

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

7760 G

YACHT NUMBER 7760
Builder CANTIERE NAUTICO LILCIA Year Built 1994
Builder's Hull Number 159 Construction Material GRP
Type and location of yacht number in hull DRILLED ON KEEL SON
Yacht Name _____ Fleet _____
Owner TORBEN GRAEL
Address ESTRADA FROES 332 - SAO FRANCISCO NITEROI RIO DE JANEIRO BRASIL
Remarks SELF BAILING COCKPIT
POINT B 470 94WC

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 RAVALLIA

Signed [Signature] Date 21.5.1994
(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 CANTIERE NAUTICO

Signed [Signature] Date 21.5.1994
(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 7760

MEASUREMENTS:

HULL MEASUREMENTS:

A 4632
 B 1192
 C 1275
 E 2128
 O 6707
 P 310
 R 1930
 Transom Angle 15
 L.O.A. 6909
 Height of Point "B" 470
 Chine Radius OK
 Stem Radius OK
 Side Flatness OK
 Rudder Template OK
 Rudder Thickness 27
 Rudder Post Diameter 25
 Skeg Depth 408
 Skeg Contour 5
 Tiller Material OK

Last fully measured hull from this mold # 7746
 on 25. 3, 1994.

This is hull number 4 since that measurement.

KEEL MEASUREMENTS:

K1 1147
 K2 1233
 K3 38
 K4 1350
 K5 26
 K6 770
 K7 220
 K8 308
 K9 801
 K10 960
 K11 89
 K12 85
 K13 76
 K14 263

KEEL CERTIFICATION:

Keel weight 402
 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 2. 3.
 1993 on file at ISCYRA.

R. RAVALLIA

(Signature - Certified Star Class Measurer)

HEIGHTS ABOVE BASELINE:

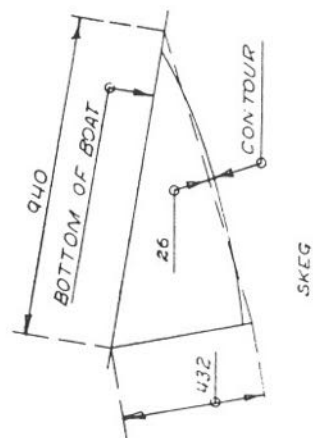
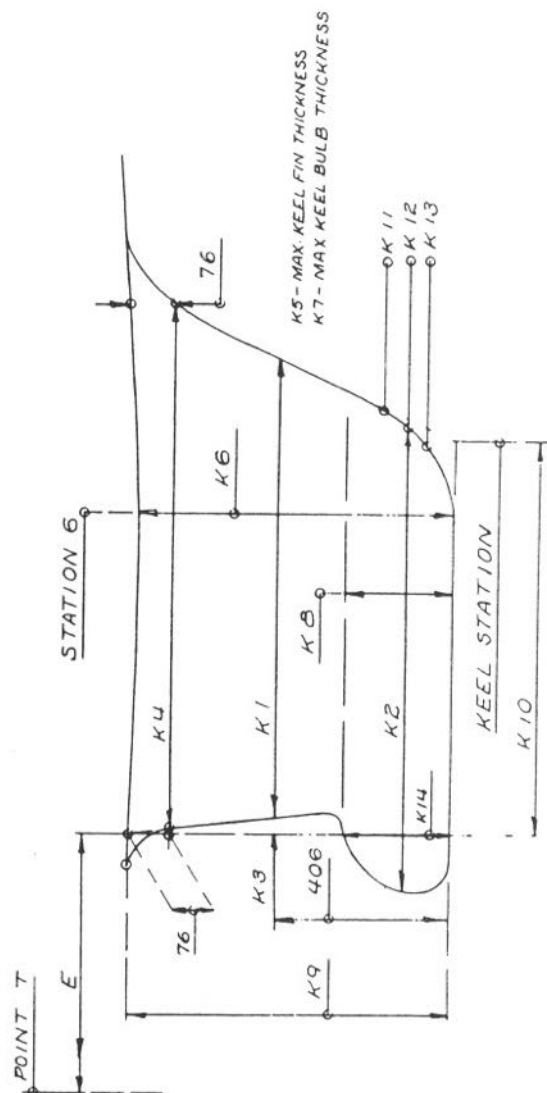
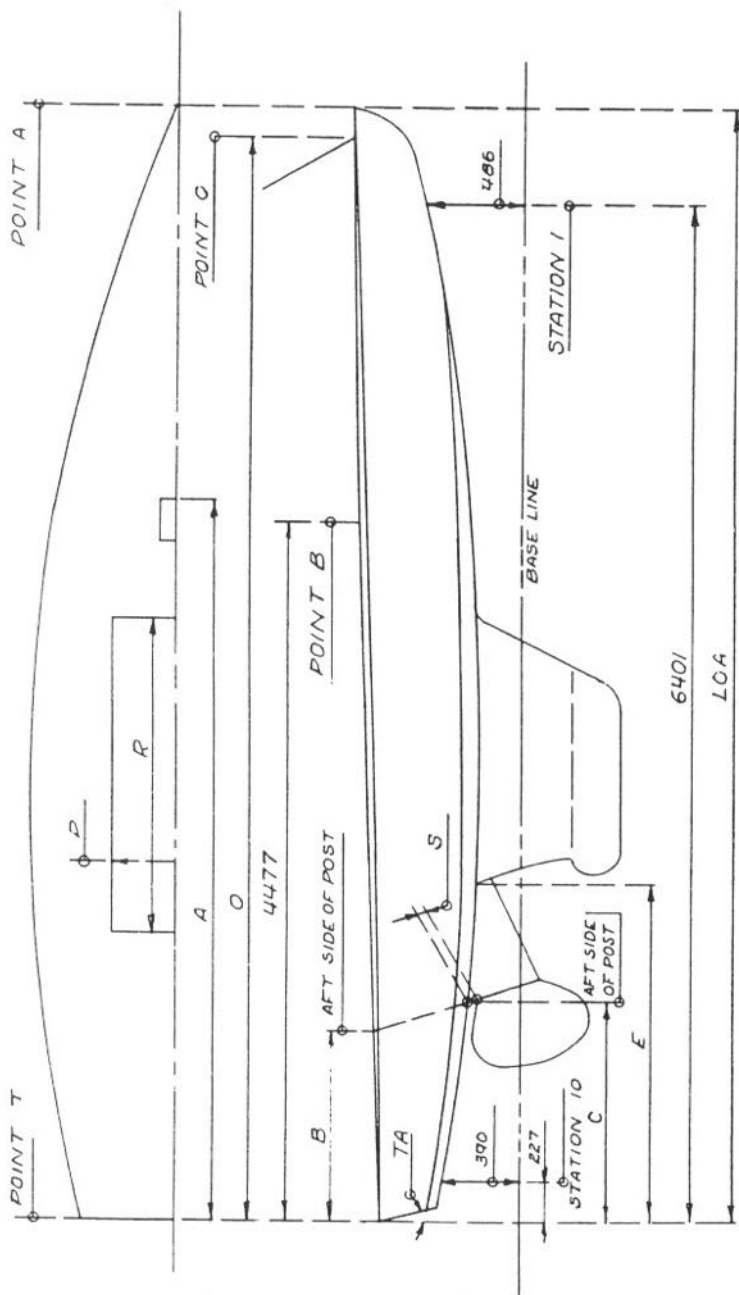
Station	1	2	3	4	5	6	7	8	9	10
Keel	486	353	249	173	124	106	131	187	280	390
Chine	X	X	305	X	X	231	X	289	X	444
Side	825	X	800	X	X	751	X	721	X	680
Bottom Arc	X	X	OK	X	X	OK	X	OK	X	OK

HALF BREADTHS:

Station	1	3	6	8	Stern
Deck	203	615	857	795	498
Chine	93	404	676	633	409

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 *Joseph F. Rowland*
(Chairman International Measurement Committee)

Date 22 - Jun 1984

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



Yacht Number: 7760

Owner TORBEN GRAEL

Address ESTRADA FROES 332

SAO FRANCISCO NITEROI

RIO DE JANEIRO BRASIL

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

0. 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:

7760

[Signature]
REC'D JUN 1 1994

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

TEMPORARY MEASUREMENT CERTIFICATE

Date Measured: 21. 5. 1994

Date Issued: 21. 5. 1994

Expiration Date: 16. 7. 1994
(45 days after Date Issued)

POINT B = 470
HL

I have measured Star # 7760 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.

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

Signed By: HL, Certified Measurer

Print Name: ROBERT J RAVAGLIA

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

REC'D JUN 1 1994

7760

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:

0, 95 m³ provided by watertight bulkheads

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

Lucas M. ... Lucas M. ... 22/10/99
Builder or Owner Builder or Owner's Signature Date

PORTO FLEET SECRETARY
(TOR)

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

White: Owner
Blue: Central Office

YACHT NUMBER

7760

I.S.C.Y.R.A. ()

Buoyancy Test Certificate

Reference: Specifications, 7

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.)

0.95 m³ provided by watertight bulkheads

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

ROBERTO RAVAGLIA - MEASURER

~~Owner's~~ Name
Witness

~~Owner or Representative's Signature~~
WITNESSES

21. 5. 1944

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.

TORBEN GRAEL

Witness's Name and Title
Owner

CANTIERE NAUTICO

Witness' Signature

21.5.1994

Date _____

REC'D JUN 1 1994

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