

Genoa: 7000908 Lawrie-2 Lagoon 380 HeadsailV2.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000908 Lawrie\7000908 Lawrie-2 Lagoon 380 HeadsailV2.des

Initial Design Date: 7/10/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	12.900m
Leech geodesic:	12.312m
Foot geodesic:	5.777m
Headboard width:	0.033m
Luff perpendicular (HLP):	5.503m
Upper width (HUW):	0.600m
Three-quarter width (HTW):	1.205m
Half width (HHW):	2.538m
Quarter width (HQW):	3.998m
Foot median:	12.450m
ORC Headsail area:	34.029m ²
IRC Headsail area:	33.906m ²
Surface area:	34.237m ²
Forestay height:	13.130m
J:	3.570m

Draft Stripes

1, Luff: 3.237m ; Leech: 2.813m ;
2, Luff: 6.474m ; Leech: 5.995m ;
3, Luff: 9.700m ; Leech: 9.132m ;

Luff Curve

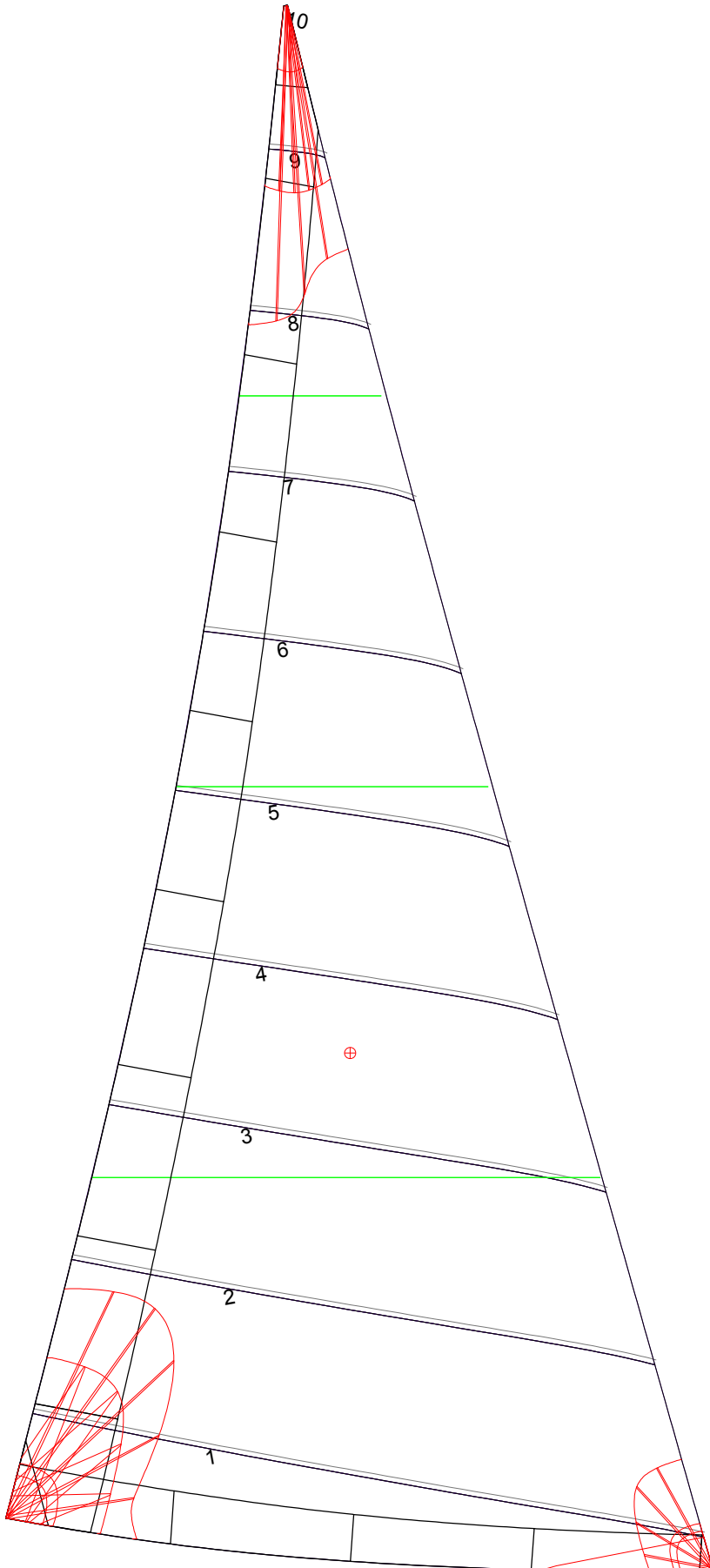
12.898m,	0.000m
11.826m,	0.043m
10.640m,	0.079m
9.597m,	0.097m
8.384m,	0.103m
6.418m,	0.091m
4.192m,	0.062m
2.180m,	0.031m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.281m])

100% (12.898m) :	-0.000m	-0.000m
90% (11.607m) :	-0.049m	-0.011m
80% (10.320m) :	-0.084m	-0.010m
70% (9.029m) :	-0.101m	0.001m
60% (7.739m) :	-0.102m	0.018m
50% (6.449m) :	-0.092m	0.035m
40% (5.159m) :	-0.077m	0.048m
30% (3.869m) :	-0.059m	0.052m
20% (2.580m) :	-0.040m	0.046m
10% (1.289m) :	-0.020m	0.028m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.040m	0.040m	0.040m
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	26.46
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	34.30	1,2,3,4,5 6,7,8,9,10