

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

7884 G

YACHT NUMBER 7884
Builder CANTIERE NAUTICO LIMA Year Built 1996
Builder's Hull Number 10 NERO Construction Material GRP
Type and location of yacht number in hull DRILLED ON KEELSON
Yacht Name _____ Fleet _____
Owner FEDERACAO BRASILEIRA DE VELA E MOTOR
Address RUA ALVARO GUANABARA, 15/801 - RIO DE JANEIRO - 20031-130 BRASIL
Remarks SELF BAILING COCKPIT

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 ROBERTO CAVALIA
Signed _____ Date 04/12/1996
(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 _____
Signed _____ Date 04/12/1996
(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)

YACHT NUMBER 7884

MEASUREMENTS:

HULL MEASUREMENTS:

A	4600
B	1192
C	1275
E	2128
O	6703
P	305
R	1950
Transom Angle	15
L.O.A.	6916
Height of Point "B"	462
Chine Radius	OK
Stem Radius	OK
Side Flatness	OK
Rudder Template	OK
Rudder Thickness	27
Rudder Post Diameter	25
Skeg Depth	410
Skeg Contour	5
Tiller Material	OK

Last fully measured hull from this mold # 7875
on May 26, 1996.

This is hull number 2 since that measurement.

KEEL MEASUREMENTS:

K1	1150
K2	1236
K3	55
K4	1354
K5	26
K6	770
K7	220
K8	329
K9	803
K10	953
K11	89
K12	86
K13	76
K14	269

KEEL CERTIFICATION:

Keel weight 408
I certify that the weight shown was taken on
a scale that has been calibrated within the
last year to an accuracy of .5% of reading,
and that this keel conforms to the builders
approved keel plan, dated March 2,
1993 on file at ISCYRA.

[Signature] - ROBERTO RAVALLI
(Signature - Certified Star Class Measurer)

HEIGHTS ABOVE BASELINE:

Station	1	2	3	4	5	6	7	8	9	10
Keel	686	354	247	171	120	101	130	192	288	390
Chine	X	X	304	X	X	227	X	301	X	452
Side	824	X	493	X	X	467	X	413	X	678
Bottom Arc	X	X	OK	X	X	OK	X	OK	X	OK

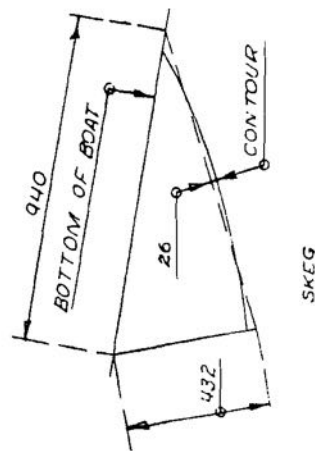
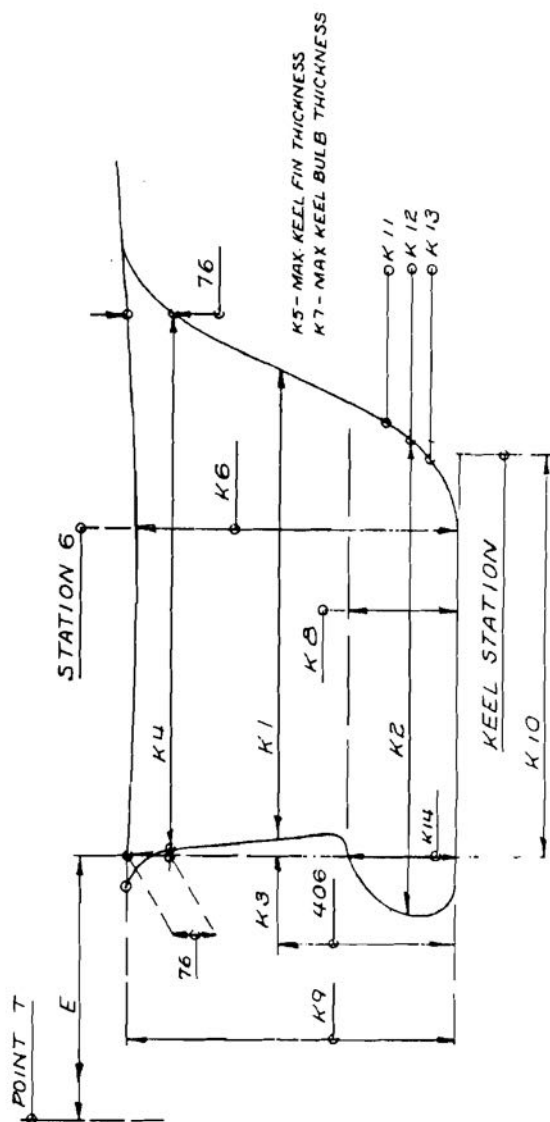
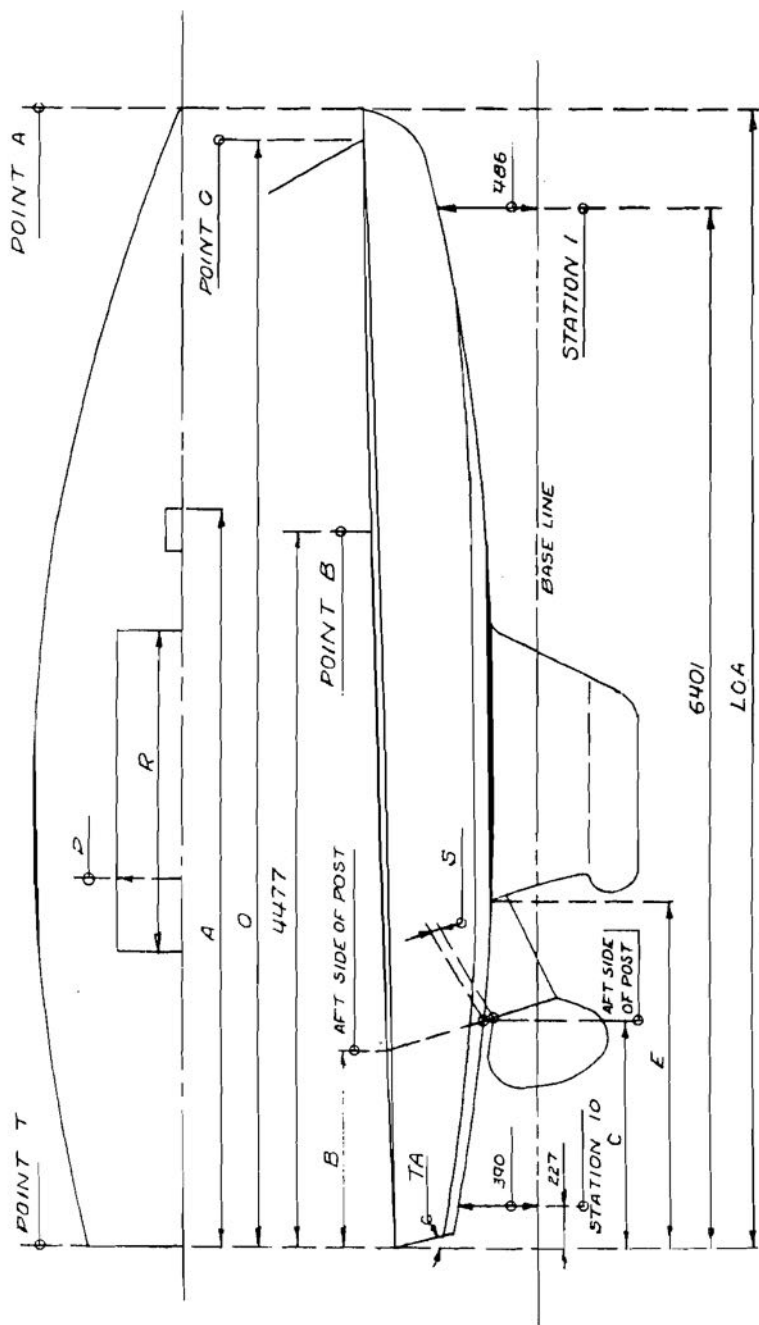
HALF BREADTHS:

Station	1	3	6	8	Stern
				782	
Deck	203	617	864	779	492
Chine	89	404	670	628	410

DD per J. Koopman (4-4-97)

BUOYANCY:

Contained in Hull Lay-up 0,5 m³
Airtight Compartments 0,85 m³
Other _____



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 fully completed by the certified measurer in duplicate. Both copies are to be sent to the ISCYRA Central Office.
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 may not measure a yacht in which he owns an interest except as provided by ISCYRA Rule 33.2

CONDITIONS UNDER WHICH CERTIFICATE IS ISSUED:

1. This certificate is not valid unless it bears the stamp of the ISCYRA and is signed by the chairman of the International Measurement Committee. This certificate may be revoked at any time by order of the International Measurement Committee or the International Governing Committee. It is invalid if any structural changes are made which affect the yacht's dimensions or its compliance with ISCYRA Rules.
2. This certificate shall be binding on all members, fleets, clubs, or organizations conducting races for the Star Class.
3. This certificate shall be replaced when the yacht is altered or sold. For replacement of the certificate contact the ISCYRA Central Office.
4. ISCYRA Rule 33.3 limits re-measurement of a yacht having a valid certificate.



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 ISCYRA.

Signed 
(Chairman International Measurement Committee)

Date 31 DEC 96

BTC 1995

YACHT NUMBER

7884

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., 1515 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:

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

ALESSANDRO PASCOLATO
Builder or Owner

[Signature]
Builder or Owner's Signature

4/1/1999
Date

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

DD ENTERED JAN 9 0 1999

I.S.C. ★ Y.R.A.
YACHT WEIGHT CERTIFICATE



Yacht Number: 7884

Owner FEDERAZAO BRASILEIRA DE VELO E YACHT

Address RUA ALVARO GUANABARA 15/501

CID. DE JANEIRO

20031-130 BRASILIA

Fleet

I Certify that I have weighed the above yacht, according to the Rules of the I.S.C.Y.R.A., and find that

8.5 KG

is required to bring the total weight to the required minimum. This amount of weight has been properly installed, and I have applied official seals to it.

Certified Weighmaster:

Signature [Signature]

Print name ROBERTO RAVAGLIA

My term expires N.A.

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

7884

RECEIVED DEC 18 1996

DD ENTERED DEC 18 1996



International Star Class Yacht Racing Association

1545 Waukegan Road
Glenview
Illinois 60025-2185
U.S.A.
Phone +1-847-729-0630
Fax +1-847-729-0718
E-mail: iscyra@interaccess.com

4 April 1997

Federação Brasileira de Vela e Motor
Rua Alcindo Guanabara, 15/801
Rio de Janeiro 20031-130
Brazil

Dear Federação Brasileira de Vela e Motor,

Please be advised that a correction has been made on the deck measurement of station 8 of your Star 7884. This correction has been made by measurer Roberto Ravaglia and approved by ISCYRA Chief Measurer John Koopman.

I have corrected the official measurement certificate that we have on file for Star 7884. Enclosed please find documentation for you to keep with your copy of the measurement certificate.

Best regards,

Diane Dorr
Executive Secretary

Enc.

FAX TO: DIANE DORR, ISCYRA

FROM: JOHN KOOPMAN

** COPY OF LETTER SENT TODAY **

4 March 1997

Diane Dorr
ISCYRA
1545 Waukegan Road #8
Glenview IL 60025-2185

Ref: Measurement Certificate, Star #7888

Dear Diane;

I just received the fax of Roberto Ravaglia's letter R/E the deck measurement at station 8 of Star 7888.

The new measurement of 782 is within tolerance and I have updated the certificate with an annotation over the measurement.

This change also affects the measurement certificates for Stars 7884, 7875, 7874 and 7863 per Roberto's letter. You have my permission to update these certificates, initialing the change at station 8 in my stead.

Thank you;

John F. Koopman
Chief Measurer
ISCYRA

encl. 2-Measurement Certificates for Star 7888

RECEIVED APR 04 1997

From Roberto Ravaglia (Measurer):
To ISCYFA (fax OK-847-729-0718)
For the attention of Mr. John Koopman/Mrs. Diane Dorr

Subject: Measurement Cert. Star 7888 and Stars from same mold

Dear John/Dear Diane,

With reference to Your letter sent on February 27, 1997, I have recently made a complete measurement of a hull, to discover possible measures out of order, and to double check station 8.

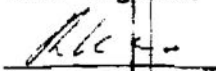
I can now confirm that everything is right for Stars 7888, 7884, 7874, 7875, 7863. Please amend "deck at station 8" in 782 mm in all these certificates.

(Joe Knowles already discovered a clerical transcription error in Deck at station 6 in 7863 certificate: of course is 864 and not 804).

Station 8 is close to the minimum, but it is not possible that this measure is now increased.

Probably the hulls previously measured (7875 and 7863) were not in a perfect left-to-right position (I have double checked also this position now). In this situation it is easy to mediate the vertical right and left measurements on the baseline, but it is possible to loose few millimetres (less than 1%) when reporting the half breadth on the floor (it is a normal procedure to measure the distance from left to right side and to divide by 2 the result). I am sorry but I really did not realize, at that time, that the result was under the minimum. Now I can say it was my mistake and I fully apologize for that.

Please do not hesitate to contact me for any further question.
Best regards,


R. Ravaglia

RECEIVED APR 04 1997

1p fax OK

7884

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

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I.S.C.Y.R.A. SPECIFICATION 7. *FLOTATION*

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4. If flotation provisions for this yacht include buoyancy other than that provided by the structure of the hull, describe these provisions:

0.95 m³ PROVIDED BY WATERTIGHT BULKHEADS

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

FEDERAÇÃO BRASILEIRA DE VELA
E MOTOR Builder or Owner


Builder or Owner's Signature

1996-12-04
Date

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

White: Owner
Blue: Central Office

RECEIVED DEC 18 1996

AD ENTERED DEC 18 1996