

Genoa: 8001003 Michael-2 Moody S31 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001003 Michael M

Initial Design Date: 5/11/2024
Boat:
Moody S31
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	11.290m
Leech geodesic:	10.721m
Foot geodesic:	4.690m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.459m
Upper width (HUW):	0.475m
Three-quarter width (HTW):	0.959m
Half width (HHW):	2.056m
Quarter width (HQW):	3.240m
Foot median:	10.891m
ORC Headsail area:	24.090m?
IRC Headsail area:	23.990m?
Surface area:	24.222m?
Forestay height:	12.190m
J:	3.430m

Draft Stripes

1, Luff: 3.741m ; Leech: 3.361m ;
2, Luff: 7.476m ; Leech: 6.977m ;

Luff Curve

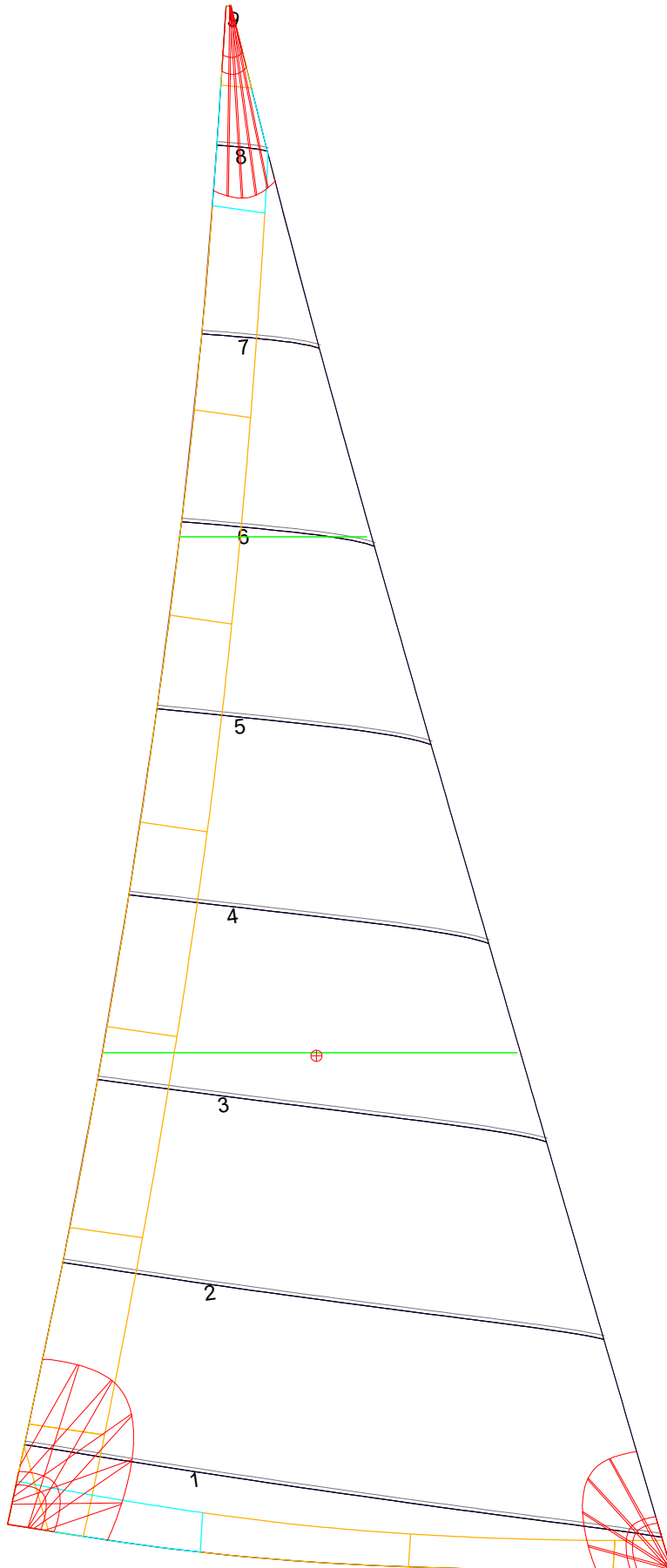
11.288m,	0.000m
10.350m,	0.038m
9.312m,	0.069m
8.399m,	0.085m
7.337m,	0.091m
5.617m,	0.080m
3.669m,	0.054m
1.908m,	0.027m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.230m])

100% (11.288m) :	-0.000m	0.000m
90% (10.158m) :	-0.047m	-0.021m
80% (9.032m) :	-0.077m	-0.026m
70% (7.902m) :	-0.091m	-0.018m
60% (6.773m) :	-0.092m	-0.001m
50% (5.644m) :	-0.083m	0.017m
40% (4.516m) :	-0.068m	0.032m
30% (3.386m) :	-0.052m	0.040m
20% (2.258m) :	-0.035m	0.036m
10% (1.128m) :	-0.018m	0.020m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
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	19.12
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	24.27	1,2,3,4,5 6,7,8,9