

Genoa: 7001215 Peter Catalina 320 HeadsailV1.des

Design Info
=====

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
=====

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

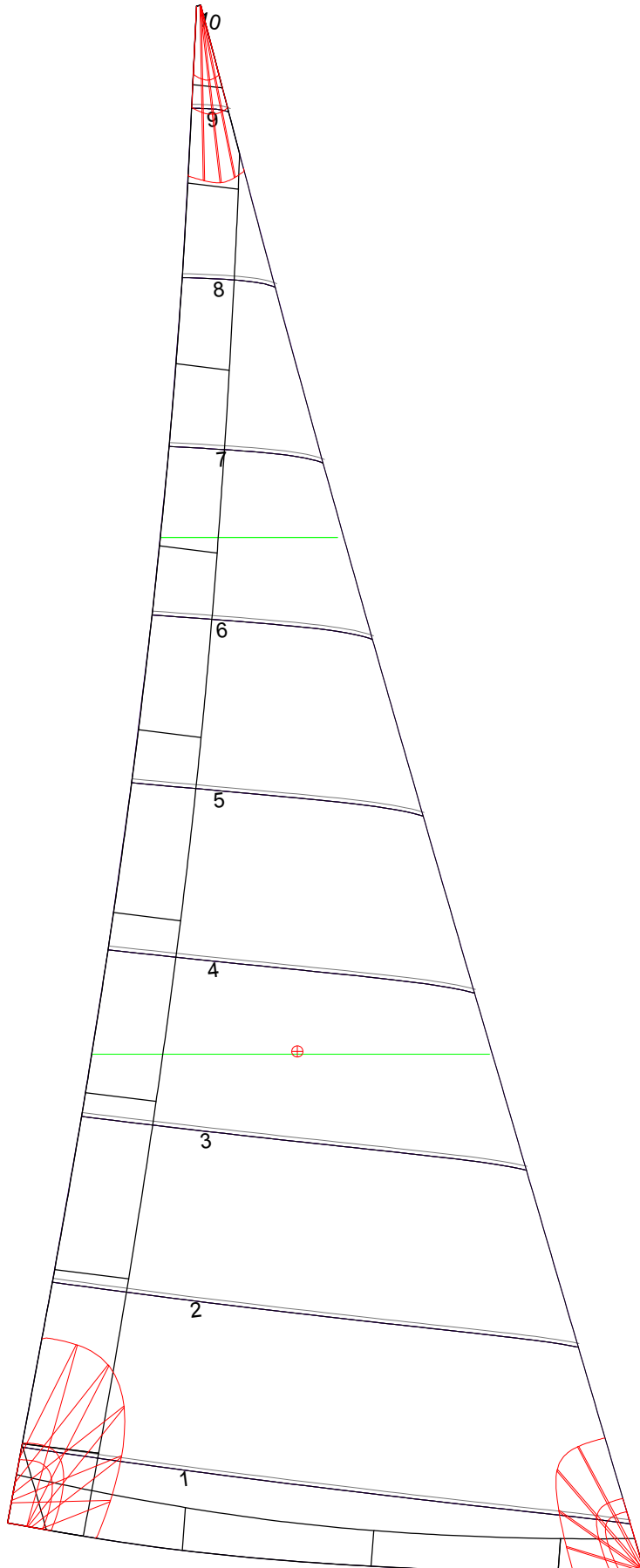
Fanned Luff (@ 5.00% [0.244m])

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

Before BSeam

0.000m
-0.004m
-0.002m
0.004m
0.012m
0.021m
0.028m
0.029m
0.026m
0.016m
0.000m

Genoa: 7001215 Peter Catalina 320 HeadsailV1.des



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	22.17
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	28.49	1,2,3,4,5 6,7,8,9,10