

Genoa: 7000135 Peter headsail.des

Design Info

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Design File:

F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000135 Pe

Initial Design Date: 3/2/2023

Boat:

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	13.850m
Leech geodesic:	13.600m
Foot geodesic:	7.000m
Headboard width:	0.033m
Luff perpendicular (HLP):	6.774m
Upper width (HUW):	0.748m
Three-quarter width (HTW):	1.499m
Half width (HHW):	3.146m
Quarter width (HQW):	4.949m
Foot median:	13.549m
ORC Headsail area:	45.174m?
IRC Headsail area:	44.983m?
Surface area:	45.621m?
Forestay height:	14.330m
J:	4.570m

Draft Stripes

1, Luff: 3.478m ; Leech: 3.498m ;
2, Luff: 6.956m ; Leech: 6.878m ;
3, Luff: 10.419m ; Leech: 10.200m ;

Luff Curve

13.847m,	0.000m
12.697m,	0.047m
11.424m,	0.085m
10.304m,	0.104m
9.001m,	0.112m
6.891m,	0.098m
4.500m,	0.067m
2.341m,	0.033m
0.000m,	0.000m

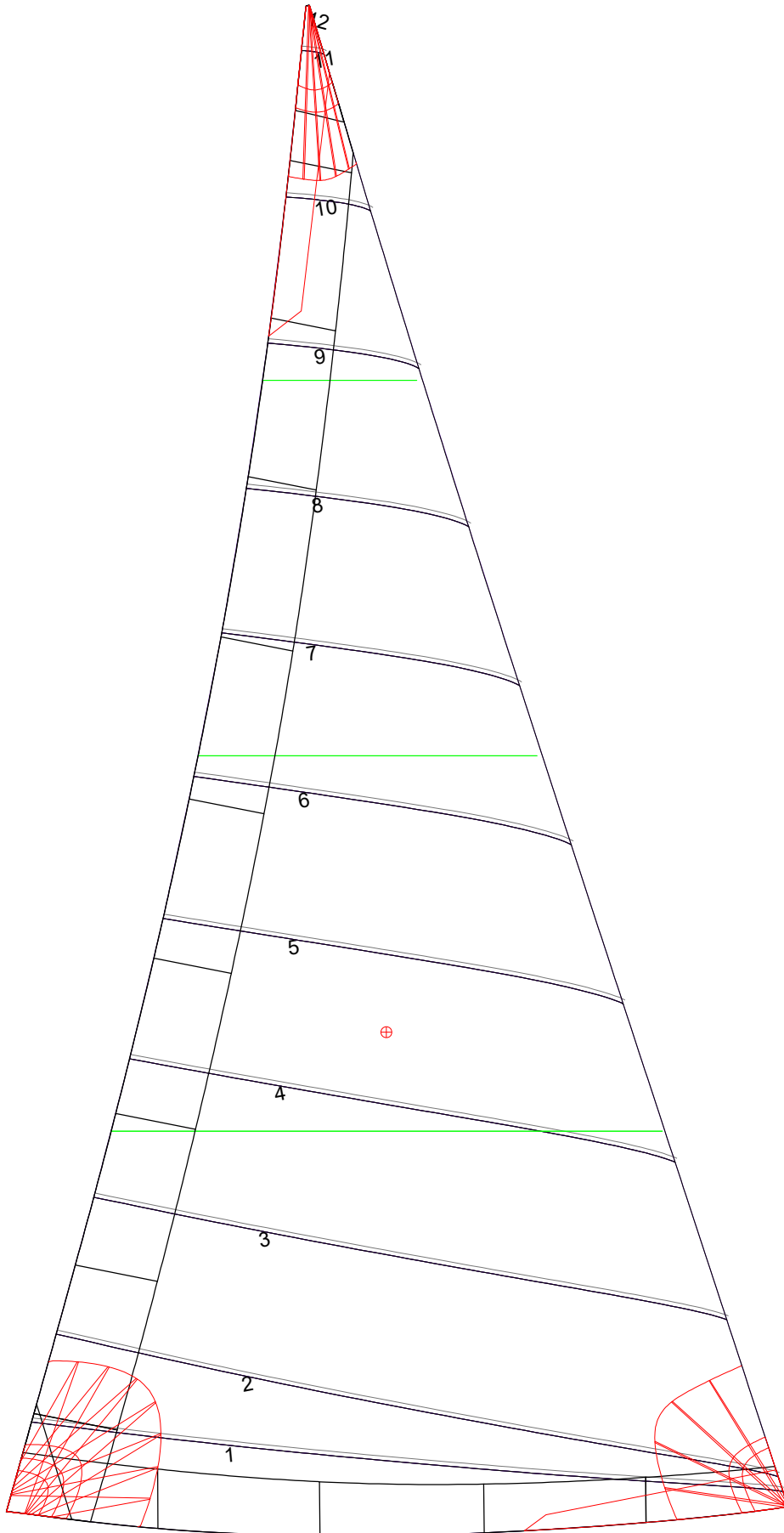
Fanned Luff (@ 5.00% [0.344m])

100% (13.848m) :	0.000m
90% (12.462m) :	-0.048m
80% (11.080m) :	-0.085m
70% (9.694m) :	-0.102m
60% (8.309m) :	-0.104m
50% (6.924m) :	-0.094m
40% (5.540m) :	-0.078m
30% (4.154m) :	-0.058m
20% (2.770m) :	-0.038m
10% (1.384m) :	-0.019m
0% (0.000m) :	-0.000m

Before BSeam

0.000m
0.003m
0.011m
0.027m
0.048m
0.070m
0.088m
0.094m
0.083m
0.050m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.000m	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	0.070m	0.070m
Cover 1	0.070m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	39.81
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	45.74	1,2,3,4,5 6,7,8,9,10 11,12