

Genoa: 5000906 Michael.des

Design Info
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Design File:
E:\Dropbox\Fareast Sails\2021\5000906 Michael\5000906 Michael.des

Initial Design Date: 11/9/2021
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 18.950m
 Leech geodesic: 16.079m
 Foot geodesic: 8.280m
 Headboard width: 0.035m
 Luff perpendicular (HLP): 7.000m
 Upper width (HUW): 0.819m
 Three-quarter width (HTW): 1.625m
 Half width (HHW): 3.347m
 Quarter width (HQW): 5.161m
 Foot median: 17.338m
 ORC Headsail area: 64.783m?
 IRC Headsail area: 64.664m?
 Surface area: 65.924m?
 Forestay height: 19.450m
 J: 7.250m

Luff Curve

18.948m, 0.000m
 14.211m, 0.081m
 9.475m, 0.108m
 4.737m, 0.081m
 0.000m, 0.000m

Fanned Luff (@ 5.00% [0.400m])

100% (18.948m) : 0.000m
 90% (17.052m) : -0.036m
 80% (15.159m) : -0.070m
 70% (13.264m) : -0.096m
 60% (11.369m) : -0.112m
 50% (9.474m) : -0.118m
 40% (7.579m) : -0.114m
 30% (5.684m) : -0.101m
 20% (3.790m) : -0.076m
 10% (1.892m) : -0.040m
 0% (0.000m) : 0.000m

Before BSeam

0.000m
 0.007m
 0.014m
 0.020m
 0.026m
 0.032m
 0.033m
 0.027m
 0.019m
 0.013m
 0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Fwd Camb	Aft Camb
100.00%	11.280%	40.000%	15.000?	43.957?	-22.993?	0.000m	9.200%	8.600%
80.00%	11.200%	39.600%	12.000?	44.117?	-23.616?	-0.139m	9.173%	8.647%
60.00%	10.800%	39.200%	9.000?	43.951?	-23.036?	-0.205m	8.911%	8.376%
40.00%	9.608%	38.800%	6.000?	42.865?	-20.462?	-0.187m	8.073%	7.478%
20.00%	7.554%	38.400%	3.000?	36.624?	-16.730?	-0.114m	6.471%	5.934%
10.00%	6.436%	38.200%	1.500?	30.838?	-14.414?	-0.061m	5.513%	5.074%
4.00%	5.620%	38.080%	0.600?	25.827?	-12.483?	-0.025m	4.780%	4.432%
0.00%	4.800%	37.393%	0.000?	21.643?	-10.958?	0.000m	4.098%	3.864%

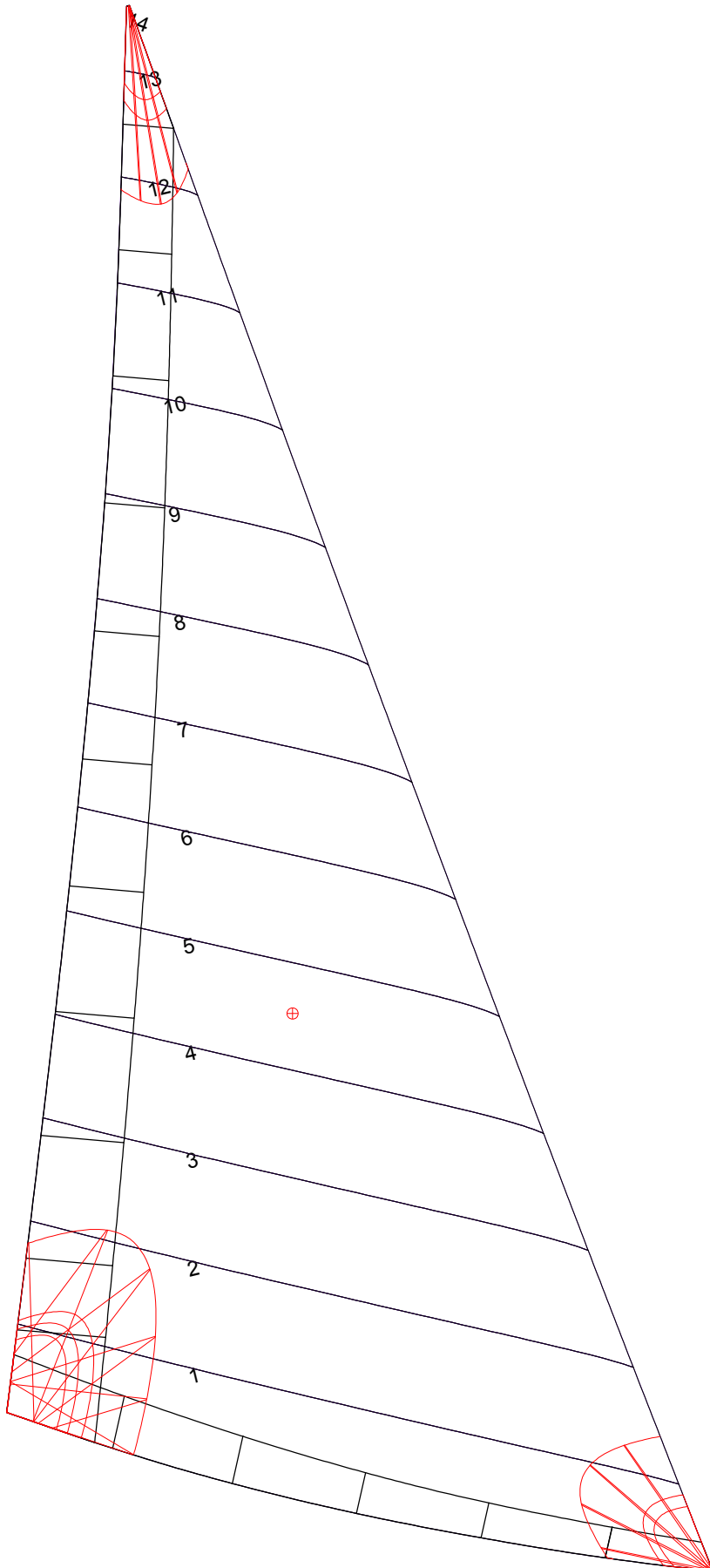
Chord Data

Luff LL : 18.9480m
 Leech : 16.0153m
 Luff Perpendicular : 6.8767m
 Clew Height : 1.8000m
 Headboard width : 0.0350m

Fanned Foot Curve Depths

25.0% 50.0% 75.0%
 0.1593m 0.2191m 0.1673m

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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	0.025m	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	51.97
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	66.00	1,2,3,4,5 6,7,8,9,10 11,12,13,14