

Genoa: 7000135 Peter headsail V1.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: 13.850m
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: 44.982m?
Surface area: 45.620m?
Forestay height: 14.000m
J: 4.520m

Draft Stripes

1, Luff: 3.479m ; Leech: 3.516m ;
2, Luff: 6.956m ; Leech: 6.889m ;
3, Luff: 10.419m ; Leech: 10.205m ;

Luff Curve

Position	Before BSeam	Fanned Luff (@ 5.00% [0.344m])
13.847m, 0.000m	0.000m	100% (13.848m) : 0.000m
12.697m, 0.047m	0.003m	90% (12.462m) : -0.049m
11.424m, 0.085m	0.011m	80% (11.080m) : -0.085m
10.304m, 0.104m	0.027m	70% (9.694m) : -0.103m
9.001m, 0.112m	0.048m	60% (8.309m) : -0.104m
6.891m, 0.098m	0.070m	50% (6.924m) : -0.095m
4.500m, 0.067m	0.087m	40% (5.540m) : -0.079m
2.341m, 0.033m	0.094m	30% (4.154m) : -0.059m
0.000m, 0.000m	0.083m	20% (2.770m) : -0.039m
	0.050m	10% (1.384m) : -0.019m
	0.000m	0% (0.000m) : -0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Fwd Camb	Aft Camb
100.00%	15.634%	41.000%	19.969?	60.870?	-25.377?	0.000m	12.394%	11.576%
90.00%	15.444%	40.500%	17.972?	59.799?	-24.838?	-0.102m	12.215%	11.502%
80.00%	15.240%	40.000%	15.975?	58.520?	-23.980?	-0.192m	12.048%	11.390%
60.00%	14.649%	39.000%	11.982?	56.964?	-22.275?	-0.303m	11.609%	11.009%
40.00%	13.926%	38.000%	7.988?	55.305?	-19.765?	-0.307m	11.073%	10.498%
20.00%	11.890%	37.000%	3.994?	53.814?	-16.105?	-0.198m	9.580%	9.026%
10.00%	9.919%	36.500%	1.997?	52.576?	-13.177?	-0.105m	8.119%	7.572%
0.00%	6.897%	36.000%	0.000?	51.473?	-10.160?	0.000m	5.875%	5.345%

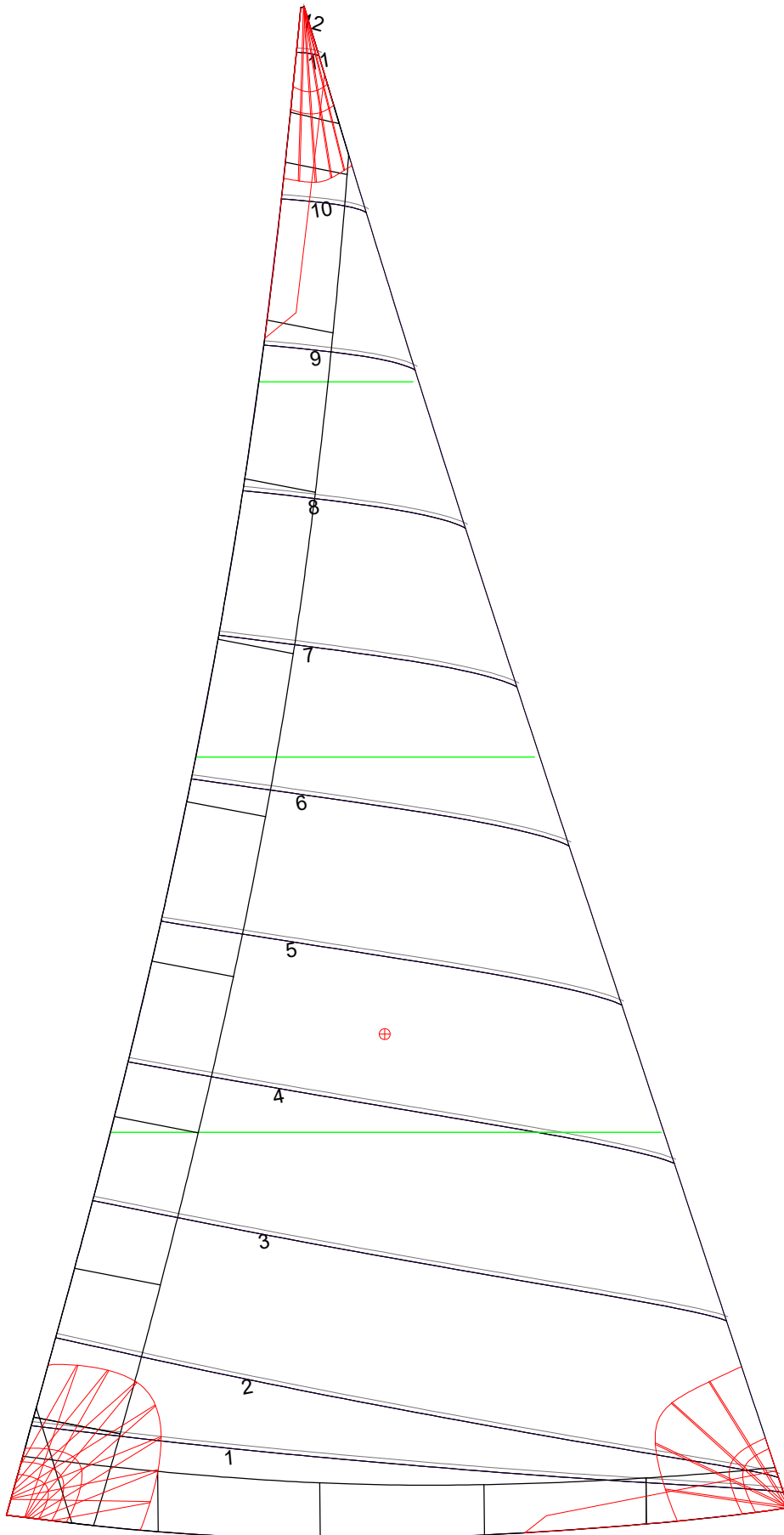
Chord Data

Luff LL : 13.8474m
Leech : 13.5010m
Luff Perpendicular : 4.6598m
Clew Height : -0.0676m
Headboard width : 0.0330m

Fanned Foot Curve Depths

25.0% 50.0% 75.0%
0.1242m 0.1832m 0.1505m

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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

Sail:	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