

# Genoa: 5000109 Daniel headsail.des

## Design Info

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## Design File:

F:\Dropbox (个人)\Fareast Sails\2021\5000109 Daniel\5000109 Daniel headsail.des

Initial Design Date: 19/1/2021  
Boat:

Comments:

Client:

## Design Data

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## Genoa

### Measurements

Luff geodesic:	10.058m
Leech geodesic:	9.545m
Foot geodesic:	5.092m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.814m
Upper width (HUW):	0.546m
Three-quarter width (HTW):	1.086m
Half width (HHW):	2.284m
Quarter width (HQW):	3.537m
Foot median:	9.661m
ORC Headsail area:	23.507m?
IRC Headsail area:	23.456m?
Surface area:	23.757m?
Forestay height:	10.119m
J:	3.703m

### Luff Curve

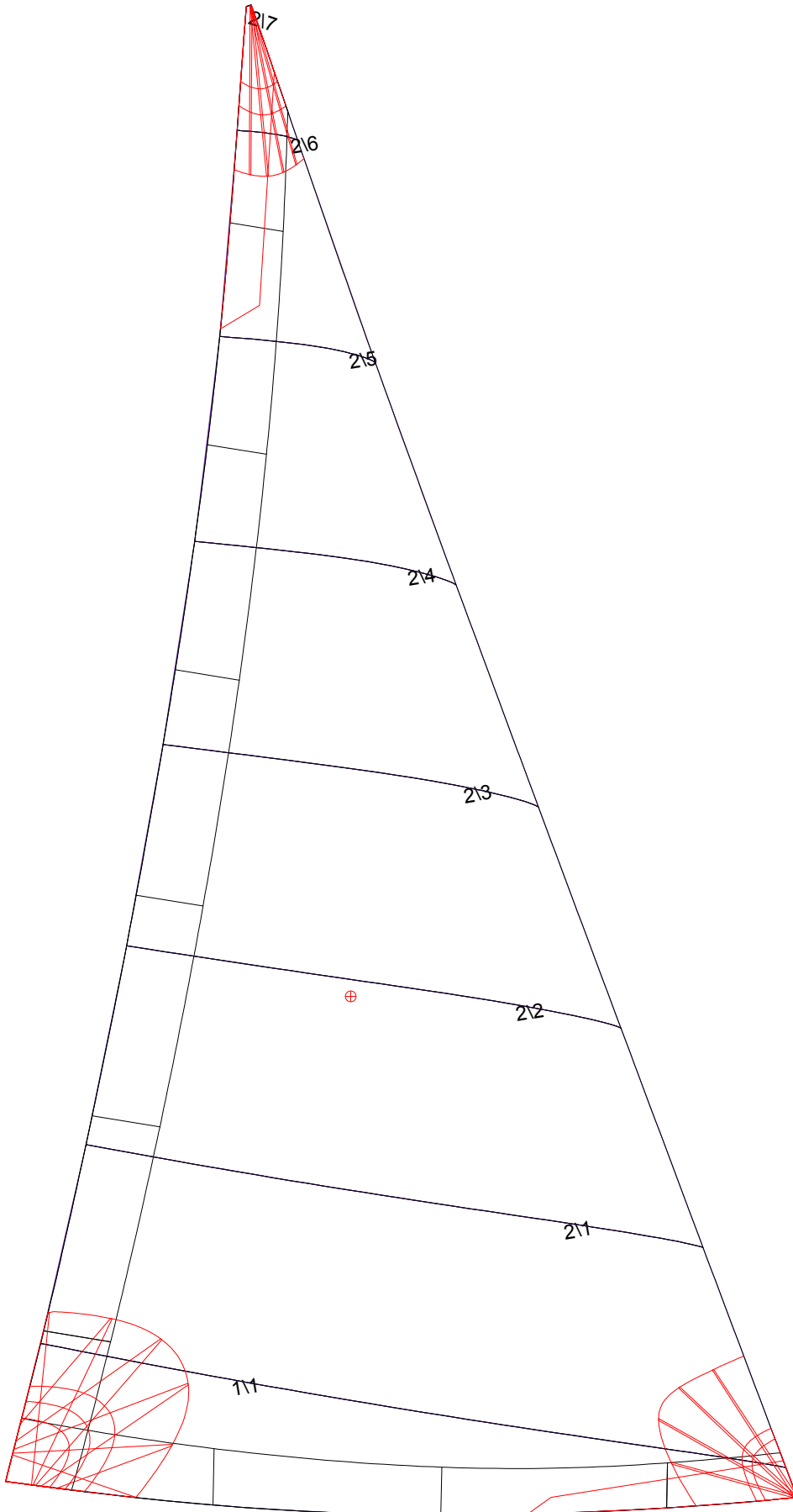
10.056m,	0.000m
9.220m,	0.034m
8.296m,	0.062m
7.483m,	0.076m
6.537m,	0.081m
5.004m,	0.071m
3.268m,	0.048m
1.700m,	0.024m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.251m])

100% (10.056m) :	-0.000m	-0.000m
90% (9.050m) :	-0.036m	0.004m
80% (8.047m) :	-0.067m	0.011m
70% (7.040m) :	-0.081m	0.029m
60% (6.034m) :	-0.081m	0.050m
50% (5.028m) :	-0.074m	0.065m
40% (4.023m) :	-0.063m	0.071m
30% (3.017m) :	-0.049m	0.068m
20% (2.012m) :	-0.034m	0.052m
10% (1.005m) :	-0.018m	0.026m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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## Seam Allowances

	Split	Radial	Cross
Zone: 1	0.025m	0.015m	0.025m
Zone: 2	0.025m	0.015m	0.025m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m

## Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.050m	0.100m	0.050m
Cover 1	0.050m	0.100m	0.050m

## Total Seam Lengths (m)

Horizontal	18.22
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	23.83	11,21,22,23,24,25,26,27