

Genoa: 7001130 Roy-2 catamaran Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\7001130 Roy\7001

Initial Design Date: 17/1/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	13.067m
Leech geodesic:	11.580m
Foot geodesic:	4.900m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.340m
Upper width (HUW):	0.473m
Three-quarter width (HTW):	0.936m
Half width (HHW):	1.966m
Quarter width (HQW):	3.116m
Foot median:	12.237m
ORC Headsail area:	26.947m?
IRC Headsail area:	26.876m?
Surface area:	27.169m?
Forestay height:	12.800m
J:	3.930m

Draft Stripes

1, Luff: 4.331m ; Leech: 3.172m ;
2, Luff: 8.655m ; Leech: 7.301m ;

Luff Curve

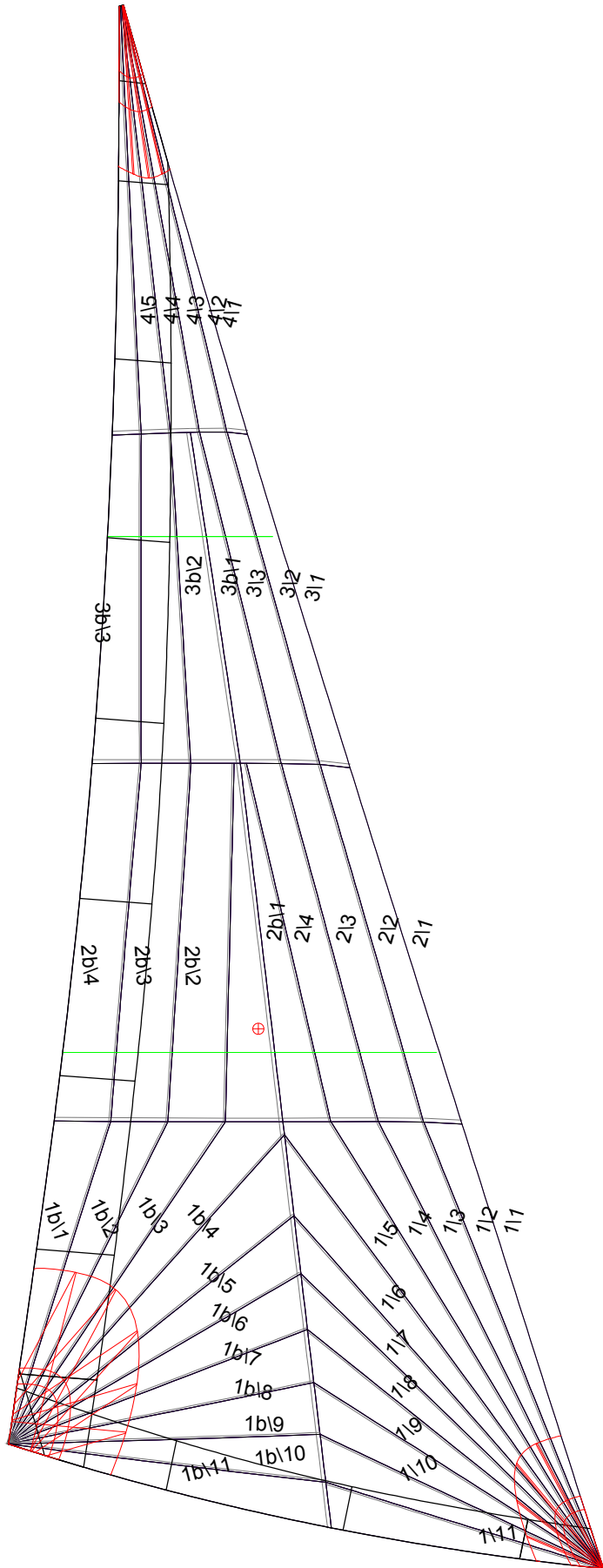
13.064m,	0.000m
11.979m,	0.044m
10.778m,	0.080m
9.721m,	0.099m
8.492m,	0.106m
6.501m,	0.093m
4.246m,	0.063m
2.208m,	0.031m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.238m])

100% (13.065m) :	-0.000m	0.000m
90% (11.759m) :	-0.050m	-0.014m
80% (10.453m) :	-0.086m	-0.019m
70% (9.146m) :	-0.104m	-0.014m
60% (7.839m) :	-0.108m	-0.002m
50% (6.533m) :	-0.100m	0.011m
40% (5.226m) :	-0.084m	0.021m
30% (3.919m) :	-0.065m	0.025m
20% (2.613m) :	-0.045m	0.025m
10% (1.306m) :	-0.023m	0.017m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.030m	0.015m	0.030m
Zone: 1/b	0.030m	0.015m	0.030m
Zone: 2/a	0.030m	0.015m	0.030m
Zone: 2/b	0.030m	0.015m	0.030m
Zone: 3/a	0.030m	0.015m	0.030m
Zone: 3/b	0.030m	0.015m	0.030m
Zone: 4	0.030m	0.015m	0.030m
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	6.72
Radial/Vertical	104.99
Bi-Radial Split	9.08

Materials

Material	Area (m ²)	Panels
Material 1	27.23	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\3,3b\1,3b\2 3b\3,4\1,4\2,4\3,4\4 4\5