

Genoa: 8000928 Rob-2 Farr 1220 furlgen.des

Design Info

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Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000928 Rob Farr

Initial Design Date: 9/10/2024

Boat:

Farr 1220

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	13.660m
Leech geodesic:	13.300m
Foot geodesic:	6.500m
Headboard width:	0.045m
Luff perpendicular (HLP):	6.257m
Upper width (HUW):	0.704m
Three-quarter width (HTW):	1.408m
Half width (HHW):	2.955m
Quarter width (HQW):	4.587m
Foot median:	13.284m
ORC Headsail area:	41.441m?
IRC Headsail area:	41.314m?
Surface area:	41.743m?
Forestay height:	14.070m
J:	4.300m

Draft Stripes

1, Luff: 3.430m ; Leech: 3.338m ;
2, Luff: 6.859m ; Leech: 6.665m ;
3, Luff: 10.275m ; Leech: 9.958m ;

Luff Curve

13.657m,	0.000m
12.523m,	0.046m
11.267m,	0.084m
10.162m,	0.103m
8.878m,	0.110m
6.796m,	0.097m
4.439m,	0.066m
2.308m,	0.033m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.317m])

100% (13.658m) :	0.000m	-0.000m
90% (12.290m) :	-0.052m	-0.009m
80% (10.928m) :	-0.089m	-0.006m
70% (9.561m) :	-0.108m	0.007m
60% (8.195m) :	-0.109m	0.027m
50% (6.829m) :	-0.099m	0.046m
40% (5.463m) :	-0.083m	0.059m
30% (4.097m) :	-0.063m	0.062m
20% (2.732m) :	-0.042m	0.053m
10% (1.365m) :	-0.021m	0.031m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.040m	0.016m	0.040m
Zone: 1/b	0.040m	0.016m	0.040m
Zone: 2/a	0.040m	0.016m	0.040m
Zone: 2/b	0.040m	0.016m	0.040m
Zone: 3/a	0.040m	0.016m	0.040m
Zone: 3/b	0.040m	0.016m	0.040m
Zone: 4	0.040m	0.016m	0.040m
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

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

Total Seam Lengths (m)

Horizontal	9.70
Radial/Vertical	144.64
Bi-Radial Split	10.23

Materials

Material	Area (m ²)	Panels
Material 1	41.79	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

