

Genoa: 8000814 Tony Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000814 Tony head

Initial Design Date: 22/8/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	12.177m
Leech geodesic:	10.600m
Foot geodesic:	5.600m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.924m
Upper width (HUW):	0.524m
Three-quarter width (HTW):	1.057m
Half width (HHW):	2.259m
Quarter width (HQW):	3.564m
Foot median:	11.227m
ORC Headsail area:	28.617m?
IRC Headsail area:	28.517m?
Surface area:	28.963m?
Forestay height:	12.800m
J:	3.350m

Draft Stripes

1, Luff: 4.034m ; Leech: 2.517m ;
2, Luff: 8.061m ; Leech: 6.496m ;

Luff Curve

12.174m,	0.000m
11.163m,	0.041m
10.044m,	0.075m
9.059m,	0.092m
7.914m,	0.098m
6.058m,	0.086m
3.957m,	0.059m
2.058m,	0.029m
0.000m,	0.000m

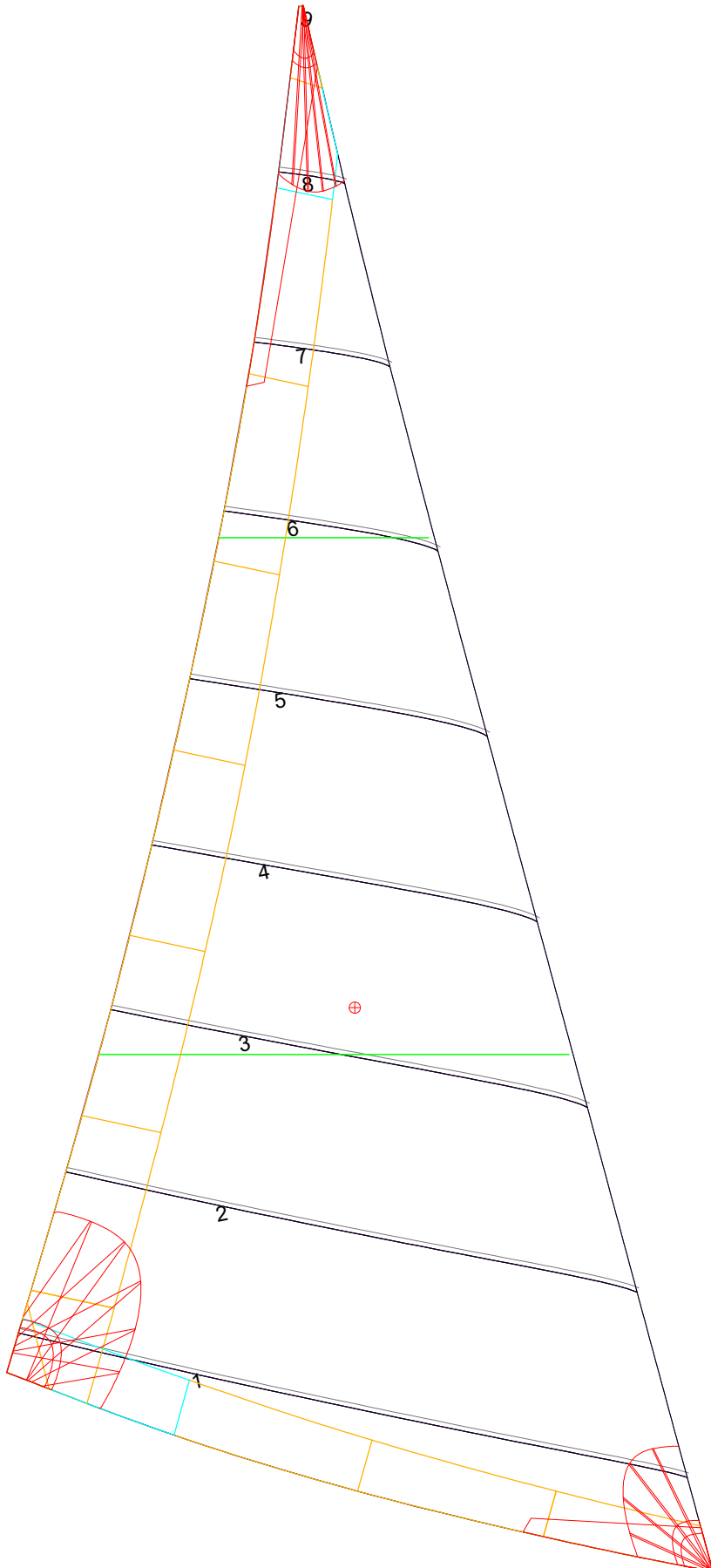
Fanned Luff (@ 5.00% [0.266m])

100% (12.175m) :	0.000m
90% (10.958m) :	-0.052m
80% (9.741m) :	-0.087m
70% (8.523m) :	-0.102m
60% (7.305m) :	-0.103m
50% (6.088m) :	-0.093m
40% (4.870m) :	-0.077m
30% (3.653m) :	-0.058m
20% (2.435m) :	-0.039m
10% (1.217m) :	-0.021m
0% (0.000m) :	0.000m

Before BSeam

-0.000m
-0.019m
-0.022m
-0.009m
0.012m
0.033m
0.050m
0.056m
0.049m
0.027m
0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.035m	0.035m	0.035m
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

	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	22.58
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	29.02	1,2,3,4,5 6,7,8,9