

# Genoa: 5000905 Victor-95%-2.des

Design Info  
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Design File:  
E:\Dropbox\Fareast Sails\2021\5000905 Victor\5000905 Victor-95%-2.des

Initial Design Date: 3/12/2021  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic: 12.500m  
 Leech geodesic: 11.221m  
 Foot geodesic: 5.228m  
 Headboard width: 0.035m  
 Luff perpendicular (HLP): 4.702m  
 Upper width (HUW): 0.554m  
 Three-quarter width (HTW): 1.093m  
 Half width (HHW): 2.256m  
 Quarter width (HQW): 3.471m  
 Foot median: 11.769m  
 ORC Headsail area: 28.747m?  
 IRC Headsail area: 28.698m?  
 Surface area: 29.166m?  
 Forestay height: 12.900m  
 J: 4.950m

### Luff Curve

12.499m,	0.000m
9.374m,	0.053m
6.250m,	0.071m
3.125m,	0.053m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.258m])

100% (12.499m) :	0.000m	0.000m
90% (11.248m) :	-0.023m	0.005m
80% (10.000m) :	-0.044m	0.011m
70% (8.749m) :	-0.060m	0.019m
60% (7.499m) :	-0.070m	0.025m
50% (6.249m) :	-0.074m	0.026m
40% (4.999m) :	-0.072m	0.024m
30% (3.749m) :	-0.064m	0.019m
20% (2.500m) :	-0.049m	0.013m
10% (1.248m) :	-0.026m	0.005m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

### 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%	4.714%
80.00%	10.747%	42.559%	15.975?	54.529?	-22.483?	-0.097m	8.823%	8.134%
60.00%	11.500%	42.431%	11.982?	60.132?	-24.691?	-0.143m	9.206%	8.679%
39.99%	10.122%	41.720%	7.987?	58.054?	-22.096?	-0.130m	8.152%	7.660%
20.00%	8.064%	40.663%	3.994?	49.160?	-17.753?	-0.079m	6.604%	6.144%
10.00%	6.608%	40.221%	1.997?	41.215?	-14.909?	-0.043m	5.478%	5.068%
0.00%	4.932%	39.779%	0.000?	31.098?	-11.603?	0.000m	4.149%	3.828%

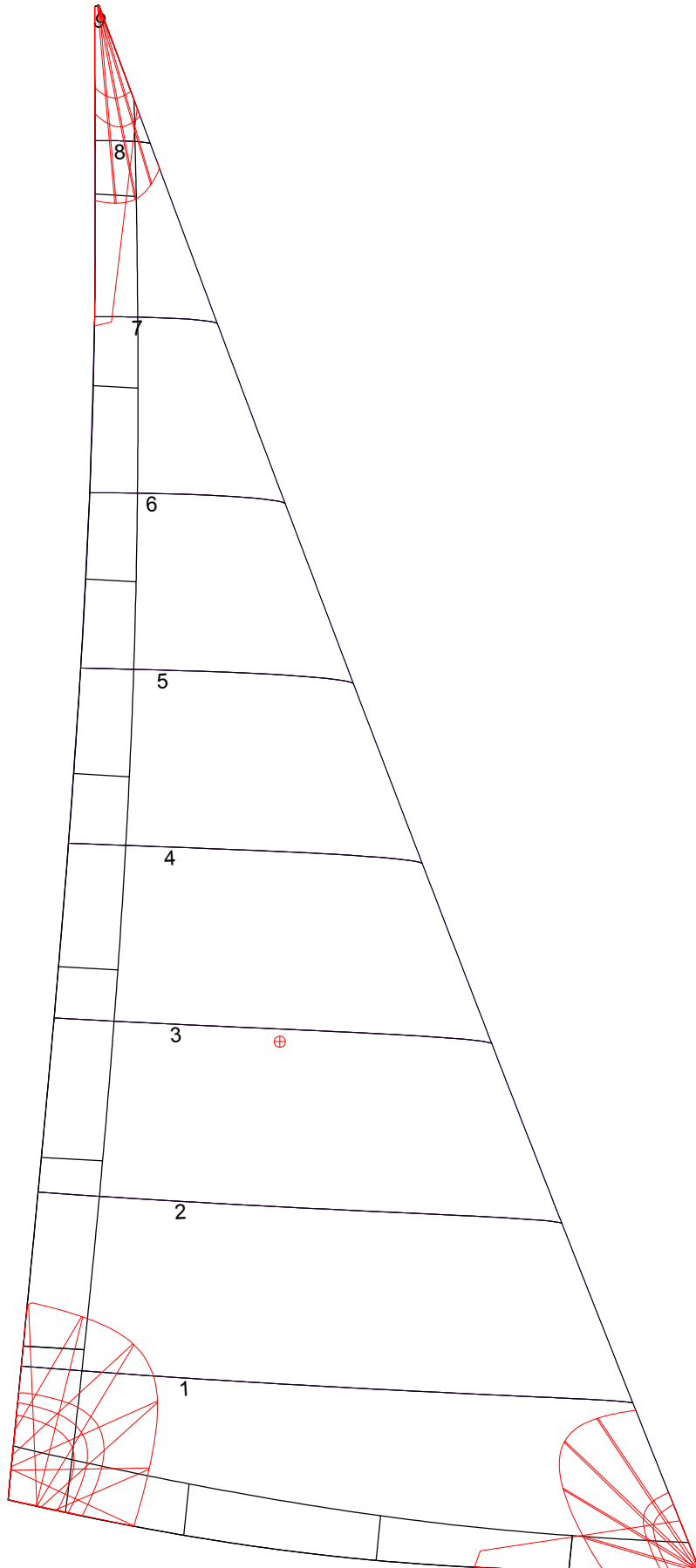
### Chord Data

Luff LL : 12.4988m  
 Leech : 11.1597m  
 Luff Perpendicular : 4.6215m  
 Clew Height : 0.5300m  
 Headboard width : 0.0350m

### Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.1076m	0.1488m	0.1078m

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

## Total Seam Lengths (m)

Horizontal	19.93
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	29.24	1,2,3,4,5 6,7,8,9