

Genoa: 8001115 Matthew-2 Beneteau First36.7 Furlgen.des Job Number:

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001115 Matthew

Job No:
Initial Design Date: 27/11/2024
Boat:
Beneteau First 36.7
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	13.665m
Leech geodesic:	13.309m
Foot geodesic:	5.942m
Headboard width:	0.060m
Luff perpendicular (HLP):	5.740m
LP Final(Inc Luff Rope):	5.755m
Foot(Inc Luff Rope):	5.957m
Head(Inc Luff Rope):	0.075m
Upper width (HUW):	0.724m
Three-quarter width (HTW):	1.395m
Half width (HHW):	2.782m
Quarter width (HQW):	4.229m
Foot median:	13.445m
ORC Headsail area:	38.695m?
IRC Headsail area:	38.677m?
Surface area:	39.201m?
Forestay height:	14.149m
J:	3.975m

Draft Stripes

1, Luff: 3.427m ; Leech: 3.402m ;
2, Luff: 6.854m ; Leech: 6.701m ;
3, Luff: 10.271m ; Leech: 9.971m ;

Luff Curve

13.664m,	0.000m
12.528m,	0.034m
11.273m,	0.061m
10.167m,	0.075m
8.882m,	0.080m
6.800m,	0.070m
4.441m,	0.048m
2.310m,	0.024m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.291m])		Before BSeam
100% (13.664m) :	0.000m	0.000m
90% (12.296m) :	-0.036m	0.009m
80% (10.932m) :	-0.065m	0.021m
70% (9.565m) :	-0.078m	0.040m
60% (8.199m) :	-0.077m	0.057m
50% (6.832m) :	-0.069m	0.063m
40% (5.466m) :	-0.058m	0.061m
30% (4.099m) :	-0.044m	0.056m
20% (2.733m) :	-0.029m	0.045m
10% (1.366m) :	-0.014m	0.026m
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/a	0.038m	0.015m	0.038m
Zone: 3/b	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	0.100m	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	8.96
Radial/Vertical	140.78
Bi-Radial Split	10.28

Materials

Material	Area (m ²)	Panels
CS05 LS	39.28	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, 1b\13 2\1, 2\2, 2\3, 2\4, 2\5 2b\6, 2b\5, 2b\4, 2b\3, 2b\2 2b\1, 3\1, 3\2, 3\3, 3b\4 3b\3, 3b\2, 3b\1, 4\1, 4\2 4\3, 4\4, 4\5

