

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? 49132. Was this number cut or burned into keelson as required above? CUT3. Yacht's name "FROLIC" 4. Year built 19645. By whom built? OWNER6. Owner's Name WILLIAM E. BUCHAN7. Address 7228 WEST MERCER WAY, MERCER ISLAND, WASH.8. Fleet PUGET SOUND 9. Remarks**CERTIFIED MEASURER'S AFFIDAVIT**

I hereby certify under oath that I personally measured the yacht herein described on the FIFTH day of OCTOBER, 1964, 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 OCTOBER 5, 1964 Signed Robert C. Drum

Certified Star Measurer

ROBERT C. DRUM

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.

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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.

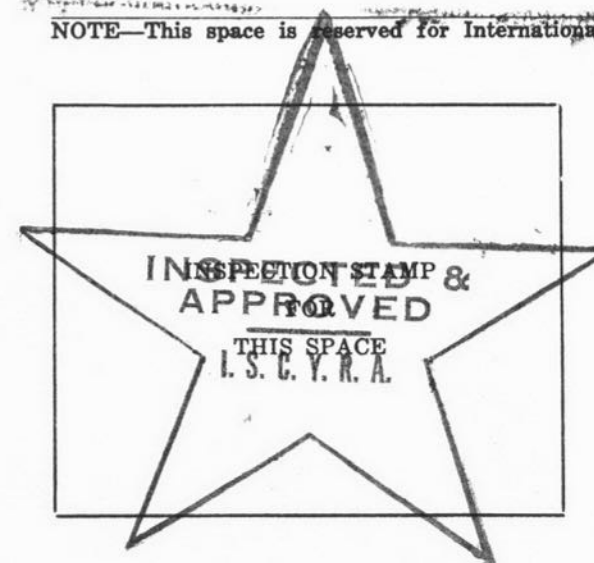
SEC. D.

—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 _____ Chairman International Measurement Committee.

Date October 17, 1964

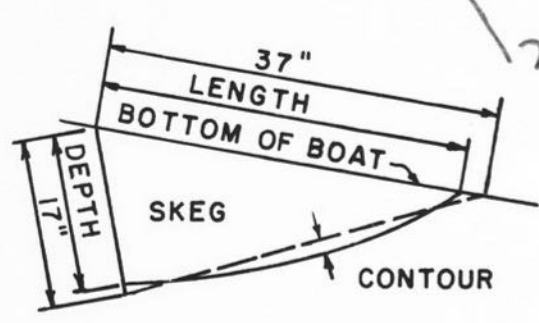
Contour at 6 obtained by drilling as outlined in instructions.

HEIGHTS										
STATIONS	1	2	3	4	5	6	7	8	9	10
CONTOUR	19 1/8	14	10	6 1/16	3 15/16	4 1/8	4 3/4	7 3/4	11 1/4	15 3/8
CHINE			12 3/32			9 1/16		12 3/8		17 3/8
SIDE *	13 7/16		20 5/32			21 17/32		17 9/32		10 1/32

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

HALF BREADTHS				
STATIONS	1	3	6	8 STERN
DECK	8 3/32	24 1/16	34 1/16	31 1/32 19 7/8
CHINE	3 3/4	16 1/8	26 1/32	24 27/32 16 5/16

RUDDER
WIDTH 17 1/4
DEPTH 30 1/2
TO C OF POST



SKEG
DEPTH 16
CONTOUR 28 1/4
LENGTH ALONG CURVE 28 1/4

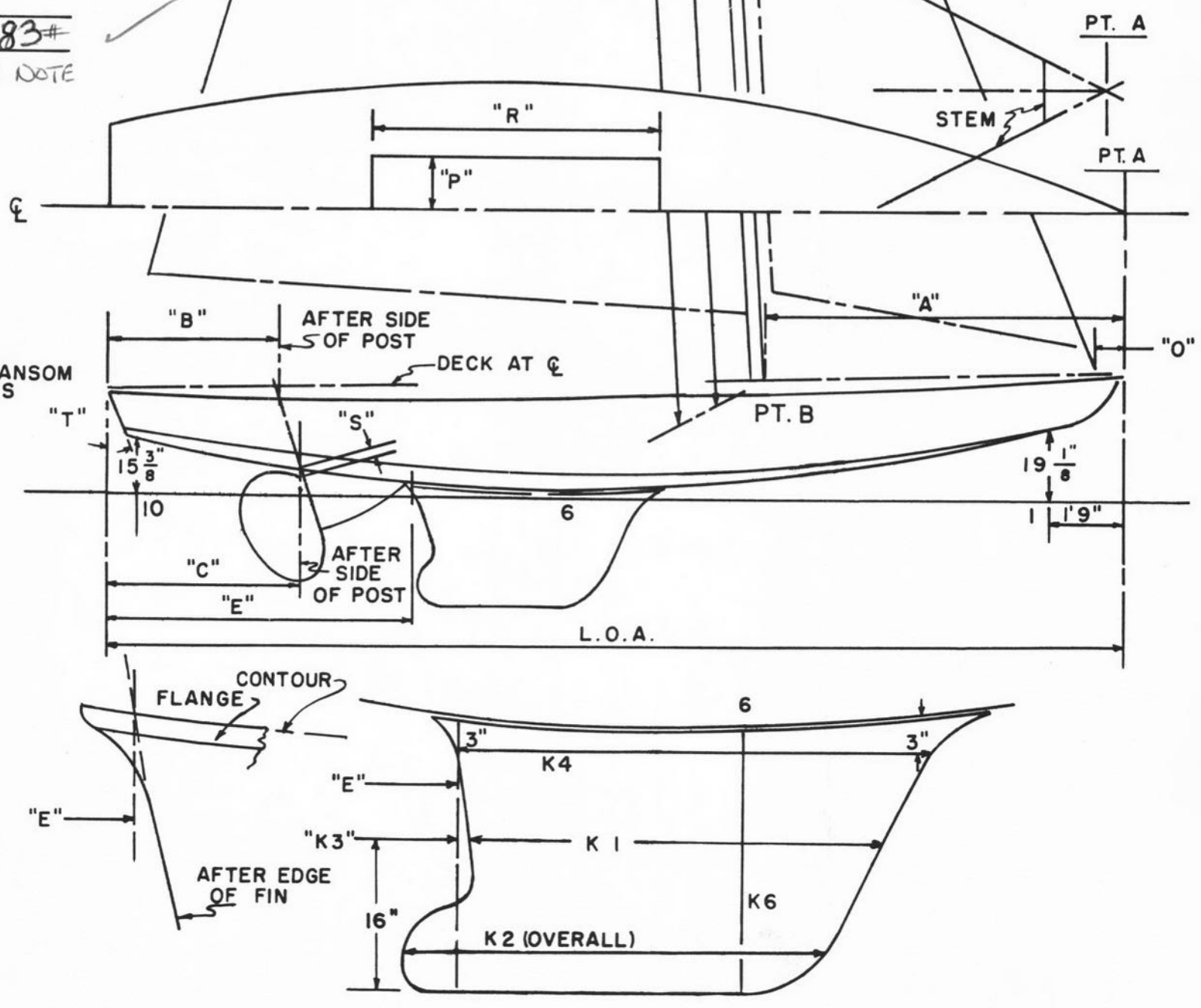
- K1 45 ✓
- K2 49 1/2 ✓
- K3 2 1/2 ✓
- K4 53 1/2 ✓
- K5 15/16 ✓
- K6 30 3/8 ✓
- K7 7 13/16 ✓
- K8 11 3/4 ✓

WEIGHT 883#
SEE NOTE

YACHT NO.	<u>4913</u>
L.O.A.	<u>22'-8"</u>
MAST FROM B	<u>31'-8 15/16"</u>
BOOM LENGTH	<u>14'-6 5/16"</u>
JIB STAY FR. B	<u>22'-7 5/16"</u>
DIMENSION "A"	<u>8'-0 3/4"</u>
"B"	<u>46 7/8"</u>
"C"	<u>52 1/4"</u>
"E"	<u>84 1/8"</u>
"O"	<u>11 3/16"</u>
"P"	<u>11 3/4"</u>
"R"	<u>80"</u>
"S"	<u>1/16"</u>
"T"	<u>16°</u>

IS CONSTRUCTION AS PER RULES AND PLANS? YES
IS KEEL WEIGHT CERTIFICATE ATTACHED? NO-SEE NOTE
"SIDE FLATNESS" OK

COPY



Note: Keel wt. certificate from Nat'l. steel will be filed under separate cover.



3009

NATIONAL STEEL AND SHIPBUILDING COMPANY

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

TELEPHONE 239-8061

INVOICE No. 41843

DATE IN	WORK ORDER NUMBER	CUSTOMERS ORDER NUMBER	PICK UP	PREPAID	COLLECT	AUTHORIZED BY
5/16/69	4000-192		X			P.A. GRIMARD

SOLD TO

ELCHENLAUB MARINE & YACHT
2606 BYRON ST,
SAN DIEGO, CALIFORNIA

SHI
F
T
O

QUANTITY	PART NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
1	EA	STAR BOAT KEEL 883#		
THE ABOVE WEIGHT IS CERTIFIED TO BE CORRECT.				
COPY P. Brumby #H913				
TERMS: NET CASH RESALE YES ☐ NO ☐			SALES TAX	
All agreements contingent upon strikes, accidents, delays of carriers or other causes beyond our control.			TOTAL DUE	

RECEIPT OF ABOVE MERCHANDISE IN GOOD
CONDITION IS HEREBY ACKNOWLEDGED

BY:

ORIGINAL