

Genoa: 7000107 Tobias Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000107 Tobias\7000

Initial Design Date: 27/5/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	11.300m
Leech geodesic:	10.780m
Foot geodesic:	5.012m
Headboard width:	0.030m
Luff perpendicular (HLP):	4.765m
Upper width (HUW):	0.534m
Three-quarter width (HTW):	1.062m
Half width (HHW):	2.210m
Quarter width (HQW):	3.459m
Foot median:	10.909m
ORC Headsail area:	25.893m?
IRC Headsail area:	25.831m?
Surface area:	26.055m?
Forestay height:	11.800m
J:	3.530m

Draft Stripes

1, Luff: 3.745m ; Leech: 3.425m ;
2, Luff: 7.484m ; Leech: 7.036m ;

Luff Curve

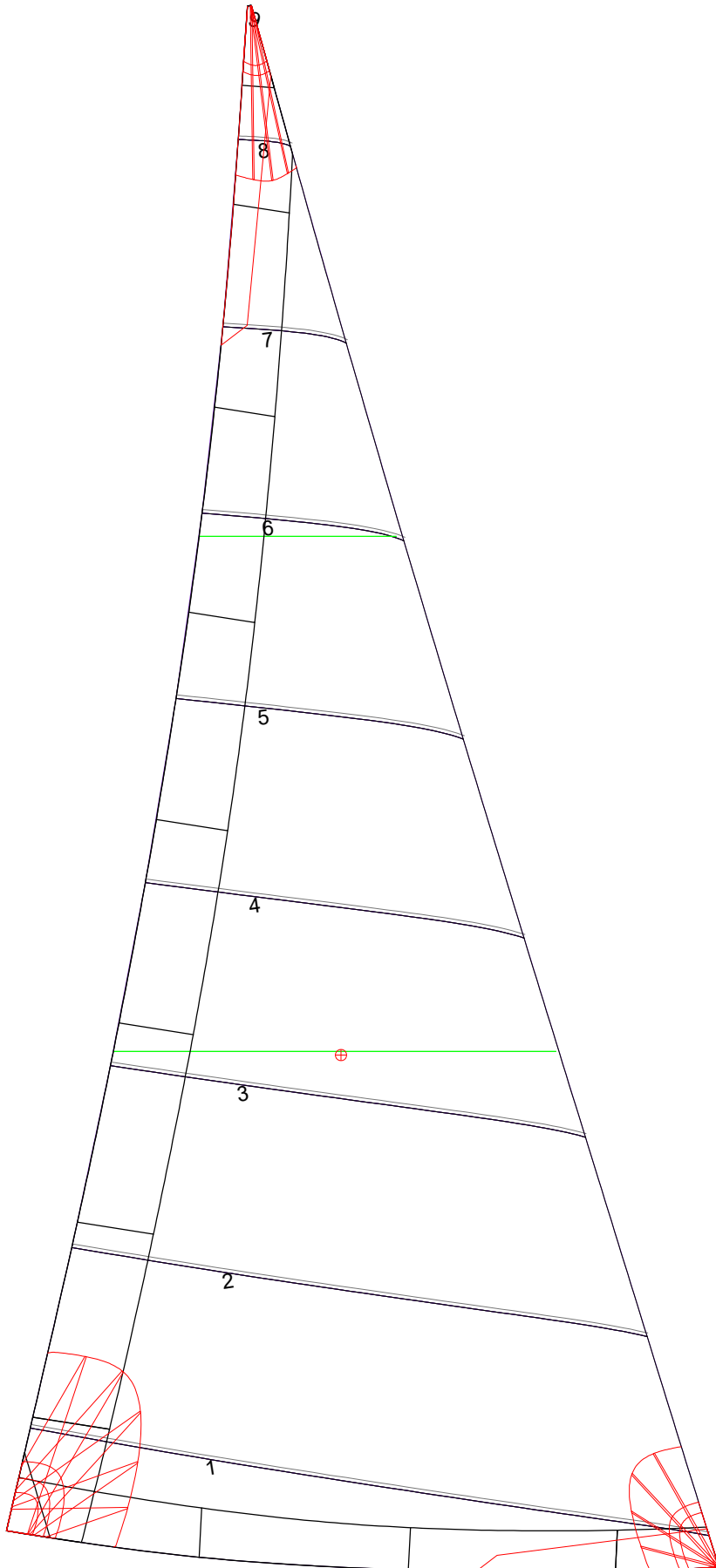
11.298m,	0.000m
10.359m,	0.038m
9.321m,	0.069m
8.407m,	0.085m
7.344m,	0.091m
5.622m,	0.080m
3.672m,	0.054m
1.910m,	0.027m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.247m])

100% (11.298m) :	-0.000m	0.000m
90% (10.168m) :	-0.042m	-0.000m
80% (9.040m) :	-0.073m	0.004m
70% (7.909m) :	-0.088m	0.012m
60% (6.779m) :	-0.091m	0.020m
50% (5.649m) :	-0.083m	0.028m
40% (4.520m) :	-0.069m	0.034m
30% (3.389m) :	-0.053m	0.034m
20% (2.260m) :	-0.036m	0.029m
10% (1.129m) :	-0.018m	0.018m
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

	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	20.30
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	26.10	1,2,3,4,5 6,7,8,9