

Genoa: 7001218 Antoine Hanks Headsail.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): 3.308m
 Upper width (HUW): 0.574m
 Three-quarter width (HTW): 1.077m
 Half width (HHW): 1.854m
 Quarter width (HQW): 2.579m
 Foot median: 10.978m
 ORC Headsail area: 20.221m?
 IRC Headsail area: 20.346m?
 Surface area: 20.500m?
 Forestay height: 11.290m
 J: 3.300m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
76.555%	1.075m	0.205m	88.782?	8.716m	8.158m	Full
51.319%	0.850m	0.159m	88.782?	5.919m	5.469m	
25.092%	0.850m	0.067m	88.782?	3.012m	2.674m	

Draft Stripes

1, Luff: 3.755m ; Leech: 3.378m ;
 2, Luff: 7.496m ; Leech: 6.963m ;

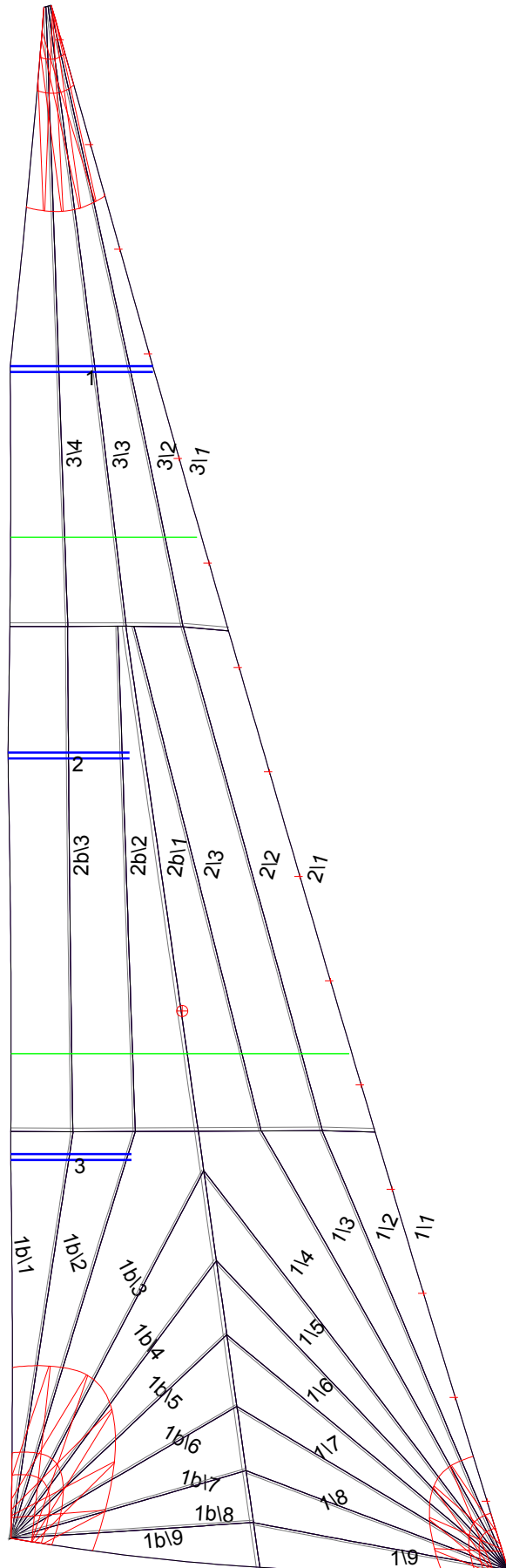
Luff Slides

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% (10.196m) :	0.011m
6.787m,	0.066m	80% (9.064m) :	0.019m
4.521m,	0.060m	70% (7.930m) :	0.023m
2.258m,	0.038m	60% (6.797m) :	0.024m
0.000m,	0.000m	50% (5.664m) :	0.024m
		40% (4.532m) :	0.022m
		30% (3.398m) :	0.017m
		20% (2.266m) :	0.012m
		10% (1.132m) :	0.007m
		0% (0.000m) :	0.000m

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Seam Allowances

Zone:	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	4.25
Radial/Vertical	68.10
Bi-Radial Split	6.80

Materials

Material	Area (m ²)	Panels
Material 1	20.53	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