

Genoa: 8000107 Dennis-2 Lagoon 380 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2025 Orders\Need to be Confirmed\8001017 Daniel re

Initial Design Date: 6/2/2025
Boat:
Lagoon 380
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic: 12.975m
Leech geodesic: 11.479m
Foot geodesic: 5.426m
Headboard width: 0.045m
Luff perpendicular (HLP): 4.830m
Upper width (HUW): 0.525m
Three-quarter width (HTW): 1.035m
Half width (HHW): 2.214m
Quarter width (HQW): 3.492m
Foot median: 12.048m
ORC Headsail area: 29.911m?
IRC Headsail area: 29.811m?
Surface area: 30.009m?
Forestay height: 13.130m
J: 3.570m

Draft Stripes

1, Luff: 3.256m ; Leech: 1.946m ;
2, Luff: 6.512m ; Leech: 5.139m ;
3, Luff: 9.756m ; Leech: 8.281m ;

Luff Curve

12.972m, 0.000m
11.894m, 0.043m
10.702m, 0.079m
9.653m, 0.097m
8.432m, 0.103m
6.456m, 0.091m
4.216m, 0.062m
2.193m, 0.031m
0.000m, 0.000m

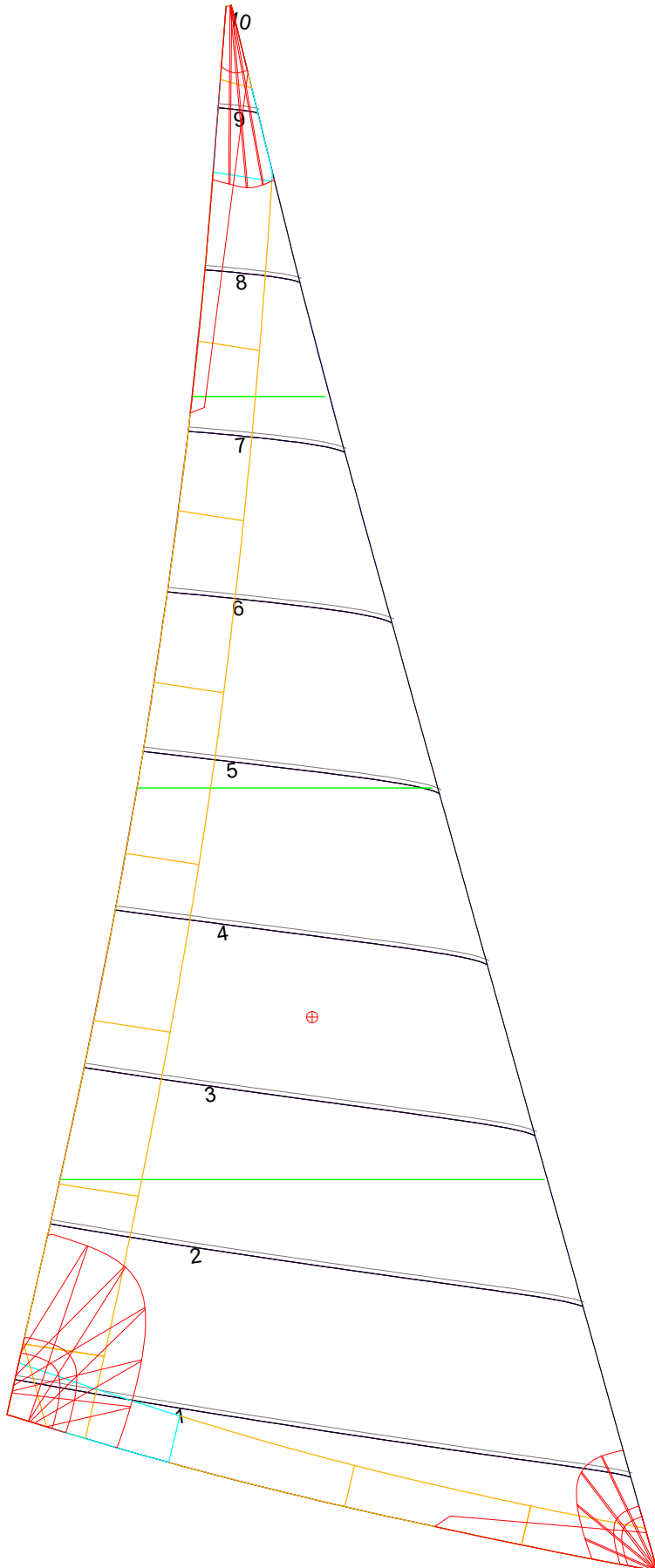
Fanned Luff (@ 5.00% [0.260m])

100% (12.972m) : 0.000m
90% (11.676m) : -0.051m
80% (10.379m) : -0.093m
70% (9.082m) : -0.110m
60% (7.784m) : -0.109m
50% (6.487m) : -0.098m
40% (5.189m) : -0.082m
30% (3.892m) : -0.062m
20% (2.595m) : -0.041m
10% (1.297m) : -0.021m
0% (0.000m) : 0.000m

Before BSeam

0.000m
-0.020m
-0.031m
-0.018m
0.008m
0.027m
0.038m
0.042m
0.038m
0.021m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.035m	0.035m	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

Sail:	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	23.49
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	30.09	1,2,3,4,5 6,7,8,9,10