

Genoa: 7000513 Carl-2 JibV2.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000513 Carl 比赛

Initial Design Date: 22/9/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	14.602m
Leech geodesic:	14.000m
Foot geodesic:	4.350m
Headboard width:	0.033m
Luff perpendicular (HLP):	4.180m
Upper width (HUW):	0.450m
Three-quarter width (HTW):	0.893m
Half width (HHW):	1.885m
Quarter width (HQW):	2.997m
Foot median:	14.236m
ORC Headsail area:	28.932m?
IRC Headsail area:	28.850m?
Surface area:	28.866m?
Forestay height:	15.500m
J:	4.520m

Draft Stripes

1, Luff: 3.662m ; Leech: 3.469m ;
2, Luff: 7.323m ; Leech: 6.973m ;
3, Luff: 10.974m ; Leech: 10.469m ;

Luff Curve

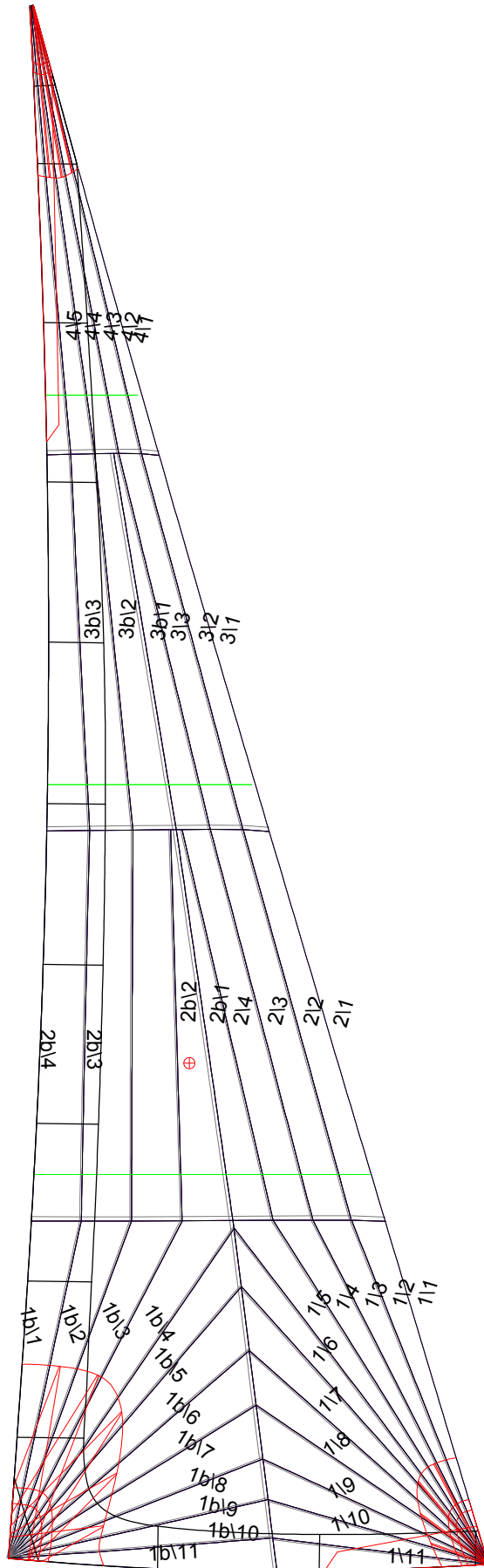
14.600m,	0.000m
13.387m,	0.037m
12.045m,	0.066m
10.864m,	0.082m
9.491m,	0.088m
7.266m,	0.077m
4.745m,	0.052m
2.468m,	0.026m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.216m])

100% (14.601m) :	-0.000m	0.000m
90% (13.140m) :	-0.038m	-0.010m
80% (11.682m) :	-0.066m	-0.014m
70% (10.221m) :	-0.080m	-0.009m
60% (8.761m) :	-0.083m	0.000m
50% (7.301m) :	-0.077m	0.010m
40% (5.840m) :	-0.066m	0.018m
30% (4.380m) :	-0.051m	0.021m
20% (2.921m) :	-0.035m	0.021m
10% (1.459m) :	-0.018m	0.014m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.030m	0.015m	0.038m
Zone: 1/b	0.030m	0.015m	0.038m
Zone: 2/a	0.030m	0.015m	0.038m
Zone: 2/b	0.030m	0.015m	0.038m
Zone: 3/a	0.030m	0.015m	0.038m
Zone: 3/b	0.030m	0.015m	0.038m
Zone: 4	0.030m	0.015m	0.038m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.000m	0.000m	0.000m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.000m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	6.45
Radial/Vertical	111.18
Bi-Radial Split	10.43

Materials

Material	Area (m ²)	Panels
Material 1	28.93	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,2\1,2\2,2\3 2\4,2b\1,2b\2,2b\3,2b\4 3\1,3\2,3\3,3b\1,3b\2 3b\3,4\1,4\2,4\3,4\4 4\5