

Genoa: 7000116 Barry headsail.des

Design Info
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Design File:
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Initial Design Date: 31/1/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 33.000Ft
 Leech geodesic: 32.000Ft
 Foot geodesic: 17.000Ft
 Headboard width: 0.098Ft
 Luff perpendicular (HLP): 16.228Ft
 Upper width (HUW): 1.868Ft
 Three-quarter width (HTW): 3.710Ft
 Half width (HHW): 7.658Ft
 Quarter width (HQW): 11.873Ft
 Foot median: 32.024Ft
 ORC Headsail area: 259.865Ft?
 IRC Headsail area: 259.311Ft?
 Surface area: 263.069Ft?
 Forestay height: 34.500Ft
 J: 11.300Ft

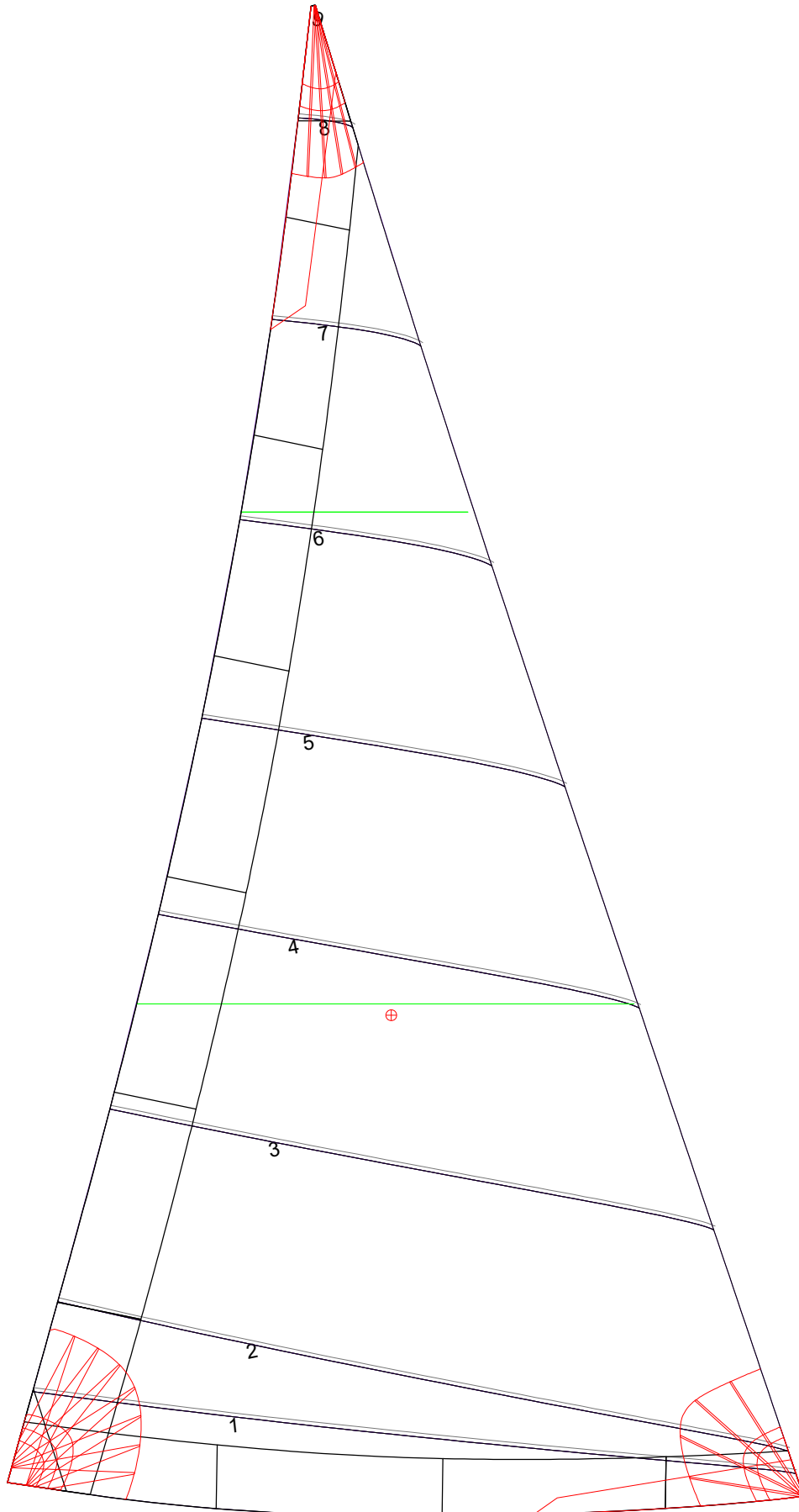
Draft Stripes

1, Luff: 10.942Ft ; Leech: 10.519Ft ;
 2, Luff: 21.865Ft ; Leech: 21.045Ft ;

Luff Curve

		Fanned Luff (@ 5.00% [0.837Ft])	Before BSeam
32.994Ft,	0.000Ft	100% (32.995Ft) :	0.000Ft
30.252Ft,	0.112Ft	90% (29.692Ft) :	0.011Ft
27.220Ft,	0.202Ft	80% (26.400Ft) :	0.029Ft
24.550Ft,	0.249Ft	70% (23.097Ft) :	0.059Ft
21.447Ft,	0.267Ft	60% (19.798Ft) :	0.094Ft
16.419Ft,	0.234Ft	50% (16.498Ft) :	0.124Ft
10.723Ft,	0.159Ft	40% (13.199Ft) :	0.136Ft
5.577Ft,	0.079Ft	30% (9.898Ft) :	0.126Ft
0.000Ft,	0.000Ft	20% (6.600Ft) :	0.102Ft
		10% (3.297Ft) :	0.064Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000Ft	0.000Ft	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

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

Total Seam Lengths (Ft)

Horizontal	75.26
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	263.83	1,2,3,4,5 6,7,8,9