

Genoa: 8000243 Peter Hunter 490 jib.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000243 Peter Hu

Initial Design Date: 6/3/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	5.050m
Leech geodesic:	4.500m
Foot geodesic:	2.200m
Headboard width:	0.025m
Luff perpendicular (HLP):	1.977m
Upper width (HUW):	0.229m
Three-quarter width (HTW):	0.444m
Half width (HHW):	0.913m
Quarter width (HQW):	1.430m
Foot median:	4.704m
ORC Headsail area:	4.801m?
IRC Headsail area:	4.789m?
Surface area:	4.820m?
Forestay height:	5.700m
J:	2.010m

Draft Stripes

1, Luff: 2.534m ; Leech: 2.102m ;

Luff Curve

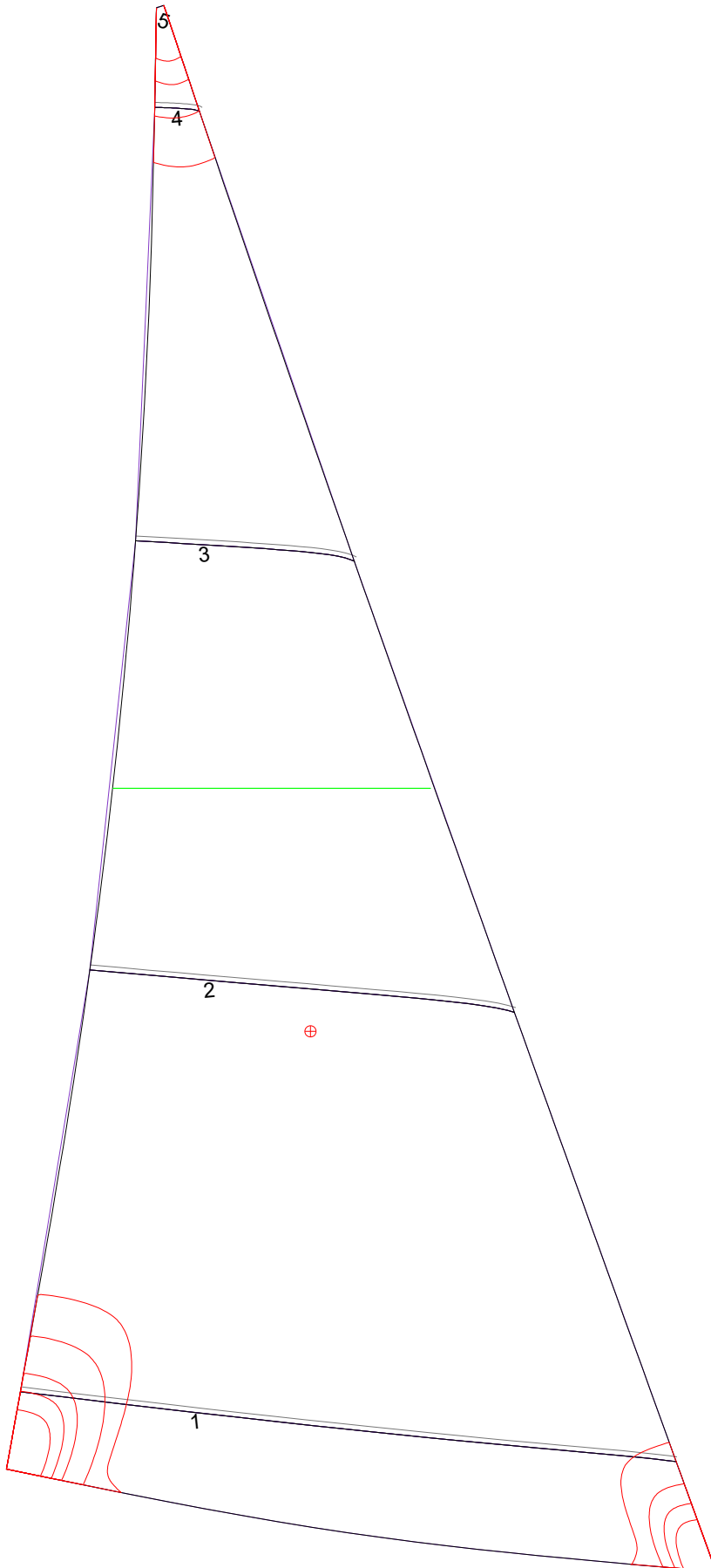
5.049m,	0.000m
4.630m,	0.013m
4.166m,	0.023m
3.757m,	0.028m
3.282m,	0.030m
2.513m,	0.027m
1.641m,	0.018m
0.853m,	0.009m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.108m])

100% (5.050m) :	0.000m	0.000m
90% (4.545m) :	-0.013m	0.001m
80% (4.040m) :	-0.023m	0.004m
70% (3.535m) :	-0.028m	0.008m
60% (3.030m) :	-0.030m	0.013m
50% (2.525m) :	-0.028m	0.017m
40% (2.020m) :	-0.024m	0.019m
30% (1.515m) :	-0.019m	0.019m
20% (1.010m) :	-0.013m	0.016m
10% (0.505m) :	-0.007m	0.010m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.015m	0.015m	0.015m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	4.25
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	4.85	1,2,3,4,5