

Genoa: 7000133 Jon VB jib.des

Design Info
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Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000133 Jo

Initial Design Date: 1/2/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 16.562m
 Leech geodesic: 15.870m
 Foot geodesic: 5.170m
 Headboard width: 0.035m
 Luff perpendicular (HLP): 4.962m
 Upper width (HUW): 0.732m
 Three-quarter width (HTW): 1.382m
 Half width (HHW): 2.597m
 Quarter width (HQW): 3.784m
 Foot median: 16.135m
 ORC Headsail area: 42.397m?
 IRC Headsail area: 42.480m?
 Surface area: 42.811m?
 Forestay height: 17.500m
 J: 4.810m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
81.286%	1.800m	0.120m	162.097?	49.014m	12.876m	
62.963%	1.800m	0.133m	162.097?	110.847m	9.973m	
43.027%	1.800m	0.081m	162.097?	178.123m	6.816m	
21.966%	1.800m	0.036m	162.097?	249.193m	3.479m	

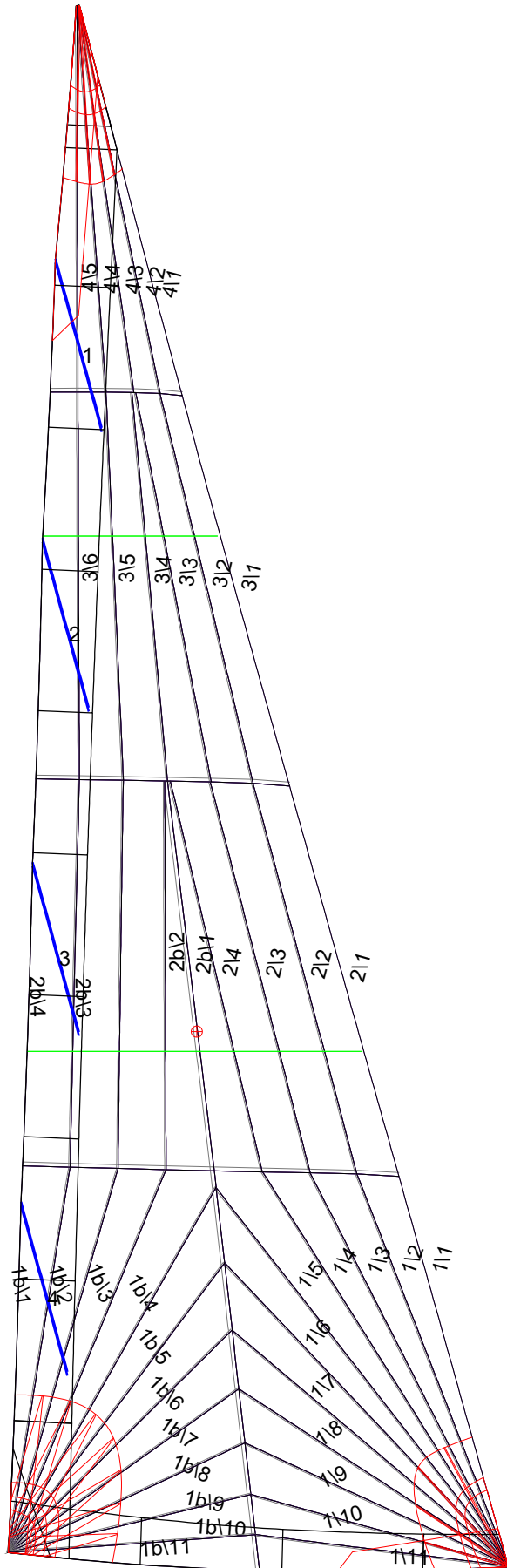
Draft Stripes

1, Luff: 5.478m ; Leech: 5.139m ;
 2, Luff: 10.952m ; Leech: 10.407m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.256m])	Before BSeam
16.561m,	0.000m	100% (16.561m) :	0.000m
15.185m,	0.033m	90% (14.904m) :	-0.035m
13.663m,	0.059m	80% (13.250m) :	-0.060m
12.323m,	0.072m	70% (11.593m) :	-0.073m
10.765m,	0.078m	60% (9.937m) :	-0.074m
8.241m,	0.068m	50% (8.281m) :	-0.067m
5.382m,	0.046m	40% (6.625m) :	-0.056m
2.799m,	0.023m	30% (4.968m) :	-0.042m
0.000m,	0.000m	20% (3.313m) :	-0.028m
		10% (1.656m) :	-0.014m
		0% (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
Zone: 4	0.038m	0.015m	0.038m
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

	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	8.08
Radial/Vertical	133.82
Bi-Radial Split	8.35

Materials

Material	Area (m ²)	Panels
Material 1	42.89	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,2\1,2\2,2\3 2\4,2b\1,2b\2,2b\3,2b\4 3\1,3\2,3\3,3\4,3\5 3\6,4\1,4\2,4\3,4\4 4\5