

# Genoa: 8000932 Trevor-2 Alajuela 38 Staysail.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: 9/10/2024  
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

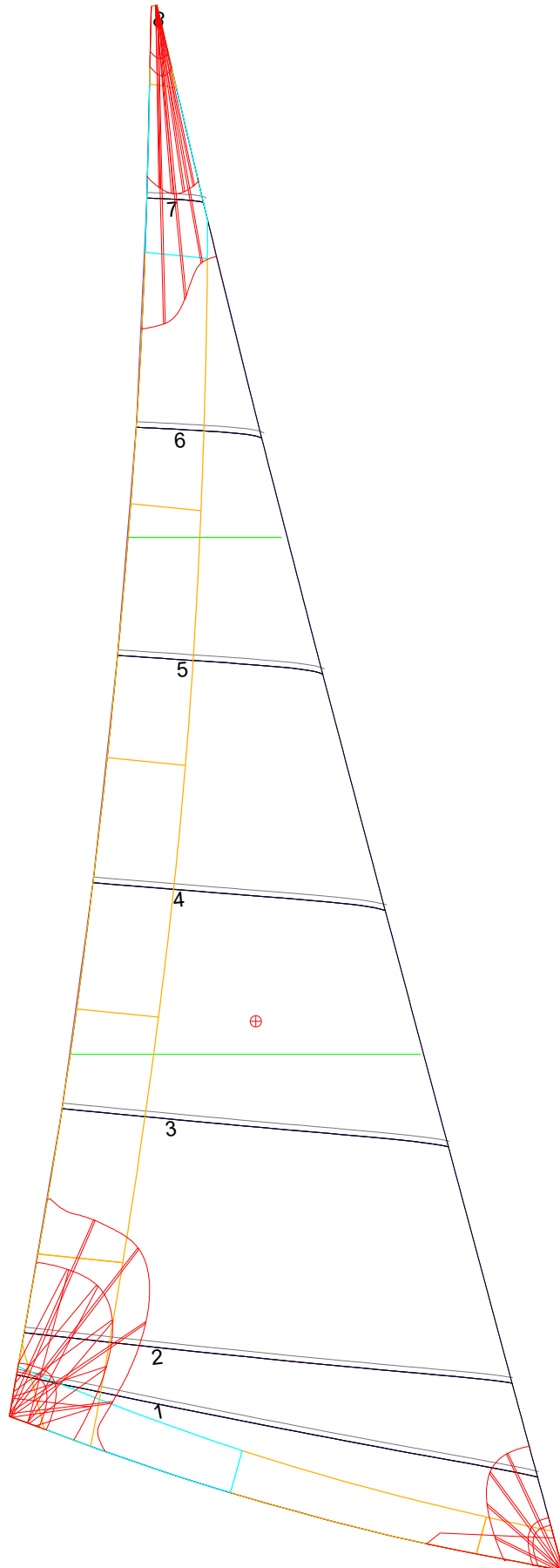
9.198m,	0.000m
8.434m,	0.031m
7.588m,	0.056m
6.844m,	0.069m
5.979m,	0.074m
4.577m,	0.065m
2.989m,	0.044m
1.555m,	0.022m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.158m])

100% (9.198m) :	-0.000m	-0.000m
90% (8.280m) :	-0.035m	-0.012m
80% (7.359m) :	-0.061m	-0.016m
70% (6.440m) :	-0.073m	-0.012m
60% (5.519m) :	-0.075m	-0.004m
50% (4.599m) :	-0.069m	0.005m
40% (3.680m) :	-0.059m	0.013m
30% (2.760m) :	-0.045m	0.017m
20% (1.840m) :	-0.031m	0.017m
10% (0.919m) :	-0.016m	0.012m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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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

## 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	12.33
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

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