

Genoa: 5000108 James headsail.des

Design Info

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Design File:

F:\Dropbox (个人)\Fareast Sails\2021\5000108 James\5000108 James headsail.des

Initial Design Date: 15/1/2021

Boat:

Comments:

Client:

Design Data

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Genoa

Measurements

Luff geodesic:	10.770m
Leech geodesic:	10.164m
Foot geodesic:	4.821m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.560m
Upper width (HUW):	0.507m
Three-quarter width (HTW):	0.998m
Half width (HHW):	2.097m
Quarter width (HQW):	3.320m
Foot median:	10.361m
ORC Headsail area:	23.537m?
IRC Headsail area:	23.445m?
Surface area:	23.785m?
Forestay height:	10.740m
J:	3.800m

Luff Curve

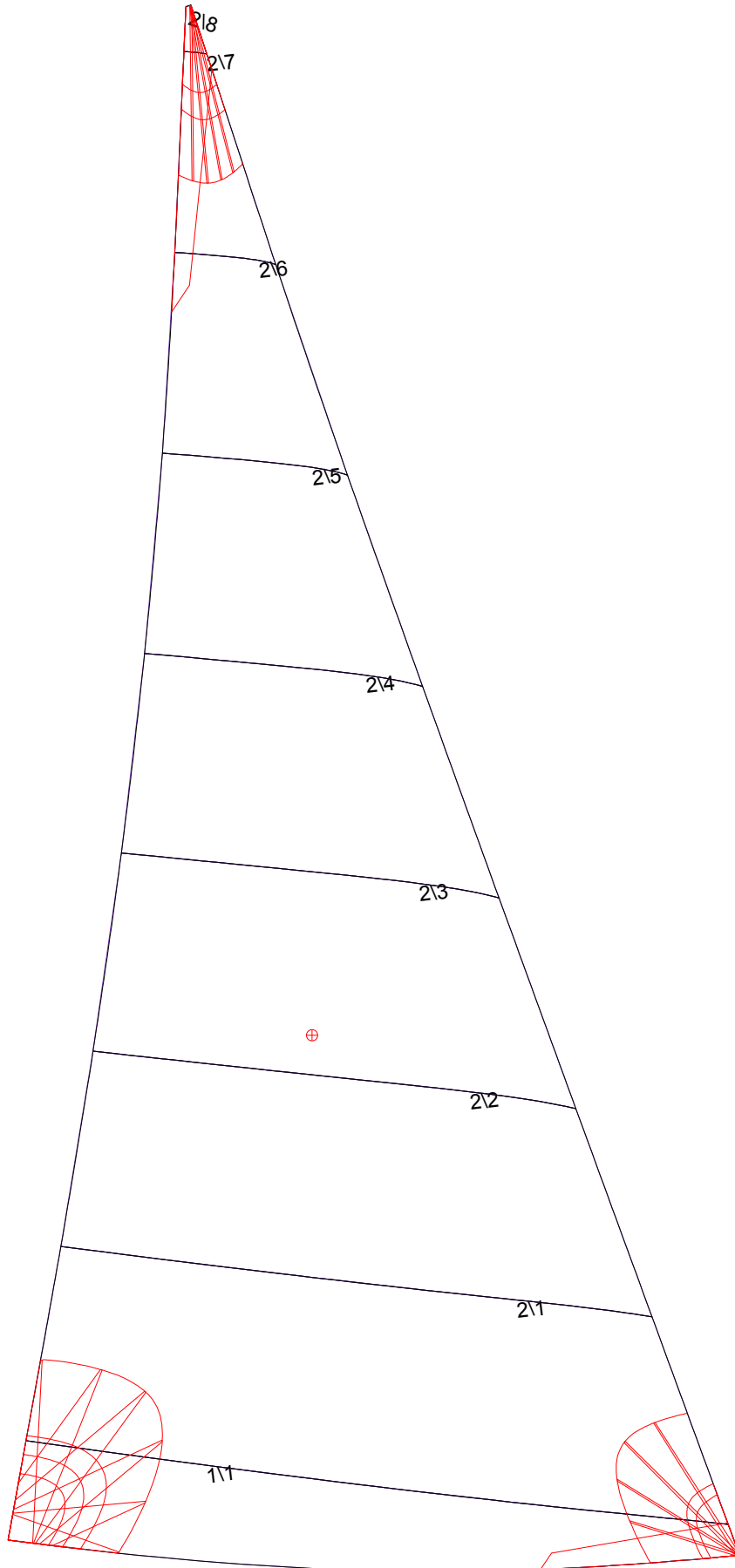
10.768m,	0.000m
9.873m,	0.036m
8.884m,	0.066m
8.012m,	0.081m
6.999m,	0.087m
5.359m,	0.076m
3.500m,	0.052m
1.820m,	0.026m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.239m])

100% (10.768m) :	0.000m	-0.000m
90% (9.690m) :	-0.039m	-0.012m
80% (8.616m) :	-0.072m	-0.020m
70% (7.538m) :	-0.088m	-0.015m
60% (6.461m) :	-0.088m	-0.002m
50% (5.384m) :	-0.080m	0.014m
40% (4.308m) :	-0.068m	0.030m
30% (3.230m) :	-0.052m	0.042m
20% (2.154m) :	-0.036m	0.041m
10% (1.076m) :	-0.020m	0.023m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.025m	0.015m	0.025m
Zone: 2	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	18.63
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	23.86	1\1,2\1,2\2,2\3,2\4 2\5,2\6,2\7,2\8