

Genoa: 8000306 Mick Headsail V1.des

Design Info
=====

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

Initial Design Date: 14/3/2024
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic:	14.157m
Leech geodesic:	12.150m
Foot geodesic:	5.500m
Headboard width:	0.045m
Luff perpendicular (HLP):	4.696m
Upper width (HUW):	0.527m
Three-quarter width (HTW):	1.033m
Half width (HHW):	2.146m
Quarter width (HQW):	3.381m
Foot median:	13.020m
ORC Headsail area:	31.760m?
IRC Headsail area:	31.688m?
Surface area:	31.950m?
Forestay height:	14.500m
J:	3.850m

Draft Stripes

- 1, Luff: 4.685m ; Leech: 2.899m ;
- 2, Luff: 9.365m ; Leech: 7.451m ;

Luff Curve

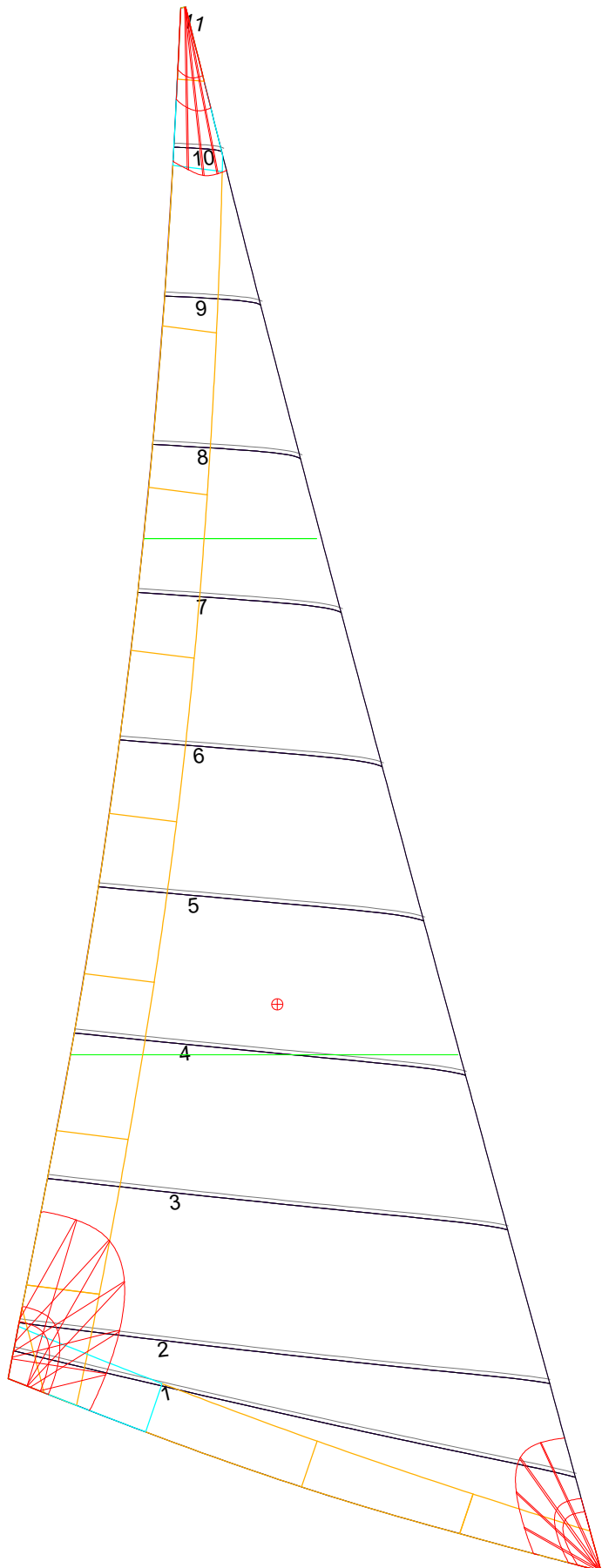
14.155m,	0.000m
12.979m,	0.036m
11.678m,	0.065m
10.533m,	0.080m
9.201m,	0.085m
7.044m,	0.075m
4.600m,	0.051m
2.393m,	0.025m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.259m])

100% (14.155m) :	-0.000m	0.000m
90% (12.742m) :	-0.041m	-0.001m
80% (11.324m) :	-0.071m	0.003m
70% (9.910m) :	-0.088m	0.013m
60% (8.494m) :	-0.092m	0.026m
50% (7.078m) :	-0.085m	0.039m
40% (5.662m) :	-0.072m	0.046m
30% (4.247m) :	-0.056m	0.046m
20% (2.831m) :	-0.038m	0.040m
10% (1.415m) :	-0.020m	0.026m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Genoa: 8000306 Mick Headsail V1.des



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	27.76
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	32.04	1,2,3,4,5 6,7,8,9,10 11