

Genoa: 7000508 Christopher Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000508 Christopher

Initial Design Date: 24/5/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 39.600Ft
Leech geodesic: 38.829Ft
Foot geodesic: 19.160Ft
Headboard width: 0.098Ft
Luff perpendicular (HLP): 18.490Ft
Upper width (HUW): 2.026Ft
Three-quarter width (HTW): 4.063Ft
Half width (HHW): 8.594Ft
Quarter width (HQW): 13.436Ft
Foot median: 38.638Ft
ORC Headsail area: 351.714Ft?
IRC Headsail area: 350.866Ft?
Surface area: 353.693Ft?
Forestay height: 42.500Ft
J: 12.800Ft

Draft Stripes

1, Luff: 13.125Ft ; Leech: 12.947Ft ;
2, Luff: 26.229Ft ; Leech: 25.653Ft ;

Luff Curve

39.592Ft, 0.000Ft
36.302Ft, 0.134Ft
32.664Ft, 0.243Ft
29.461Ft, 0.299Ft
25.736Ft, 0.320Ft
19.703Ft, 0.281Ft
12.868Ft, 0.191Ft
6.692Ft, 0.095Ft
0.000Ft, 0.000Ft

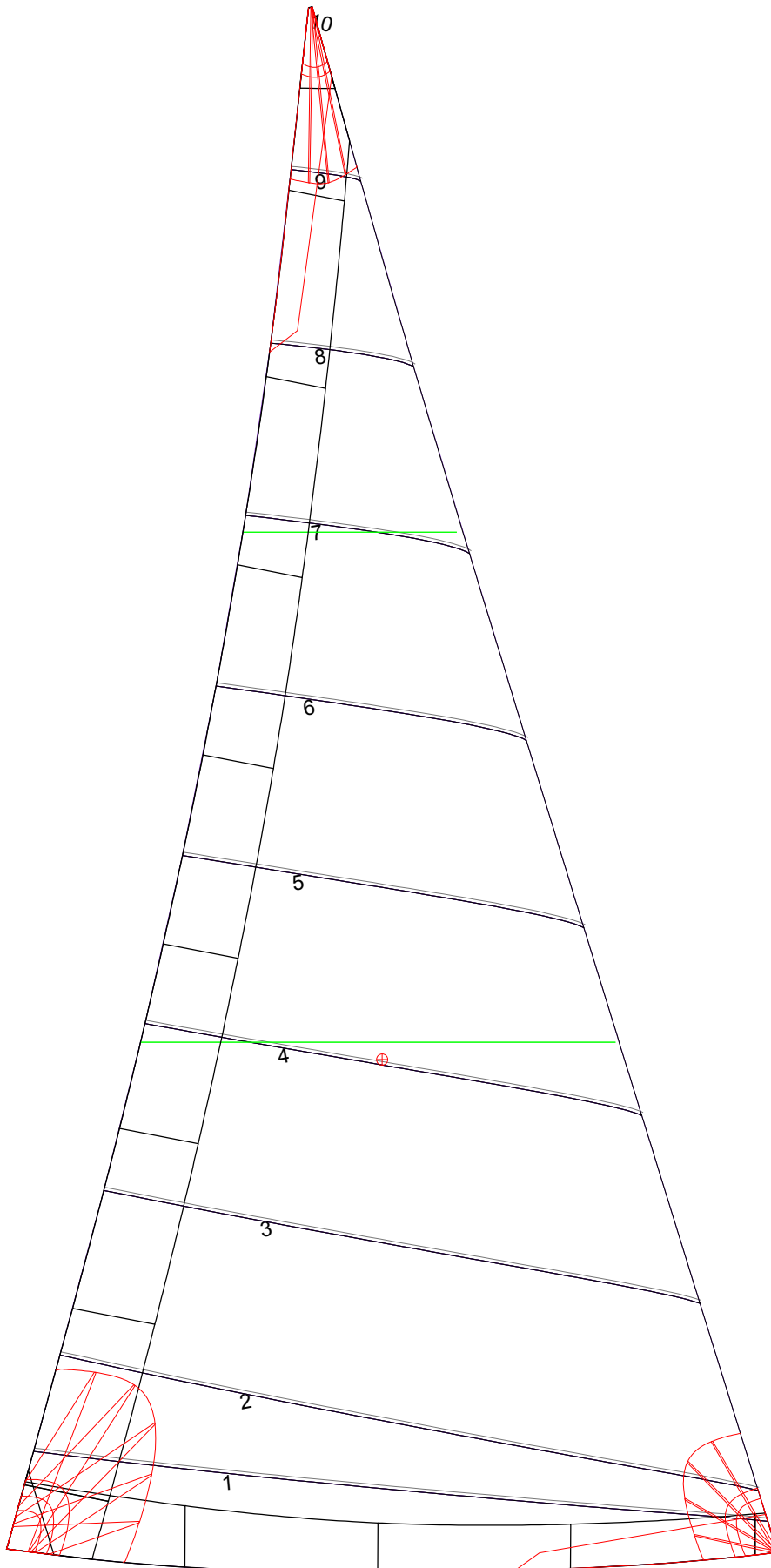
Fanned Luff (@ 5.00% [0.946Ft])

100% (39.593Ft) : -0.000Ft
90% (35.630Ft) : -0.141Ft
80% (31.680Ft) : -0.258Ft
70% (27.717Ft) : -0.310Ft
60% (23.758Ft) : -0.309Ft
50% (19.798Ft) : -0.283Ft
40% (15.838Ft) : -0.238Ft
30% (11.878Ft) : -0.184Ft
20% (7.921Ft) : -0.124Ft
10% (3.956Ft) : -0.066Ft
0% (0.000Ft) : 0.000Ft

Before BSeam

-0.000Ft
-0.019Ft
-0.019Ft
0.031Ft
0.095Ft
0.134Ft
0.149Ft
0.152Ft
0.134Ft
0.082Ft
0.000Ft

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.082Ft	0.082Ft	0.082Ft
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

	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	94.70
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	354.70	1,2,3,4,5 6,7,8,9,10