

# Genoa: 7001215 Peter Catalina 320 radial HeadsailV2.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001215 Peter\700

Initial Design Date: 15/12/2023  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	12.480m
Leech geodesic:	11.794m
Foot geodesic:	4.964m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.700m
Upper width (HUW):	0.534m
Three-quarter width (HTW):	1.055m
Half width (HHW):	2.187m
Quarter width (HQW):	3.416m
Foot median:	12.031m
ORC Headsail area:	28.267m?
IRC Headsail area:	28.199m?
Surface area:	28.439m?
Forestay height:	13.280m
J:	3.760m

### Draft Stripes

1, Luff: 4.135m ; Leech: 3.671m ;  
2, Luff: 8.264m ; Leech: 7.658m ;

### Luff Curve

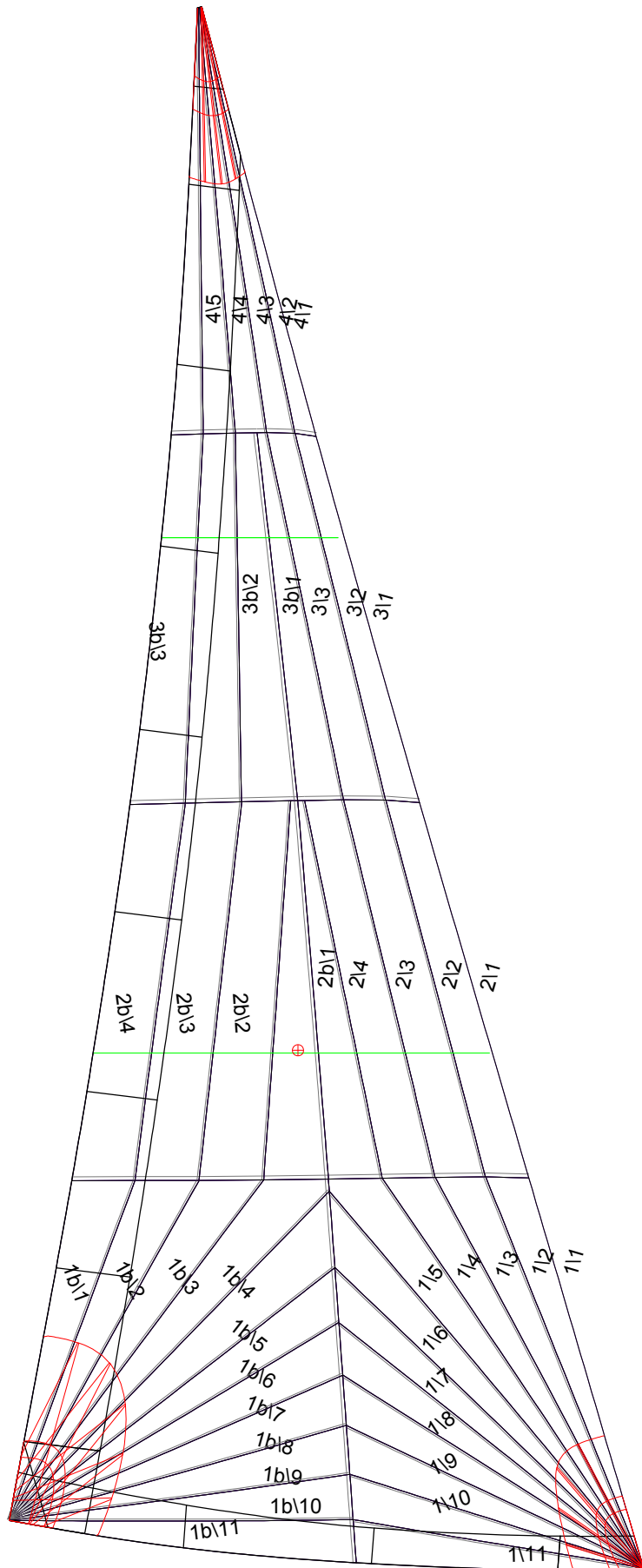
12.478m,	0.000m
11.441m,	0.042m
10.294m,	0.077m
9.285m,	0.094m
8.111m,	0.101m
6.209m,	0.089m
4.055m,	0.060m
2.109m,	0.030m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.244m])

100% (12.478m) :	0.000m	0.000m
90% (11.230m) :	-0.047m	-0.004m
80% (9.984m) :	-0.081m	-0.002m
70% (8.735m) :	-0.099m	0.004m
60% (7.487m) :	-0.101m	0.012m
50% (6.239m) :	-0.093m	0.021m
40% (4.991m) :	-0.077m	0.028m
30% (3.743m) :	-0.059m	0.029m
20% (2.496m) :	-0.040m	0.026m
10% (1.247m) :	-0.020m	0.016m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.030m
Zone: 1/b	0.025m	0.015m	0.030m
Zone: 2/a	0.025m	0.015m	0.030m
Zone: 2/b	0.025m	0.015m	0.030m
Zone: 3/a	0.025m	0.015m	0.030m
Zone: 3/b	0.025m	0.015m	0.030m
Zone: 4	0.025m	0.015m	0.030m
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	7.27
Radial/Vertical	103.62
Bi-Radial Split	8.96

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	28.47	1\1, 1\2, 1\3, 1\4, 1\5 1\6, 1\7, 1\8, 1\9, 1\10 1\11, 1b\1, 1b\2, 1b\3, 1b\4 1b\5, 1b\6, 1b\7, 1b\8, 1b\9 1b\10, 1b\11, 2\1, 2\2, 2\3 2\4, 2b\1, 2b\2, 2b\3, 2b\4 3\1, 3\2, 3\3, 3b\1, 3b\2 3b\3, 4\1, 4\2, 4\3, 4\4 4\5