

# Mainsail: 3000609 James mainsail R1

Design Info  
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Design File:  
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3000609 James-1-2\3000609 James mainsail R1.d

Initial Design Date: 18/6/2019  
Boat:

Comments:  
tack angle 88.5

Client:

Design Data  
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## Main

### Measurements

Luff geodesic:	11.390m
Leech geodesic:	12.019m
Foot geodesic:	4.180m
Head geodesic:	0.115m
Upper width (MUW):	0.698m
Three-quarter width (MTW):	1.299m
Half width (MHW):	2.454m
Quarter width (MQW):	3.424m
Foot median:	11.681m
ORC Mainsail area:	26.537m?
Surface area:	27.089m?

### Battens

Position	Length	Roach	Angle	Full
80.000%	1.080m	0.073m	71.690?	Full
60.000%	2.030m	0.136m	71.690?	Full
40.000%	2.906m	0.185m	71.690?	Full
20.000%	3.607m	0.135m	71.690?	Full

### Reefing Points

- 1, Luff: 1.594m ; Leech: 1.663m ; Offset: 0.000m ; Number Eyelets: 4
- 2, Luff: 3.245m ; Leech: 3.389m ; Offset: 0.000m ; Number Eyelets: 3

### Luff Curve

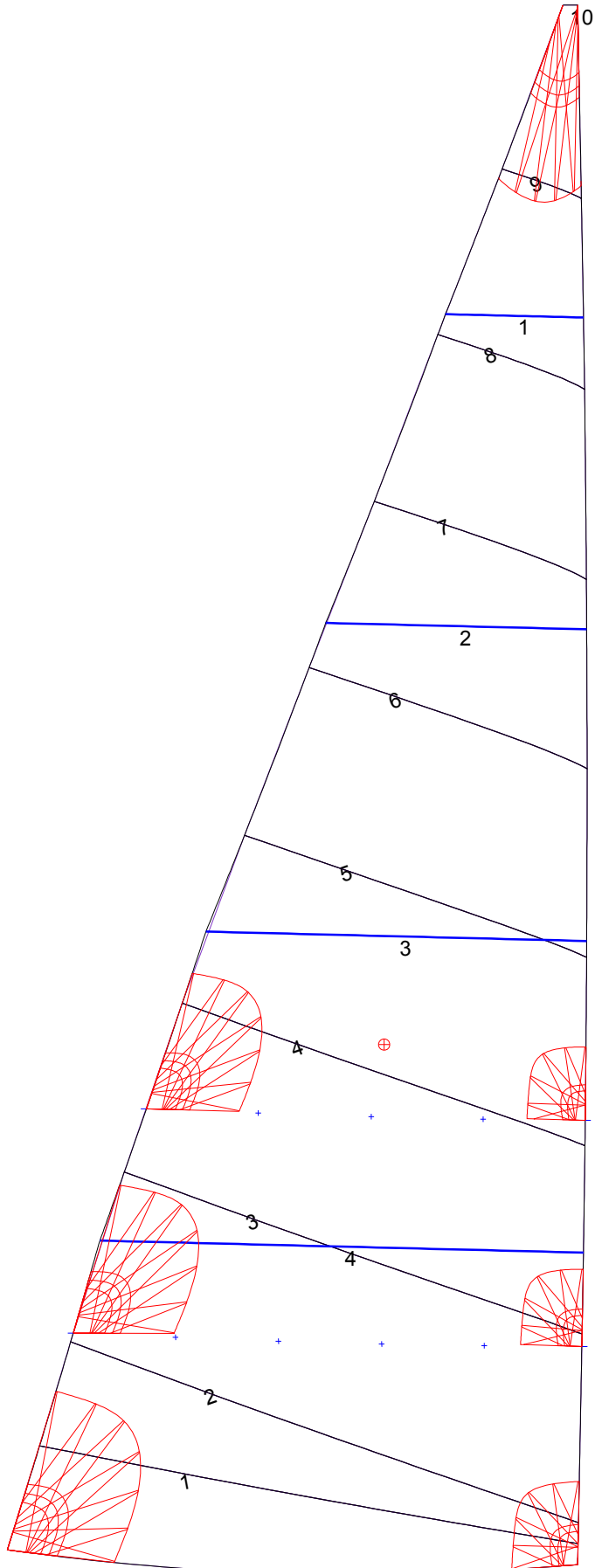
Luff Curve		Fanned Luff (@ 5.00% [0.:Before BSeam	
11.389m,	0.000m	100% (11.390m) :	0.000m 0.000m
8.542m,	-0.051m	90% (10.251m) :	0.016m 0.043m
5.695m,	-0.068m	80% (9.112m) :	0.031m 0.084m
2.847m,	-0.051m	70% (7.973m) :	0.042m 0.119m
0.000m,	0.000m	60% (6.834m) :	0.048m 0.142m
		50% (5.695m) :	0.049m 0.149m
		40% (4.556m) :	0.046m 0.140m
		30% (3.417m) :	0.039m 0.116m
		20% (2.278m) :	0.028m 0.081m
		10% (1.139m) :	0.013m 0.039m
		0% (0.000m) :	0.000m 0.000m

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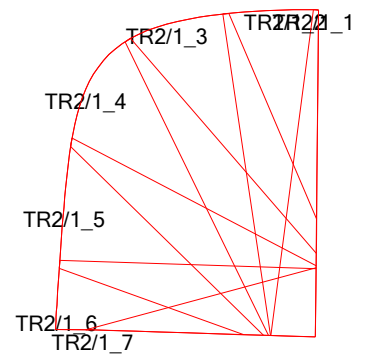
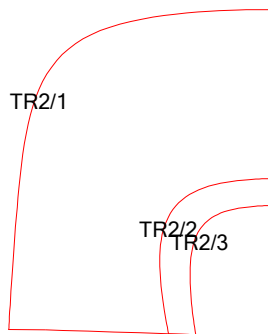
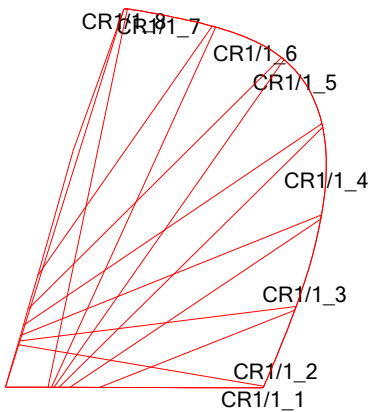
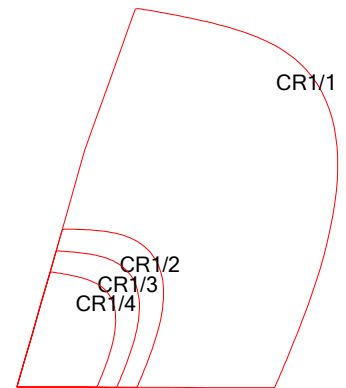
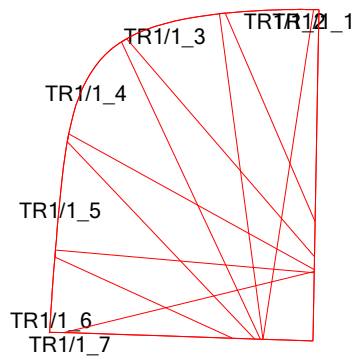
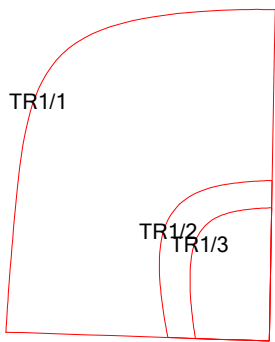
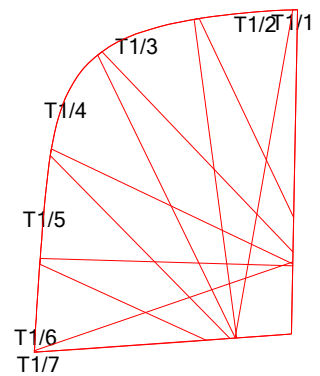
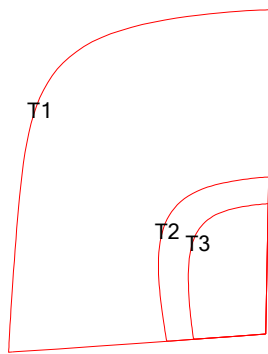
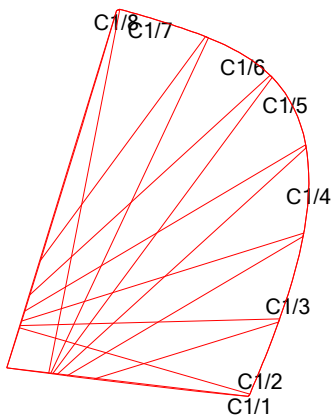
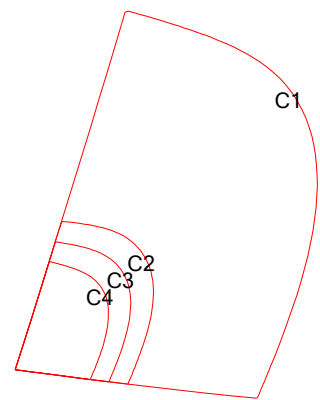
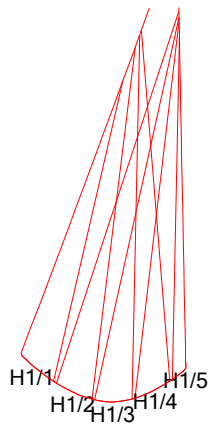
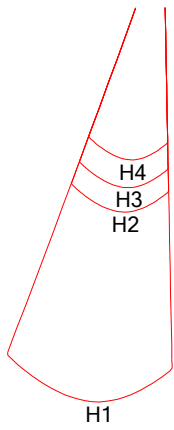
Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.030m

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

Materials		
Material	Area (m <sup>2</sup> )	Panels
Material 1	27.11	1,2,3,4,5 6,7,8,9,10



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