

Genoa: 8000613 Pepijn-3 Moody 425 95%furlingstaysailV3.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000613 Pepijn M

Initial Design Date: 20/8/2024
Boat:
Moody 425 staysail95%
Client:

Comments:
track begin poing=3.5m, track end point 4.4m.

Design Data
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Genoa

Measurements

Luff geodesic: 10.860m
Leech geodesic: 9.854m
Foot geodesic: 3.667m
Headboard width: 0.050m
Luff perpendicular (HLP): 3.325m
Upper width (HUW): 0.373m
Three-quarter width (HTW): 0.718m
Half width (HHW): 1.507m
Quarter width (HQW): 2.377m
Foot median: 10.289m
ORC Headsail area: 17.164m?
IRC Headsail area: 17.131m?
Surface area: 17.238m?
Forestay height: 10.680m
J: 3.500m

Draft Stripes

1, Luff: 3.597m ; Leech: 2.923m ;
2, Luff: 7.188m ; Leech: 6.323m ;

Luff Curve

10.859m, 0.000m
9.956m, 0.027m
8.958m, 0.049m
8.080m, 0.061m
7.058m, 0.065m
5.404m, 0.057m
3.529m, 0.039m
1.835m, 0.019m
0.000m, 0.000m

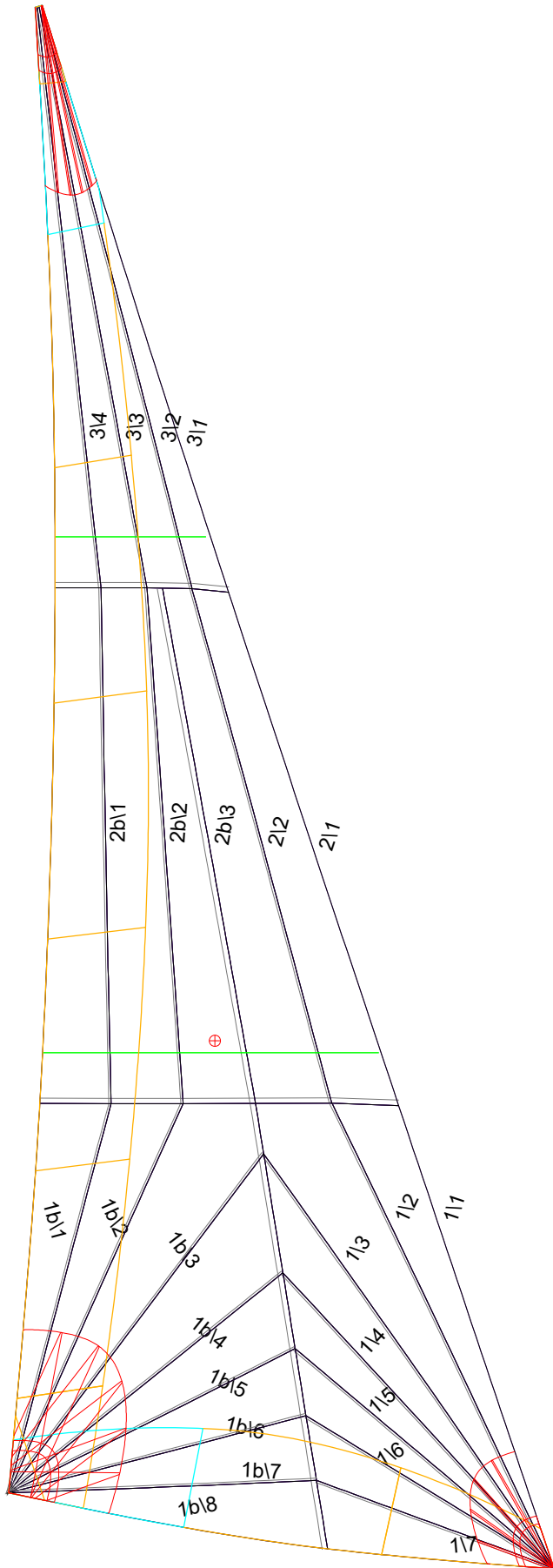
Fanned Luff (@ 5.00% [0.180m])

100% (10.859m) : 0.000m
90% (9.773m) : -0.029m
80% (8.688m) : -0.050m
70% (7.602m) : -0.061m
60% (6.516m) : -0.063m
50% (5.430m) : -0.059m
40% (4.344m) : -0.050m
30% (3.258m) : -0.039m
20% (2.172m) : -0.027m
10% (1.085m) : -0.014m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
-0.007m
-0.008m
-0.004m
0.004m
0.012m
0.018m
0.019m
0.018m
0.012m
0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.035m	0.015m	0.035m
Zone: 1/b	0.035m	0.015m	0.035m
Zone: 2/a	0.035m	0.015m	0.035m
Zone: 2/b	0.035m	0.015m	0.035m
Zone: 3	0.035m	0.015m	0.035m
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	3.67
Radial/Vertical	54.59
Bi-Radial Split	6.63

Materials

Material	Area (m ²)	Panels
Material 1	17.23	1l1,1l2,1l3,1l4,1l5 1l6,1l7,1b1,1b2,1b3 1b4,1b5,1b6,1b7,1b8 2l1,2l2,2b1,2b2,2b1 3l1,3l2,3l3,3l4