

Genoa: 5000811-2 150% headsail.des

Design Info

=====

Design File:

D:\dropbox\Dropbox\Fareast Sails\2021\5000811 Ofra\5000811-2 150% headsail.des

Initial Design Date: 28/8/2021

Boat:

Comments:

Client:

Design Data

=====

Genoa

Measurements

Luff geodesic:	12.884m
Leech geodesic:	12.654m
Foot geodesic:	6.260m
Headboard width:	0.025m
Luff perpendicular (HLP):	5.985m
Upper width (HUW):	0.622m
Three-quarter width (HTW):	1.244m
Half width (HHW):	2.706m
Quarter width (HQW):	4.294m
Foot median:	12.567m
ORC Headsail area:	36.434m ²
IRC Headsail area:	36.359m ²
Surface area:	36.537m ²
Forestay height:	13.560m
J:	3.990m

Luff Curve

12.882m,	0.000m
11.811m,	0.044m
10.627m,	0.079m
9.585m,	0.097m
8.373m,	0.104m
6.410m,	0.091m
4.187m,	0.062m
2.177m,	0.031m
0.000m,	0.000m

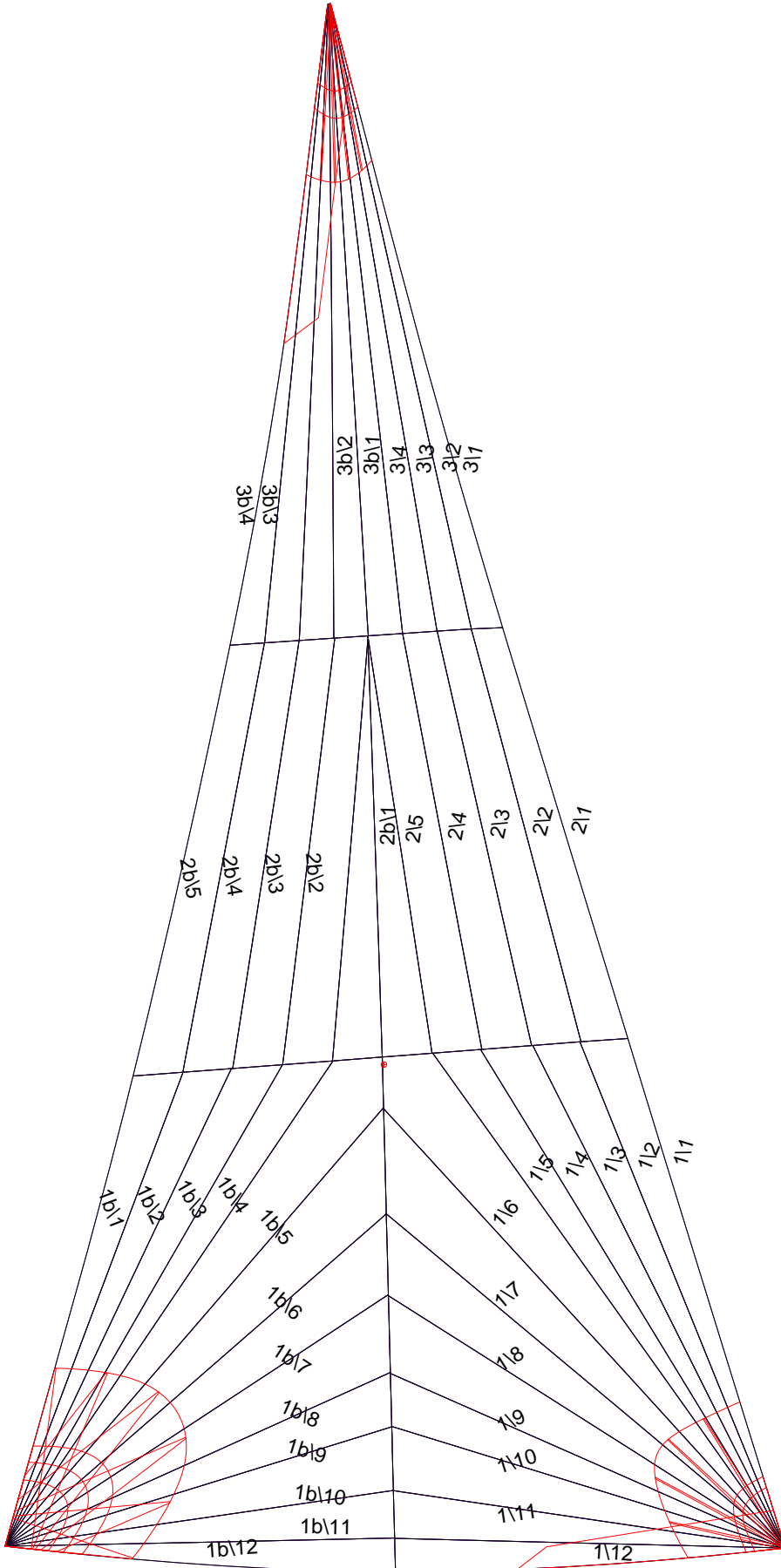
Fanned Luff (@ 5.00% [0.312m])

100% (12.882m) :	0.000m
90% (11.591m) :	-0.043m
80% (10.308m) :	-0.083m
70% (9.018m) :	-0.105m
60% (7.730m) :	-0.104m
50% (6.441m) :	-0.093m
40% (5.153m) :	-0.077m
30% (3.864m) :	-0.060m
20% (2.577m) :	-0.041m
10% (1.287m) :	-0.021m
0% (0.000m) :	0.000m

Before BSeam

0.000m
-0.036m
-0.069m
-0.084m
-0.078m
-0.064m
-0.053m
-0.042m
-0.030m
-0.016m
0.000m

Genoa: 5000811-2 150% headsail.des



Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.038m
Zone: 1/b	0.038m	0.015m	0.038m
Zone: 2/a	0.038m	0.015m	0.038m
Zone: 2/b	0.038m	0.015m	0.038m
Zone: 3/a	0.038m	0.015m	0.038m
Zone: 3/b	0.038m	0.015m	0.038m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	6.22
Radial/Vertical	145.59
Bi-Radial Split	12.86

Materials

Material	Area (m ²)	Panels
Material 1	36.74	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3b\1,3b\2 3b\3,3b\4

Genoa: 5000811-2 150% headsail.des

