

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 fully completed by the certified measurer in duplicate. Both copies are to be sent to the ISCYRA Central Office.
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 may not measure a yacht in which he owns an interest except as provided by ISCYRA Rule 33.2

CONDITIONS UNDER WHICH CERTIFICATE IS ISSUED:

1. This certificate is not valid unless it bears the stamp of the ISCYRA and is signed by the chairman of the International Measurement Committee. This certificate may be revoked at any time by order of the International Measurement Committee or the International Governing Committee. It is invalid if any structural changes are made which affect the yacht's dimensions or its compliance with ISCYRA Rules.
2. This certificate shall be binding on all members, fleets, clubs, or organizations conducting races for the Star Class.
3. This certificate shall be replaced when the yacht is altered or sold. For replacement of the certificate contact the ISCYRA Central Office.
4. ISCYRA Rule 33.3 limits re-measurement of a yacht having a valid certificate.



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 ISCYRA.

Signed *John F. Kenn*
(Chairman International Measurement Committee)
Date 15 JULY 2005

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

YACHT NUMBER 7260

Builder William E. Buchan Year Built 1988

Builder's Hull Number -- Construction Material GRP

Type and location of yacht number in hull Number drilled into permanently installed Barney Post

Yacht Name FROLIC Fleet Puget Sound (PS)

Owner William Buchan

Address 2630 116th Avenue NE #100, Bellevue, WA 98004 USA

Remarks First measured 5-17-88. Complete measurement 12-27-91 by William F. Cabrall. New keel installed and completely measured on 10 March 2005 by Joseph Knowles.

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 William F. Cabrall

Signed William F. Cabrall Date 27-December 1991
(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 William E. Buchan

Signed William E. Buchan Date 27 December 1991
(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:

new keel
and find it to be in accordance with the current plans and specifications of the ISCYRA.

Print name Joseph Knowles

Signed Joseph Knowles Date 10 March 2005
(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)

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 23 JAN '92



OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

SEC. A.

1. Yacht's Number 7260
 2. Builder William E. Buchan
 3. Year Built 1988
 4. Builder's Hull Number none
 5. Material of Construction GRP
 6. Type and location of characters used to install yacht number in hull Number drilled into permanently installed Banner Post
 7. Yacht Name FROLIC
 8. Owner William E. Buchan
 9. Address 4025 94th N.E. Bellevue, Washington 98004
 10. Fleet Puget Sound
 11. Remarks Ht. of Point B = 427mm, First measured 5-17-88. Complete remeasurement 12-27-91 by William F. Cabral

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 William F. Cabral

Signed William F. Cabral Date 12-27-91
(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 William E. Buchan

Signed William E. Buchan Date 12-27-91
(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 William E. Buchan

Signed William E. Buchan Date 12-27-91
(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 William F. Cabral

Signed William F. Cabral Date 12-27-91
(Certified Star Class Measurer)

HULL MEASUREMENTS:

I.	
A	4678
B	1190
C	1276
E	2124
O	6678
P	311
R	2022
S	3
TA	15 1/2°
L.O.A.	6928

II.	
Chine Radius	OK
Stem Radius	OK
Side Flatness	OK

III.	
Rudder Template	OK
Thickness	25
Post Dia.	25

IV.	
Skeg Depth	413
Skeg Contour	Straight line

V.
Heights Above Baseline:

Stations	1	3	6	8	10
Keel	486	247	102	182	390
Chine		317	232	293	449
Side	417	790	740	703	675
Bottom Arc		OK	OK	OK	OK

VI.					
Half Breadths:					
Stations	1	3	6	8	Stern
Deck	206	602	853	786	490
Chine	297 95	408	674	626	415

VII.
Buoyancy: (Builder)
Hull 0.9074 m³
Tanks 1.1056 m³
Compartments —
Closed Cell Foam —
Air Bags —
Total: 2.013 m³ or 2.013 d³

Keel Heights					
Station	2	4	5	7	9
	354	169	120	129	278

KEEL MEASUREMENTS:

K1	1154
K2	1228
K3	36
K4	1360
K5	26
K6	775
K7	215
K8	309
K9	415
K10	965
K11	94
K12	91
K13	65
K14	290

WEIGHT CERTIFICATION:

Keel less finish 403 kg
Keel with finish "

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 William F. Cabral
Signed William F. Cabral 12-27-91
(Builder)

Yacht weight with rigging

Added Weight

Type and location of added weight

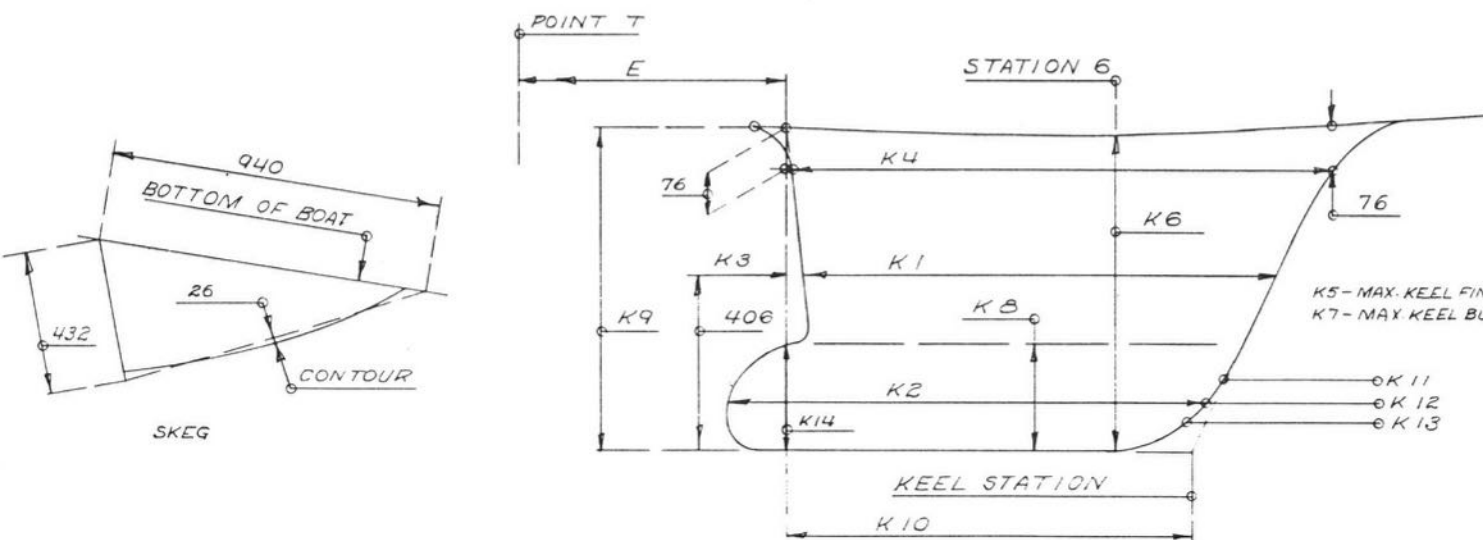
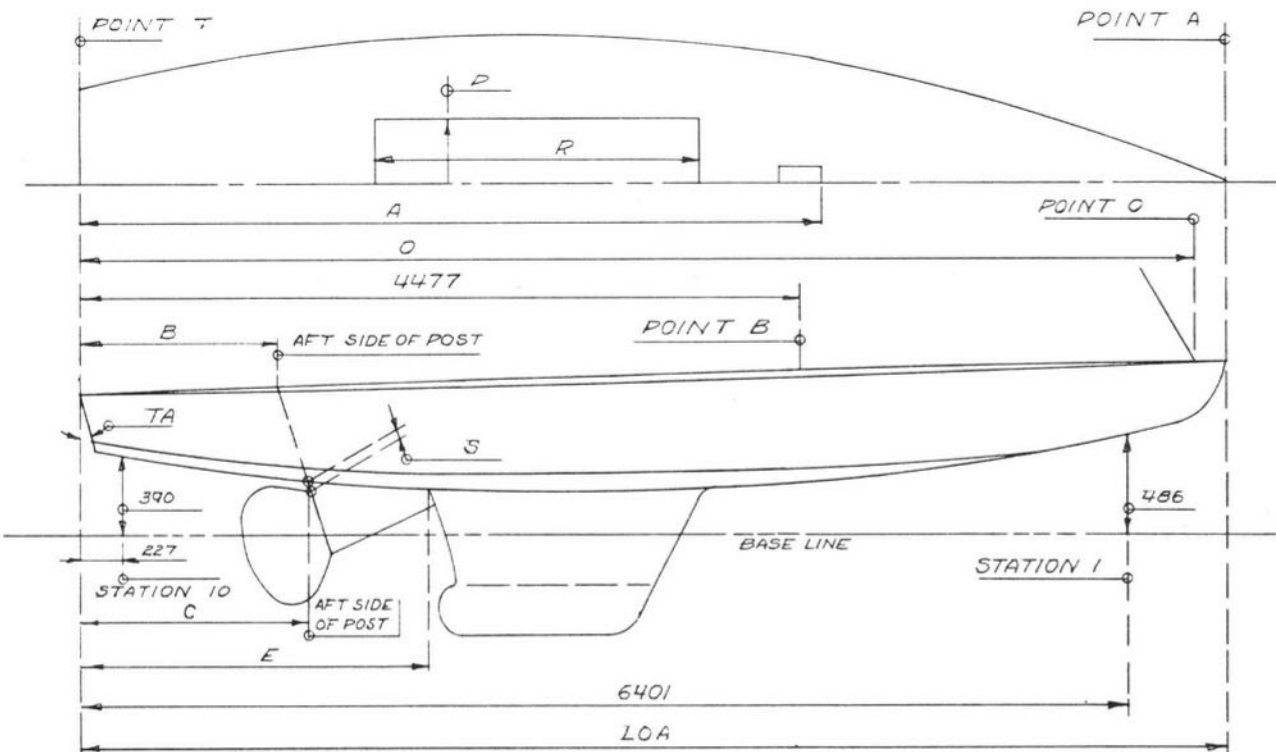
I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of reading.

Print name William F. Cabral
Signed William F. Cabral 12-27-91
(Builder, outfitter or owner)

COPY

MEASURER'S REMARKS:

Point B Height = 427 mm
First measured 5/18/88 by T. Nylund
Keel replaced 4/90 - measured by W. Cabral
Stern modified 4/91 - measured by W. Cabral
Hull lengthened, Keel moved 12/91
complete remeasurement 12/27/91
by William F. Cabral



International Star Class Yacht Racing Association
1545 Waukegan Road
Glenview, IL 60025-2185

March 13, 2005

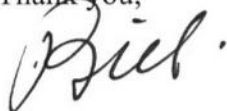
Gentlemen:

Here is the latest version of the measurement of #7260 together with a description of the various ownership changes:

1. The boat was sold by me to John Ekels in 1995 and a duplicate Certificate was issued to Mr. Ekels, the new owner.
2. At some later date, the boat was then sold to John Sharpe of Victoria, B.C. but apparently the paper work "certificate wise" was never filed with the Class.
3. Still later, in late 2003, I purchased the boat from Mr. Sharpe and began its restoration.
4. As part of the restoration, I purchased a keel from Folli that was weighed as per the enclosed certificate and then installed on the boat.
5. On March 10, 2005, Joe Knowles completely measured the keel, (the "K" measurements), together with the "E" measurement as per the enclosed certificate.

Joe tells me that the current procedure is for the Class to issue a new, copied certificate, showing all the changes, ownership measurement, weight, etc. I think the enclosed should be all that is needed to bring everything up to date. I hope all of this makes sense, with all that's going on these days, I'm sorry to add to your burden.

Thank you,



Bill Buchan

c.c. John Koopman
Joe Knowles

RECEIVED MAR 16 2005

RC

51

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

YACHT NUMBER 7260

Builder William E. Buchan

Year Built 1988

Builder's Hull Number --

Construction Material GRP

Type and location of yacht number in hull Number drilled into permanently installed Barney Post

Yacht Name FROLIC

Fleet Puget Sound (PS)

Owner William Buchan

Address 2630 116th Avenue NE #100, Bellevue, WA 98004 USA

Remarks First measured 5-17-88. Complete measurement 12-27-91 by
William F. Cabrall. New keel installed and completely measured on
10 March 2005 by Joseph Knowles.

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 William F. Cabrall

Signed William F. Cabrall
(Certified Star Class Measurer)

Date 27 December 1991

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 William E. Buchan

Signed William E. Buchan
(Builder)

Date 27 December 1991

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:
new keel

and find it to be in accordance with the current plans and specifications of the ISCYRA.

Print name Joseph Knowles

Signed Joseph Knowles
(Certified Star Class Measurer)

Date 10 March 2005

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 _____
(Owner)

Date _____

MEASUREMENTS:**HULL MEASUREMENTS:**

A 4678
 B 1190
 C 1276
 E 2155
 O 6678
 P 311
 R 2022
 Transom Angle 15.5°
 L.O.A. 6928
 Height of Point "B" 427
 Chine Radius ok
 Stem Radius ok
 Side Flatness ok
 Rudder Template ok
 Rudder Thickness 25
 Rudder Post Diameter 25
 Skeg Depth 413
 Skeg Contour straight line
 Tiller Material --

Last fully measured hull from this mold # --
 on --, --

This is hull number -- since that measurement.

KEEL MEASUREMENTS:

K1 1143
 K2 1225
 K3 33
 K4 1362
 K5 26
 K6 766
 K7 209
 K8 305
 K9 825
 K10 915
 K11 83
 K12 82
 K13 69
 K14 296

KEEL CERTIFICATION:

Keel weight 408 kg

I certify that the weight shown was taken on a scale that has been calibrated within the last year to an accuracy of .5% of reading, and that this keel conforms to the builders approved keel plan, dated --, -- on file at ISCYRA.

William E. Buchan
 (Signature - ~~William E. Buchan~~)
 Builder

HEIGHTS ABOVE BASELINE:

Station	1	2	3	4	5	6	7	8	9	10
Keel	486	354	247	169	120	102	129	182	278	390
Chine	X	X	317	X	X	232	X	293	X	449
Side	817	X	790	X	X	740	X	703	X	675
Bottom Arc	X	X	ok	X	X	ok	X	ok	X	ok

HALF BREADTHS:

Station	1	3	6	8	Stern
Deck	206	602	853	786	490
Chine	95	408	674	626	415

BUOYANCY:

Contained in Hull Lay-up 0.9074 m³

Airtight Compartments --

Other Tanks 1.1056 m³

Total: 2.013m³ or 2.013 m³

measured by Joseph Knowles on 10 March 2005.

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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 ISCYRA.

Signed Joseph Knowles 23 Jan 92
(Chairman International Measurement Committee)

Date Duplicate Issued 1.13.95
by Sherry Hughes - Exec. Sec.

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

YACHT NUMBER 7260
Builder W.E. Buchan Year Built 1988
Builder's Hull Number — Construction Material GRP
Type and location of yacht number in hull drilled into permanently installed Barney Post
Yacht Name — Fleet English Bay (EB)
New Owner ~~John E. Eels~~ William Buchan Puget Sound (PS)
Address ~~2001 1st Ave S, Seattle, WA 98148~~
Remarks P.O. BOX, Medina, WA 98039

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 William F. Cabrell
Signed William F. Cabrell Date 12.27.91
(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 William E. Buchan
Signed William E. Buchan Date 12.27.91
(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:
modifications to transom & aft deck - new keel
and find it to be in accordance with the current plans and specifications of the ISCYRA.

Print name William F. Cabrell Joseph Knowles
Signed William F. Cabrell Joseph Knowles Date 12.27.91
(Certified Star Class Measurer)

10 MAR 05

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)

YACHT NUMBER 7260

MEASUREMENTS:

HULL MEASUREMENTS:

A 4678
B 1190
C 1376
E 2124
O 1678
P 311
R 3002
Transom Angle 15'12"
L.O.A. 6938
Height of Point "B" 427
Chine Radius OK
Stem Radius OK
Side Flatness OK
Rudder Template OK
Rudder Thickness 33
Rudder Post Diameter 33
Skeg Depth 413
Skeg Contour straight line
Tiller Material —

Last fully measured hull from this mold # —
on —, 19 —.
This is hull number — since that measurement.

HEIGHTS ABOVE BASELINE:

Station	1	2	3	4	5	6	7	8	9	10
Keel	486	354	247	169	130	102	139	182	278	310
Chine	X	X	X	X	X	X	X	X	X	X
Side	817	X	317	X	X	332	X	393	X	449
Bottom Arc	X	X	790	X	X	740	X	703	X	675
	X	X	OK	X	X	OK	X	OK	X	OK

HALF BREADTHS:

Station	1	3	6	8	Stern
Deck	206	602	853	786	490
Chine	93	408	674	626	415

KEEL MEASUREMENTS:

K1	1134	1143
K2	1338	1225
K3	38	33
K4	1360	1362
K5	26	26
K6	773	766
K7	215	209
K8	309	305
K9	815	825
K10	965	915
K11	94	83
K12	91	82
K13	65	69
K14	390	296

KEEL CERTIFICATION:

Keel weight 403 kg 408 kg
I certify that the weight shown was taken on a scale that has been calibrated within the last year to an accuracy of .5% of reading, and that this keel conforms to the builders approved keel plan, dated — 19 — on file at ISC YRA.

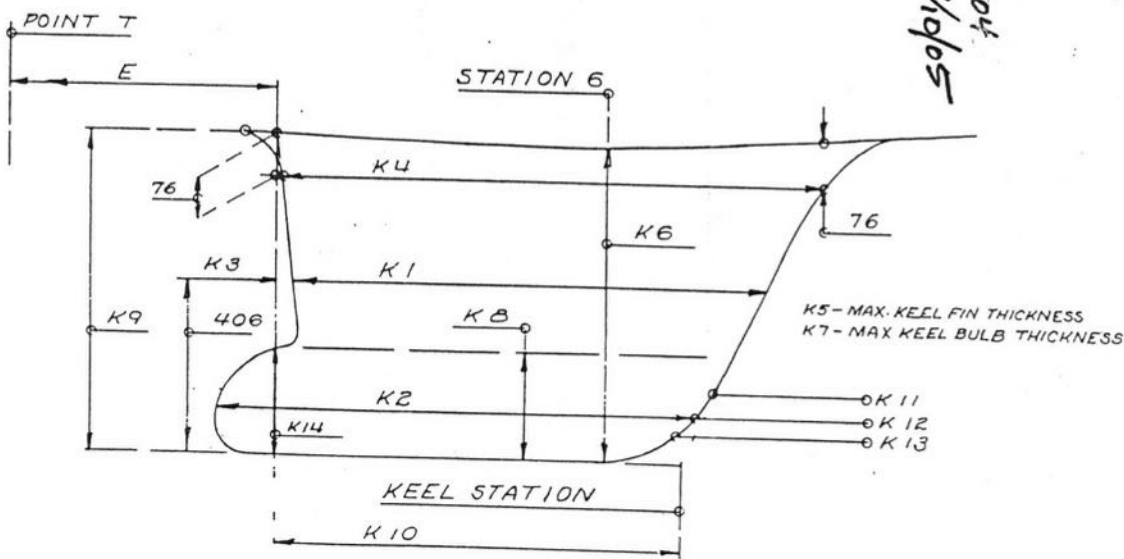
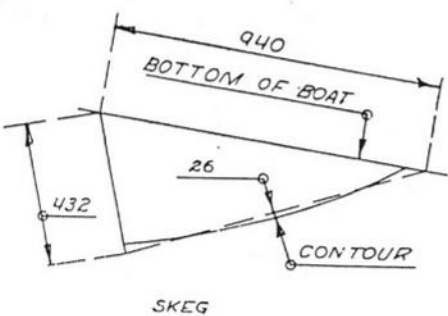
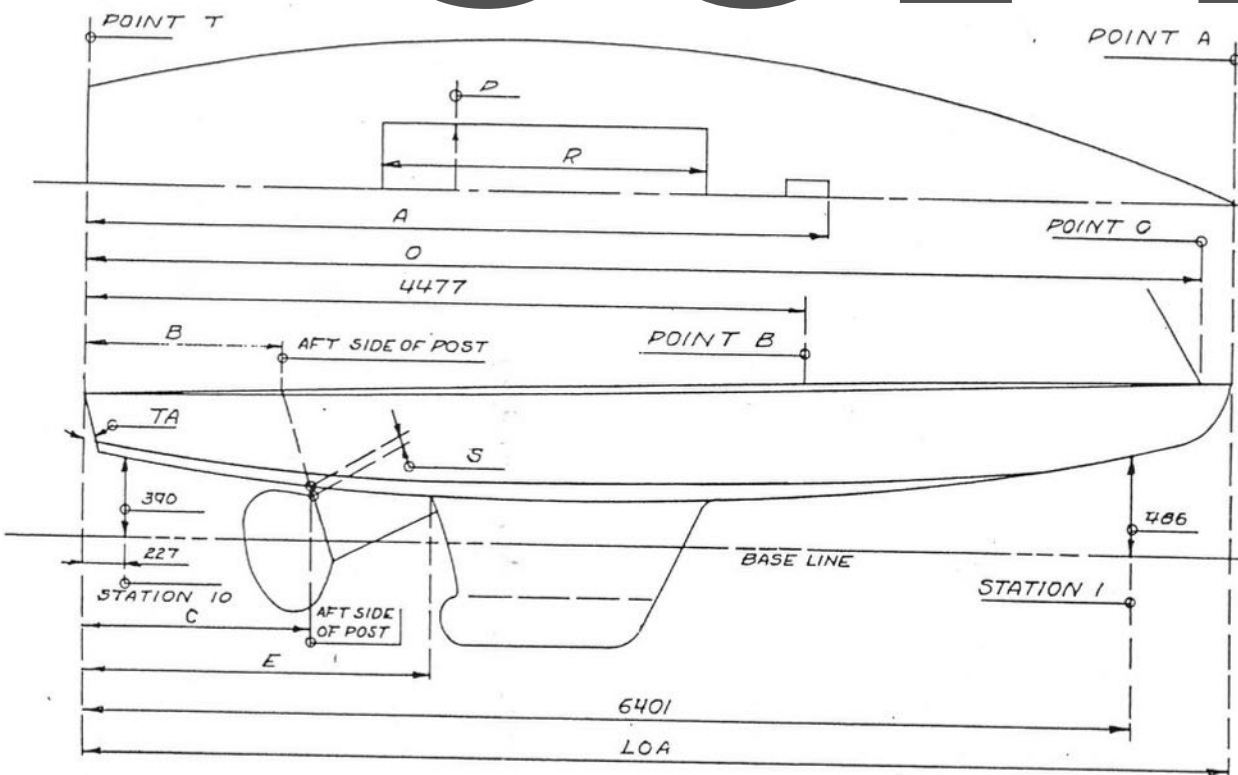
William F. Robson
(Signature - Certified Star Class Measurer)
Builder

Keel 1
Remeasured

Joseph Knowles 10 MAR 05

COPY

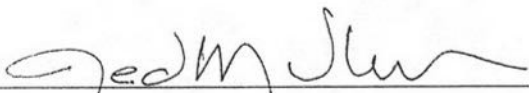
Keel replaced 4/90
stern modified 4/91
Hull lengthened, keel moved 12/91
Complete remeasurement 12/97/91
measured by W. F. Colwell
Keel replaced, again, in March 2004
measured by Joe Knowles on 3/10/05



Certificate of Weight

Folli manufactured Star Keel including fairing and epoxy coating, weight of 408 kg.
Ready for installation on Star #7260.

Weight taken on January 29, 2004. Scale certified by Mettler Toledo to be 100% accurate on
January 28, 2004.

By: 
Fleet Captain, Puget Sound Star Fleet

COPY

YACHT NUMBER

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

7260

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.

MAY 19 1988

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

Bill Buchan

Owner's Name

William Buchan

Owner or Representative's Signature

5/15/88

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.

F. Miller Fleet Captain

Witness's Name and Title

Fleet Captain

Witness' Signature

5/15/88

Date

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

7260

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.

3. Declarations must be signed as required.

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5. A certified measurer cannot measure a yacht in which he owns an interest.

Sec. D. CONDITIONS UNDER WHICH CERTIFICATE IS ISSUED:

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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 23 JAN '92

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

SEC. A.

1. Yacht's Number 7260
2. Builder William E. Buchan
3. Year Built 1988
4. Builder's Hull Number none
5. Material of Construction GRP
6. Type and location of characters used to install yacht number in hull
Number drilled into permanently installed Barney Post
7. Yacht Name FROLIC
8. Owner William E. Buchan
9. Address 4025 94th N.E. Bellevue, Washington 98004
10. Fleet Puget Sound
11. Remarks Ht. of Point B = 427mm. First measured 5-17-88. Complete remeasurement 12-27-91 by William F. Cabral

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 William F. Cabral

Signed William F. Cabral Date 12-27-91
(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 William E. Buchan

Signed William E. Buchan Date 12-27-91
(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 William E. Buchan

Signed William E. Buchan Date 12-27-91
(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 WM. BUCHAN

Signed William E. Buchan Date 10/8/94
(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 William F. Cabral

Signed William F. Cabral Date 12-27-91
(Certified Star Class Measurer)

YACHT NUMBER 7260

HULL MEASUREMENTS:

I.	A	4678
	B	1190
	C	1276
	E	2124
	O	6678
	P	311
	R	2022
	S	3
	TA	15 1/2°
	L.O.A.	6928

II.
Chine Radius OK
Stem Radius OK
Side Flatness OK

III.
Rudder Template OK
Thickness 25
Post Dia. 25

IV.
Skeg Depth 4/3
Skeg Contour Straight line

V.
Heights Above Baseline:

Stations	1	3	6	8	10
Keel	486	247	102	182	390
Chine		317	232	293	449
Side	417	790	740	703	675
Bottom Arc		OK	OK	OK	OK

VI. Half Breadths:	1	3	6	8	Stern
Stations	1	3	6	8	
Deck	206	602	853	786	490
Chine	8697.95	408	674	626	415

VII.
Buoyancy: (Builder)
Hull 0.9074 m³
Tanks 1.1056 m³
Compartments -
Closed Cell Foam -
Air Bags -
Total: 2.013 m³ or 2.013 d³

Station	2	4	5	7	9
Keel Heights	354	169	120	129	278

KEEL MEASUREMENTS:

K1	1154
K2	1228
K3	38
K4	1360
K5	26
K6	775
K7	215
K8	309
K9	815
K10	965
K11	94
K12	91
K13	65
K14	290

WEIGHT CERTIFICATION:

Keel less finish 403 Kg
Keel with finish "

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 William F. Cabral
Signed William F. Cabral Date 12.27.91
(Builder)

Yacht weight with rigging

Added Weight

Type and location of added weight

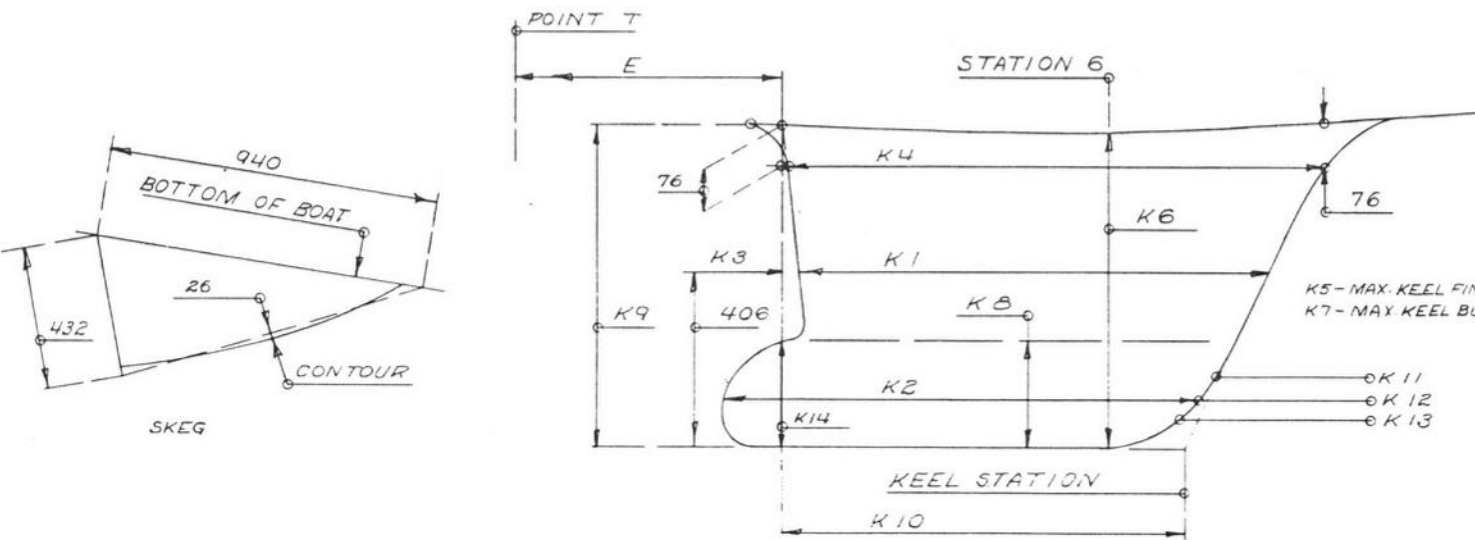
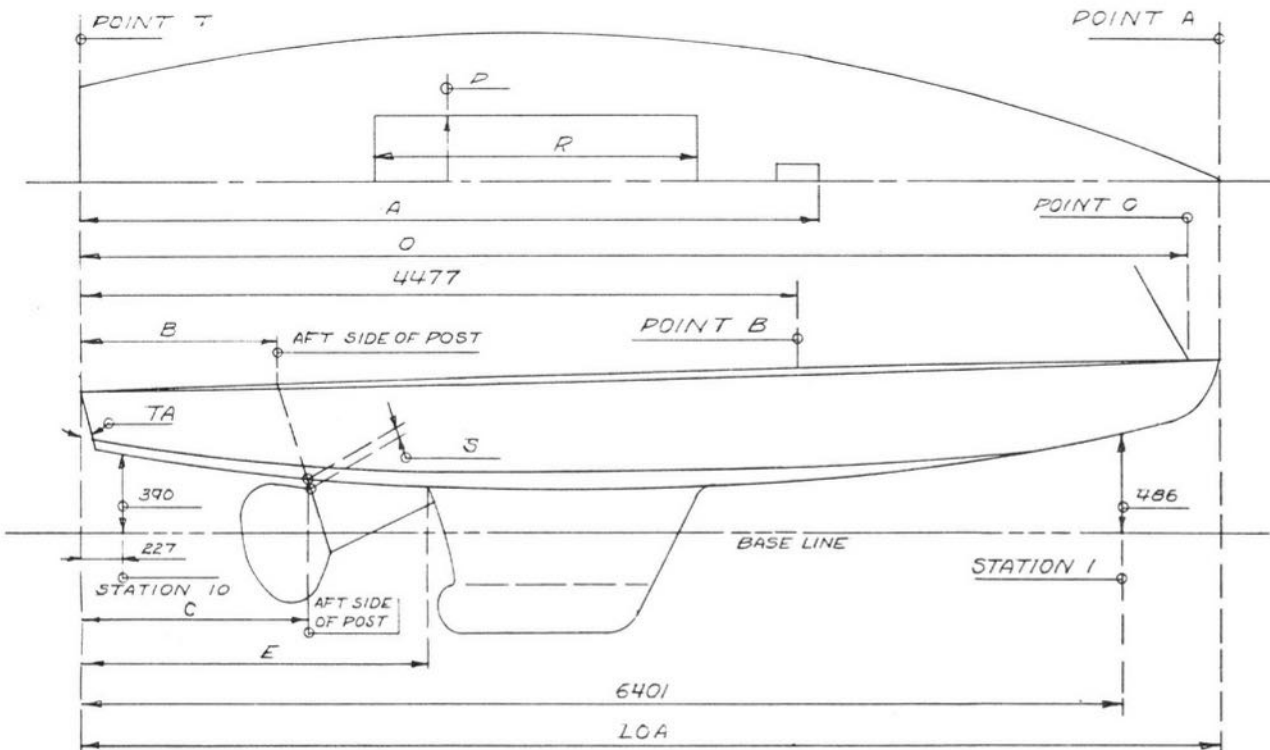
I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of reading.

Print name Wm. Cabral
SIGNED Wm. Cabral
(Builder, outfitter or owner)

COPY

MEASURER'S REMARKS:

Point B Height = 427mm
Originally measured 5/19/88 by T. Nylund
Keel replaced 4/90 - remeasured by W. Cabral
Stern modified 4/91 - remeasured by W. Cabral
Hull lengthened, Keel moved 12/91
complete remeasurement 12/27/91
by William F. Cabral



My term expires N/A

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

+260

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

Sup Issued
1.13.93
SH

YACHT NUMBER 7260

Builder W.E. Buchan

Year Built 1988

Builder's Hull Number —

Construction Material GRP

Type and location of yacht number in hull drilled into permanently installed Barney Post

Yacht Name —

Fleet English Bay (EB)

Owner John Ekels

Address 9081 Tattle St., Box 100, Fort Langley BC, V1M 2R4, Canada

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 William F. Cabrell

Signed William F. Cabrell
(Certified Star Class Measurer)

Date 12.27.91

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 William E. Buchan

Signed William E. Buchan
(Builder)

Date 12.27.91

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:

modifications to transom & aft deck
and find it to be in accordance with the current plans and specifications of the ISCYRA.

Print name William F. Cabrell

Signed William F. Cabrell
(Certified Star Class Measurer)

Date 12.27.91

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 —
(Owner)

Date —

YACHT NUMBER 7260

MEASUREMENTS:

HULL MEASUREMENTS:

A 4678
 B 1150
 C 1376
 E 2124
 O 6678
 P 311
 R 2022
 Transom Angle 15'12"
 L.O.A. 6928
 Height of Point "B" 427
 Chine Radius OK
 Stem Radius OK
 Side Flatness OK
 Rudder Template OK
 Rudder Thickness 25
 Rudder Post Diameter 25
 Skeg Depth 413
 Skeg Contour straight line
 Tiller Material —

Last fully measured hull from this mold # —
 on —, 19 —

This is hull number — since that measurement.

KEEL MEASUREMENTS:

K1 1154
 K2 1228
 K3 38
 K4 1360
 K5 36
 K6 775
 K7 215
 K8 309
 K9 815
 K10 965
 K11 94
 K12 91
 K13 65
 K14 290

KEEL CERTIFICATION:

Keel weight 403 Kg
 I certify that the weight shown was taken on a scale that has been calibrated within the last year to an accuracy of .5% of reading, and that this keel conforms to the builders approved keel plan, dated —, 19 — on file at ISCYRA.

William F. Buchan
 (Signature - Certified Star Class Measurer)
 Builder

HEIGHTS ABOVE BASELINE:

Station	1	2	3	4	5	6	7	8	9	10
Keel	486	354	247	169	120	102	129	182	278	390
Chine	X	X	317	X	X	232	X	293	X	449
Side	817	X	790	X	X	740	X	703	X	675
Bottom Arc	X	X	OK	X	X	OK	X	OK	X	OK

HALF BREADTHS:

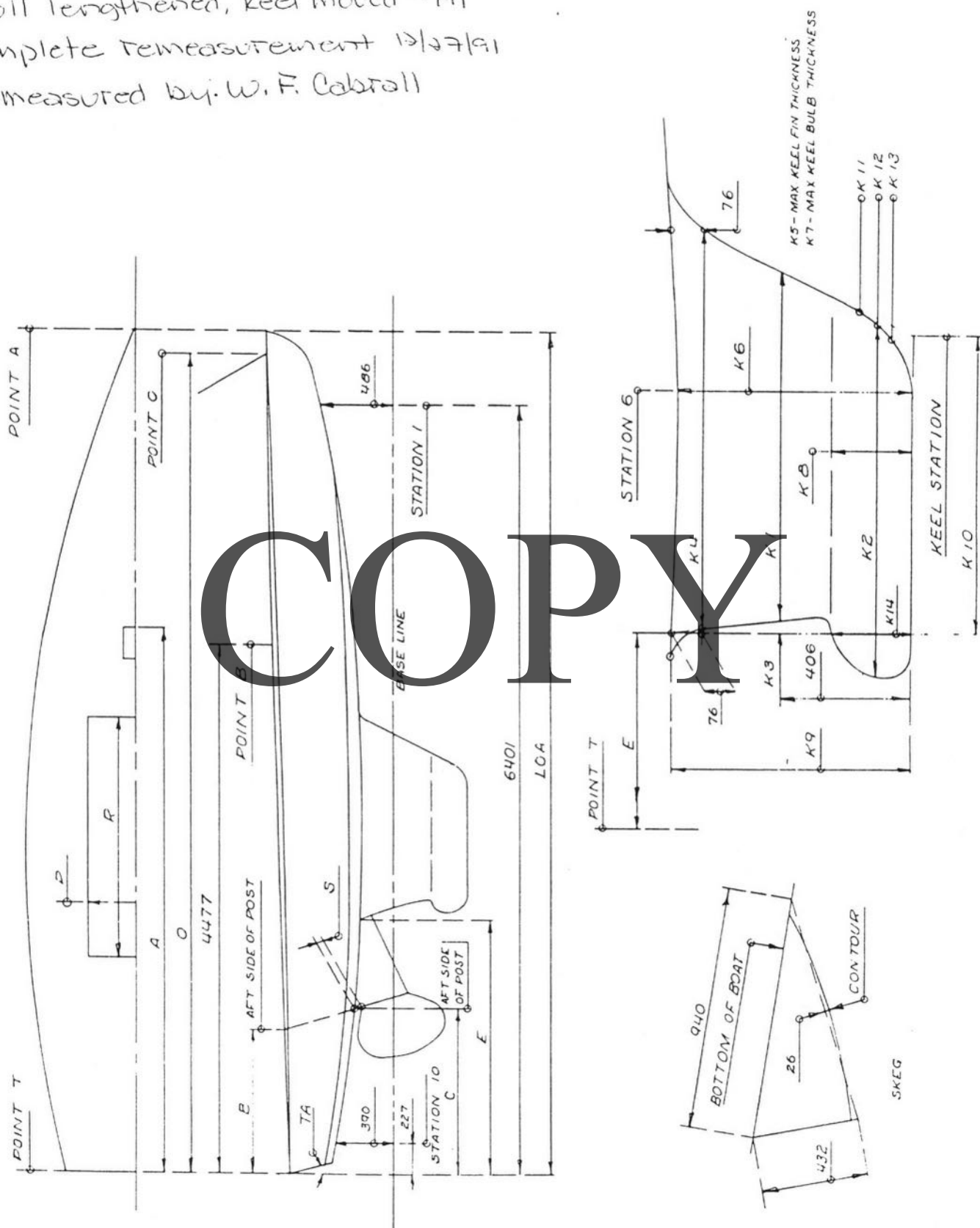
Station	1	3	6	8	Stern
Deck	206	602	853	786	490
Chine	95	408	674	626	415

BUOYANCY:

Contained in Hull Lay-up 0.9074 m³
 Airtight Compartments —
 Other Tanks 1.1056 m³

Total: 2.013 m³ or 2.013 Q³

Keel replaced 4/90
 Stern modified 4/91
 Hull lengthened, keel moved 12/91
 Complete remeasurement 12/27/91
 measured by W. F. Cabrelli



OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

SEC. A.

1. Yacht's Number 7260
2. Builder William E. Buchan
3. Year Built 1988
4. Builder's Hull Number none
5. Material of Construction GRP
6. Type and location of characters used to install yacht number in hull
Number drilled into permanently installed Barney Post
7. Yacht Name FROLIC
8. Owner William E. Buchan
9. Address 4025 94th N.E. Bellevue, Washington 98004
10. Fleet Puget Sound
11. Remarks Ht. of Point B = 427 mm. First measured 5-17-88. Complete remeasurement 12-27-91 by William F. Cabraill

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 William F. Cabraill

Signed William F. Cabraill Date 12-27-91
(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 William E. Buchan

Signed Wm. Buchan Date 12-27-91
(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 William E. Buchan

Signed Wm. Buchan Date 12-27-91
(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 William F. Cabraill

Signed William F. Cabraill Date 12-27-91
(Certified Star Class Measurer)

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 James F. Wright
(Chairman International Measurement Committee)

Date 17 JUN 91

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

SEC. A.

1. Yacht's Number 7260
 2. Builder William E. Buchan
 3. Year Built 1988
 4. Builder's Hull Number none
 5. Material of Construction GRP
 6. Type and location of characters used to install yacht number in hull Number Drilled into permanently installed Barney Post
 7. Yacht Name FROLIC
 8. Owner William E. Buchan
 9. Address 4025 94th N.E., Bellevue Washington 98004
 10. Fleet Puget Sound
 11. Remarks Ht at Point B = 427 mm. First measured 5-17-88 by Thomas C. Nyland
Keel replaced 4/90 remeasured by W.F. Cabral 4-21-90. Stern remeasured 4/25/91 following Mods.

SEC. B. DECLARATIONS: Remeasurement done by W.F. Cabral

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. Nyland / William F. Cabral

Signed f/s Thomas C. Nyland 5/18/88 W.F. Cabral Date 5/2/90 and 5/13/91
(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 Bill Buchan

Signed f/s William E. Buchan Date 5/17/88 and 5/6/90
(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 Bill Buchan

Signed f/s William E. Buchan Date 5/17/88 and 5/6/90
(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 BC~~ BC 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 William F. Cabral

Signed William F. Cabral Date 5-13-91
(Certified Star Class Measurer) f/s William F. Cabral 5-6-90

HULL MEASUREMENTS:

I.	A	4640
	B	1190
	C	1293
	E	2120
	O	6648
	P	311
	R	2022
	S	5
	TA	15°
	L.O.A.	6913

II.	Chine Radius	OK
	Stem Radius	OK
	Side Flatness	Flat aft of Sta 2 9.5mm max fwd of Sta 2

III.	Rudder Template	OK
	Thickness	25
	Post Dia.	25

IV.	Skeg Depth	410
	Skeg Contour	Straight Line

V. Heights Above Baseline:

Stations	1	3	6	8	10
Keel	486	243	97	178	390
Chine		314	332	298	445
Side		91	743	711	614
Bottom Arc		Fits	± Templates		OK

VI.	Half Breadths:				
Stations	1	3	6	8	Stern
Deck	199	598	851	785	499
Chine	95	401	670	657	415

VII.	Buoyancy: (Builder)	
	Hull	0.9074 m ³
	Tanks	1.1056 m ³
	Compartments	—
	Closed Cell Foam	—
	Air Bags	—
	Total	2.013 m ³ 2.013 L

KEEL MEASUREMENTS:

K1	1152
K2	1238
K3	34
K4	1370
K5	26
K6	777
K7	215
K8	311
K9	812
K10	925
K11	84
K12	84
K13	67
K14	310

WEIGHT CERTIFICATION:

Keel less finish	405 Kg
Keel with finish	"

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 Bill Buchan

Signed Wt. Calvell Date 5/2/90
(Builder) Wt. Calvell (measurer)

Yacht weight with rigging

Added Weight _____
Type and location of added weight _____

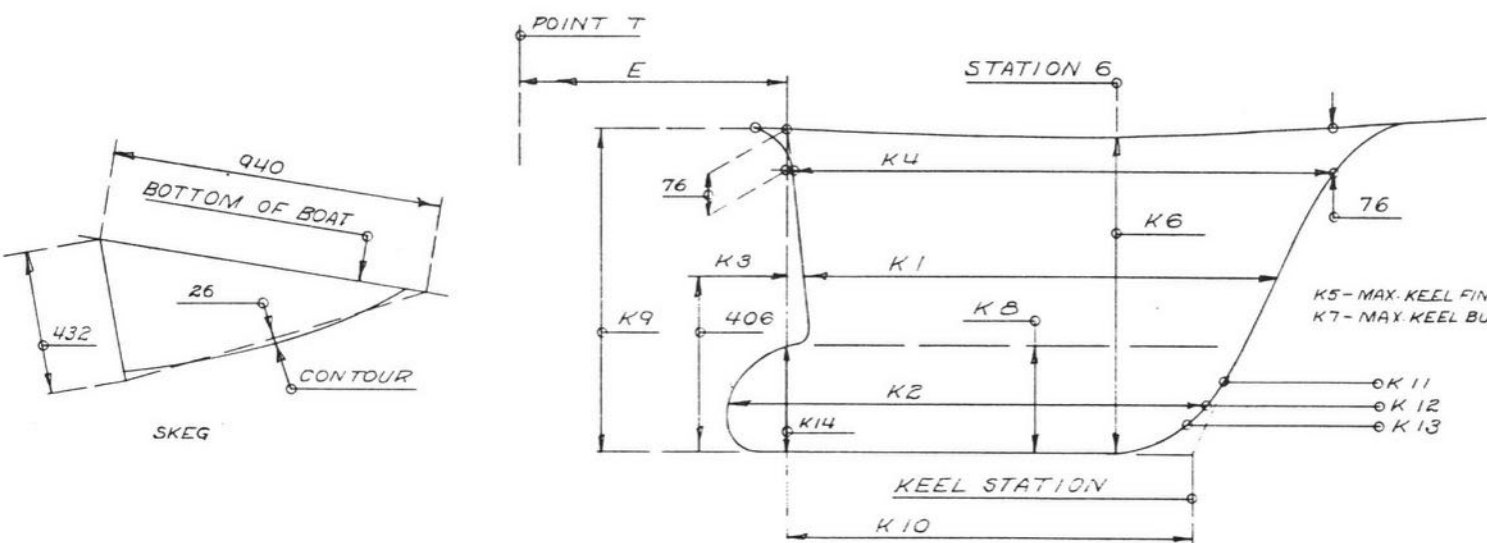
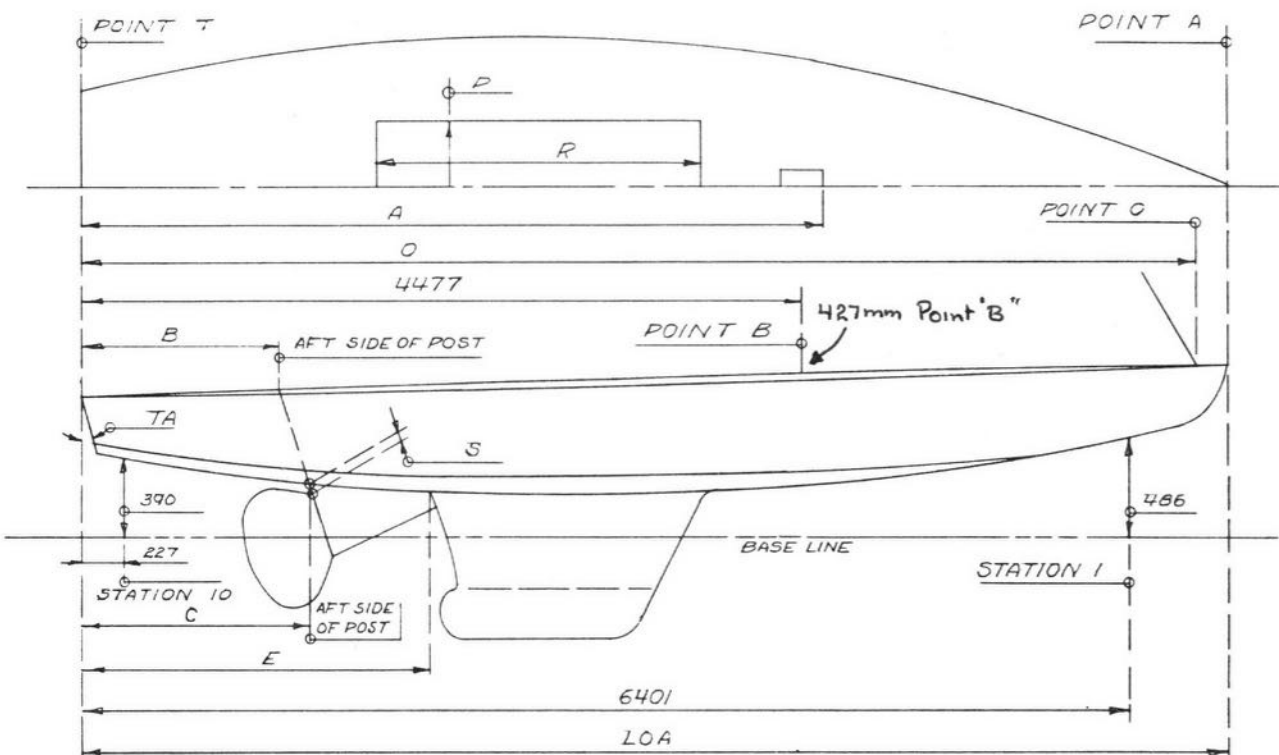
I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of reading.

Print name Bill Buchan

SIGNED W. Buchan 5/17/88 and 5/6/90
(Builder, outfitter or owner)

MEASURER'S REMARKS:

Point "B" Height shown on plan
Keel replaced 4/90
E, Skeg Depth/Contour, Keel weight
K1 thru K14 remeasured 4/90
by Wt. Calvell
Stern modified 4/91
Stern, Stations 8, 10 remeasured 5/91
by Wt. Calvell



TEMPORARY MEASUREMENT CERTIFICATE

Date Measured: 12-27-91

Date Issued: 12-27-91

Expiration Date: 2-11-92
(45 days after Date Issued)

I have measured Star # 7260 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: William F. Caball, Certified Measurer

Print Name: _____

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

Bill Buchanan

REC'D JAN 2 1992

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



Yacht Number: 7260

Owner William E. Buchan

Address 4025 94TH N.E.

Bellevue, Washington 98004

USA

Fleet Puget Sound

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

0.0 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 William F. Cabral

Print name William F. Cabral

My term expires N/A

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

7260 P

REC'D AUG 4 1991

William F. Cabrall
ISCYRA Measurer
23317 61st Avenue South #DD204
Kent, Washington, 98032

7 June, 1991

ISCYRA
1545 Waukegan Road
Glenview, Illinois 60025-2185

Dear sir,

I have remeasured Star #7260 following modifications to the transom and aft deck. Copies of the revised measurement certificate and temporary measurement certificate are attached. Please forward them to the chief measurer for approval.

The modifications consisted of a slit cut down the outboard sides of the transom and extended forward along the hull/deck joint for approximately 36". A thin wedge (~1/8") was inserted into this slit and the boat reassembled. This had the effect of widening the aft sections of the hull at the deck.

I leveled the boat and remeasured the transom, station 8, and station 10, finding nothing out of specifications. I am confident that this boat remains a Star and that there is no reason to withhold the issuance of a new certificate.

Sincerely,

William F. Cabrall
William F. Cabrall

REC'D JUN 7 1991

TEMPORARY MEASUREMENT CERTIFICATE

Date Measured: April 24, 1991

Date Issued: May 31, 1991

Expiration Date: July 15, 1991
(45 days after Date Issued)

I have measured Star # 7260 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: William F. Cabrell, Certified Measurer

Print Name: William F. Cabrell

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

REC'D JUN 7 1991

7260

William F. Cabrall
ISCYRA Measurer
23317 61st Avenue South #DD204
Kent, Washington, 98032

7 June, 1991

ISCYRA
1545 Waukegan Road
Glenview, Illinois 60025-2185

Dear sir,

I have remeasured Star #7260 following modifications to the transom and aft deck. Copies of the revised measurement certificate and temporary measurement certificate are attached. Please forward them to the chief measurer for approval.

The modifications consisted of a slit cut down the outboard sides of the transom and extended forward along the hull/deck joint for approximately 36". A thin wedge (~1/8") was inserted into this slit and the boat reassembled. This had the effect of widening the aft sections of the hull at the deck.

I leveled the boat and remeasured the transom, station 8, and station 10, finding nothing out of specifications. I am confident that this boat remains a Star and that there is no reason to withhold the issuance of a new certificate.

Sincerely,

William F. Cabrall
William F. Cabrall

REC'D JUN 7 1991

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



Yacht Number: 7260

Owner BILL BUCHAN

Address 4025 94 NE.

BELLEVUE, WA 98004

Fleet PS

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
16.0 **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 Richardson

Print name DAVID RICHARDSON

My term expires N/A

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

AUG 2 1988

CENTRAL OFFICE

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

7260 P

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 30 MAY 1990

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

SEC. A.

1. Yacht's Number 7260
2. Builder William E. Buchan
3. Year Built 1988
4. Builder's Hull Number None
5. Material of Construction GRP
6. Type and location of characters used to install yacht number in hull Number drilled permanently into barney Post
7. Yacht Name FROLIC
8. Owner William E. Buchan
9. Address 4025 94th N.E., Bellevue Washington, 98004
10. Fleet Puget Sound
11. Remarks Ht of Point "B" = 427 mm. First measured 5-17-88 by Thomas C. Nylund. Keel replaced 4/90 and remeasured by William F. Cabrell 4-21-90

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. Nylund/William F. Cabrell

Signed f/s T.C. Nylund 5/17/88 W.F. Cabrell Date 5/2/90
(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 Bill Buchan

Signed William E. Buchan Date 5-6-90
(Builder) f/s William E. Buchan 5/17/88

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 Bill Buchan

Signed William E. Buchan Date 5-6-90
(Outfitter) f/s William E. Buchan 5/17/88

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 Bill Buchan William F. Cabrell

Signed William E. Buchan William F. Cabrell Date 5-6-90
(Certified Star Class Measurer)

HULL MEASUREMENTS:

I.	
A	4640
B	1190
C	1293
E	2120
O	6648
P	311
R	2022
S	5
TA	15°
L.O.A.	6913

II. Chine Radius OK
Stem Radius OK
Side Flatness Aft of Sta 2 dead flat
Fwd of Sta 2 9.5 mm max

III. Rudder Template Fts OK
Thickness 25
Post Dia. 25

IV. Skeg Depth 410
Skeg Contour Straight line

V. Heights Above Baseline:

Stations	1	3	6	8	10
Keel	486	243	97	178	390
Chine		314	232	289	450
Side		791	743	711	677
Bottom Arc		F1Ts	± Templates		

VI. Half Breadths:					
Stations	1	3	6	8	Stern
Deck	199	598	851	785	487
Chine	95	401	670	634	416

VII. Buoyancy: (Builder)
Hull O. 4074 m³
Tanks 1.1056 m³
Compartments —
Closed Cell Foam —
Air Bags —
2.013 m³
2,013 l

KEEL MEASUREMENTS:

K1	1152
K2	1238
K3	34
K4	1370
K5	26
K6	777
K7	215
K8	311
K9	812
K10	925
K11	84
K12	84
K13	67
K14	310

WEIGHT CERTIFICATION:

Keel less finish 405 Kg
Keel with finish "

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 Bill Buchanan
Signed WFB Date 5/2/90
(Builder) W.F. Cahall (measurer)

Yacht weight with rigging

Added Weight
Type and location of added weight

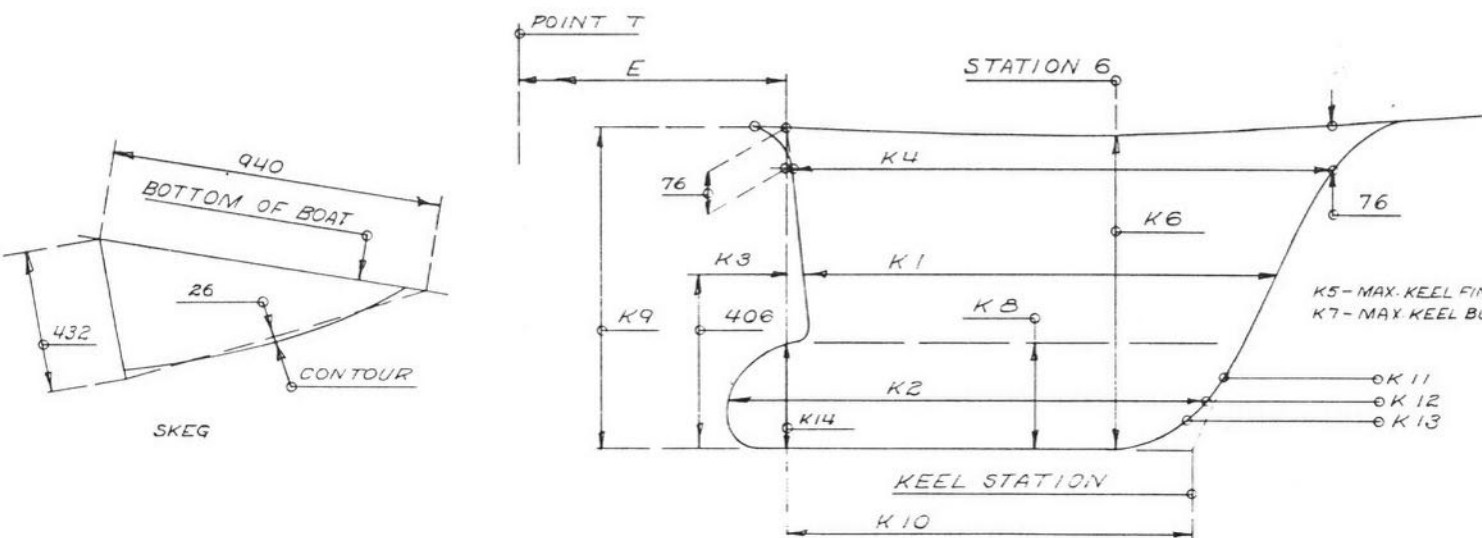
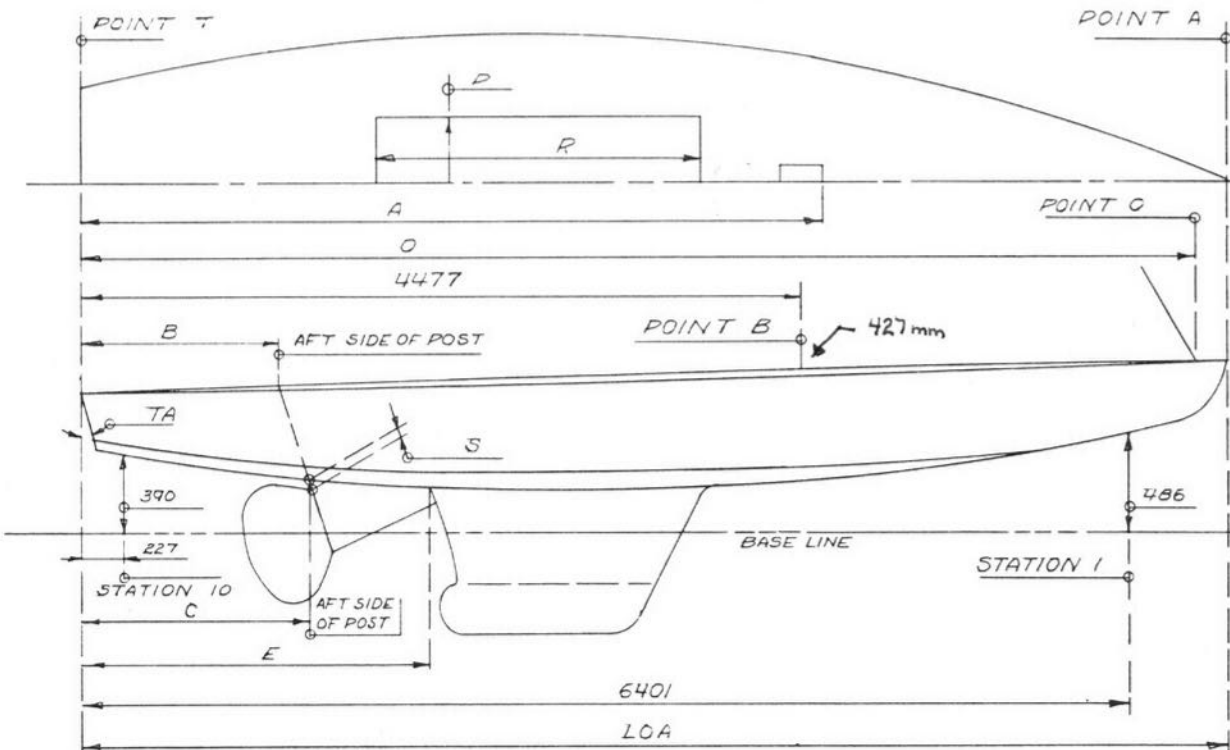
I certify that the weights shown are correct and were measured on a scale that has been calibrated within the last year to an accuracy of .5% of reading.

Print name Bill Buchanan
SIGNED W.F. Cahall
(Builder, outfitter or owner)

COPY

MEASURER'S REMARKS:

Point "B" Height shown on plan
Keel replaced 4/90
E, Skeg Depth/Contour, Keel wt.
K1 thru K14 remeasured 4/90
by W.F. Cahall



23 May 1990

William F. Cabral
11120 SE 251st Court #2
Kent, Washington 98031

ISCYRA
1545 Waukegan Road
Glenview, IL 60025-2185

Dear Doris

I recently remeasured Star # 7260 after it's owner replaced the keel. The new measurement certificates are enclosed with this letter.

Please forward them to the International Measurement Committee for approval.

Very truly yours

William F. Cabral
William F. Cabral

COPY

REC'D MAY 20 1990

7260

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

SEC. A.

1. Yacht's Number 7260
2. Builder William E. Buchan
3. Year Built 1988
4. Builder's Hull Number None
5. Material of Construction GRP
6. Type and location of characters used to install yacht number in hull Number
drilled permanently into barney Post
7. Yacht Name FROLIC
8. Owner William E. Buchan
9. Address 4025 94th N.E., Bellevue Washington, 98004
10. Fleet Puget Sound
11. Remarks Ht of Point "B" = 427 mm. First measured 5-17-88 by Thomas C. Nylund.
Keel replaced 4/90 and remeasured by William F. Cabrell 4-21-90

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. Nylund/William F. CabrellSigned f/s T.C. Nylund 5/17/88 W.F. Cabrell Date 5/2/90
(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 Bill BuchanSigned William E. Buchan Date 5-6-90
(Builder) f/s William E. Buchan 5/17/88

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 Bill BuchanSigned William E. Buchan Date 5-6-90
(Outfitter) f/s William E. Buchan 5/17/88

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 ~~Bill Buchan~~ William F. CabrellSigned William F. Cabrell Date 5-6-90
(Certified Star Class Measurer)

YACHT NUMBER 7260

HULL MEASUREMENTS:

I.

A 4640
 B 1190
 C 1293
 E 2120
 O 6648
 P 311
 R 2022
 S 5
 TA 15"
 L.O.A. 6913

II.

Chine Radius OK
 Stem Radius OK
 Side Flatness Aft of Sta 2 dead flat
 Fwd of Sta 2 9.5 mm max

III.

Rudder Template Fits OK
 Thickness 25
 Post Dia. 25

IV.

Skeg Depth 410
 Skeg Contour Straight line

V.

Heights Above Baseline:

Stations	1	3	6	8	10
Keel	486	243	97	178	390
Chine	X	314	232	289	450
Side	812	791	743	711	677
Bottom Arc	X	Fits	± Templates		

VI.

Half Breadths:

Stations	1	3	6	8	Stern
Deck	199	598	851	785	487
Chine	95	401	670	634	416

VII.

Buoyancy: (Builder)

Hull 0.9074 m³
 Tanks 1.1056 m³
 Compartments —
 Closed Cell Foam —
 Air Bags —
 2.013 m³
 2,013 l

KEEL MEASUREMENTS:

K1 1152
 K2 1238
 K3 34
 K4 1370
 K5 26
 K6 777
 K7 215
 K8 311
 K9 912
 K10 925
 K11 84
 K12 84
 K13 67
 K14 310

WEIGHT CERTIFICATION:

Keel less finish 405 Kg
 Keel with finish

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 Bill Buchanan

Signed W/B Date 5/2/90
 (Builder) W.F. Cabral (measurer)

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 Bill Buchanan

SIGNED W. Buchanan
 (Builder, outfitter or owner)

MEASURER'S REMARKS:

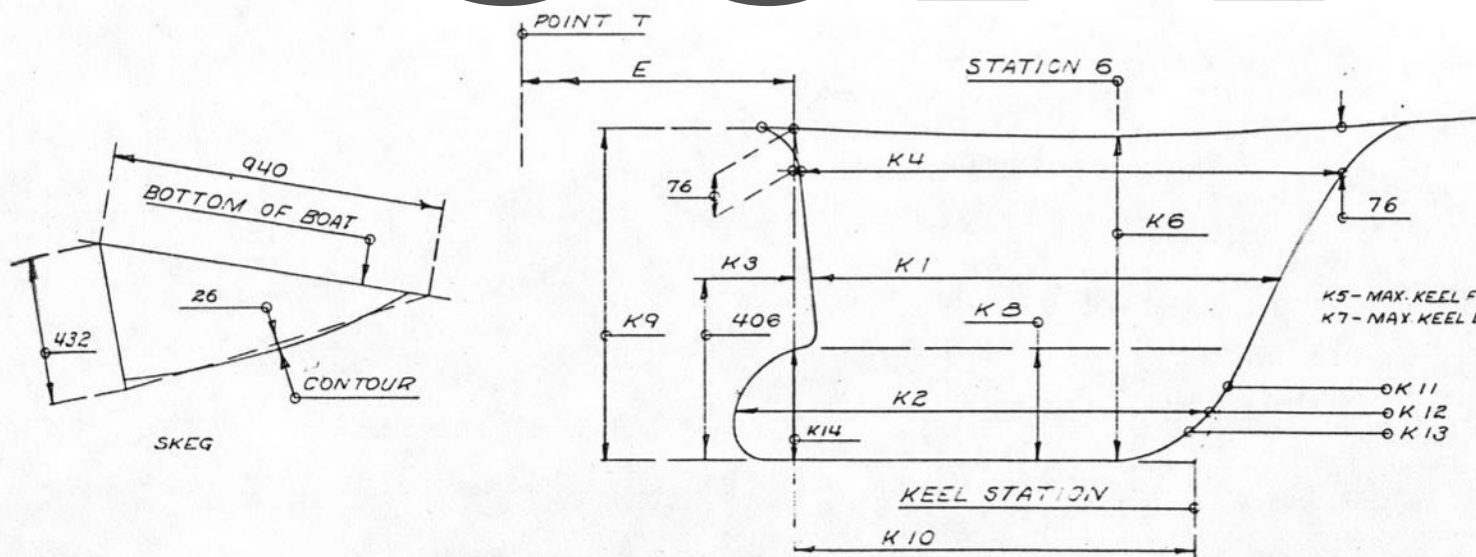
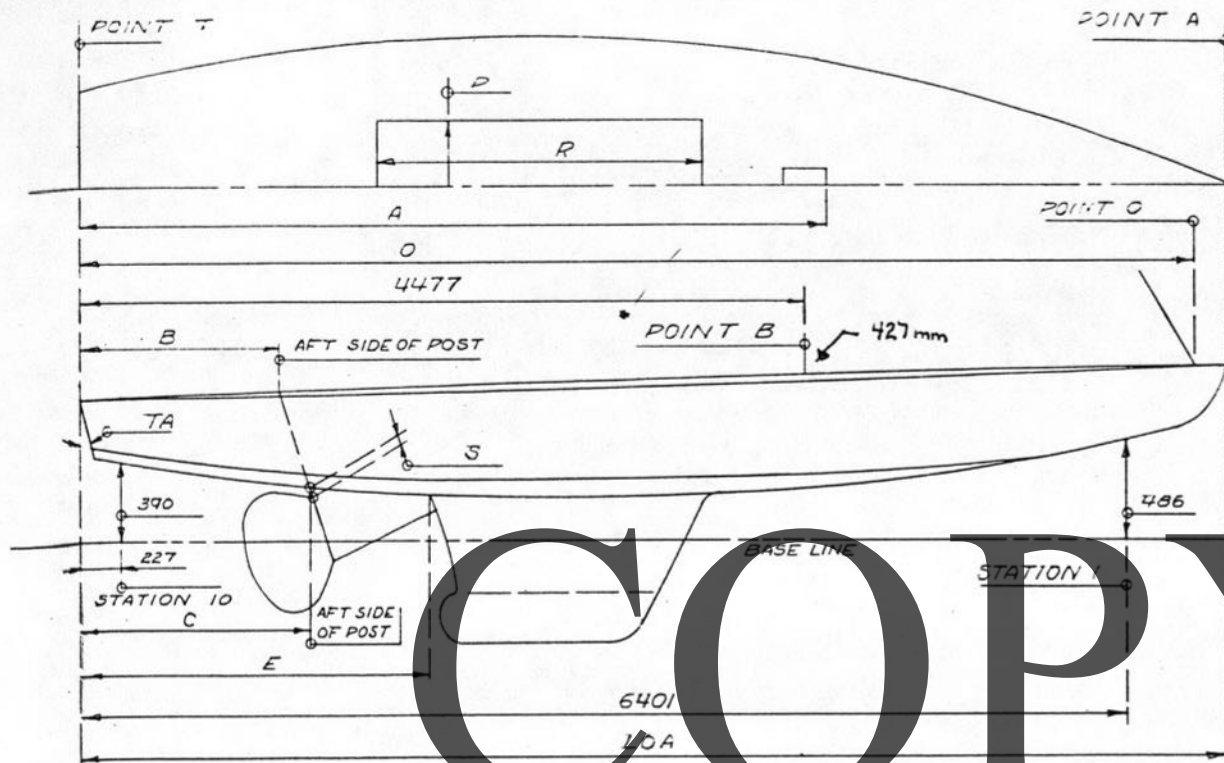
Point "B" Height shown on plan

Keel replaced 4/90

E, Skeg Depth/Contour, Keel wt.

K1 thru K14 remeasured 4/90

by W.F. Caball



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.

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 Frederic Knowle
(Chairman International Measurement Committee)

Date 20 JUN 1988

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

SEC. A.

- 72606
1. Yacht's Number 7260
 2. Builder William E. Buchan
 3. Year Built 1988
 4. Builder's Hull Number None
 5. Material of Construction GRP
 6. Type and location of characters used to install yacht number in hull Number drilled into permanently installed barney post.
 7. Yacht Name FROLIC
 8. Owner William E. Buchan
 9. Address 4025 94th N.E. Bellevue 98004 Washington
 10. Fleet Puget Sound
 11. Remarks Ht of Pt. "B" = 427 mm

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. Nyundo
Signed Thomas C. Nyundo Date 5/18/88
(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 BUCHAN BOAT CO.
Signed William E. Buchan Date 5-17-88
(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 BILL BUCHAN
Signed William E. Buchan Date 5-17-88
(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)

YACHT NUMBER 7260

HULL MEASUREMENTS:

I. 4640
A. 1190
B. 1253
C. 2126
E. 6648
O. 311
P. 2,022
R. 13
S. 15
TA. 6,913
L.O.A. 6,913

II. OK
Chine Radius OK
Stem Radius OK
Side Flatness Aft of sta 2 dead flat
Fwd of sta 2 9.5mm max

III. Firs OK
Rudder Template Firs OK
Thickness 25
Post Dia. 25

IV. 410
Skeg Depth 410
Skeg Contour Straight Line

V. ✓
Heights Above Baseline:

Stations	1	3	6	8	10
Keel	486	243	97	178	390
Chine	314	232	289	450	
Side	812	791	743	711	677
Bottom Arc	Firs ± Templates				

Half Breadths:	1	3	6	8	Stern
Stations	199	598	851	785	487
Deck	95	401	670	634	416
Chine					

VII. 0.9074m³
Buoyancy: (Builder)
Hull 1.1056m³
Tanks —
Compartments —
Closed Cell Foam —
Air Bags —

Total 2.013m³
2013

KEEL MEASUREMENTS:

K1 1145
K2 1225
K3 1359
K4 1359
K5 222
K6 774
K7 212
K8 308
K9 820
K10 940
K11 85
K12 93
K13 68
K14 300

WEIGHT CERTIFICATION:

Keel less finish 400kg
Keel with finish —

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 Bill Buchanan

Signed Bill Buchanan Date 5-17-84
(Builder)

Yacht weight with rigging 673.6 kg

Added Weight 19.95 kg

Type and location of added weight (6) lead blocks bolted to the decks underside.

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.

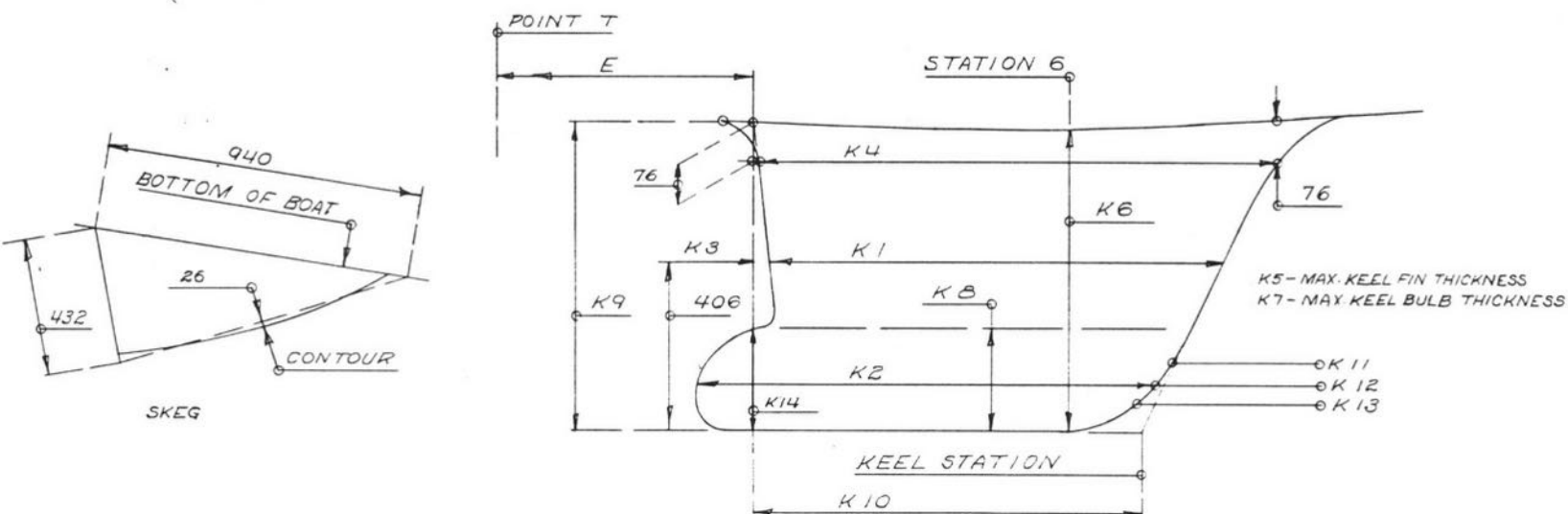
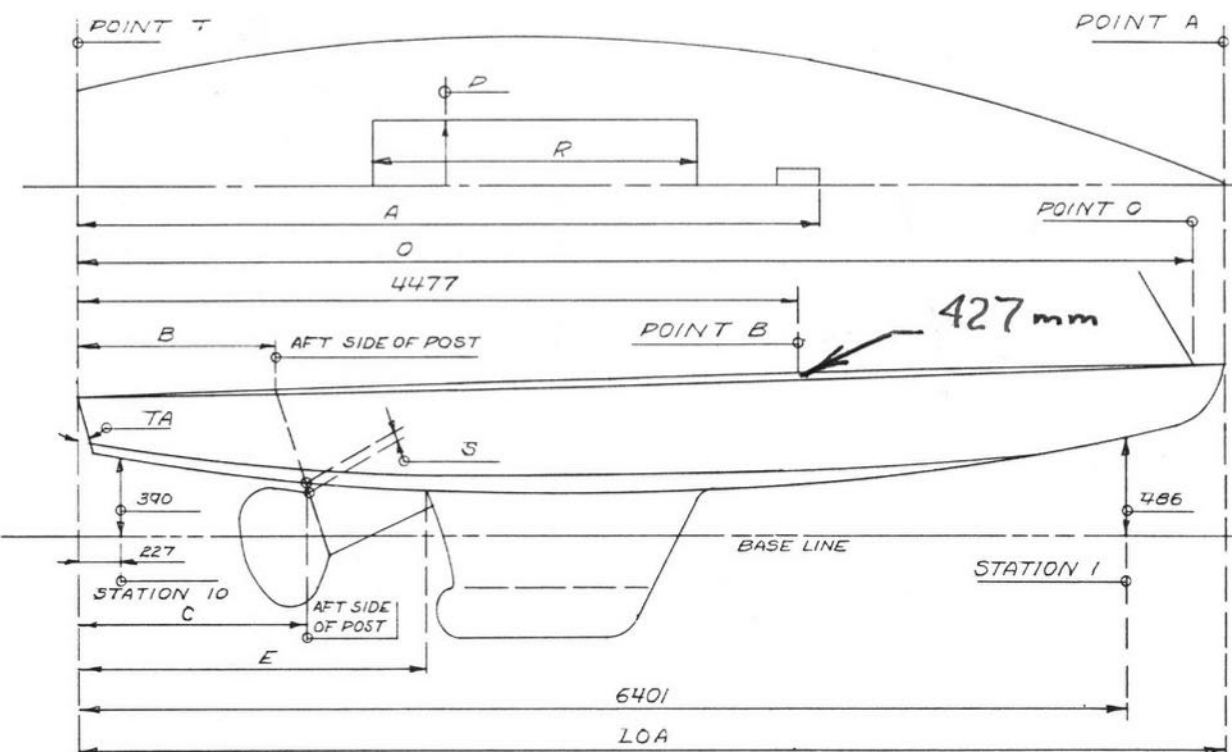
Print name Bill Buchanan

SIGNED Bill Buchanan
(Builder, outfitter or owner)

COPY

MEASURER'S REMARKS:

Point "B" height shown on plan



JOSEPH KNOWLES
ISCYRA ★ STAR CLASS YACHT MEASURER ★ IYRU

MEMO

1 June 1986

TO: Tom Nyland

FROM: Joe Knowles

RE: # 7260

Dear Tom:

Please re-check the following on Bill's boat:

1. Chine radius, minimum is 13 mm
(did you record the diameter? number
not needed; "OK" is sufficient)
2. Side height at Stn 4 - not recorded
3. Buoyancy: Minimum in lay-up is 340 l.

Everything else appears OK.

Best regards,

Joe

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

JUN 6 1988

CENTRAL OFFICE

Re 7260

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



Yacht Number: 7260

Owner William E. Buchan

Address 4025 94TH N. E.

Bellevue 98004

Washington

Fleet Puget Sound

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

19.95 KG

2.59 kg in EXCESS of *

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.

*Owner does not want to remove EXCESS weight.

Certified ~~Weighmaster:~~
Measurer

Signature Thomas C. Nyland

Print name THOMAS C. NYLUND

My term expires N/A

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

7260

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

MAY 23 1988

CENTRAL OFFICE

YACHT NUMBER 7260

HULL MEASUREMENTS:

I.
 A 4,640
 B 1,190
 C 1,293
 E 2,126
 O 6,648
 P 311
 R 2,022
 S 5
 TA 15°
 L.O.A. 6,913

II.

Chine Radius 25
 Stem Radius 100
 Side Flatness Aft of STA 2 dead flat
Fwd of STA 2 9.5mm max

III.

Rudder Template FITS OK
 Thickness 25
 Post Dia. 25

IV.

Skeg Depth 410
 Skeg Contour Straight Line

V.

Heights Above Baseline:

Stations	1	3	6	8	10
Keel	486	243	97	178	390
Chine	☒	314	232	289	450
Side	☒	791	743	711	677
Bottom Arc	☒	FITS ± TEMPLATES			

VI.

Half Breadths:

Stations	1	3	6	8	Stern
Deck	199	598	851	785	487
Chine	95	401	670	639	416

VII.

Buoyancy: (Builder)

Hull 0.2957m³
 Tanks 0.6117m³
 Compartments 1.1056m³
 Closed Cell Foam —
 Air Bags —

TOTAL 2.013m³
2013 l

KEEL MEASUREMENTS:

K1 1,145
 K2 1,225
 K3 34
 K4 1,359
 K5 22
 K6 774
 K7 212
 K8 308
 K9 820
 K10 940
 K11 85
 K12 93
 K13 68
 K14 300

WEIGHT CERTIFICATION:

Keel less finish 400kg
 Keel with finish —

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 BILL BUCHAN

Signed W Buchanan Date 5-17-84
 (Builder)

Yacht weight with rigging
673.6 kg

Added Weight 19.95 kg

Type and location of added weight (6) lead blocks bolted to the deck underside.

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 BILL BUCHAN

SIGNED W Buchanan
 (Builder, outfitter or owner)

JOSEPH KNOWLES
ISCYRA ★ STAR CLASS YACHT MEASURER ★ IYRU

MEMO

1 June 1986

TO: Tom Nyland

FROM: Joe Knowles

RE: # 7260

Dear Tom:

Please re-check the following on Bill's boat:

1. Chine radius, maximum is 13 mm
(did you record the diameter? number
not needed; "OK" is sufficient)
2. Side height at Sta 4 - not recorded
3. Buoyancy: Minimum in lay-up is 340 lb.

Everything else appears OK.

Best regards,

Joe

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

JUN 6 1986

CENTRAL OFFICE

6/9/88

To: Joe Knowles

Subject: Measurement Certificate
Yacht 7260

Ref: Your memo of June 1, 1988

I have corrected my omissions
and errors. Sorry for the inconvenience
of having to return the original
submission.

COPY

Thomas C. Highland

final -
ret'd. from be
I.S.C.Y.R.A.

JUN 22 1988

CENTRAL OFFICE

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

JUN 13 1988

CENTRAL OFFICE

YACHT #7260

5/18/88

No buoyancy certificate is submitted with this measurement certificate because I was shown a valid buoyancy certificate, signed by Forrest Miller 6TH district secretary. It was told a duplicate of this certificate has been sent to the ISC YRA central office.



COPY

William F. Cabral
ISCYRA Measurer
22809 SE 282nd Street
Maple Valley, Wash. 98038

27 December 1991

ISCYRA
1545 Waukegan Road
Glenview, IL 60025-2185

Dear Sir

I have remeasured Star #7260 following a general re-fairing of the boat and repositioning of the keel. Copies of the temporary measurement certificate and the revised measurement certificates are attached. Please forward them to the Chief Measurer for approval.

Star #7260 meets the measurement criteria established by the Star Class. There are no technical reasons to withhold issuance of a measurement certificate.

Very truly yours,

William F. Cabral
William F. Cabral

P.S. Please note new address - I just moved!

Thanks

WFC

REC'D JAN 02 1992