

# Genoa: 8000809 Ken HeadsailV1.des

Design Info  
=====

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000809 Ken head

Initial Design Date: 27/8/2024  
Boat:

Comments:

Client:

Design Data  
=====

## Genoa

### Measurements

Luff geodesic:	30.350Ft
Leech geodesic:	28.920Ft
Foot geodesic:	13.506Ft
Headboard width:	0.148Ft
Luff perpendicular (HLP):	12.845Ft
Upper width (HUW):	1.415Ft
Three-quarter width (HTW):	2.808Ft
Half width (HHW):	5.957Ft
Quarter width (HQW):	9.351Ft
Foot median:	29.167Ft
ORC Headsail area:	187.372Ft?
IRC Headsail area:	186.597Ft?
Surface area:	187.804Ft?
Forestay height:	30.512Ft
J:	9.514Ft

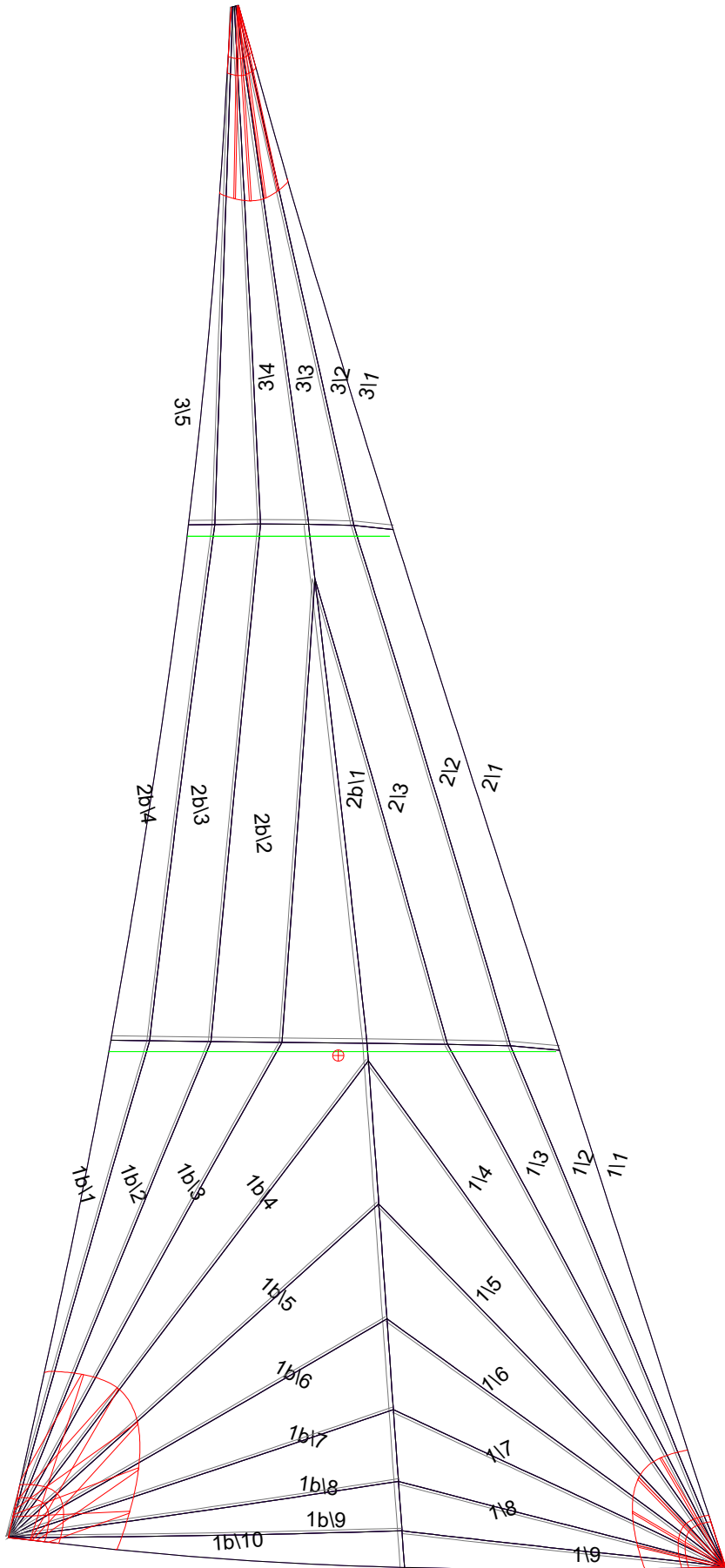
### Draft Stripes

- 1, Luff: 10.063Ft ; Leech: 9.271Ft ;
- 2, Luff: 20.107Ft ; Leech: 18.904Ft ;

### Luff Curve

		Fanned Luff (@ 5.00% [0.665Ft])	Before BSeam
30.344Ft,	0.000Ft	100% (30.344Ft) :	0.000Ft
27.822Ft,	0.106Ft	90% (27.306Ft) :	-0.128Ft
25.034Ft,	0.192Ft	80% (24.280Ft) :	-0.211Ft
22.579Ft,	0.236Ft	70% (21.242Ft) :	-0.248Ft
19.724Ft,	0.253Ft	60% (18.208Ft) :	-0.249Ft
15.100Ft,	0.222Ft	50% (15.173Ft) :	-0.226Ft
9.862Ft,	0.151Ft	40% (12.139Ft) :	-0.186Ft
5.129Ft,	0.075Ft	30% (9.103Ft) :	-0.141Ft
0.000Ft,	0.000Ft	20% (6.070Ft) :	-0.096Ft
		10% (3.032Ft) :	-0.051Ft
		0% (0.000Ft) :	0.000Ft

# Genoa: 8000809 Ken HeadsailV1.des



## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.082Ft	0.049Ft	0.082Ft
Zone: 1/b	0.082Ft	0.049Ft	0.082Ft
Zone: 2/a	0.082Ft	0.049Ft	0.082Ft
Zone: 2/b	0.082Ft	0.049Ft	0.082Ft
Zone: 3	0.082Ft	0.049Ft	0.082Ft

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000Ft	0.000Ft	0.000Ft

## Total Seam Lengths (Ft)

Horizontal	12.77
Radial/Vertical	238.35
Bi-Radial Split	20.33

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 2	187.97	1l1,1l2,1l3,1l4,1l5 1l6,1l7,1l8,1l9,1b1 1b2,1b3,1b4,1b5,1b6 1b7,1b8,1b9,1b10,2l1 2l2,2l3,2b1,2b2,2b3 2b4,3l1,3l2,3l3,3l4 3l5