

# Genoa: 7001018 Stephanie HeadsailV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001018 Stephanie

Initial Design Date: 3/11/2023  
Boat:

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic:	13.720m
Leech geodesic:	13.122m
Foot geodesic:	6.771m
Headboard width:	0.033m
Luff perpendicular (HLP):	6.435m
Upper width (HUW):	0.714m
Three-quarter width (HTW):	1.436m
Half width (HHW):	3.005m
Quarter width (HQW):	4.702m
Foot median:	13.206m
ORC Headsail area:	42.599m?
IRC Headsail area:	42.453m?
Surface area:	42.959m?
Forestay height:	14.350m
J:	4.290m

## Draft Stripes

1, Luff: 3.445m ; Leech: 3.046m ;  
2, Luff: 6.889m ; Leech: 6.422m ;  
3, Luff: 10.319m ; Leech: 9.746m ;

## Luff Curve

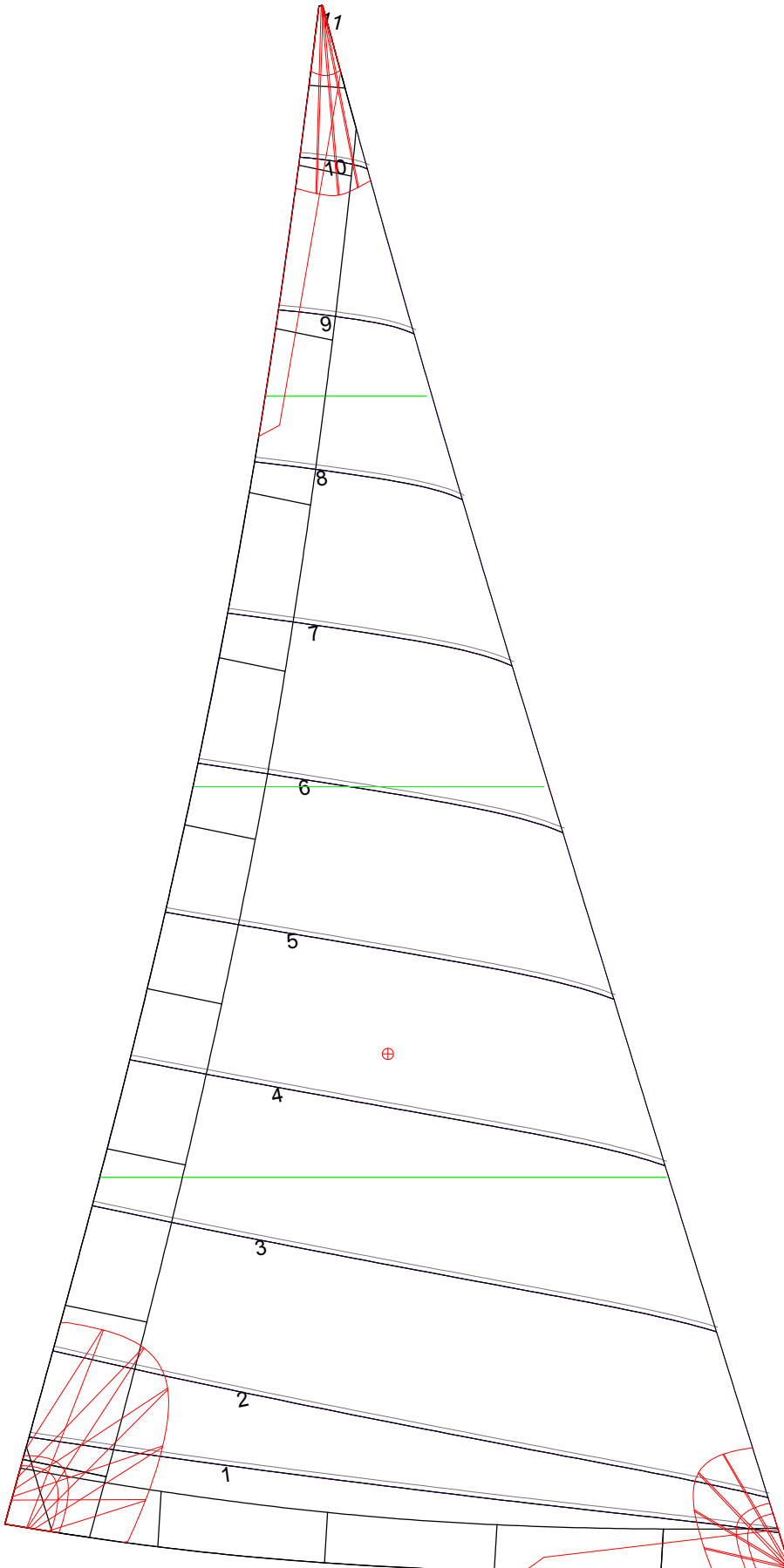
13.717m,	0.000m
12.577m,	0.046m
11.317m,	0.084m
10.207m,	0.103m
8.917m,	0.111m
6.826m,	0.097m
4.458m,	0.066m
2.319m,	0.033m
0.000m,	0.000m

## Fanned Luff (@ 5.00% [0.330m])

100% (13.717m) :	-0.000m	-0.000m
90% (12.345m) :	-0.053m	-0.008m
80% (10.976m) :	-0.091m	-0.004m
70% (9.603m) :	-0.111m	0.011m
60% (8.231m) :	-0.112m	0.031m
50% (6.859m) :	-0.102m	0.050m
40% (5.487m) :	-0.085m	0.064m
30% (4.115m) :	-0.065m	0.067m
20% (2.744m) :	-0.044m	0.058m
10% (1.371m) :	-0.022m	0.034m
0% (0.000m) :	0.000m	0.000m

## Before BSeam

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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

	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	36.98
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	43.03	1,2,3,4,5 6,7,8,9,10 11