

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE**Sec. 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? 50212. Was this number cut or burned into keelson as required above? yes3. Yacht's name " " 4. Year built 19655. By whom built? Eichenlaub Yacht & Marine Service - San Diego, Calif.6. Owner's Name Unknown7. Address "8. Fleet " 9. Remarks Fiberglass construction**CERTIFIED MEASURER'S AFFIDAVIT**

I hereby certify under oath that I personally measured the yacht herein described on the 29th day of December, 1965, 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 January 6, 1966 Signed [Signature]
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 CERTIFICATE**Sec. 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 [Signature]
Chairman International Measurement Committee.

Date 15 July 1966

5021/6

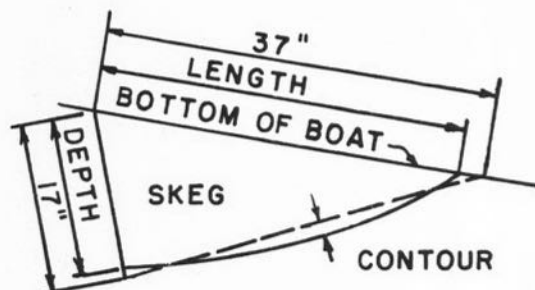
5021

	1	2	3	4	5	6	7	8	9	10
STATIONS	1	2	3	4	5	6	7	8	9	10
HEIGHTS										
CONTOUR	19 1/8	13 7/8	9 5/16	6"	4 3/4	4 1/4	5 5/8	7 1/4	11"	15 3/8
CHINE			11 3/4			8 3/8		10 25/32		17 7/16
SIDE *	13 5/8		20 5/16			20 3/4		17 1/8		10 5/8

* MEASURED ALONG SURFACE OF PLANKING

	1	3	6	8	STERN
STATIONS	1	3	6	8	STERN
HALF BREADTHS					
DECK	8 9/16	24 1/4	32 7/16	31 3/16	19 3/4
CHINE	3 3/4	16 1/8	26 1/2	24 3/4	15 7/8

RUDDER
WIDTH 17 3/4 TO ϕ OF POST
DEPTH 31"



SKEG
DEPTH 16 3/4
CONTOUR 0
LENGTH ALONG CURVE 32"

K1 46"
K2 48 3/4"
K3 2"
K4 54 3/4"
K5 7/8"
K6 30 3/4"
K7 8 5/8"
K8 11 3/4"

WEIGHT 870#

I.S.C.



Y.R.A.

YACHT NO. 5021
L.O.A. 22' 8 3/8"
MAST FROM B 31' 9"
BOOM LENGTH 14' 7"
JIB STAY FR. B 22' 8 1/2"
DIMENSION "A" 9 1/2"
"B" 25 1/4"
"C" 51 3/4"
"E" 84"
"O" 9 1/2" - 12 3/4"
"P" 12 1/8"
"R" 81 1/4"
"S" 3/8"
"T" 15°

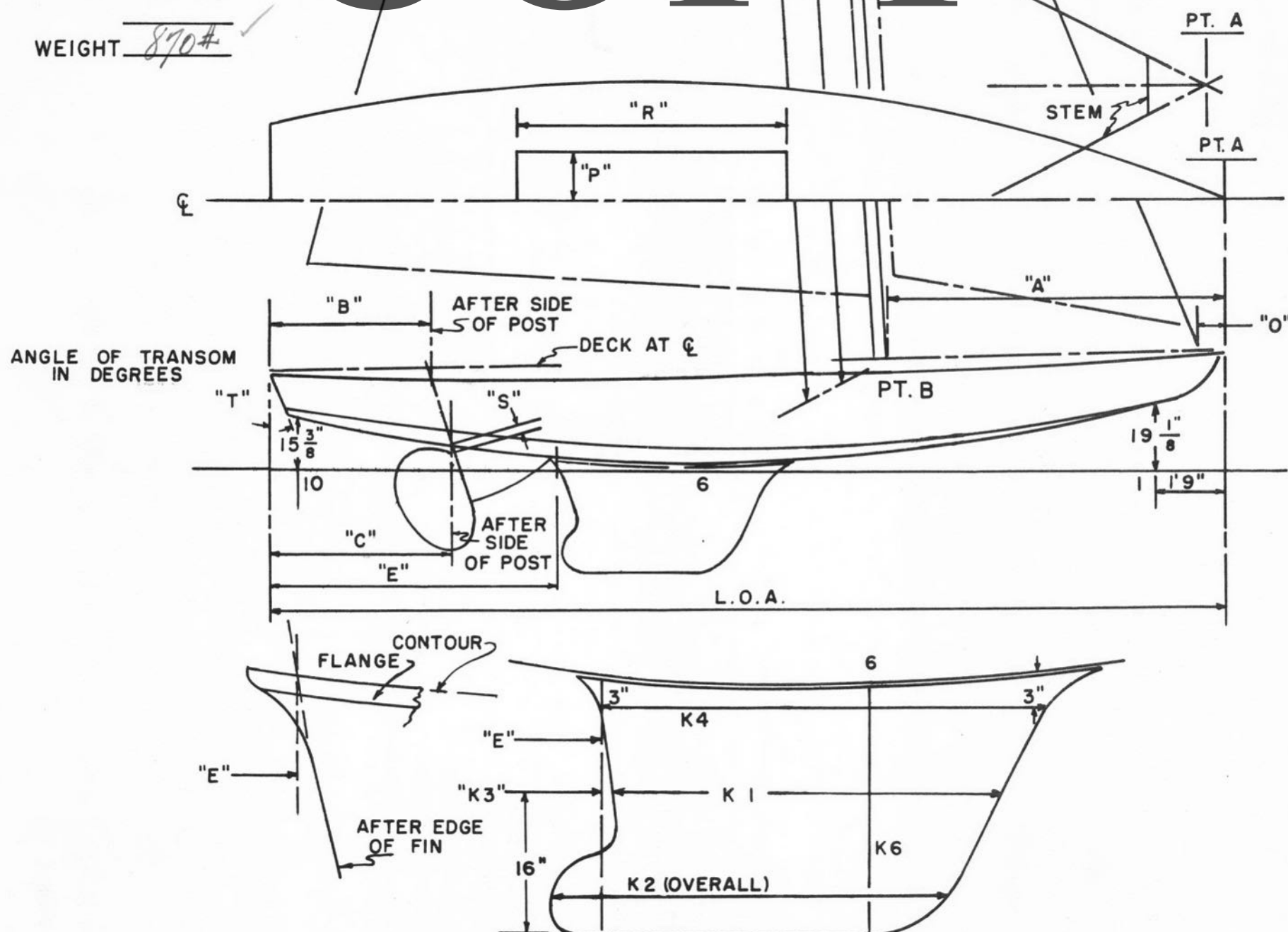
IS CONSTRUCTION AS PER RULES AND PLANS? yes*

IS KEEL WEIGHT CERTIFICATE ATTACHED? yes

"SIDE FLATNESS" O.K.

* Fiberglass construction

Bottom curvature checked with templates per instructions 1/1/66



January 14 1966

Mr Albert W. Daniels
P.O.Box 276
Pine Valley
California 92062

Dear Mr Daniels:

The certificate for the fiberglass Starboat #5021 was returned to the Central Office today not approved for the following reasons.

Keel Height (6) listed $4\frac{1}{4}$, Maximum $4-1/8$

Boat must have this corrected before other hull dimensions may be checked.

Also we did not receive the Builder's Specifications as to the construction method of this fiberglass Star.

May we hear from you soon, so that we may get this Star Certified.

Sincerely yours

Ethel E Horton
Corresponding Sec'y
I.S.C.Y.R.A

cc Carl Eichenlaub

ALBERT W. DANIELS
LICENSED LAND SURVEYOR

P.O. BOX 276—PINE VALLEY, CALIFORNIA 92062
PHONE 473-8495
January 6, 1966

OFFICIAL MEASURER
CCA, ISCYRA, ILCA

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

Subject: Star Boat No. 5021 (Fiberglass construction)

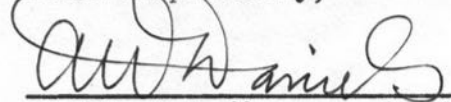
Gentlemen:

I am forwarding herewith certificate for Star No. 5021, the first Star Boat of fiberglass construction to be measured by me. To date I have not received any special instructions dealing with type of construction. (I understand that it has been approved by the association) Will there be some amended specifications forthcoming ?

The enclosed certificate forms ~~and~~ are the last of my supply. Will you please send me a new supply.

The fiberglass Star Boat was constructed in accordance with the specifications set up by UNICOR INC. (Non Metallic Structural Core. 15557 South Garfield Avenue , Paramount, California (Phone 774-1143 Area Code 213)

Yours respectfully;



A.W. Daniels Measurer San Diego

ALBERT W. DANIELS
LICENSED LAND SURVEYOR

P.O. BOX 276—PINE VALLEY, CALIFORNIA 92062
PHONE 473-8495

January 24, 1966

OFFICIAL MEASURER
CCA, ISCYRA, ILCA

JAN 31 1966

International Star Class Yacht Racing Association
51 E. 42nd St New York ,N.Y. 10017
International Measurement Committee

Attention: Ethel E. Horton

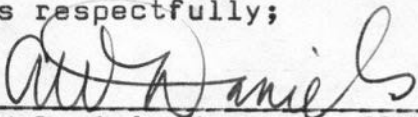
Subject: Starboat No.5021 rejection

Ref: Your letter
1/14/66

In reply to your letter of January 14 concerning
subject Starboat I would respectfully point out that
extreme precision of measurement at Station 6 on a
Starboat for keel height is extremely difficult to
obtain. The enclosed sketch illustrates the method I
use in obtaining this measurement. I have made periodic
checks of the castings used by the builder and have found
that the flange dimension is fairly consistant ie 5/8 "
The claim of the builder in this case is that Starboat
No 5021 of fiberglass construction, the relative position of
the keel flange with respect to the bottom curve is not
quite the same as that in a conventional planked wooden
hull. This I am unable to confirm, however, I have no way
of proving that the measurement taken is accurate within
1/8" I could be in error. Eichenlaubs boats have measured
4 inches consistantly at this station for keel height.
The builder states that Starboat No. 5016 which apparently
measured in O.K. was used as a "plug" for Starboat No.5021
hence there should be no difference in their measurements.

Yours respectfully;

cc: Carl Eichenlaub


A.W.Daniels Measurer SDYC

6"

Bottom curve

added

3 5/8"

faring

4 1/4"

4 1/4"

total keel ht.?

3 5/8" (measured)

Point at which measurement is taken

steel base wire

COPY

STARBOAT N^o 5021

and Anne S

S.D.Y.C.

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

Report from International Measurement Committee

Star No. 50 Y 1

Owner X-1

Builder EICHENLAUB

Measurer DANIELS

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

KEEL HEIGHT ⑥ 4 1/4" MAXIMUM 4 1/2"

BOAT MUST have this corrected before other hull dimensions may be checked.

Did we receive Specs - ?

COPY

FEEL
Show to
F. Gordon

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.
- ☐ 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 _____

Chairman
International Measurement Committee

NATIONAL STEEL AND SHIPBUILDING COMPANY #5021

MAIN PLANT AND ADMINISTRATION OFFICES:
HARBOR DRIVE AND TWENTY-EIGHTH STREET
SAN DIEGO, CALIFORNIA 92112

TELEPHONE 239-8061

2/10/64

INVOICE No. 40476

DATE IN	WORK ORDER NUMBER	CUSTOMERS ORDER NUMBER	PICK UP	PREPAID	COLLECT	AUTHORIZED BY
1/24/64	4000-85		XX			P.A. GRIMARD

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- EICHENLAUB MARINE & YACHT
- 2608 SHELTER ISLAND DR.
- SAN DIEGO, CALIFORNIA

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QUANTITY	PART NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
1	ea	STARBOAT KEEL 870# (Fiberglass War)		200.00
		yacht # 5021		
		THE ABOVE WEIGHT IS CERTIFIED TO BE CORRECT.		
		<i>P. Grimard</i>		
		P.A. GRIMARD		
		7708		
TERMS: NET CASH			SALES TAX	
RESALE			TOTAL DUE	200.00
YES ☒ NO ☐				

All agreements contingent upon strikes, accidents, delays of carriers or other causes beyond our control.

RECEIPT OF ABOVE MERCHANDISE IN GOOD
CONDITION IS HEREBY ACKNOWLEDGED

BY: _____

ORIGINAL