



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

R.C. Aluminum Industries, Inc.
2805 N.W. 75 Avenue
Miami ,FL 33122

Your application for Notice of Acceptance (NOA) of:

Series 2000 ST Aluminum Sliding Glass Door-Impact

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 00-1130.02
EXPIRES: 05/17/2006

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 05/17/2001

R. C. Aluminum Industries Inc.

ACCEPTANCE No.: 00-1130.02

APPROVED : May 17, 2001

EXPIRES : May 17, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This approves an aluminum sliding glass door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1 The Series "2000ST" Aluminum Sliding Glass Door (OXXO) – Large Missile Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No WOO-44, titled "Series-2000ST ALUM SLD GLASS DOOR." Sheets 1 through 6 of 6 dated 09-14-00 and last revised on 04-09-2001, prepared by AL-Farooq Corporation, signed and sealed by Dr. 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 This approval applies to single unit applications only, as shown in approved drawings.
3.2 Head receptor is not allowed to be used in this installation.

4. INSTALLATION

- 4.1 The aluminum sliding glass door and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): The installation of this unit **will not require** a hurricane protection system.

5. LABELING

- 5.1 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".

6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Ishaq I. Chanda
Ishaq I. Chanda, P.E. Product Control Examiner
Product Control Division

R. C. Aluminum Industries Inc.

ACCEPTANCE No.: 00-1130.02

APPROVED : May 17, 2001

EXPIRES : May 17, 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

Ishaq I. Chanda

Ishaq I. Chanda , P. E. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

R. C. Aluminum Industries Inc.

ACCEPTANCE No.: 00-1130.02

APPROVED : May 17, 2001

EXPIRES : May 17, 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **WOO-44**, titled "Series-2000ST ALUM SLD GLASS DOOR." Sheets 1 through 6 of 6 dated 09-14-00 and last revised on 04-09-2001, prepared by AL-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P. E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by American Testing Laboratory of South Florida, Test Report No. **ATL 1214.01-99** dated 08-17-00, signed and sealed by Henry Hattem, P.E.

C. CALCULATIONS

1. Comparative analysis and structural analysis, prepared by Al-Farooq Corporation, dated 11-16-00 and revised on 04-05-01, signed and sealed by Dr. Humayoun Farooq, P.E.

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No.98-0608.03 issued to E.I. Dupont DeNemour. for "Sentry Glass Plus" laminated glass, expiring on 01/14/2002.

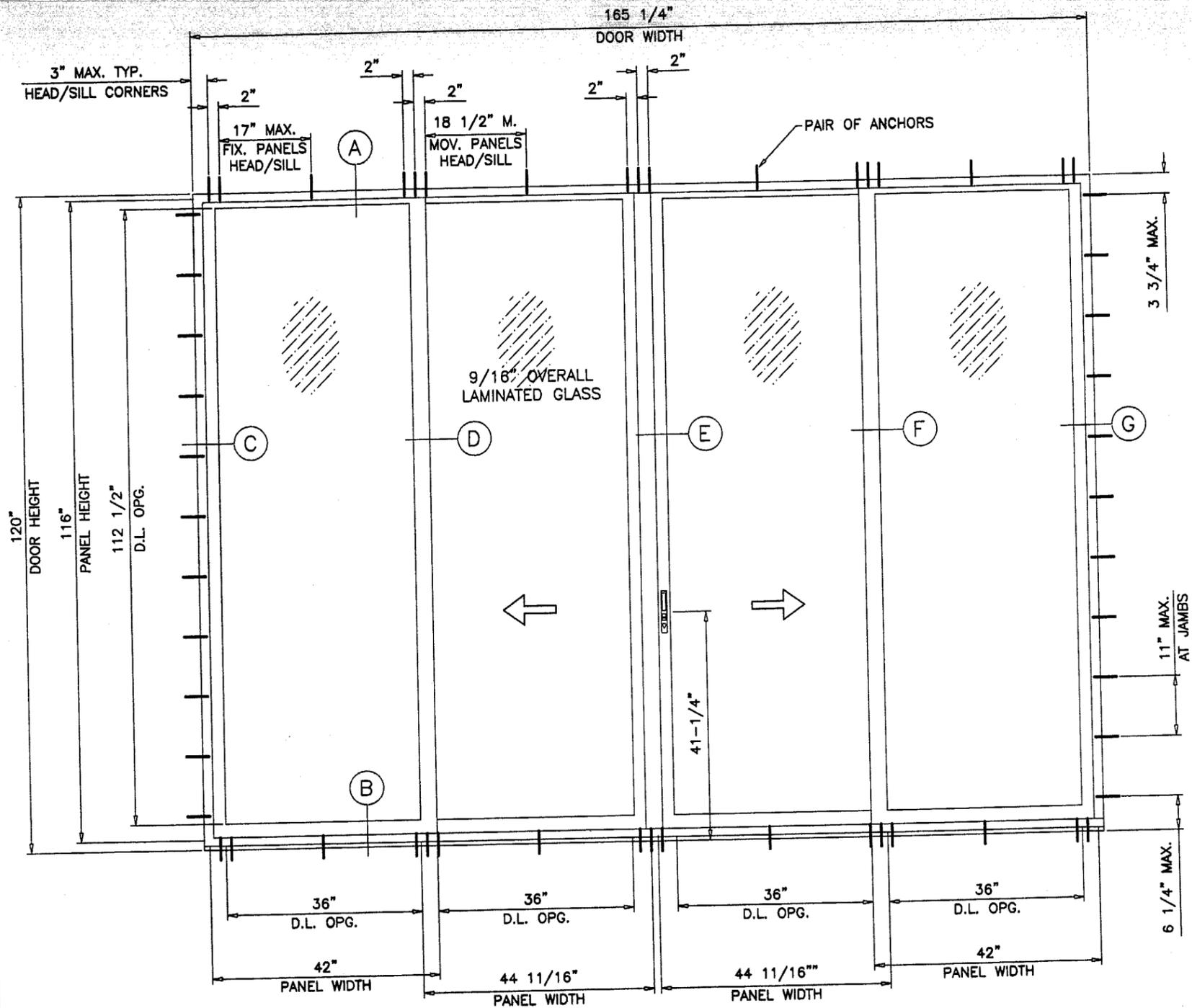
E. STATEMENTS

1. Statement letter of conformance, dated October 24, 2000, signed & sealed by Dr. Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated October 24, 2000 signed & sealed by Dr. Humayoun Farooq, P.E.
3. Statement letter of compliance dated 08-17-00 issued by American Testing Laboratory of South Florida, signed and sealed by Henry Hattem, P.E.
4. Addendum letter dated 10-11-00, issued by American Testing Laboratory of South Florida, Test Report No. **ATL 1214.01-99**, signed and sealed by Henry Hattem, P.E.

F. OTHER

1. Tensile test report dated 04-14-2001 conducted per ASTM E-8 for Kwik-Con anchor, issued by Hurricane Engineering & testing Inc., signed & sealed by Hector M. Medina, P.E.

Ishaq I. Chanda
Ishaq I. Chanda, P. E., Product Control Examiner
Product Control Division



TYPICAL ELEVATION
TESTED UNIT

NOTES

1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7-88 USING CORRESPONDING LOADS.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

THIS APPROVES DOORS WITH ANY NUMBER OF PANELS THAT CONTAIN THE STILE CONFIGURATIONS SHOWN IN SHEET 3, I.E. XX, OX, XO, OXXO ETC.

DOOR HEIGHT INCHES	AVERAGE PANEL WIDTH INCHES
80"	61-1/2"
96"	51-1/2"
108"	45-1/2"
120"	41-5/16"

$$\text{AVG. PANEL WIDTH} = \frac{\text{DOOR WIDTH}}{\text{NO. OF PANELS}}$$

MAXIMUM DESIGN LOAD RATING = + 90.0
(FOR ANY SIZE SHOWN IN CHART ABOVE) - 90.0 PSF

LARGE MISSILE IMPACT RESISTANT DOORS
SHUTTERS NOT REQUIRED.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE MAY 17, 2001
BY Isaac I. Chaudhry
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1130.02

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 18557

APR 10 2001

af

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL/WOO-44RC

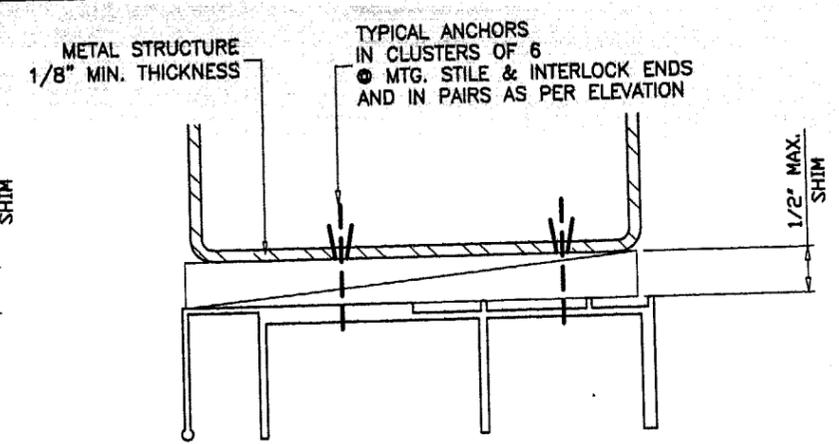
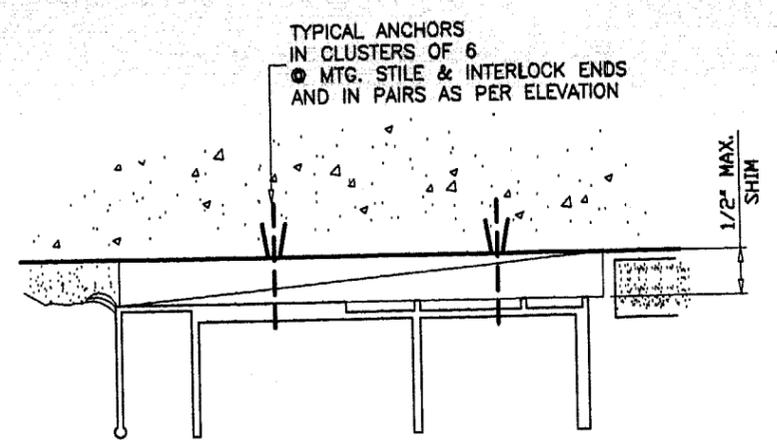
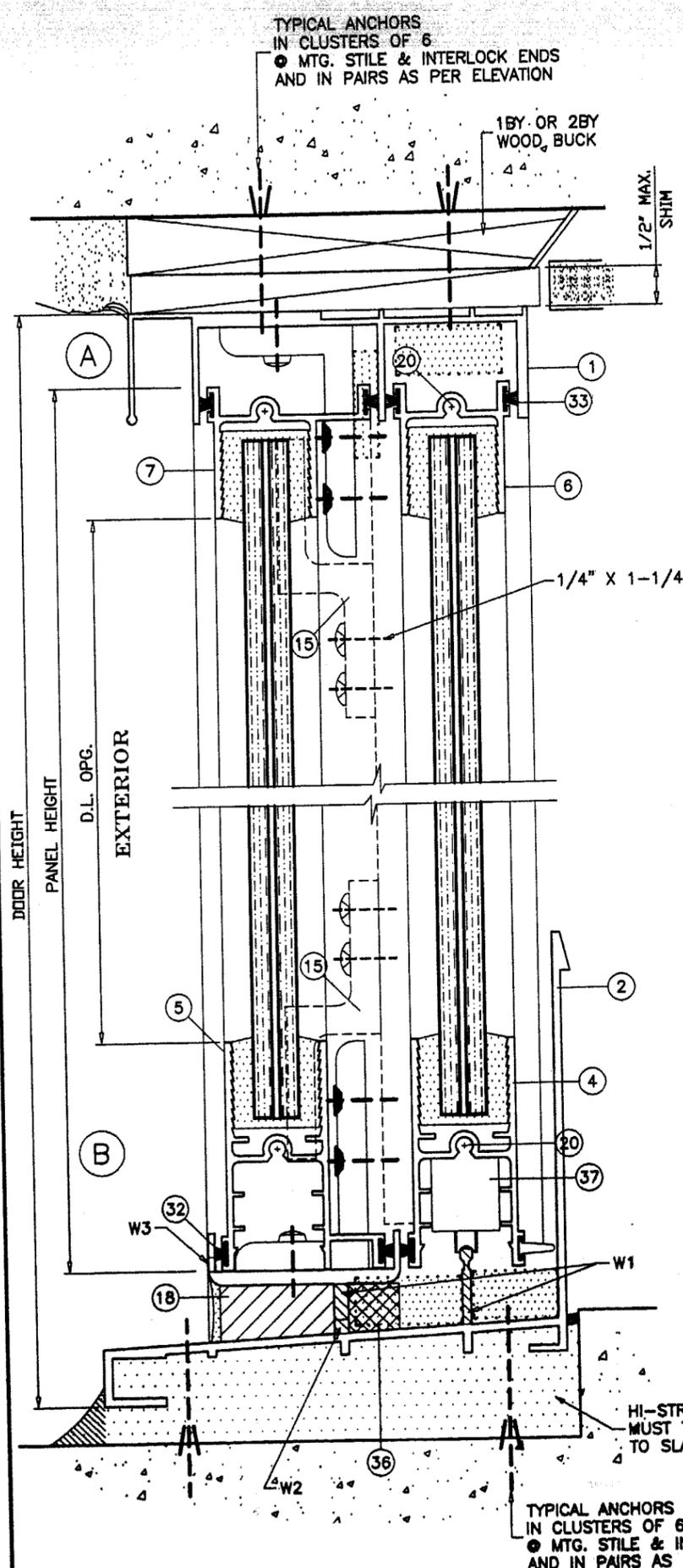
SERIES-2000ST ALUM SLD. GLASS DOOR
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL (305) 592-1515 FAX (305) 592-2184

NO	DATE	DESCRIPTION	REV. PER	COMMENTS
A	04.09.01			

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

drawing no.
WOO-44

sheet 1 of 6

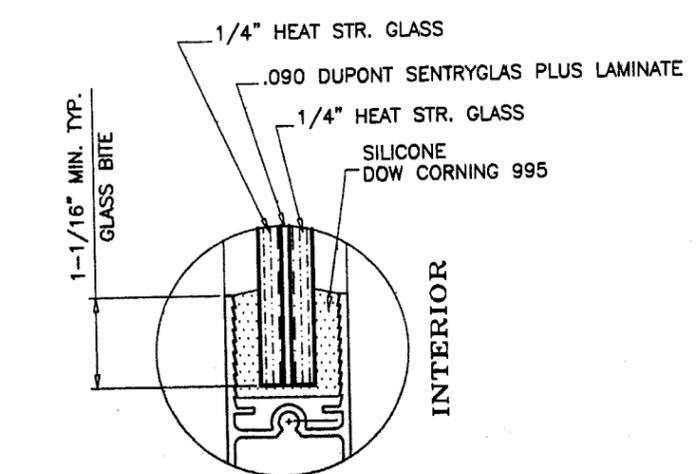


WOOD BUCKS AND METAL STRUCTURES NOT BY RC ALUMINUM MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" KWIK CON II
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY WOOD BUCKS INTO MASONRY
 1-1/4" MIN. EMBED INTO MASONRY
 DIRECTLY INTO MASONRY
 1-1/4" MIN. EMBED INTO MASONRY

1/4" TEKS OR SELF DRILLING SCREWS
 INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICKNESS)



9/16" OVERALL GLASS
 LARGE MISSILE IMPACT RESISTANT
 LAMINATED BY 'COASTGARD'
GLAZING DETAIL

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE MAY 17, 2001
 BY Ishag I. Chauda
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-1130.02

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557

[Signature]

APR 10 2001

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
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 TEL (305) 264-8100 FAX (305) 262-6978
 COMP-ANL W00-44RC

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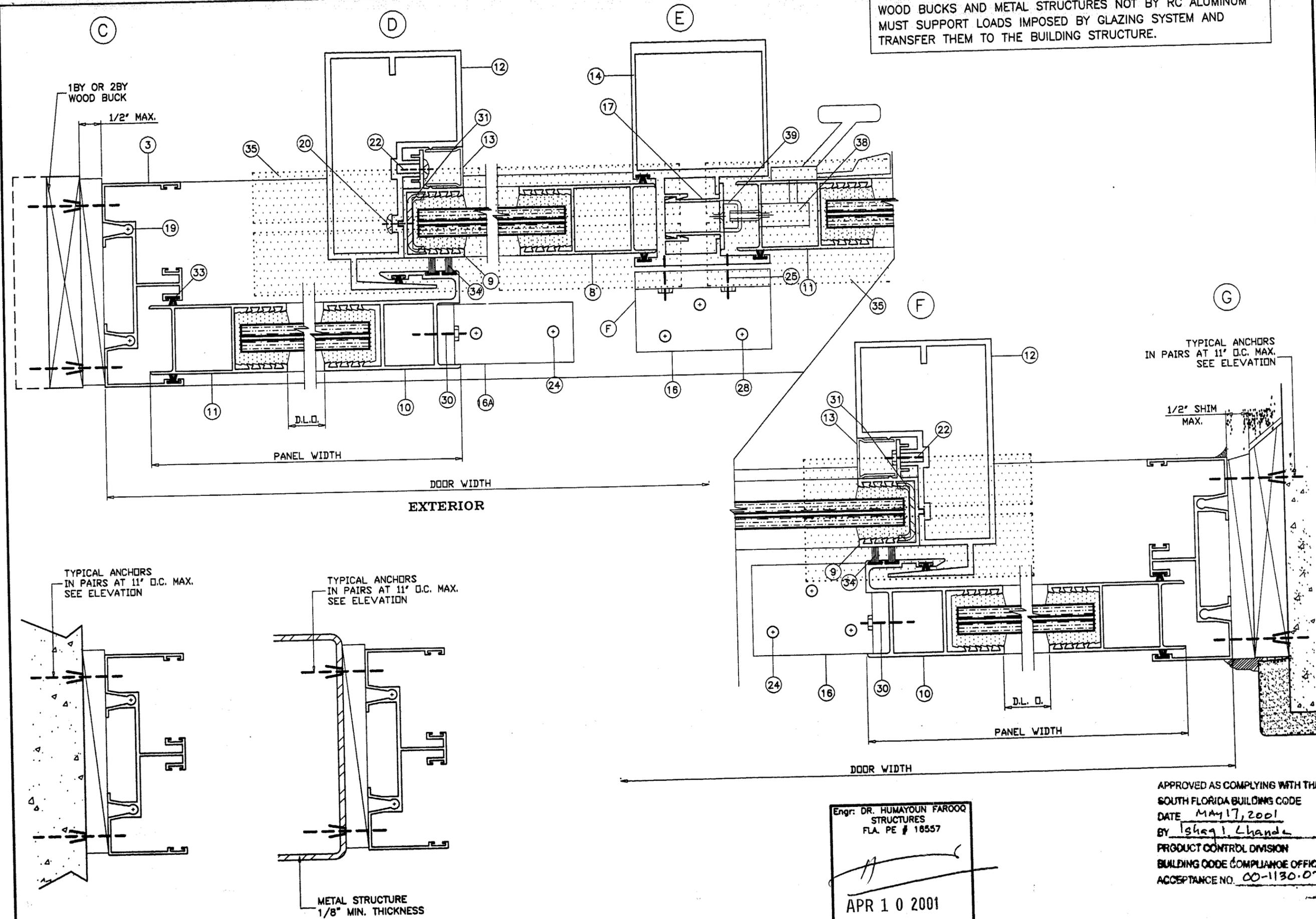
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 dr. by: HAMID
 chk. by:

drawing no.
W00-44

sheet 2 of 6

WOOD BUCKS AND METAL STRUCTURES NOT BY RC ALUMINUM MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



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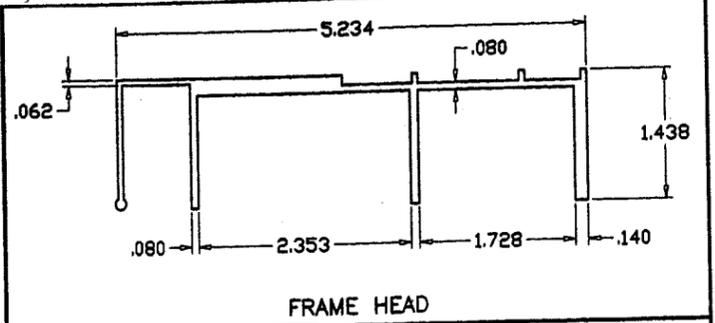
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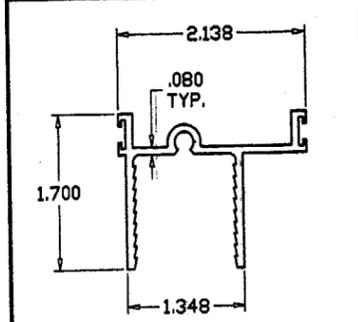
Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 18557
 APR 10 2001

APPROVED AS COMPLYING WITH THE
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 DATE MAY 17, 2001
 BY Ishaq I Chanda
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
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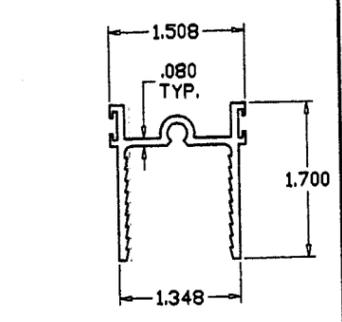
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 chd. by:
 drawing no.
W00-44
 sheet 3 of 6



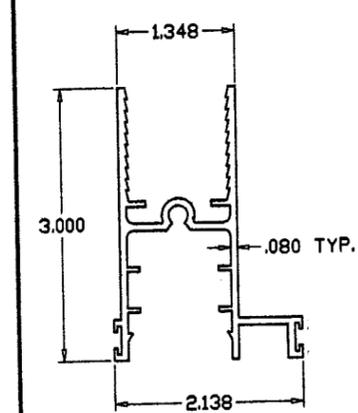
FRAME HEAD



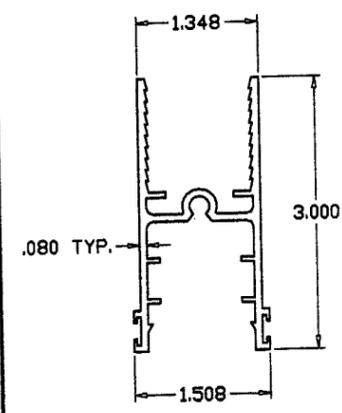
TOP FIXED RAIL



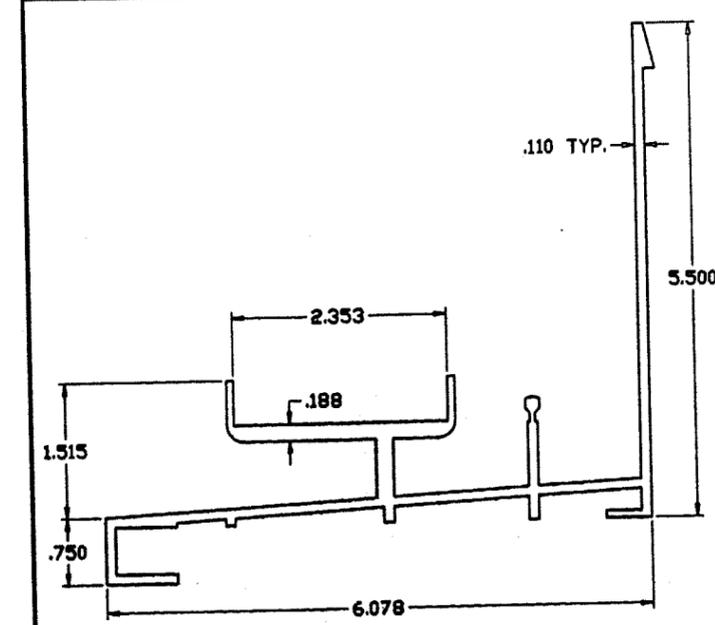
TOP MOVING RAIL



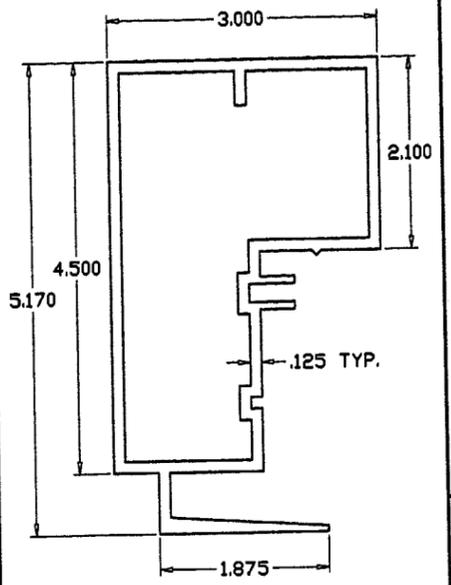
BOTTOM FIXED RAIL



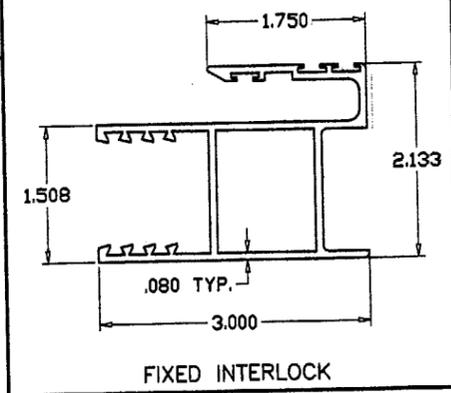
BOTTOM MOVING RAIL



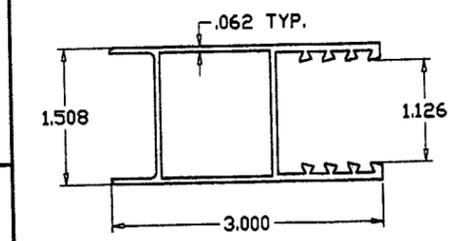
FRAME SILL



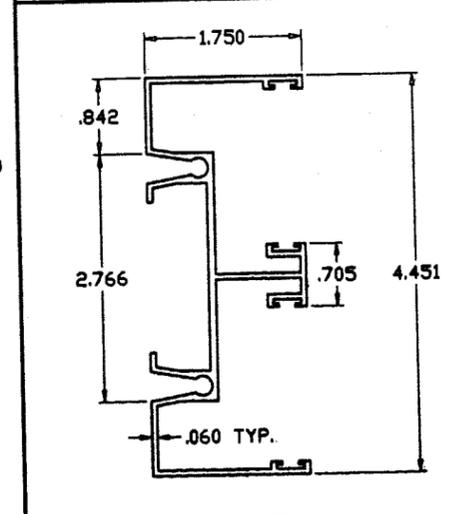
MOVING INTERLOCK



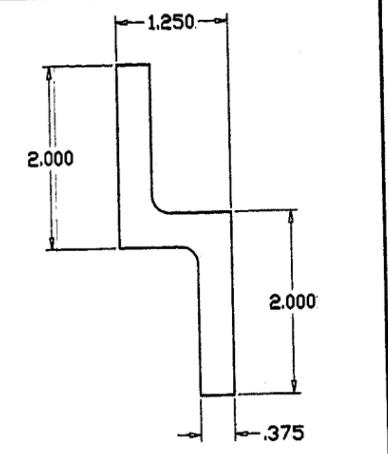
FIXED INTERLOCK



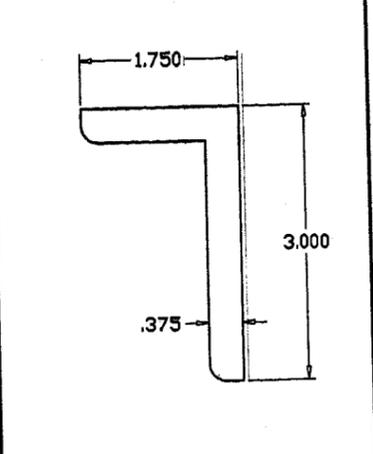
FIXED/LOCK STILE



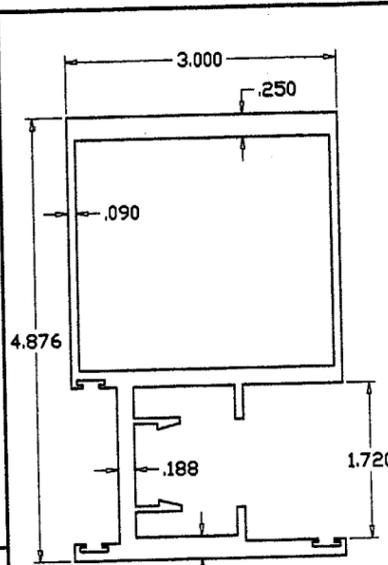
FRAME JAMB



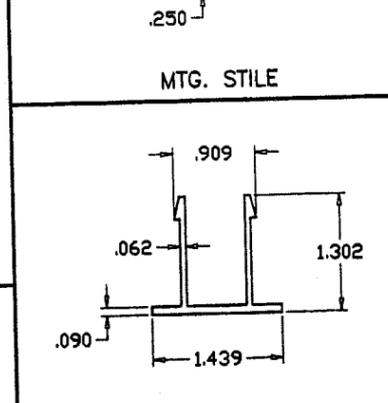
Z-TIE DOWN



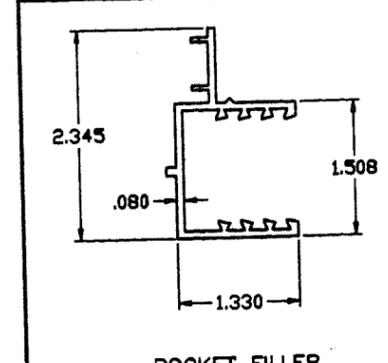
ANGLE-TIE DOWN



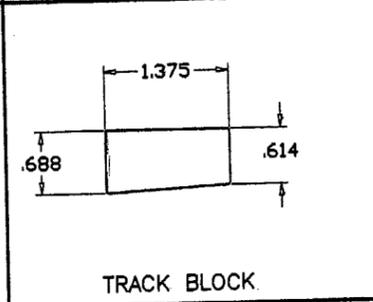
MTG. STILE



VERTICAL SNAP COVER



POCKET FILLER



TRACK BLOCK

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

APR 10 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE May 17, 2001
BY Ishaq I. Chaudh
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. DD-1130.02

afc

AL-FAROOQ CORPORATION
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COMP-ANL WOO-44RC

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TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	by description

date: 09-14-00
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
WOO-44
sheet 4 of 6

MATERIALS LIST

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	2000ST-021	1	HEAD	6063-T5	-
2	2000ST-031	1	SILL	6063-T6	-
3	2000ST-003	2	JAMB	6063-T5	-
4	2000ST-017	1/MOV. PANEL	MOVING HORIZ. BOTT. RAIL	6063-T5	-
5	2000ST-018	1/FIX. PANEL	FIXED HORIZ. BOTT. RAIL	6063-T5	-
6	2000ST-019	1/MOV. PANEL	TOP MOVING RAIL	6063-T5	-
7	2000ST-020	1/FIX. PANEL	TOP FIXED RAIL	6063-T5	-
8	2000ST-044	1/ PANEL	FIXED/LOCK STILE	6063-T6	-
9	2000ST-014	1/MOV. PANEL	GLAZING INSERT	6063-T5	-
10	2000ST-016	1/FIX. PANEL	FIXED INTERLOCK	6063-T5	-
11	2000ST-044	1/FIX. PANEL	FIXED STILE	6063-T6	-
12	2000ST-009	1/MOV. PANEL	MOVING INTERLOCK	6063-T5	-
13	245FX-011	1/MOV. PANEL	POCKET FILLER	6063-T5	-
14	2000ST-036	AS REQD.	MTG. STILE	6063-T6	-
15	2000ST-033	AS REQD.	Z-TIE DOWN	6063-T6	3" LONG
16	2000ST-034	AS REQD.	ANGLE TIE DOWN	6063-T6	3" LONG
16A	2000ST-034	AS REQD.	ANGLE TIE DOWN	6063-T6	1-5/16" LONG
17	2000ST-037	AS REQD.	SNAP COVER	6063-T6	-
18	2000ST-048	1/ STILES PAIR	TRACK BLOCK	6063-T6	6" LONG
19	-	2/ CORNER	#14 X 1-1/4" SMS	-	FRAME ASSBY.
20	-	4/ PANEL	#14 X 1-1/4" SMS	-	ASSBY. SCREWS
21	-	-	#14 X 1" TEKS	-	AT EA. END & 8-1/2" O.C.
22	-	-	#14 X 1-1/2" TEKS	-	AT EACH END & 12" O.C.
23	-	-	#14 X 1-1/4" SMS	-	ASTRAGAL ASSBY.
24	-	2/ ANGLE	1/4" X 1-1/4" TEKS	-	FIXING ANGLE @ HEAD & SILL
25	-	2/ ANGLE	1/4" X 1-1/4" TEKS	-	OXO ONLY HEAD & SILL
28	-	3/ ANGLE	1/4" X 1-1/4" TEKS	-	FIXING ANGLE @ HEAD & SILL
30	-	2/ ANGLE	1/4" X 1-1/4" TEKS	-	@ FIXING ANGLE
31	-	1/ MOV. INTLK.	FORMED CHANNEL	STEEL	12" LONG AT BOTTOM ONLY
32	2222	AS REQD.	FIN PILE W'STRIPPING	-	ULTRAFAB
33	3731	AS REQD.	FIN PILE W'STRIPPING	-	ULTRAFAB
34	3738	AS REQD.	FIN PILE W'STRIPPING	-	ULTRAFAB
35	-	-	WOOL PILE PAD	-	1-3/8" X 5/8" X 5"
36	-	2	FOAM BAFFLE (3/4"X3/4"X2")	-	AT EACH END OF SILL
37	TA-74-BSS	2/MOV. PANEL	TANDEM WHEEL ASSEMBLY	-	-
38	2320-10SS	1	MORTISED LOCK (REFLECTOLITE)	-	AT 41-1/4" FROM BOTTOM
39	-	1	LOCK KEEPER W/ 1/2"X7/16"X1/8" ALUM ANGLE	-	-

afc

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ENGINEERS, PLANNERS & PRODUCT DESIGN
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revisions:	no	date	by	description

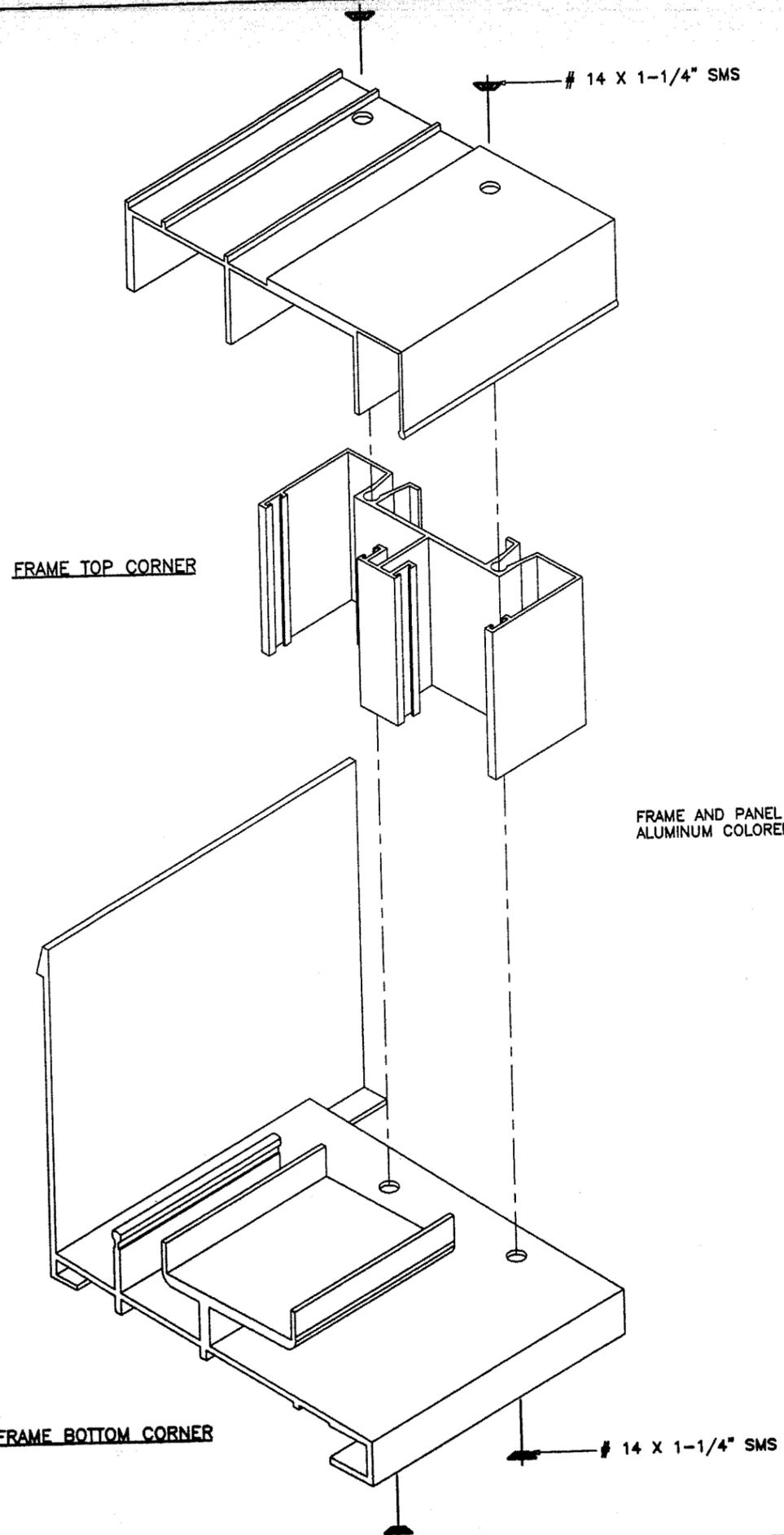
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SOUTH FLORIDA BUILDING CODE
DATE May 17, 2001
BY Ishtaq I. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1130.02

Engr: DR. HUMAYOON FAROOQ
STRUCTURES
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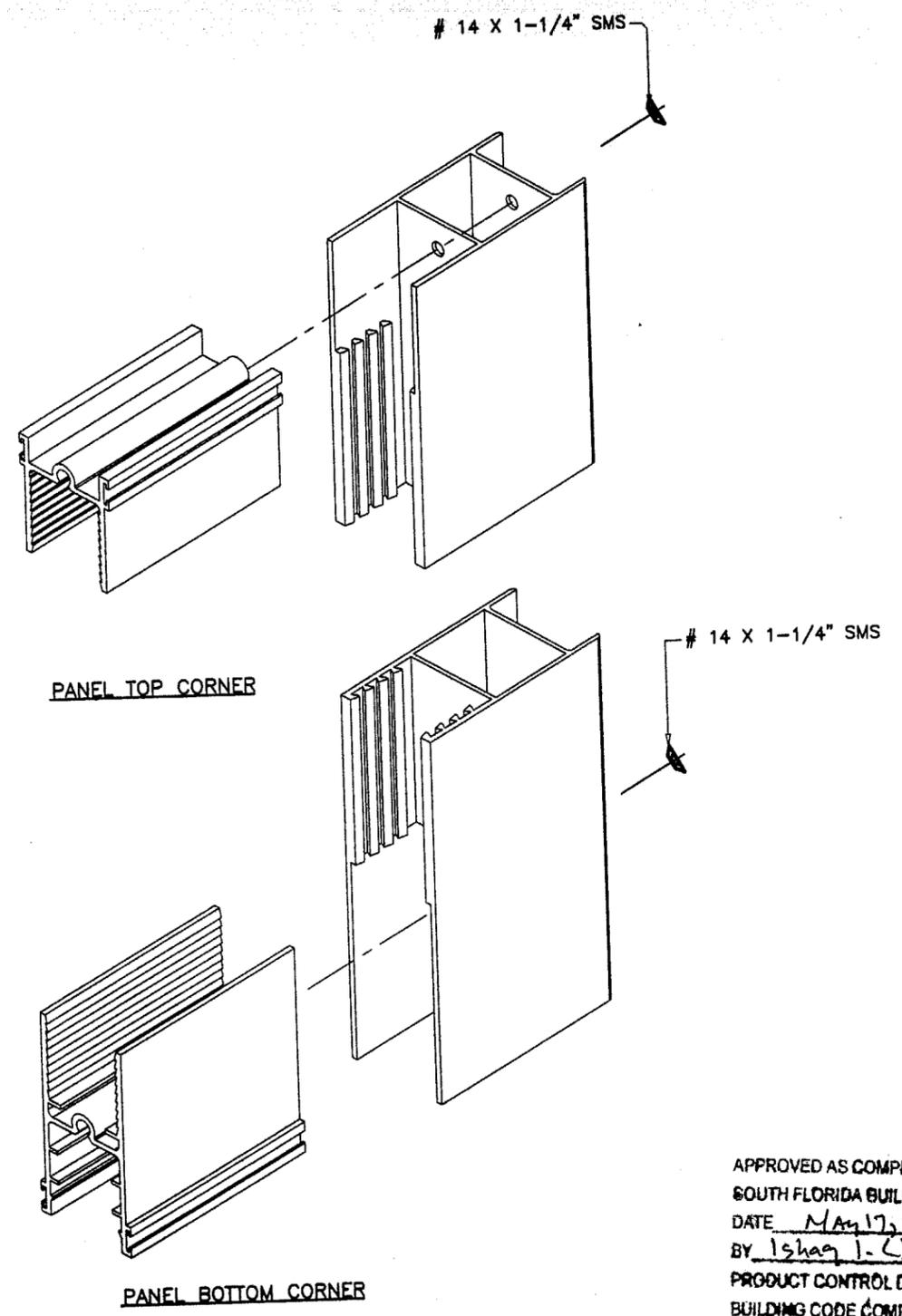
APR 10 2001

date: 09-14-00
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W00-44
sheet 5 of 6



FRAME AND PANEL CORNERS SEALED WITH ALUMINUM COLORED SEALANT.



Engr: DR. HUMAYOON FAROOQ
STRUCTURES
FLA. PE # 16557

[Signature]

APR 10 2001

APPROVED AS COMPLYING WITH THE
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DATE May 17, 2001
BY Ishaq I. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1130.02

afsc

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TEL. (305) 264-8100 FAX. (305) 262-6978
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SERIES-2000ST ALUM SLD. GLASS DOOR
R.C. ALUMINUM INDUSTRIES INC.
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revisions:	
no	by description

date: 09-14-00
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W00-44

sheet 6 of 6