



INTERNATIONAL
YACHT RACING
UNION

INTERNATIONAL FIVE POINT FIVE METRE CLASS

MEASUREMENT FORM AND CERTIFICATE OF RATING

Yacht's Name: Fortuna Sail Number: Sui 195
 Owner: BARILONE BRUNO Owner's Club: TYC
 Designer: S. SCHMIDT Date Completed: 16.5.95
 IYRU Plaque No:
 Has designer's or builder's declaration been supplied: YES / NO (Delete whichever is applicable)

Condition of water when marks were sighted: fresh (State fresh or salt)
 Difference in immersion (Class Rule 23): 0.006 (metres)

Classification Society: Bureau Veritas, Paris
 Expiration date of Classification Certificate: Building Certificate

Measurements or partial re-measurements by National Authority Measurer, signature and date and

Item No:

Signature	Date	Item No
<u>[Signature]</u>	<u>16.5.95</u>	<u>1462</u>
		USY - Verm.
		O. Weber
		CH-8802 Kilchberg/ZH

Expiration date of Certificate of Rating: 15.5.95 / 21.07.97 / 9.3.02 / 25.4.05
 Re-Rated:

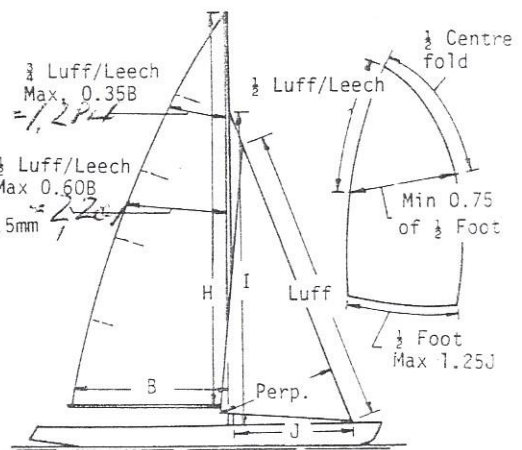
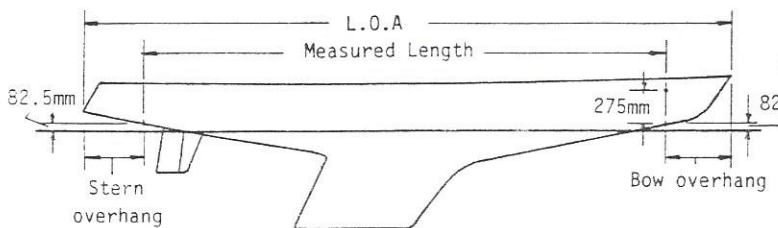
I certify that the measurements entered on this certificate have been properly taken and that to the best of my knowledge and belief the boat complies with the Rules of the International 5.5 Metre Class.

Signature of Measurer: [Signature]
 Signature of designer or builder: [Signature]
 Signature of owner or representative: [Signature]
 Certificate authorised by: Date:

For:
 (enter name of National Authority)

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Item No	Rule No	Measurement	Min	Actual	Max
1	23(e)	HULL Immersion checked in salt/fresh water (Date)		fresh	
2	13	Weight of inside ballast placed at <u>betw. floor 5-6</u>		50kg	
3	5	Beam	1.90m	1.970	
4	2	Max. Draft		1.350	1.35m
5	4	Freeboard at bow girth station		0.739	
6	4	Freeboard at stern girth station		0.538	
7	4	Freeboard at midship mark		0.613	
8	4	Freeboard average (Item 5+6+7)	6.28m	0.630	
9	14(iii)	Keel and ballast materials (lead or iron)		Lead	
10	14(iv)	Keel height of round at bottom	75mm	5mm	
11	14(iv)	Maximum section width down to 1m from LWL	150mm	0.153	
12	8	Stern angle	1 in 5.5	0.243	
13	9	Round of beams	1 in 5.5 = 4.182		7mm in 305mm
14	10	Tumblehome		0.084	
15		Deduct 2% of max. beam		0.089	
16	10	Excess tumblehome (Item 16-15)		0	
17	11	Area of deck openings		2.197	2.25m ²
18	12	Cockpit forward of L1 mark	1.75m	2.560	
19	11	Breadth of side decks	35cm	700.50	



Item No	Rule No	Measurement	Min	Actual	Max
20	16	SAILS AND RIGGING Height of sailplan above covering board level		11.100	11.10m
21	18	Height of boom (black band) above covering board level	0.5m	0.730	0.85m
22	17	Height of fore triangle above covering board level (I)		8.880	8.88m
23	16	Base of fore triangle (J) (Deck black band to be checked)		2.670	0.50 x J
24	16	Min. Headsail for measurement purposes = 0.5 x I x J x 80%		9.484	
25	19	Spinnaker, halliard above forestay		0.100	10cm
26	19	Spinnaker halliard out from mast		0.005	3cm
27	19	Spinnaker breadth of half the foot		3.338	1.25 x J
28	19	Storm spinnaker, breadth of half the foot		2.670	J
29	20	Spinnaker boom length		2.670	J
30	21	Mast diameter at 1/2 ht. of fore triangle, round mast	11.5cm	137/104	
31	21	Mast diameter at deck, round mast	10.9cm	137/104	
32	21	Mast diameter at jib halliards, round mast	9.2cm	118/83	
33	21	Mast diameter at top, round mast	5.8cm	76/54	
		(The athwartships diameter of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)			
34	21	Tip weight of mast	16kgs	18.0 kg	
35	22	Boom depth		0.111	15.2cm
36	22	Boom width	3.8cm	0.076	
		MISCELLANEOUS			
37	29	Weight of anchor	11kgs	12 kg	13kgs
38	29	Length of warp (min. diameter 9mm)	30m	30m	
39	23	Top of I marks above water with yacht in racing trim		HK	

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Item No	Rule No	Measurement	Min	Actual	Max
		LENGTH L FOR RATING			
40	3	Overall length LOA		8.944	
41	3	Bow Overhang L ₁		0.692	
42	3	Stern Overhang L ₁		0.889	
43	3	Total Overhang (Item 41+42)		1.581	
44	3	Measured Length L ₁ (Item 40-43)		7.413	
45	3	Girth at bow		0.718	
46	3	Twice Vertical height at bow (= 0.55m)		0.550	
47	3	Bow girth difference (Item 45-46)	165mm	0.168	
48	3	Girth at stern		1.646	
49	3	Twice vertical height at stern		0.910	
50	3	Stern girth difference (Item 48-49)		0.786	
51	3	1/3 stern girth difference (50 divided by 3)	234mm	0.245	
52	3	Length L for rating formula (Item 44+47+51)		7.826	
		SAIL AREA FOR RATING			
53	17	Largest headsail = 0.5 x ____ (luff) x ____ (perp)	Item 24	9.484	
54	18	Mainsail = 0.5 x <u>10.370</u> (H) x <u>3.668</u> (B)		19.019	
55	2	Total sail area S (53+54)	26.5m ²	28.503	29.0m ²
56		\sqrt{S}		5.339	
		DISPLACEMENT			
57	13	Weight of yacht (date when weighed) <u>4.5.95</u>		1930	
58	13	Displacement D = weight ÷ 1025.21kg/m ³	1.7m ³	1.883	2.0m ³
59	13	$\sqrt[3]{D}$		1.225	
		RATING			
60	2	Rating calculated according to formula		5.500	
61	10	3 x tumblehome excess (add to Item 60 for final rating)		m'	
62	2	FINAL RATING		5.500	

