

Genoa: 8000932 Trevor-2 Alajuela 38 StaysailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000932 Trevor Al

Initial Design Date: 15/10/2024
Boat:
Alajuela 38
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic: 9.200m
Leech geodesic: 8.100m
Foot geodesic: 3.300m
Headboard width: 0.035m
Luff perpendicular (HLP): 2.887m
Upper width (HUW): 0.312m
Three-quarter width (HTW): 0.610m
Half width (HHW): 1.296m
Quarter width (HQW): 2.058m
Foot median: 8.597m
ORC Headsail area: 12.550m?
IRC Headsail area: 12.523m?
Surface area: 12.677m?
Forestay height: 14.600m
J: 3.790m

Draft Stripes

1, Luff: 3.047m ; Leech: 2.097m ;
2, Luff: 6.090m ; Leech: 5.048m ;

Luff Curve

9.198m, 0.000m
8.434m, 0.031m
7.588m, 0.056m
6.844m, 0.069m
5.979m, 0.074m
4.577m, 0.065m
2.989m, 0.044m
1.555m, 0.022m
0.000m, 0.000m

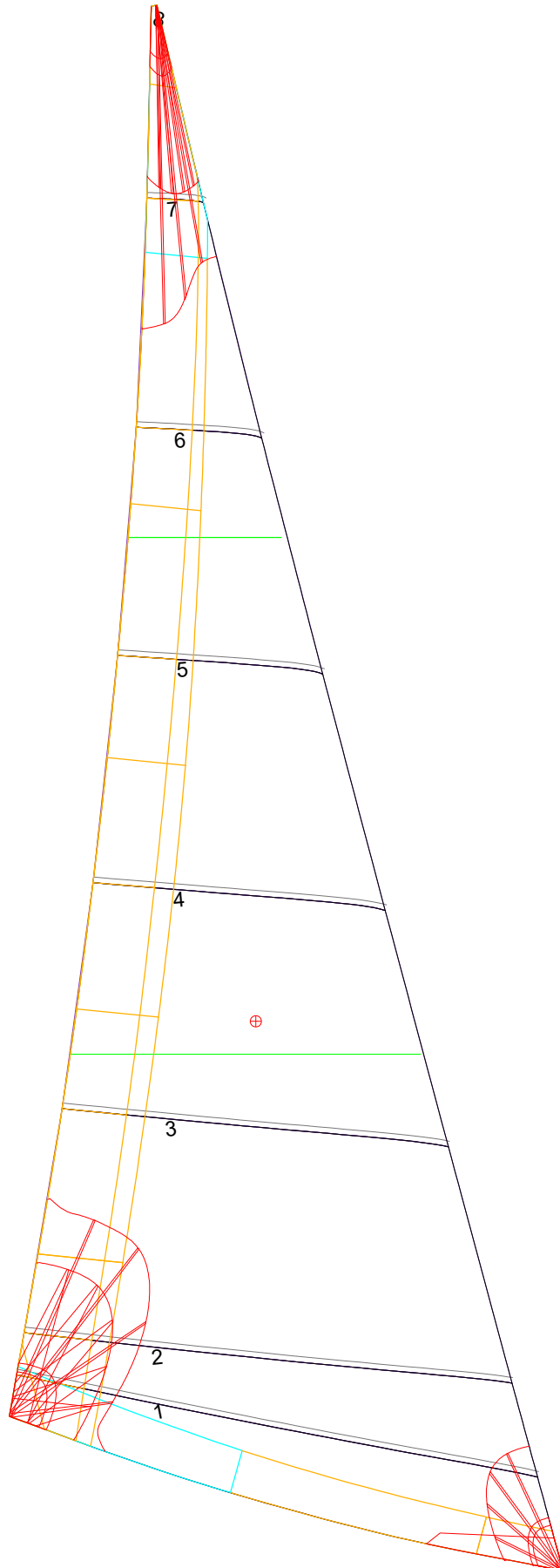
Fanned Luff (@ 5.00% [0.158m])

100% (9.198m) : -0.000m
90% (8.280m) : -0.035m
80% (7.359m) : -0.061m
70% (6.440m) : -0.073m
60% (5.519m) : -0.075m
50% (4.599m) : -0.069m
40% (3.680m) : -0.059m
30% (2.760m) : -0.045m
20% (1.840m) : -0.031m
10% (0.919m) : -0.016m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
-0.012m
-0.016m
-0.012m
-0.004m
0.005m
0.013m
0.017m
0.017m
0.012m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.032m	0.032m	0.032m
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
Cover 5	0.032m	0.032m	0.032m

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
Cover 4	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	12.33
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	12.69	1,2,3,4,5 6,7,8