

Genoa: 7001121 Mike HeadsailV1.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001121 Mike\7001

Initial Design Date: 29/11/2023
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic:	34.416Ft
Leech geodesic:	33.220Ft
Foot geodesic:	19.119Ft
Headboard width:	0.112Ft
Luff perpendicular (HLP):	18.150Ft
Upper width (HUW):	2.031Ft
Three-quarter width (HTW):	4.070Ft
Half width (HHW):	8.494Ft
Quarter width (HQW):	13.273Ft
Foot median:	33.062Ft
ORC Headsail area:	301.823Ft?
IRC Headsail area:	300.781Ft?
Surface area:	304.504Ft?
Forestay height:	37.600Ft
J:	12.100Ft

Draft Stripes

1, Luff: 8.645Ft ; Leech: 7.875Ft ;
2, Luff: 17.288Ft ; Leech: 16.386Ft ;
3, Luff: 25.893Ft ; Leech: 24.724Ft ;

Luff Curve

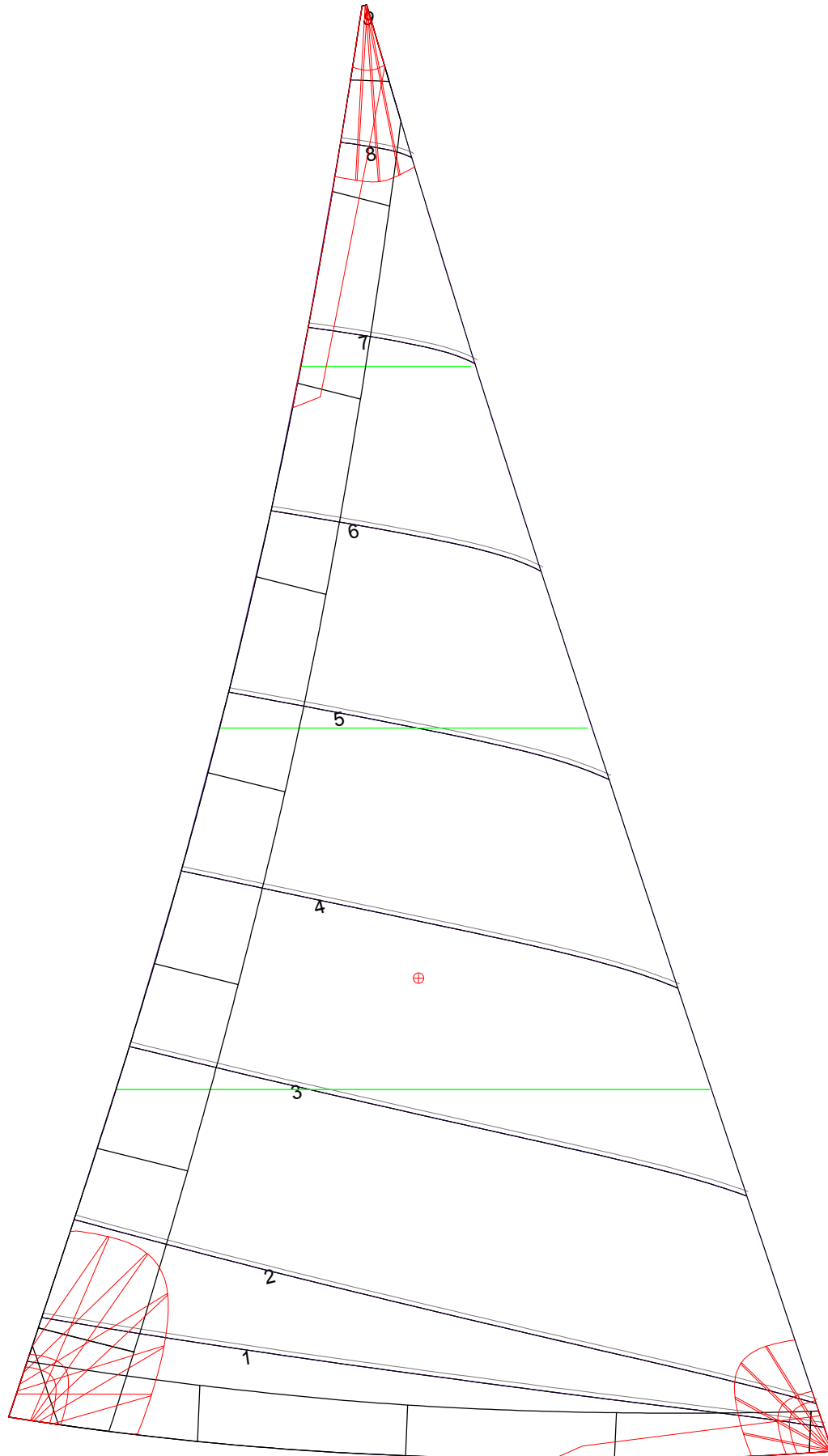
34.409Ft,	0.000Ft
31.550Ft,	0.120Ft
28.387Ft,	0.218Ft
25.604Ft,	0.268Ft
22.367Ft,	0.287Ft
17.123Ft,	0.252Ft
11.183Ft,	0.171Ft
5.816Ft,	0.085Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.932Ft])

100% (34.410Ft) :	0.000Ft	-0.000Ft
90% (30.965Ft) :	-0.136Ft	-0.012Ft
80% (27.533Ft) :	-0.233Ft	0.006Ft
70% (24.088Ft) :	-0.281Ft	0.049Ft
60% (20.648Ft) :	-0.284Ft	0.106Ft
50% (17.206Ft) :	-0.257Ft	0.159Ft
40% (13.765Ft) :	-0.216Ft	0.195Ft
30% (10.323Ft) :	-0.166Ft	0.201Ft
20% (6.884Ft) :	-0.112Ft	0.169Ft
10% (3.438Ft) :	-0.057Ft	0.099Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

Before BSeam

Genoa: 7001121 Mike HeadsailV1.des



Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.105Ft	1.050Ft	0.105Ft
Cover 1	0.082Ft	0.082Ft	0.082Ft
Cover 2	0.082Ft	0.082Ft	0.082Ft
Cover 3	0.000Ft	0.000Ft	0.000Ft
Cover 4	0.000Ft	0.000Ft	0.000Ft

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft
Cover 0	0.230Ft	0.328Ft	0.230Ft
Cover 1	0.230Ft	0.230Ft	0.328Ft
Cover 2	0.000Ft	0.230Ft	0.230Ft
Cover 3	0.000Ft	0.230Ft	0.230Ft

Total Seam Lengths (Ft)

Horizontal	85.30
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	305.07	1,2,3,4,5 6,7,8,9