

Genoa: 5000614 Santiago headsail.des

Design Info

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Design File:

D:\dropbox\Dropbox\Fareast Sails\2021\5000614 Santiago\5000614 Santiago headsail.des

Initial Design Date: 25/6/2021

Boat:

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	6.260m
Leech geodesic:	5.500m
Foot geodesic:	3.100m
Headboard width:	0.025m
Luff perpendicular (HLP):	2.763m
Upper width (HUW):	0.304m
Three-quarter width (HTW):	0.602m
Half width (HHW):	1.287m
Quarter width (HQW):	2.016m
Foot median:	5.800m
ORC Headsail area:	8.312m ²
IRC Headsail area:	8.288m ²
Surface area:	8.434m ²
Forestay height:	7.000m
J:	2.250m

Luff Curve

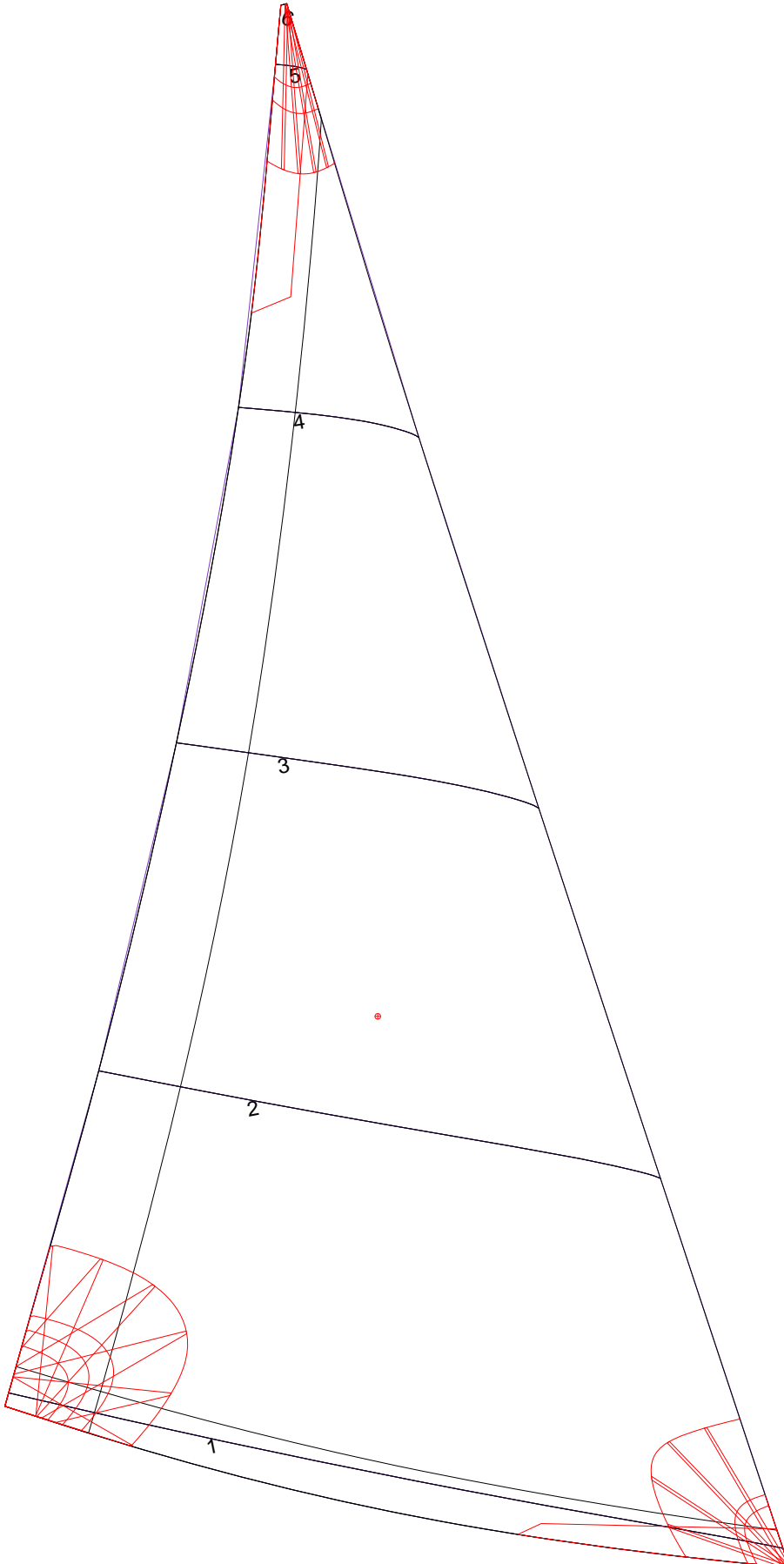
6.259m,	0.000m
5.739m,	0.021m
5.163m,	0.038m
4.657m,	0.047m
4.068m,	0.051m
3.115m,	0.044m
2.034m,	0.030m
1.058m,	0.015m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.149m])

100% (6.259m) :	-0.000m	-0.000m
90% (5.633m) :	-0.023m	0.002m
80% (5.008m) :	-0.044m	0.006m
70% (4.382m) :	-0.052m	0.017m
60% (3.756m) :	-0.052m	0.031m
50% (3.130m) :	-0.048m	0.041m
40% (2.504m) :	-0.041m	0.046m
30% (1.878m) :	-0.032m	0.044m
20% (1.252m) :	-0.022m	0.034m
10% (0.625m) :	-0.012m	0.017m
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	7.75
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	8.47	1,2,3,4,5 6

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