

Genoa: 8000514 Adrian Bayfield 29 furlgen.des

Design Info

=====

Initial Design Date: 15/5/2024
Boat:
Bayfield 29
Client:

Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000514 Adrian B

Comments:

Design Data

=====

Genoa

Measurements

Luff geodesic:	10.260m
Leech geodesic:	9.449m
Foot geodesic:	6.096m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.579m
Upper width (HUW):	0.627m
Three-quarter width (HTW):	1.248m
Half width (HHW):	2.633m
Quarter width (HQW):	4.094m
Foot median:	9.567m
ORC Headsail area:	27.739m?
IRC Headsail area:	27.645m?
Surface area:	28.055m?
Forestay height:	10.970m
J:	4.270m

Draft Stripes

1, Luff: 3.405m ; Leech: 2.838m ;
2, Luff: 6.803m ; Leech: 6.078m ;

Luff Curve

10.258m,	0.000m
9.405m,	0.035m
8.463m,	0.063m
7.633m,	0.077m
6.668m,	0.083m
5.105m,	0.073m
3.334m,	0.049m
1.734m,	0.025m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.299m])

100% (10.258m) :	-0.000m	-0.000m
90% (9.231m) :	-0.041m	-0.008m
80% (8.208m) :	-0.074m	-0.010m
70% (7.181m) :	-0.087m	0.008m
60% (6.155m) :	-0.086m	0.035m
50% (5.129m) :	-0.077m	0.055m
40% (4.104m) :	-0.064m	0.063m
30% (3.077m) :	-0.049m	0.062m
20% (2.052m) :	-0.033m	0.049m
10% (1.025m) :	-0.017m	0.026m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Genoa: 8000514 Adrian Bayfield 29 furlgen.des

Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.030m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.025m	0.025m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.000m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.070m	0.070m	0.100m

Total Seam Lengths (m)

Horizontal	21.15
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	28.14	1,2,3,4,5 6,7,8

