

Genoa: 5000407 Akihiro headsail.des

Design Info

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Design File:

D:\dropbox\Dropbox\Fareast Sails\2021\5000407 Akihiro\5000407 Akihiro headsail.des

Initial Design Date: 4/5/2021

Boat:

Comments:

Client:

Design Data

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Genoa

Measurements

Luff geodesic:	14.550m
Leech geodesic:	14.500m
Foot geodesic:	5.300m
Headboard width:	0.025m
Luff perpendicular (HLP):	5.187m
Upper width (HUW):	0.523m
Three-quarter width (HTW):	1.048m
Half width (HHW):	2.314m
Quarter width (HQW):	3.699m
Foot median:	14.442m
ORC Headsail area:	35.385m ²
IRC Headsail area:	35.305m ²
Surface area:	35.315m ²
Forestay height:	14.500m
J:	5.000m

Luff Curve

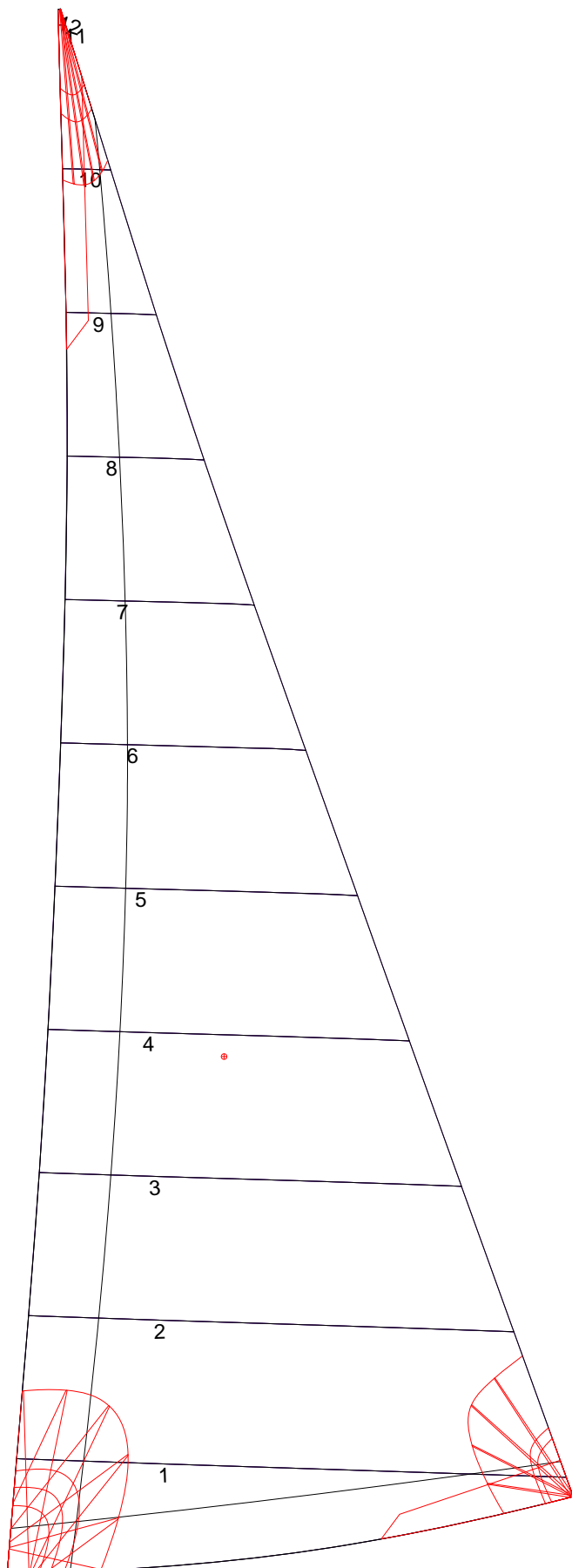
14.547m,	0.000m
13.339m,	0.049m
12.002m,	0.089m
10.825m,	0.110m
9.456m,	0.118m
7.239m,	0.103m
4.728m,	0.070m
2.459m,	0.035m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.262m])

100% (14.547m) :	-0.000m	-0.000m
90% (13.089m) :	-0.049m	-0.042m
80% (11.641m) :	-0.094m	-0.081m
70% (10.183m) :	-0.119m	-0.099m
60% (8.729m) :	-0.119m	-0.094m
50% (7.274m) :	-0.105m	-0.079m
40% (5.819m) :	-0.087m	-0.065m
30% (4.364m) :	-0.067m	-0.051m
20% (2.911m) :	-0.046m	-0.036m
10% (1.453m) :	-0.023m	-0.019m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances			
	Split	Radial	Cross
Zone: 1	0.000m	0.000m	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	0.050m	0.100m	0.050m
Cover 1	0.050m	0.100m	0.050m

Total Seam Lengths (m)

Horizontal	26.48
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	35.53	1,2,3,4,5 6,7,8,9,10 11,12

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