

Genoa: 8000306 Mick Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000306 Mick head

Initial Design Date: 12/3/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	14.220m
Leech geodesic:	12.150m
Foot geodesic:	5.500m
Headboard width:	0.045m
Luff perpendicular (HLP):	4.665m
Upper width (HUW):	0.524m
Three-quarter width (HTW):	1.026m
Half width (HHW):	2.130m
Quarter width (HQW):	3.358m
Foot median:	13.055m
ORC Headsail area:	31.681m?
IRC Headsail area:	31.610m?
Surface area:	31.879m?
Forestay height:	14.500m
J:	3.850m

Draft Stripes

- 1, Luff: 4.706m ; Leech: 2.860m ;
- 2, Luff: 9.407m ; Leech: 7.432m ;

Luff Curve

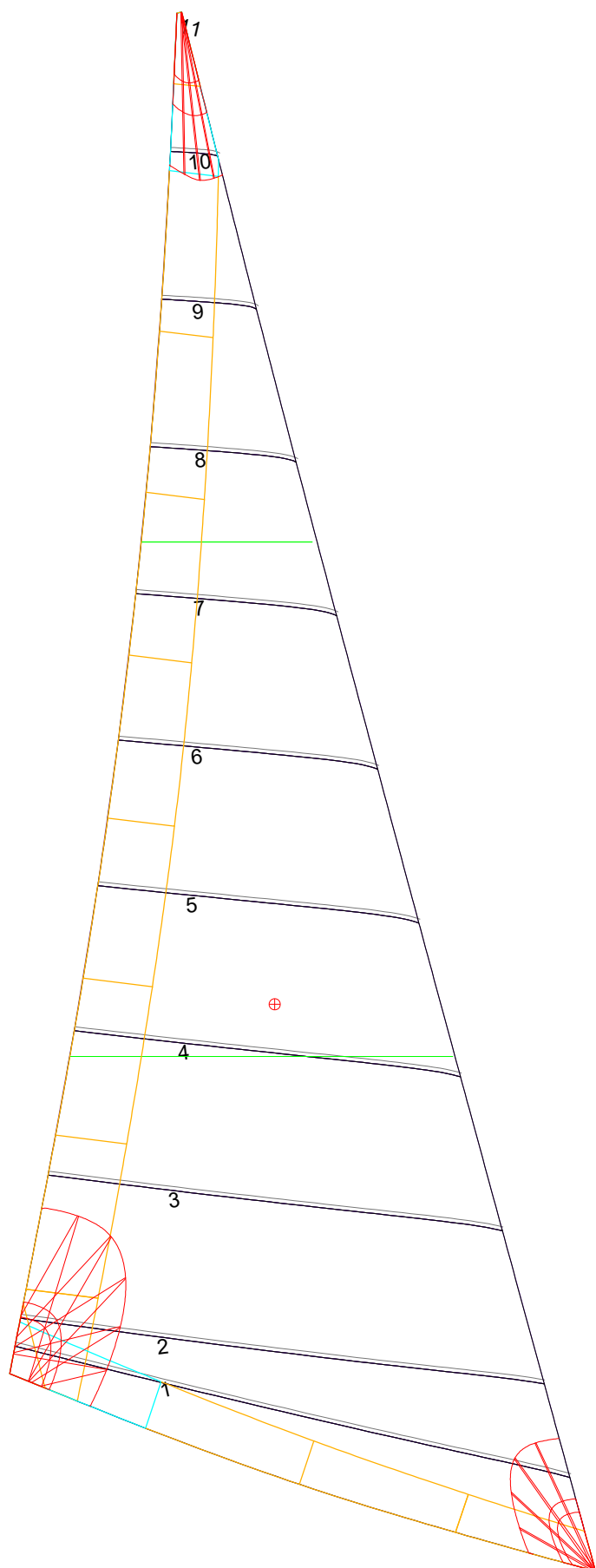
14.218m,	0.000m
13.037m,	0.036m
11.730m,	0.065m
10.580m,	0.080m
9.242m,	0.085m
7.076m,	0.075m
4.621m,	0.051m
2.403m,	0.025m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.258m])

100% (14.218m) :	0.000m	-0.000m
90% (12.799m) :	-0.040m	-0.001m
80% (11.375m) :	-0.071m	0.003m
70% (9.954m) :	-0.087m	0.014m
60% (8.531m) :	-0.090m	0.027m
50% (7.110m) :	-0.084m	0.039m
40% (5.688m) :	-0.071m	0.046m
30% (4.266m) :	-0.055m	0.046m
20% (2.844m) :	-0.038m	0.041m
10% (1.421m) :	-0.020m	0.026m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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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			
Sail:	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	27.69
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	31.97	1,2,3,4,5 6,7,8,9,10 11