

## OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

## Sec.A. Description of Measured Yacht

1. Yacht's Number 6176  
2. Number Molded Or Cut Into Keelson? MOLDED  
3. Yacht Name MOIRA  
4. Year Built 1977  
5. Builder L. MADER, FISCHING  
6. Owner LWE V. BELOW  
7. Address MARIA-LOUISEN-STR. 119, 2 HAMBURG  
8. Fleet HAMBURG  
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 LEONHARD MADER  
Signed 8221 FISCHING BEL WACHING AM SEE Date 13 July 1977

## 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 LEONHARD MADER  
Signed 8221 FISCHING BEL WACHING AM SEE Date 13 July 1977

## 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 Krieger  
Signed Krieger Date 13 July 1977

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

Print Name Krieger  
Signed Krieger Date 13 July 1977

## 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.

## OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

## 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 3 Sept 1977



SECTION E

2 HEIGHTS\*

| STATIONS | 1   | 2   | 3    | 4   | 5   | 6    | 7   | 8    | 9   | 10   |
|----------|-----|-----|------|-----|-----|------|-----|------|-----|------|
| KEEL     | 486 | 357 | 253  | 176 | 125 | 106  | 134 | 197  | 286 | 390  |
| CHINE    |     |     | 306  |     |     | 230  |     | 301  |     | 452  |
| SIDE     | 826 |     | 784  |     |     | 749  |     | 713  |     | 687  |
| BOT.ARC  |     |     | O.K. |     |     | O.K. |     | O.K. |     | O.K. |

\* MEASURED FROM BASE LINE

3 HALF BREADTHS

| STATIONS | 1   | 3   | 6   | 8   | STERN |
|----------|-----|-----|-----|-----|-------|
| DECK     | 206 | 615 | 860 | 784 | 498   |
| CHINE    | 95  | 406 | 673 | 627 | 406   |

4 RUDDER FITS TEMPLATE? yes

THICKNESS 27 POST DIA 25,4

5 SKEG DEPTH 415  
" LENGTH 700  
" CONTOUR 17

6 KEEL DIMENSIONS

K1 1152  
K2 1225  
K3 45  
K4 1370  
K5 25  
K6 753  
K7 222  
K8 296  
K9 803

7 WEIGHTS\*

KEEL (WITH FINISH) \_\_\_\_\_  
401 kg  
HULL (AS MOLDED) \_\_\_\_\_  
222,5 kg + 2,5 kg (SKEG)

8 BUOYANCY

CONTAINED IN HULL 0,34 m<sup>3</sup>  
ADDITIONAL 0,58 m<sup>3</sup>  
☒ TANKS  
☒ COMPARTMENTS  
☒ CLOSED CELL FOAM

I.S.C.★Y.R.A.

(Metric Measurements Preferred)

1 HULL MEASUREMENTS

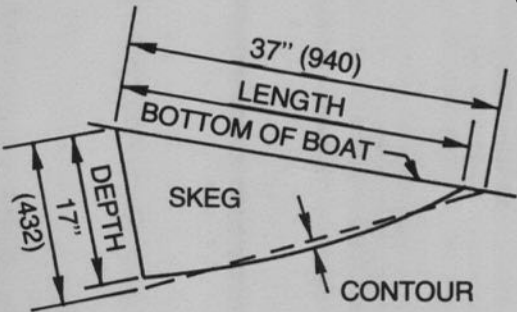
YACHT NO. 6176  
WOOD OR G.R.P. G.R.P.  
L.O.A. 6925  
DIMENSION "A" 2358  
" "B" 1155  
" "C" 1318  
" "E" 2131  
" "P" 305  
" "R" 1965  
" "S" 5  
" "T" 17°

CHINE RADIUS OK? yes  
STEM RADIUS OK? yes  
SIDE FLATNESS OK? yes

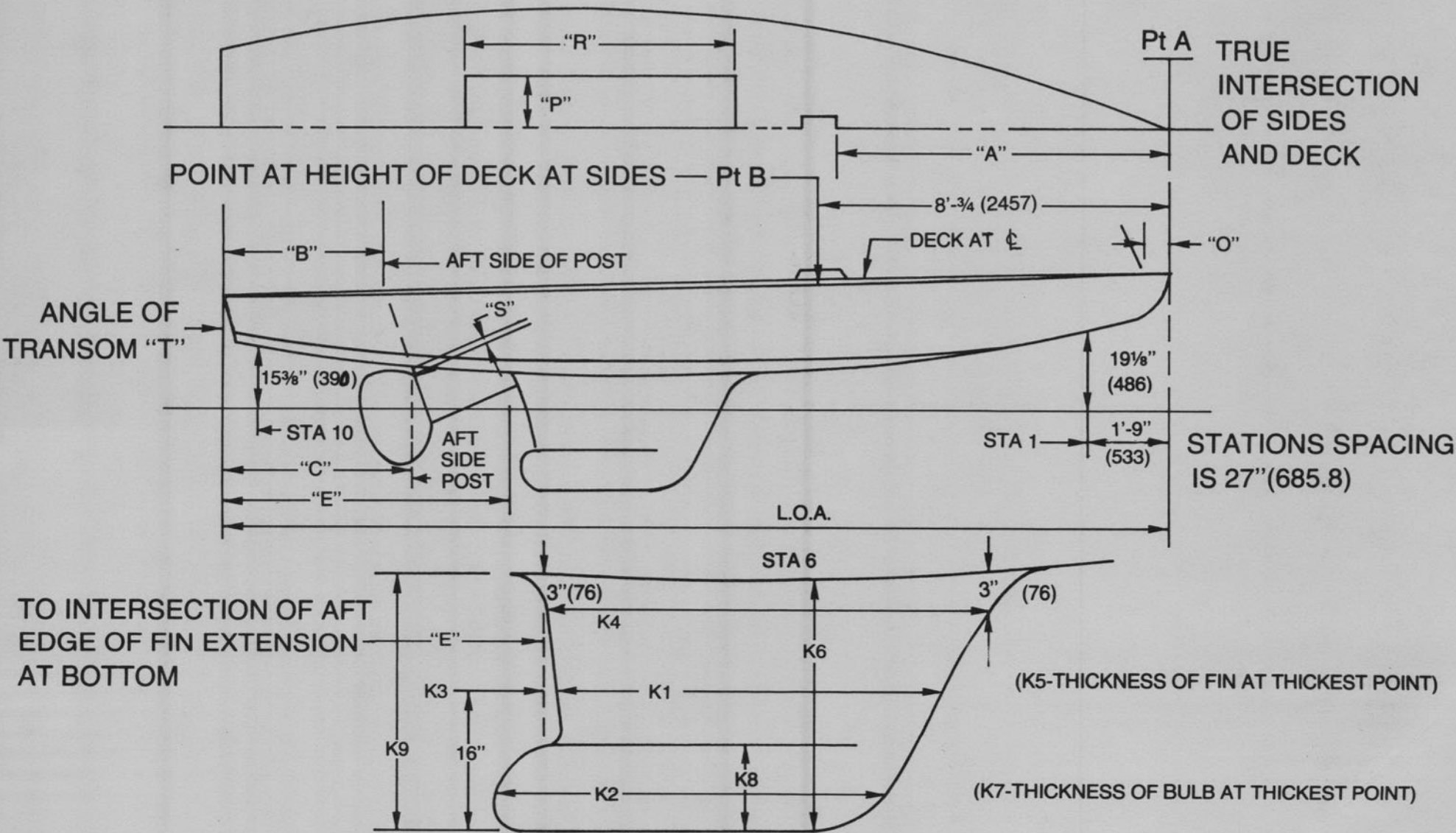
9 SPARS & YACHT WEIGHT

Pt B TO UPPER MAST BAND \_\_\_\_\_  
9652  
Pt B TO JIB STAY 6890  
BOOM LNG 4445  
MAST TIP WT. 7,0 kg  
DIMENSION "O" 285  
YACHT WEIGHT 661 kg  
ADDED WEIGHT 10,3 kg  
TOTAL WEIGHT 671,3 kg

COPY



\* IS ISCYRA WEIGHT CERTIFICATE ATTACHED? yes





## OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

## Sec.A. Description of Measured Yacht

1. Yacht's Number 6176
2. Number Molded Or Cut Into Keelson? MOLDED
3. Yacht Name MOIRA
4. Year Built 1977
5. Builder L. MADER, FISCHING
6. Owner WIFE V. BELOW
7. Address MARIA-LOUISEN-STR. 119, 2 HAMBURG
8. Fleet HAMBURG
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 LEONHARD MADERSigned 8221 FISCHING BEI WADING AM SEE Date 13 July 1977

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 LEONHARD MADERSigned 8221 FISCHING BEI WADING AM SEE Date 13 July 1977

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 KriegerSigned Krieger Date 13 July 1977

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

Print Name KriegerSigned Krieger Date 13 July 1977

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 WIFE BELOW Date 4-10-79Sold To: WIFE BELOW Of BERLIN FLEET

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

PRINTED IN U.S.A.

## OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

## 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 3 Sept 1977



SECTION E

2 HEIGHTS\*

| STATIONS | 1   | 2   | 3    | 4   | 5   | 6    | 7   | 8    | 9   | 10   |
|----------|-----|-----|------|-----|-----|------|-----|------|-----|------|
| KEEL     | 486 | 357 | 253  | 176 | 125 | 106  | 134 | 197  | 286 | 390  |
| CHINE    |     |     | 306  |     |     | 230  |     | 301  |     | 452  |
| SIDE     | 826 |     | 784  |     |     | 749  |     | 713  |     | 687  |
| BOT.ARC  |     |     | 0.4. |     |     | 0.4. |     | 0.4. |     | 0.4. |

\*MEASURED FROM BASE LINE

3 HALF BREADTHS

| STATIONS | 1   | 3   | 6   | 8   | STERN |
|----------|-----|-----|-----|-----|-------|
| DECK     | 206 | 615 | 860 | 784 | 498   |
| CHINE    | 95  | 406 | 673 | 627 | 406   |

4 RUDDER FITS TEMPLATE? yes

THICKNESS 27 POST DIA 25.4

5 SKEG DEPTH 415  
" LENGTH 700  
" CONTOUR 17

6 KEEL DIMENSIONS

K1 1152  
K2 1225  
K3 45  
K4 1370  
K5 25  
K6 753  
K7 222  
K8 296  
K9 803

7 WEIGHTS\*

KEEL (WITH FINISH) \_\_\_\_\_  
401 kg  
HULL (AS MOLDED) \_\_\_\_\_  
222.5 kg + 2.5 kg (SKEG)

8 BUOYANCY

CONTAINED IN HULL 0.34 m<sup>3</sup>  
ADDITIONAL 0.58 m<sup>3</sup>  
☒ TANKS  
☒ COMPARTMENTS  
☒ CLOSED CELL FOAM

I.S.C.★Y.R.A.

(Metric Measurements Preferred)

1 HULL MEASUREMENTS

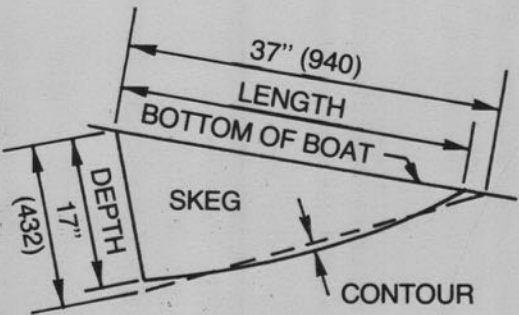
YACHT NO. 6176  
WOOD OR G.R.P. G.R.P  
L.O.A. 6925  
DIMENSION "A" 2358  
" "B" 1155  
" "C" 1318  
" "E" 2131  
" "P" 305  
" "R" 1965  
" "S" 5  
" "T" 17°

CHINE RADIUS OK? yes  
STEM RADIUS OK? yes  
SIDE FLATNESS OK? yes

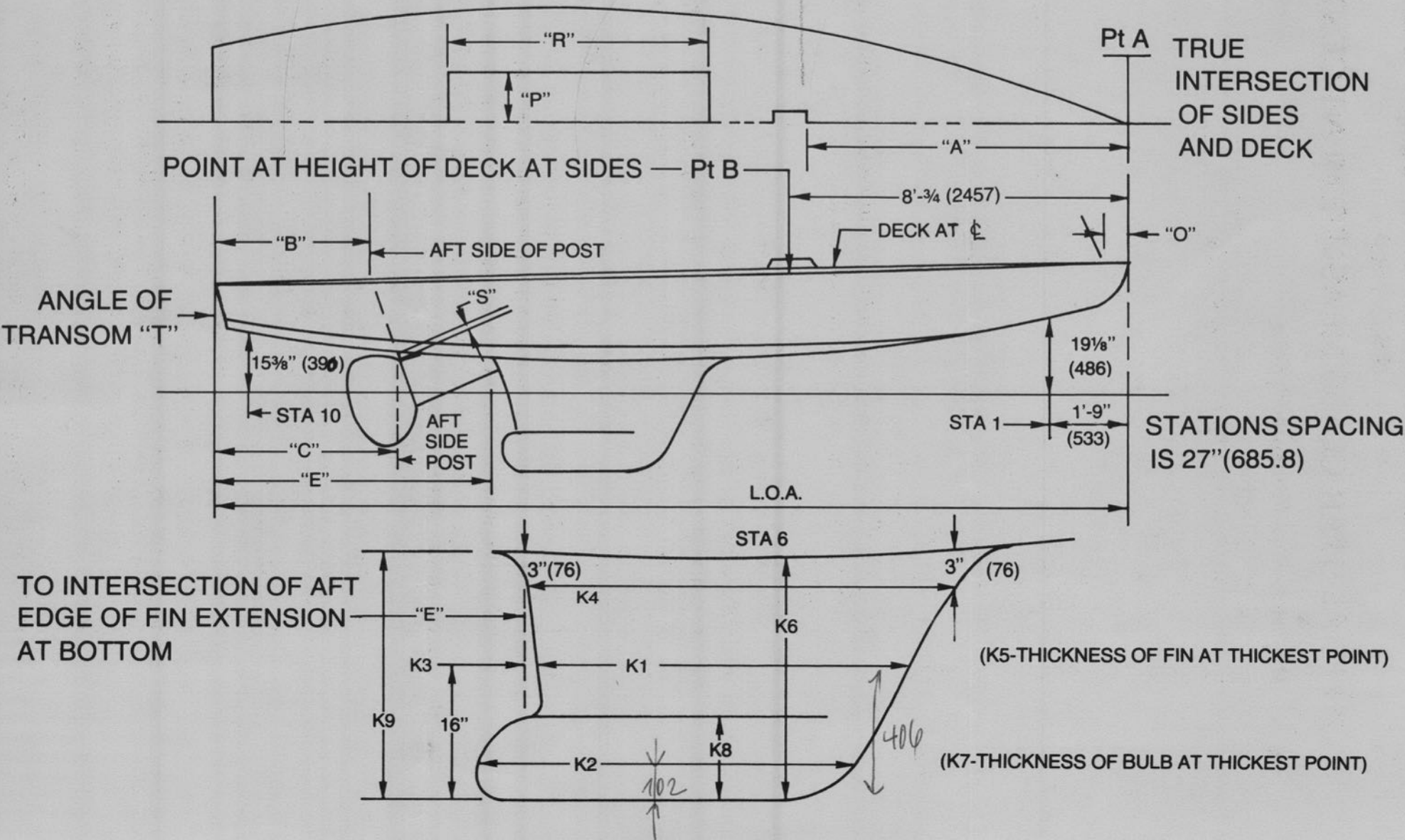
9 SPARS & YACHT WEIGHT

Pt B TO UPPER MAST BAND \_\_\_\_\_  
9652  
Pt B TO JIB STAY 6890  
BOOM LNG 4445  
MAST TIP WT. 7.0 kg  
DIMENSION "O" 285  
YACHT WEIGHT 661 kg  
ADDED WEIGHT 10.3 kg  
TOTAL WEIGHT 671.3 kg

COPY



\*IS ISCYRA WEIGHT CERTIFICATE ATTACHED? yes



BTC 1911 S. C. Y. R. A.

JUL 6 1982

CENTRAL OFFICE

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

# Buoyancy Test Certificate

This Certificate Expires Two Years From Today On 21. 6., 19 82

For Owner of Yacht No. 6176

Owner's Name Lutz Dickow

Date of Buoyancy Test 21. 6. 1982

## Instructions:

1. Each Star Class Yacht must pass the prescribed buoyancy test every two years.
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 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.)
4. Complete Certificate in duplicate. **Witness sends one copy to I.S.C.Y.R.A., 1545 Waukegan Rd., Glenview, IL 60025, U.S.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.

Lutz Dickow

Owner's Name

Schar

Owner or Representative's Signature

21. 6. 82

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.

Fleet Secretary

Hans-Joachim Baumgarten

Witness' Name and Title

H.J. Baumgarten

Witness' Signature

21. 6. 82

Date

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



International Star Class Yacht Racing Association

WEIGHT CERTIFICATE  
(Metric Measurements Preferred)

|   |                    |                |
|---|--------------------|----------------|
| A | Builder's Hull No. | <u>L 811</u>   |
|   | Yacht No.          | <u>6176</u>    |
| B | Hull Less Skeg     | <u>222,5</u>   |
|   | Hull with Skeg     | <u>+2,5 kg</u> |
| C | Keel Less Finish   | <u>385 kg</u>  |
|   | Keel with Finish   | <u>401 kg</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 LEONHARD MADER

Date 13. July 77 Signed 8221 FISCHING BEI WAGING AM SEE  
Leonhard Mader

|   |                              |                                |
|---|------------------------------|--------------------------------|
| D | Yacht Weight with Rig        | <u>1661 kg</u>                 |
|   | Added Weight                 | <u>10,3 kg</u>                 |
|   | (Describe type and location) | <u>mainly deck and rigging</u> |

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 18.7.77 Signed LEONHARD MADER  
8221 FISCHING BEI WAGING AM SEE