

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATESec. A. **DESCRIPTION OF MEASURED YACHT**

IMPORTANT - The following information must be supplied by the Certified Measurer who actually measured the yacht. The yacht's number, its only means of identification, must be cut or burned in at least 3" figures into upper side of keelson and checked against award of number royalty receipt (Form R-2), otherwise Measurer is instructed NOT TO MEASURE the yacht.

1. YACHT'S NUMBER? 4631
2. Was this number cut or burned into keelson as required above? Yes
3. Yacht's name "Mac" 4. Year built 1962
5. By whom built? Owner.
6. Owner's Name Grahame Engert.
7. Address 159 BRIGHTON AVE. TORONTO N.S.W. AUSTRALIA
8. Fleet Lake Macquarie Fleet. Remarks.

CERTIFIED MEASURER'S AFFIDAVIT

I hereby certify under oath that I personally measured the yacht herein described on the 24th day of March, 1963, according to instructions issued by the International Measurement Committee and that I have correctly and truthfully recorded the yacht's dimensions on the reverse side of this form and that the above information is true and correct to the best of my knowledge and belief.

Date signed and filed 24th March, 1963. Signed H. Schultz.
Certified Star Measurer

NOTE- IF THERE IS ANYTHING ABOUT THE YACHT'S CONSTRUCTION OR OTHERWISE WHICH YOU BELIEVE CONTRARY TO RULES OR NOT ACCORDING TO STANDARD, REPORT THIS IN A LETTER ATTACHED TO THIS FORM AND DESCRIBE IN DETAIL WITH SKETCH IF NEEDED.

WARNING

If structural alteration or repairs are made (Except to sails) the yacht must be remeasured. If in doubt, obtain ruling from International Measurement Committee. This Certificate becomes void unless owner upon the sale or transfer of the yacht signs the Renewal Affidavit below.

AFFIDAVIT OF NO ALTERATIONS

SOLD OR TRANSFERRED TO _____ of _____
I hereby certify under oath that no alterations have been made to the said yacht since original date of measurement, unless a rider covering remeasurement is affixed to this Certificate.

Date _____ Signed _____ former owner.

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATESec. C. **—INSTRUCTION TO CERTIFIED 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 as to how to measure will be sent to him by the International Measuring Committee after his appointment.
2. This Form must be made out by the Certified Measurer IN DUPLICATE. He must answer all questions in Sect. A, and fill in all dimensions called for. Then file both copies with International Measurement Committee.
3. Sails are measured before sanctioned championships, at other times the Fleet is responsible for checking them. Certified Measurers, if authorized by a Fleet, can approve or reject sails.
4. Certified Measurers are entitled to a reasonable fee for measuring, but the Association is not responsible for its payment, and Certified Measurers are advised to collect their fee before filing this Form.
5. A Certified Measurer cannot measure a yacht in which he owns an interest except under duly appointed and authorized supervision.

SEC. D. **—CONDITIONS UNDER WHICH CERTIFICATE OR RENEWAL 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 automatically revoked if any structural alterations are made or if not properly endorsed over to a new owner by former owner, or may be revoked at any time by order of the International Measurement Committee or the Governing Committee of the International Star Class Yacht Racing Association.
2. This Certificate shall be binding upon all members, Star Fleets, Clubs, or organizations conducting races for the Star Class as such. 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 Governing Committee, or unless the protesting party has submitted evidence to show there are reasonable grounds to suspect subsequent alterations or other justifiable causes. See By-Laws, Article VII.
3. This Certificate should be renewed in name of new owner. For renewal, send this Certificate and \$1.00 to International Measurement Committee, with notation as to change of boat's name, if any.

4. WARNING

Spars, position of keel, or anything else that is not an integral part of the hull, can easily be changed and should not be depended upon. These, as reported on original certificate, serve also as a protection to the purchaser of a new boat, but are subject to remeasurement as noted above.

NOTE—This space is reserved for International Measurement Committee use.



The International Measurement Committee, having examined all facts and figures certified to herein, finds that the yacht herein described conforms with the plans and specifications of the Star Class within the limitations of the measuring rules, and therefore, grants this Certificate to the said yacht subject to the conditions above set forth for so long as the owner or owners of the said yacht are members of the International Star Class Yacht Racing Association.

Signed _____
Chairman International Measurement Committee.

Date June 19 1963

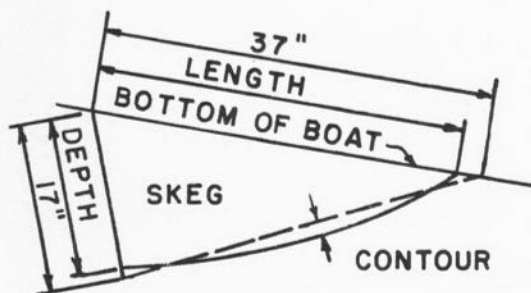
13 27/32 Min 9 7/32 Min 11 1/16 Min

STATIONS	1	2	3	4	5	6	7	8	9	10
CONTOUR	19 1/8	12 5/8	8 3/8	5 1/8	4 5/8	4 1/8	5 1/16	7 1/8	11 3/8	15 3/8
CHINE						8 1/2		12		17 7/8
SIDE *	13 3/16		20 5/8			21		17 1/16		10 13/16

* MEASURED ALONG SURFACE OF PLANKING

	HALF BREADTHS				
STATIONS	1	3	6	8	STERN
DECK	8	23 5/8	33 7/8	30 7/8	19 5/16
CHINE	3 1/2	15 3/32	26 3/16	24 7/8	16

RUDDER
WIDTH 18 1/2 TO ϕ OF POST
DEPTH 31



SKEG
DEPTH 16 7/8
CONTOUR 1 1/8
LENGTH ALONG CURVE 33 1/4

K1 3'-9 7/8"
K2 4'-0 3/4"
K3 1 7/8"
K4 4'-6 1/8"
K5 3/4"
K6 2'-6"
K7 8 5/8"
K8 11"

WEIGHT 896 lbs.

I.S.C.



Y.R.A.

YACHT NO. 4631

L.O.A. 22'-8 1/2"

MAST FROM B 31'-9"

BOOM LENGTH 14'-7"

JIB STAY FR. B 22'-6"

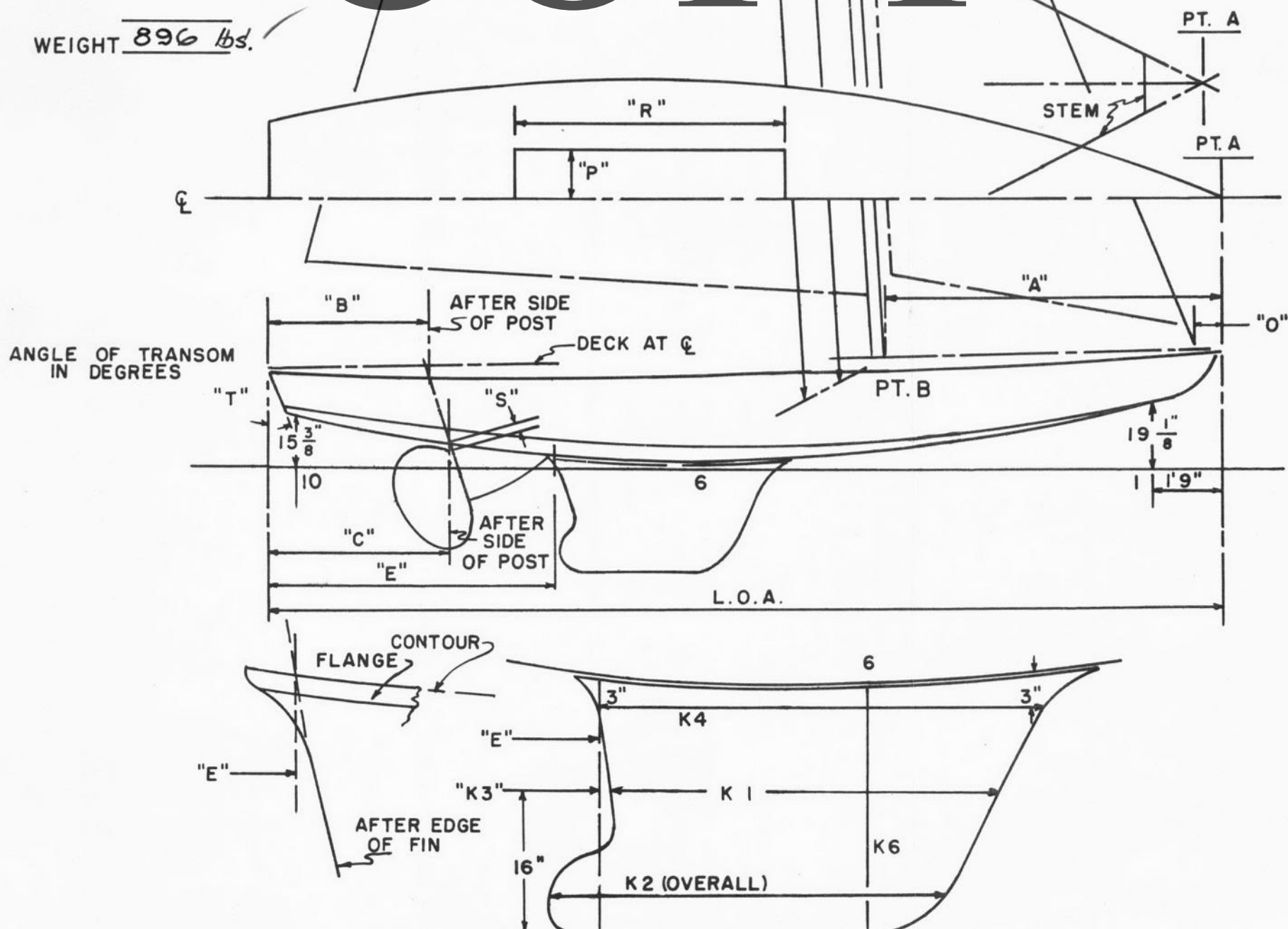
DIMENSION

"A" 90"
"B" 46 5/8"
"C" 51 3/4"
"E" 85 1/4"
"O" 10 3/4"
"P" 12"
"R" 79 1/4"
"S" 1 3/8"
"T" 17°

IS CONSTRUCTION AS PER RULES AND PLANS? yes

IS KEEL WEIGHT CERTIFICATE ATTACHED? yes

"SIDE FLATNESS" 1/8



On May 4th
This cert. was sent
To J. S. T.
with letter
from Helmut Schultz - 4/25/63
4631

12 A Bellevue Rd,
Belmont, N. S. W.
Australia.

11th June 1963.

The Measurement Committee
I. S. C. Y. R. A.
51 East 42nd St.,
New York 17, N. Y.
U. S. A.

Dear Sirs

With reference to your letter dated 4th May 1963,
in which you listed three points from the Measurement
Certificate of Star N° 4631 which did not comply with
the Specifications, the errors have been rectified and the
boat has been re-measured by me.

Due to 'fairing-in' problems the alterations have
affected some adjacent measurements.

The following list notes the modified measurements,
all points not mentioned remain the same as indicated
previously on the original Measurement Certificate.

Contour (2)	—	Previously	$2\frac{5}{8}"$	Now	$14\frac{1}{4}"$ ✓
Contour (3)	—	"	$8\frac{3}{8}"$	"	$10\frac{1}{8}"$ ✓
Contour (4)	—	"	$5\frac{13}{16}"$	"	$6\frac{5}{8}"$ ✓
Chine Height (3)	—	"	$11"$	"	$11\frac{3}{4}"$ ✓
Side Height (3)	—	"	$20\frac{7}{8}"$	"	$20"$ ✓
Chine Half Breadth (3)	—	"	$15\frac{11}{32}"$	"	$15\frac{7}{8}"$ ✓

Yours faithfully,

Helmut Schultz.

MAY 3 1963

*File
in approved
file*

12A Bellesue Rd.,
Belmont.,
New South Wales,
Australia.
25th April 1963.

The Chairman,
Measurement Committee,
Int. Star Class Yacht Racing Ass.,
New York.

COPY

Dear Sir,

I am writing
to you in connection with Star boat No. 4631 which
was measured by me recently.

The dimensions
as indicated by you which did not comply with
the specification, have been re-checked and they
definitely substantiate the previous reading.

It may
interest you to know, that, on further investigation,
out of curiosity as to the reasons for this now
rather obvious mistake, a check of the full size
effects revealed that in copying one of the

latest flat designs, the builder, endeavoring to incorporate some of his own ideas, failed to compensate for the drop in the base line of the flat hull, which he had drawn first, and drew his standard hull contour for the affected stations from the same base line. Thus his tolerance was lowered a further distance equal to half the total original offset. This explains the error.

been though
the plan was apparently checked a number of times by different people, the mistake was not discovered

COPY
The structural alterations required to rectify the error in the boat may take some time, but when completed and requested by the owner, I shall re-measure the points affected by the alterations and notify you accordingly.

Would you please note the change of address.

Yours faithfully,

Helmut Schultz.

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

Report from International Measurement Committee

Star No. 4631
Builder Engert

Owner Engert
Measurer Schultz

The Measurement Certificate for this boat cannot be approved due to the following points which do not comply with the Specifications:

CONTOUR	②	LISTED	$12\frac{5}{8}$	MINIMUM	$13\frac{27}{32}$
"	③	"	$8\frac{3}{8}$	"	$9\frac{7}{32}$
CHINE HEIGHT	③	"	11	"	$11\frac{1}{16}$

COPY

The following action is suggested as indicated by check marks:

☒

The points in question must be remeasured by a Certified Measurer and the results submitted to the Measurement Committee.

☐ OR

The points in question must be altered to conform to the Specifications and then remeasured by a Certified Measurer and submitted to the Measurement Committee.

☐ The boat must be rebuilt to conform to the Specifications and then completely remeasured by a Certified Measurer.

Date 4/5/63

John S. Schultz
International Measurement Committee

Chairman

