

Mainsail: 3000432 Gavin mainsail R2

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3000432 Gavin\3000432 Gavin mainsail R2.des

Initial Design Date: 7/5/2019
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	14.500m
Leech geodesic:	15.000m
Foot geodesic:	5.730m
Head geodesic:	0.180m
Upper width (MUW):	1.440m
Three-quarter width (MTW):	2.687m
Half width (MHW):	4.396m
Quarter width (MQW):	5.221m
Foot median:	14.721m
ORC Mainsail area:	55.327m?
Surface area:	58.299m?

Battens

Position	Length	Roach	Angle	Full
83.333%	2.225m	0.948m	75.250?	Full
66.667%	3.767m	1.425m	75.250?	Full
50.000%	4.538m	1.243m	75.250?	Full
33.333%	5.070m	0.913m	75.250?	Full
16.667%	5.438m	0.482m	75.250?	Full

Reefing Points

1, Luff: 3.000m ; Leech: 3.017m ; Offset: 0.000m ; Number Eyelets: 4
2, Luff: 6.000m ; Leech: 6.030m ; Offset: 0.000m ; Number Eyelets: 4

Luff Curve

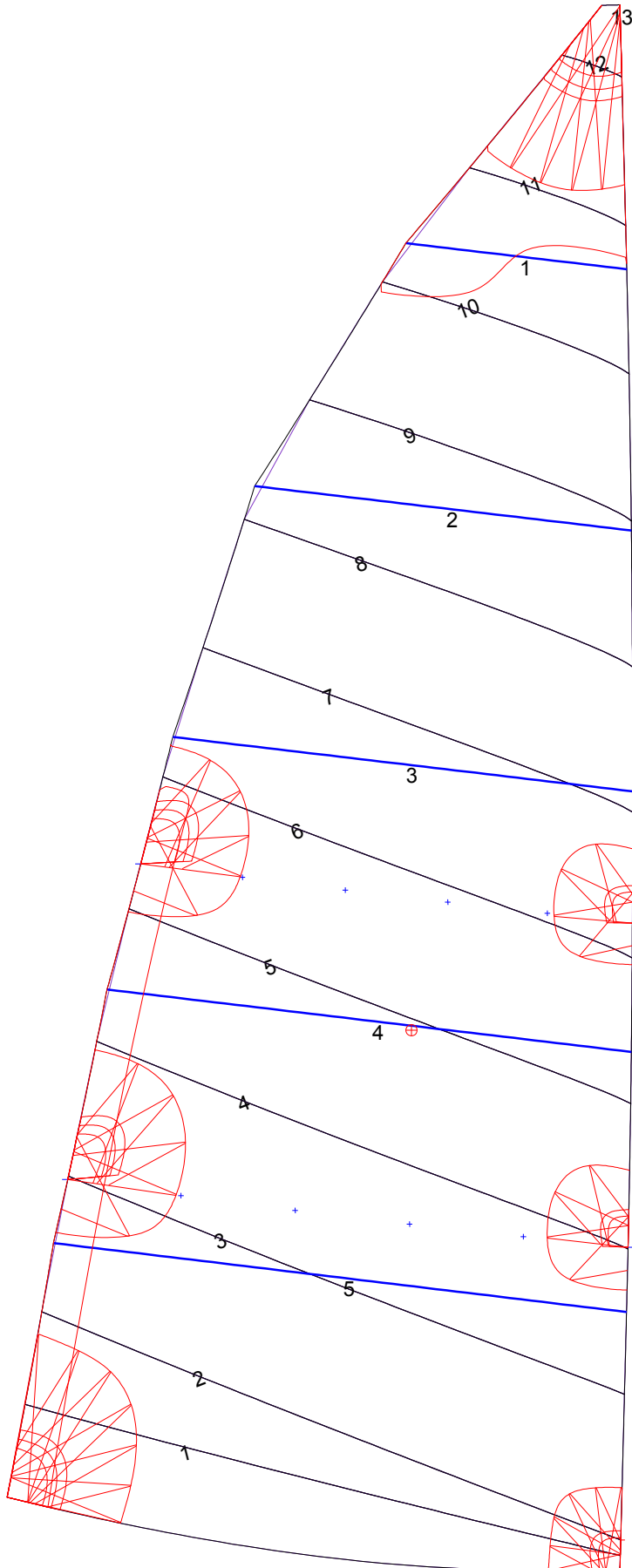
		Fanned Luff (@ 5.00% [0.;Before BSeam	
14.498m,	0.000m	100% (14.500m) :	0.000m -0.000m
10.874m,	-0.088m	90% (13.051m) :	0.025m 0.090m
7.249m,	-0.118m	80% (11.599m) :	0.049m 0.173m
3.625m,	-0.088m	70% (10.150m) :	0.066m 0.236m
0.000m,	0.000m	60% (8.700m) :	0.075m 0.261m
		50% (7.250m) :	0.076m 0.255m
		40% (5.800m) :	0.073m 0.227m
		30% (4.350m) :	0.062m 0.184m
		20% (2.899m) :	0.043m 0.125m
		10% (1.451m) :	0.018m 0.056m
		0% (0.000m) :	0.000m 0.000m

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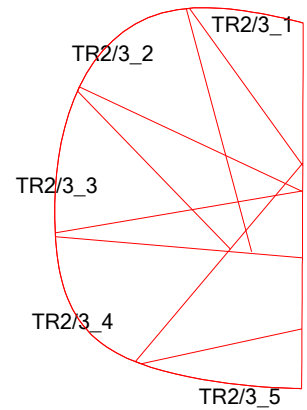
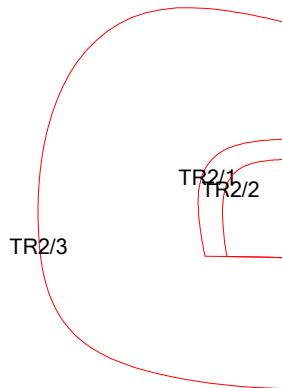
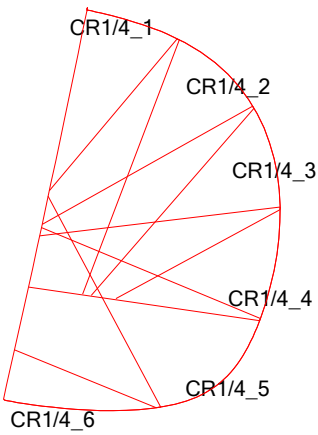
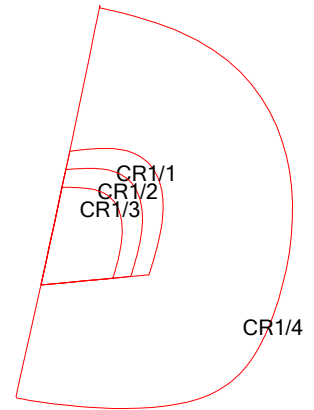
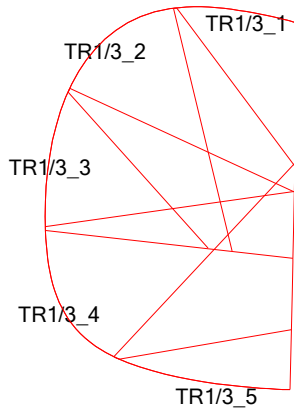
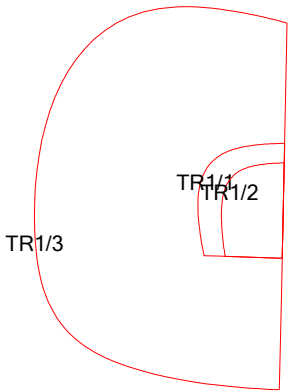
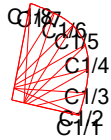
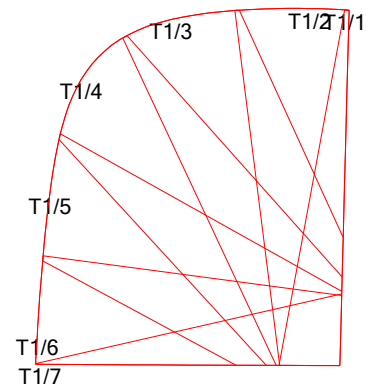
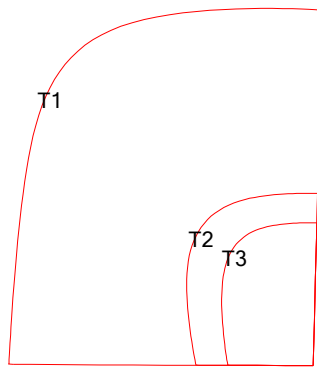
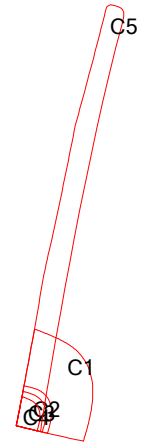
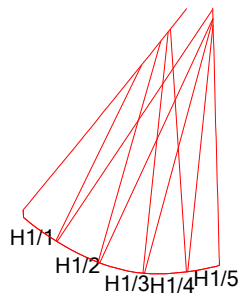
Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.045m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Materials		
Material	Area (m ²)	Panels
Material 1	58.28	1,2,3,4,5 6,7,8,9,10 11,12,13



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