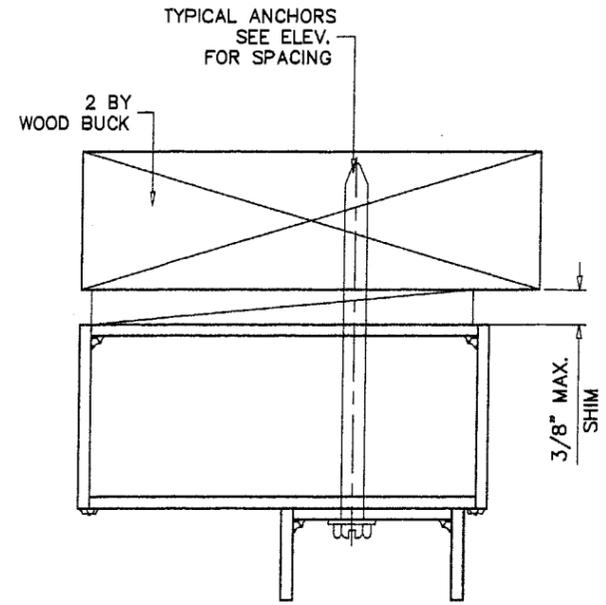
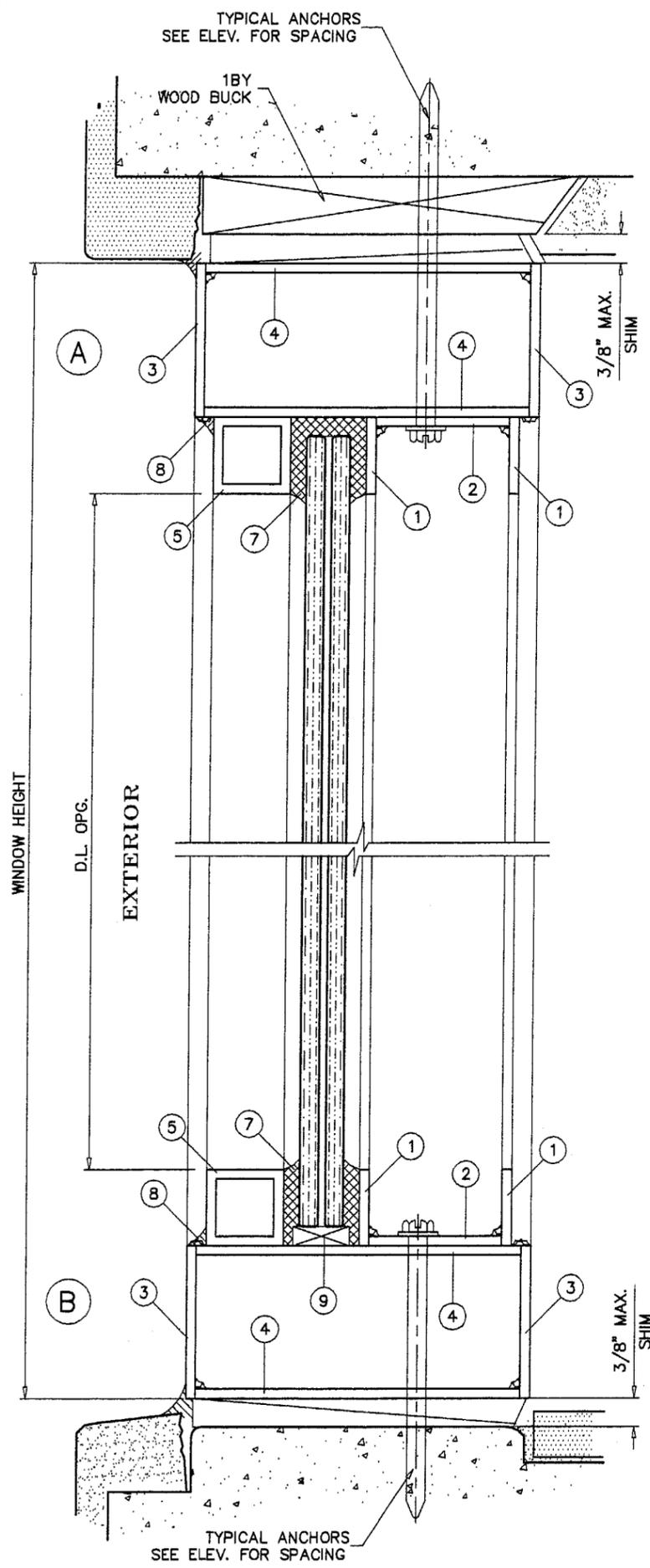
ALUMINUM ROUND FIXED WINDOW (L.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	description

date: 04-05-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-29

sheet 1 of 2



WOOD BUCKS NOT BY RC ALUMINUM, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA TAPCONS
 INTO WOOD STRUCTURES
 WITH 1-1/2" MIN. PENETRATION INTO WOOD
 THRU WOOD BUCKS INTO MASONRY
 WITH 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

1/4" DIA TAPCONS
 DIRECTLY INTO MASONRY
 WITH 1-1/4" MIN. EMBED INTO MASONRY

1/4-20 KWIK-FLEX SELF DRILLING SCREWS BY 'HILTI'
 INTO METAL STRUCTURES
 (STEEL OR ALUMINUM 1/8" THICK.)

STEEL : Fy = 36 KSI MIN.
 ALUMINUM : 6063-T5 MIN.

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

SEALANT:
 ALL FRAME AND VENT CORNERS AND INSTALLATION SCREWS SEALED WITH SILICONE.

Approved as complying with the
 Florida Building Code
 Date 07/29/04
 NOA# 04-0602.01
 Miami Dade Product Control
 By *[Signature]*

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	2	ALUMINUM FLAT BAR	6063-T6	1" X 1/8" THK.
2	-	1	ALUMINUM FLAT BAR	6063-T6	1-3/4" X 1/8" THK.
3	-	2	ALUMINUM FLAT BAR	6063-T6	2" X 1/8" THK.
4	-	2	ALUMINUM FLAT BAR	6063-T6	4-1/4" X 1/8" THK.
5	-	1	ALUMINUM TUBE	6063-T6	1 X 1 X 1/8" THK.
6	-	-	-	-	-
7	995	AS REQD.	GLAZING COMPOUND	SILICONE	DOW CORNING
8	795	AS REQD.	PERIMETER SEALANT	SILICONE	DOW CORNING
9	-	AS REQD.	SETTING BLOCK	NEOPRENE	3/4" X 1/4" X 4" LG.

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 MAY 27 2004

afc

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
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 COMP-ANL\W04-29RC

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revisions:	no	date	by	description

date: 04-05-04
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W04-29

sheet 2 of 2