

Genoa: 5000114 Head-2.des

Design Info
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Design File:
F:\Dropbox (个人)\Fareast Sails\2021\5000114 Torodd-1-2\5000114 Head-2.des

Initial Design Date: 1/2/2021
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 14.150m
 Leech geodesic: 13.698m
 Foot geodesic: 6.555m
 Headboard width: 0.040m
 Luff perpendicular (HLP): 6.300m
 Upper width (HUW): 0.751m
 Three-quarter width (HTW): 1.493m
 Half width (HHW): 3.089m
 Quarter width (HQW): 4.705m
 Foot median: 13.840m
 ORC Headsail area: 44.067m?
 IRC Headsail area: 43.968m?
 Surface area: 44.893m?
 Forestay height: 14.210m
 J: 4.200m

Luff Curve

14.147m,	0.000m	Fanned Luff (@ 5.00% [0.322m])	Before BSeam
12.972m,	0.048m	100% (14.148m) :	0.000m
11.672m,	0.087m	90% (12.732m) :	0.004m
10.527m,	0.107m	80% (11.320m) :	0.012m
9.196m,	0.114m	70% (9.904m) :	0.036m
7.040m,	0.100m	60% (8.489m) :	0.063m
4.598m,	0.068m	50% (7.074m) :	0.082m
2.391m,	0.034m	40% (5.659m) :	0.089m
0.000m,	0.000m	30% (4.244m) :	0.084m
		20% (2.830m) :	0.064m
		10% (1.414m) :	0.031m
		0% (0.000m) :	0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Fwd Camb	Aft Camb
100.00%	8.892%	41.484%	19.969?	26.952?	-11.648?	0.000m	6.975%	6.550%
80.00%	15.467%	42.559%	15.975?	54.529?	-22.483?	-0.099m	12.081%	11.253%
60.00%	16.201%	42.431%	11.982?	60.132?	-24.691?	-0.150m	12.463%	11.757%
39.99%	14.569%	41.720%	7.987?	58.054?	-22.096?	-0.150m	11.219%	10.557%
20.00%	11.607%	40.663%	3.994?	49.160?	-17.753?	-0.106m	9.027%	8.454%
10.00%	9.510%	40.221%	1.997?	41.215?	-14.909?	-0.062m	7.446%	6.960%
0.00%	7.098%	39.779%	0.000?	31.098?	-11.603?	0.000m	5.596%	5.229%

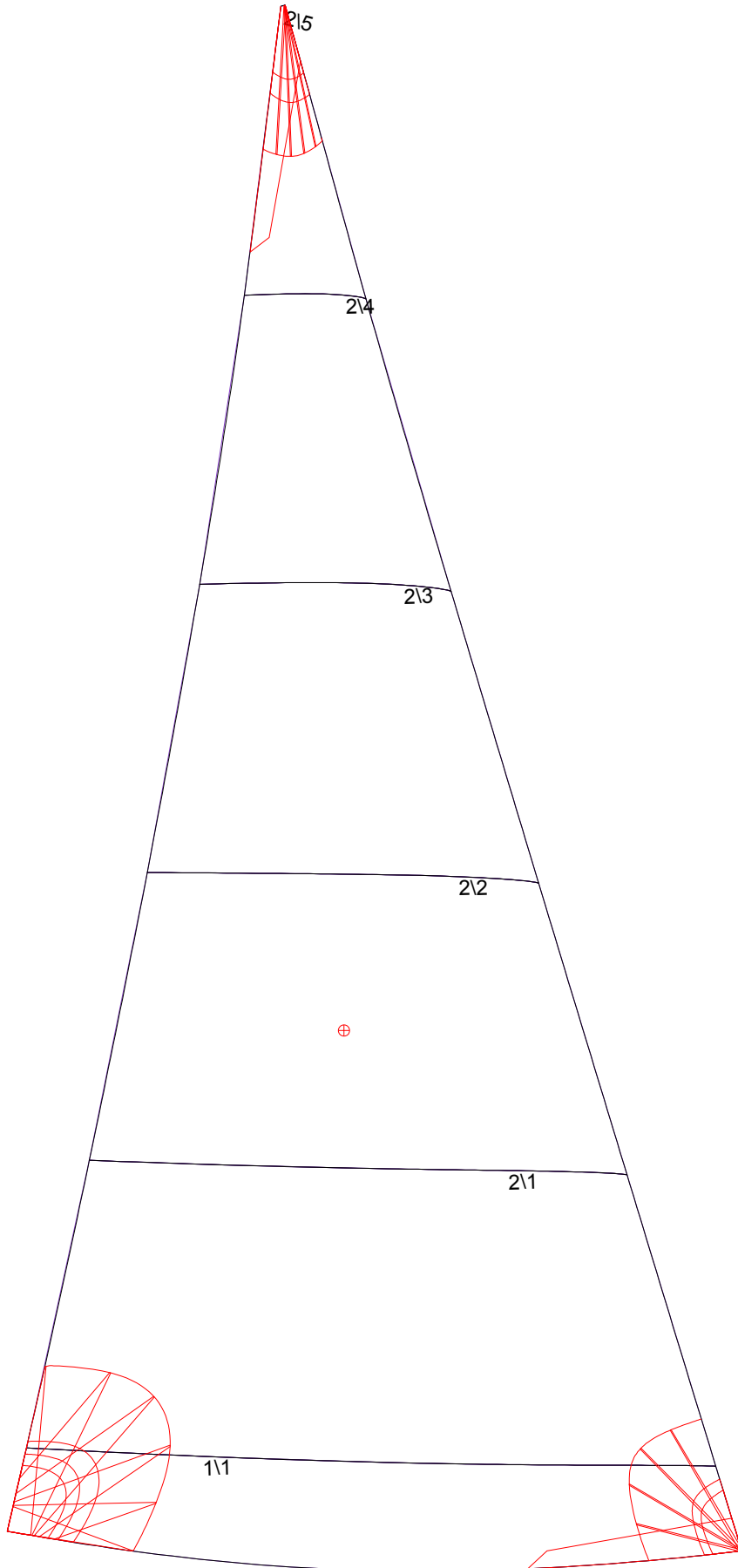
Chord Data

Luff LL : 14.1473m
 Leech : 13.6175m
 Luff Perpendicular : 6.1371m
 Clew Height : 0.1700m
 Headboard width : 0.0400m

Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.1522m	0.2158m	0.1601m

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.060m
Zone: 2	0.000m	0.000m	0.060m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	18.40
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	45.02	11,21,22,23,24 215