

Genoa: 7000133 Jon VB jib V1.des

Design Info
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Design File:
C:\Users\Administrator\Desktop\设计支持\Mandy\0210\7000133 Jon VB jib V1.des

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): 4.959m
Upper width (HUW): 0.706m
Three-quarter width (HTW): 1.355m
Half width (HHW): 2.582m
Quarter width (HQW): 3.785m
Foot median: 16.147m
ORC Headsail area: 42.218m?
IRC Headsail area: 42.242m?
Surface area: 42.656m?
Forestay height: 17.500m
J: 4.810m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
81.286%	1.850m	0.120m	162.097?	35.604m	12.877m	
62.963%	1.850m	0.133m	162.097?	84.793m	9.974m	
43.027%	1.850m	0.081m	162.097?	138.311m	6.816m	
21.966%	1.850m	0.036m	162.097?	194.847m	3.480m	

Draft Stripes

1, Luff: 5.478m ; Leech: 5.140m ;
2, Luff: 10.952m ; Leech: 10.408m ;

Luff Curve

Position	Length	Fanned Luff (@ 5.00% [0.257m])	Before BSeam
16.561m,	0.000m	100% (16.561m) :	0.000m -0.000m
15.185m,	0.033m	90% (14.903m) :	-0.041m -0.021m
13.663m,	0.059m	80% (13.250m) :	-0.066m -0.023m
12.323m,	0.072m	70% (11.593m) :	-0.077m -0.017m
10.765m,	0.078m	60% (9.937m) :	-0.078m -0.007m
8.241m,	0.068m	50% (8.281m) :	-0.070m 0.004m
5.382m,	0.046m	40% (6.625m) :	-0.059m 0.013m
2.799m,	0.023m	30% (4.968m) :	-0.046m 0.018m
0.000m,	0.000m	20% (3.313m) :	-0.031m 0.016m
		10% (1.655m) :	-0.016m 0.008m
		0% (0.000m) :	0.000m 0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Fwd Camb	Aft Camb
100.00%	2.388%	41.121%	15.101?	14.508?	-20.118?	0.000m	1.914%	2.257%
90.00%	6.142%	40.620%	13.591?	37.040?	-19.691?	0.000m	5.027%	4.777%
80.00%	8.347%	40.119%	12.081?	46.084?	-19.011?	0.000m	6.678%	6.217%
60.00%	9.541%	39.116%	9.061?	49.203?	-17.659?	0.308m	7.520%	6.990%
40.00%	9.152%	38.113%	6.041?	47.317?	-15.669?	0.308m	7.202%	6.707%
20.00%	7.714%	37.110%	3.020?	38.713?	-12.767?	0.257m	6.043%	5.688%
10.00%	6.430%	36.608%	1.510?	31.936?	-10.446?	0.142m	5.030%	4.760%
0.00%	4.762%	35.761%	0.000?	22.866?	-8.054?	0.000m	3.717%	3.569%

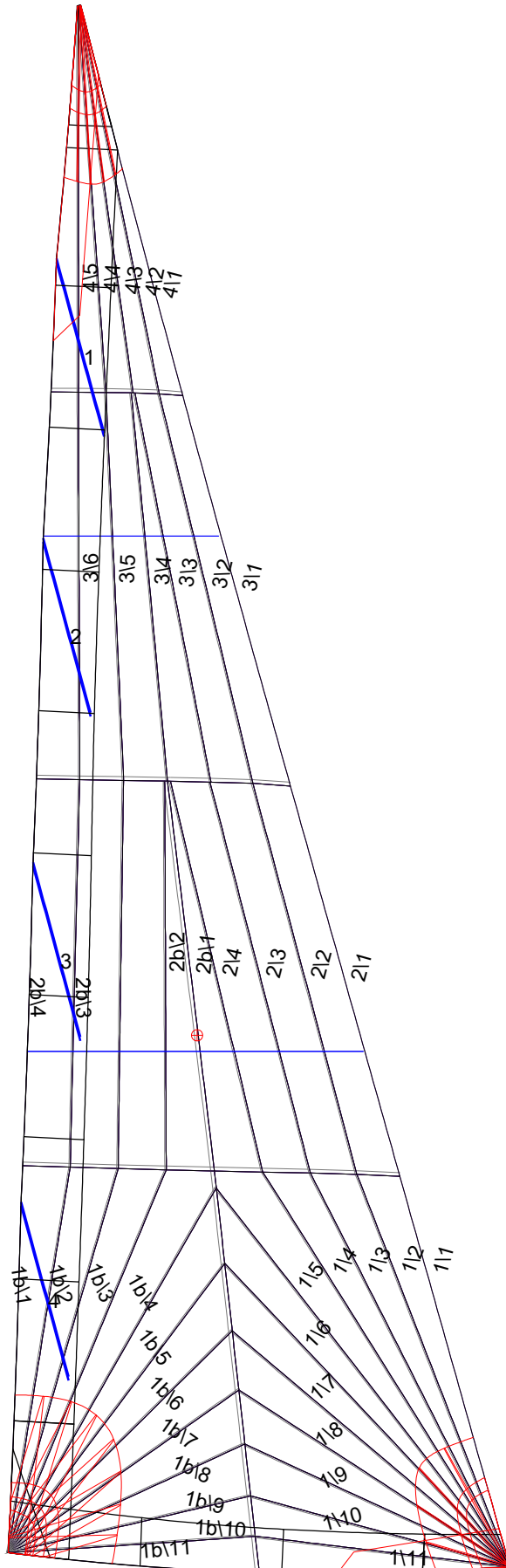
Chord Data

Luff LL : 16.5610m
Leech : 15.8418m
Luff Perpendicular : 4.5512m
Clew Height : 0.1443m
Headboard width : 0.0350m

Fanned Foot Curve Depths

25.0% 50.0% 75.0%
0.0797m 0.1135m 0.0851m

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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	8.04
Radial/Vertical	133.79
Bi-Radial Split	8.37

Materials

Material	Area (m ²)	Panels
Material 1	42.73	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

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