

Genoa: 5000107 Jeremy headsail.des

Design Info

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Design File:

F:\Dropbox (个人)\Fareast Sails\2021\5000107 Jeremy\5000107 Jeremy headsail.des

Initial Design Date: 16/1/2021
Boat:

Comments:

Client:

Design Data

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Genoa

Measurements

Luff geodesic:	11.940m
Leech geodesic:	11.300m
Foot geodesic:	6.096m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.752m
Upper width (HUW):	0.648m
Three-quarter width (HTW):	1.293m
Half width (HHW):	2.726m
Quarter width (HQW):	4.223m
Foot median:	11.449m
ORC Headsail area:	33.308m?
IRC Headsail area:	33.235m?
Surface area:	33.660m?
Forestay height:	12.800m
J:	3.860m

Luff Curve

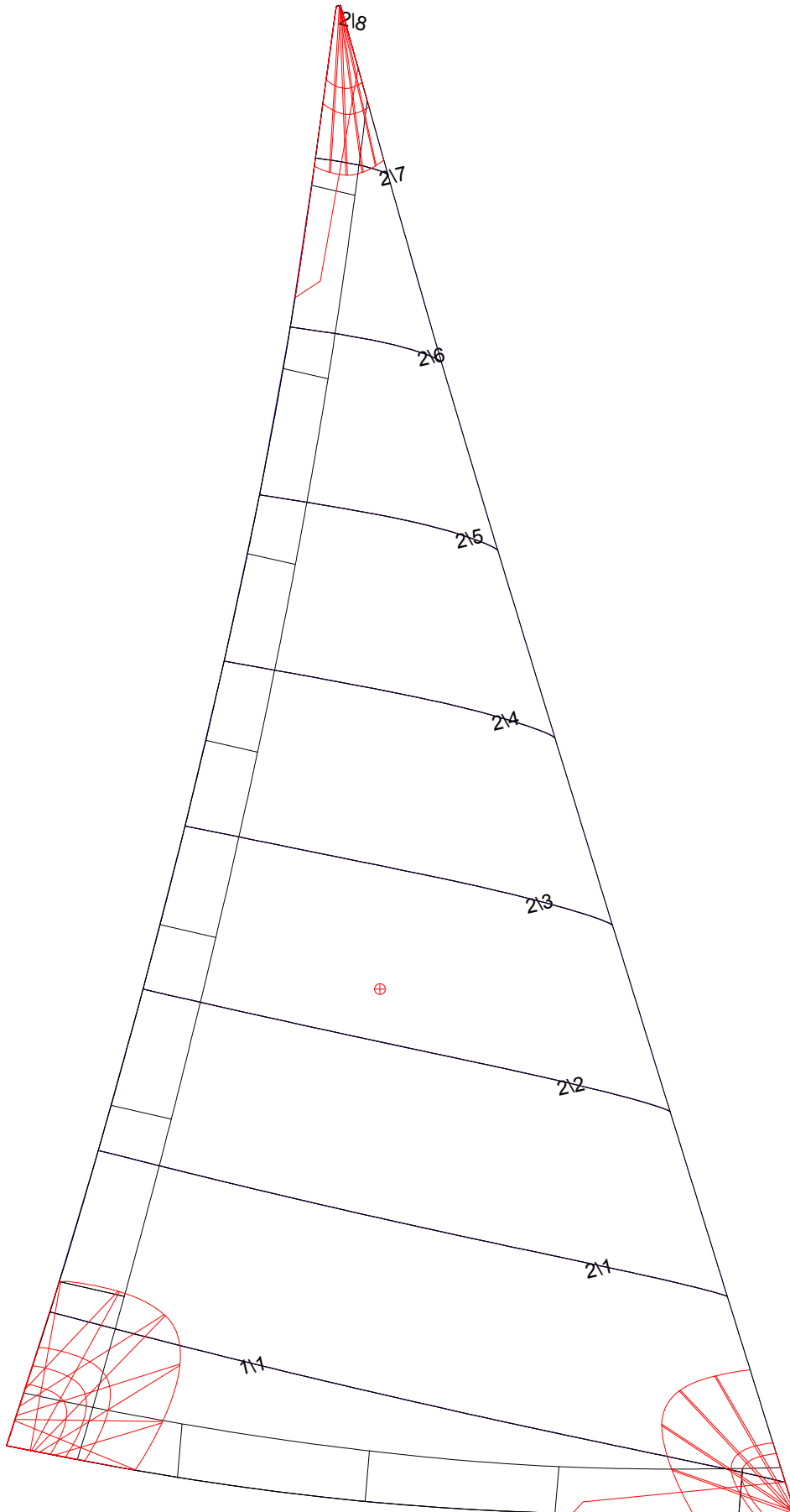
11.938m,	0.000m
10.946m,	0.040m
9.849m,	0.073m
8.883m,	0.090m
7.760m,	0.096m
5.941m,	0.085m
3.880m,	0.058m
2.018m,	0.029m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.299m])

100% (11.938m) :	-0.000m	-0.000m
90% (10.744m) :	-0.043m	0.005m
80% (9.552m) :	-0.080m	0.014m
70% (8.357m) :	-0.097m	0.036m
60% (7.163m) :	-0.097m	0.062m
50% (5.969m) :	-0.089m	0.079m
40% (4.775m) :	-0.075m	0.086m
30% (3.581m) :	-0.058m	0.082m
20% (2.388m) :	-0.040m	0.063m
10% (1.193m) :	-0.022m	0.031m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.038m	0.015m	0.038m
Zone: 2	0.038m	0.015m	0.038m
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	25.41
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	33.75	111,211,212,213,214 215,216,217,218