

Genoa: 7001121 Mike Headsail.des

Design Info
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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
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Genoa

Measurements

Luff geodesic:	35.480Ft
Leech geodesic:	34.122Ft
Foot geodesic:	19.121Ft
Headboard width:	0.112Ft
Luff perpendicular (HLP):	18.150Ft
Upper width (HUW):	2.030Ft
Three-quarter width (HTW):	4.067Ft
Half width (HHW):	8.488Ft
Quarter width (HQW):	13.268Ft
Foot median:	34.083Ft
ORC Headsail area:	311.047Ft?
IRC Headsail area:	309.978Ft?
Surface area:	313.765Ft?
Forestay height:	37.600Ft
J:	12.100Ft

Draft Stripes

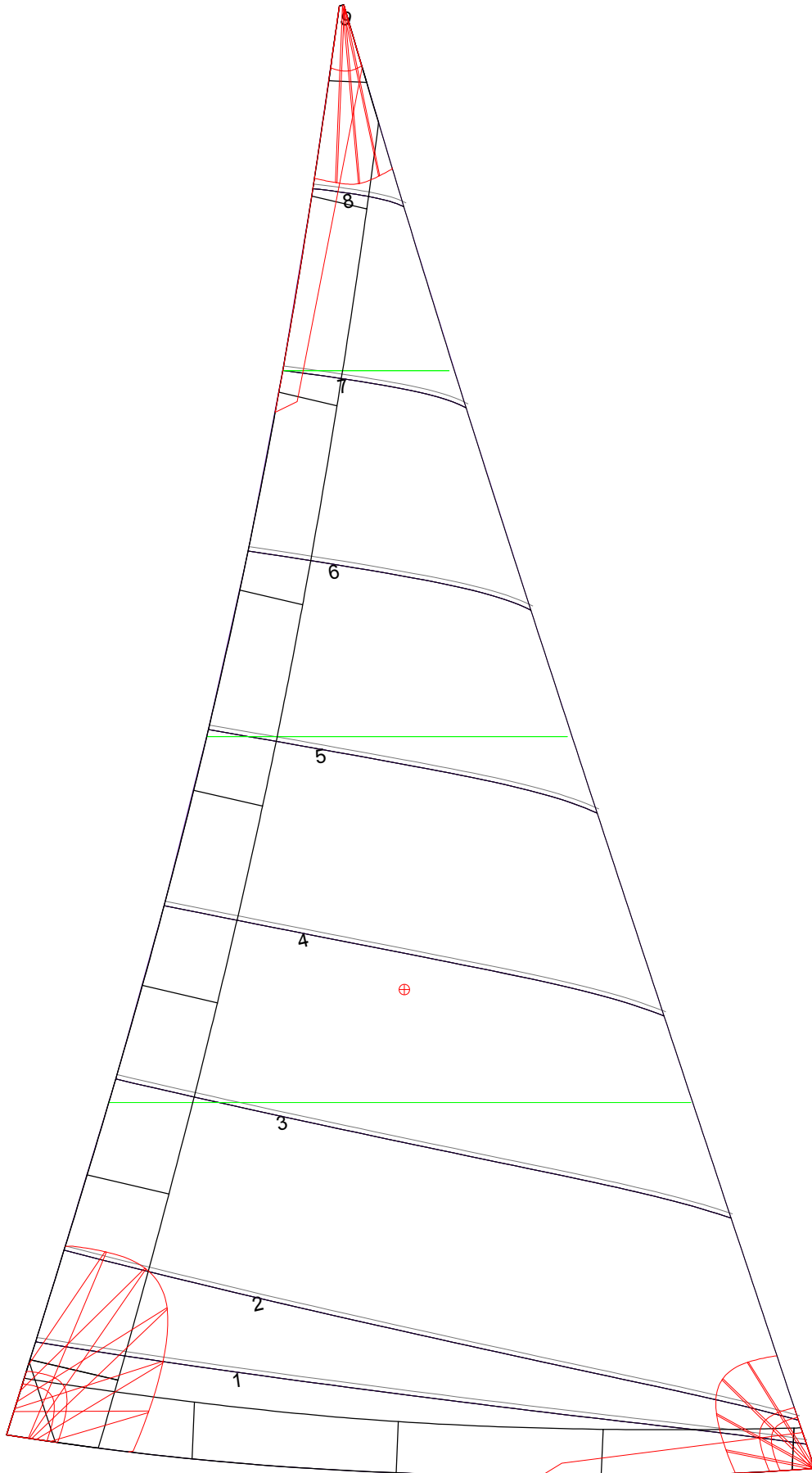
1, Luff: 8.911Ft ; Leech: 8.093Ft ;
2, Luff: 17.820Ft ; Leech: 16.826Ft ;
3, Luff: 26.691Ft ; Leech: 25.394Ft ;

Luff Curve

35.473Ft,	0.000Ft
32.525Ft,	0.120Ft
29.265Ft,	0.218Ft
26.395Ft,	0.268Ft
23.058Ft,	0.287Ft
17.653Ft,	0.252Ft
11.529Ft,	0.171Ft
5.996Ft,	0.085Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.933Ft])	Before BSeam
100% (35.474Ft) :	-0.000Ft 0.000Ft
90% (31.923Ft) :	-0.137Ft -0.012Ft
80% (28.384Ft) :	-0.234Ft 0.006Ft
70% (24.833Ft) :	-0.283Ft 0.049Ft
60% (21.286Ft) :	-0.287Ft 0.106Ft
50% (17.738Ft) :	-0.261Ft 0.159Ft
40% (14.190Ft) :	-0.220Ft 0.195Ft
30% (10.642Ft) :	-0.169Ft 0.201Ft
20% (7.097Ft) :	-0.114Ft 0.170Ft
10% (3.544Ft) :	-0.058Ft 0.100Ft
0% (0.000Ft) :	0.000Ft 0.000Ft

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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	87.70
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	314.36	1,2,3,4,5 6,7,8,9