

FRIENDSHIP 40

RM	210 kgm	1519lbf	Excl Crew @ 1deg Heel
RM	5863 kgm	42klbft	Excl Crew @ 30deg Heel
I	16.829m	55.21ft	From Height of Tack, Along Mast
P	15.764m	51.72ft	From BAS to Top, Along Mast
J	4.981m	16.34ft	From Tack to Mast, Horizontally
E	5.388m	17.68ft	From Aft Face of Mast
BAS	1.661m	5.45ft	Datum to Boom, Along Mast
Dx	3.935m	12.91ft	Origin to Datum, X-Dim
Dz	1.010m	3.31ft	Origin to Datum, Z-Dim
beta	3deg	3deg	Mast Rake
HT	0.430m	1.41ft	Height of Tack Above Datum, Vertical
MLL	0.249m	0.82ft	Longitudinal Length of Mast
Lhdbrd	0.075m	0.25ft	Longitudinal Length of Headboard
BURY	1.549m	5.08ft	From Sheer to Mast Step, Along Mast

PANEL PROPERTIES

EI kNm ² (Min.)	EI lbin ² x10 ⁶ (Min.)	1 cm ⁴	E Gpa
PANEL 0 1660	531	PANEL 0 2075	664
PANEL 1 1277	462	PANEL 1 1596	578
PANEL 2 1068	439	PANEL 2 1334	548
PANEL 3 0987	481	PANEL 3 1234	602

STAY SPECIFICATIONS

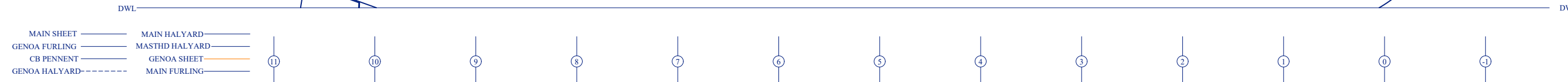
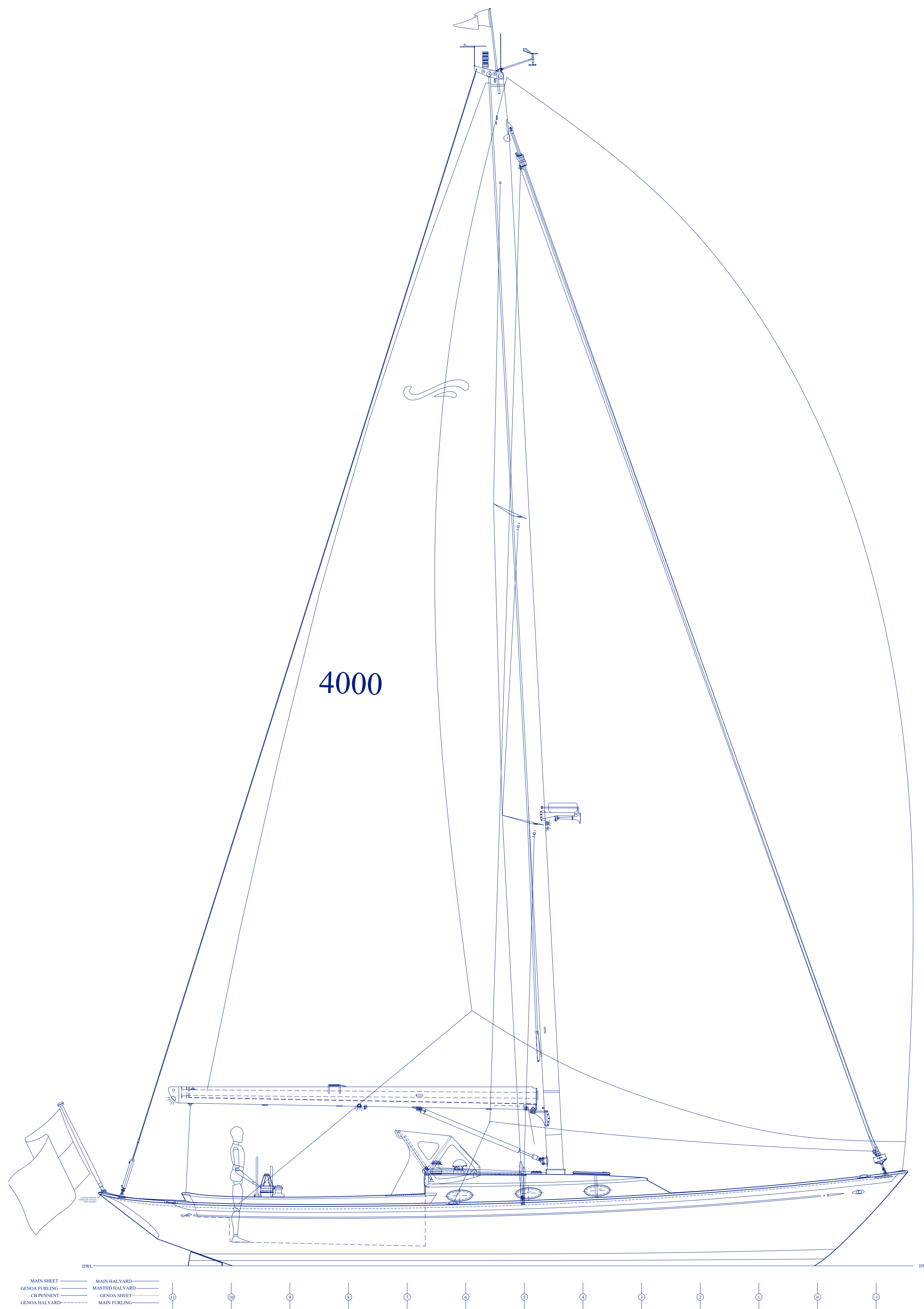
SIZE	STRENGTH	LENGTH	STRENGTH	LENGTH
V1 -17	7940kg	6037mm	17500lb	237.7in
V2 -10	4670kg	4877mm	10300lb	192.0in
D1 -17	7640kg	5855mm	17500lb	230.5in
D2 -10	4670kg	4807mm	10300lb	189.3in
D3 -10	4670kg	5154mm	10300lb	202.9in
FORESTAY -17	7640kg	17295mm	17500lb	680.9in
BACKSTAY -10	4670kg	18376mm	10300lb	723.5in

MAST SECTION SPECIFICATIONS

SECTION	NZR 234
MATERIAL	ALUMINUM
LONGITUDINAL DIM	234mm
TRANSVERSE DIM	154mm
WALL THICKNESS	3.4mm
MOM. OF INERTIA	2084 x 875cm ⁴
DENSITY	8.2kg/m ³

RUNNING RIGGING SPECIFICATIONS

QTY	ROPE SIZE/MATL	FLECK	LENGTH	DESCRIPTION
1	12mm Spectra Braid	Red	39m/128ft	#93-76 Headboard (captive pin shackle)
1	12mm Spectra Braid	None	18m/60ft	D-shackle with captive pin
1	12mm Spectra Braid	Blue	40m/130ft	Snap shackle
1	14mm XLS Dacron	Red	12m/40ft	Eye Splice onto D-shackle w/ capt. pin
2	14mm XLS Dacron	None	16m/52ft	Whip Ends
2	12mm XLS Dacron	Blue	25m/82ft	Whip Ends, snatch blocks provided
1	10mm Spectra Braid	Black	8m/26ft	Whip Ends, marking at raised position
1	8mm Spectra Braid	Red	30m/98ft	Eyesplice onto D-shackle on CB end
1	8mm Spectra Braid	None	30m/98ft	Whip Ends
1	10mm Spectra Braid	None	39m/128ft	Remove jacket at drum, Whip Ends
1	Hydraulic Cylinder	-	-	Whip Ends, captive shackle
1	Hydraulic Cylinder	-	-	Navtee A850-VC-017
				Navtee 250-SE-012



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No.	CHANGES	DATE	No.	CHANGES	DATE
-	-	date-	-	-	date-

SAIL PLAN
 FOR
FRIENDSHIP 40-000
STANDARD BOAT

DRAWN BY: BMA CHECKED BY: -
 SCALE: 1:40 28 August 2007 Dwg. 1004-000-307 Rev. 0