

# Genoa: 8000432 Franklin-1 Marples CC37 Headsail.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: 2/5/2024  
Boat:  
Marples CC37

Comments:

Client:

Design Data  
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Genoa

Measurements

Luff geodesic: 13.579m  
Leech geodesic: 13.141m  
Foot geodesic: 5.214m  
Headboard width: 0.050m  
Luff perpendicular (HLP): 5.029m  
Upper width (HUW): 0.567m  
Three-quarter width (HTW): 1.113m  
Half width (HHW): 2.319m  
Quarter width (HQW): 3.642m  
Foot median: 13.246m  
ORC Headsail area: 32.770m?  
IRC Headsail area: 32.676m?  
Surface area: 32.832m?  
Forestay height: 13.462m  
J: 4.572m

Draft Stripes

1, Luff: 4.503m ; Leech: 4.497m ;  
2, Luff: 8.998m ; Leech: 8.737m ;

Luff Curve

13.576m, 0.000m  
12.448m, 0.046m  
11.200m, 0.083m  
10.102m, 0.102m  
8.825m, 0.110m  
6.756m, 0.096m  
4.412m, 0.065m  
2.295m, 0.033m  
0.000m, 0.000m

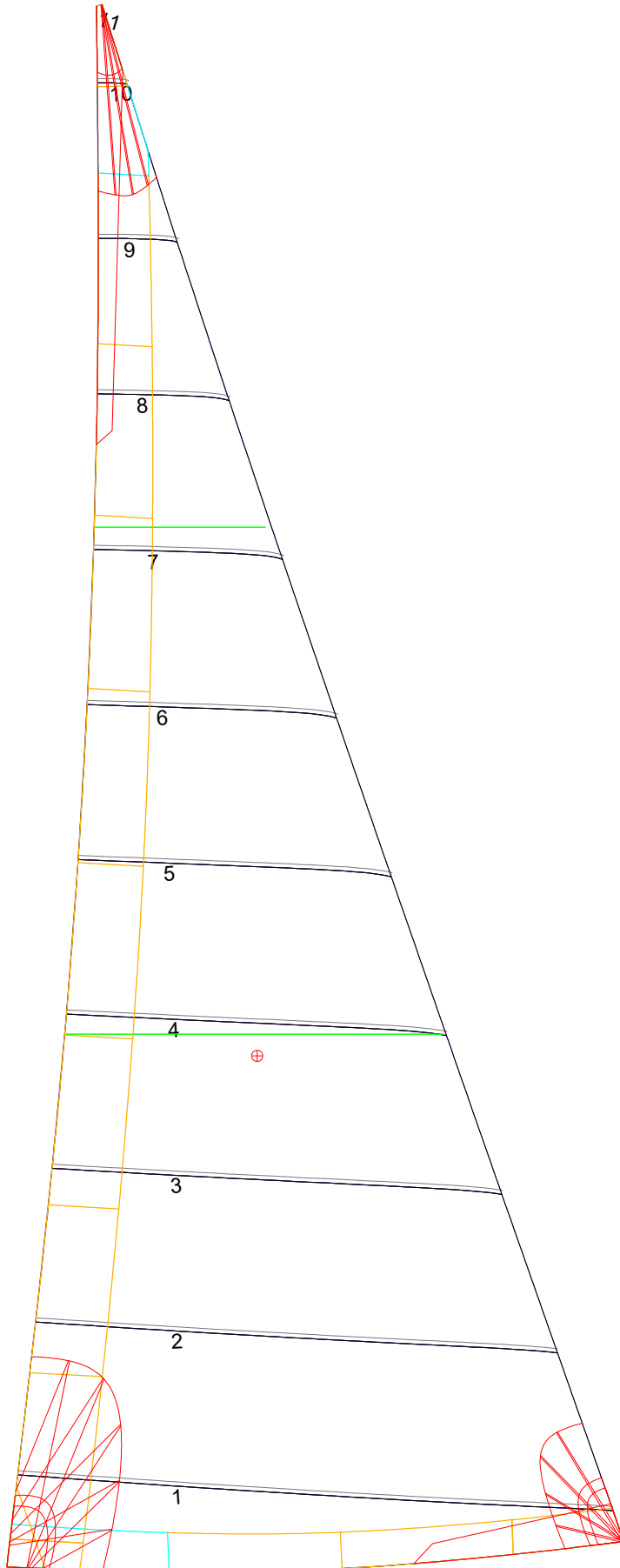
Fanned Luff (@ 5.00% [0.258m])

100% (13.577m) : 0.000m  
90% (12.217m) : -0.048m  
80% (10.864m) : -0.083m  
70% (9.504m) : -0.100m  
60% (8.147m) : -0.103m  
50% (6.789m) : -0.095m  
40% (5.431m) : -0.081m  
30% (4.073m) : -0.063m  
20% (2.716m) : -0.043m  
10% (1.356m) : -0.022m  
0% (0.000m) : 0.000m

Before BSeam

0.000m  
-0.014m  
-0.019m  
-0.014m  
-0.002m  
0.010m  
0.019m  
0.023m  
0.023m  
0.016m  
0.000m

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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	0.025m	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	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

## Total Seam Lengths (m)

Horizontal	25.48
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	32.92	1,2,3,4,5 6,7,8,9,10 11