

Mainsail: 3000601 Michael mainsail R2

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3000601 Michael\3000601 Michael mainsail R2.de

Initial Design Date: 23/5/2019
Boat:

Comments:
tack angle 88 degree

Client:

Design Data
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Main

Measurements

Luff geodesic:	16.200m
Leech geodesic:	16.875m
Foot geodesic:	5.280m
Head geodesic:	0.070m
Upper width (MUW):	0.825m
Three-quarter width (MTW):	1.583m
Half width (MHW):	3.017m
Quarter width (MQW):	4.254m
Foot median:	16.484m
ORC Mainsail area:	46.687m?
Surface area:	47.384m?

Battens

Position	Length	Roach	Angle	Full
79.989%	1.296m	0.090m	73.873?	Full
63.981%	2.258m	0.144m	74.016?	Full
47.931%	3.144m	0.166m	73.918?	Full
31.934%	3.942m	0.155m	74.018?	Full
19.850%	4.493m	0.126m	73.874?	Full
7.915%	4.980m	0.065m	74.060?	Full

Reefing Points

- 1, Luff: 2.240m ; Leech: 2.317m ; Offset: 0.000m ; Number Eyelets: 3
- 2, Luff: 4.238m ; Leech: 4.390m ; Offset: 0.000m ; Number Eyelets: 3
- 3, Luff: 6.830m ; Leech: 7.084m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

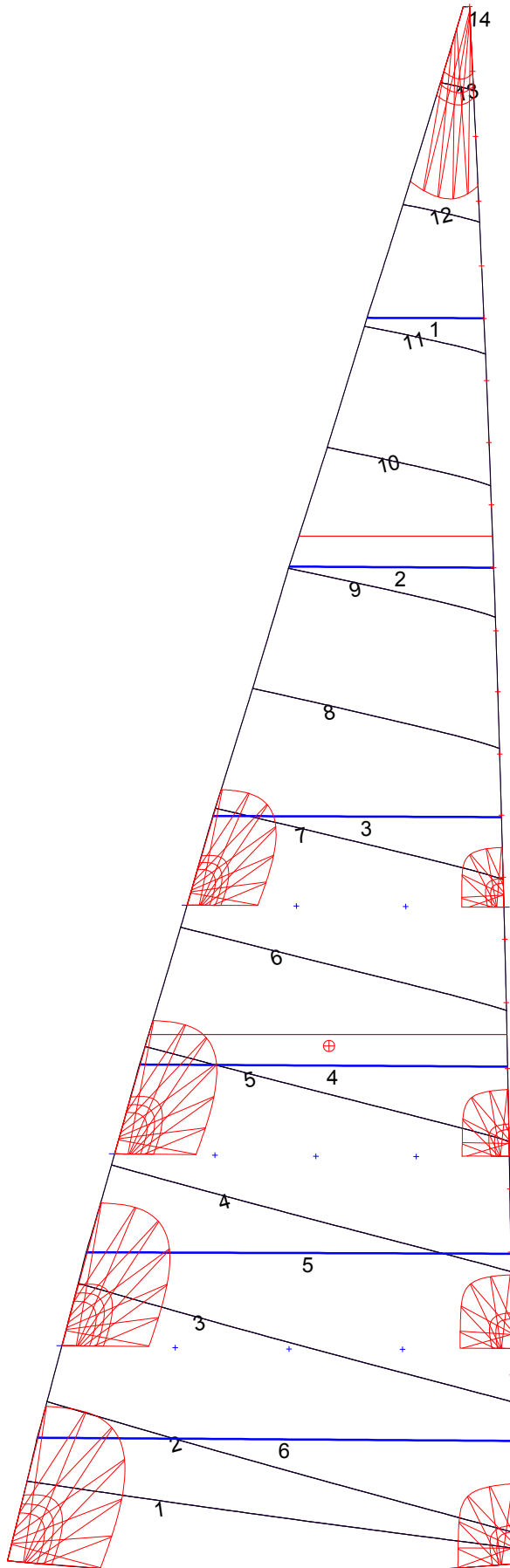
		Fanned Luff (@ 5.00% [0.:Before BSeam	
16.199m,	0.000m	100% (16.200m) :	0.000m 0.000m
12.149m,	-0.067m	90% (14.580m) :	0.021m 0.052m
8.100m,	-0.089m	80% (12.960m) :	0.040m 0.101m
4.050m,	-0.067m	70% (11.340m) :	0.054m 0.143m
0.000m,	0.000m	60% (9.720m) :	0.061m 0.169m
		50% (8.100m) :	0.062m 0.175m
		40% (6.480m) :	0.059m 0.164m
		30% (4.860m) :	0.051m 0.138m
		20% (3.240m) :	0.036m 0.097m
		10% (1.620m) :	0.016m 0.045m
		0% (0.000m) :	0.000m 0.000m

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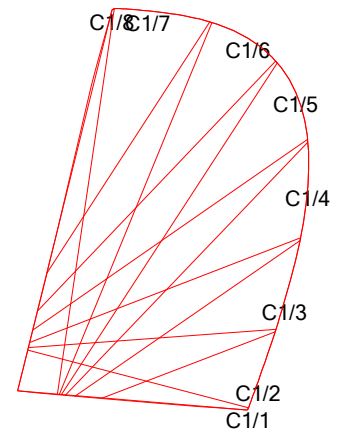
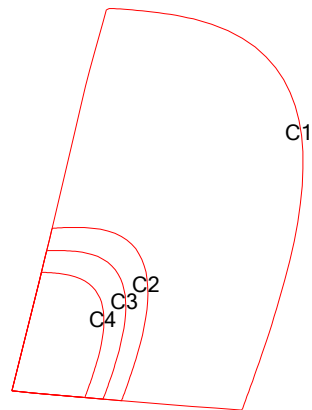
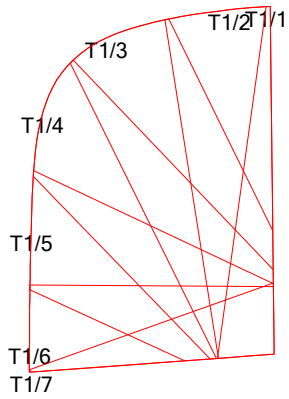
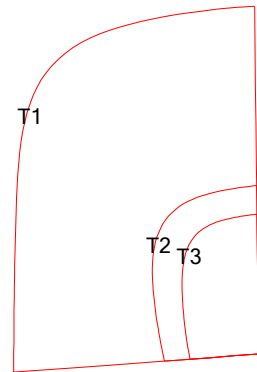
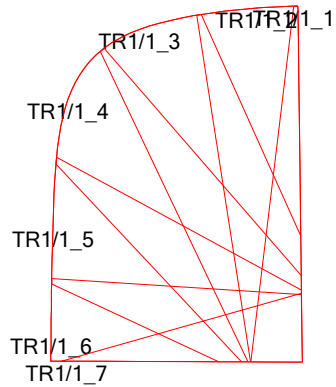
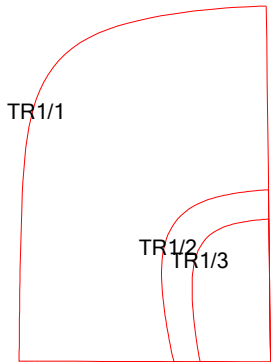
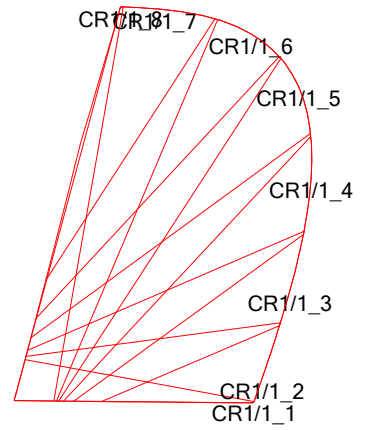
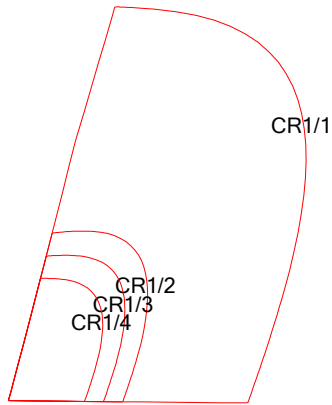
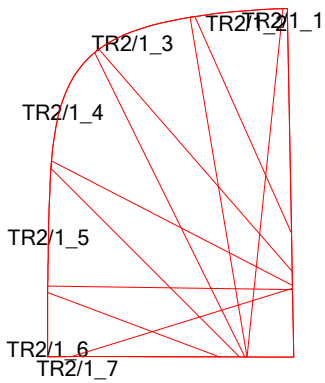
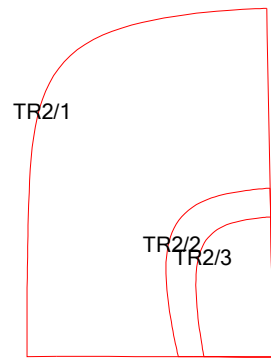
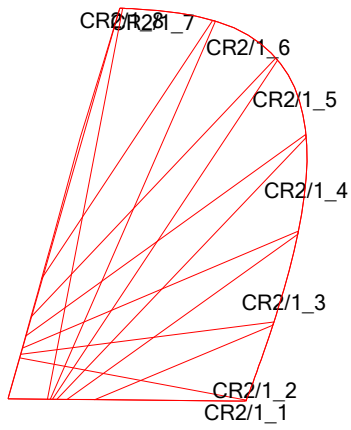
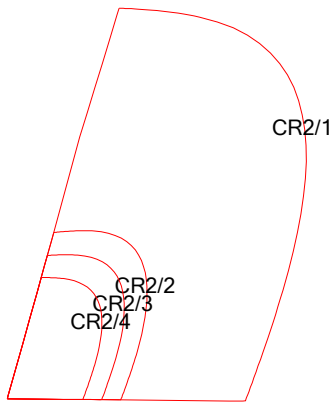
Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.038m

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

Materials		
Material	Area (m ²)	Panels
Material 1	47.45	1,2,3,4,5 6,7,8,9,10 11,12,13,14



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