

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

SEC. A.

7441 G

1. Yacht's Number 7441
 2. Builder CANTIERE NAUTICO LILLIA
 3. Year Built 1989
 4. Builder's Hull Number 103 B
 5. Material of Construction GRP
 6. Type and location of characters used to install yacht number in hull
DRILLED ON KEELSON
 7. Yacht Name _____
 8. Owner TORBEN GRAEL
 9. Address ESTRADA FROES 332 - SAO FRANCISCO, NITEROI RIO DE JANEIRO - 24250 BRASIL
 10. Fleet Gua
 11. Remarks SELF BAILING COCKPIT . POINT B = 469

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 ROBERTO RAVAGLIA

Signed [Signature] Date 19.08.1989
 (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 CANTIERE NAUTICO

Signed [Signature] Date 19/08/1989
 (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 MUSSE (Compo)

Signed _____ Date _____
 (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)

YACHT NUMBER 7441

HULL MEASUREMENTS:

I.
 A 4630
 B 1192
 C 1273
 E 2139
 O 6650
 P 310
 R 1955
 S 6
 TA 15
 L.O.A. 6922

II.
 Chine Radius OK
 Stem Radius OK
 Side Flatness OK

III.
 Rudder Template YES
 Thickness 27
 Post Dia. 25

IV.
 Skeg Depth 409
 Skeg Contour 5

V.
 Heights Above Baseline:

Stations	1	3	6	8	10
Keel	<u>486</u>	<u>244</u>	<u>106</u>	<u>192</u>	<u>390</u>
Chine	<u>X</u>	<u>303</u>	<u>231</u>	<u>291</u>	<u>450</u>
Side	<u>814</u>	<u>785</u>	<u>749</u>	<u>703</u>	<u>690</u>
Bottom Arc	<u>X</u>	<u>OK</u>	<u>OK</u>	<u>OK</u>	<u>OK</u>

VI.
 Half Breadths:

Stations	1	3	6	8	Stern
Deck	<u>206</u>	<u>618</u>	<u>864</u>	<u>800</u>	<u>500</u>
Chine	<u>95</u>	<u>409</u>	<u>676</u>	<u>634</u>	<u>415</u>

VII.
 Buoyancy: (Builder)
 Hull 0.4 cbm
 Tanks _____
 Compartments 0.85 cbm
 Closed Cell Foam 0.10 cbm
 Air Bags _____

KEEL MEASUREMENTS:

K1 1148
 K2 1212
 K3 43
 K4 1362
 K5 25
 K6 769
 K7 221
 K8 310
 K9 800
 K10 949
 K11 81
 K12 87
 K13 94
 K14 300

WEIGHT CERTIFICATION:

Keel less finish 395
 Keel with finish 400

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 ROBERTO RAVAGLIA

Signed [Signature] Date 1908.89
 (Builder)
 Measurer

Yacht weight with rigging
672

Added Weight 0

Type and location of added weight /

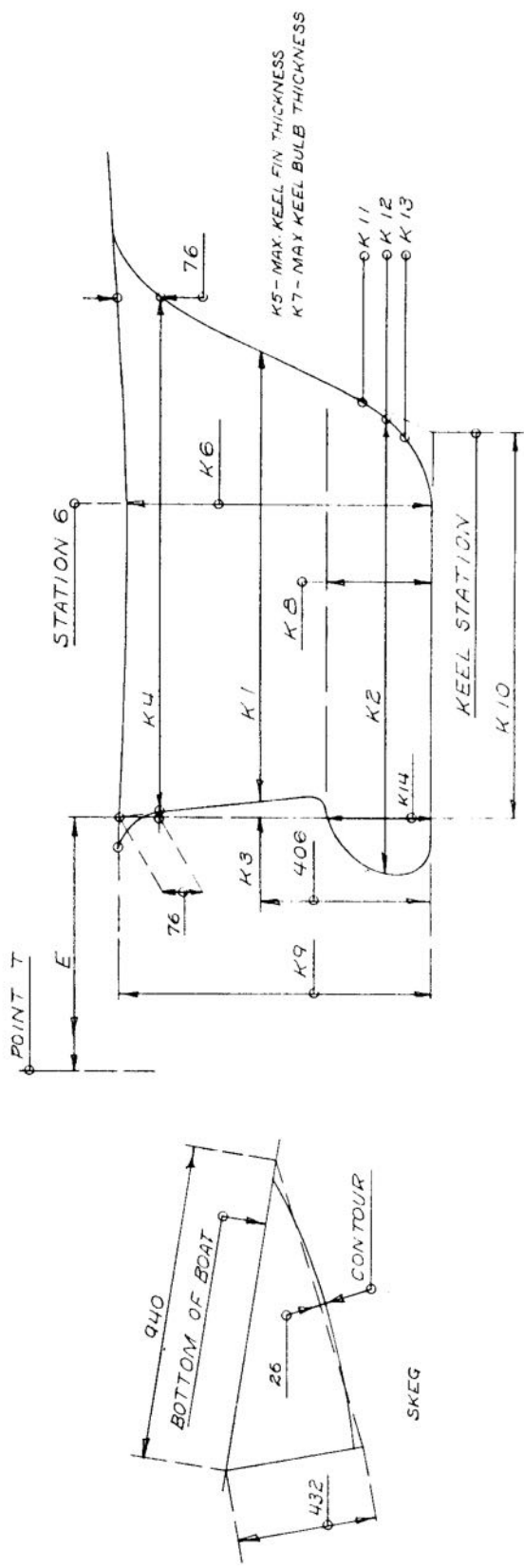
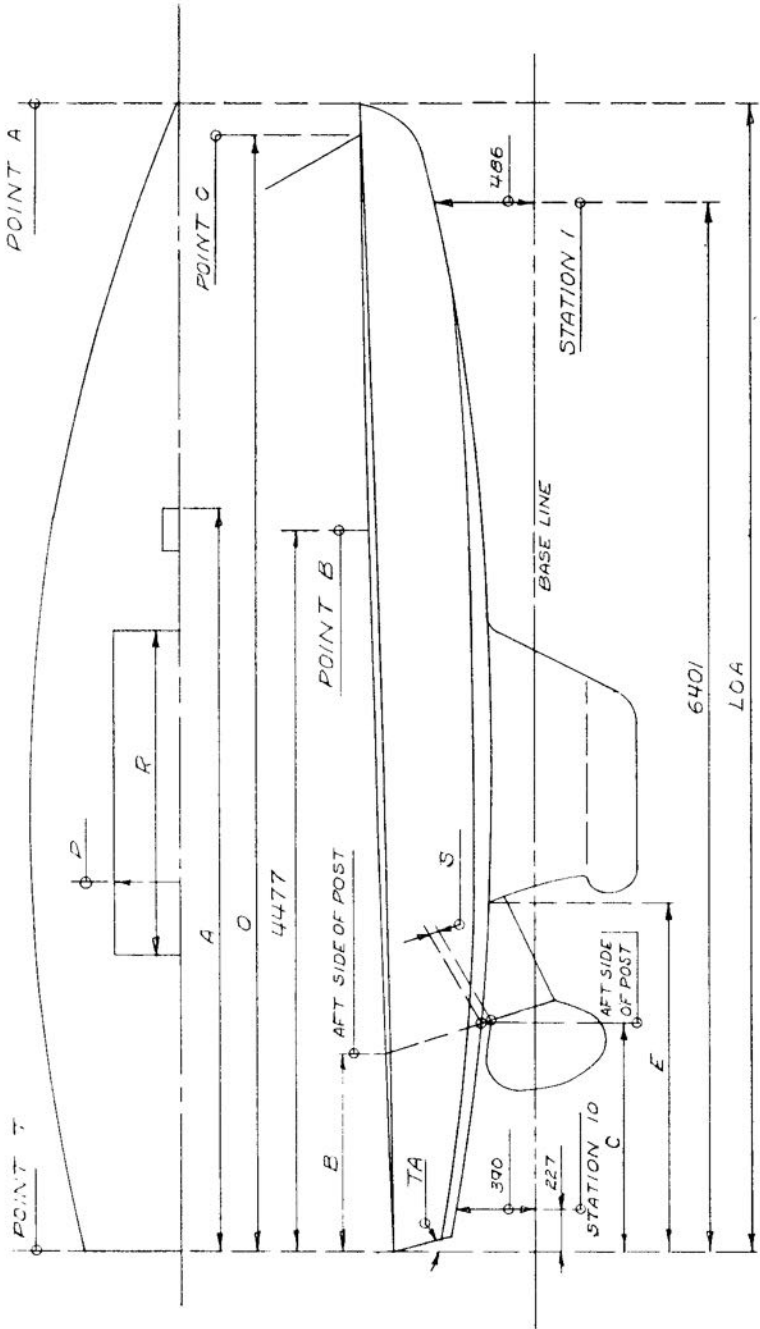
I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of **CANTIERE NAUTICO**

Print name [Signature]

SIGNED MUSSO (Como)
 (Builder, outfitter or owner)

MEASURER'S REMARKS:

MOST RECENT HULL FULLY
MEASURED FROM THIS MOLD
7420



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 *Jonny Brown*
(Chairman International Measurement Committee)

Date 11 OCT 1989

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



Yacht Number: 7441

Owner TORBEN GRAEL

Address ESTRADA FROES 332 - SAO FRANCISCO

NITEROI, RIO DE JANEIRO

24250 BRASIL

Fleet GUA

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

0.00 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.

REC'D AUG 29 1989

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

7441

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

BL - 7441

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.)

0.95 cbm provided by watertight bulkheads

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

TORREN GRAEL
Owner's Name

CANTIERE NAUTICO
Owner or Representative's Signature
MUSSO (Com)

13.08.1989
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.

ROBERTO RAVAGLIA - MEASURER
Witness's Name and Title

Witness' Signature

13.08.1989
Date

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