

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

Sec.A. Description of Measured Yacht

1. Yacht's Number 6263
2. Number Molded Or Cut Into Keelson? YES
3. Yacht Name _____
4. Year Built 1978
5. Builder MILLER MARINE CONST. BAINBRIDGE ISL. WA.
6. Owner BENGT T. HELLSTEN
7. Address 21500 CALLEDELBARCO, MALIBU, CALIF.
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 EARL MILLER

Signed Earl Miller Date 1/25/78

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 DAVID LEWIS

Signed David Lewis Date 1/25/78

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 DES SESSINGHAUS

Signed: D.F. Sessinghaus Date 1/25/78

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

Print Name DES SESSINGHAUS

Signed: D.F. Sessinghaus Date 1/25/78

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 \$5.00 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 1978 - March 3

SECTION E

2 HEIGHTS*

STATIONS	1	2	3	4	5	6	7	8	9	10
KEEL	486	354	243	164	113	96	120	184	279	390
CHINE			308			228		303		449
SIDE	818		795			750		721		681
BOT.ARC			OK			OK		OK		OK

*MEASURED FROM BASE LINE

3 HALF BREADTHS

STATIONS	1	3	6	8	STERN
DECK	205	608	863	790	486
CHINE	95	410	674	632	414

4 RUDDER FITS TEMPLATE? YES

THICKNESS 29 POST DIA 25.4

5 SKEG DEPTH 420

" LENGTH 940

" CONTOUR NONE

6 KEEL DIMENSIONS

K1	1160
K2	1215
K3	35
K4	1375
K5	23
K6	765
K7	222
K8	308
K9	802

7 WEIGHTS*

KEEL (WITH FINISH) YES
873 LBS

HULL (AS MOLDED) _____
431 LBS WITH SKEG

8 BUOYANCY

CONTAINED IN HULL 0.369 CU. METER
ADDITIONAL TOTAL 1.053 M³

☐ TANKS

☒ .78 ☒ COMPARTMENTS

☒ .273 ☒ CLOSED CELL FOAM

CUBIC METERS

TOTAL BOUYANCY

1.053 cubic METERS

1 HULL MEASUREMENTS

YACHT NO.	<u>6263</u>
WOOD OR G.R.P.	<u>GRP</u>
L.O.A.	<u>6932</u>
DIMENSION "A"	<u>2360</u>
" "B"	<u>1155</u>
" "C"	<u>1328</u>
" "E"	<u>2121</u>
" "P"	<u>305</u>
" "R"	<u>1962</u>
" "S"	<u>8</u>
" "T"	<u>15 1/2°</u>

CHINE RADIUS OK? YES

STEM RADIUS OK? YES

SIDE FLATNESS OK? YES

9 SPARS & YACHT WEIGHT

Pt B TO UPPER MAST BAND _____

9652

Pt B TO JIB STAY 6934

BOOM LNG 4445

MAST TIP WT. 15 1/2 LBS

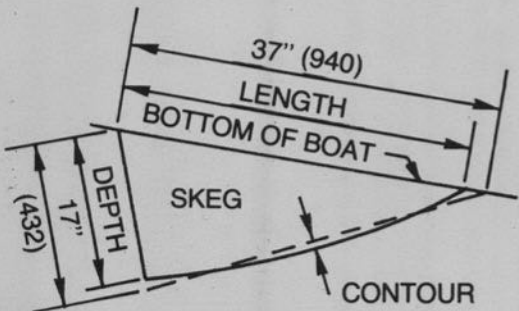
DIMENSION "O" 305

YACHT WEIGHT 1480 LBS

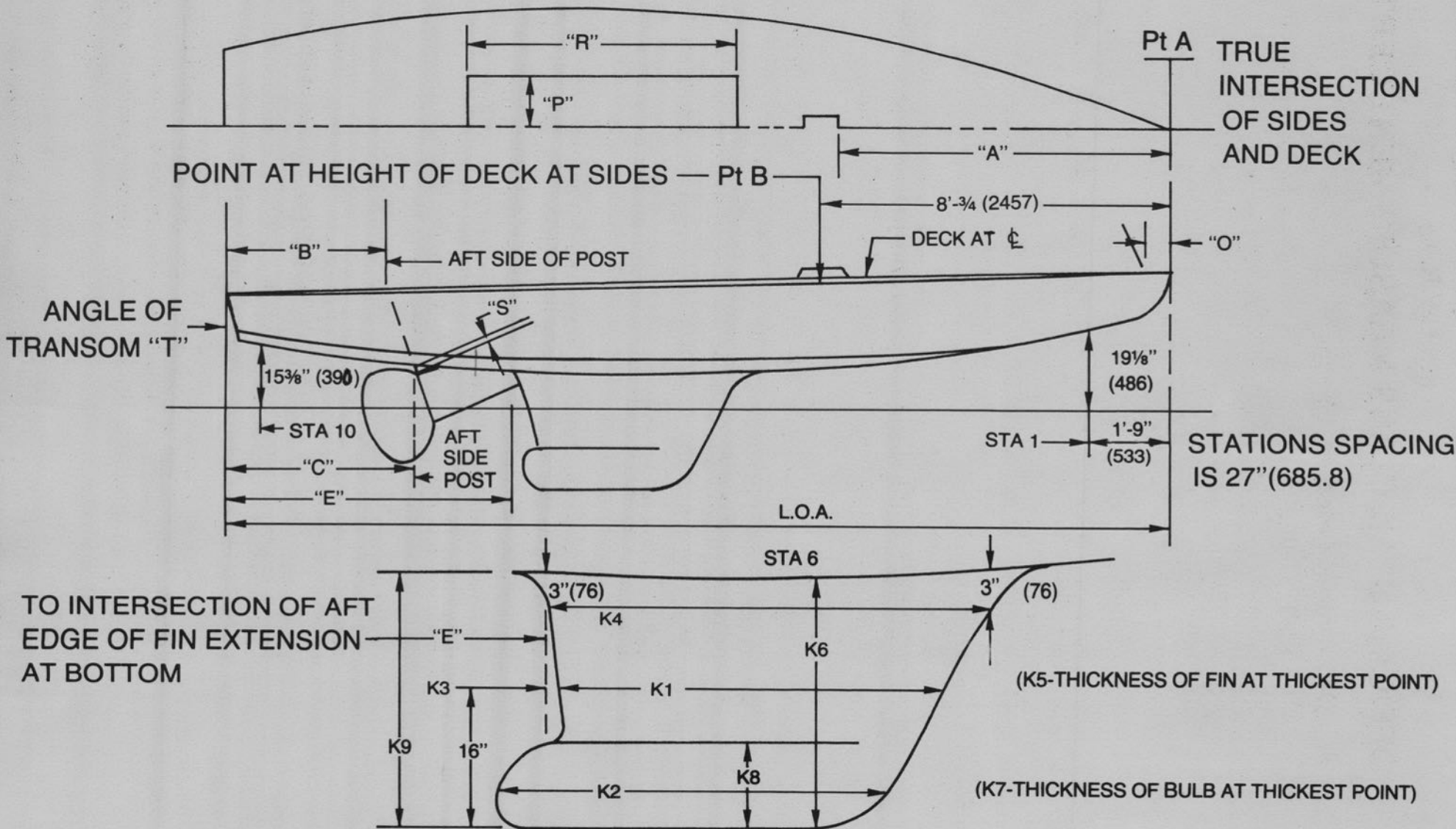
ADDED WEIGHT NONE

TOTAL WEIGHT 1480 LBS

COPY



* IS ISCYRA WEIGHT CERTIFICATE ATTACHED? YES



I.S.C. ★ Y.R.A.

Buoyancy Test Certificate

For Owner of Yacht No. 6263
 Owner's Name BENGT HELLSTEN
 Date Yacht Acquired 1/16/78
 Former Owner NEW

1. Each owner must obtain a Buoyancy Test Certificate upon acquiring a new or used yacht by conducting a Buoyancy Test. Prior owner's Certificate is not transferable.
2. Test must be conducted by owner or his representative and shall be witnessed by a Fleet or Class Officer, or Certified Star Measurer.
3. Yacht with rig and all normal racing equipment except sails shall be swamped on a hoist. Boat shall remain afloat, with slack hoist and mooring lines, for 10 minutes.
4. Complete Certificate in duplicate. Witness sends one copy to I.S.C.Y.R.A., owner shall retain other copy.
5. Describe additional flotation equipment, other than hull structure.
 (Mention type, size, location, etc.)

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

BENGT HELLSTEN [Signature] Aug 1/78
 Owner's Name Owner's Signature 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 5 above.

STEPHEN M. CARLSON L.A. SEC. [Signature] Dec 31, 1978
 Witness' Name and Title Witness' Signature Date

Copies 626

2132 North Winnifred St.
Tacoma, Wa. 98406
Feb 23, 1978

William V. Richards
International Star Class
Yacht Racing Association
1545 Waukegan Road
Glenview, Ill. 60025

I.S.C.Y.R.A.
FEB 27 1978
CENTRAL OFFICE

Sorry that I failed to list buoyancy data in the proper manner. I have corrected this on the certificates after figuring what volume is contained in the core material. Am enclosing a breakdown of this data, as you requested.

One keel is 5mm too long at the top part (K4). Actually this was finished before the new tolerances were known to the builder. I should have made note of this, I now realize.

Since receiving your note concerning the bottom radius, I have checked the mold plug, as well as two new hulls for radius. I used the aluminum templates, and they fit OK. Of course at Station 6 one must not slide all the way into the keel casting flange area. Station 8 is a contact fit, and No 10 is somewhere between min. and max. radius.

Des Sessinghaus
measurer

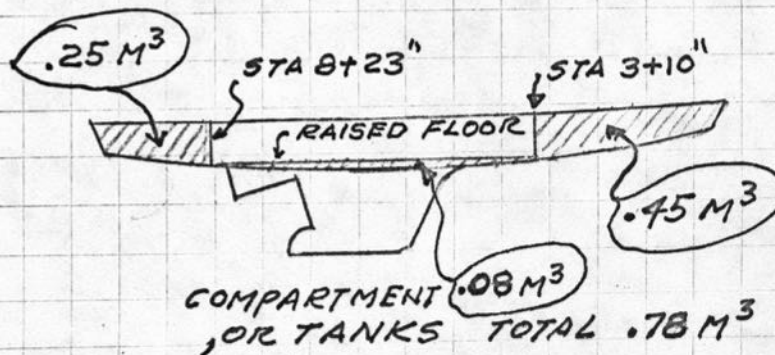
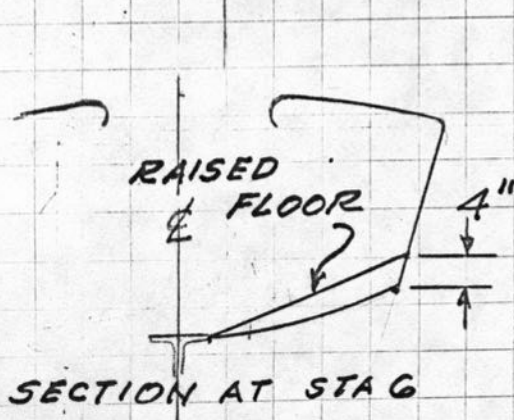
MILLER MARINE, BAINBRIDGE ISLAND, WASHINGTON

CLOSED CELL FOAM VOLUME (ALSO BALSA .082 M³)
CONTAINED IN SKIN SANDWITCH

DESCRIPTION	AREA SQ. IN.	FOAM THICKNESS	CUBIC INCH	CUBIC METER
SIDES	9380	1/2" FOAM	4690	.076
BOTTOM BETWEEN STA 3+10" AND 8+23"	6700	(BALSA) 3/4"	5025	.082
BOTTOM REMAINDER AT BOW AND STERN	3276	1/2" FOAM	1638	.026
DECK MINUS A 4 1/2" STRIP AT EDGES	9200	3/8" FOAM	3450	.056
BULKHEAD STA. 3+10"	860	3/8" FOAM	322	.005
BULKHEAD STA. 8+23"	730	3/8" FOAM	273	.004
RAISED FLOOR	3700	3/8" FOAM	1387	.022
TRANSOM	336	1/2" FOAM	168	.002
TOTAL AREA 31182		TOTAL FOAM AND BALSA		.273

AVERAGE GLASS THICKNESS
INCLUDING BOTH SIDES → .1875"
OF SANDWITCH.

TOTAL GLASS 5846 CU. IN. = OR = .096 M³
TOTAL ALL .369 M³



D. Sessinghaus
MEASURER

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

Report from International Measurement Committee

Star No. 6263

Owner HELLSTEN

Builder MULLER

Measurer SESSINGHAUS

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

Ditto 6224 - Buoyancy

COPY

*NOTE: THIS KEEL FITS THE NEW GUIDELINE
DIMENSIONS OK.*

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 FEB 9 1978

W. Richards Chairman
International Measurement Committee

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

Report from International Measurement Committee

Star No. 6263
Builder MULLER

Owner HELDEN
Measurer SESSINGHAUS

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

Ditto 6224 - Buoyancy

COPY

Return Certificate with changes

*NOTE: THIS KEEL FITS THE NEW GUIDELINE
DIMENSIONS OK.*

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 FEB 9 1978

W. Richards Chairman
International Measurement Committee

International Star Class Yacht Racing Association

WEIGHT CERTIFICATE
(Metric Measurements Preferred)

A	Builder's Hull No.	<u>MMRST0281277</u>
	Yacht No.	<u>6263</u>
B	Hull Less Skeg	<u>422</u>
	Hull with Skeg	<u>431</u>
C	Keel Less Finish	<u>865</u>
	Keel with Finish	<u>873</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 with in 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 1-25-78 Signed David Lewis

D	Yacht Weight with Rig	<u>1480</u>
	Added Weight	<u>0</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 1-25-78 Signed David Lewis