Genoa: 7000202 Justin Headsail.des

Design Info
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Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000202 Ju

Comments:

Initial Design Date: 10/2/2023
Boat:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	12.470m
Leech geodesic:	11.950m
Foot geodesic:	5.002m
Headboard width:	0.030m
Luff perpendicular (HLP):	4.790m
Upper width (HUW):	0.688m
Three-quarter width (HTW):	1.343m
Half width (HHW):	2.515m
Quarter width (HQW):	3.662m
Foot median:	12.146m
ORC Headsail area:	30.855m?
IRC Headsail area:	30.906m?
Surface area:	31.478m?
Forestay height:	13.180m
J:	3.680m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
76.252%	1.035m	0.132m	82.547?	9.553m	9.081m	
51.400%	1.478m	0.093m	82.547?	6.509m	6.121m	
25.970%	1.232m	0.040m	82.547?	3.393m	3.093m	

Draft Stripes

1, Luff: 4.131m ; Leech: 3.801m ;
2, Luff: 8.255m ; Leech: 7.787m ;

Luff Curve

12.468m,	0.000m
11.432m,	0.039m
10.286m,	0.071m
9.277m,	0.087m
8.104m,	0.093m
6.205m,	0.082m
4.052m,	0.056m
2.107m,	0.028m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.246m])		Before BSeam
100% (12.468m) :	0.000m	0.000m
90% (11.221m) :	-0.042m	0.002m
80% (9.976m) :	-0.073m	0.007m
70% (8.728m) :	-0.088m	0.015m
60% (7.482m) :	-0.090m	0.023m
50% (6.234m) :	-0.081m	0.032m
40% (4.988m) :	-0.067m	0.036m
30% (3.741m) :	-0.051m	0.034m
20% (2.494m) :	-0.033m	0.028m
10% (1.246m) :	-0.016m	0.018m
0% (0.000m) :	-0.000m	0.000m

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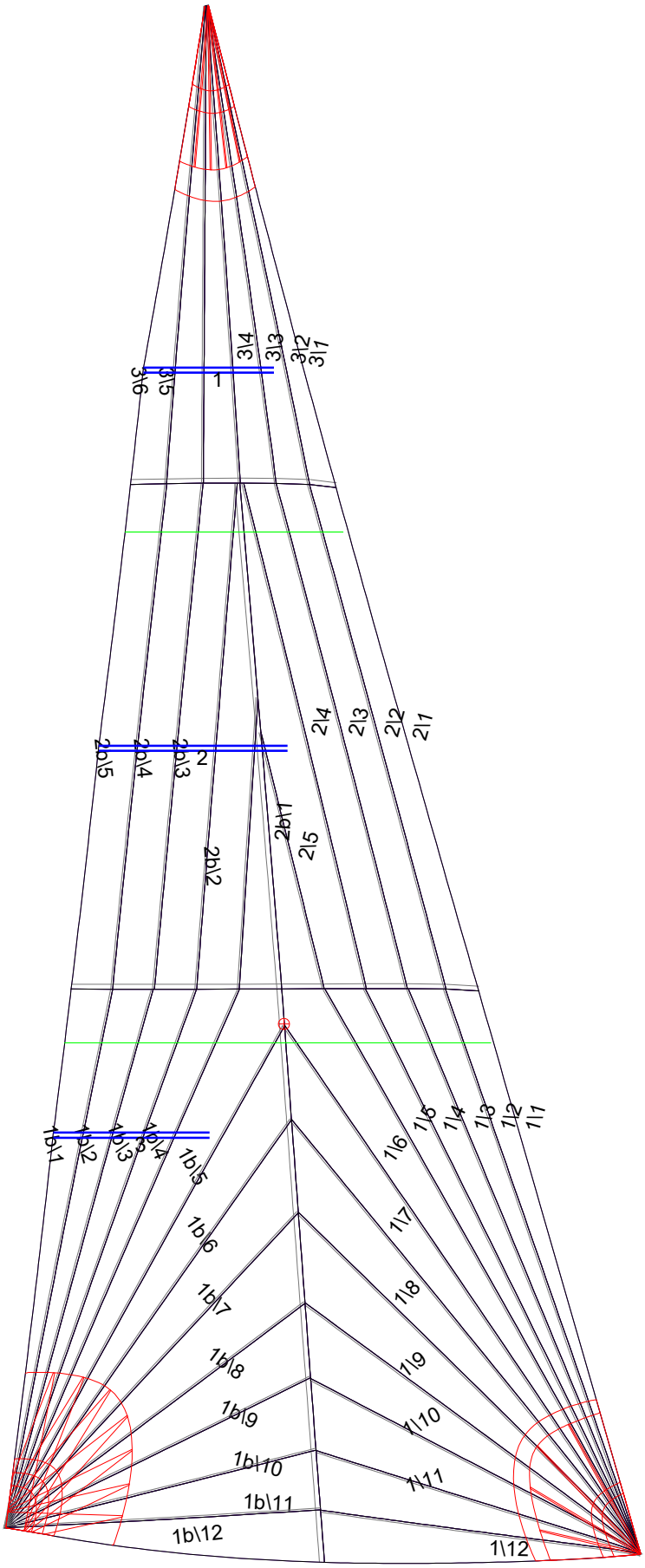

Seam Allowances

	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	0.038m	0.015m	0.038m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	5.02
Radial/Vertical	131.70
Bi-Radial Split	8.72

Materials

Material	Area (m?	Panels
Material 1	31.54	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\4,3\5,3\6