

Genoa: 7000337 Gavin Bob Oram Cat 55 Genoa.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\7000337 Gavin\7000337 Gav

Initial Design Date: 5/4/2023

Boat:

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	14.216m
Leech geodesic:	12.624m
Foot geodesic:	6.293m
Headboard width:	0.033m
Luff perpendicular (HLP):	5.616m
Upper width (HUW):	0.620m
Three-quarter width (HTW):	1.235m
Half width (HHW):	2.576m
Quarter width (HQW):	4.049m
Foot median:	12.947m
ORC Headsail area:	38.150m?
IRC Headsail area:	38.086m?
Surface area:	36.591m?
Forestay height:	14.480m
J:	4.320m

Draft Stripes

1, Luff: 4.712m ; Leech: 3.360m ;
2, Luff: 9.415m ; Leech: 7.913m ;

Luff Curve

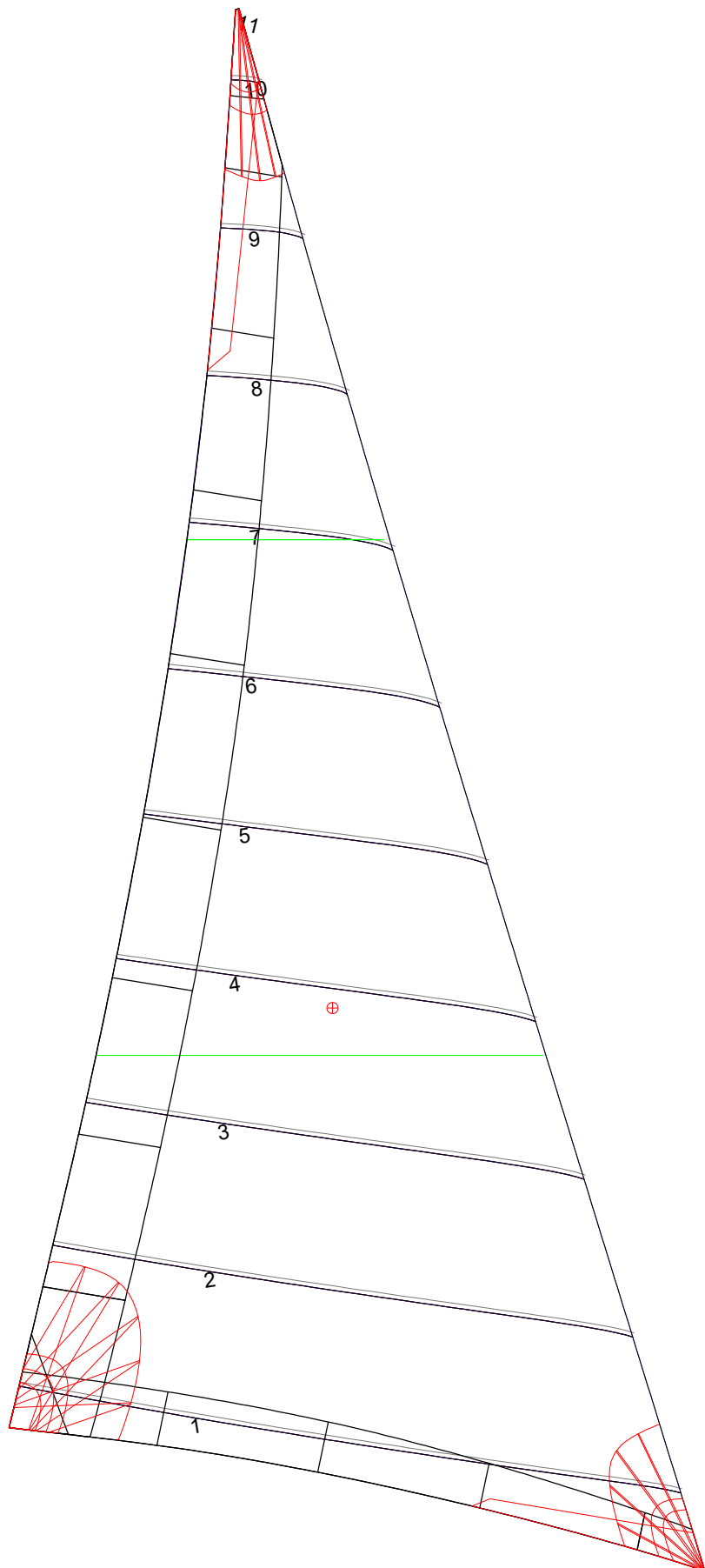
14.213m,	0.000m
13.032m,	0.048m
11.726m,	0.087m
10.576m,	0.107m
9.239m,	0.115m
7.073m,	0.101m
4.619m,	0.068m
2.402m,	0.034m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.303m])

100% (14.213m) :	0.000m	0.000m
90% (12.793m) :	-0.055m	-0.003m
80% (11.372m) :	-0.094m	0.001m
70% (9.950m) :	-0.114m	0.010m
60% (8.529m) :	-0.117m	0.020m
50% (7.107m) :	-0.106m	0.031m
40% (5.686m) :	-0.088m	0.038m
30% (4.264m) :	-0.066m	0.037m
20% (2.843m) :	-0.044m	0.035m
10% (1.421m) :	-0.022m	0.026m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.038m	0.038m	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

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

Total Seam Lengths (m)

Horizontal	29.86
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	37.25	1,2,3,4,5 6,7,8,9,10 11