

SEC. C. 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 will be sent to him by the International Measurement Committee after his appointment.
2. This form must be made out by the certified measurer in duplicate. He must answer I through VI in the Hull Measurement and all under Keel Measurements. Both Copies are to be sent to the I.S.C.Y.R.A. central office. In case some dimensions are not available, file one copy with the I.S.C.Y.R.A. and forward one copy to the owner who becomes responsible for its completion.
3. Declarations must be signed as required.
4. Certified measurers are entitled to a reasonable fee for measuring, but the Association is not responsible for its payment.
5. A certified measurer cannot measure a yacht in which he owns an interest.

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 revoked if any structural changes are made or if not properly transferred to a new owner. It may be revoked at any time by order of the International Measurement Committee or the International Governing Committee.
2. This certificate shall be binding on all members, fleets, clubs, or organizations conducting races for the Star Class. 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.
3. This certificate shall be replaced when the yacht is altered or sold. For replacement, send this certificate and ten dollars, U.S. Funds, to the I.S.C.Y.R.A. Central Office.



The International Measurement Committee finds that the yacht described herein conforms with the plans and specifications of the Star Class and therefore grants this certificate to the yacht owner, subject to the conditions set forth above so long as the owner or owners of the yacht are members of the I.S.C.Y.R.A.

Signed [Signature]
(Chairman International Measurement Committee)

Date 15 OCT 1988

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

SEC. A.

- 7349 G
1. Yacht's Number 7349
 2. Builder MELGES BOAT WORKS
 3. Year Built 1988
 4. Builder's Hull Number MEB OS 169 D 888
 5. Material of Construction GRP
 6. Type and location of characters used to install yacht number in hull DRILLED - FORWARD BULKHEAD - PORT SIDE
 7. Yacht Name ~~NAME~~ NAME OWL
 8. Owner PETER COSTA
 9. Address 19 CHANNING STREET, CAMBRIDGE, MA 02138
 10. Fleet BOSTON HARBOR
 11. Remarks MEASURE & RECORD HEIGHT OF POINT B = 75

SEC. B. DECLARATIONS:

1. I certify that I have measured items I through VI under hull measurements and K1 through K14 under keel measurements on page two of this certificate and have entered the data, the information is correct and complies with I.S.C.Y.R.A. rules.
Print name JAMES A. SMITH A, O, TA, KRCS & "B" AND JOHN F. KODOMAS
Signed [Signature] Date May 10, 1988
(Certified Star Class Measurer)
2. I certify that this yacht has been constructed in accordance with current plans and specifications of the I.S.C.Y.R.A., and that the keel conforms to the approved keel plan. I have completed item VII, Buoyancy, on page two under Hull Measurements.
Print name Harry C. Melges Jr.
Signed [Signature] Date 6-16-88
(Builder)
3. I certify that this yacht has been fitted out in accordance with the current plans and specifications of the I.S.C.Y.R.A.
Print name PETER F. COSTA
Signed [Signature] Date 7-1-88
(Outfitter)
4. TO BE COMPLETED WHEN YACHT OWNERSHIP CHANGES
I certify that no alterations have been made on this yacht that would affect the measurements recorded on page two of this document.
Print name _____
Signed _____ Date _____
(Owner)
5. TO BE COMPLETED WHEN STRUCTURAL CHANGES HAVE BEEN MADE ON A YACHT
I certify that I have inspected the changes outlined in the attached plan covering the structural alterations made on this yacht and find them to be in accordance with the current plans and specifications of the I.S.C.Y.R.A.
Print name _____
Signed _____ Date _____
(Certified Star Class Measurer)

HULL MEASUREMENTS:

I.		
A.	4550	JFLC
B	1186	
C	1272	
E	2120	
O	6627	JFLC
P	307	
R	1975	
S	12	
TA	15	JFLC
L.O.A.	6925	

Chine Radius	<u>OK</u>
Stem Radius	<u>OK</u>
Side Flatness	<u>OK</u>

III.
Rudder Template OK
Thickness 28
Post Dia. 25

IV.

Skeg Depth	<u>420</u>
Skeg Contour	<u>0</u>

V.
Heights Above Baseline:

	1	3	6	8	10
Stations					
Keel	486	854	105	200	390
Chine		315	232	298	445
Side	825	795	750	722	693
Bottom Arc		01c	01c	01c	01c

5F12

VI. Half Breadths:	1	3	6	8	Stern
Stations					
Deck	197	607	852	787	492
China	89	402	671	623	409

VII.
Buoyancy: (Builder)
Hull 12 ft³
Tanks _____
Compartments 27 ft³
Closed Cell Foam _____
Air Bags _____

KEEL MEASUREMENTS:

K1	1143
K2	1220
K3	36
K4	1350
K5	25
K6	762
K7	210
K8	305
K9	810
K10	914
K11	78
K12	88
K13	88
K14	315

WEIGHT CERTIFICATION:

Keel less finish	<u>885#</u>
Keel with finish	<u>895#</u>

I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of reading.

Print name Harry C. Melges Jr.

Signed Barry Melick Date 12/16/88
(Builder)

Yacht weight with rigging

1980 #

Added Weight NONE

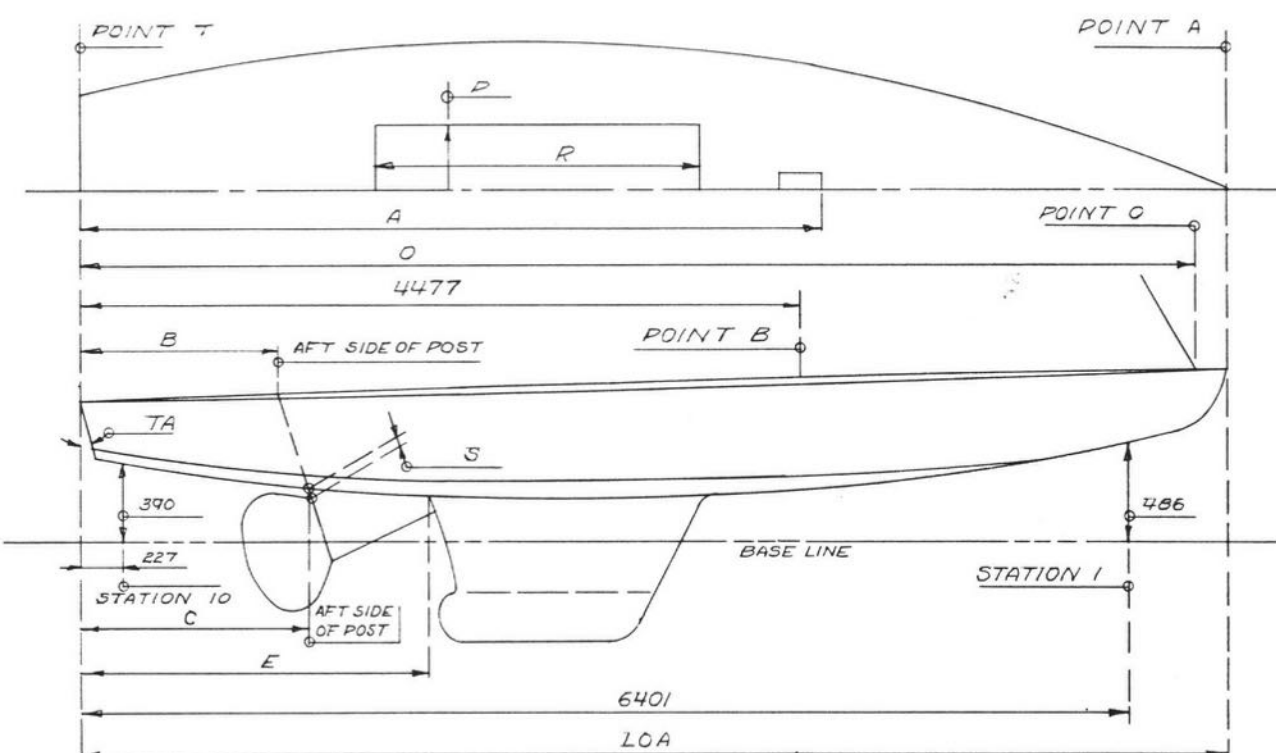
Type and location of added weight NONE

I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of reading.

Print name TERA F. COSM

SIGNED [Signature]
(Builder, outfitter or owner)

COPY

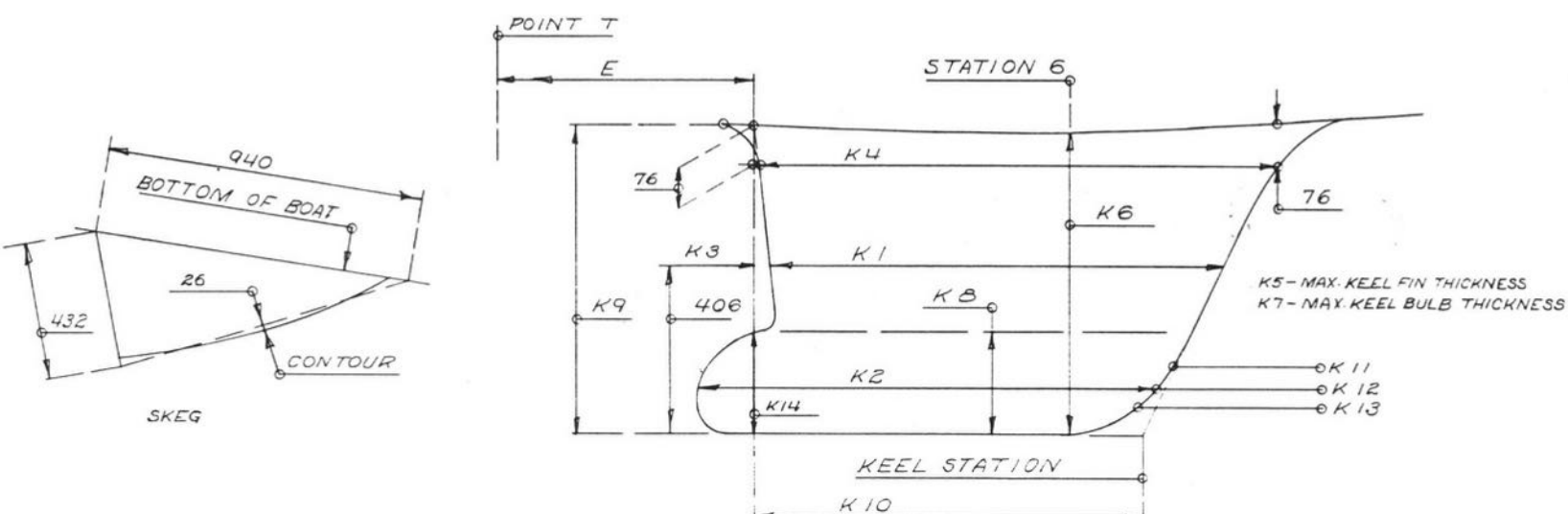


MEASURER'S REMARKS:

Hull not rigged

$T_D = 387 \text{ J/K}$

260 HH STEP DB



YACHT NUMBER

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

7349

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.)

NONE

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

JUL 14 1988

CENTRAL OFFICE

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

PETER COSTA

Owner's Name

Peter Costa

Owner or Representative's Signature

7/9/88

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.

ARTHUR F. HOUSMAN

SECRETARY B.H. FLEET

Witness's Name and Title

Arthur F. Housman

Witness' Signature

JULY 9 1988

Date

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

C7-28-95

International Star Class
Yacht Racing Association

1545 Waukegan Road • Glenview, Illinois 60025-2185 U.S.A.
Phone 312-729-0630 • Cable ISCYRA Glenview
Telex: 754376 STAR CLASS UD



MEMO

To: James Smith

Date: 22 July 1988

From: Joe Knowles

RE: # 7349

1. Please check height of Pt 'B' in boat. Record height in mm. (Generally this ranges from 300 to 500 mm depending on the type of floor in the boat.)
2. Please measure and record Dimensions A and O.
3. Please measure and record transom angle.
4. Please check bottom arcs and record findings.
5. Please record buoyancy contained in hull (foam) and compartments in metric units.
6. Please record keel weights in metric units.
7. Builder's certification of keel weights is required.
8. If boat is no longer in your area, have owner or builder contact ISCYRA to arrange for measurement by another measurer.

7349 Yt. wt. cert. attached

YACHT NUMBER 7349

HULL MEASUREMENTS:

I.
 A _____
 B 1186
 C 1272
 E 2120
 O _____
 P 307
 R 1975
 S 12
 TA _____
 L.O.A. 6925

II.
 Chine Radius OK
 Stem Radius OK
 Side Flatness OK

III.
 Rudder Template OK
 Thickness 28
 Post Dia. 25

IV.
 Skeg Depth 420
 Skeg Contour 0

V.
 Heights Above Baseline:

Stations	1	3	6	8	10
Keel	<u>486</u>	<u>254</u>	<u>105</u>	<u>200</u>	<u>390</u>
Chine	<u>X</u>	<u>315</u>	<u>232</u>	<u>298</u>	<u>445</u>
Side	<u>825</u>	<u>795</u>	<u>750</u>	<u>722</u>	<u>693</u>
Bottom Arc	<u>X</u>				

VI.
 Half Breadths:

Stations	1	3	6	8	Stern
Deck	<u>197</u>	<u>607</u>	<u>852</u>	<u>787</u>	<u>492</u>
Chine	<u>89</u>	<u>402</u>	<u>671</u>	<u>623</u>	<u>409</u>

VII.
 Buoyancy: (Builder)
 Hull 12 ft³
 Tanks _____
 Compartments 27 ft³
 Closed Cell Foam _____
 Air Bags _____

KEEL MEASUREMENTS:

K1 1143
 K2 1220
 K3 36
 K4 1350
 K5 25
 K6 762
 K7 210
 K8 305
 K9 810
 K10 914
 K11 78
 K12 88
 K13 88
 K14 315

WEIGHT CERTIFICATION:

Keel less finish 885
 Keel with finish 895

I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of reading.

Print name _____

Signed _____ Date _____
 (Builder)

Yacht weight with rigging _____

Added Weight _____

Type and location of added weight _____

I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of reading.

Print name _____

SIGNED _____
 (Builder, outfitter or owner)

I.S.C. ★ Y.R.A.
YACHT WEIGHT CERTIFICATE



Yacht Number: 7349

Owner: Peter Costa

Address: 19 CHANNING ST.
CAMBRIDGE MA. 02138

Fleet: Boston Harbor

I Certify that I have weighed the above yacht, according to the Rules of the I.S.C.Y.R.A., and find that

COPY
0.00 KG

is required to bring the total weight to the required minimum. This amount of weight has been properly installed, and I have applied official seals to it.

Certified Weighmaster:

Signature: David K Winkler

Print name: David K Winkler

My term expires: 17 Oct. 1990

I.S.C.Y.R.A. File No:

7349

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

JUL 15 1988

CENTRAL OFFICE

TEMPORARY MEASUREMENT CERTIFICATE

Date Measured: Finalized September 9, 1988

Date Issued: September 13, 1988

Expiration Date: October 28, 1988
(45 days after Date Issued)

I have measured Star # 7349 and all measurements appear to be within acceptable tolerances. However, while final examination and certification is being processed this letter may serve as a temporary certification for a period of 45 days. I see no apparent discrepancies which need resolution before final issuance of a Measurement Certificate.

COPY

Smith
Koopman

7349

This Temporary Measurement Certificate cannot be renewed and is subject to revocation by the Measurement Committee.

Signed By: Doris Jirka, Certified Measurer
Executive Director *

Print Name: Doris Jirka

This is an administrative TMC issued at the Central Office.
By authority of Joseph Knowles, Chief Measurer and Chairman of the Measurement Committee.

- Copies: 1. Owner Peter Costa
2. Central Office
3. Measurer

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

SEC. A.

1. Yacht's Number 7349
 2. Builder MELGES BOAT WORKS
 3. Year Built 1988
 4. Builder's Hull Number MEB OS 169 D 888
 5. Material of Construction GRP
 6. Type and location of characters used to install yacht number in hull DRILLED - FORWARD BULKHEAD - PORT SIDE
 7. Yacht Name ~~NAME~~ NAME OWL
 8. Owner PETER COSTA
 9. Address 19 CHANNING STREET, CAMBRIDGE, MA 02138
 10. Fleet BOSTON HARBOR
 11. Remarks MEASURE + RECORD HEIGHT OF POINT B = 75

SEC. B. DECLARATIONS:

1. I certify that I have measured items I through VI under hull measurements and K1 through K14 under keel measurements on page two of this certificate and have entered the data, the information is correct and complies with I.S.C.Y.R.A. rules.

Print name JAMES A. SMITH

Signed *James A. Smith*
 (Certified Star Class Measurer)

Date MAY 10, 1988

2. I certify that this yacht has been constructed in accordance with current plans and specifications of the I.S.C.Y.R.A., and that the keel conforms to the approved keel plan. I have completed item VII, Buoyancy, on page two under Hull Measurements.

Print name Harry C. Melges Jr.

Signed *Harry C. Melges Jr.* Date 6-16-88
 (Builder)

3. I certify that this yacht has been fitted out in accordance with the current plans and specifications of the I.S.C.Y.R.A.

Print name PETER F COSTA

Signed *Peter F Costa* Date 7-1-88
 (Outfitter)

4. TO BE COMPLETED WHEN YACHT OWNERSHIP CHANGES

I certify that no alterations have been made on this yacht that would affect the measurements recorded on page two of this document.

Print name _____

Signed _____ Date _____
 (Owner)

5. TO BE COMPLETED WHEN STRUCTURAL CHANGES HAVE BEEN MADE ON A YACHT

I certify that I have inspected the changes outlined in the attached plan covering the structural alterations made on this yacht and find them to be in accordance with the current plans and specifications of the I.S.C.Y.R.A.

Print name _____

Signed _____ Date _____
 (Certified Star Class Measurer)

I will be sailing at the N.A's

Page Two

YACHT NUMBER 7349

HULL MEASUREMENTS:

I.
A 4550 JFIL
B 1186
C 1272
E 2120
O 6627 JFIL
P 307
R 1975
S 12
TA 15 JFIL
L.O.A. 6925

II.
Chine Radius OK
Stem Radius OK
Side Flatness OK

III.
Rudder Template OK
Thickness 28
Post Dia. 25

IV.
Skeg Depth 420
Skeg Contour 0

V.
Heights Above Baseline:

Stations	1	3	6	8	10
Keel	<u>486</u>	<u>254</u>	<u>105</u>	<u>200</u>	<u>390</u>
Chine	<u>X</u>	<u>315</u>	<u>232</u>	<u>298</u>	<u>445</u>
Side	<u>825</u>	<u>795</u>	<u>750</u>	<u>722</u>	<u>693</u>
Bottom Arc	<u>X</u>	<u>OK</u>	<u>OK</u>	<u>OK</u>	<u>OK</u>

 JFIL

VI.
Half Breadths:
Stations 1 3 6 8 Stern
Deck 197 607 852 787 492
Chine 89 402 671 623 409

VII.
Buoyancy: (Builder)
Hull 12 ft³
Tanks _____
Compartments 27 ft³
Closed Cell Foam _____
Air Bags _____

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

SEP 12 1988

CENTRAL OFFICE

KEEL MEASUREMENTS:

K1 1143
K2 1220
K3 36
K4 1350
K5 25
K6 762
K7 210
K8 305
K9 810
K10 914
K11 78
K12 88
K13 88
K14 315

WEIGHT CERTIFICATION:

Keel less finish 885
Keel with finish 895

I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of reading.

Print name _____

Signed _____ Date _____
(Builder)

Yacht weight with rigging _____

Added Weight NONE

Type and location of added weight NONE

I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of reading.

Print name Peter F Costa

SIGNED Peter F Costa
(Builder, outfitter or owner)

Peter Costa
617/491-6545

OWL ENGINEERING, INCORPORATED

35 Medford Street
Somerville, Massachusetts 02143

Consultants

Product Management

Product Development

High Volume Design

Prototyping

Plastics - Die Casting

Sheet Metal, Tooling

COPY



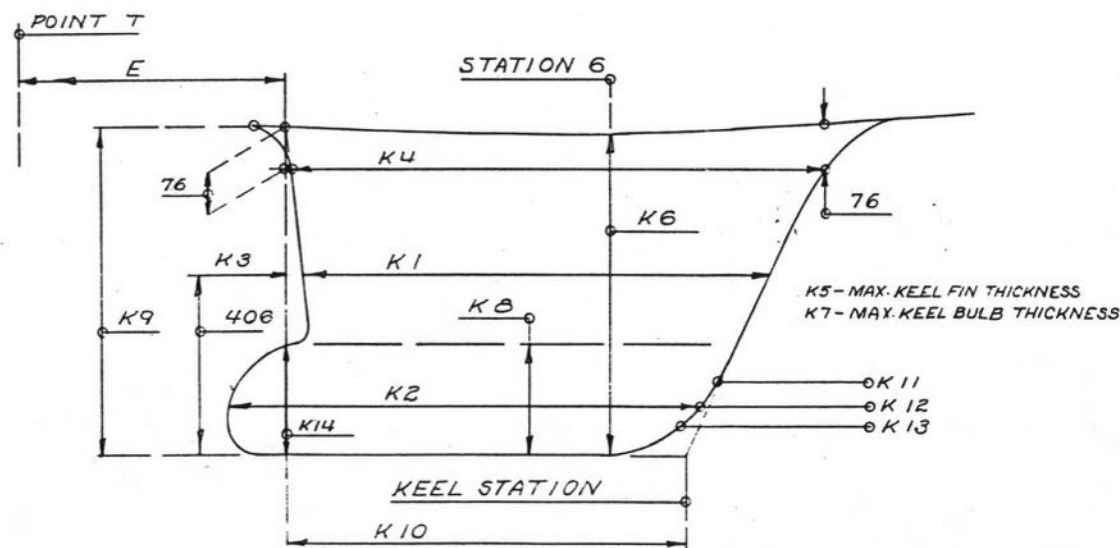
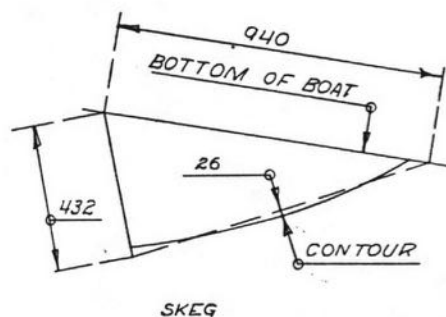
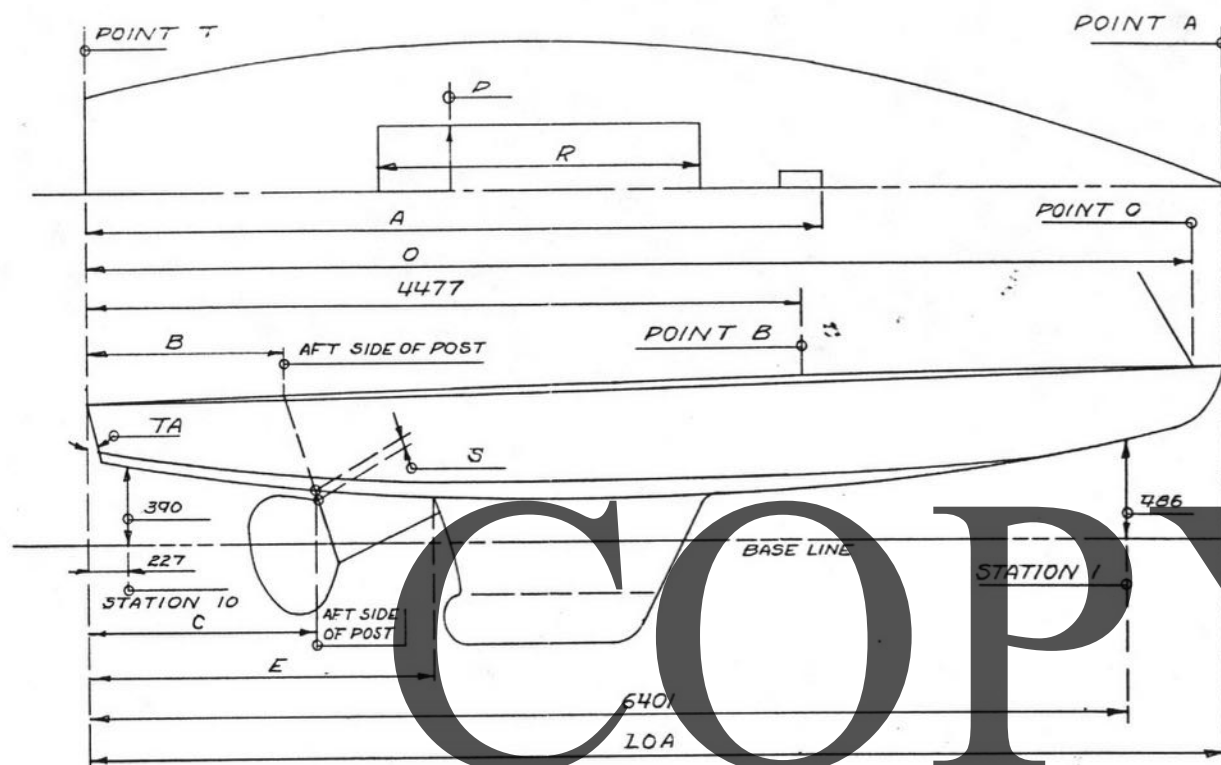
OWL ENGINEERING, INC.

MEASURER'S REMARKS:

Hull not rigged

B = 387 JTK

260 MM STEP TO B



SEC. C. TO MEASURERS:

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2. This form must be made out by the certified measurer in duplicate. He must answer I through VI in the Hull Measurement and all under Keel Measurements. Both Copies are to be sent to the I.S.C.Y.R.A. central office. In case some dimensions are not available, file one copy with the I.S.C.Y.R.A. and forward one copy to the owner who becomes responsible for its completion.
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3. This certificate shall be replaced when the yacht is altered or sold. For replacement, send this certificate and ten dollars, U.S. Funds, to the I.S.C.Y.R.A. Central Office.

Place
Inspection
Stamp
Here

The International Measurement Committee finds that the yacht described herein conforms with the plans and specifications of the Star Class and therefore grants this certificate to the yacht owner, subject to the conditions set forth above so long as the owner or owners of the yacht are members of the I.S.C.Y.R.A.

Signed _____
(Chairman International Measurement Committee)

Date _____

TEMPORARY MEASUREMENT CERTIFICATE

*Finalized PC.
9.13.88*

Date Measured: Finalized September 9, 1988

Date Issued: September 13, 1988

Expiration Date: October 28, 1988
(45 days after Date Issued)

I have measured Star # 7349 and all measurements appear to be within acceptable tolerances. However, while final examination and certification is being processed this letter may serve as a temporary certification for a period of 45 days. I see no apparent discrepancies which need resolution before final issuance of a Measurement Certificate.

COPY

Smith
Koopman

This Temporary Measurement Certificate cannot be renewed and is subject to revocation by the Measurement Committee.

Signed By: *Doris Jirka*, ~~Certified Measurer~~
Executive Director *

Print Name: Doris Jirka

This is an administrative TMC issued at the Central Office.
By authority of Joseph Knowles, Chief Measurer and Chairman of the Measurement Committee.

- Copies: 1. Owner Peter Costa
2. Central Office
3. Measurer

JUL 30 1988

International Star Class
Yacht Racing Association

1545 Waukegan Road · Glenview, Illinois 60025-2185 U.S.A.
Phone 312-729-0630 · Cable ISCYRA Glenview
Telex: 754376 STAR CLASS UD



MEMO

To: James Smith

Date: 22 July 1988

From: Joe Knowles

RE: # 7349

1. Please check height of Pt 'B' in boat. Record height in mm. (Generally this ranges from 300 to 500 mm depending on the type of floor in the boat.) ✓
2. Please measure and record Dimensions A and O. ✓
3. Please measure and record transom angle. ✓
4. Please check bottom arcs and record findings. ✓
5. Please record buoyancy contained in hull (foam) and compartments in metric units.
6. Please record keel weights in metric units.
7. Builder's certification of keel weights is required.
8. If boat is no longer in your area, have owner or builder contact ISCYRA to arrange for measurement by another measurer.

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

SEP 12 1988

JUL 30 1988

International Star Class
Yacht Racing Association

1545 Waukegan Road · Glenview, Illinois 60025-2185 U.S.A.
Phone 312-729-0630 · Cable ISCYRA Glenview
Telex: 754376 STAR CLASS UD



MEMO

TO: James Smith

Date: 22 July 1988

FROM: Joe Knowles

RE: # 7349

1. Please check height of Pt 'B' in boat. Record height in mm. (Generally this ranges from 300 to 500 mm depending on the type of floor in the boat.)
2. Please measure and record Dimensions A and O.
3. Please measure and record transom angle.
4. Please check bottom arcs and record findings.
5. Please record buoyancy contained in hull (foam) and compartments in metric units.
6. Please record keel weights in metric units.
7. Builder's certification of keel weights is required.
8. If boat is no longer in your area, have owner or builder contact ISCYRA to arrange for measurement by another measurer.

Please see certificate (inside)

T His

WAS DONE BY JOHN KNOWLES IN BOSTON

SEP 13 1988

CENTRAL OFFICE

BUDDY

I'M TRYING TO
SAIL IN THE N.A.'S
NEXT WEEK IN N.Y..

CAN YOU GET THIS
ASAP TO THE STAR
OFFICE. THANKS ^{Pete}

COPY

International Star Class Yacht Racing Association

WEIGHT CERTIFICATE
(Metric Measurements Preferred)

A	Builder's Hull No.	MEBOS169D888
	Yacht No.	#7349
B	Hull Less Skeg	370#
	Hull with Skeg	376#
C	Keel Less Finish	401.436 Kg (885#)
	Keel with Finish	405.972 Kg (895#)

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 6-16-88

Signed

Harry C. Molgese

D	Yacht Weight with Rig	
	Added Weight	
	(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

Signed