

# Genoa: 7001017 Frank -1 Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001017 Frank\700

Initial Design Date: 31/10/2023  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	13.090m
Leech geodesic:	12.840m
Foot geodesic:	6.000m
Headboard width:	0.030m
Luff perpendicular (HLP):	5.807m
Upper width (HUW):	0.631m
Three-quarter width (HTW):	1.271m
Half width (HHW):	2.682m
Quarter width (HQW):	4.223m
Foot median:	12.861m
ORC Headsail area:	36.455m?
IRC Headsail area:	36.320m?
Surface area:	36.855m?
Forestay height:	13.460m
J:	3.590m

### Draft Stripes

- 1, Luff: 6.569m ; Leech: 6.412m ;
- 2, Luff: 3.285m ; Leech: 3.174m ;
- 3, Luff: 9.842m ; Leech: 9.604m ;

### Luff Curve

13.088m,	0.000m
12.000m,	0.044m
10.797m,	0.080m
9.738m,	0.099m
8.507m,	0.106m
6.513m,	0.093m
4.253m,	0.063m
2.212m,	0.031m
0.000m,	0.000m

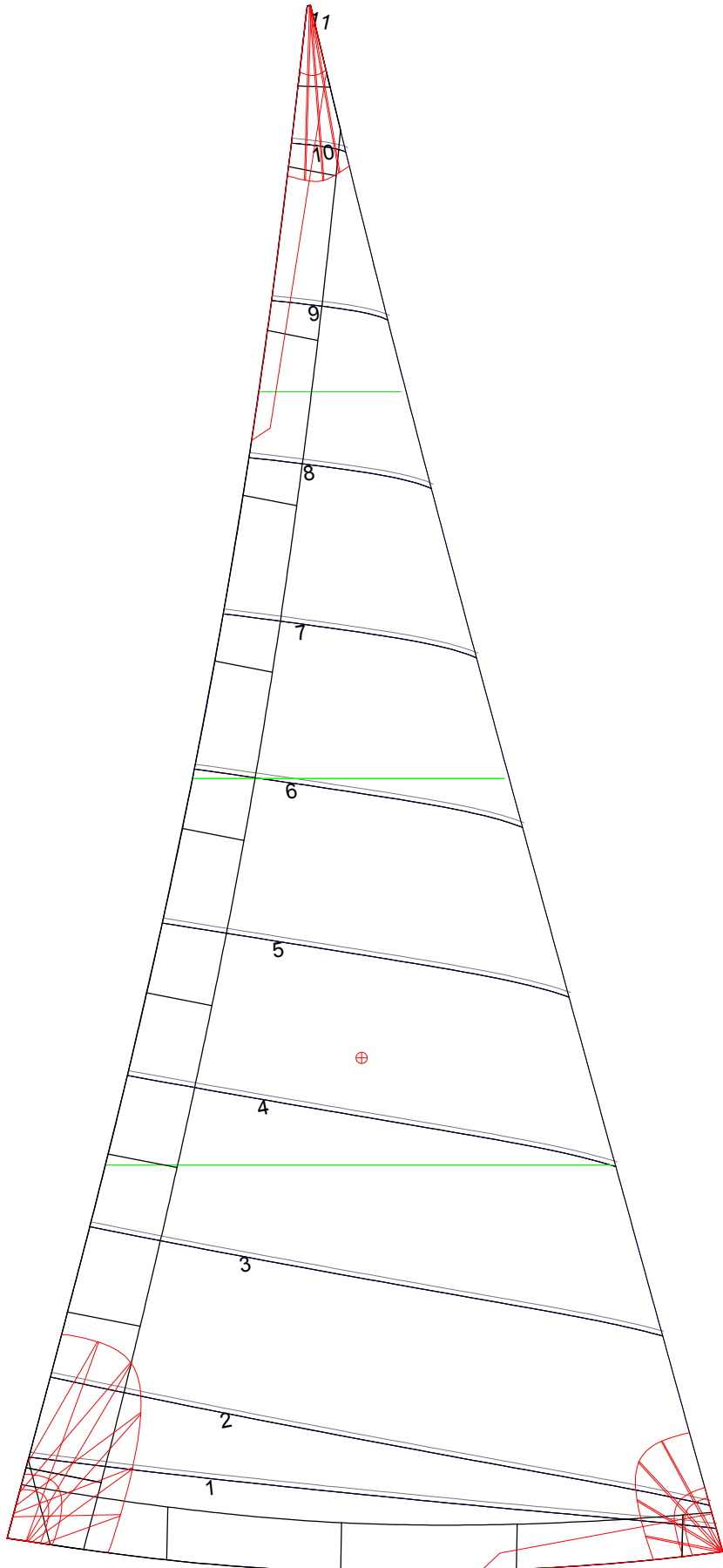
### Fanned Luff (@ 5.00% [0.293m])

100% (13.088m) :	0.000m
90% (11.778m) :	-0.050m
80% (10.472m) :	-0.085m
70% (9.162m) :	-0.102m
60% (7.853m) :	-0.103m
50% (6.544m) :	-0.094m
40% (5.235m) :	-0.078m
30% (3.926m) :	-0.060m
20% (2.618m) :	-0.040m
10% (1.308m) :	-0.020m
0% (0.000m) :	-0.000m

### Before BSeam

0.000m
-0.011m
-0.010m
0.001m
0.018m
0.036m
0.049m
0.053m
0.046m
0.027m
0.000m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.040m	0.040m	0.040m
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
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	32.55
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	36.92	1,2,3,4,5 6,7,8,9,10 11