

Genoa: 5001205 Ruben.des

Design Info
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Design File:
E:\Dropbox\Fareast Sails\2021\5001205 Ruben\5001205 Ruben.des

Initial Design Date: 15/12/2021
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 15.865m
 Leech geodesic: 14.989m
 Foot geodesic: 6.498m
 Headboard width: 0.035m
 Luff perpendicular (HLP): 6.127m
 Upper width (HUW): 0.715m
 Three-quarter width (HTW): 1.421m
 Half width (HHW): 2.939m
 Quarter width (HQW): 4.523m
 Foot median: 15.320m
 ORC Headsail area: 47.519m?
 IRC Headsail area: 47.433m?
 Surface area: 48.103m?
 Forestay height: 16.540m
 J: 5.570m

Luff Curve

15.864m,	0.000m
11.898m,	0.068m
7.933m,	0.091m
3.966m,	0.068m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.322m])		Before BSeam
100% (15.864m) :	-0.000m	0.000m
90% (14.276m) :	-0.028m	0.005m
80% (12.692m) :	-0.054m	0.012m
70% (11.104m) :	-0.074m	0.020m
60% (9.518m) :	-0.086m	0.027m
50% (7.932m) :	-0.091m	0.028m
40% (6.345m) :	-0.089m	0.025m
30% (4.758m) :	-0.079m	0.020m
20% (3.173m) :	-0.060m	0.013m
10% (1.584m) :	-0.032m	0.005m
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	5.143%	4.743%
80.00%	10.747%	42.559%	15.975?	54.529?	-22.483?	-0.122m	8.823%	8.135%
60.00%	11.500%	42.431%	11.982?	60.132?	-24.691?	-0.180m	9.206%	8.679%
39.99%	10.122%	41.720%	7.987?	58.054?	-22.096?	-0.165m	8.152%	7.661%
20.00%	8.064%	40.663%	3.994?	49.160?	-17.753?	-0.100m	6.603%	6.144%
10.00%	6.608%	40.221%	1.997?	41.215?	-14.909?	-0.054m	5.478%	5.068%
0.00%	4.932%	39.779%	0.000?	31.098?	-11.603?	0.000m	4.145%	3.818%

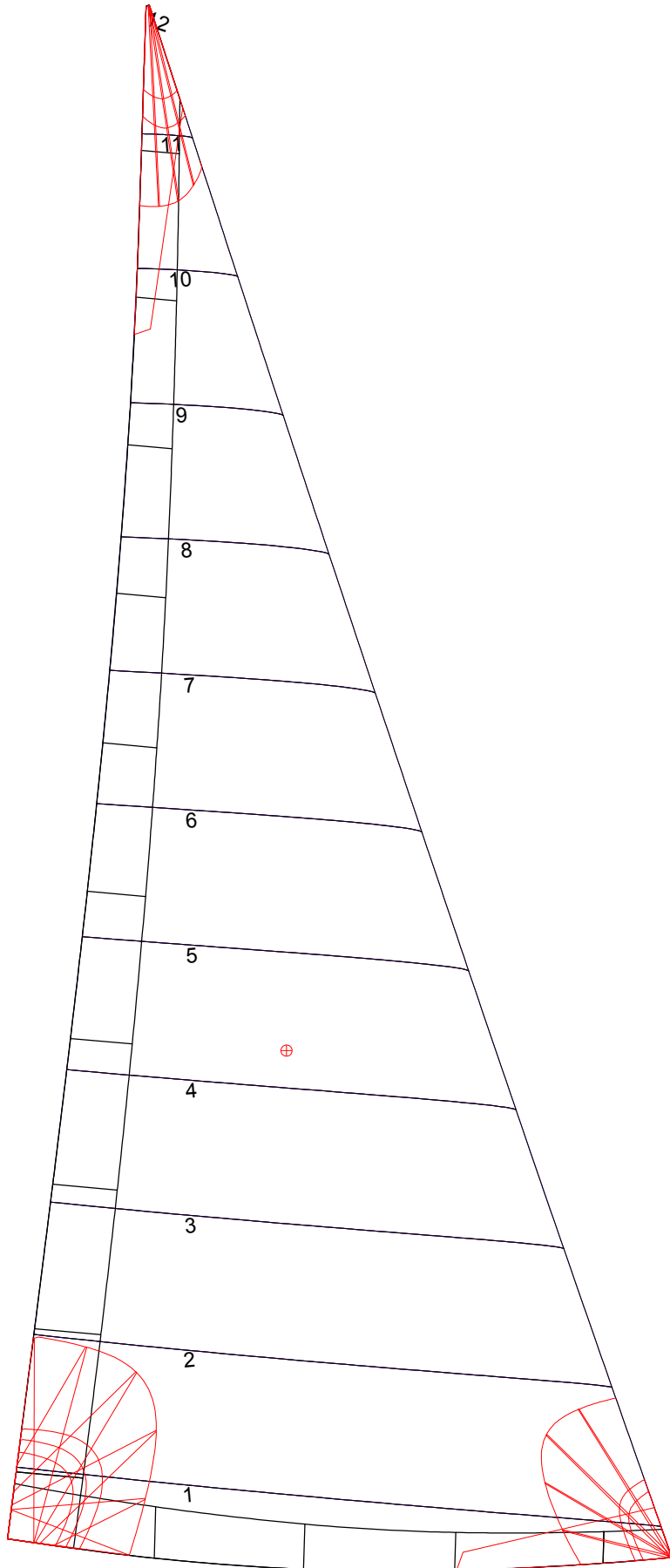
Chord Data

Luff LL : 15.8635m
 Leech : 14.9174m
 Luff Perpendicular : 6.0428m
 Clew Height : 0.1800m
 Headboard width : 0.0350m

Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.1352m	0.1893m	0.1384m

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.035m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.008m	0.008m	0.008m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.050m	0.070m	0.070m
Cover 1	0.015m	0.021m	0.021m

Total Seam Lengths (m)

Horizontal	36.91
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	48.22	1,2,3,4,5 6,7,8,9,10 11,12