

Genoa: 7000505 Petrus-1 Beneteau first 47.7 135%Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000505 Petrus\7000

Initial Design Date: 27/5/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	16.275m
Leech geodesic:	15.590m
Foot geodesic:	7.354m
Headboard width:	0.035m
Luff perpendicular (HLP):	7.020m
Upper width (HUW):	0.763m
Three-quarter width (HTW):	1.533m
Half width (HHW):	3.256m
Quarter width (HQW):	5.095m
Foot median:	15.728m
ORC Headsail area:	54.792m?
IRC Headsail area:	54.663m?
Surface area:	55.065m?
Forestay height:	17.250m
J:	5.200m

Draft Stripes

- 1, Luff: 4.086m ; Leech: 3.725m ;
- 2, Luff: 8.172m ; Leech: 7.692m ;
- 3, Luff: 12.241m ; Leech: 11.602m ;

Luff Curve

16.272m,	0.000m
14.920m,	0.055m
13.424m,	0.100m
12.108m,	0.123m
10.577m,	0.132m
8.098m,	0.115m
5.288m,	0.078m
2.750m,	0.039m
0.000m,	0.000m

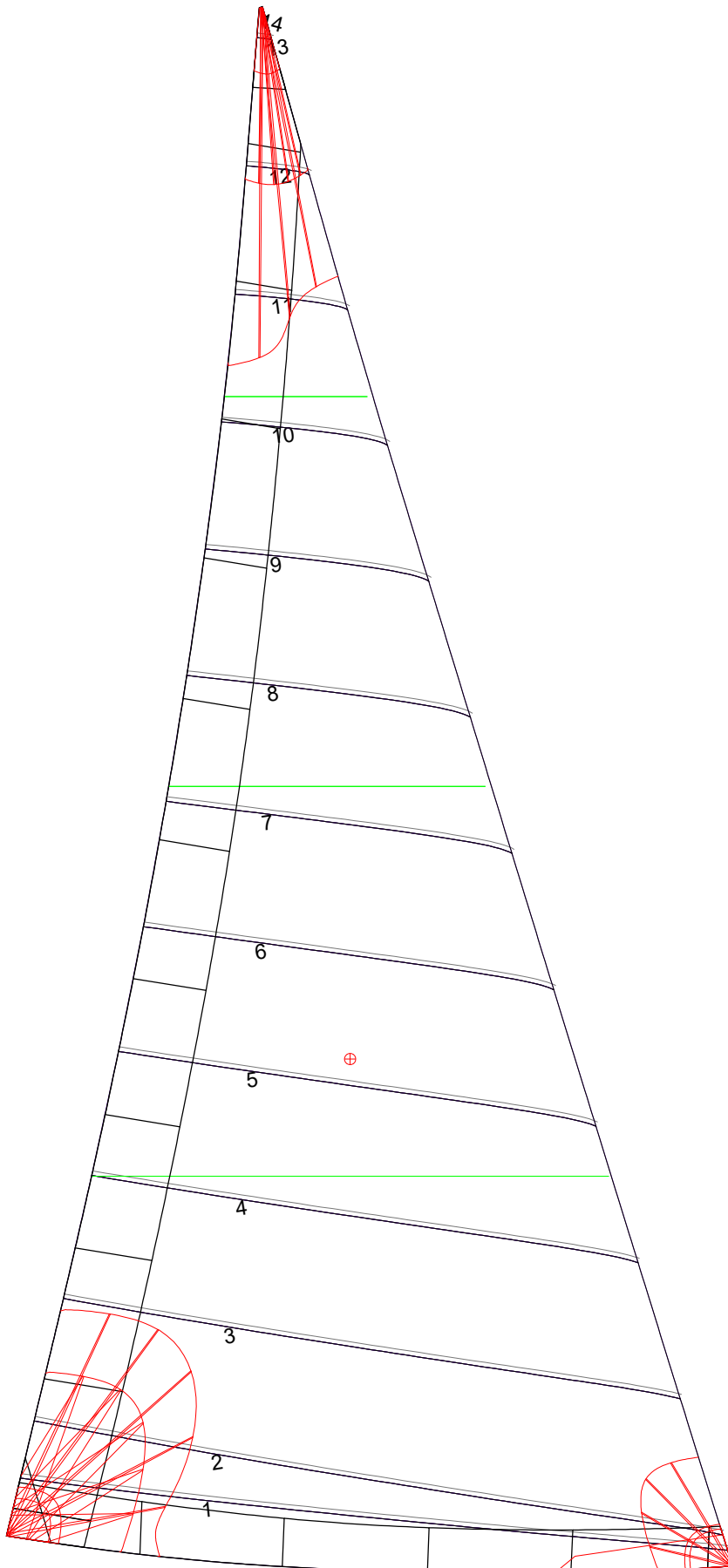
Fanned Luff (@ 5.00% [0.363m])

100% (16.272m) :	0.000m
90% (14.644m) :	-0.059m
80% (13.020m) :	-0.107m
70% (11.391m) :	-0.128m
60% (9.764m) :	-0.127m
50% (8.137m) :	-0.115m
40% (6.509m) :	-0.097m
30% (4.882m) :	-0.075m
20% (3.255m) :	-0.051m
10% (1.626m) :	-0.027m
0% (0.000m) :	0.000m

Before BSeam

0.000m
-0.009m
-0.010m
0.012m
0.040m
0.056m
0.063m
0.063m
0.055m
0.033m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.046m	0.046m	0.046m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	48.80
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	55.21	1,2,3,4,5 6,7,8,9,10 11,12,13,14