

# Mainsail: 3001109 Michael-1 mainsail R0

## Design Info

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Initial Design Date: 13/11/2019  
Boat:

Client:

## Design File:

E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3001109 Michael-1-2-3-4\3001109 Michael-1 mains

Comments:  
Tack angle 88.5

## Design Data

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### Main

#### Measurements

Luff geodesic:	8.930m
Leech geodesic:	9.497m
Foot geodesic:	3.510m
Head geodesic:	0.115m
Upper width (MUW):	0.641m
Three-quarter width (MTW):	1.176m
Half width (MHW):	2.118m
Quarter width (MQW):	2.897m
Foot median:	9.219m
ORC Mainsail area:	17.863m?
Surface area:	18.437m?

### Battens

Position	Length	Roach	Angle	Full
80.000%	0.737m	0.152m	70.493?	
60.000%	1.050m	0.209m	70.493?	
40.000%	1.050m	0.174m	70.493?	
20.000%	0.950m	0.099m	70.493?	

### Reefing Points

1, Luff: 1.205m ; Leech: 1.266m ; Offset: 0.000m ; Number Eyelets: 2  
2, Luff: 2.544m ; Leech: 2.672m ; Offset: 0.000m ; Number Eyelets: 2  
3, Luff: 3.884m ; Leech: 4.078m ; Offset: 0.000m ; Number Eyelets: 2

### Luff Curve

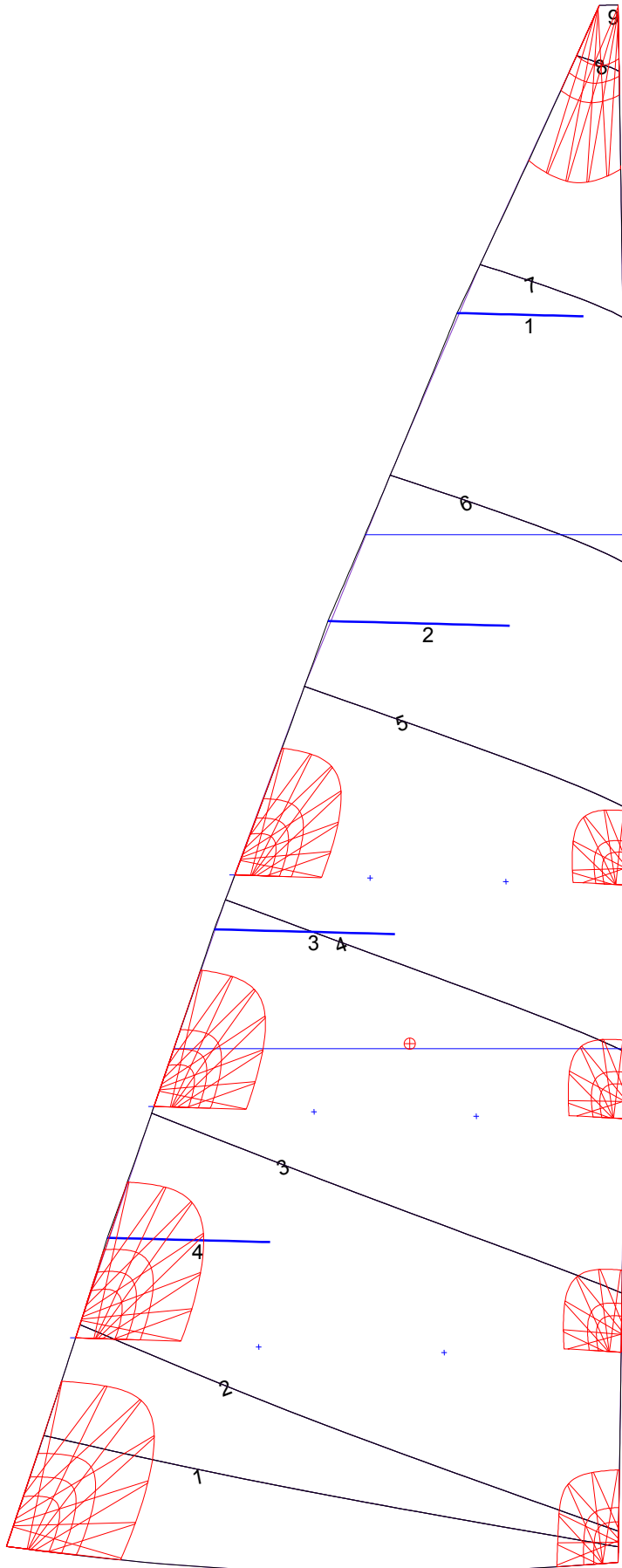
		Fanned Luff (@ 5.00% [0. Before BSeam	
8.930m,	0.000m	100% (8.930m) :	0.000m 0.000m
7.817m,	-0.019m	90% (8.037m) :	0.009m 0.034m
6.697m,	-0.032m	80% (7.144m) :	0.018m 0.068m
5.575m,	-0.039m	70% (6.251m) :	0.022m 0.094m
4.465m,	-0.040m	60% (5.358m) :	0.024m 0.112m
3.327m,	-0.037m	50% (4.465m) :	0.023m 0.119m
2.232m,	-0.030m	40% (3.572m) :	0.021m 0.117m
1.113m,	-0.017m	30% (2.679m) :	0.017m 0.105m
0.000m,	0.000m	20% (1.786m) :	0.010m 0.081m
		10% (0.893m) :	0.002m 0.041m
		0% (0.000m) :	0.000m 0.000m

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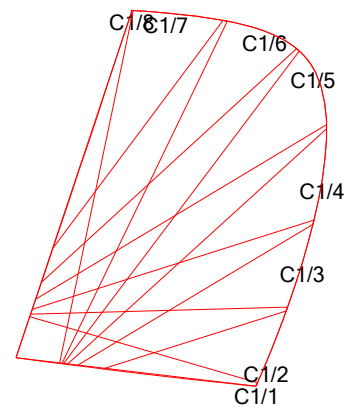
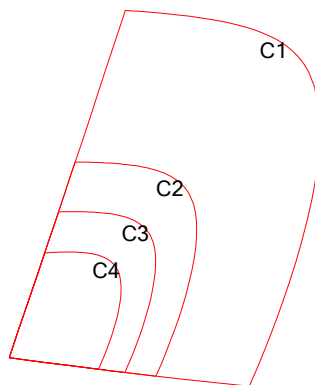
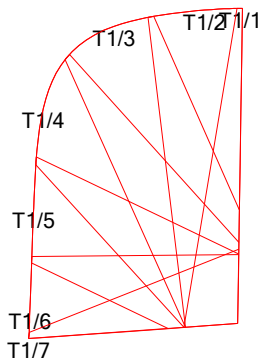
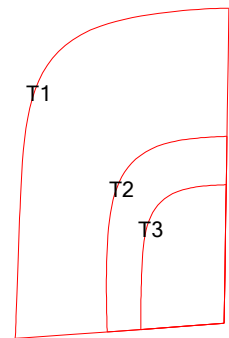
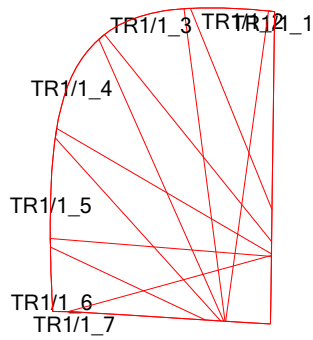
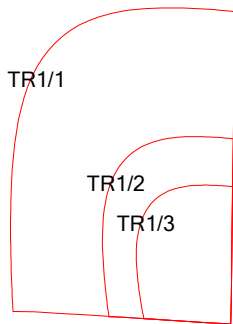
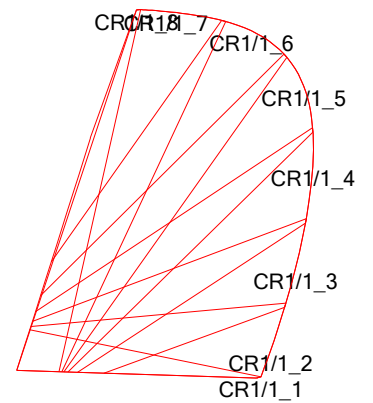
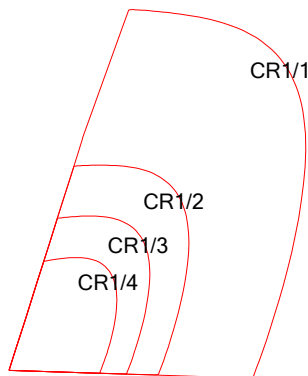
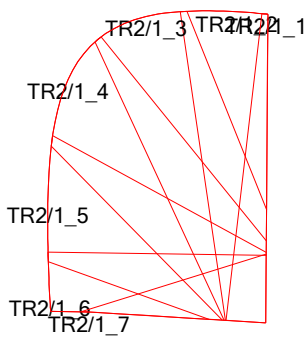
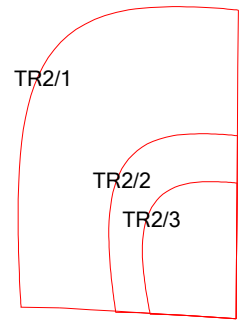
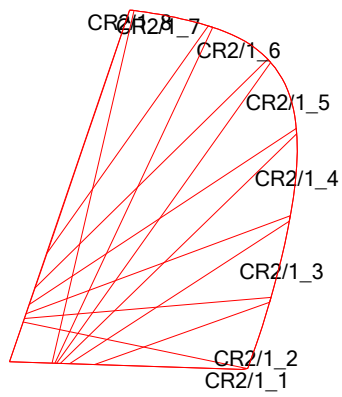
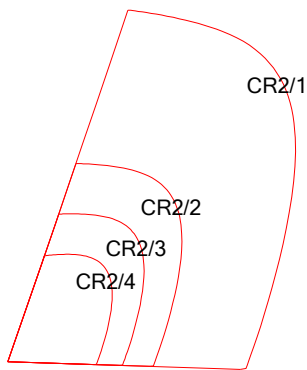
Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.025m

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

Materials		
Material	Area (m <sup>2</sup> )	Panels
Material 1	18.42	1,2,3,4,5 6,7,8,9



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