

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

SEC. A.

1. Yacht's Number 6601
 2. Builder Larry Whipple
 3. Year Built 1980
 4. Builder's Hull Number Unknown
 5. Material of Construction GRP
 6. Type and location of characters used to install yacht number in hull
Numbers drilled in GRP mast step support ring
 7. Yacht Name NORTH AIR
 8. Owner DR. DAVID HILTON
 9. Address 1427 Regan Ave. COQUITLAM B.C. Canada V353B5
 10. Fleet PORT MEADY
 11. Remarks This yacht has had several owners but was never
officially measured.

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 Thomas C. NylundSigned Thomas C. Nylund

(Certified Star Class Measurer)

Date 5/13/86

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 Seattle StarSigned Shawn valid certificate and told other copy on file in
Thomas C. Nylund 6/8/86 Central office
 (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 J. D. HILTONSigned J. D. Hilton

(Outfitter)

Date May 9/86

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)

YACHT NUMBER 6601

HULL MEASUREMENTS:

I.
 A 4555 mm
 B 1150
 C 1329
 E 2124
 O 6625
 P 310 ~~OK~~
 R 1955
 S 10
 TA 15°
 L.O.A. 6905 ~~OK~~

II.

Chine Radius 10 mm ~~13 max~~
 Stem Radius 22.5 ~~?~~
 Side Flatness ±2.0 mm

III.

Rudder Template YES fits
 Thickness 25 mm
 Post Dia. 25

IV.

Skeg Depth 427 mm
 Skeg Contour Straight

V.

Heights Above Baseline:

Stations	1	3	6	8	10
Keel	<u>486</u>	<u>252</u>	<u>86</u>	<u>195</u>	<u>390</u>
Chine	<u>X</u>	<u>313</u>	<u>223</u>	<u>291</u>	<u>450</u>
Side	<u>834</u>	<u>789</u>	<u>736</u>	<u>710</u>	<u>675</u>
Bottom Arc	<u>X</u>	<u>FITS BETWEEN 2 TEMPLATES</u>			

VI.

Half Breadths:

Stations	1	3	6	8	Stern
Deck	<u>197</u>	<u>599</u>	<u>851</u>	<u>783</u>	<u>493</u>
Chine	<u>91</u>	<u>405</u>	<u>670</u>	<u>630</u>	<u>400</u>

VII.

Buoyancy: (Builder)

Hull 342 CORE MATERIAL Calculated by
 Tanks 381 FORE & AFT measurement.
 Compartments _____
 Closed Cell Foam _____
 Air Bags _____
 Current owner
 has demonstrated
 floatation to FLEET
 OFFICER and has
 valid certificate.

KEEL MEASUREMENTS:

K1 1144 mm
 K2 1215
 K3 32
 K4 1368 ~~TV~~ ~~OK~~
 K5 24
 K6 781
 K7 222
 K8 311
 K9 810
 K10 915
 K11 80
 K12 86
 K13 70
 K14 311

WEIGHT CERTIFICATION:

SEE attached
 old type keel weight certificate
 Keel/less finish Nothing else avail
 Keel with finish 880

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.

Builder not available
 Print name _____
 Signed J. D. Hilton Date May 9/86
 (Builder)

Yacht weight with rigging

673.5 kgAdded Weight 0

Type and location of added weight _____

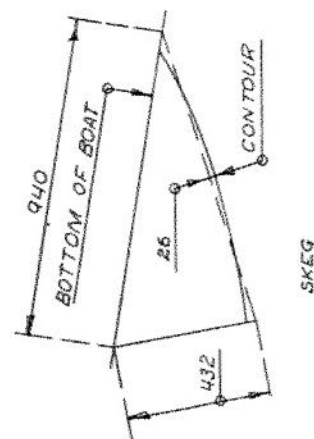
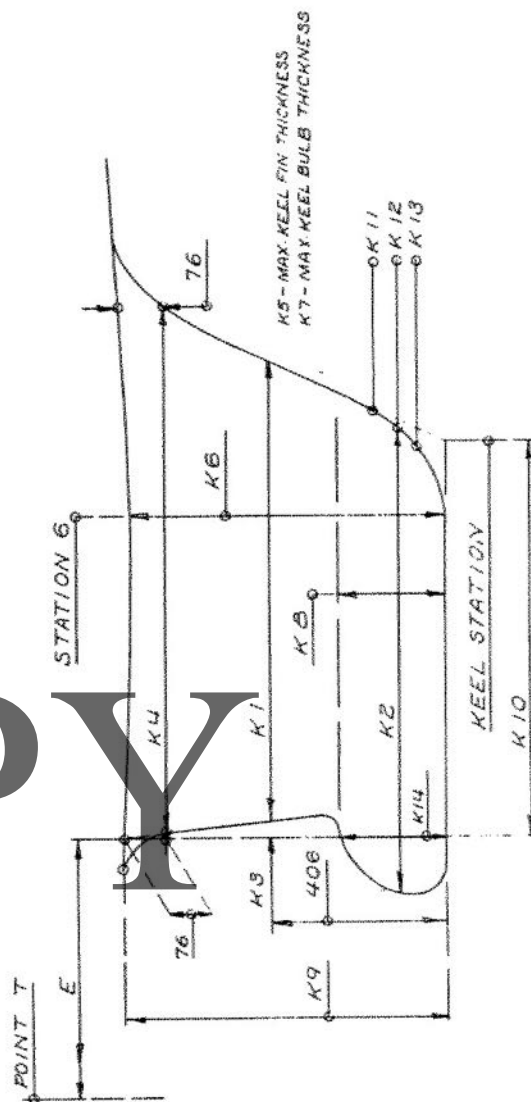
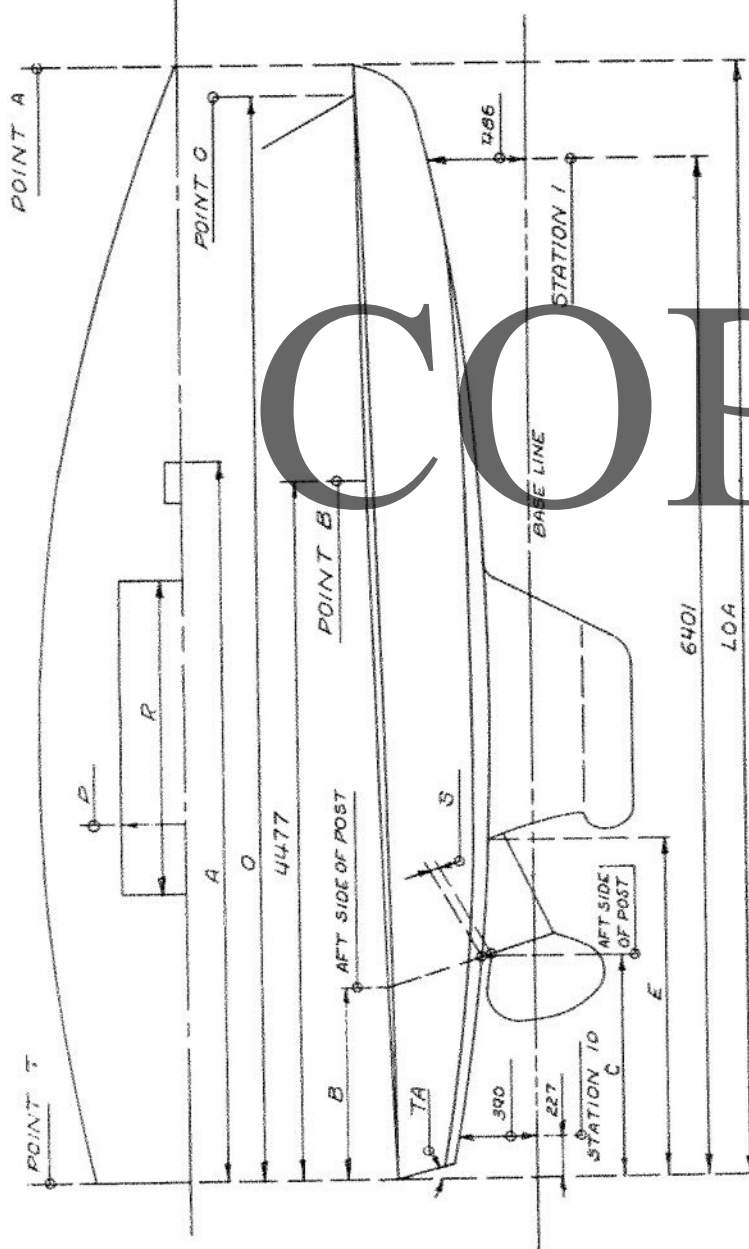
I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of reading.

Print name J. D. HILTON

SIGNED J. D. Hilton
 (Builder, outfitter or owner)

MEASURER'S REMARKS:

Boat measured twice.
Several points had to
be reworked by
current owner.



uner:

T. NYLUND

MEASURER 5/13/86

International Star Class Yacht Racing Association

Weight Certificate
(Metric Measurements Preferred)

A Builder's Hull No. 6601
Yacht No. 6601

B Hull Less Skeg
See attached statement
Hull with Skeg 192.5 kg

C Keel Less Finish
Keel with Finish 880 lbs

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. GERARD BOAT COMPANY

Date: _____ Signed by: Walter W. Hunt

D Yacht Weight with Rig 673.5 Kg
Added Weight None ✓
(Describe type and location)
Home in Ireland 6/8/86

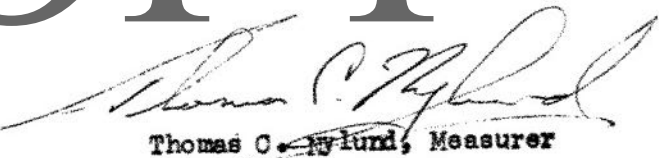
I certify that the ~~yacht~~ weight shown is measured on a balance scale, or spring scale, or an electric load cell (underline one) which has been calibrated within the last year to $\frac{1}{2}$ of 1%. (Building, outfitter or owner must sign)

Date: _____ Signed: _____

6/7/86

The hull on Star number 6601 was six years old when I was requested to officially measure the boat for the first time. The boat had no hull weight certificate nor could one be obtained from the original builder who delivered the boat unfinished to the original owner, who is not the current owner. The keel weight certificate is presented with a finished keel weight of 399.2 kg.

The complete boat was weighed with rigging at 673.5 kg. Boat weight without the rigging was 642.5 kg. Allowing for the rudder, rudder post, hull and deck fittings (traveler, circular vang, barney post, pumps, turning blocks, etc.) and the fact that the complete hull required no additional weights (confirmed by inspection), it is my opinion that this hull and deck with skeg meet the minimum weight requirement of 192.5 kg.



Thomas C. Hyland, Measurer

TEMPORARY MEASUREMENT CERTIFICATE

Date Measured: 5/12/86

Date Issued: 5/10/86

Expiration Date: 6/30/86
(45 days after Date Issued)

I have measured Star # 6601 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

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

Signed By: Thomas E. Nyland, Certified Measurer

Print Name: Thomas E. Nyland

Copies: 1. Owner Hilton
2. Central Office
3. Measurer

LS.C.Y.R.A.
MAY 20 1986
CENTRAL OFFICE

6601

JOSEPH KNOWLES
ISCYRA ★ STAR CLASS YACHT MEASURER ★ IYRU

21 June 1986

Re: # 6601

While I greatly regret the circumstances leading up to this, and the difficulty and inconvenience to the new owner and the measurer, I am very pleased that this boat is legal at last.

I believe the class, as well as the local fleet, should be very grateful to Hilton and Nyland for their perseverance in this matter, and I congratulate them both for bringing this yacht into the class, ready for legal competition at any level.

Joe Knowles

6/8/86

To: G. Knowles
Chief Measurer

Subject: Yacht #6601 Measurement
Certificate

Reference: a) Submitted Certificate
5/13/86
b) Telcon 5/29/86 Nylund-Knowles

be-
cenc.
COPY
Sorry for my errors on the ref a) certificate. The cockpit, chine and stem dimensions all should have been divided by 2. K4 was the old reading which I had them rework because we knew it was out. The LOA was a math error.

Hilton has shown me a valid flotation certificate he obtained by demonstrating compliance to a fleet officer. A copy is on file with the central office I am told. If you still want a redemonstration we will do it.

Thanks for your understanding
in this matter

Thomas C. Nylund Measurer

Page Four

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 *Joseph Frowl*
(Chairman International Measurement Committee)

Date 21 June 1986