

Genoa: 7000130 Martin headsail.des

Design Info
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Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000130 M

Initial Design Date: 30/1/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	6.732m
Leech geodesic:	6.500m
Foot geodesic:	2.500m
Headboard width:	0.030m
Luff perpendicular (HLP):	2.407m
Upper width (HUW):	0.272m
Three-quarter width (HTW):	0.527m
Half width (HHW):	1.103m
Quarter width (HQW):	1.731m
Foot median:	6.588m
ORC Headsail area:	7.743m?
IRC Headsail area:	7.729m?
Surface area:	7.808m?
Forestay height:	7.100m
J:	2.200m

Luff Curve

6.731m,	0.000m
6.171m,	0.022m
5.553m,	0.040m
5.008m,	0.050m
4.375m,	0.053m
3.350m,	0.047m
2.188m,	0.032m
1.138m,	0.016m
0.000m,	0.000m

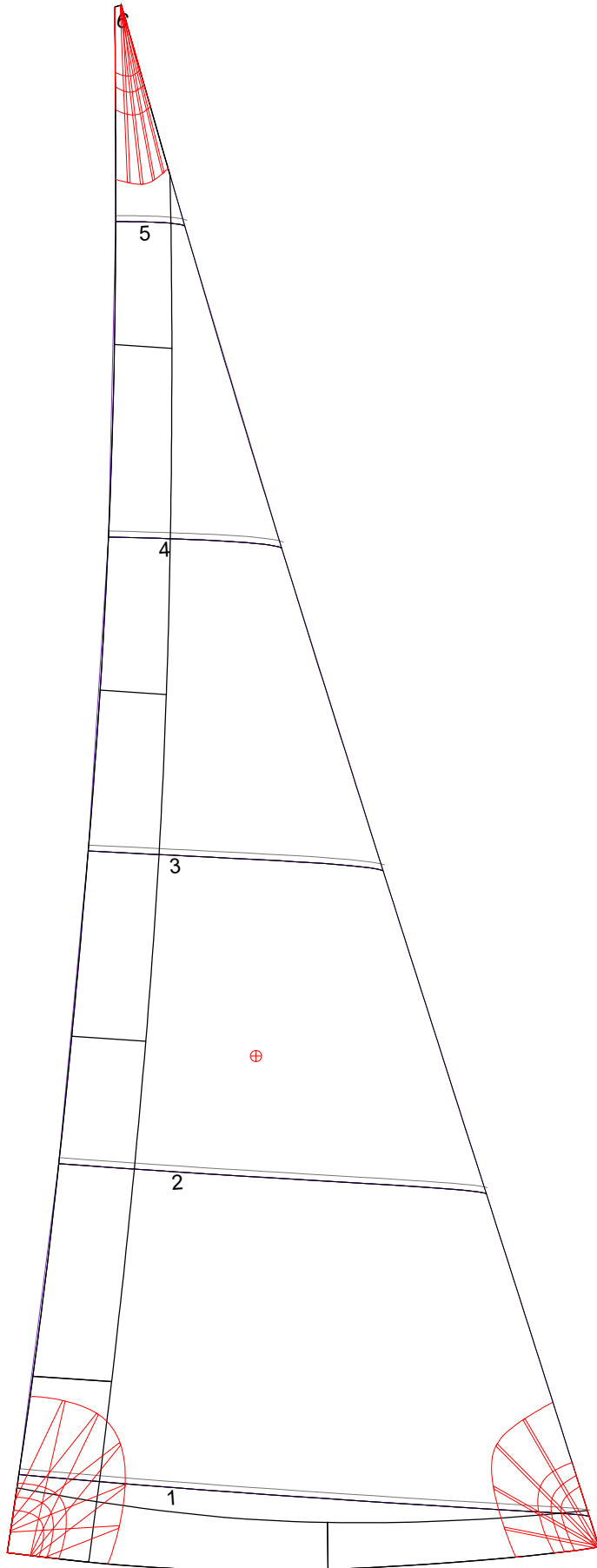
Fanned Luff (@ 5.00% [0.123m])

100% (6.731m) :	0.000m
90% (6.057m) :	-0.023m
80% (5.386m) :	-0.041m
70% (4.712m) :	-0.049m
60% (4.039m) :	-0.050m
50% (3.366m) :	-0.045m
40% (2.693m) :	-0.037m
30% (2.019m) :	-0.028m
20% (1.347m) :	-0.019m
10% (0.673m) :	-0.009m
0% (0.000m) :	-0.000m

Before BSeam

0.000m
-0.007m
-0.011m
-0.009m
-0.005m
0.001m
0.006m
0.007m
0.008m
0.006m
0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.025m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.050m	0.070m	0.070m
Cover 1	0.050m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	6.65
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	7.83	1,2,3,4,5 6