

Genoa: 8000422 Karen 135%bluewater headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000422 Karen he

Initial Design Date: 26/4/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	16.394m
Leech geodesic:	14.507m
Foot geodesic:	8.358m
Headboard width:	0.045m
Luff perpendicular (HLP):	7.465m
Upper width (HUW):	0.821m
Three-quarter width (HTW):	1.643m
Half width (HHW):	3.504m
Quarter width (HQW):	5.451m
Foot median:	15.101m
ORC Headsail area:	59.029m ²
IRC Headsail area:	58.872m ²
Surface area:	59.447m ²
Forestay height:	16.160m
J:	5.530m

Draft Stripes

1, Luff: 4.119m ; Leech: 2.602m ;
2, Luff: 8.236m ; Leech: 6.589m ;
3, Luff: 12.335m ; Leech: 10.501m ;

Luff Curve

16.391m,	0.000m
15.029m,	0.056m
13.522m,	0.101m
12.196m,	0.124m
10.654m,	0.132m
8.157m,	0.116m
5.327m,	0.079m
2.770m,	0.039m
0.000m,	0.000m

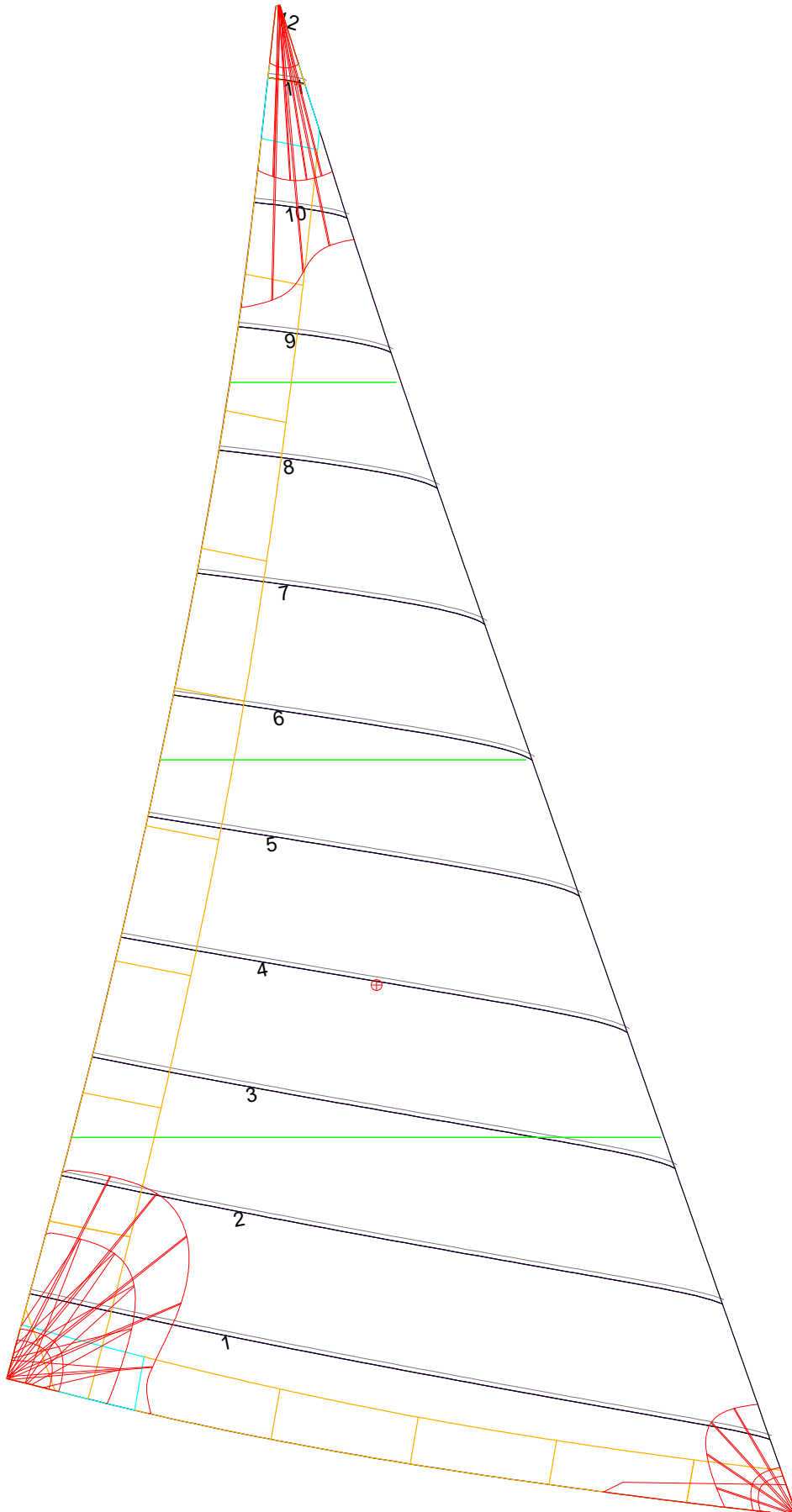
Fanned Luff (@ 5.00% [0.406m])

100% (16.391m) :	0.000m
90% (14.751m) :	-0.066m
80% (13.115m) :	-0.120m
70% (11.475m) :	-0.142m
60% (9.835m) :	-0.139m
50% (8.196m) :	-0.125m
40% (6.557m) :	-0.103m
30% (4.917m) :	-0.078m
20% (3.279m) :	-0.052m
10% (1.638m) :	-0.027m
0% (0.000m) :	0.000m

Before BSeam

0.000m
-0.019m
-0.027m
-0.002m
0.036m
0.062m
0.075m
0.078m
0.066m
0.036m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.045m	0.045m	0.045m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	44.31
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	59.59	1,2,3,4,5 6,7,8,9,10 11,12