

Genoa: 7001215 Peter Catalina 320 Headsail.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:	11.769m
Foot geodesic:	4.772m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.512m
Upper width (HUW):	0.507m
Three-quarter width (HTW):	1.002m
Half width (HHW):	2.083m
Quarter width (HQW):	3.268m
Foot median:	12.036m
ORC Headsail area:	27.030m?
IRC Headsail area:	26.963m?
Surface area:	27.190m?
Forestay height:	13.280m
J:	3.760m

Draft Stripes

- 1, Luff: 4.135m ; Leech: 3.660m ;
- 2, Luff: 8.264m ; Leech: 7.640m ;

Luff Curve

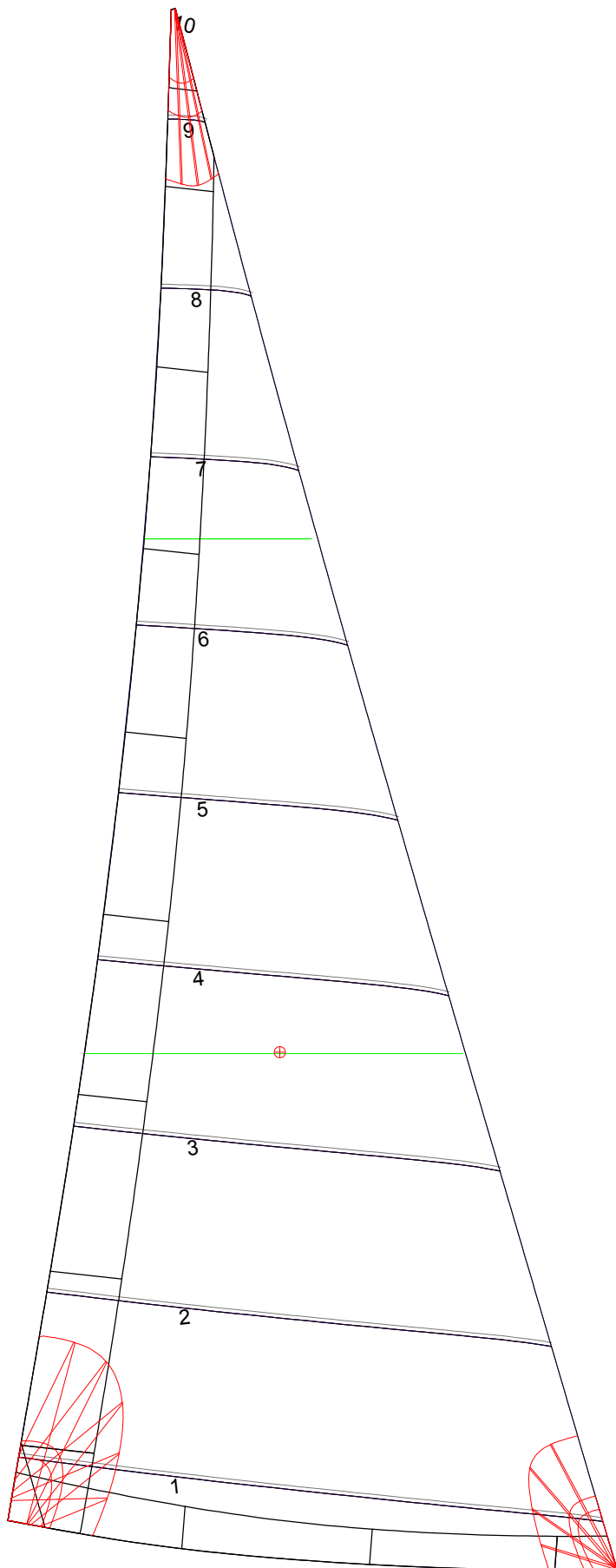
12.478m,	0.000m
11.441m,	0.042m
10.294m,	0.077m
9.285m,	0.094m
8.111m,	0.101m
6.209m,	0.089m
4.055m,	0.060m
2.109m,	0.030m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.235m])

100% (12.478m) :	0.000m	-0.000m
90% (11.230m) :	-0.047m	-0.006m
80% (9.984m) :	-0.081m	-0.005m
70% (8.735m) :	-0.098m	0.000m
60% (7.487m) :	-0.101m	0.008m
50% (6.239m) :	-0.093m	0.017m
40% (4.991m) :	-0.077m	0.024m
30% (3.743m) :	-0.059m	0.026m
20% (2.496m) :	-0.039m	0.023m
10% (1.247m) :	-0.020m	0.015m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.030m	0.030m	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

Sail:	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	21.36
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	27.24	1,2,3,4,5 6,7,8,9,10