

Genoa: 7001004 Paul-2 Custom Catamaran HeadsailV2.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:	16.000m
Leech geodesic:	15.400m
Foot geodesic:	5.700m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.490m
Upper width (HUW):	0.614m
Three-quarter width (HTW):	1.220m
Half width (HHW):	2.542m
Quarter width (HQW):	3.984m
Foot median:	15.570m
ORC Headsail area:	42.204m?
IRC Headsail area:	42.097m?
Surface area:	42.179m?
Forestay height:	15.850m
J:	6.300m

Draft Stripes

1, Luff: 4.018m ; Leech: 4.205m ;
2, Luff: 8.035m ; Leech: 7.916m ;
3, Luff: 12.036m ; Leech: 11.618m ;

Luff Curve

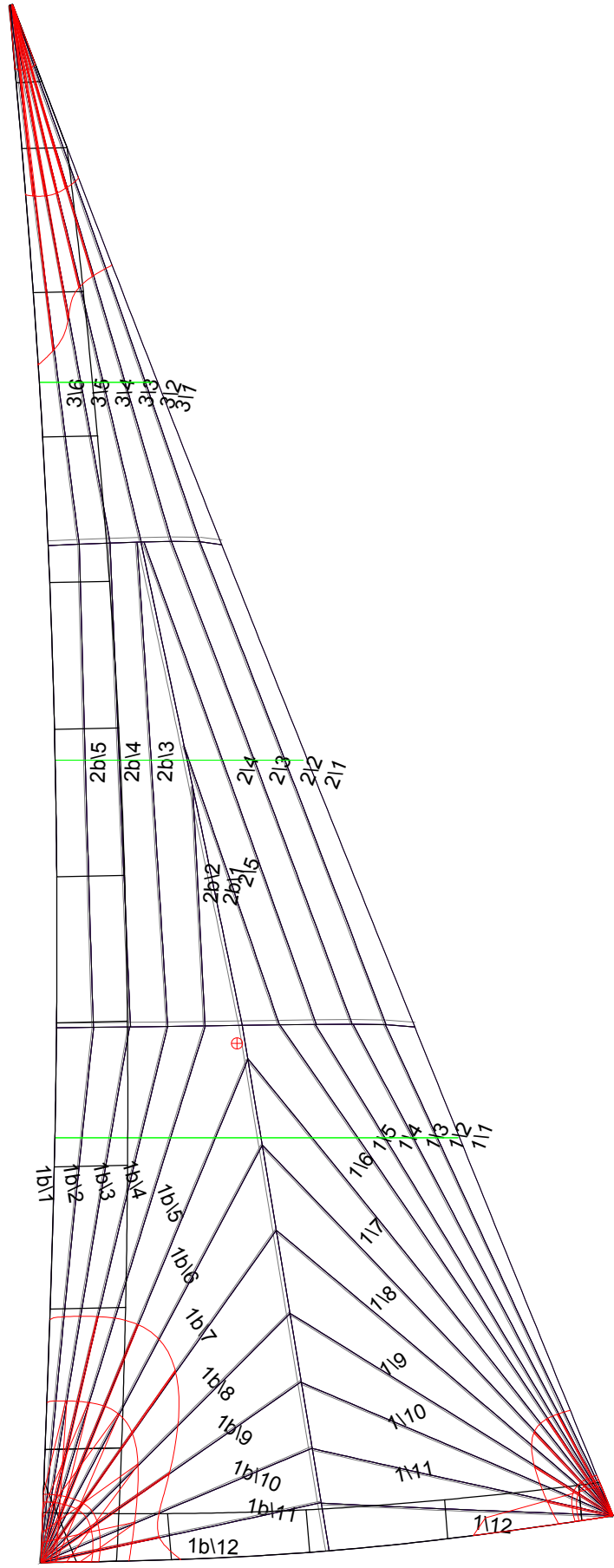
15.998m,	0.000m
14.669m,	0.042m
13.198m,	0.076m
11.904m,	0.093m
10.399m,	0.100m
7.961m,	0.088m
5.199m,	0.060m
2.704m,	0.030m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.281m])

100% (15.998m) :	0.000m	-0.000m
90% (14.396m) :	-0.044m	-0.005m
80% (12.801m) :	-0.076m	-0.002m
70% (11.199m) :	-0.093m	0.008m
60% (9.600m) :	-0.098m	0.021m
50% (7.999m) :	-0.092m	0.033m
40% (6.400m) :	-0.079m	0.040m
30% (4.799m) :	-0.063m	0.039m
20% (3.201m) :	-0.044m	0.034m
10% (1.598m) :	-0.023m	0.021m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.035m	0.016m	0.045m
Zone: 1/b	0.035m	0.016m	0.045m
Zone: 2/a	0.035m	0.016m	0.045m
Zone: 2/b	0.035m	0.016m	0.045m
Zone: 3	0.035m	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	5.50
Radial/Vertical	161.86
Bi-Radial Split	10.49

Materials

Material	Area (m ²)	Panels
Material 1	42.27	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6