

Genoa: 8000432 Franklin-1 Marples CC37 HeadsailV2.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000432 Franklin

Initial Design Date: 7/5/2024
Boat:
Marples CC37

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	12.970m
Leech geodesic:	12.493m
Foot geodesic:	5.239m
Headboard width:	0.050m
Luff perpendicular (HLP):	5.029m
Upper width (HUW):	0.567m
Three-quarter width (HTW):	1.114m
Half width (HHW):	2.319m
Quarter width (HQW):	3.642m
Foot median:	12.603m
ORC Headsail area:	31.303m?
IRC Headsail area:	31.213m?
Surface area:	31.378m?
Forestay height:	13.462m
J:	4.572m

Draft Stripes

1, Luff: 4.302m ; Leech: 4.226m ;
2, Luff: 8.596m ; Leech: 8.281m ;

Luff Curve

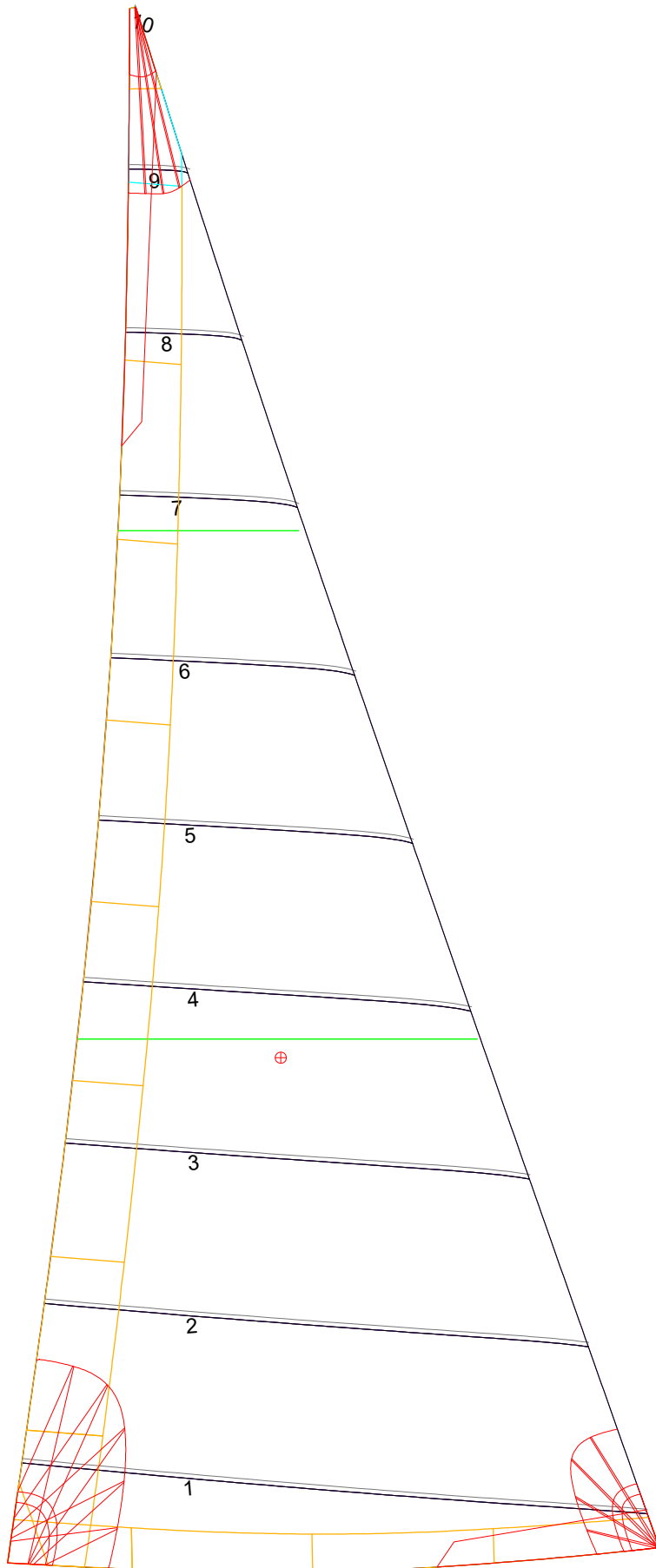
12.967m,	0.000m
11.889m,	0.046m
10.698m,	0.083m
9.649m,	0.102m
8.429m,	0.110m
6.453m,	0.096m
4.214m,	0.065m
2.192m,	0.033m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.259m])

100% (12.967m) :	0.000m	0.000m
90% (11.669m) :	-0.048m	-0.013m
80% (10.376m) :	-0.083m	-0.018m
70% (9.078m) :	-0.101m	-0.013m
60% (7.781m) :	-0.104m	-0.002m
50% (6.484m) :	-0.096m	0.011m
40% (5.187m) :	-0.081m	0.020m
30% (3.890m) :	-0.063m	0.024m
20% (2.594m) :	-0.043m	0.023m
10% (1.295m) :	-0.022m	0.016m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.035m
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	0.100m	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	24.22
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	31.46	1,2,3,4,5 6,7,8,9,10