

Genoa: 8000233 David Beneteau first 405 furlgen.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000233 David Be

Initial Design Date: 23/2/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	15.246m
Leech geodesic:	14.835m
Foot geodesic:	5.671m
Headboard width:	0.045m
Luff perpendicular (HLP):	5.500m
Upper width (HUW):	0.623m
Three-quarter width (HTW):	1.228m
Half width (HHW):	2.550m
Quarter width (HQW):	3.992m
Foot median:	14.898m
ORC Headsail area:	40.337m?
IRC Headsail area:	40.236m?
Surface area:	40.289m?
Forestay height:	15.800m
J:	4.400m

Draft Stripes

1, Luff: 3.823m ; Leech: 3.753m ;
2, Luff: 7.645m ; Leech: 7.450m ;
3, Luff: 11.457m ; Leech: 11.121m ;

Luff Curve

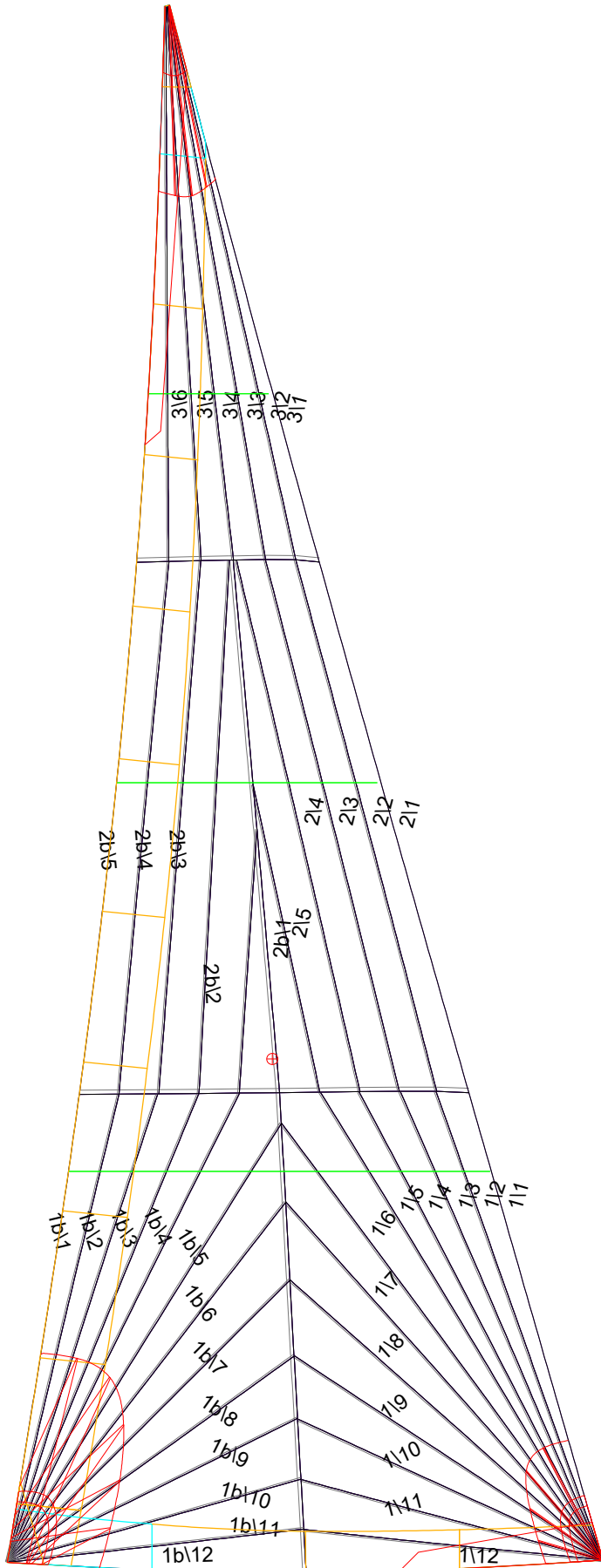
15.244m,	0.000m
13.978m,	0.038m
12.577m,	0.069m
11.343m,	0.085m
9.909m,	0.091m
7.586m,	0.080m
4.954m,	0.054m
2.577m,	0.027m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.281m])

100% (15.245m) :	-0.000m	0.000m
90% (13.719m) :	-0.038m	-0.003m
80% (12.197m) :	-0.067m	-0.000m
70% (10.672m) :	-0.083m	0.008m
60% (9.147m) :	-0.086m	0.020m
50% (7.623m) :	-0.080m	0.031m
40% (6.098m) :	-0.068m	0.038m
30% (4.573m) :	-0.054m	0.038m
20% (3.049m) :	-0.037m	0.034m
10% (1.524m) :	-0.020m	0.022m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.032m	0.016m	0.040m
Zone: 1/b	0.032m	0.016m	0.040m
Zone: 2/a	0.032m	0.016m	0.040m
Zone: 2/b	0.032m	0.016m	0.040m
Zone: 3	0.032m	0.016m	0.040m
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	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	5.64
Radial/Vertical	153.65
Bi-Radial Split	9.96

Materials

Material	Area (m ²)	Panels
Material 1	40.37	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