

# Genoa: 7000328 Stephen-2 Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000328 Stephen\7000328 Stephen-2 Headsail.des

Initial Design Date: 8/6/2023  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	11.718m
Leech geodesic:	11.181m
Foot geodesic:	4.969m
Headboard width:	0.030m
Luff perpendicular (HLP):	4.732m
Upper width (HUW):	0.525m
Three-quarter width (HTW):	1.044m
Half width (HHW):	2.180m
Quarter width (HQW):	3.425m
Foot median:	11.331m
ORC Headsail area:	26.572m?
IRC Headsail area:	26.507m?
Surface area:	26.714m?
Forestay height:	12.497m
J:	3.505m

### Draft Stripes

1, Luff: 3.883m ; Leech: 3.523m ;  
2, Luff: 7.759m ; Leech: 7.284m ;

### Luff Curve

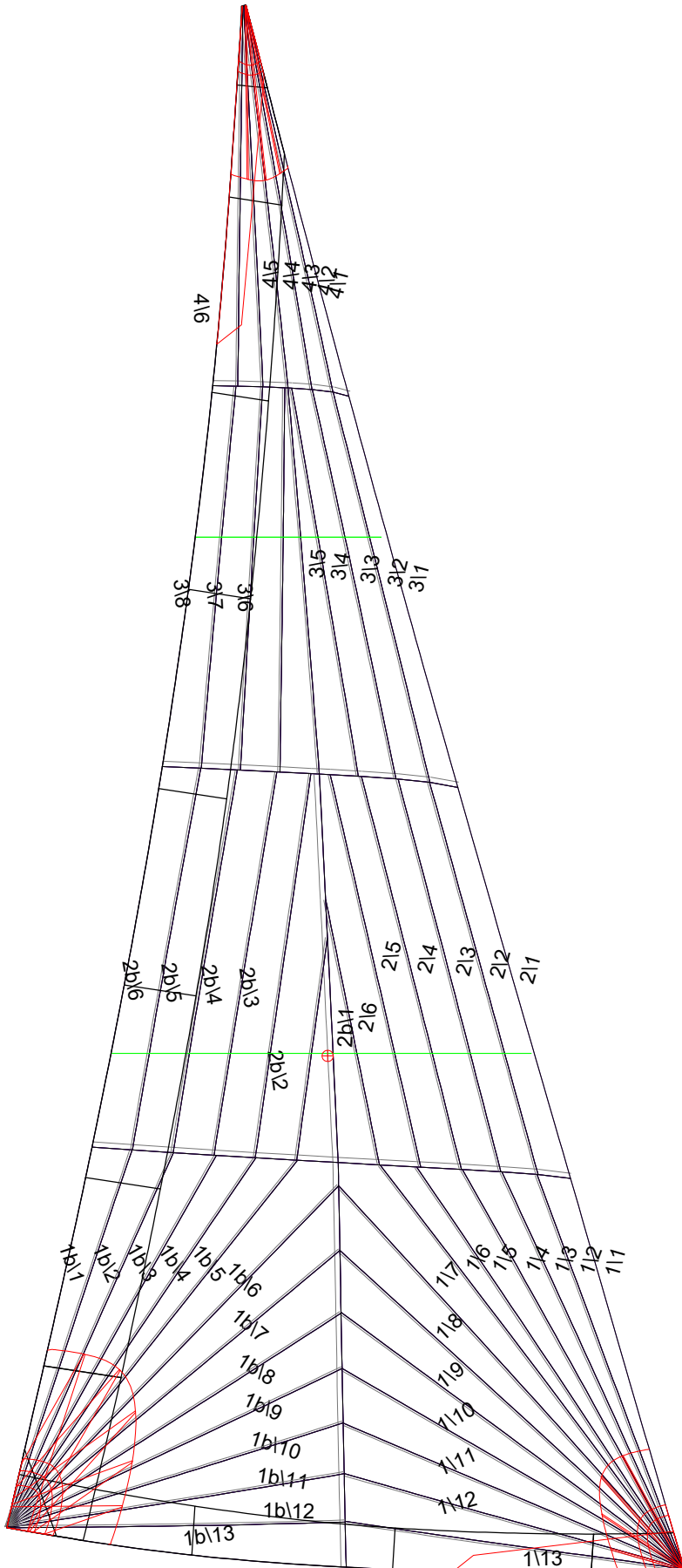
11.716m,	0.000m
10.742m,	0.040m
9.665m,	0.072m
8.718m,	0.088m
7.615m,	0.095m
5.830m,	0.083m
3.808m,	0.056m
1.980m,	0.028m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.244m])

100% (11.716m) :	0.000m	-0.000m
90% (10.544m) :	-0.043m	-0.002m
80% (9.374m) :	-0.075m	0.001m
70% (8.202m) :	-0.091m	0.008m
60% (7.030m) :	-0.093m	0.016m
50% (5.858m) :	-0.085m	0.024m
40% (4.687m) :	-0.071m	0.030m
30% (3.515m) :	-0.055m	0.032m
20% (2.344m) :	-0.037m	0.027m
10% (1.171m) :	-0.019m	0.017m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.038m
Zone: 1/b	0.038m	0.015m	0.038m
Zone: 2/a	0.038m	0.015m	0.038m
Zone: 2/b	0.038m	0.015m	0.038m
Zone: 3	0.038m	0.015m	0.038m
Zone: 4	0.038m	0.015m	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

	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	6.97
Radial/Vertical	134.70
Bi-Radial Split	6.03

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	26.75	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,1b\9,1b\10,1b\11,1b\12 1b\13,2\1,2\2,2\3,2\4 2\5,2\6,2b\1,2b\2,2b\3 2b\4,2b\5,2b\6,3\1,3\2 3\3,3\4,3\5,3\6,3\7 3\8,4\1,4\2,4\3,4\4 4\5,4\6