

# Genoa: 8000115 David Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000115 David headsail

Initial Design Date: 13/6/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	9.656m
Leech geodesic:	9.183m
Foot geodesic:	5.010m
Headboard width:	0.050m
Luff perpendicular (HLP):	4.724m
Upper width (HUW):	0.537m
Three-quarter width (HTW):	1.058m
Half width (HHW):	2.237m
Quarter width (HQW):	3.466m
Foot median:	9.233m
ORC Headsail area:	22.139m <sup>2</sup>
IRC Headsail area:	22.067m <sup>2</sup>
Surface area:	22.332m <sup>2</sup>
Forestay height:	10.506m
J:	3.499m

### Draft Stripes

- 1, Luff: 3.202m ; Leech: 2.905m ;
- 2, Luff: 6.398m ; Leech: 5.982m ;

### Luff Curve

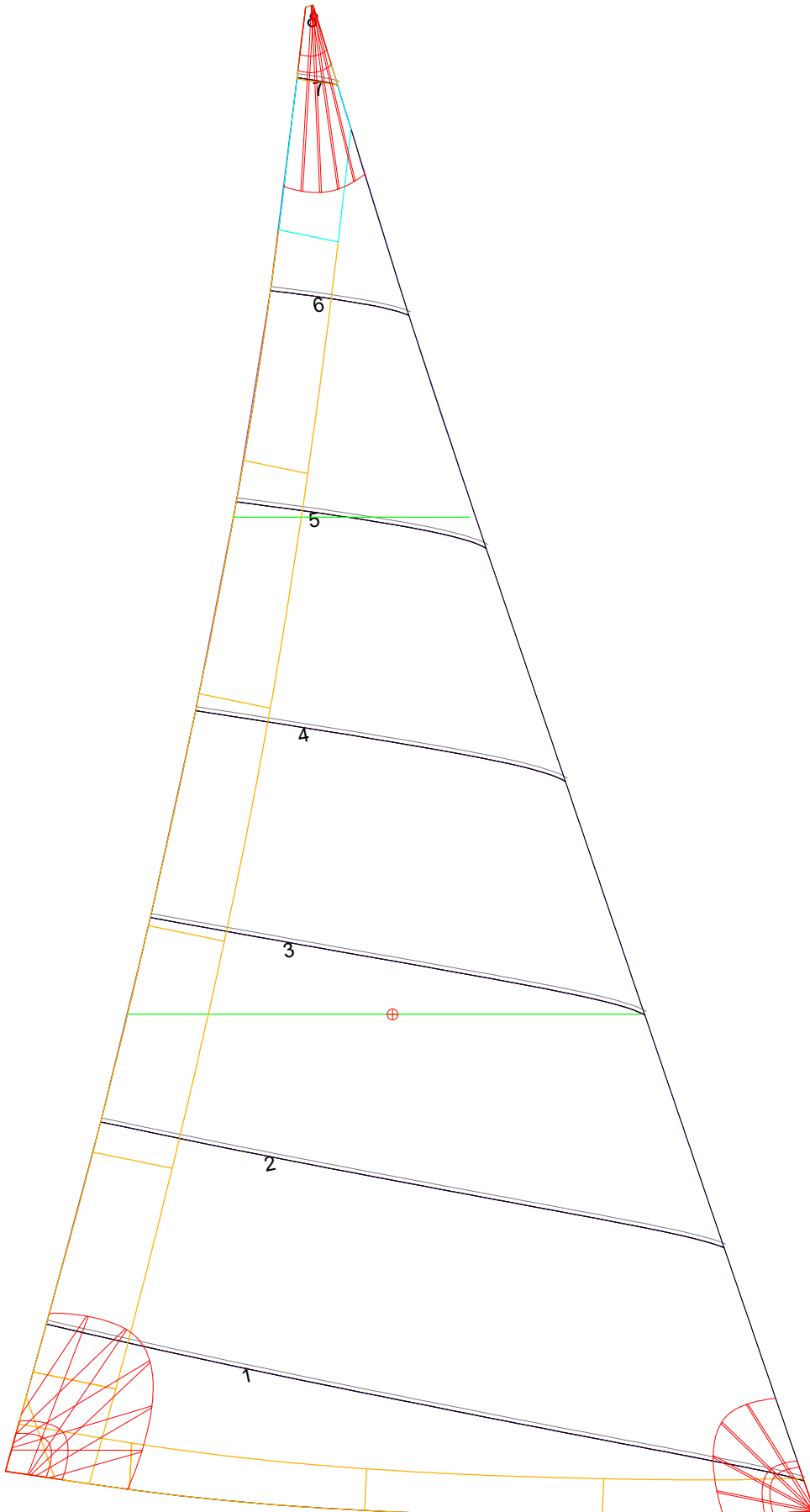
9.654m,	0.000m
8.852m,	0.033m
7.965m,	0.059m
7.184m,	0.073m
6.275m,	0.078m
4.804m,	0.068m
3.138m,	0.046m
1.632m,	0.023m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.246m])

100% (9.654m) :	-0.000m	-0.000m
90% (8.688m) :	-0.037m	-0.011m
80% (7.725m) :	-0.068m	-0.016m
70% (6.758m) :	-0.080m	-0.002m
60% (5.793m) :	-0.079m	0.021m
50% (4.827m) :	-0.071m	0.037m
40% (3.862m) :	-0.059m	0.045m
30% (2.896m) :	-0.045m	0.045m
20% (1.931m) :	-0.031m	0.036m
10% (0.965m) :	-0.016m	0.019m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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## Seam Allowances

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

## 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
Cover 3	0.070m	0.070m	0.100m

## Total Seam Lengths (m)

Horizontal	17.23
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	22.40	1,2,3,4,5 6,7,8