

# Genoa: 7001118 Alec furlgen.des

## Design Info

=====

## Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\7001118 Alec\700

Initial Design Date: 18/1/2024

Boat:

Comments:

Client:

## Design Data

=====

### Genoa

#### Measurements

Luff geodesic:	11.780m
Leech geodesic:	11.345m
Foot geodesic:	4.812m
Headboard width:	0.060m
Luff perpendicular (HLP):	4.620m
Upper width (HUW):	0.580m
Three-quarter width (HTW):	1.130m
Half width (HHW):	2.290m
Quarter width (HQW):	3.430m
Foot median:	11.513m
ORC Headsail area:	27.065m?
IRC Headsail area:	27.072m?
Surface area:	27.465m?
Forestay height:	12.650m
J:	3.370m

#### Draft Stripes

1, Luff: 3.906m ; Leech: 3.626m ;  
2, Luff: 7.792m ; Leech: 7.412m ;

#### Luff Curve

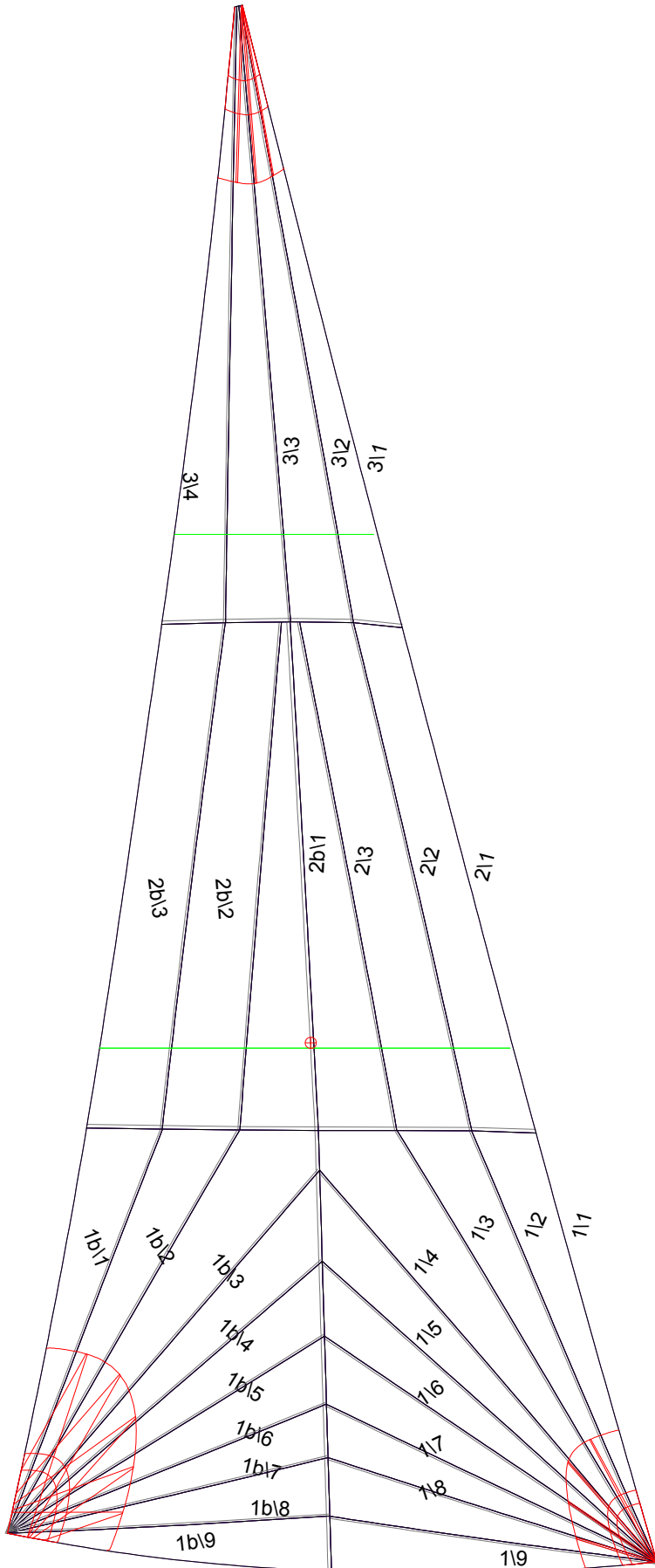
11.779m,	0.000m
9.417m,	0.050m
7.056m,	0.069m
4.700m,	0.071m
2.348m,	0.051m
0.000m,	0.000m

#### Fanned Luff (@ 5.00% [0.237m])

100% (11.778m) :	-0.000m	0.000m
90% (10.600m) :	-0.027m	0.011m
80% (9.423m) :	-0.052m	0.022m
70% (8.245m) :	-0.068m	0.038m
60% (7.067m) :	-0.076m	0.055m
50% (5.889m) :	-0.080m	0.065m
40% (4.711m) :	-0.082m	0.062m
30% (3.533m) :	-0.077m	0.050m
20% (2.356m) :	-0.060m	0.032m
10% (1.176m) :	-0.034m	0.014m
0% (0.000m) :	0.000m	0.000m

#### Before BSeam

# Genoa: 7001118 Alec furlgen.des



## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	5.36
Radial/Vertical	77.47
Bi-Radial Split	7.13

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	27.49	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1b1 1b2,1b3,1b4,1b5,1b6 1b7,1b8,1b9,2\1,2\2 2\3,2b1,2b2,2b3,3\1 3\2,3\3,3\4