

Genoa: 7000135 Peter headsail V2.des

Design Info

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Design File:

\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000135 Peter\7000135 Peter

Initial Design Date: 3/2/2023
Boat:

Comments:

Client:

Design Data

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Genoa

Measurements

Luff geodesic:	13.800m
Leech geodesic:	13.600m
Foot geodesic:	7.000m
Headboard width:	0.033m
Luff perpendicular (HLP):	6.786m
Upper width (HUW):	0.750m
Three-quarter width (HTW):	1.503m
Half width (HHW):	3.153m
Quarter width (HQW):	4.959m
Foot median:	13.523m
ORC Headsail area:	45.100m?
IRC Headsail area:	44.908m?
Surface area:	45.540m?
Forestay height:	14.000m
J:	4.520m

Draft Stripes

1, Luff: 3.466m ; Leech: 3.551m ;
2, Luff: 6.931m ; Leech: 6.912m ;
3, Luff: 10.382m ; Leech: 10.217m ;

Luff Curve

13.797m,	0.000m
12.651m,	0.047m
11.383m,	0.085m
10.267m,	0.104m
8.969m,	0.112m
6.866m,	0.098m
4.484m,	0.067m
2.332m,	0.033m
0.000m,	0.000m

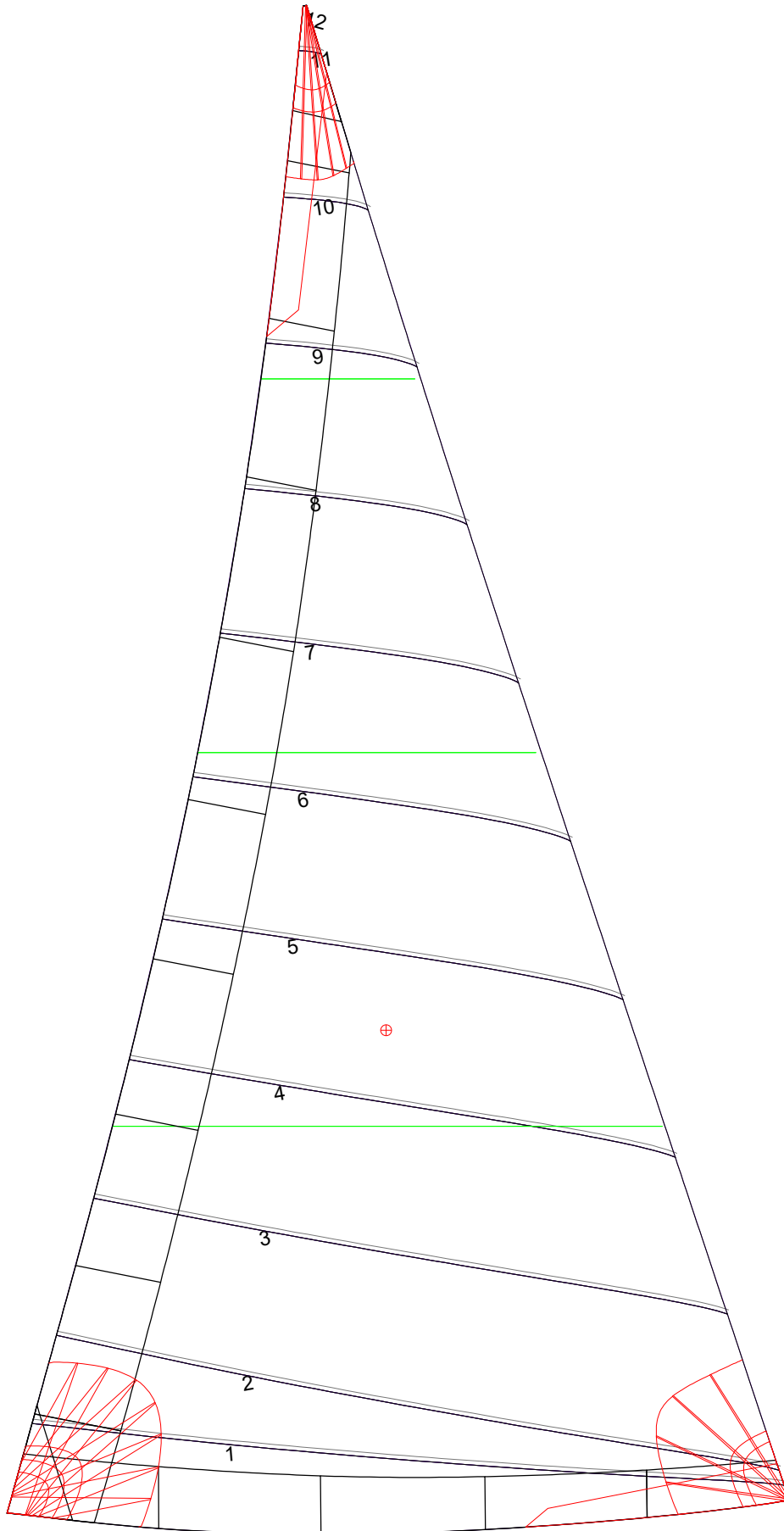
Fanned Luff (@ 5.00% [0.343m])

100% (13.798m) :	0.000m
90% (12.417m) :	-0.049m
80% (11.040m) :	-0.085m
70% (9.659m) :	-0.102m
60% (8.279m) :	-0.104m
50% (6.899m) :	-0.095m
40% (5.520m) :	-0.078m
30% (4.139m) :	-0.059m
20% (2.760m) :	-0.039m
10% (1.379m) :	-0.020m
0% (0.000m) :	-0.000m

Before BSeam

0.000m
0.003m
0.011m
0.027m
0.048m
0.070m
0.087m
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	39.76
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	45.66	1,2,3,4,5 6,7,8,9,10 11,12