

Genoa: 8001120 Peter Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001120 Peter head

Initial Design Date: 30/11/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	13.117m
Leech geodesic:	12.064m
Foot geodesic:	5.200m
Headboard width:	0.040m
Luff perpendicular (HLP):	4.807m
Upper width (HUW):	0.526m
Three-quarter width (HTW):	1.043m
Half width (HHW):	2.204m
Quarter width (HQW):	3.464m
Foot median:	12.470m
ORC Headsail area:	30.094m?
IRC Headsail area:	30.031m?
Surface area:	30.227m?
Forestay height:	13.640m
J:	4.370m

Draft Stripes

1, Luff: 3.294m ; Leech: 2.639m ;
2, Luff: 6.588m ; Leech: 5.782m ;
3, Luff: 9.868m ; Leech: 8.901m ;

Luff Curve

13.114m,	0.000m
12.025m,	0.044m
10.819m,	0.080m
9.758m,	0.099m
8.525m,	0.106m
6.526m,	0.093m
4.262m,	0.063m
2.217m,	0.032m
0.000m,	0.000m

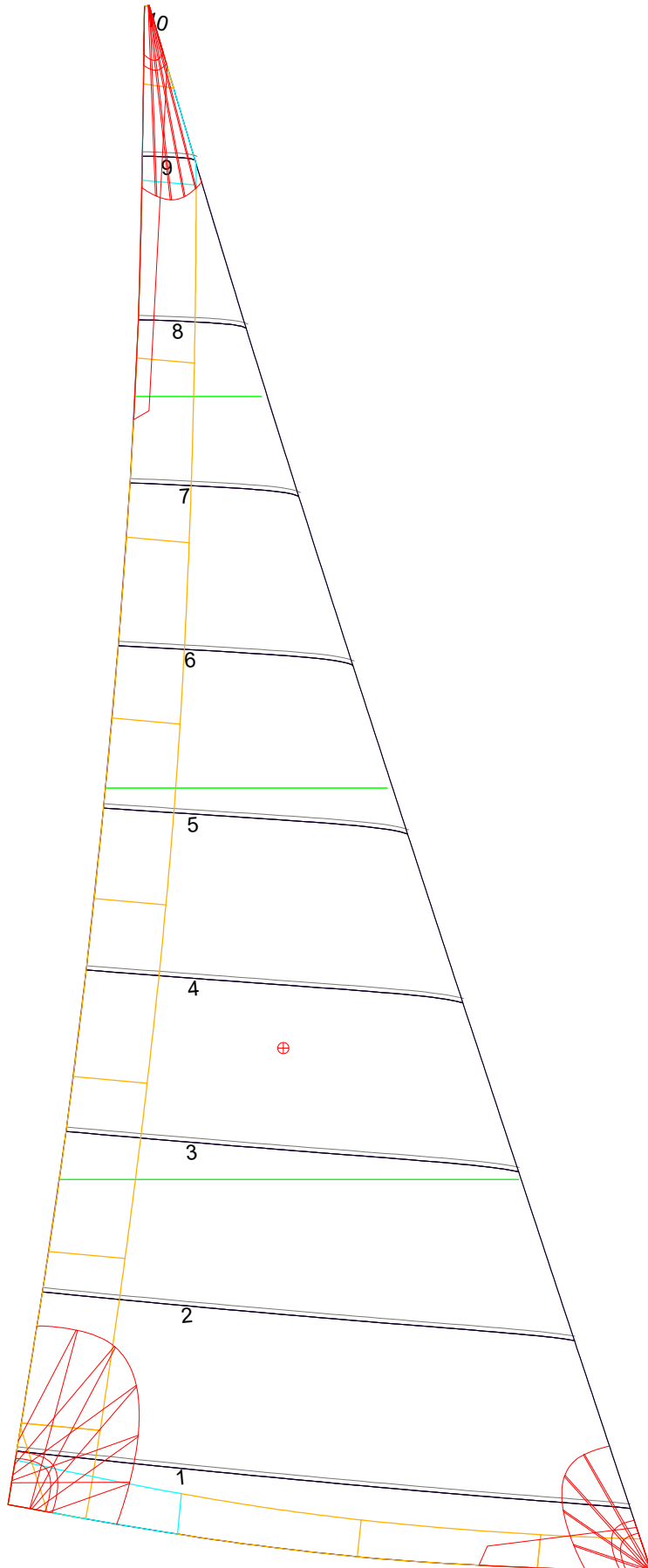
Fanned Luff (@ 5.00% [0.256m])

100% (13.115m) :	0.000m
90% (11.803m) :	-0.047m
80% (10.493m) :	-0.082m
70% (9.181m) :	-0.099m
60% (7.870m) :	-0.102m
50% (6.558m) :	-0.094m
40% (5.246m) :	-0.080m
30% (3.934m) :	-0.062m
20% (2.624m) :	-0.042m
10% (1.310m) :	-0.022m
0% (0.000m) :	0.000m

Before BSeam

0.000m
-0.013m
-0.016m
-0.010m
0.002m
0.015m
0.024m
0.027m
0.026m
0.018m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.035m	0.035m	0.035m
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	0.100m	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	23.57
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	30.31	1,2,3,4,5 6,7,8,9,10