

Genoa: 5001018 Tim.des

Design Info
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Design File:
E:\Dropbox\Fareast Sails\2021\5001018 Tim\5001018 Tim.des

Initial Design Date: 26/10/2021
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 11.380m
 Leech geodesic: 10.240m
 Foot geodesic: 5.470m
 Headboard width: 0.035m
 Luff perpendicular (HLP): 4.970m
 Upper width (HUW): 0.567m
 Three-quarter width (HTW): 1.126m
 Half width (HHW): 2.361m
 Quarter width (HQW): 3.665m
 Foot median: 10.700m
 ORC Headsail area: 27.515m?
 IRC Headsail area: 27.427m?
 Surface area: 27.960m?
 Forestay height: 11.000m
 J: 4.500m

Luff Curve

11.379m, 0.000m
 8.534m, 0.041m
 5.690m, 0.055m
 2.845m, 0.041m
 0.000m, 0.000m

Fanned Luff (@ 5.00% [0.269m])
 Before BSeam
 100% (11.379m) : 0.000m -0.000m
 90% (10.241m) : -0.018m 0.019m
 80% (9.104m) : -0.035m 0.039m
 70% (7.965m) : -0.048m 0.058m
 60% (6.828m) : -0.056m 0.073m
 50% (5.690m) : -0.060m 0.080m
 40% (4.552m) : -0.059m 0.079m
 30% (3.413m) : -0.053m 0.069m
 20% (2.276m) : -0.040m 0.050m
 10% (1.136m) : -0.022m 0.024m
 0% (0.000m) : 0.000m 0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Fwd Camb	Aft Camb
100.00%	8.287%	41.484%	19.969?	26.952?	-11.648?	0.000m	6.571%	6.143%
80.00%	14.416%	42.559%	15.975?	54.529?	-22.483?	-0.142m	11.354%	10.561%
60.00%	15.100%	42.431%	11.982?	60.132?	-24.691?	-0.210m	11.701%	11.040%
39.99%	13.579%	41.720%	7.987?	58.054?	-22.096?	-0.192m	10.536%	9.915%
20.00%	10.818%	40.663%	3.994?	49.160?	-17.753?	-0.116m	8.487%	7.942%
10.00%	8.864%	40.221%	1.997?	41.215?	-14.909?	-0.063m	7.008%	6.540%
0.00%	6.616%	39.779%	0.000?	31.098?	-11.603?	0.000m	5.275%	4.921%

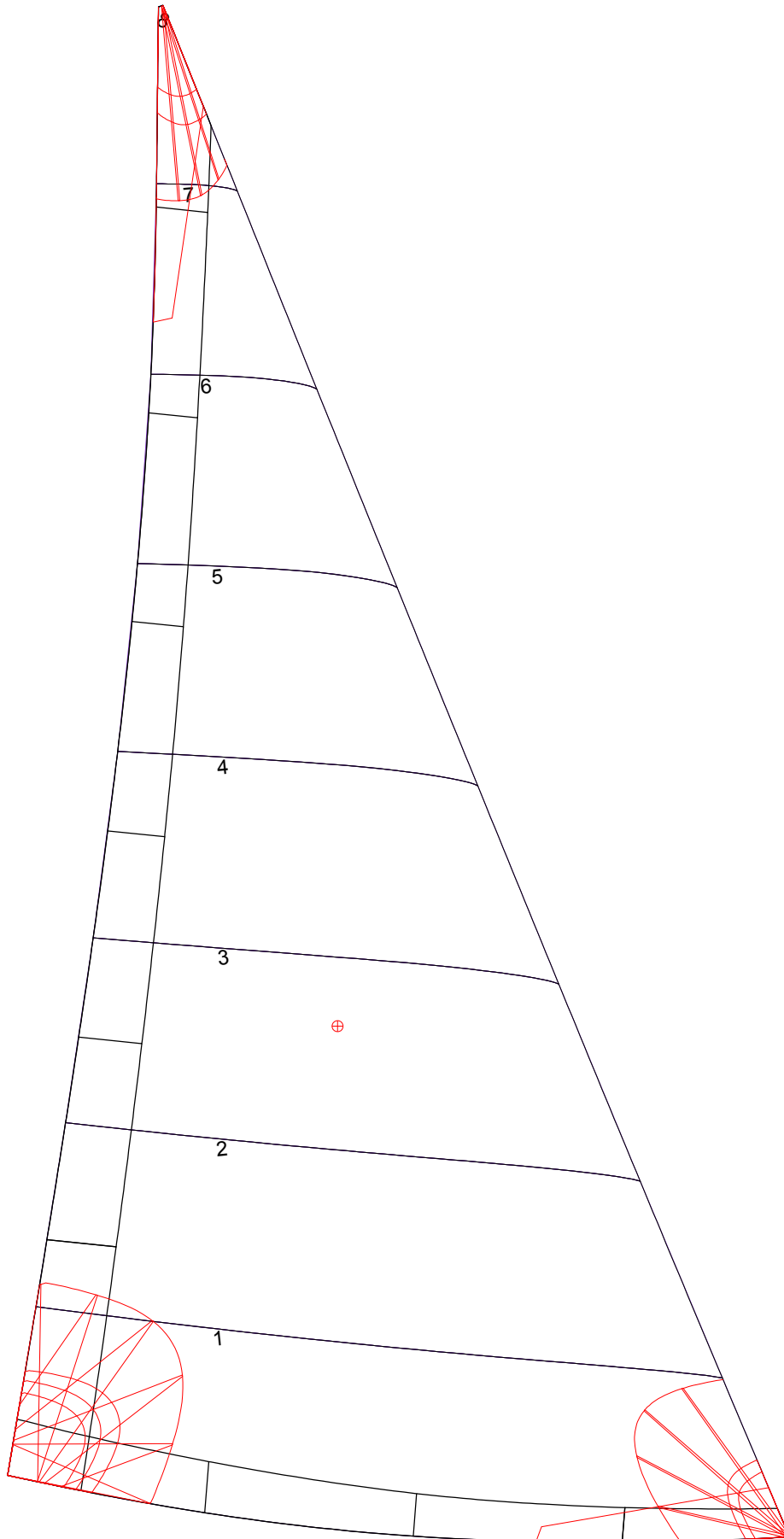
Chord Data

Luff LL : 11.3792m
 Leech : 10.1657m
 Luff Perpendicular : 4.8746m
 Clew Height : 0.4225m
 Headboard width : 0.0350m

Fanned Foot Curve Depths

25.0% 50.0% 75.0%
 0.1168m 0.1630m 0.1198m

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.025m
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	0.050m	0.050m
Cover 1	0.050m	0.050m	0.050m

Total Seam Lengths (m)

Horizontal	18.85
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	28.04	1,2,3,4,5 6,7,8