

Genoa: 7000208 Adam headsail V1.des

Design Info
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Design File:
\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000208 Adam\7000208 Ada

Initial Design Date: 15/2/2023
Boat:
Client:

Comments:
110%%Furl jib, Tri-radial cut
tack height re-check please
luff=41.184 ft, leech=37.45ft, foot=14.72ft
2 Draft stripes at 33%%&66%%

Design Data
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Genoa

Measurements

Luff geodesic: 12.553m
Leech geodesic: 11.319m
Foot geodesic: 4.532m
Headboard width: 0.030m
Luff perpendicular (HLP): 4.077m
Upper width (HUW): 0.439m
Three-quarter width (HTW): 0.872m
Half width (HHW): 1.839m
Quarter width (HQW): 2.920m
Foot median: 11.837m
ORC Headsail area: 24.250m?
IRC Headsail area: 24.194m?
Surface area: 24.350m?
Forestay height: 12.192m
J: 3.706m

Draft Stripes

1, Luff: 4.161m ; Leech: 3.241m ;
2, Luff: 8.315m ; Leech: 7.206m ;

Luff Curve

12.550m, 0.000m
11.508m, 0.043m
10.354m, 0.077m
9.339m, 0.095m
8.158m, 0.101m
6.246m, 0.089m
4.079m, 0.060m
2.121m, 0.030m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.221m])

100% (12.551m) : -0.000m
90% (11.295m) : -0.048m
80% (10.042m) : -0.082m
70% (8.786m) : -0.099m
60% (7.531m) : -0.101m
50% (6.276m) : -0.092m
40% (5.021m) : -0.076m
30% (3.765m) : -0.057m
20% (2.511m) : -0.038m
10% (1.254m) : -0.019m
0% (0.000m) : 0.000m

Before BSeam

0.000m
-0.021m
-0.032m
-0.032m
-0.025m
-0.014m
-0.004m
0.002m
0.006m
0.007m
0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Fwd Camb	Aft Camb
100.00%	13.003%	35.737%	17.804?	54.250?	-20.118?	0.000m	10.100%	9.333%
90.00%	12.667%	35.301%	16.024?	53.296?	-19.691?	-0.065m	9.872%	9.182%
80.00%	12.314%	34.866%	14.243?	52.156?	-19.011?	-0.123m	9.602%	8.970%
60.00%	11.269%	33.994%	10.682?	50.769?	-17.659?	-0.194m	8.851%	8.300%
40.00%	9.766%	33.122%	7.122?	49.291?	-15.669?	-0.197m	7.773%	7.282%
20.00%	7.643%	32.251%	3.561?	47.962?	-12.767?	-0.127m	6.253%	5.785%
10.00%	6.564%	31.815%	1.780?	46.859?	-10.446?	-0.067m	5.466%	4.975%
0.00%	4.828%	31.379%	0.000?	45.875?	-8.054?	0.000m	4.214%	3.714%

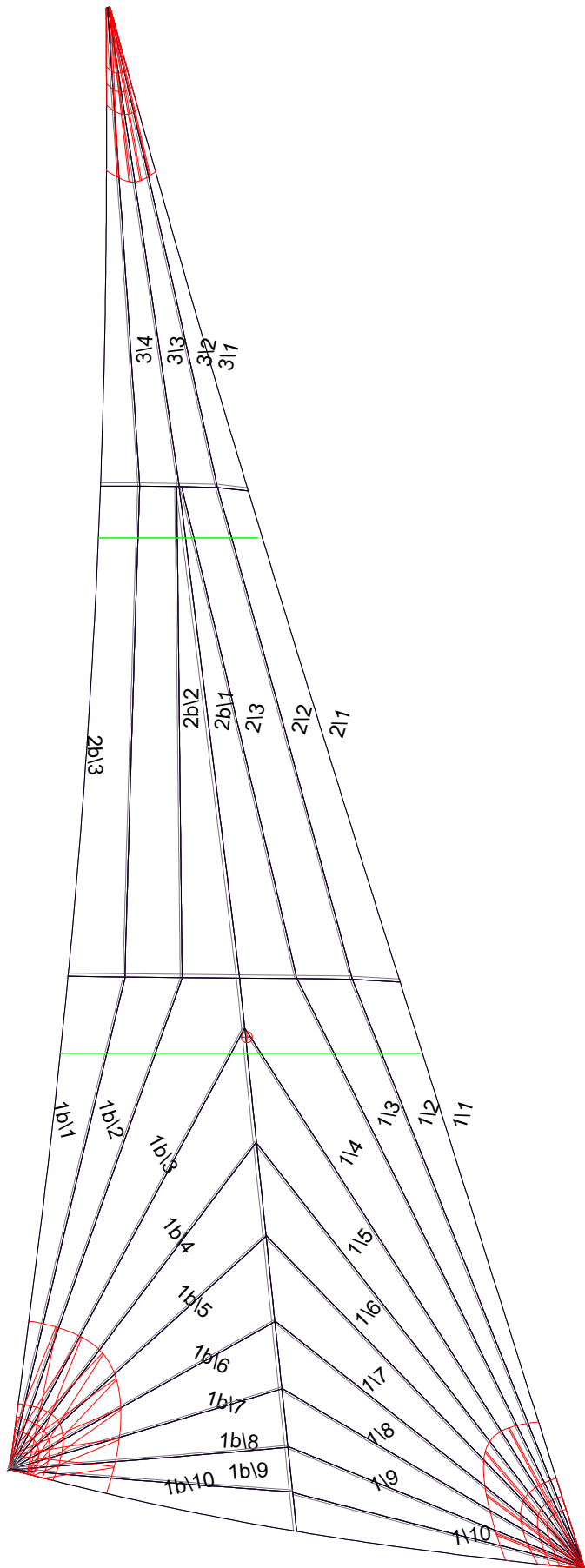
Chord Data

Luff LL : 12.5505m
Leech : 11.2742m
Luff Perpendicular : 4.0085m
Clew Height : 0.7600m
Headboard width : 0.0300m

Fanned Foot Curve Depths

25.0% 50.0% 75.0%
0.0629m 0.0859m 0.0647m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	3.86
Radial/Vertical	86.73
Bi-Radial Split	8.30

Materials

Material	Area (m ²)	Panels
Material 1	24.40	1\1, 1\2, 1\3, 1\4, 1\5 1\6, 1\7, 1\8, 1\9, 1\10 1b\1, 1b\2, 1b\3, 1b\4, 1b\5 1b\6, 1b\7, 1b\8, 1b\9, 1b\10 2\1, 2\2, 2\3, 2b\1, 2b\2 2b\3, 3\1, 3\2, 3\3, 3\4