

Genoa: 7000920 Mike Headsail.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000920 Mike\7000

Initial Design Date: 27/9/2023
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic:	11.500m
Leech geodesic:	10.920m
Foot geodesic:	4.893m
Headboard width:	0.030m
Luff perpendicular (HLP):	4.650m
Upper width (HUW):	0.505m
Three-quarter width (HTW):	1.013m
Half width (HHW):	2.136m
Quarter width (HQW):	3.372m
Foot median:	11.093m
ORC Headsail area:	25.583m?
IRC Headsail area:	25.488m?
Surface area:	25.741m?
Forestay height:	11.260m
J:	3.100m

Draft Stripes

1, Luff: 3.810m ; Leech: 3.401m ;
2, Luff: 7.615m ; Leech: 7.098m ;

Luff Curve

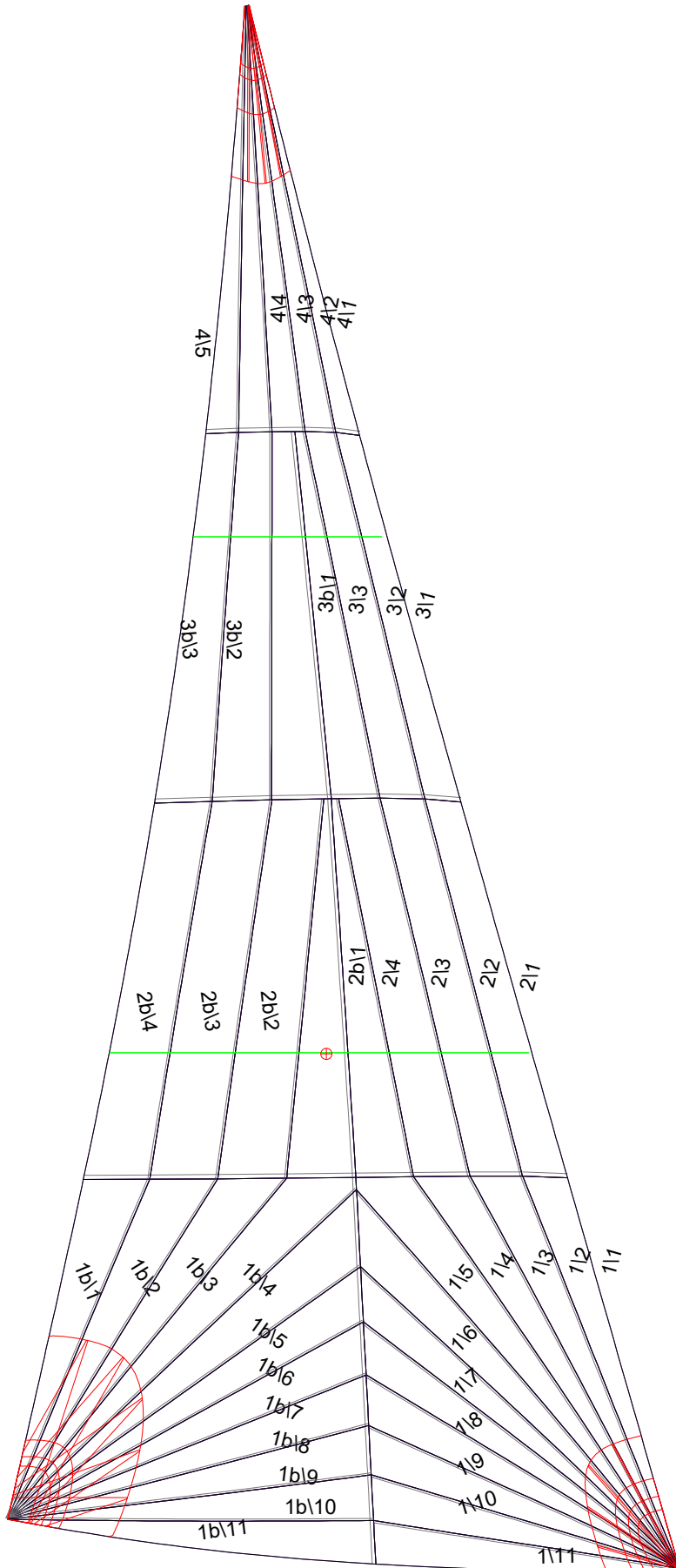
11.498m,	0.000m
10.542m,	0.039m
9.486m,	0.071m
8.555m,	0.087m
7.474m,	0.094m
5.722m,	0.082m
3.737m,	0.056m
1.943m,	0.028m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.238m])

100% (11.498m) :	0.000m	0.000m
90% (10.348m) :	-0.044m	-0.012m
80% (9.200m) :	-0.076m	-0.013m
70% (8.049m) :	-0.091m	-0.004m
60% (6.899m) :	-0.092m	0.010m
50% (5.749m) :	-0.083m	0.026m
40% (4.600m) :	-0.070m	0.037m
30% (3.449m) :	-0.053m	0.042m
20% (2.300m) :	-0.036m	0.037m
10% (1.149m) :	-0.018m	0.023m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Genoa: 7000920 Mike Headsail.des



Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.030m
Zone: 1/b	0.025m	0.015m	0.030m
Zone: 2/a	0.025m	0.015m	0.030m
Zone: 2/b	0.025m	0.015m	0.030m
Zone: 3/a	0.025m	0.015m	0.030m
Zone: 3/b	0.025m	0.015m	0.030m
Zone: 4	0.025m	0.015m	0.030m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	7.12
Radial/Vertical	97.84
Bi-Radial Split	8.29

Materials

Material	Area (m ²)	Panels
Material 1	25.77	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,2\1,2\2,2\3 2\4,2b\1,2b\2,2b\3,2b\4 3\1,3\2,3\3,3b\1,3b\2 3b\3,4\1,4\2,4\3,4\4 4\5