

Genoa: 4000702 Gillbert-2 headsail R1

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2020\4000702 Gillbert-1-2\4000702 Gillbert-2 headsail R1

Initial Design Date: 14/7/2020
Boat:

Comments:
tack height off deck 16inch
clew height off deck 14.7 inch

Client:

LP%%=110%. luff=36.77 ft, leech=35.46ft, foot=13.91ft

Design Data
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Genoa

Measurements

Luff geodesic: 36.770Ft
Leech geodesic: 35.460Ft
Foot geodesic: 13.910Ft
Headboard width: 0.098Ft
Luff perpendicular (HLP): 13.472Ft
Upper width (HUW): 1.654Ft
Three-quarter width (HTW): 3.241Ft
Half width (HHW): 6.587Ft
Quarter width (HQW): 10.057Ft
Foot median: 35.926Ft
ORC Headsail area: 245.182Ft?
IRC Headsail area: 244.612Ft?
Surface area: 247.884Ft?
Forestay height: 38.680Ft
J: 12.070Ft

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	3.773Ft	-0.161Ft	159.106?	1965.053Ft	28.255Ft	
60.000%	4.265Ft	-0.245Ft	159.106?	3820.829Ft	21.191Ft	
40.000%	4.265Ft	-0.245Ft	159.106?	5676.634Ft	14.127Ft	
20.000%	3.281Ft	-0.161Ft	159.106?	7532.410Ft	7.064Ft	

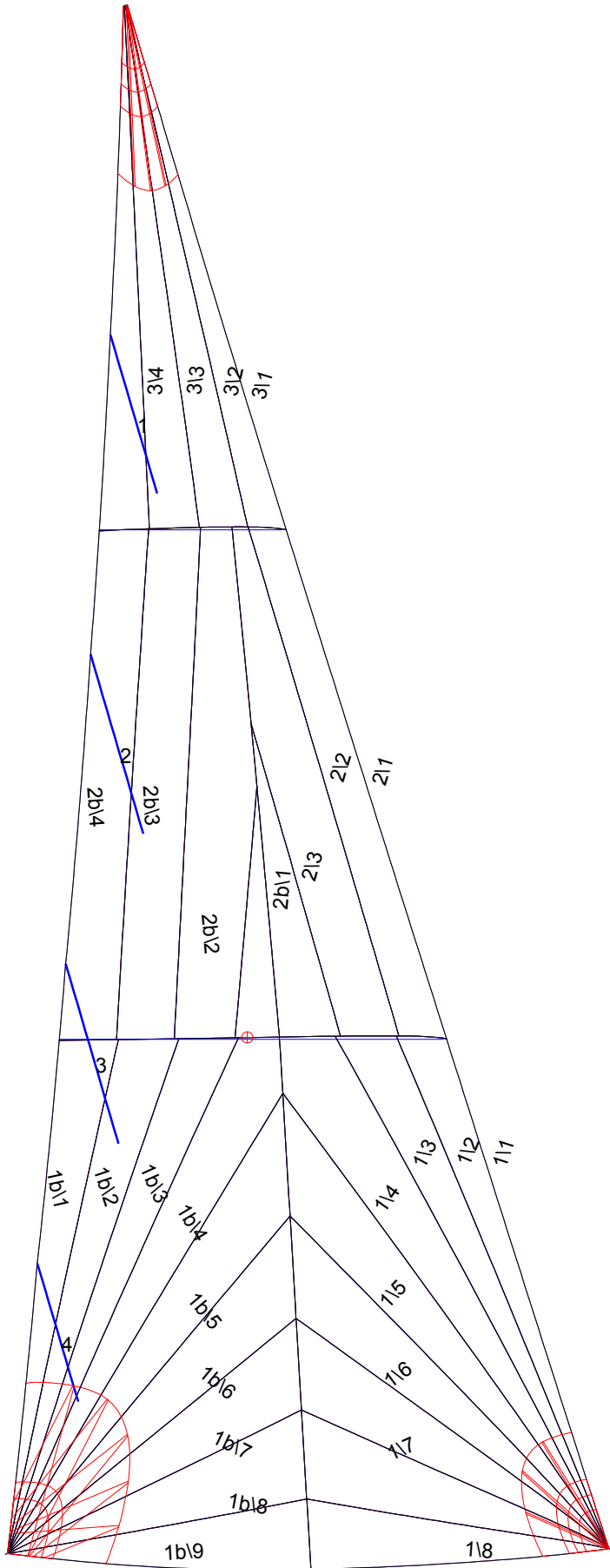
Draft Stripes

1, Luff: 12.177Ft ; Leech: 11.816Ft ;
2, Luff: 24.326Ft ; Leech: 23.404Ft ;

Luff Curve

		Fanned Luff (@ 5.00% [0.684Ft])	Before BSeam
36.767Ft,	0.000Ft	100% (36.768Ft) :	-0.000Ft
28.495Ft,	0.157Ft	90% (33.088Ft) :	-0.075Ft
20.222Ft,	0.189Ft	80% (29.417Ft) :	-0.140Ft
10.111Ft,	0.116Ft	70% (25.737Ft) :	-0.177Ft
0.000Ft,	0.000Ft	60% (22.061Ft) :	-0.187Ft
		50% (18.384Ft) :	-0.178Ft
		40% (14.707Ft) :	-0.155Ft
		30% (11.030Ft) :	-0.124Ft
		20% (7.355Ft) :	-0.087Ft
		10% (3.674Ft) :	-0.046Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.082Ft	0.043Ft	0.082Ft
Zone: 1/b	0.082Ft	0.043Ft	0.082Ft
Zone: 2/a	0.082Ft	0.043Ft	0.082Ft
Zone: 2/b	0.082Ft	0.043Ft	0.082Ft
Zone: 3	0.082Ft	0.043Ft	0.082Ft

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft

Total Seam Lengths (Ft)

Horizontal	13.85
Radial/Vertical	242.12
Bi-Radial Split	24.51

Materials

Material	Area (Ft ²)	Panels
Material 1	248.11	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,1b\9,2\1,2\2,2\3 2b\1,2b\2,2b\3,2b\4,3\1 3\2,3\3,3\4

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