

Genoa: 7000423 Matt Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000423 Matt\7000423

Initial Design Date: 3/5/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	16.900m
Leech geodesic:	15.300m
Foot geodesic:	7.100m
Headboard width:	0.010m
Luff perpendicular (HLP):	6.512m
Upper width (HUW):	0.664m
Three-quarter width (HTW):	1.360m
Half width (HHW):	2.985m
Quarter width (HQW):	4.729m
Foot median:	16.024m
ORC Headsail area:	52.374m?
IRC Headsail area:	52.144m?
Surface area:	53.347m?
Forestay height:	17.800m
J:	4.300m

Draft Stripes

- 1, Luff: 4.240m ; Leech: 2.731m ;
- 2, Luff: 8.478m ; Leech: 6.952m ;
- 3, Luff: 12.703m ; Leech: 11.097m ;

Luff Curve

16.897m,	0.000m
15.493m,	0.057m
13.940m,	0.104m
12.573m,	0.127m
10.983m,	0.137m
8.408m,	0.120m
5.491m,	0.081m
2.856m,	0.041m
0.000m,	0.000m

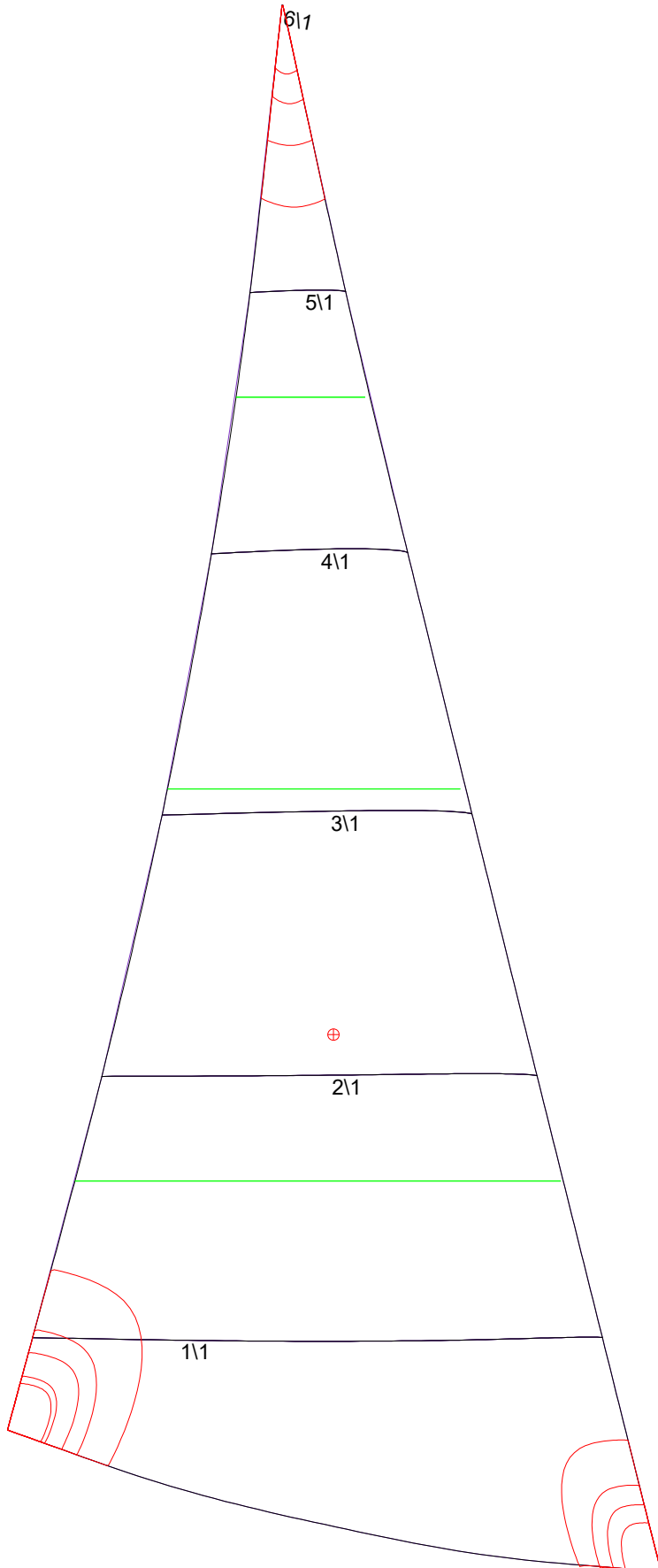
Fanned Luff (@ 5.00% [0.343m])

100% (16.897m) :	0.000m
90% (15.208m) :	-0.066m
80% (13.519m) :	-0.121m
70% (11.829m) :	-0.143m
60% (10.139m) :	-0.142m
50% (8.449m) :	-0.129m
40% (6.759m) :	-0.108m
30% (5.069m) :	-0.083m
20% (3.380m) :	-0.057m
10% (1.689m) :	-0.030m
0% (0.000m) :	0.000m

Before BSeam

-0.000m
-0.016m
-0.020m
0.009m
0.053m
0.085m
0.101m
0.104m
0.086m
0.045m
0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.000m
Zone: 2	0.000m	0.000m	0.000m
Zone: 3	0.000m	0.000m	0.000m
Zone: 4	0.000m	0.000m	0.000m
Zone: 5	0.000m	0.000m	0.000m
Zone: 6	0.000m	0.000m	0.000m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	0.00
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	53.34	1\1,2\1,3\1,4\1,5\1,6\1