

Genoa: 7001218 Antoine-1 Hanks HeadsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001218 Antoine\7001218 Antoine

Initial Design Date: 28/12/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 11.330m
Leech geodesic: 10.690m
Foot geodesic: 3.500m
Headboard width: 0.055m
Luff perpendicular (HLP): 3.298m
Upper width (HUW): 0.536m
Three-quarter width (HTW): 1.005m
Half width (HHW): 1.793m
Quarter width (HQW): 2.544m
Foot median: 11.051m
ORC Headsail area: 19.771m?
IRC Headsail area: 19.853m?
Surface area: 20.178m?
Forestay height: 11.290m
J: 3.300m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
76.555%	0.998m	0.153m	88.728?	8.714m	8.164m	Full
51.319%	0.850m	0.128m	88.728?	5.915m	5.473m	
25.092%	0.850m	0.058m	88.728?	3.006m	2.676m	

Draft Stripes

1, Luff: 3.755m ; Leech: 3.384m ;
2, Luff: 7.496m ; Leech: 6.969m ;

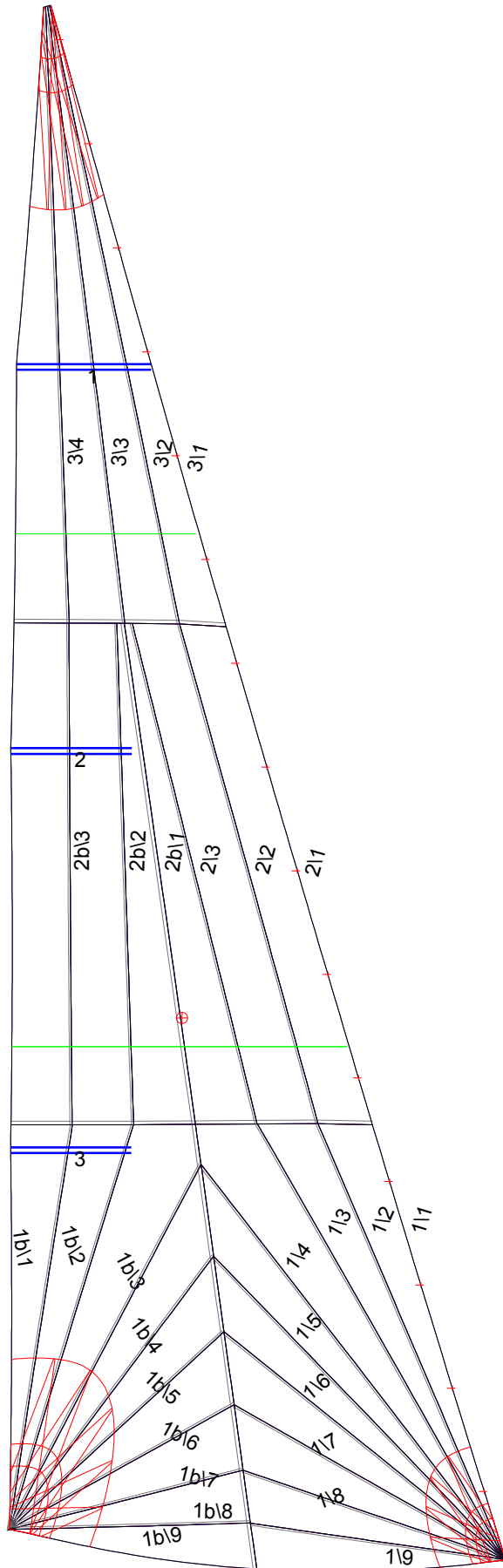
Luff Slides

1, Position: 0.500m
2, Position: 1.256m
3, Position: 2.011m
4, Position: 2.767m
5, Position: 3.523m
6, Position: 4.279m
7, Position: 5.034m
8, Position: 5.790m
9, Position: 6.546m
10, Position: 7.301m
11, Position: 8.057m
12, Position: 8.813m
13, Position: 9.569m
14, Position: 10.324m
15, Position: 11.080m

Luff Curve

		Fanned Luff (@ 5.00% [0.173m])	Before BSeam
11.329m,	0.000m	100% (11.329m) :	0.000m
9.057m,	0.048m	90% (10.195m) :	-0.023m
6.787m,	0.066m	80% (9.064m) :	-0.046m
4.521m,	0.060m	70% (7.930m) :	-0.061m
2.258m,	0.038m	60% (6.798m) :	-0.067m
0.000m,	0.000m	50% (5.664m) :	-0.068m
		40% (4.532m) :	-0.064m
		30% (3.398m) :	-0.056m
		20% (2.266m) :	-0.042m
		10% (1.131m) :	-0.023m
		0% (0.000m) :	-0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	4.15
Radial/Vertical	67.86
Bi-Radial Split	6.86

Materials

Material	Area (m ²)	Panels
Material 1	20.21	1i1,1i2,1i3,1i4,1i5 1i6,1i7,1i8,1i9,1b1 1b2,1b3,1b4,1b5,1b6 1b7,1b8,1b9,2i1,2i2 2i3,2b1,2b2,2b3,3i1 3i2,3i3,3i4