

Genoa: 7000127 Alexandre headsail.des

Design Info
=====

Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000127 AL

Initial Design Date: 1/2/2023
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic: 15.721m
Leech geodesic: 14.200m
Foot geodesic: 6.500m
Headboard width: 0.030m
Luff perpendicular (HLP): 5.905m
Upper width (HUW): 0.645m
Three-quarter width (HTW): 1.287m
Half width (HHW): 2.700m
Quarter width (HQW): 4.257m
Foot median: 14.861m
ORC Headsail area: 44.282m?
IRC Headsail area: 44.188m?
Surface area: 44.820m?
Forestay height: 16.600m
J: 4.800m

Draft Stripes

1, Luff: 5.210m ; Leech: 3.972m ;
2, Luff: 10.411m ; Leech: 8.995m ;

Luff Curve

15.718m, 0.000m
14.412m, 0.053m
12.967m, 0.096m
11.696m, 0.119m
10.217m, 0.127m
7.822m, 0.111m
5.108m, 0.076m
2.657m, 0.038m
0.000m, 0.000m

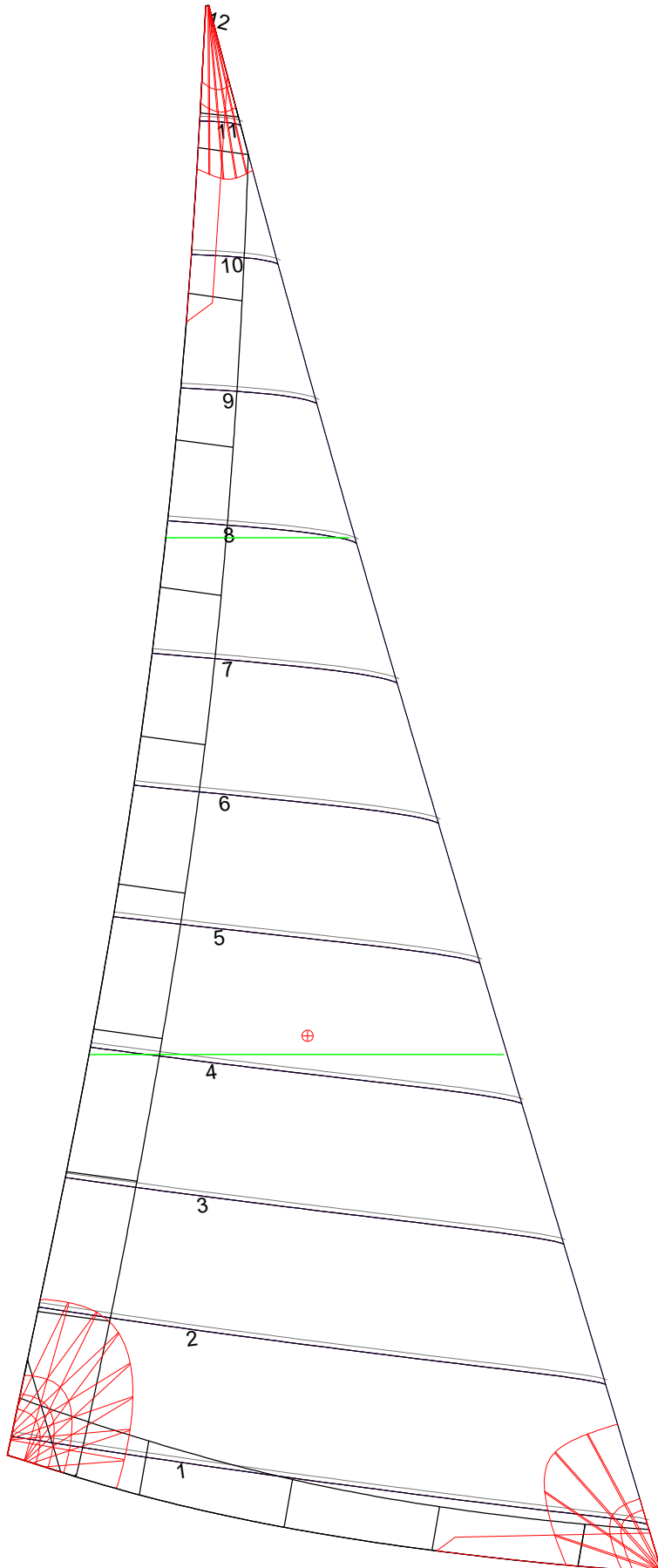
Fanned Luff (@ 5.00% [0.315m])

100% (15.718m) : 0.000m
90% (14.147m) : -0.059m
80% (12.576m) : -0.103m
70% (11.004m) : -0.125m
60% (9.432m) : -0.128m
50% (7.860m) : -0.116m
40% (6.288m) : -0.096m
30% (4.716m) : -0.073m
20% (3.144m) : -0.048m
10% (1.571m) : -0.024m
0% (0.000m) : -0.000m

Before BSeam

0.000m
-0.008m
-0.009m
0.000m
0.015m
0.030m
0.039m
0.039m
0.035m
0.024m
0.000m

Genoa: 7000127 Alexandre headsail.des



Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.045m
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	0.070m	0.070m
Cover 1	0.070m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	35.61
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	44.94	1,2,3,4,5 6,7,8,9,10 11,12