

# Genoa: 8000809 Ken HeadsailV2.des

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

Initial Design Date: 31/8/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	30.500Ft
Leech geodesic:	28.580Ft
Foot geodesic:	15.250Ft
Headboard width:	0.148Ft
Luff perpendicular (HLP):	14.279Ft
Upper width (HUW):	1.595Ft
Three-quarter width (HTW):	3.173Ft
Half width (HHW):	6.684Ft
Quarter width (HQW):	10.437Ft
Foot median:	28.875Ft
ORC Headsail area:	210.354Ft?
IRC Headsail area:	209.549Ft?
Surface area:	210.981Ft?
Forestay height:	30.512Ft
J:	9.514Ft

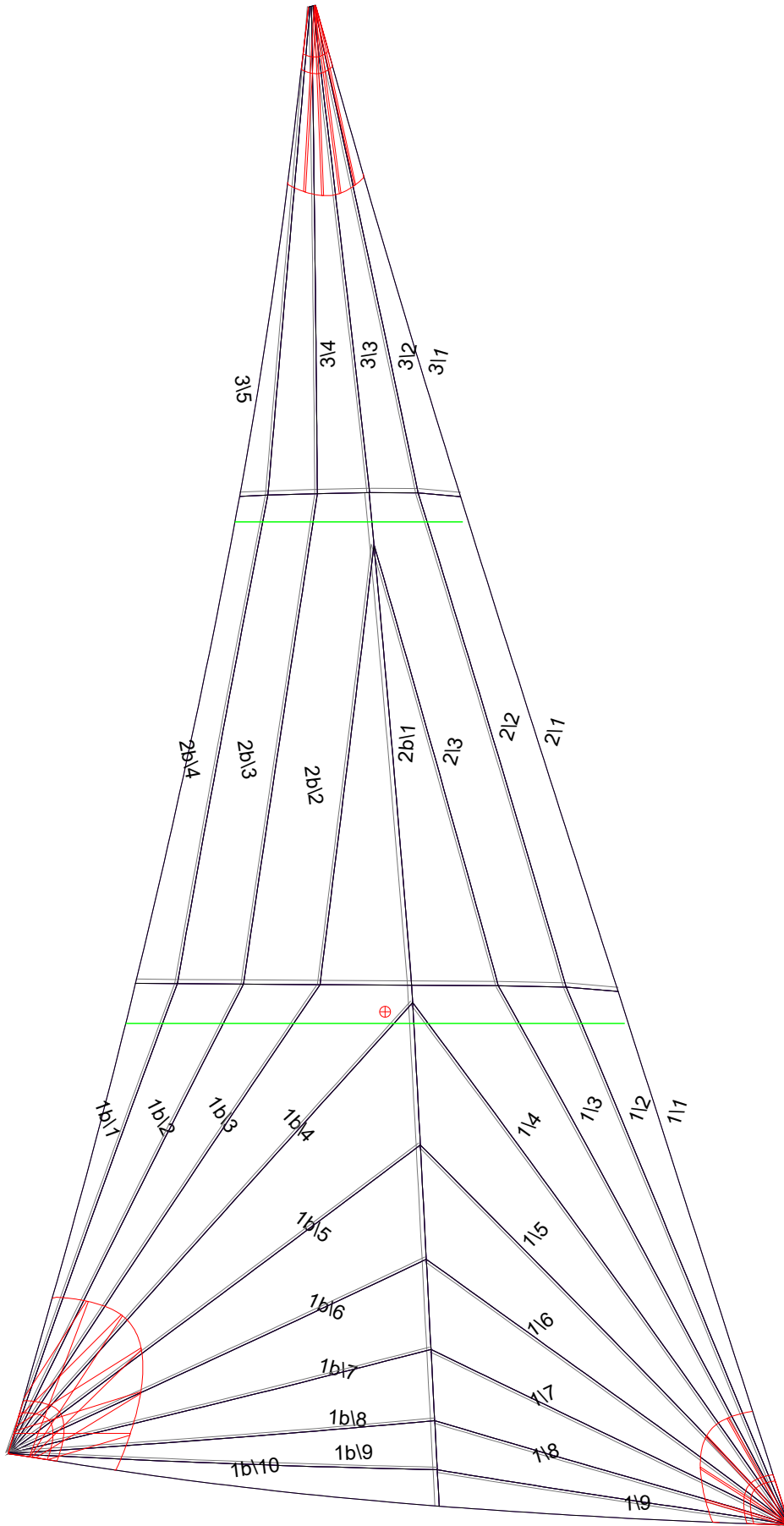
### Draft Stripes

- 1, Luff: 10.112Ft ; Leech: 8.623Ft ;
- 2, Luff: 20.206Ft ; Leech: 18.413Ft ;

### Luff Curve

		Fanned Luff (@ 5.00% [0.748Ft])	Before BSeam
30.494Ft,	0.000Ft	100% (30.494Ft) :	-0.000Ft 0.000Ft
27.960Ft,	0.106Ft	90% (27.442Ft) :	-0.129Ft -0.045Ft
25.157Ft,	0.192Ft	80% (24.400Ft) :	-0.212Ft -0.048Ft
22.690Ft,	0.236Ft	70% (21.348Ft) :	-0.249Ft -0.013Ft
19.822Ft,	0.253Ft	60% (18.298Ft) :	-0.250Ft 0.041Ft
15.175Ft,	0.222Ft	50% (15.248Ft) :	-0.226Ft 0.094Ft
9.910Ft,	0.151Ft	40% (12.199Ft) :	-0.186Ft 0.135Ft
5.154Ft,	0.075Ft	30% (9.149Ft) :	-0.142Ft 0.150Ft
0.000Ft,	0.000Ft	20% (6.100Ft) :	-0.097Ft 0.128Ft
		10% (3.047Ft) :	-0.051Ft 0.069Ft
		0% (0.000Ft) :	0.000Ft 0.000Ft

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## 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
Sail:	0.000Ft	0.000Ft	0.000Ft

## Total Seam Lengths (Ft)

Horizontal	14.24
Radial/Vertical	248.13
Bi-Radial Split	20.32

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 2	211.16	1/1,1/2,1/3,1/4,1/5 1/6,1/7,1/8,1/9,1b/1 1b/2,1b/3,1b/4,1b/5,1b/6 1b/7,1b/8,1b/9,1b/10,2/1 2/2,2/3,2b/1,2b/2,2b/3 2b/4,3/1,3/2,3/3,3/4 3/5