

## SEC. C. TO MEASURERS:

1. The duties of a certified measurer are confined to measuring yachts and reporting facts. He has no authority to grant or reject certificates or interpret rules. Complete instructions will be sent to him by the International Measurement Committee after his appointment.

2. This form must be made out by the certified measurer in duplicate. He must answer I through VI in the Hull Measurement and all under Keel Measurements. Both Copies are to be sent to the I.S.C.Y.R.A. central office. In case some dimensions are not available, file one copy with the I.S.C.Y.R.A. and forward one copy to the owner who becomes responsible for its completion.

3. Declarations must be signed as required.

4. Certified measurers are entitled to a reasonable fee for measuring, but the Association is not responsible for its payment.

5. A certified measurer cannot measure a yacht in which he owns an interest.

## Sec. D. CONDITIONS UNDER WHICH CERTIFICATE IS ISSUED:

1. This certificate is not valid unless it bears the inspection stamp of the I.S.C.Y.R.A. and is signed by the chairman of the International Measurement Committee. It shall be revoked if any structural changes are made or if not properly transferred to a new owner. It may be revoked at any time by order of the International Measurement Committee or the International Governing Committee.

2. This certificate shall be binding on all members, fleets, clubs, or organizations conducting races for the Star Class. The holder of this certificate shall not be subject to protest on hull measurements unless an order to remeasure is obtained from the International Race Committee, International Measurement Committee, or International Governing Committee.

3. This certificate shall be replaced when the yacht is altered or sold. For replacement, send this certificate and ten dollars, U.S. Funds, to the I.S.C.Y.R.A. Central Office.

The International Measurement Committee finds that the yacht described herein conforms with the plans and specifications of the Star Class and therefore grants this certificate to the yacht owner, subject to the conditions set forth above so long as the owner or owners of the yacht are members of the I.S.C.Y.R.A.

Signed *Joseph Crowl*  
(Chairman International Measurement Committee)

Date 17 May 1989



## OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

## SEC. A.

1. Yacht's Number 7416  
 2. Builder L. Mader  
 3. Year Built 1989  
 4. Builder's Hull Number 89 CC 2731  
 5. Material of Construction GRP  
 6. Type and location of characters used to install yacht number in hull at bottom  
 7. Yacht Name \_\_\_\_\_  
 8. Owner Hans-Otto Engel  
 9. Address Wilder Kamp 4 - D 2105 Seevetal 3  
 10. Fleet \_\_\_\_\_  
 11. Remarks Point B 498 Hull 2

## SEC. B. DECLARATIONS:

1. I certify that I have measured items I through VI under hull measurements and K1 through K14 under keel measurements on page two of this certificate and have entered the data, the information is correct and complies with I.S.C.Y.R.A. rules.  
 Print name \_\_\_\_\_

Signed *Krieger* Date 19.4.89  
 (Certified Star Class Measurer)

2. I certify that this yacht has been constructed in accordance with current plans and specifications of the I.S.C.Y.R.A., and that the keel conforms to the approved keel plan. I have completed item VII, Buoyancy, on page two under Hull Measurements.  
 Print name \_\_\_\_\_

Signed *Mader* Date 19.4.89  
 (Builder)

3. I certify that this yacht has been fitted out in accordance with the current plans and specifications of the I.S.C.Y.R.A.  
 Print name \_\_\_\_\_

Signed *Mader* Date 19.4.89  
 (Outfitter)

4. TO BE COMPLETED WHEN YACHT OWNERSHIP CHANGES  
 I certify that no alterations have been made on this yacht that would affect the measurements recorded on page two of this document.  
 Print name \_\_\_\_\_

Signed \_\_\_\_\_ Date \_\_\_\_\_  
 (Owner)

5. TO BE COMPLETED WHEN STRUCTURAL CHANGES HAVE BEEN MADE ON A YACHT  
 I certify that I have inspected the changes outlined in the attached plan covering the structural alterations made on this yacht and find them to be in accordance with the current plans and specifications of the I.S.C.Y.R.A.  
 Print name \_\_\_\_\_

Signed \_\_\_\_\_ Date \_\_\_\_\_  
 (Certified Star Class Measurer)

HULL MEASUREMENTS:

|        |               |
|--------|---------------|
| I.     |               |
| A      | 4568          |
| B      | 1190          |
| C      | >2119 1293 OK |
| E      | 2123 2119 OK  |
| O      | 6660          |
| P      | 311           |
| R      | 2064          |
| S      | 1             |
| TA     | 170           |
| L.O.A. | 6933          |

|               |    |
|---------------|----|
| II.           |    |
| Chine Radius  | ok |
| Stem Radius   | ok |
| Side Flatness | ok |

|                 |      |
|-----------------|------|
| III.            |      |
| Rudder Template | ok   |
| Thickness       | 28   |
| Post Dia.       | 25.4 |

|              |     |
|--------------|-----|
| IV.          |     |
| Skeg Depth   | 415 |
| Skeg Contour | 13  |

V.  
Heights Above Baseline:

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Stations   | 1   | 3   | 6   | 8   | 10  |
| Keel       | 486 | 240 | 104 | 186 | 390 |
| Chine      |     | 303 | 230 | 290 | 445 |
| Side       |     | 809 | 780 | 750 | 716 |
| Bottom Arc |     | ok  | ok  | ok  | ok  |

|                |     |     |     |     |       |
|----------------|-----|-----|-----|-----|-------|
| VI.            |     |     |     |     |       |
| Half Breadths: |     |     |     |     |       |
| Stations       | 1   | 3   | 6   | 8   | Stern |
| Deck           | 198 | 599 | 865 | 796 | 502   |
| Chine          | 93  | 407 | 671 | 634 | 415   |

VII.  
Buoyancy: (Builder)  
Hull 0,36 closed cell foam  
Tanks 2) 0,58  
Compartments 2) 0,58  
Closed Cell Foam -  
Air Bags -

KEEL MEASUREMENTS:

|     |                         |
|-----|-------------------------|
| K1  | 1153                    |
| K2  | 1236                    |
| K3  | 40                      |
| K4  | 1374                    |
| K5  | 26                      |
| K6  | 775                     |
| K7  | 216                     |
| K8  | 311                     |
| K9  | 818                     |
| K10 | 937                     |
| K11 |                         |
| K12 | controlled by templates |
| K13 |                         |
| K14 | 314                     |

WEIGHT CERTIFICATION:

|                  |     |
|------------------|-----|
| Keel less finish | 400 |
| Keel with finish | 407 |

I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of reading.

Print name \_\_\_\_\_

Signed M. Müller Date 19.4.89  
(Builder)

Yacht weight with rigging  
667

Added Weight 4

Type and location of added weight \_\_\_\_\_

I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of reading.

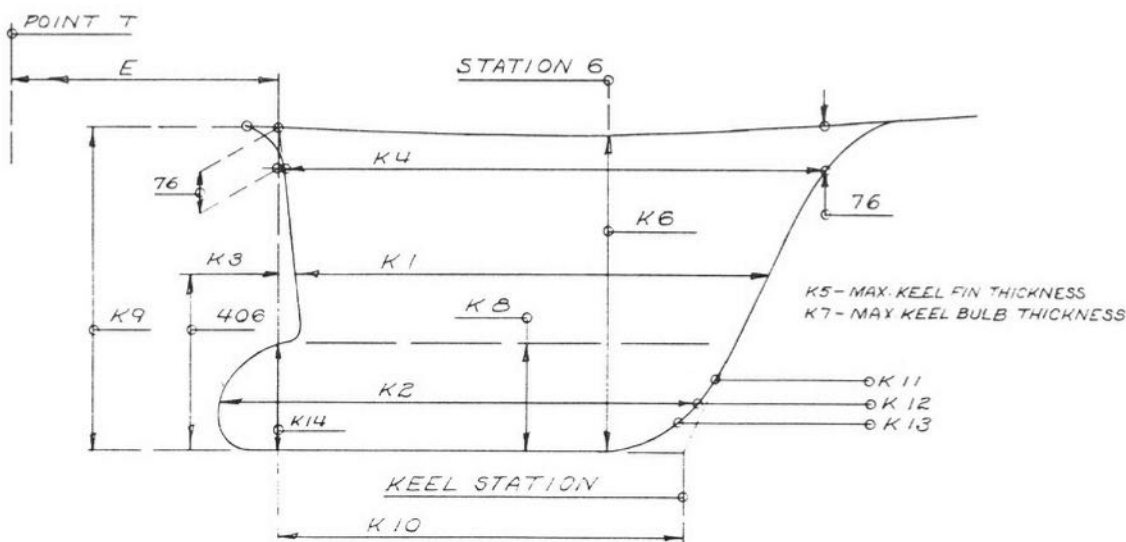
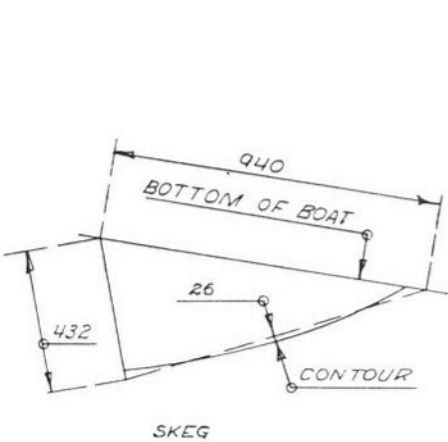
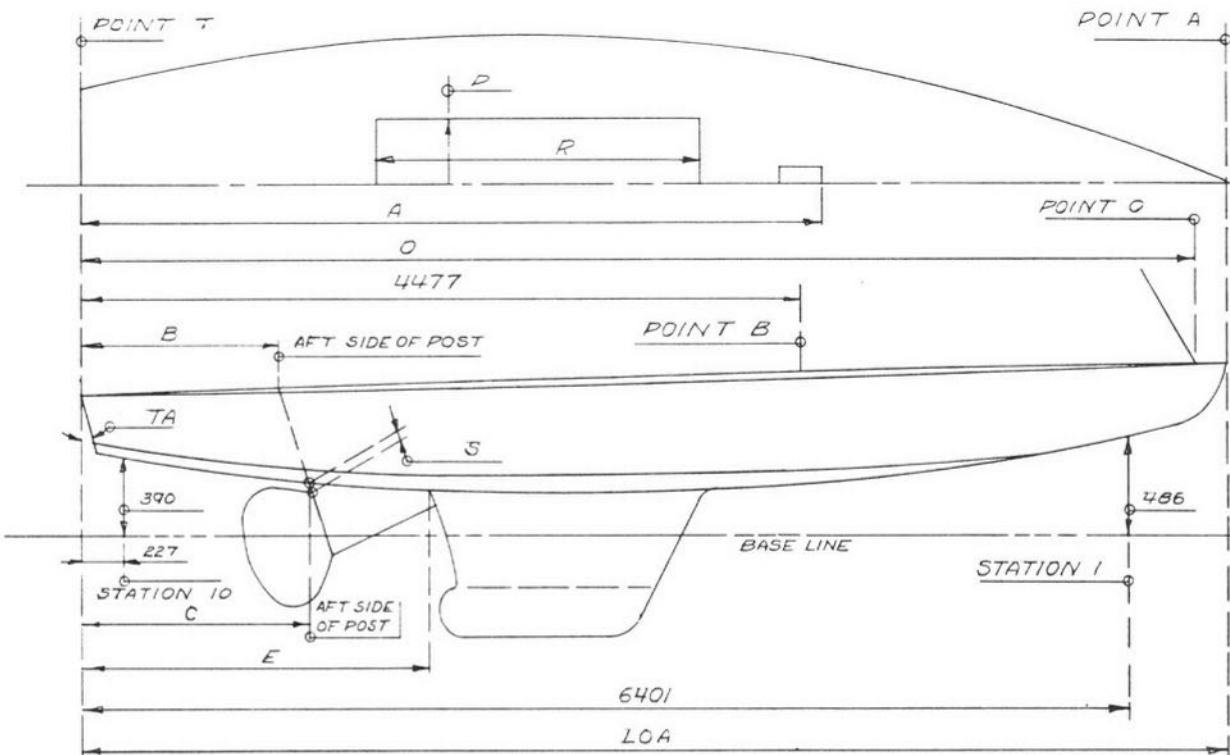
Print name \_\_\_\_\_

SIGNED M. Müller  
(Builder, outfitter or owner)

COPY

MEASURER'S REMARKS:

Most recent hull \_\_\_\_\_  
fully measured is hull  
Nr. 7413 on 10.4.89.  
This is hull Nr. 2.



# I. S. C. ★ Y. R. A.

## AWARD OF NUMBER

## ROYALTY RECEIPT

— To Be Returned To Applicant —

NOTICE—KEEP THIS RECEIPT. OFFICIAL NUMBER MUST BE CUT OR BURNED INTO UPPER SIDE OF KEELSON IN 3" FIGURES FOR IDENTIFICATION. YACHT CANNOT BE MEASURED UNTIL THIS HAS BEEN DONE. THE ISSUING OF A NUMBER DOES NOT IN ITSELF INDICATE ELIGIBILITY, WHICH ALSO DEPENDS UPON A MEASUREMENT CERTIFICATE AND THE OWNER'S QUALIFICATIONS FOR MEMBERSHIP.

— To Be Filled Out by Executive Secretary of I.S.C. ★ Y.R.A. —

To whom it may concern:—

The builder's royalty (Number tax) has been paid on the yacht hereinafter described.

Builder..... Leonhard Mader Bootswerft ..... of..... West Germany

Owner..... Hans-Otto Engel ..... of..... West Germany

Remarks.....

..... sold (hull completed to)  
Yacht reported as being built (work started) for above owner.  
..... under order (deposit paid) by

The said yacht has been registered by the I.S.C. ★ Y.R.A. under the

OFFICIAL NUMBER ..... #7416 .....

This number may be revoked for incorrect information, or other due cause.

Date..... April 17 ..... 1989 .....

*Lisa Weber*

Executive Secretary  
International Star Class  
Yacht Racing Association

7416

## I. S. C. ★ Y. R. A.

# APPLICATION FOR NUMBER BUILDER'S ROYALTY RETURN

The Royalty (Number Tax) On  
Each Star Class Yacht Built Is

\$100.00

**NOTICE** — Plans and Specifications are not transferable and are sold subject to this royalty (or number tax) being paid by the builder, all right, title, and interest in and to the said plans having been bought from the designer by this Association, which reserves the right to refuse to grant a number or to issue a measurement certificate to any yacht on which the said royalty has not been paid or which was not built by a recorded owner of official Star Class plans.

International Star Class Y.R.A.

## INSTRUCTIONS

1. For each yacht built, one of these forms must be filed with the Central Office of the Association, address given below.
2. Attached to each form must be a check or money order, made payable to the International Star Class Y.R.A.
3. Typewrite or print distinctly, in filling out form.
4. A receipt, Form R-2, will be sent to the builder, on which the yacht's official number will be shown.

—To Be Filled Out by Applicant For Number Making Return—

I.S.C.Y.R.A.

Write nothing in this space

No. \_\_\_\_\_

(X) \_\_\_\_\_

Gentlemen:-

The undersigned hereby applies for an official number for the Star Class yacht which has been sold (hull completed) to—  
is being built (work started) for—  
has been ordered (deposit paid) by—

Owner's Name Hans-Otto Engel

Address Postfach 10 55 08

2000 Hamburg 1

Yacht's Name (if known) " \_\_\_\_\_ "

In what fleet will yacht be sailed? \_\_\_\_\_

Builder's Name Bootswerft Leonhard Mader GmbH

Address zum Seeteufel 4

8221 Fischen/Waging a. See

Note—Receipt will be returned to address above given.

I hereby certify that the above information is true and correct to the best of my knowledge and belief and that the said yacht has been or will be built from official plans procured from the I.S.C.Y.R.A., and I agree to notify the I.S.C.Y.R.A. of any change in ownership prior to delivery.

Date 28.3.1989

Signed \_\_\_\_\_

LEONHARD MADER GMBH

8221 FISCHING/BEI WAGING/SEE

INTERNATIONAL STAR CLASS Y.R.A. APR 17 1989

1545 WAUKEGAN ROAD

GLENVIEW, ILLINOIS 60025 U.S.A.

THIS APPLICATION  
MUST BE SENT TO

Make checks payable to International Star Class Y.R.A.

**OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE**

*Duplicate  
Issued  
2-5-99 Oca*

YACHT NUMBER 7416  
Builder Leonhard Mader Year Built 1989  
Builder's Hull Number 89 CC 2731 Construction Material GRP  
Type and location of yacht number in hull at bottom  
Yacht Name \_\_\_\_\_ Fleet \_\_\_\_\_  
Owner Dirk Wortmann  
Address Im Alten Hof 10, D-27721 Ritterhude, Germany  
Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**DECLARATIONS:**

1. I certify that I have measured the items listed on this certificate for the above yacht and entered the data, the information is correct and the yacht complies with ISCYRA rules and the keel conforms to an approved builder's keel plan.

Print name Krieger  
Signed Krieger Date 19 Apr. 89  
(Certified Star Class Measurer)

2. I certify that this yacht has been constructed in accordance with current plans and specifications of the ISCYRA and that the keel conforms to an approved keel plan and approved lay up schedule.

Print name Mader  
Signed Mader Date 19 Apr 89  
(Builder)

3. **TO BE COMPLETED WHEN STRUCTURAL CHANGES HAVE BEEN MADE ON A YACHT**  
I certify that I have measured the above yacht in any areas affected by the following changes:

\_\_\_\_\_ and find it to be in accordance with the current plans and specifications of the ISCYRA.  
Print name \_\_\_\_\_  
Signed \_\_\_\_\_ Date \_\_\_\_\_  
(Certified Star Class Measurer)

4. **TO BE COMPLETED WHEN YACHT OWNERSHIP CHANGES**  
I certify that no alterations have been made on this yacht that would affect the measurements or conformity with the plans and specifications.

Print name \_\_\_\_\_  
Signed \_\_\_\_\_ Date \_\_\_\_\_  
(Owner)

7416

I.S.C.Y.R.A.

**Buoyancy Test Certificate**

THIS CERTIFICATE IS GRANTED FOR THIS YACHT  
UNDER THE PROVISIONS OF  
I.S.C.Y.R.A. SPECIFICATION 7. *FLOTATION*

**INSTRUCTIONS:**

1. Each Star Class Yacht shall comply with the provisions of Specification 7.
2. If Buoyancy Certification of this yacht includes testing, the test shall be conducted according to Specification 7.
3. Send blue copy of completed Certificate to I.S.C.Y.R.A., 1545 Waukegan Road, Glenview, IL 60025 USA; owner shall retain white copy.
4. If flotation provisions for this yacht include buoyancy other than that provided by the structure of the hull, describe these provisions:

COPY

I CERTIFY THAT THIS YACHT COMPLIES WITH I.S.C.Y.R.A. SPECIFICATION 7.

Dirk Wortmann  
Builder or Owner

Builder or Owner's Signature

10. Juni 1999  
Date

ONE COPY OF THIS FORM MUST BE ON FILE IN THE CENTRAL OFFICE

White: Owner  
Blue: Central Office

00 ENTERED JUN 23 1999

RECEIVED JUN 16 1999

BTC 1985

YACHT NUMBER

# I.S.C.Y.R.A. Buoyancy Test Certificate

7416

Reference: Specifications, Article VII

THIS CERTIFICATE IS VALID FOR THIS YACHT AND THIS OWNER ONLY

THIS CERTIFICATE IS NOT TRANSFERABLE TO ANOTHER OWNER

EVERY YACHT OWNER MUST TEST HIS OWN YACHT

## INSTRUCTIONS:

1. Each Star Class Yacht must pass the prescribed buoyancy test which must be conducted by the owner and shall be witnessed by a Fleet or Class Officer or Certified Star Measurer.
2. Yacht with crew, rig and all normal racing equipment, except sails, shall be swamped on a hoist. Boat shall remain afloat, with slack hoist and slack mooring lines, for 10 minutes. (See the LOG for suggested guidelines for conducting the test.)
3. Complete Certification in duplicate. **Witness sends one copy to I.S.C.Y.R.A., 1545 Waukegan Road, Glenview, IL 60025 U.S.A.; owner shall retain other copy.**
4. Describe additional flotation equipment, other than hull structure. (Mention type, size, location, etc.)

COPY

7416

5. I conducted a test for this yacht in accordance with the above instructions.

C. Seegers

B. Brinkmann

Owner's Name

Owner or Representative's Signature

26/09/92  
Date

I attended the above test and acknowledge that the yacht named floated for 10 minutes following the instructions above. I further certify that the yacht at the time of the test contained only the additional flotation equipment described in Paragraph 4 above.

REC'D SEP 28 1992

H.-O. Engel

Witness's Name and Title  
HF- Captain  
XIII. District Secy.

Witness' Signature

26/09/92  
Date

ONE COPY OF THIS FORM MUST BE ON FILE IN THE CENTRAL OFFICE TO BE VALID



7416

2 May 34



R 06 May 89

I.S.C.Y.R.A. File No:

7416

Hans-Otto Engel

Wilder Kamp 4  
2105 Seevetal 3  
Telefon 04105/84899

*Handwritten signature*

TELEFAX No.:28109

Datum/Date:28.09.1992  
En./Hs.

Firma / Messrs.: ISCYRA, 1545 Waukegan Road, Glenview  
z. Hd. / Attn.:

Please take note that I sold my Star 7416 to

Messrs. C. Seegers and B. Brinkmann  
as combined owners.

Per pages 2 and 3 I am sending you the measurement certificate and  
the buoyancy test certificate. Measurement certificate with remark  
SOLD TO.

Please date your records accordingly.

C. Seegers and B. Brinkmann will become members of HF for 1993.  
Secretary of HF - Mr. C. F. Schott - will brief you accordingly in due  
course.

Best regards,

*Handwritten signature*  
H. - O. Engel

*Handwritten number: 1302120*

TOTAL 3 PAGES

REC'D SEP 28 1992

26/09/92 SOLD TO:  
C. Seegers / B. Brinkmann  
H. V. Rühl

Page One

Revised Dec. 1983

## OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

## SEC. A.

- 79167
1. Yacht's Number 7416
  2. Builder L. Mader
  3. Year Built 1989
  4. Builder's Hull Number 89 CC 2731
  5. Material of Construction GRP
  6. Type and location of characters used to install yacht number in hull at bottom
  7. Yacht Name \_\_\_\_\_
  8. Owner Hans-Otto Engel
  9. Address Wilder Kamp 4 - D 2105 Seevetal 3
  10. Fleet \_\_\_\_\_
  11. Remarks Point B 498 Hull 2

## SEC. B. DECLARATIONS:

I certify that I have measured items I through VI under hull measurements and K1 through K14 under keel measurements on page two of this certificate and have entered the data, the information is correct and complies with I.S.C.Y.R.A. rules.

Print name \_\_\_\_\_

Signed \_\_\_\_\_

(Certified Star Class Measurer)

Date 19.4.89

2. I certify that this yacht has been constructed in accordance with current plans and specifications of the I.S.C.Y.R.A., and that the keel conforms to the approved keel plan. I have completed item VII, Buoyancy, on page two under Hull Measurements.

Print name \_\_\_\_\_

Signed L. Mader

(Builder)

Date 19.4.89

I certify that this yacht has been fitted out in accordance with the current plans and specifications of the I.S.C.Y.R.A.

Print name \_\_\_\_\_

Signed L. Mader

(Outfitter)

Date 19.4.89

4. TO BE COMPLETED WHEN YACHT OWNERSHIP CHANGES

I certify that no alterations have been made on this yacht that would affect the measurements recorded on page two of this document.

Print name \_\_\_\_\_

Signed \_\_\_\_\_

(Owner)

Date \_\_\_\_\_

5. TO BE COMPLETED WHEN STRUCTURAL CHANGES HAVE BEEN MADE ON A YACHT

I certify that I have inspected the changes outlined in the attached plan covering the structural alterations made on this yacht and find them to be in accordance with the current plans and specifications of the I.S.C.Y.R.A.

Print name \_\_\_\_\_

Signed \_\_\_\_\_

(Certified Star Class Measurer)

Date \_\_\_\_\_

RCU SEP 28 1992

# TEMPORARY MEASUREMENT CERTIFICATE

Date Measured: 19 4 89

Date Issued: 19 4 89

Expiration Date: 4 6 89  
(45 days after Date Issued)

I have measured Star # 7416 and all measurements appear to be within acceptable tolerances. However, while final examination and certification is being processed this letter may serve as a temporary certification for a period of 45 days. I see no apparent discrepancies which need resolution before final issuance of a Measurement Certificate.

COPY

This Temporary Measurement Certificate cannot be renewed and is subject to revocation by the Measurement Committee.

Signed By: Krieger, Certified Measurer

Print Name: \_\_\_\_\_

- Copies: 1. Owner  
2. Central Office  
3. Measurer



*Blay 89*

7416