

Genoa: 8000302 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\8000302 Peter head

Initial Design Date: 5/3/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	9.999m
Leech geodesic:	7.120m
Foot geodesic:	4.110m
Headboard width:	0.045m
Luff perpendicular (HLP):	2.494m
Upper width (HUW):	0.289m
Three-quarter width (HTW):	0.548m
Half width (HHW):	1.121m
Quarter width (HQW):	1.777m
Foot median:	8.522m
ORC Headsail area:	11.852m?
IRC Headsail area:	11.828m?
Surface area:	12.185m?
Forestay height:	10.520m
J:	5.120m

Draft Stripes

- 1, Luff: 5.025m ; Leech: 2.555m ;
- 2, Luff: 7.525m ; Leech: 4.809m ;

Luff Curve

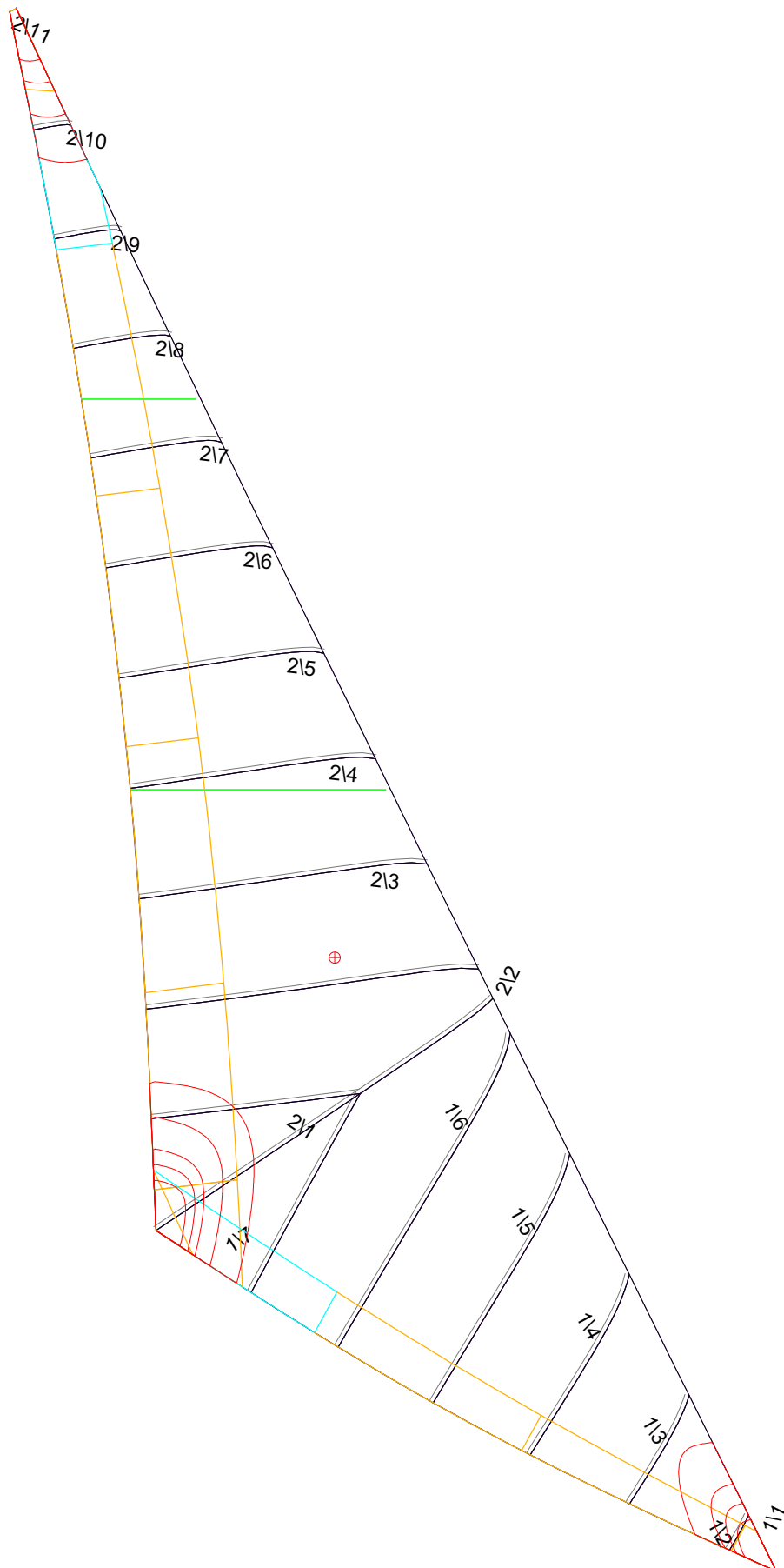
9.997m,	0.000m
9.166m,	0.025m
8.248m,	0.046m
7.439m,	0.056m
6.498m,	0.060m
4.975m,	0.053m
3.249m,	0.036m
1.690m,	0.018m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.179m])

100% (9.997m) :	0.000m	-0.000m
90% (9.001m) :	-0.038m	-0.001m
80% (7.997m) :	-0.067m	0.004m
70% (6.999m) :	-0.081m	0.014m
60% (5.999m) :	-0.083m	0.028m
50% (4.999m) :	-0.076m	0.041m
40% (3.999m) :	-0.064m	0.049m
30% (2.999m) :	-0.048m	0.050m
20% (2.000m) :	-0.032m	0.044m
10% (0.999m) :	-0.016m	0.029m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
Zone: 2	0.025m	0.025m	0.025m
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	13.78
Radial/Vertical	7.56
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	12.22	1\1,1\2,1\3,1\4,1\5 1\6,1\7,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9,2\10,2\11