

# Genoa: 8000236 Chuck Kelly Peterson 46 Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000236 Chuck K

Initial Design Date: 27/2/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic: 14.810m  
Leech geodesic: 13.387m  
Foot geodesic: 7.138m  
Headboard width: 0.049m  
Luff perpendicular (HLP): 6.497m  
Upper width (HUW): 0.699m  
Three-quarter width (HTW): 1.416m  
Half width (HHW): 3.011m  
Quarter width (HQW): 4.722m  
Foot median: 13.838m  
ORC Headsail area: 46.155m?  
IRC Headsail area: 46.002m?  
Surface area: 46.468m?  
Forestay height: 16.459m  
J: 5.486m

### Luff Curve

14.807m, 0.000m  
13.577m, 0.050m  
12.216m, 0.091m  
11.018m, 0.112m  
9.625m, 0.120m  
7.369m, 0.105m  
4.812m, 0.071m  
2.503m, 0.036m  
0.000m, 0.000m

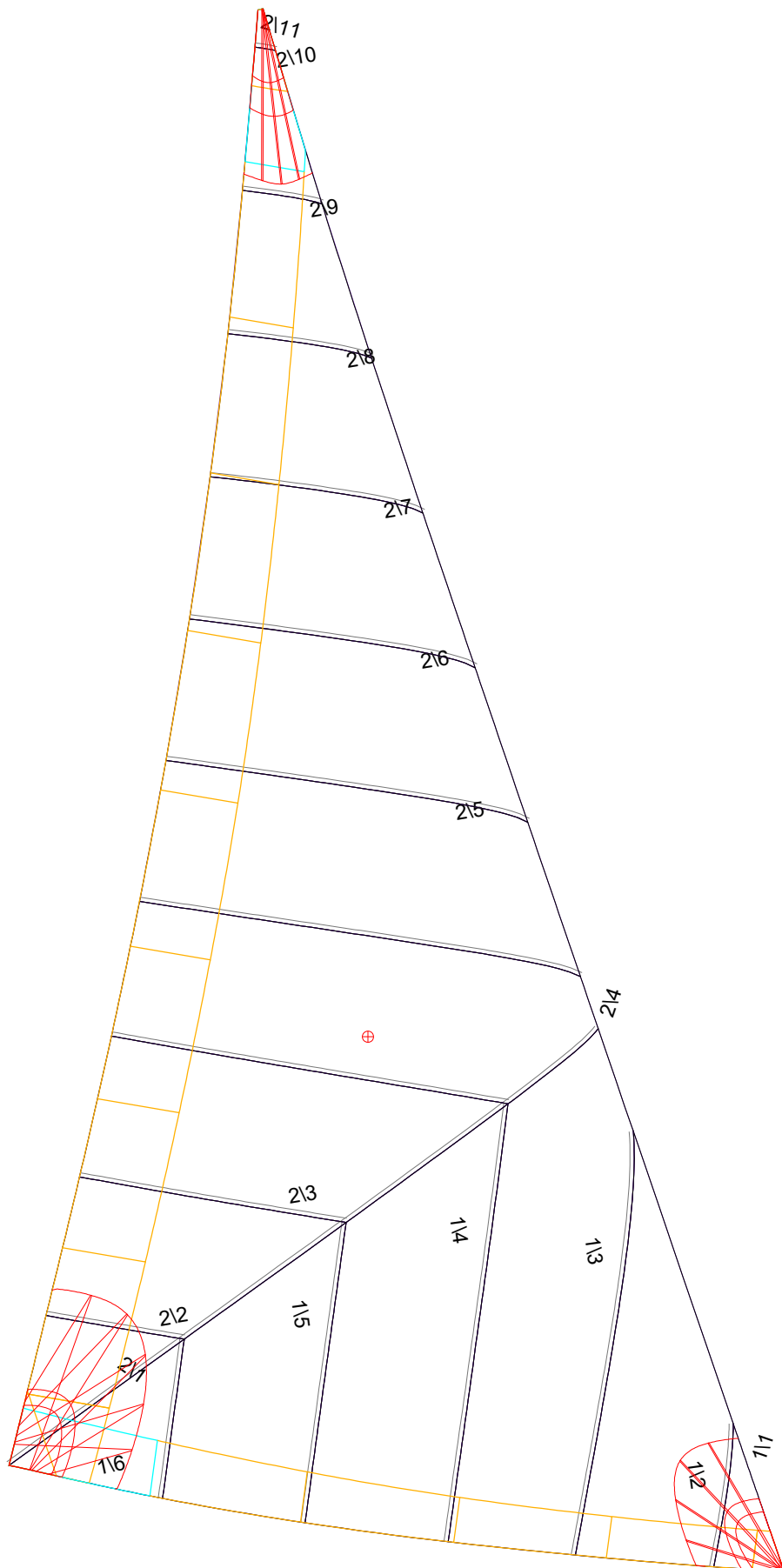
### Fanned Luff (@ 5.00% [0.348m])

100% (14.807m) : 0.000m  
90% (13.325m) : -0.069m  
80% (11.848m) : -0.110m  
70% (10.366m) : -0.127m  
60% (8.885m) : -0.126m  
50% (7.404m) : -0.113m  
40% (5.923m) : -0.093m  
30% (4.442m) : -0.070m  
20% (2.962m) : -0.046m  
10% (1.480m) : -0.024m  
0% (0.000m) : 0.000m

### Before BSeam

0.000m  
-0.030m  
-0.031m  
-0.009m  
0.020m  
0.043m  
0.056m  
0.061m  
0.053m  
0.029m  
0.000m

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Seam Allowances			
	Split	Radial	Cross
Zone: 1	0.038m	0.038m	0.038m
Zone: 2	0.038m	0.038m	0.038m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

Edge Excesses			
	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)	
Horizontal	29.12
Radial/Vertical	13.59
Bi-Radial Split	0.00

Materials		
Material	Area (m <sup>2</sup> )	Panels
Material 1	46.58	1/1,1/2,1/3,1/4,1/5 1/6,2/1,2/2,2/3,2/4 2/5,2/6,2/7,2/8,2/9 2/10,2/11