

# Mainsail: 3000409 Brian main R0

Design Info  
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Design File:  
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3000409 Brian\3000409 Brian main R0.des

Initial Design Date: 16/5/2019  
Boat:

Comments:  
tack angle 88.5

Client:

Design Data  
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## Main

### Measurements

Luff geodesic:	34.470Ft
Leech geodesic:	35.956Ft
Foot geodesic:	11.320Ft
Head geodesic:	0.377Ft
Upper width (MUW):	2.057Ft
Three-quarter width (MTW):	3.746Ft
Half width (MHW):	6.743Ft
Quarter width (MQW):	9.191Ft
Foot median:	35.195Ft
ORC Mainsail area:	219.966Ft?
Surface area:	223.996Ft?

### Battens

Position	Length	Roach	Angle	Full
80.000%	1.969Ft	0.383Ft	73.750?	
60.000%	3.281Ft	0.528Ft	73.750?	
40.000%	3.281Ft	0.439Ft	73.750?	
20.000%	2.953Ft	0.251Ft	73.750?	

### Reefing Points

1, Luff: 4.824Ft ; Leech: 5.007Ft ; Offset: 0.000Ft ; Number Eyelets: 2  
2, Luff: 9.648Ft ; Leech: 10.007Ft ; Offset: 0.000Ft ; Number Eyelets: 2

### Luff Curve

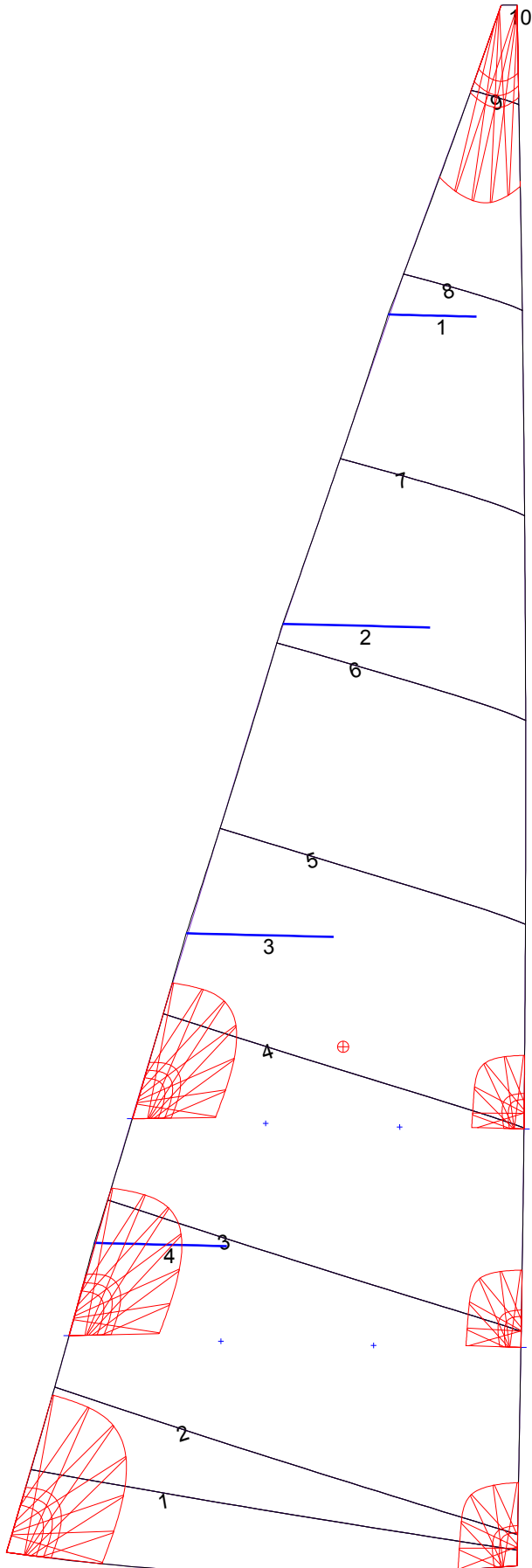
		Fanned Luff (@ 5.00% [0.!Before BSeam	
34.469Ft,	0.000Ft	100% (34.470Ft) :	0.000Ft 0.000Ft
25.851Ft,	-0.142Ft	90% (31.024Ft) :	0.044Ft 0.121Ft
17.234Ft,	-0.190Ft	80% (27.576Ft) :	0.086Ft 0.237Ft
8.617Ft,	-0.142Ft	70% (24.129Ft) :	0.114Ft 0.331Ft
0.000Ft,	0.000Ft	60% (20.682Ft) :	0.130Ft 0.390Ft
		50% (17.235Ft) :	0.133Ft 0.405Ft
		40% (13.788Ft) :	0.125Ft 0.377Ft
		30% (10.341Ft) :	0.106Ft 0.311Ft
		20% (6.894Ft) :	0.076Ft 0.217Ft
		10% (3.447Ft) :	0.035Ft 0.104Ft
		0% (0.000Ft) :	0.000Ft 0.000Ft

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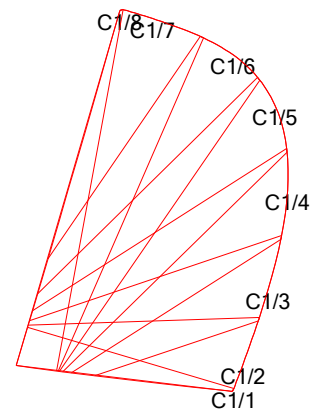
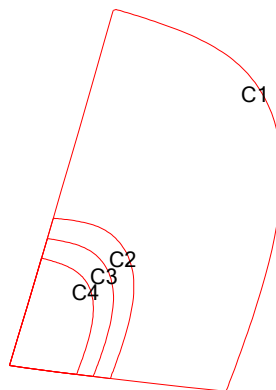
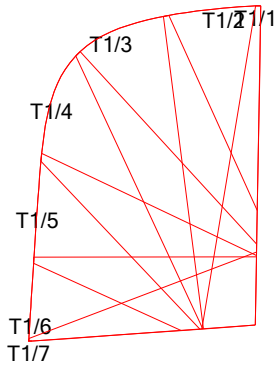
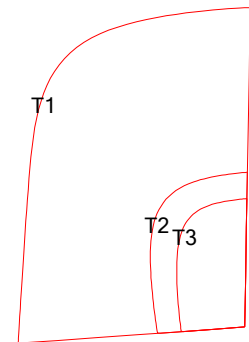
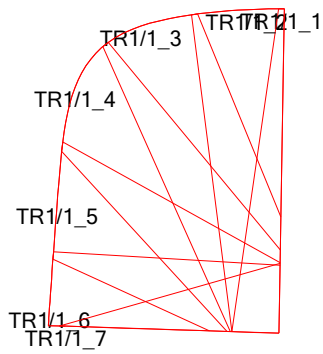
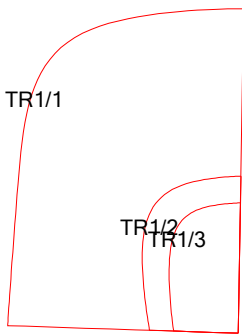
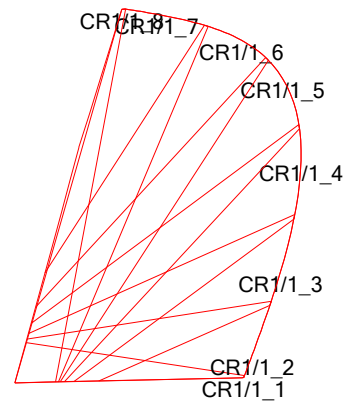
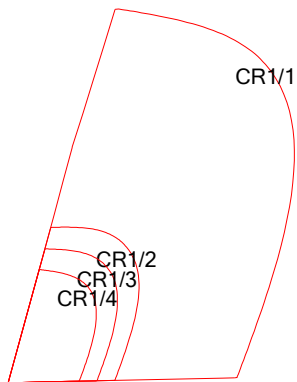
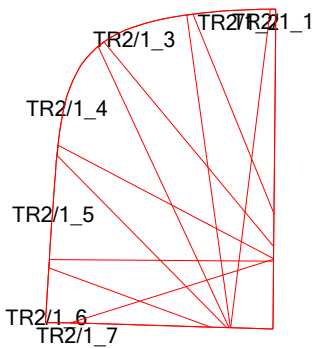
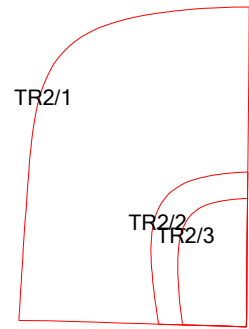
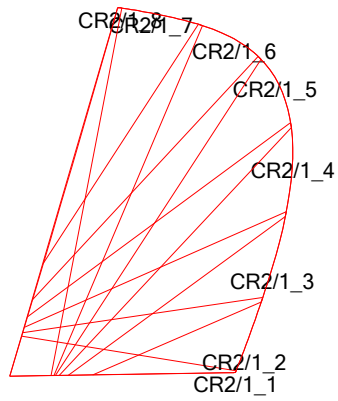
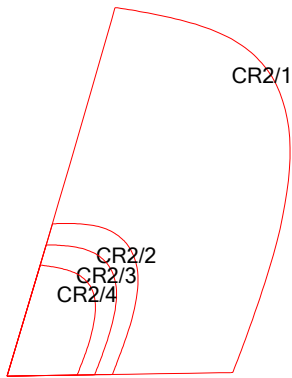
Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000Ft	0.000Ft	0.082Ft

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

Materials		
Material	Area (Ft <sup>2</sup> )	Panels
Material 1	224.18	1,2,3,4,5 6,7,8,9,10



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