Mainsail: 4000714 George mainsail R3

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2020\4000714 George\4000714 George mainsail R3.des

Comments:
tack angle 88.5 d

Initial Design Date: 18/7/2020
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	7.020m
Leech geodesic:	7.544m
Foot geodesic:	2.860m
Head geodesic:	0.105m
Upper width (MUW):	0.614m
Three-quarter width (MTW):	1.104m
Half width (MHW):	1.874m
Quarter width (MQW):	2.429m
Foot median:	7.241m
ORC Mainsail area:	12.098m?
Surface area:	12.536m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
83.000%	0.886m	0.213m	69.914?	5.818m	6.229m	Full
63.000%	1.564m	0.262m	69.914?	4.415m	4.728m	Full
43.000%	0.760m	0.228m	69.914?	3.012m	3.227m	
23.000%	0.760m	0.130m	69.914?	1.611m	1.726m	

Reefing Points

1, Luff: 1.250m ; Leech: 1.315m ; Offset: 0.000m ; Number Eyelets: 3

Luff Curve

7.018m,	0.000m
6.143m,	-0.046m
5.263m,	-0.080m
4.381m,	-0.097m
3.510m,	-0.100m
2.615m,	-0.093m
1.754m,	-0.074m
0.875m,	-0.042m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.142m])		Before BSeam
100% (7.020m) :	0.000m	0.000m
90% (6.319m) :	0.027m	0.054m
80% (5.616m) :	0.050m	0.102m
70% (4.914m) :	0.065m	0.137m
60% (4.212m) :	0.072m	0.155m
50% (3.510m) :	0.073m	0.158m
40% (2.808m) :	0.069m	0.146m
30% (2.106m) :	0.060m	0.121m
20% (1.404m) :	0.046m	0.087m
10% (0.702m) :	0.024m	0.044m
0% (0.000m) :	0.000m	0.000m

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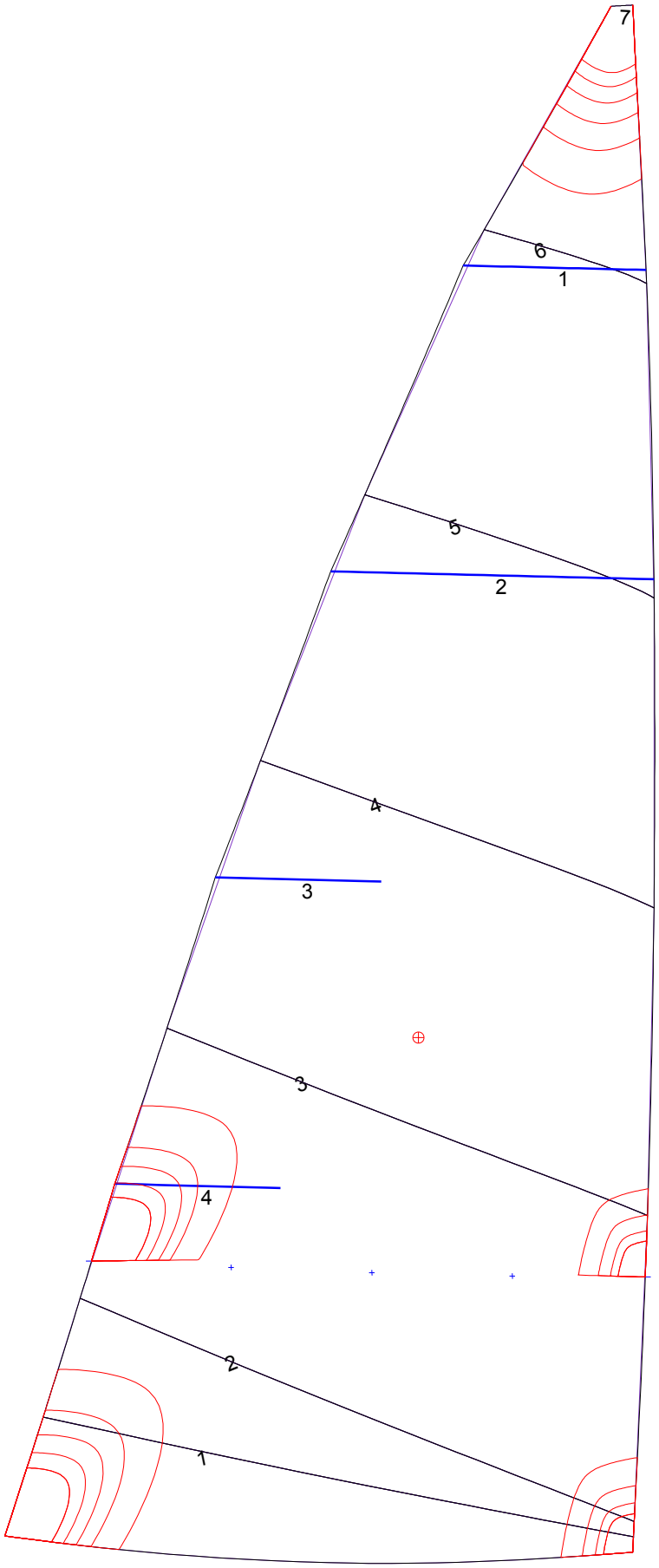


Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.025m

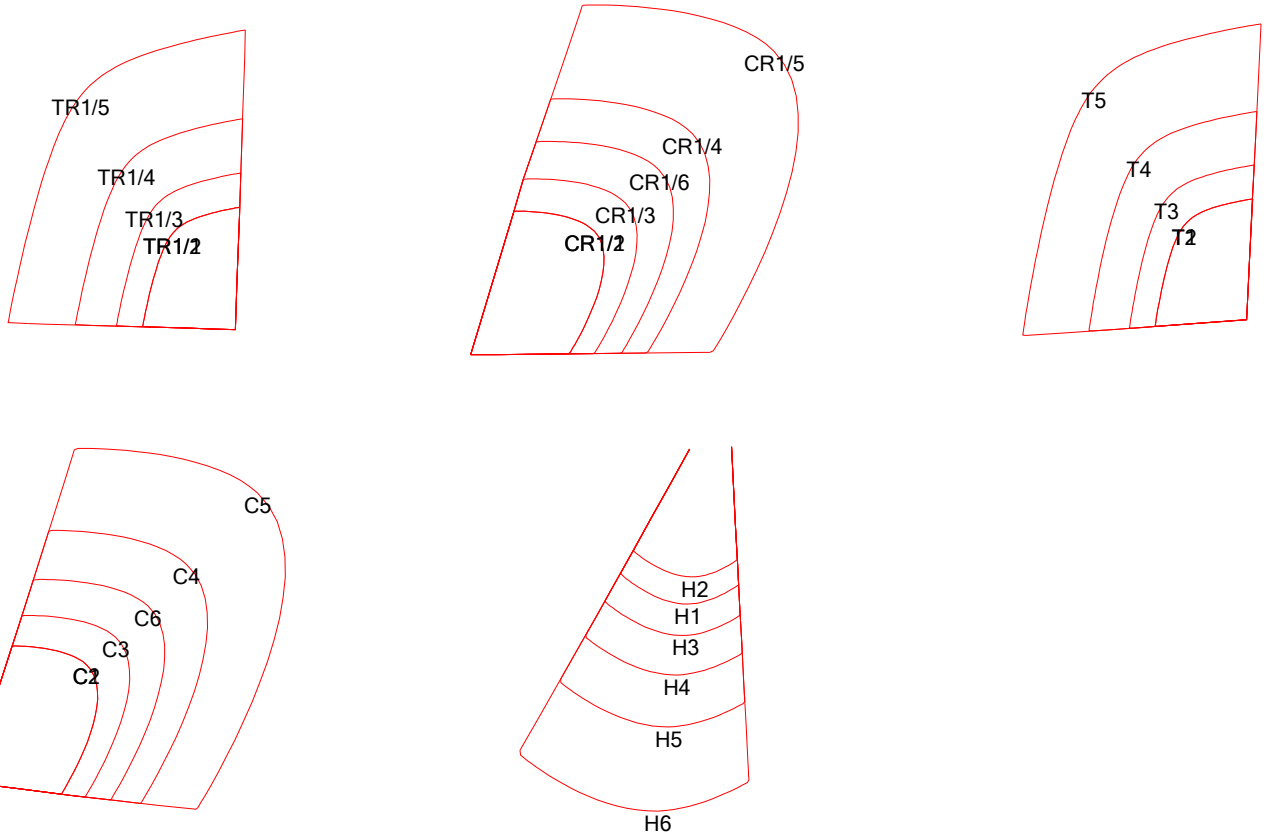
Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	12.18
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m?	Panels
Material 1	12.50	1,2,3,4,5 6,7

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