

Genoa: 4000807 Peter-1 headsail R1

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2020\4000807 Peter-1-2\4000807 Peter-1 headsail R1.d

Initial Design Date: 19/8/2020
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	9.400m
Leech geodesic:	8.720m
Foot geodesic:	3.450m
Headboard width:	0.030m
Luff perpendicular (HLP):	3.236m
Upper width (HUW):	0.359m
Three-quarter width (HTW):	0.704m
Half width (HHW):	1.482m
Quarter width (HQW):	2.340m
Foot median:	9.016m
ORC Headsail area:	14.526m ²
IRC Headsail area:	14.492m ²
Surface area:	14.674m ²
Forestay height:	10.570m
J:	3.180m

Draft Stripes

1, Luff: 4.714m ; Leech: 4.198m ;

Luff Curve

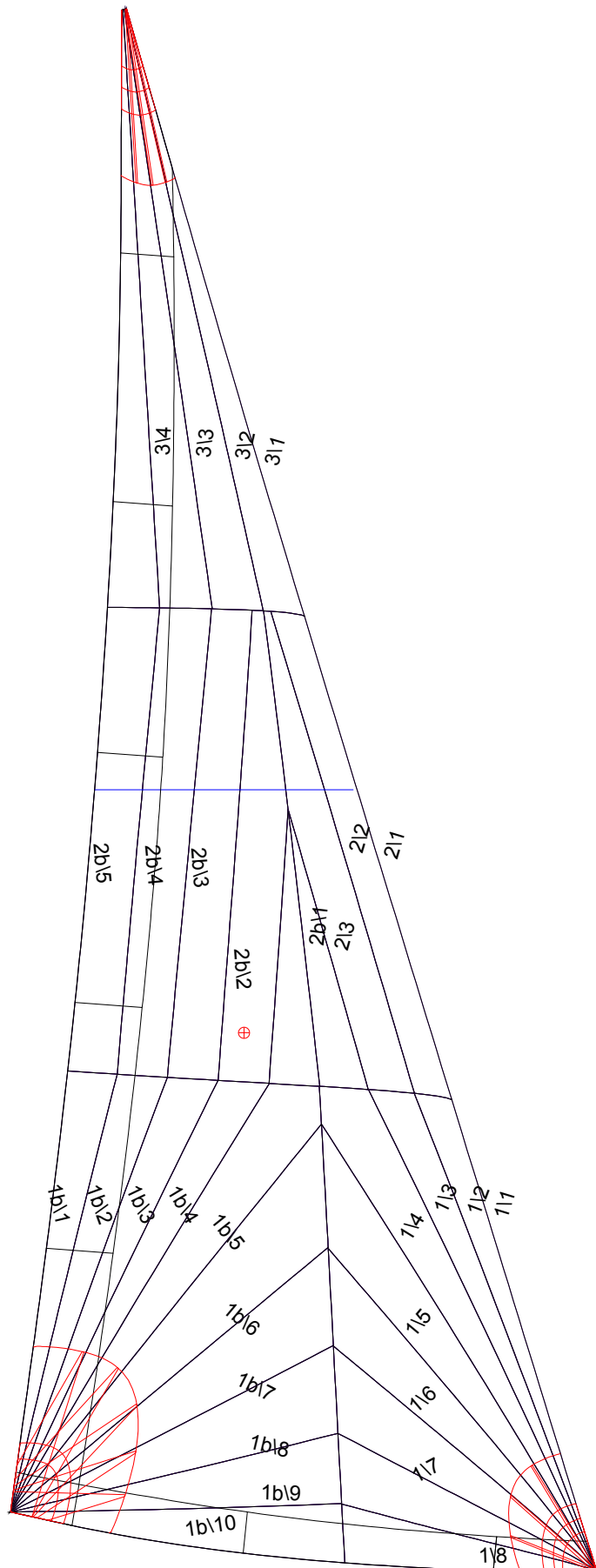
9.399m,	0.000m
7.284m,	0.040m
5.170m,	0.048m
2.585m,	0.030m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.169m])

100% (9.399m) :	0.000m	0.000m
90% (8.459m) :	-0.019m	0.000m
80% (7.520m) :	-0.037m	0.002m
70% (6.580m) :	-0.046m	0.009m
60% (5.640m) :	-0.049m	0.019m
50% (4.700m) :	-0.046m	0.029m
40% (3.760m) :	-0.041m	0.037m
30% (2.820m) :	-0.032m	0.042m
20% (1.880m) :	-0.023m	0.040m
10% (0.940m) :	-0.012m	0.029m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.013m	0.025m
Zone: 1/b	0.025m	0.013m	0.025m
Zone: 2/a	0.025m	0.013m	0.025m
Zone: 2/b	0.025m	0.013m	0.025m
Zone: 3	0.025m	0.013m	0.025m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.070m	0.070m
Cover 1	0.070m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	3.54
Radial/Vertical	64.32
Bi-Radial Split	5.74

Materials

Material	Area (m ²)	Panels
Material 1	14.69	1\1, 1\2, 1\3, 1\4, 1\5 1\6, 1\7, 1\8, 1b\1, 1b\2 1b\3, 1b\4, 1b\5, 1b\6, 1b\7 1b\8, 1b\9, 1b\10, 2\1, 2\2 2\3, 2b\1, 2b\2, 2b\3, 2b\4 2b\5, 3\1, 3\2, 3\3, 3\4

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