Genoa: 5001121 Ragnar.des

Design Info
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Design File:
E:\Dropbox\Fareast Sails\2021\5001121 Ragnar\5001121 Ragnar.des

Comments:

Initial Design Date: 30/11/2021
Boat:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	13.930m
Leech geodesic:	12.909m
Foot geodesic:	9.328m
Headboard width:	0.035m
Luff perpendicular (HLP):	8.450m
Upper width (HUW):	0.985m
Three-quarter width (HTW):	1.973m
Half width (HHW):	4.087m
Quarter width (HQW):	6.269m
Foot median:	12.940m
ORC Headsail area:	57.777m?
IRC Headsail area:	57.646m?
Surface area:	58.848m?
Forestay height:	13.400m
J:	6.500m

Luff Curve

13.929m,	0.000m
10.446m,	0.059m
6.965m,	0.079m
3.482m,	0.059m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.462m])		Before BSeam
100% (13.929m) :	0.000m	0.000m
90% (12.535m) :	-0.024m	0.022m
80% (11.144m) :	-0.047m	0.043m
70% (9.750m) :	-0.064m	0.065m
60% (8.357m) :	-0.074m	0.080m
50% (6.964m) :	-0.079m	0.084m
40% (5.571m) :	-0.077m	0.079m
30% (4.178m) :	-0.069m	0.066m
20% (2.787m) :	-0.054m	0.046m
10% (1.390m) :	-0.029m	0.020m
0% (0.000m) :	0.000m	0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Fwd Camb	Aft Camb
100.00%	6.178%	41.484%	19.969?	26.952?	-11.648?	0.000m	5.114%	4.714%
80.00%	10.747%	42.559%	15.975?	54.529?	-22.483?	-0.173m	8.822%	8.134%
60.00%	11.500%	42.431%	11.982?	60.132?	-24.691?	-0.255m	9.206%	8.679%
39.99%	10.122%	41.720%	7.987?	58.054?	-22.096?	-0.233m	8.152%	7.660%
20.00%	8.064%	40.663%	3.994?	49.160?	-17.753?	-0.141m	6.604%	6.144%
10.00%	6.608%	40.221%	1.997?	41.215?	-14.909?	-0.076m	5.478%	5.068%
0.00%	4.932%	39.779%	0.000?	31.098?	-11.603?	0.000m	4.145%	3.818%

Chord Data

Luff LL : 13.9286m
Leech : 12.7499m
Luff Perpendicular : 8.2341m
Clew Height : 0.1800m
Headboard width : 0.0350m

Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.1755m	0.2464m	0.1787m

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Seam Allowances

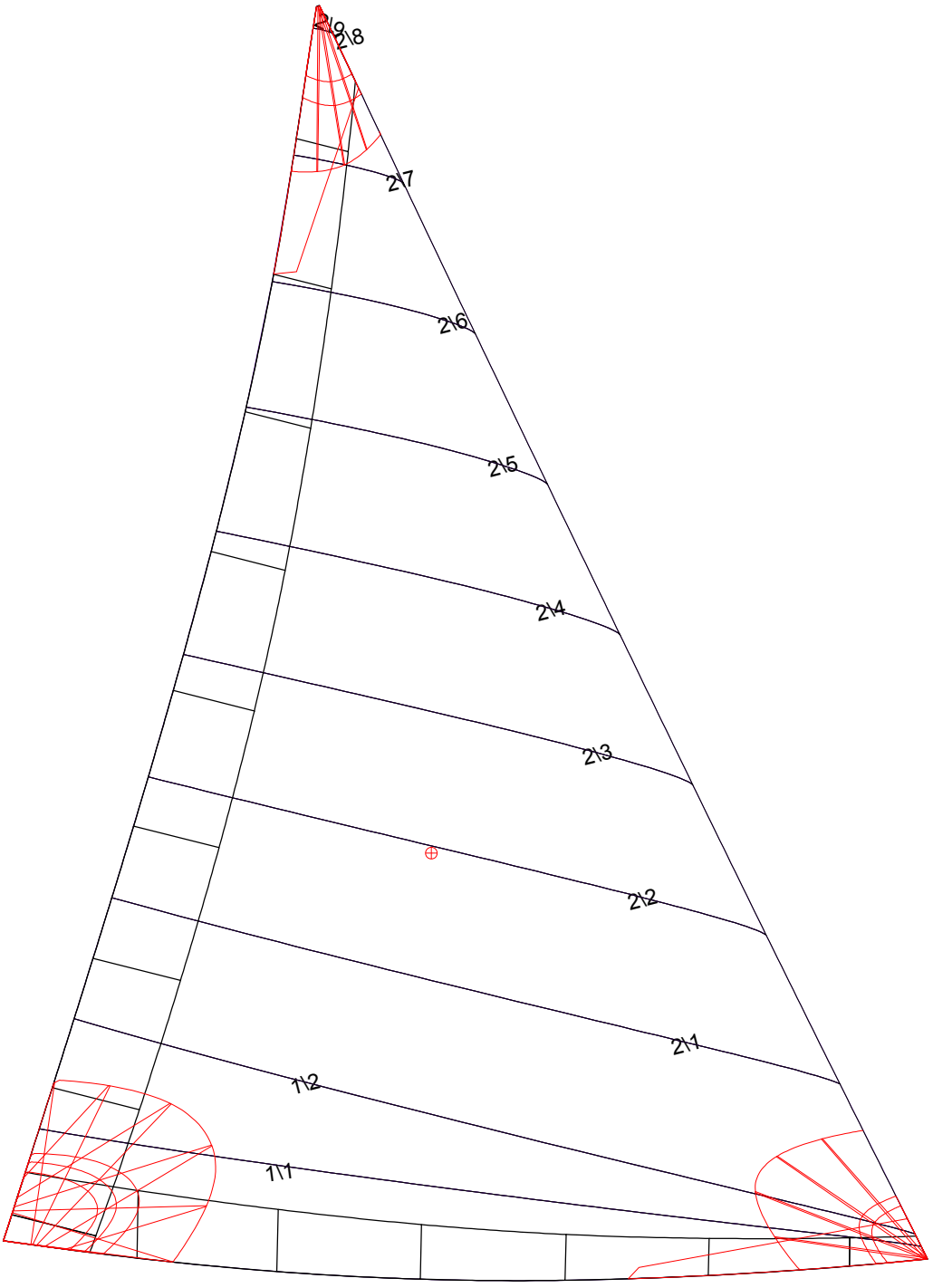
	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.038m
Zone: 2	0.000m	0.000m	0.038m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.050m	0.070m	0.070m
Cover 1	0.050m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	48.63
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m?	Panels
Material 1	59.00	1\1,1\2,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9