

Genoa: 8000104 Roger Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000104 Roger\80

Initial Design Date: 6/1/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	16.645m
Leech geodesic:	15.392m
Foot geodesic:	8.230m
Headboard width:	0.046m
Luff perpendicular (HLP):	7.701m
Upper width (HUW):	0.872m
Three-quarter width (HTW):	1.734m
Half width (HHW):	3.590m
Quarter width (HQW):	5.634m
Foot median:	15.954m
ORC Headsail area:	61.933m?
IRC Headsail area:	61.681m?
Surface area:	63.741m?
Forestay height:	17.730m
J:	5.383m

Draft Stripes

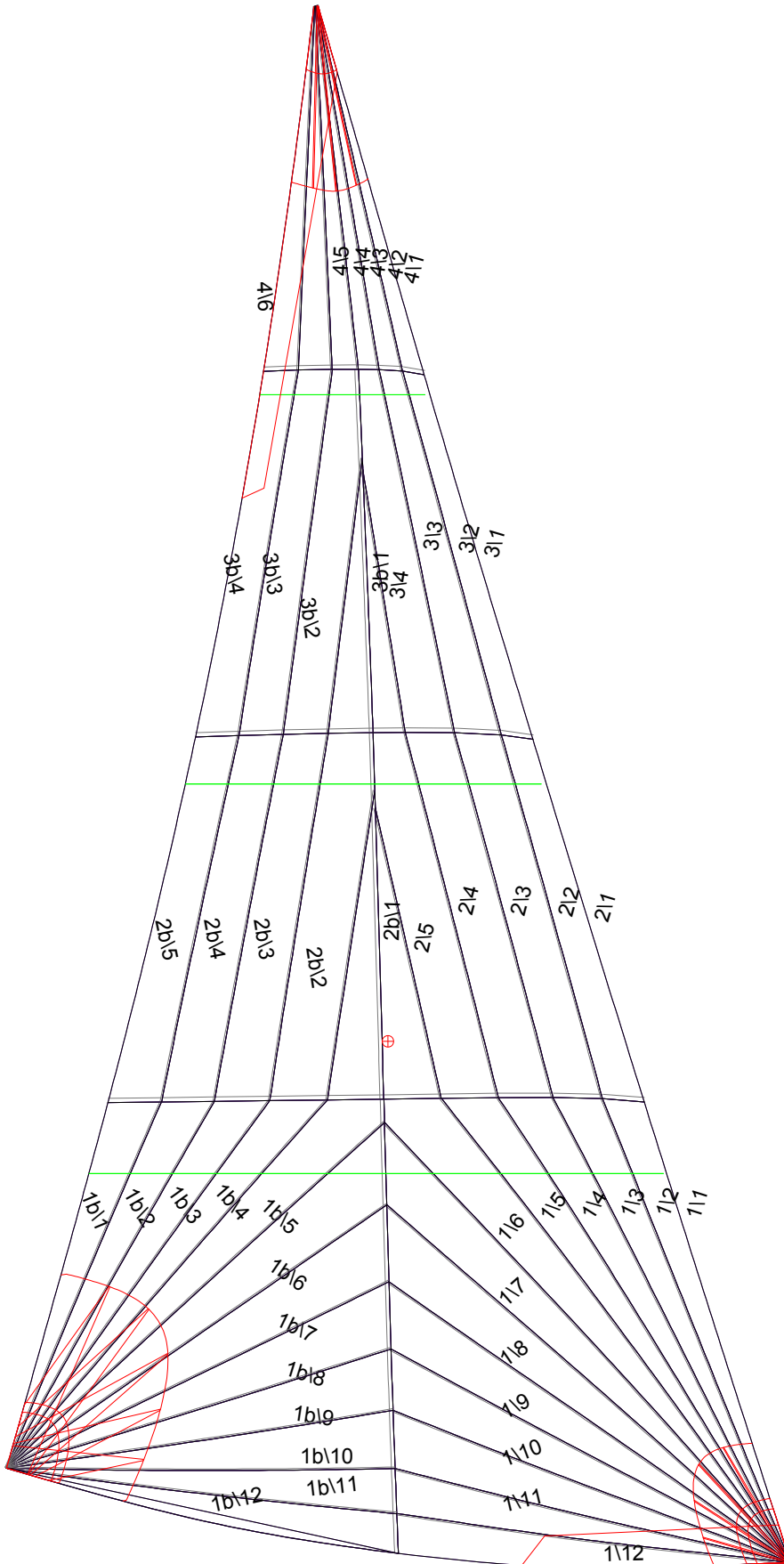
- 1, Luff: 4.188m ; Leech: 3.162m ;
- 2, Luff: 8.360m ; Leech: 7.262m ;
- 3, Luff: 12.514m ; Leech: 11.290m ;

Luff Curve

16.642m,	0.000m
13.305m,	0.092m
9.970m,	0.127m
6.641m,	0.115m
3.317m,	0.073m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.401m])		Before BSeam
100% (16.642m) :	-0.000m	0.000m
90% (14.977m) :	-0.047m	0.014m
80% (13.315m) :	-0.092m	0.026m
70% (11.650m) :	-0.122m	0.042m
60% (9.986m) :	-0.134m	0.064m
50% (8.321m) :	-0.133m	0.088m
40% (6.657m) :	-0.125m	0.110m
30% (4.992m) :	-0.108m	0.123m
20% (3.329m) :	-0.081m	0.115m
10% (1.662m) :	-0.044m	0.075m
0% (0.000m) :	0.000m	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.038m	0.016m	0.045m
Zone: 1/b	0.038m	0.016m	0.045m
Zone: 2/a	0.038m	0.016m	0.045m
Zone: 2/b	0.038m	0.016m	0.045m
Zone: 3/a	0.038m	0.016m	0.045m
Zone: 3/b	0.038m	0.016m	0.045m
Zone: 4	0.038m	0.016m	0.045m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	11.35
Radial/Vertical	176.42
Bi-Radial Split	12.67

Materials

Material	Area (m ²)	Panels
6.1oz challen	44.38	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,2\1,2\2,2\3,2\4 2\5,2b\1,3\1,3\2,3\3 3\4,4\1,4\2,4\3
7.1oz challen	23.17	1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\11,1b\12,2b\2,2b\3 2b\4,2b\5,3b\1,3b\2,3b\3 3b\4,4\4,4\5,4\6