

Genoa: 7001024 Lasse Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001024 Lasse\700

Initial Design Date: 3/11/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	13.127m
Leech geodesic:	12.462m
Foot geodesic:	5.478m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.200m
Upper width (HUW):	0.583m
Three-quarter width (HTW):	1.156m
Half width (HHW):	2.406m
Quarter width (HQW):	3.771m
Foot median:	12.669m
ORC Headsail area:	32.791m?
IRC Headsail area:	32.712m?
Surface area:	32.991m?
Forestay height:	13.900m
J:	4.000m

Draft Stripes

1, Luff: 3.295m ; Leech: 2.884m ;
2, Luff: 6.590m ; Leech: 6.083m ;
3, Luff: 9.872m ; Leech: 9.244m ;

Luff Curve

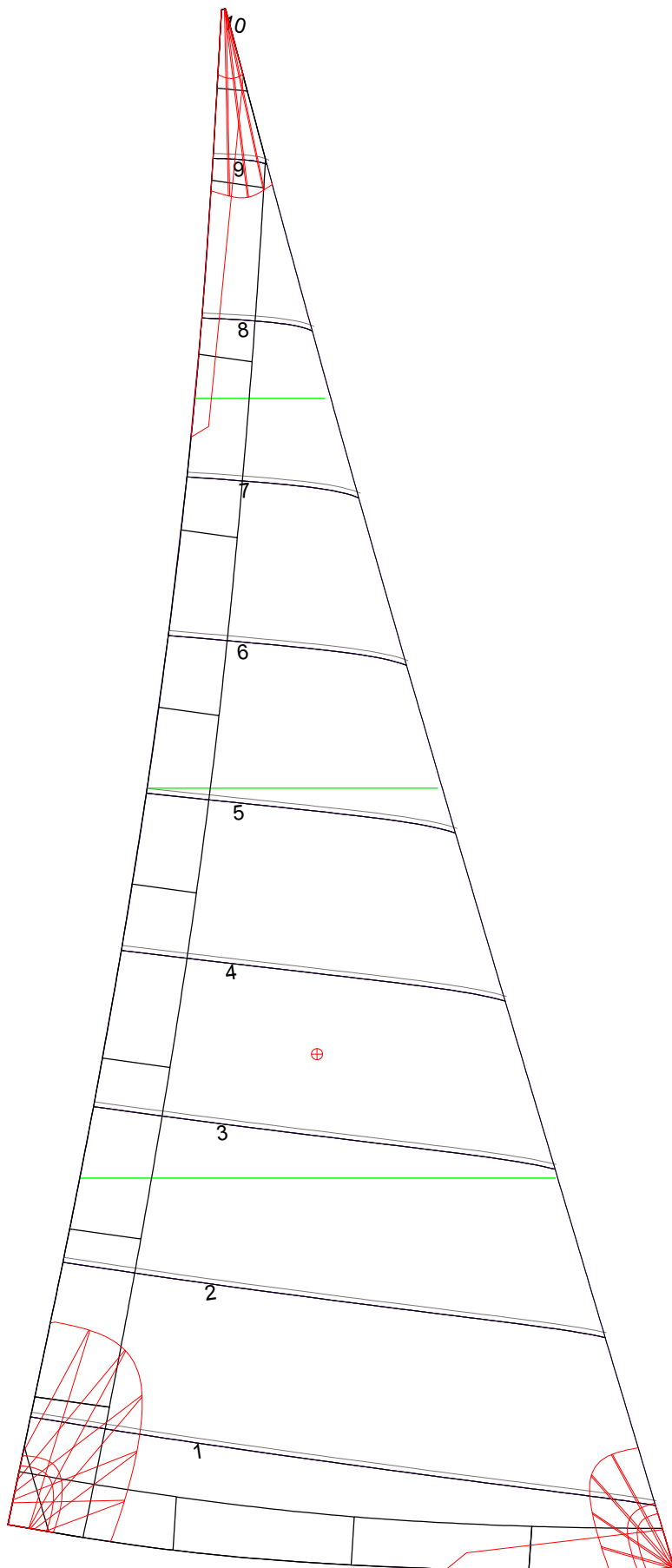
13.124m,	0.000m
12.034m,	0.044m
10.828m,	0.081m
9.766m,	0.099m
8.531m,	0.106m
6.531m,	0.093m
4.265m,	0.063m
2.218m,	0.032m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.269m])

100% (13.125m) :	-0.000m	0.000m
90% (11.812m) :	-0.049m	-0.003m
80% (10.501m) :	-0.085m	0.001m
70% (9.188m) :	-0.104m	0.008m
60% (7.876m) :	-0.107m	0.017m
50% (6.563m) :	-0.098m	0.026m
40% (5.250m) :	-0.081m	0.033m
30% (3.937m) :	-0.062m	0.034m
20% (2.626m) :	-0.042m	0.030m
10% (1.312m) :	-0.021m	0.018m
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
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	24.76
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	33.05	1,2,3,4,5 6,7,8,9,10