

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

Sec.A. Description of Measured Yacht

1. Yacht's Number #6920
2. Number Molded Or Cut Into Keelson? YES
3. Yacht Name Barnstorm
4. Year Built 1983
5. Builder Melges Boat Works, Inc.
6. Owner Charles Barnes
7. Address 2511 Bruce Dr., Kalamazoo, MI 49008
8. Fleet
9. Remarks

Sec.B. Declarations

1. To Be Signed By Builder:

I Certify that this yacht has been constructed in accordance with the current plans and specifications of the I.S.C.Y.R.A.

Print Name Harry C. Melges, Jr.

Signed [Signature] Date 6-10-83

2. To Be Signed By Outfitter: (If Other Than Builder)

I Certify that this yacht is, to the best of my knowledge, fitted out in accordance with the current plans and specifications of the I.S.C.Y.R.A.

Print Name

Signed Date

3. To Be Signed By Certified Star Class Measurer:

I Certify that I have measured the following items on this yacht, that the particulars on this form are correct, and that to the best of my knowledge this yacht complies with the rules of the I.S.C.Y.R.A. at present in force, unless noted in a letter, attached.

Items 1-8 Hull, Rudder, Skeg, Keel

Print Name James A. Smith

Signed [Signature] Date 5/18/83

Item 9 Spars and Yacht Weight (Fleet or Class Officer Accepted)

Print Name James A. Smith

Signed [Signature] Date 5/18/83

4. To Be Signed By Owner When Yacht Is Either Sold Or Structurally Altered.

I Certify that no alterations have been made to this yacht since original date of measurement, unless a rider describing measurements is attached.

Signed Date

Sold To: Of

Return This Certificate For Renewal - See Sec D.3.

PRINTED IN U.S.A.

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Sec. C.

Instructions 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 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, and file both copies with International Measurement Committee. In the case when all dimensions are not available, file one copy with I.M.C. and forward one copy to owner who becomes responsible for obtaining completion of measurements.
3. Declarations must be signed by the builders and/or outfitters as well as the measurers.
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.

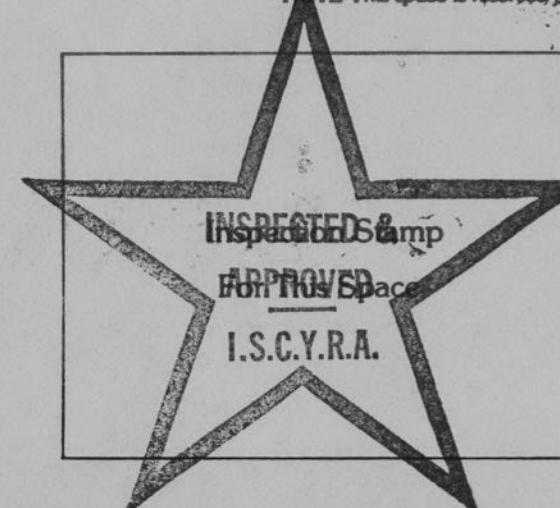
Sec. D.

Conditions Under Which Certificate 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 International 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 International 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 VI.
3. This Certificate should be renewed when yacht is altered or sold. For renewal, send this Certificate and \$10.00 to International Measurement Committee, with notation as to any changes in Section A, or Section E.
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 William V. Richards
Chairman International Measurement Committee.

Date 1983-06-18

SECTION E

2 HEIGHTS*

STATIONS	1	2	3	4	5	6	7	8	9	10
KEEL	486	362	254	175	125	105	133	200	287	390
CHINE			315			232		298		445
SIDE	825		795			750		722		693
BOT.ARC										

*MEASURED FROM BASE LINE

3 HALF BREADTHS

STATIONS	1	3	6	8	STERN
DECK	197	607	852	787	492
CHINE	89	402	671	623	409

4 RUDDER FITS TEMPLATE? YES

THICKNESS 29 POST DIA 25

5 SKEG DEPTH 415

" LENGTH OK

" CONTOUR 25

6 KEEL DIMENSIONS

K1	1153	K10	OK
K2	1223	K11	OK
K3	40	K12	OK
K4	1375	K13	OK
K5	25	K14	OK
K6	765		
K7	220		
K8	305		
K9	805		

7 WEIGHTS*

KEEL (WITH FINISH) _____

890 #

HULL (AS MOLDED) _____

423 #

8 BUOYANCY

CONTAINED IN HULL 12

ADDITIONAL 27 #

☐ TANKS

☒ COMPARTMENTS

☐ CLOSED CELL FOAM

I.S.C.★Y.R.A.

(Metric Measurements Preferred)

1 HULL MEASUREMENTS

YACHT NO. 6920

WOOD OR G.R.P. GRP

L.O.A. 6923

DIMENSION "A" 4565

" "B" 1192

" "C" 1284

" "E" 2137

" "P" 1975

" "R" 308

" "S" 10

" "T" 16 1/2 °

CHINE RADIUS OK? OK

STEM RADIUS OK? OK

SIDE FLATNESS OK? OK

9 SPARS & YACHT WEIGHT

Pt B TO UPPER MAST BAND _____

9650

Pt B TO JIB STAY 6905

BOOM LNG 4445

MAST TIP WT. 15 1/2 #

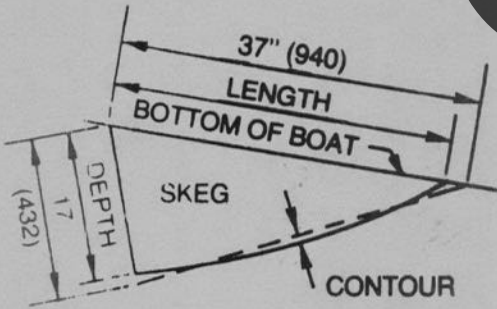
DIMENSION "O" 6645

YACHT WEIGHT 1475 #

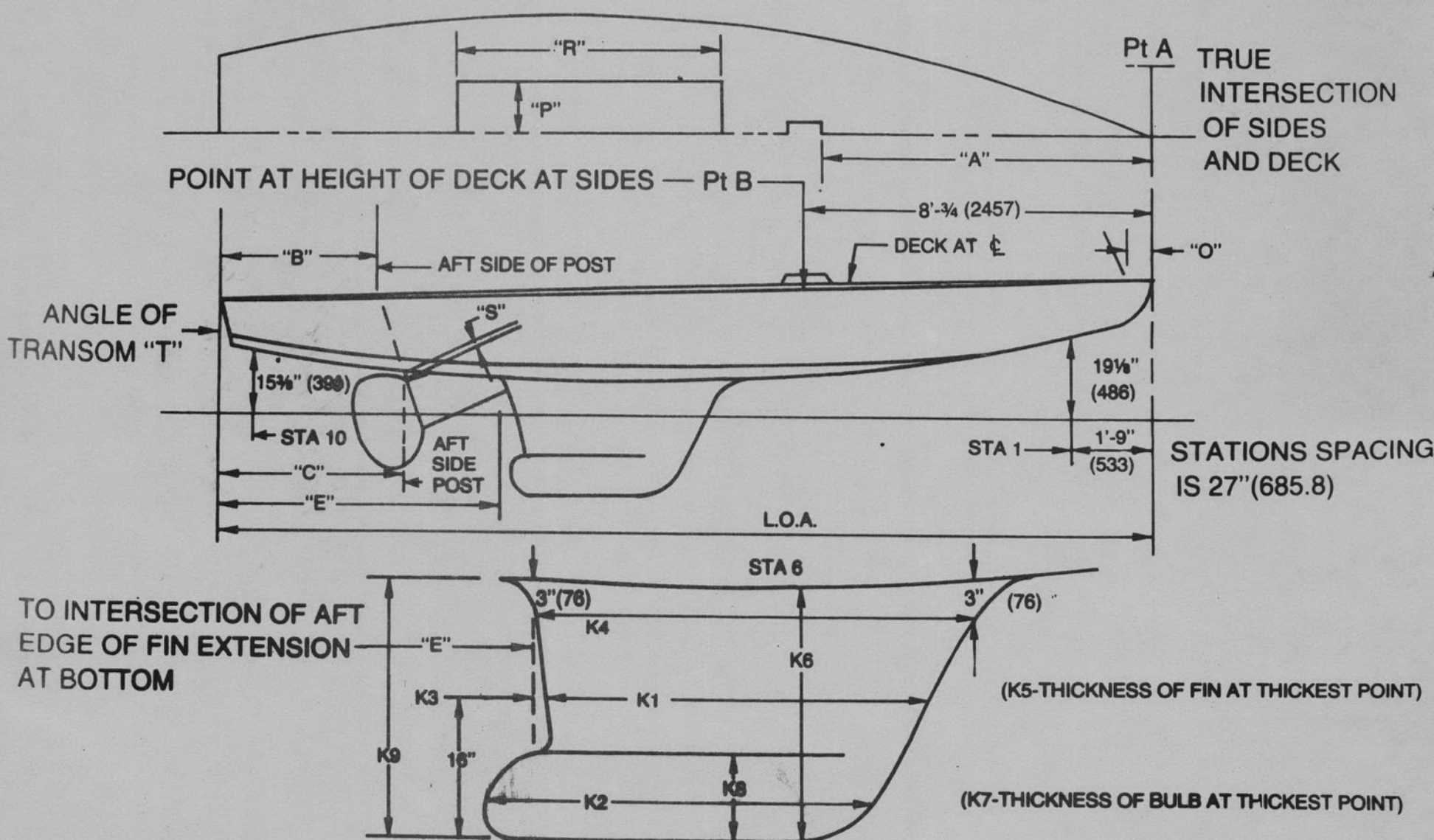
ADDED WEIGHT 5 #

TOTAL WEIGHT 1480 #

COPY



*IS ISCYRA WEIGHT CERTIFICATE ATTACHED? YES



YACHT NUMBER

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

6920

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.)

COPY

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

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

NOV 1 1988

CENTRAL OFFICE

CHARLES BARNES

Owner's Name

Charles W. Barnes

Owner or Representative's Signature

8/18/88

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.

JACK RICHARD

Witness's Name and Title

ISCYRA TREAS

J. Richard

Witness' Signature

8/18/88

Date

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

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

*Duplicate
Issued
5-15-98
MLA*

YACHT NUMBER 6920
Builder Melges Boat Works, Inc Year Built 1983
Builder's Hull Number MEB-05163-0483 Construction Material GRP
Type and location of yacht number in hull in keelson
Yacht Name _____ Fleet Full Lake
Owner William Rantz
Address 9516 West D Avenue, Kalamazoo MI 49009 USA
Remarks _____

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 James A. Smith
Signed James A. Smith Date 5-18-83
(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 Harry C. Melges, Jr.
Signed Harry C. Melges, Jr. Date 6-10-83
(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)

International Star Class Yacht Racing Association

WEIGHT CERTIFICATE
(Metric Measurements Preferred)

A	Builder's Hull No. <u>MEB 05163 0483</u>
	Yacht No. <u>6920</u>
B	Hull Less Skeg <u>423 #</u>
	Hull with Skeg <u>428 #</u>
C	Keel Less Finish <u>885 #</u>
	Keel with Finish <u>890 #</u>

I certify that the hull and keel weights shown were measured on a balance scale, or spring scale, or an electric load cell, (underline one) which has been calibrated within the last year to $\frac{1}{2}$ of 1%.

Builder must fill in at least one item in each of A, B, and C, and sign

Date 16-10-83

Signed Henry Chelzef

D	Yacht weight with Rig <u>1475 #</u>
	Added Weight <u>5 #</u>
	(Describe type and location)

I certify that the yacht weight shown is measured on a balance scale, or spring scale, or an electric load cell (underline one) which has been calibrated within the last year to $\frac{1}{2}$ of 1%. Builder, Outfitter or Owner must sign

Date 16-10-83

Signed Henry Chelzef