

# Genoa: 8001120 Peter HeadsailV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001120 Peter head

Initial Design Date: 30/11/2024  
Boat:

Comments:  
LP 120%%

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic: 13.117m  
Leech geodesic: 12.121m  
Foot geodesic: 5.649m  
Headboard width: 0.040m  
Luff perpendicular (HLP): 5.244m  
Upper width (HUW): 0.583m  
Three-quarter width (HTW): 1.158m  
Half width (HHW): 2.430m  
Quarter width (HQW): 3.798m  
Foot median: 12.453m  
ORC Headsail area: 33.018m?  
IRC Headsail area: 32.952m?  
Surface area: 33.152m?  
Forestay height: 13.640m  
J: 4.370m

### Draft Stripes

1, Luff: 3.294m ; Leech: 2.658m ;  
2, Luff: 6.588m ; Leech: 5.818m ;  
3, Luff: 9.868m ; Leech: 8.946m ;

### Luff Curve

13.114m, 0.000m  
12.025m, 0.044m  
10.819m, 0.080m  
9.758m, 0.099m  
8.525m, 0.106m  
6.526m, 0.093m  
4.262m, 0.063m  
2.217m, 0.032m  
0.000m, 0.000m

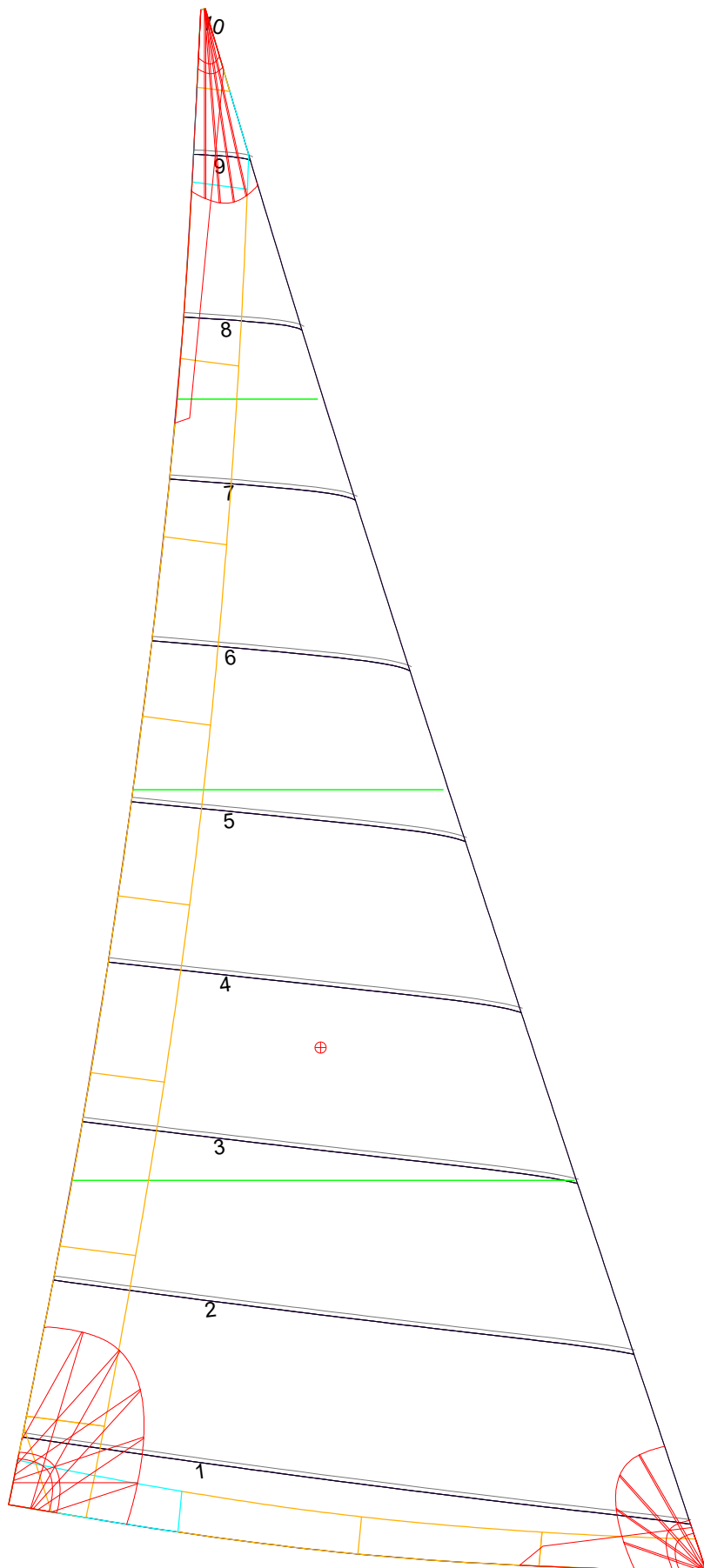
### Fanned Luff (@ 5.00% [0.279m])

100% (13.115m) : 0.000m  
90% (11.803m) : -0.048m  
80% (10.493m) : -0.084m  
70% (9.181m) : -0.102m  
60% (7.869m) : -0.106m  
50% (6.558m) : -0.098m  
40% (5.246m) : -0.083m  
30% (3.934m) : -0.065m  
20% (2.624m) : -0.044m  
10% (1.310m) : -0.023m  
0% (0.000m) : 0.000m

### Before BSeam

0.000m  
-0.009m  
-0.010m  
-0.003m  
0.010m  
0.023m  
0.032m  
0.034m  
0.031m  
0.020m  
0.000m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.035m	0.035m	0.035m
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	25.91
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	33.24	1,2,3,4,5 6,7,8,9,10