

Genoa: 4001117 John headsail.des

Design Info

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Design File:

F:\Dropbox (个人)\Fareast Sails\2020\4001117 John\4001117 John headsail.des

Initial Design Date: 3/12/2020

Boat:

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	12.219m
Leech geodesic:	11.885m
Foot geodesic:	5.471m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.279m
Upper width (HUW):	0.585m
Three-quarter width (HTW):	1.161m
Half width (HHW):	2.452m
Quarter width (HQW):	3.851m
Foot median:	11.931m
ORC Headsail area:	31.012m?
IRC Headsail area:	30.914m?
Surface area:	31.270m?
Forestay height:	13.280m
J:	3.770m

Luff Curve

12.217m,	0.000m
11.202m,	0.041m
10.079m,	0.075m
9.090m,	0.092m
7.941m,	0.099m
6.080m,	0.087m
3.970m,	0.059m
2.065m,	0.029m
0.000m,	0.000m

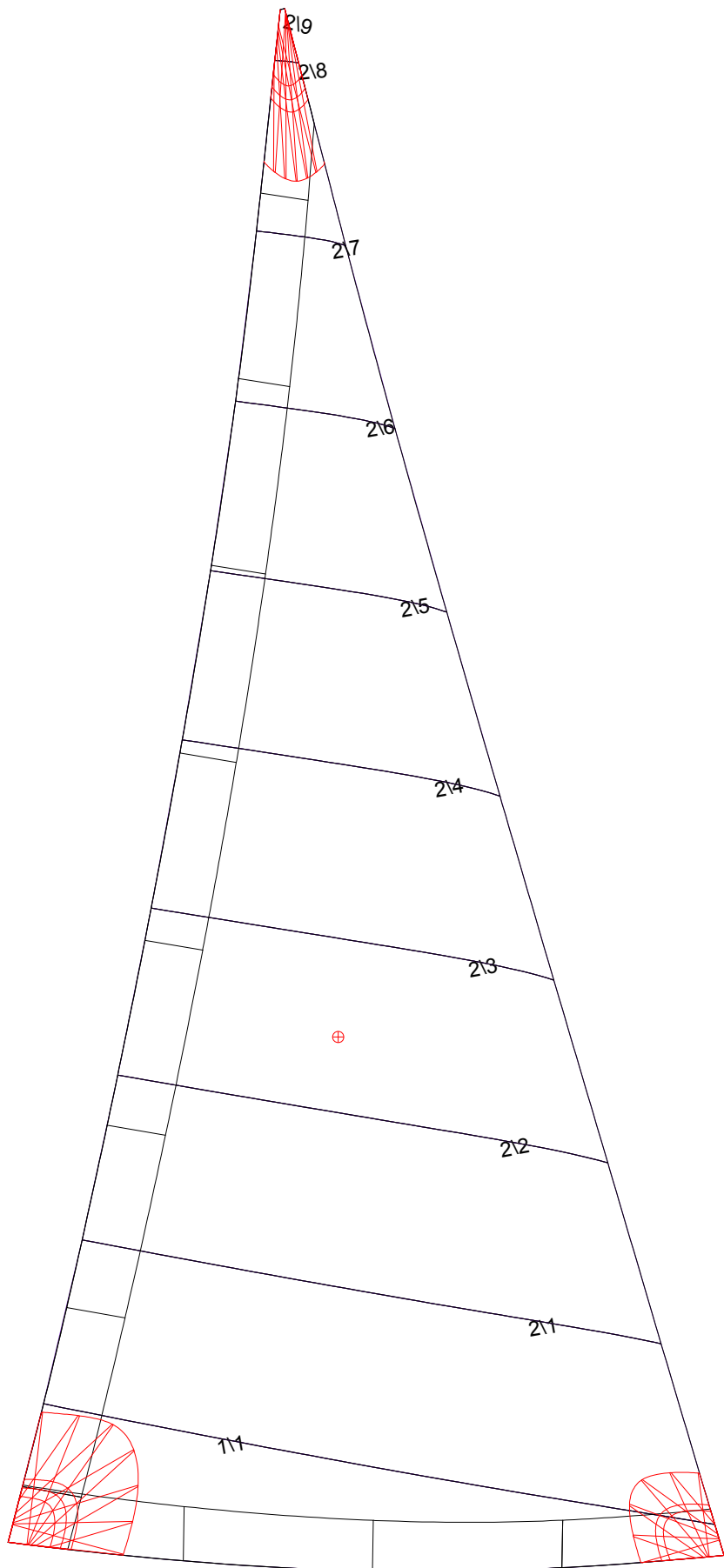
Fanned Luff (@ 5.00% [0.272m])

100% (12.217m) :	-0.000m
90% (10.994m) :	-0.043m
80% (9.775m) :	-0.080m
70% (8.552m) :	-0.098m
60% (7.331m) :	-0.098m
50% (6.109m) :	-0.089m
40% (4.887m) :	-0.076m
30% (3.665m) :	-0.059m
20% (2.444m) :	-0.041m
10% (1.221m) :	-0.022m
0% (0.000m) :	0.000m

Before BSeam

0.000m
-0.013m
-0.022m
-0.017m
-0.002m
0.016m
0.033m
0.046m
0.045m
0.025m
0.000m

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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	23.62
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	31.36	11,21,22,23,24 25,26,27,28,29