

Genoa: 5000905 Victor-42m2-3.des

Design Info
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Design File:
E:\Dropbox\Fareast Sails\2021\5000905 Victor\5000905 Victor-42m2-3.des

Initial Design Date: 3/12/2021
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 13.050m
 Leech geodesic: 11.853m
 Foot geodesic: 7.165m
 Headboard width: 0.035m
 Luff perpendicular (HLP): 6.490m
 Upper width (HUW): 0.747m
 Three-quarter width (HTW): 1.489m
 Half width (HHW): 3.100m
 Quarter width (HQW): 4.787m
 Foot median: 12.232m
 ORC Headsail area: 41.302m?
 IRC Headsail area: 41.207m?
 Surface area: 42.120m?
 Forestay height: 13.200m
 J: 5.900m

Luff Curve

13.049m, 0.000m
 9.787m, 0.056m
 6.525m, 0.074m
 3.262m, 0.056m
 0.000m, 0.000m

Fanned Luff (@ 5.00% [0.355m])		Before BSeam
100% (13.049m) :	0.000m	-0.000m
90% (11.743m) :	-0.023m	0.013m
80% (10.440m) :	-0.045m	0.026m
70% (9.134m) :	-0.062m	0.040m
60% (7.829m) :	-0.072m	0.050m
50% (6.524m) :	-0.077m	0.053m
40% (5.219m) :	-0.075m	0.049m
30% (3.914m) :	-0.067m	0.041m
20% (2.610m) :	-0.051m	0.029m
10% (1.303m) :	-0.028m	0.012m
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?	-0.153m	8.822%	8.134%
60.00%	11.500%	42.431%	11.982?	60.132?	-24.691?	-0.226m	9.206%	8.679%
39.99%	10.122%	41.720%	7.987?	58.054?	-22.096?	-0.206m	8.152%	7.660%
20.00%	8.064%	40.663%	3.994?	49.160?	-17.753?	-0.125m	6.604%	6.144%
10.00%	6.608%	40.221%	1.997?	41.215?	-14.909?	-0.068m	5.478%	5.068%
0.00%	4.932%	39.779%	0.000?	31.098?	-11.603?	0.000m	4.146%	3.819%

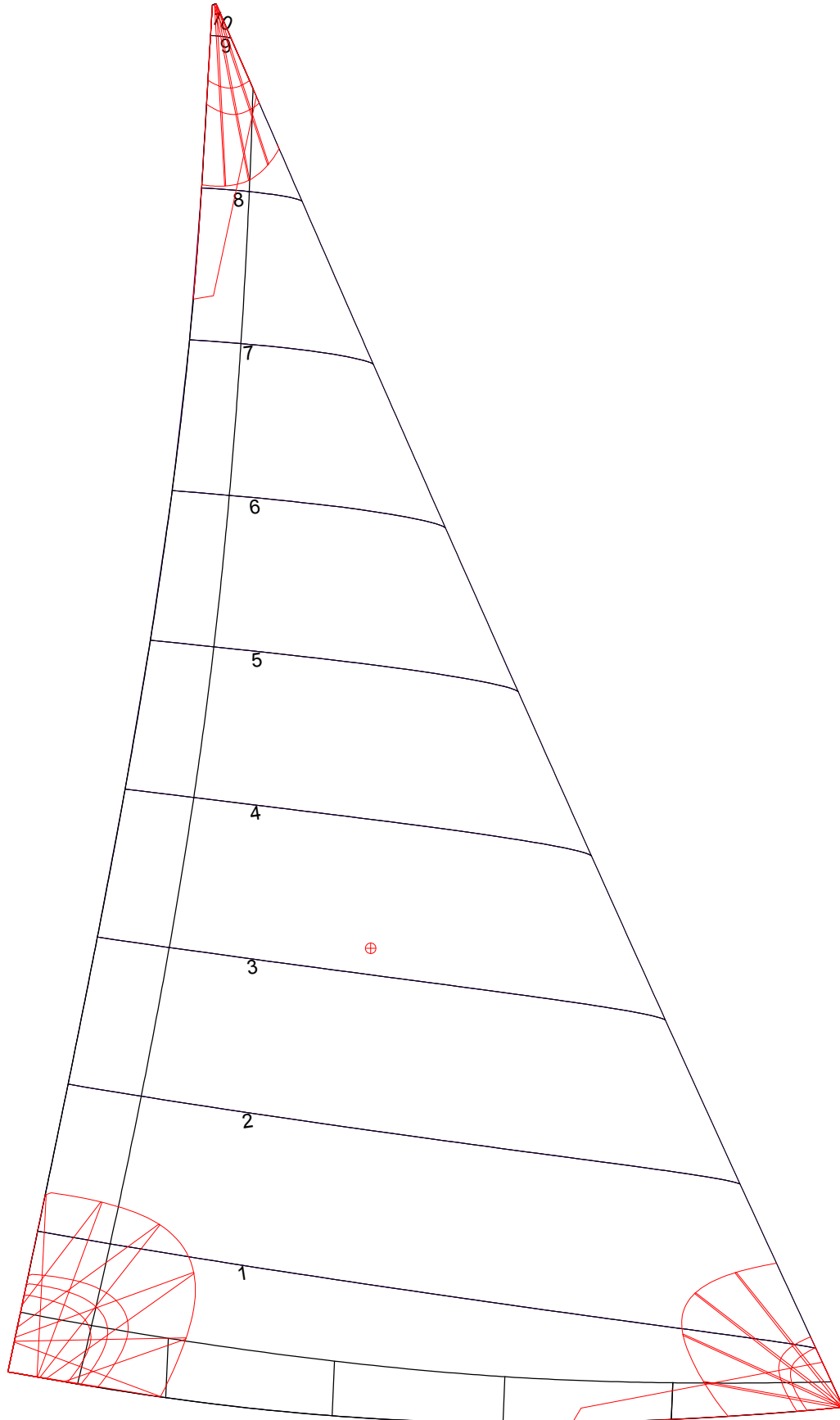
Chord Data

Luff LL : 13.0487m
 Leech : 11.7465m
 Luff Perpendicular : 6.3519m
 Clew Height : 0.3000m
 Headboard width : 0.0350m

Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.1663m	0.2325m	0.1691m

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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	0.070m	0.070m
Cover 1	0.050m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	30.38
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	42.23	1,2,3,4,5 6,7,8,9,10