

Genoa: 7000506 Stephen Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000506 Stephen\7000506 Stephen

Initial Design Date: 27/5/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	47.438Ft
Leech geodesic:	45.135Ft
Foot geodesic:	23.247Ft
Headboard width:	0.121Ft
Luff perpendicular (HLP):	22.005Ft
Upper width (HUW):	2.406Ft
Three-quarter width (HTW):	4.818Ft
Half width (HHW):	10.198Ft
Quarter width (HQW):	15.962Ft
Foot median:	45.525Ft
ORC Headsail area:	500.653Ft?
IRC Headsail area:	499.508Ft?
Surface area:	503.690Ft?
Forestay height:	49.500Ft
J:	16.300Ft

Draft Stripes

1, Luff: 11.916Ft ; Leech: 10.724Ft ;
2, Luff: 23.828Ft ; Leech: 22.237Ft ;
3, Luff: 35.689Ft ; Leech: 33.555Ft ;

Luff Curve

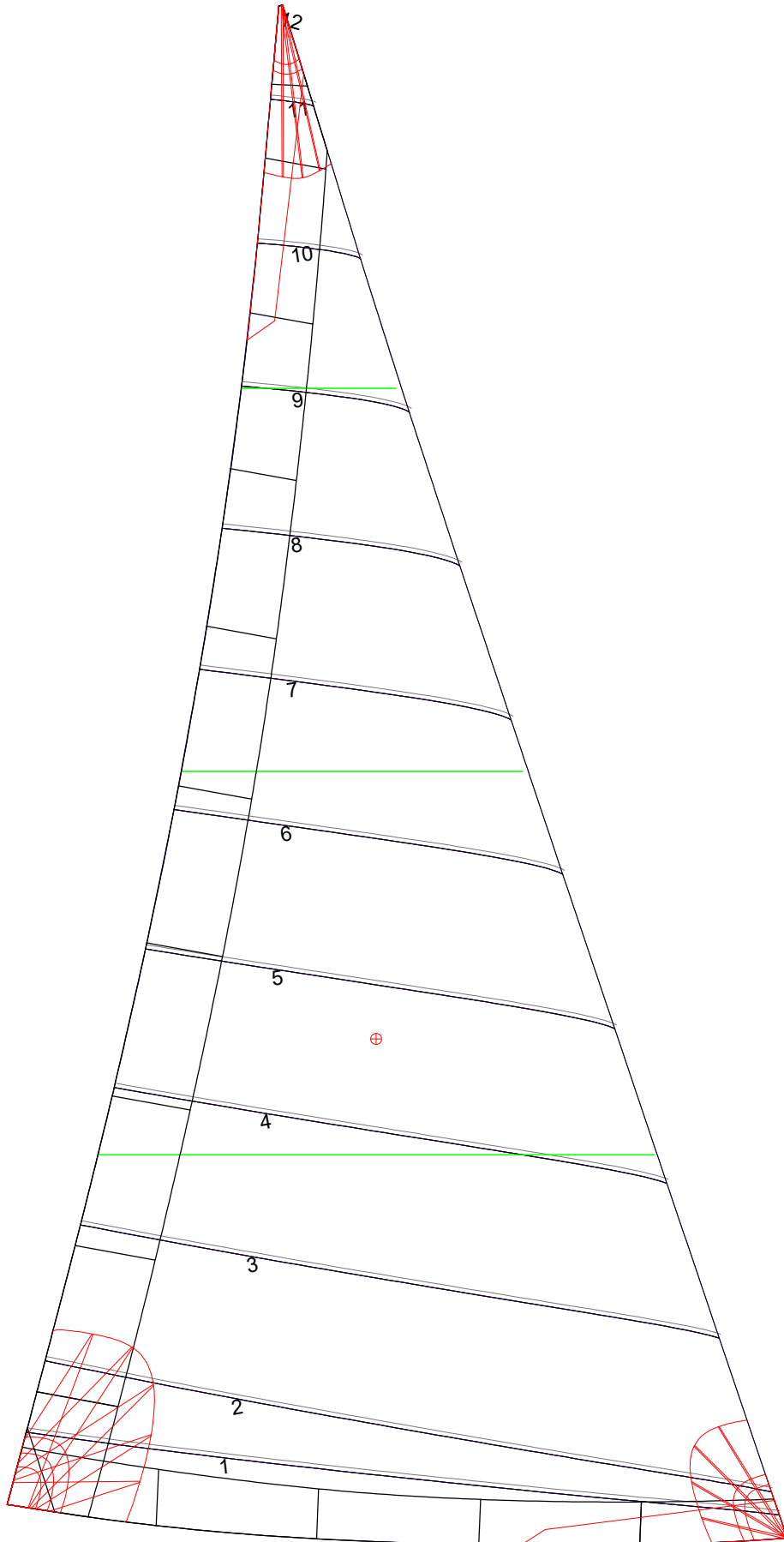
47.428Ft,	0.000Ft
43.487Ft,	0.161Ft
39.128Ft,	0.291Ft
35.291Ft,	0.358Ft
30.830Ft,	0.383Ft
23.602Ft,	0.336Ft
15.414Ft,	0.228Ft
8.017Ft,	0.114Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [1.147Ft])

100% (47.429Ft) :	0.000Ft	0.000Ft
90% (42.683Ft) :	-0.171Ft	-0.022Ft
80% (37.950Ft) :	-0.314Ft	-0.020Ft
70% (33.203Ft) :	-0.376Ft	0.043Ft
60% (28.460Ft) :	-0.375Ft	0.122Ft
50% (23.716Ft) :	-0.342Ft	0.170Ft
40% (18.973Ft) :	-0.288Ft	0.189Ft
30% (14.229Ft) :	-0.221Ft	0.191Ft
20% (9.488Ft) :	-0.150Ft	0.169Ft
10% (4.739Ft) :	-0.079Ft	0.104Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.128Ft	0.128Ft	0.128Ft
Cover 1	0.082Ft	0.082Ft	0.082Ft
Cover 2	0.082Ft	0.082Ft	0.082Ft
Cover 3	0.000Ft	0.000Ft	0.000Ft
Cover 4	0.000Ft	0.000Ft	0.000Ft

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft
Cover 0	0.230Ft	0.328Ft	0.230Ft
Cover 1	0.230Ft	0.230Ft	0.328Ft
Cover 2	0.000Ft	0.230Ft	0.230Ft
Cover 3	0.000Ft	0.230Ft	0.230Ft

Total Seam Lengths (Ft)

Horizontal	135.54
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	505.04	1,2,3,4,5 6,7,8,9,10 11,12