

Genoa: 7000601 Matthieu Mirage33 HeadsailV3.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000601 Matthieu\7000601

Initial Design Date: 15/6/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	11.560m
Leech geodesic:	11.195m
Foot geodesic:	4.642m
Headboard width:	0.030m
Luff perpendicular (HLP):	4.473m
Upper width (HUW):	0.497m
Three-quarter width (HTW):	0.986m
Half width (HHW):	2.060m
Quarter width (HQW):	3.238m
Foot median:	11.283m
ORC Headsail area:	24.777m?
IRC Headsail area:	24.714m?
Surface area:	24.893m?
Forestay height:	13.110m
J:	3.890m

Draft Stripes

1, Luff: 3.831m ; Leech: 3.709m ;
2, Luff: 7.657m ; Leech: 7.382m ;

Luff Curve

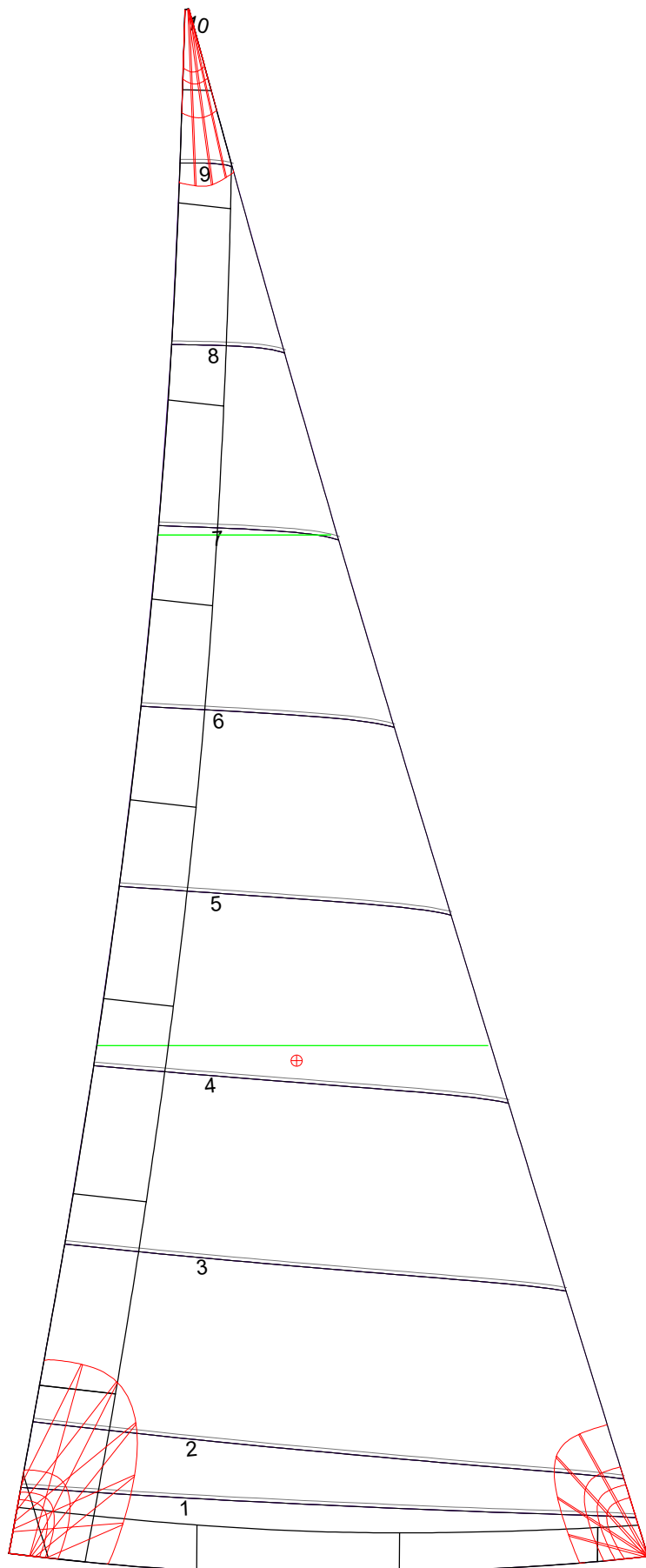
11.558m,	0.000m
10.597m,	0.040m
9.535m,	0.071m
8.600m,	0.088m
7.513m,	0.094m
5.752m,	0.083m
3.756m,	0.056m
1.954m,	0.028m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.229m])

100% (11.558m) :	0.000m	-0.000m
90% (10.401m) :	-0.043m	-0.005m
80% (9.248m) :	-0.075m	-0.003m
70% (8.091m) :	-0.091m	0.002m
60% (6.935m) :	-0.093m	0.010m
50% (5.779m) :	-0.086m	0.018m
40% (4.624m) :	-0.072m	0.024m
30% (3.467m) :	-0.055m	0.026m
20% (2.312m) :	-0.037m	0.023m
10% (1.155m) :	-0.019m	0.014m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.026m	0.026m	0.026m
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	22.85
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	24.94	1,2,3,4,5 6,7,8,9,10