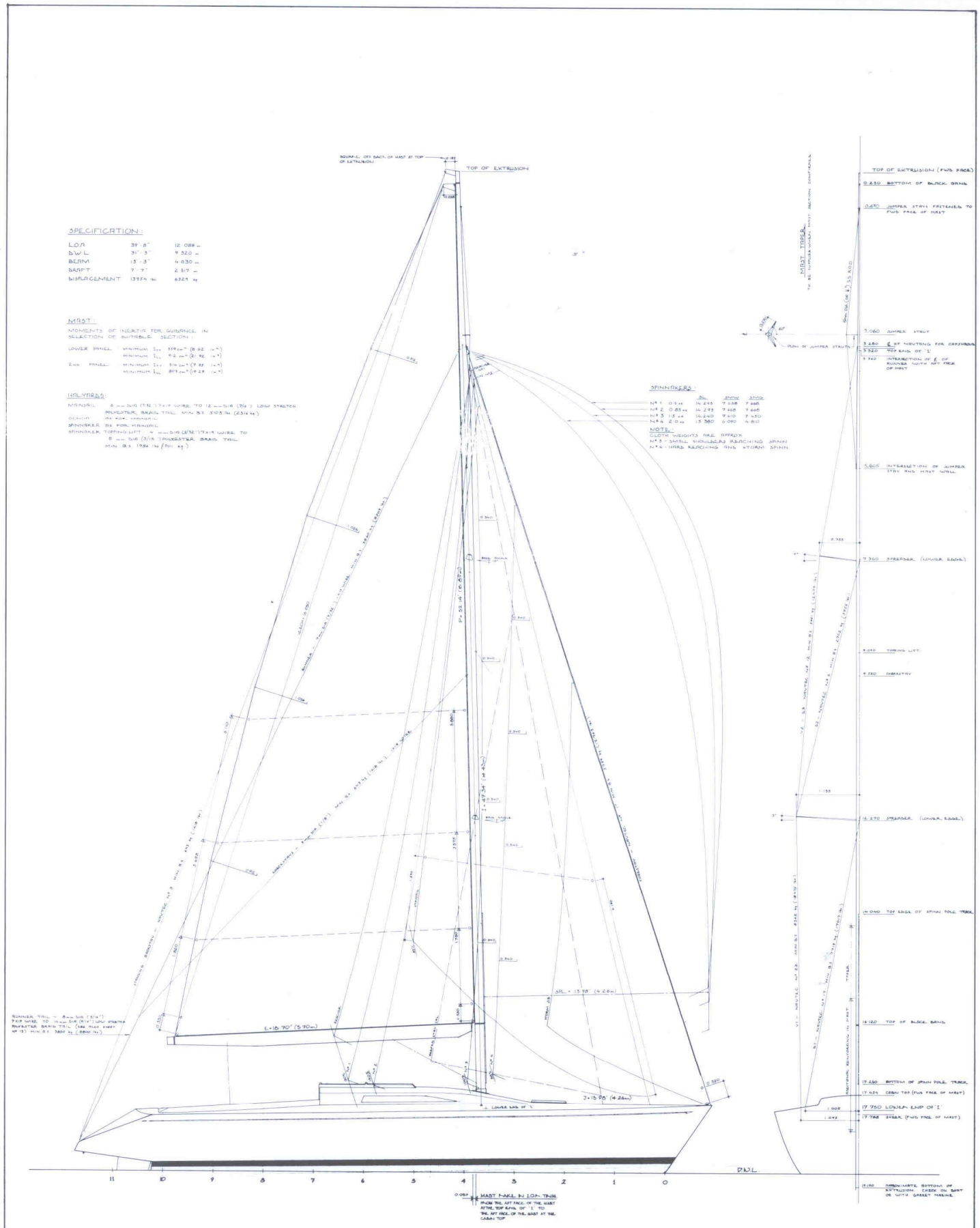
SPECIFICATION:
LOA 39'-8" 12.088 m
LWL 31'-3" 9.520 m
BEAM 13'-3" 4.030 m
DRAFT 7'-7" 2.317 m
DISPLACEMENT 13954 lbs. 6329 kg
MAST:
MOMENTS OF INERTIA FOR GUIDANCE IN SELECTION OF SUITABLE SECTION:
LOWER PANEL: MINIMUM Ixx 339 cm⁴ (8.62 in⁴)
MINIMUM Iyy 9.2 cm⁴ (2.92 in⁴)
2nd PANEL: MINIMUM Ixx 314 cm⁴ (7.55 in⁴)
MINIMUM Iyy 8.13 cm⁴ (1.29 in⁴)
HALYARDS:
MAINSAIL: 6 mm DIA (7/32") 7x19 WIRE TO 12 mm DIA (9/16") LOW STRETCH POLYESTER, BRAID TAIL. MIN B.S. 3705 lbs (2314 kg)
GENOA: AS FOR MAINSAIL
SPINNAKER: AS FOR MAINSAIL
SPINNAKER TOPPING LIFT: 4 mm DIA (5/32") 7x19 WIRE TO 8 mm DIA (5/16") POLYESTER, BRAID TAIL. MIN. B.S. 1984 lbs (901 kg)
SPINNAKERS:
SPINNAKER NO. 1 0.5 oz 14.245 7.668 7.668
SPINNAKER NO. 2 0.85 oz 14.293 7.668 7.668
SPINNAKER NO. 3 1.5 oz 14.240 9.610 7.620
SPINNAKER NO. 4 2.0 oz 13.380 6.080 4.810
NOTE:
CLOTH WEIGHTS ARE APPROX
NO. 3 - SMALL SHOULDERS REACHING SPINN
NO. 4 - HARD REACHING AND STORM SPINN
TOP OF EXTRUSION
SQUARE OFF BACK OF MAST AT TOP OF EXTRUSION
SPL = 13.98' (4.26m)
E = 16.70' (5.90m)
J = 15.95' (4.86m)
LOWER END OF I
RUNNER TRIM - 8 mm DIA (5/16") FAT WIRE TO 16 mm DIA (5/8") LOW STRETCH POLYESTER, BRAID TAIL (186 MLB. KNEE) NO (3) MIN B.S. 3880 kg (8800 lbs)
MAST FALL IN I.O.A. TRIM
FROM THE AFT FACE OF THE MAST AT THE TOP EDGE OF I TO THE AFT FACE OF THE MAST AT THE CABAN TOP
BWL
MAST TAPER
TOP OF EXTRUSION (FWD FACE)
0.830 BOTTOM OF BLACK BAND
0.670 JUMPER STAYS FASTENED TO FWD FACE OF MAST
3.060 JUMPER STRUT
3.280 ℄ OF MOUTING FOR CARBONOUS
3.320 TOP END OF 'I'
3.340 INTERSECTION OF ℄ OF RUNNER WITH AFT FACE OF MAST
5.605 INTERSECTION OF JUMPER STAY AND MAST WALL
7.360 SPREADER (LOWER EDGE)
9.040 TOPPING LIFT
9.220 CHAFE TAPE
16.270 SPREADER (LOWER EDGE)
19.040 TOP EDGE OF SPINN POLE TRUCK
19.120 TOP OF BLACK BAND
19.250 BOTTOM OF SPINN POLE TRUCK
19.424 CABAN TOP (FWD FACE OF MAST)
19.750 LOWER END OF 'I'
19.788 SHEER (FWD FACE OF MAST)
20.180 APPROXIMATE BOTTOM OF EXTRUSION. CHECK ON BOAT OR WITH GARNET MARINE.
BRUCE FARR & ASSOC. INC.
PO BOX 3157, ANNAPOLIS, MD 21403, U.S.A.
40 FOOT I.O.R. RACING YACHT.
FOR GARNET MARINE INC.
SCALE 1:25
DRAWING NO 145
SAIL PLAN - FRACTIONAL
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SHEET NO. 10
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