

# Genoa: 5000108 James headsail tri radial R1.des

Design Info  
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Design File:  
F:\Dropbox (个人)\Fareast Sails\2021\5000108 James\5000108 James headsail tri radial R1.des

Initial Design Date: 15/1/2021  
Boat:

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic:	10.800m
Leech geodesic:	10.164m
Foot geodesic:	4.680m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.560m
Upper width (HUW):	0.507m
Three-quarter width (HTW):	0.998m
Half width (HHW):	2.097m
Quarter width (HQW):	3.320m
Foot median:	10.361m
ORC Headsail area:	23.537m?
IRC Headsail area:	23.445m?
Surface area:	23.785m?
Forestay height:	10.740m
J:	3.800m

## Luff Curve

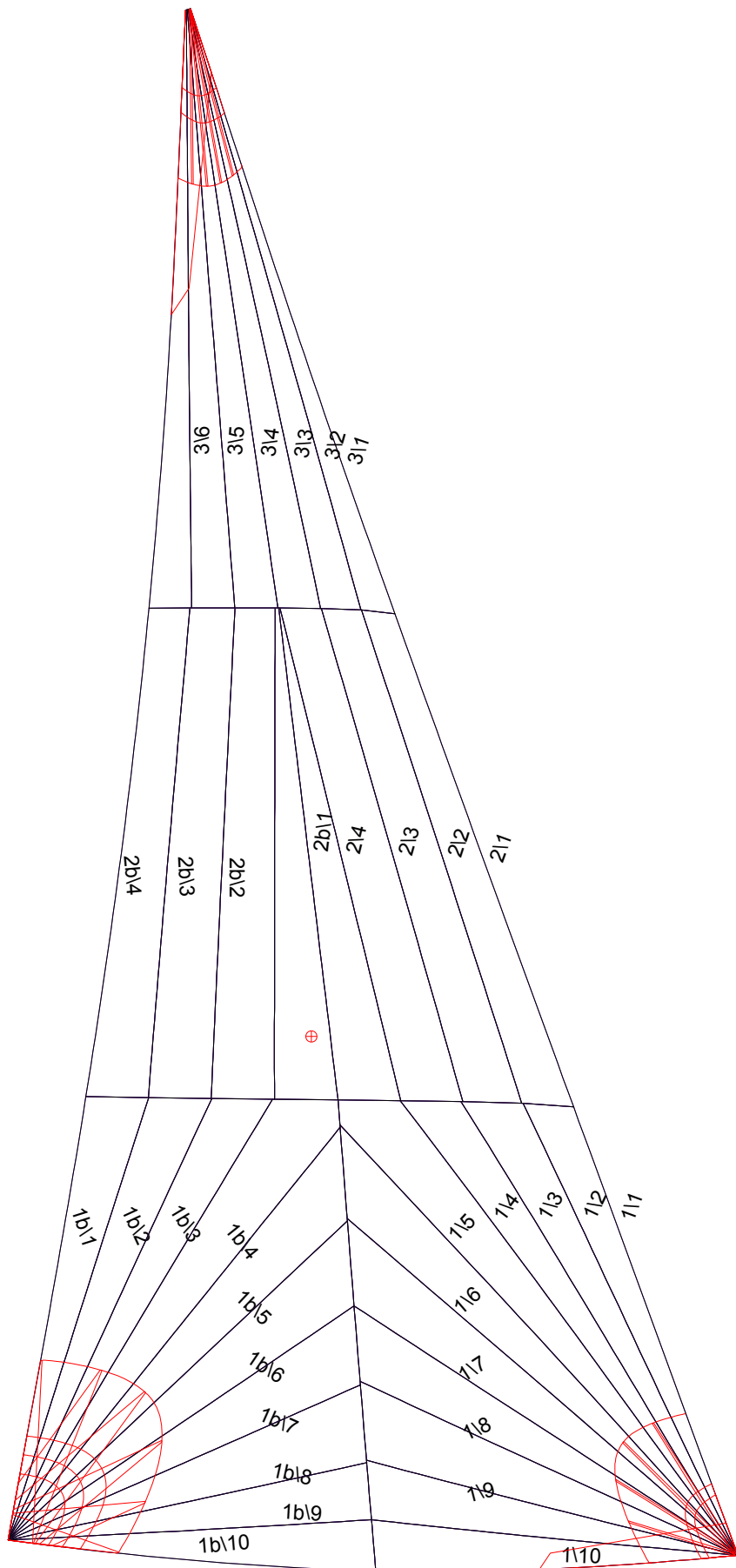
10.768m,	0.000m
9.873m,	0.036m
8.884m,	0.066m
8.012m,	0.081m
6.999m,	0.087m
5.359m,	0.076m
3.500m,	0.052m
1.820m,	0.026m
0.000m,	0.000m

## Fanned Luff (@ 5.00% [0.239m])

100% (10.768m) :	0.000m	-0.000m
90% (9.690m) :	-0.039m	-0.012m
80% (8.616m) :	-0.072m	-0.020m
70% (7.538m) :	-0.088m	-0.015m
60% (6.461m) :	-0.088m	-0.002m
50% (5.384m) :	-0.080m	0.014m
40% (4.308m) :	-0.068m	0.030m
30% (3.230m) :	-0.052m	0.042m
20% (2.154m) :	-0.036m	0.041m
10% (1.076m) :	-0.020m	0.023m
0% (0.000m) :	0.000m	0.000m

## Before BSeam

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.020m	0.020m	0.020m
Zone: 1/b	0.020m	0.020m	0.020m
Zone: 2/a	0.020m	0.020m	0.020m
Zone: 2/b	0.020m	0.020m	0.020m
Zone: 3	0.020m	0.020m	0.020m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	5.02
Radial/Vertical	95.18
Bi-Radial Split	6.56

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	23.84	1/1,1/2,1/3,1/4,1/5 1/6,1/7,1/8,1/9,1/10 1b/1,1b/2,1b/3,1b/4,1b/5 1b/6,1b/7,1b/8,1b/9,1b/10 2/1,2/2,2/3,2/4,2b/1 2b/2,2b/3,2b/4,3/1,3/2 3/3,3/4,3/5,3/6