

# Genoa: 8000418 Clark 100% Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000418 Clark head

Initial Design Date: 20/4/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	13.277m
Leech geodesic:	12.274m
Foot geodesic:	4.277m
Headboard width:	0.035m
Luff perpendicular (HLP):	3.962m
Upper width (HUW):	0.439m
Three-quarter width (HTW):	0.864m
Half width (HHW):	1.805m
Quarter width (HQW):	2.852m
Foot median:	12.759m
ORC Headsail area:	25.082m?
IRC Headsail area:	25.019m?
Surface area:	25.326m?
Forestay height:	13.106m
J:	3.962m

### Draft Stripes

1, Luff: 4.396m ; Leech: 3.741m ;  
2, Luff: 8.786m ; Leech: 7.931m ;

### Luff Curve

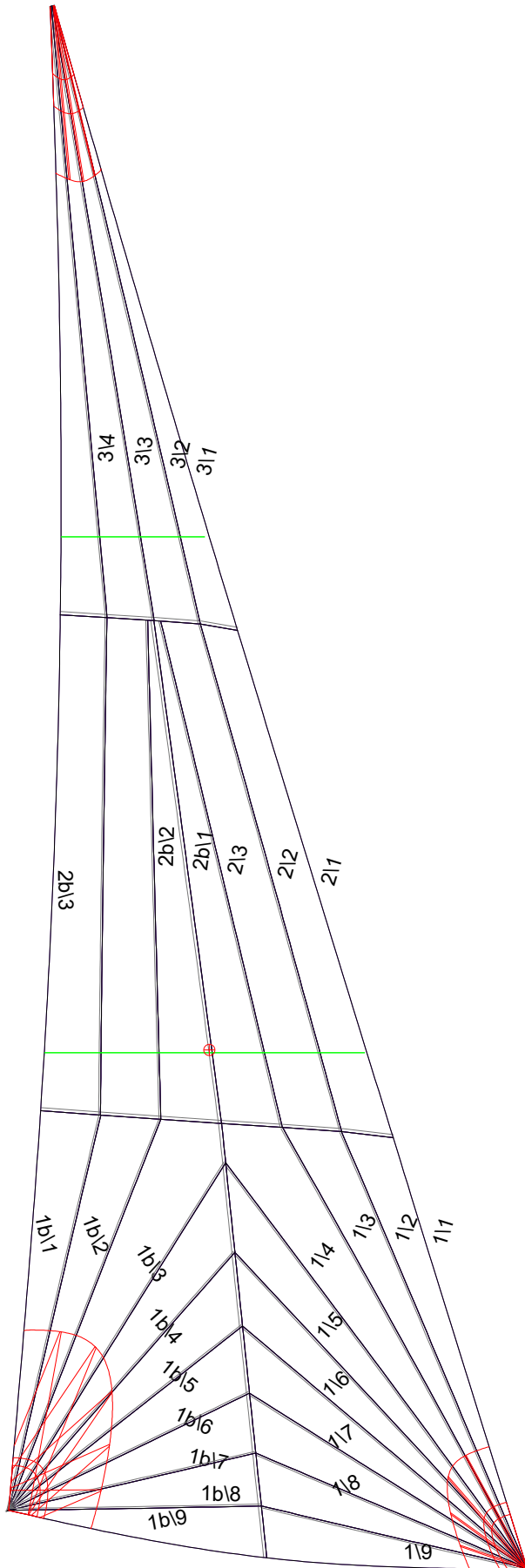
13.276m,	0.000m
12.172m,	0.033m
10.952m,	0.060m
9.878m,	0.074m
8.629m,	0.080m
6.606m,	0.070m
4.315m,	0.047m
2.244m,	0.024m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.211m])

100% (13.276m) :	0.000m	0.000m
90% (11.948m) :	-0.035m	-0.007m
80% (10.621m) :	-0.061m	-0.008m
70% (9.293m) :	-0.075m	-0.002m
60% (7.966m) :	-0.077m	0.007m
50% (6.638m) :	-0.072m	0.017m
40% (5.310m) :	-0.061m	0.024m
30% (3.983m) :	-0.048m	0.025m
20% (2.656m) :	-0.033m	0.024m
10% (1.327m) :	-0.017m	0.016m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	4.50
Radial/Vertical	79.89
Bi-Radial Split	7.86

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	25.32	1i1, 1i2, 1i3, 1i4, 1i5 1i6, 1i7, 1i8, 1i9, 1b1 1b2, 1b3, 1b4, 1b5, 1b6 1b7, 1b8, 1b9, 2i1, 2i2 2i3, 2b1, 2b2, 2b3, 3i1 3i2, 3i3, 3i4