

Genoa: 7001004 Paul-2 Custom Catamaran Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001004 Paul\7001

Initial Design Date: 10/10/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	16.682m
Leech geodesic:	15.546m
Foot geodesic:	5.515m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.160m
Upper width (HUW):	0.572m
Three-quarter width (HTW):	1.135m
Half width (HHW):	2.370m
Quarter width (HQW):	3.728m
Foot median:	16.012m
ORC Headsail area:	41.185m?
IRC Headsail area:	41.086m?
Surface area:	41.218m?
Forestay height:	17.980m
J:	6.300m

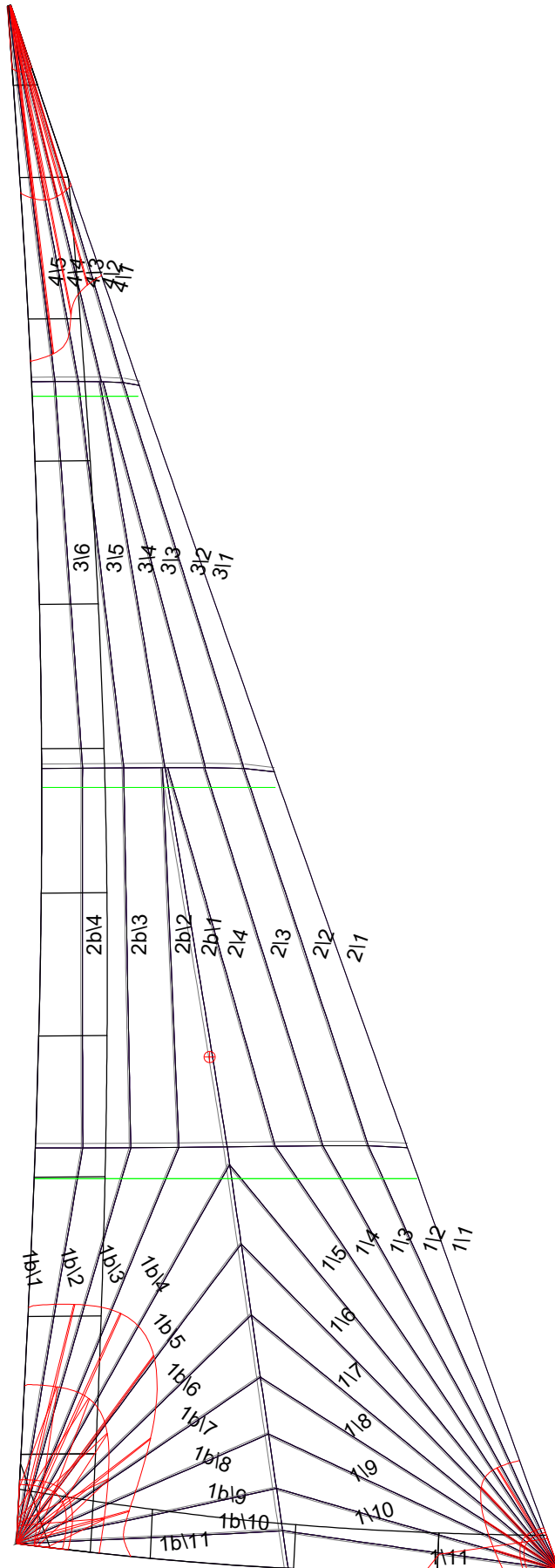
Draft Stripes

- 1, Luff: 4.186m ; Leech: 3.700m ;
- 2, Luff: 8.372m ; Leech: 7.632m ;
- 3, Luff: 12.543m ; Leech: 11.552m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.273m])	Before BSeam
16.680m,	0.000m	100% (16.681m) :	0.000m
15.294m,	0.042m	90% (15.011m) :	-0.006m
13.761m,	0.076m	80% (13.346m) :	-0.004m
12.412m,	0.093m	70% (11.677m) :	0.005m
10.842m,	0.100m	60% (10.009m) :	0.018m
8.301m,	0.088m	50% (8.340m) :	0.031m
5.421m,	0.060m	40% (6.672m) :	0.038m
2.819m,	0.030m	30% (5.004m) :	0.038m
0.000m,	0.000m	20% (3.337m) :	0.033m
		10% (1.667m) :	0.021m
		0% (0.000m) :	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.016m	0.045m
Zone: 1/b	0.038m	0.016m	0.045m
Zone: 2/a	0.038m	0.016m	0.045m
Zone: 2/b	0.038m	0.016m	0.045m
Zone: 3	0.038m	0.016m	0.045m
Zone: 4	0.038m	0.016m	0.045m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	7.55
Radial/Vertical	136.48
Bi-Radial Split	8.41

Materials

Material	Area (m ²)	Panels
Material 1	41.30	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,2\1,2\2,2\3 2\4,2b\1,2b\2,2b\3,2b\4 3\1,3\2,3\3,3\4,3\5 3\6,4\1,4\2,4\3,4\4 4\5