

Mainsail: 3000409 Brian main R1

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3000409 Brian\3000409 Brian main R1.des

Initial Design Date: 16/5/2019
Boat:

Comments:
tack angle 88.5

Client:

Design Data
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Main

Measurements

Luff geodesic:	36.930Ft
Leech geodesic:	38.452Ft
Foot geodesic:	11.820Ft
Head geodesic:	0.377Ft
Upper width (MUW):	2.130Ft
Three-quarter width (MTW):	3.890Ft
Half width (MHW):	7.023Ft
Quarter width (MQW):	9.648Ft
Foot median:	37.450Ft
ORC Mainsail area:	246.104Ft?
Surface area:	248.503Ft?

Battens

Position	Length	Roach	Angle	Full
80.000%	2.395Ft	0.383Ft	74.143?	
60.000%	3.773Ft	0.528Ft	74.143?	
40.000%	3.773Ft	0.439Ft	74.143?	
20.000%	3.117Ft	0.251Ft	74.143?	

Reefing Points

1, Luff: 5.169Ft ; Leech: 5.358Ft ; Offset: 0.000Ft ; Number Eyelets: 2
2, Luff: 10.337Ft ; Leech: 10.709Ft ; Offset: 0.000Ft ; Number Eyelets: 2

Luff Curve

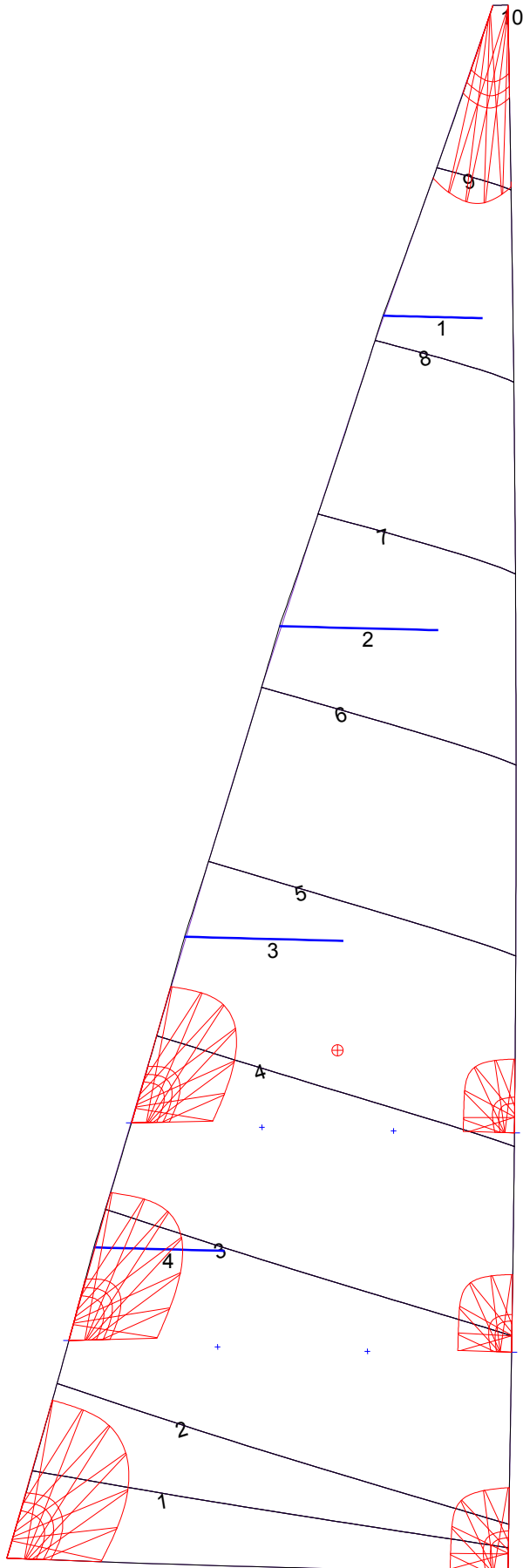
		Fanned Luff (@ 5.00% [0.!Before BSeam	
36.929Ft,	0.000Ft	100% (36.930Ft) :	0.000Ft 0.000Ft
27.696Ft,	-0.142Ft	90% (33.238Ft) :	0.041Ft 0.125Ft
18.464Ft,	-0.190Ft	80% (29.544Ft) :	0.079Ft 0.247Ft
9.232Ft,	-0.142Ft	70% (25.851Ft) :	0.106Ft 0.348Ft
0.000Ft,	0.000Ft	60% (22.158Ft) :	0.118Ft 0.410Ft
		50% (18.465Ft) :	0.119Ft 0.425Ft
		40% (14.772Ft) :	0.110Ft 0.404Ft
		30% (11.079Ft) :	0.090Ft 0.354Ft
		20% (7.386Ft) :	0.057Ft 0.261Ft
		10% (3.693Ft) :	0.015Ft 0.114Ft
		0% (0.000Ft) :	0.000Ft 0.000Ft

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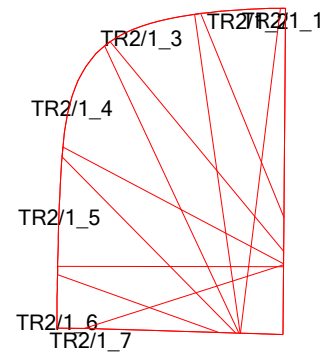
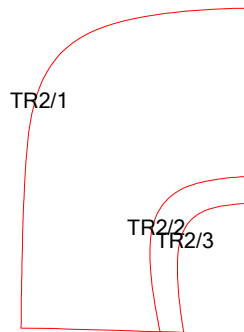
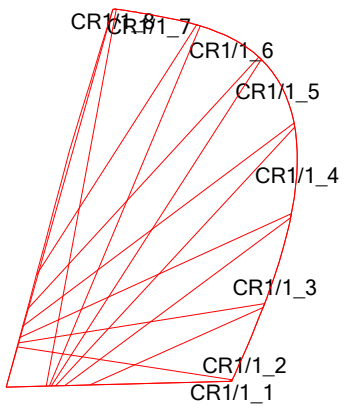
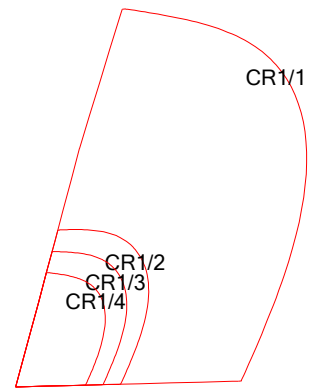
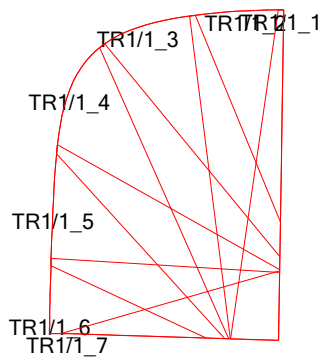
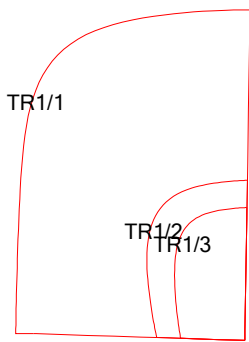
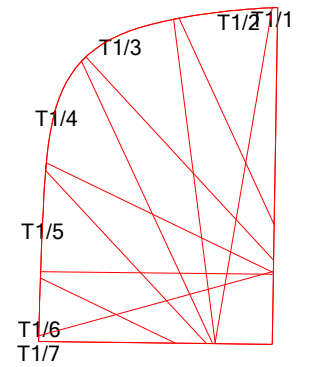
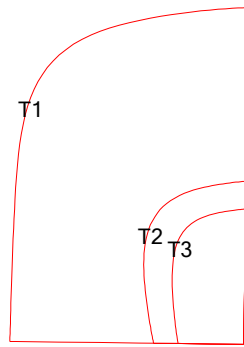
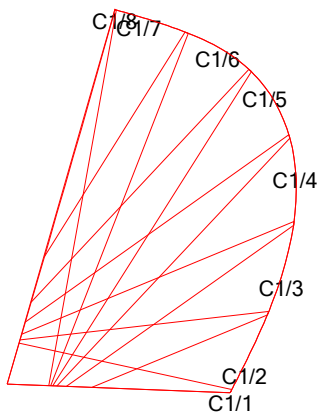
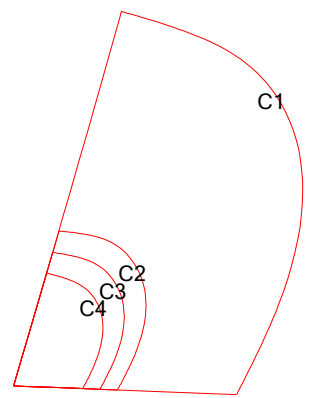
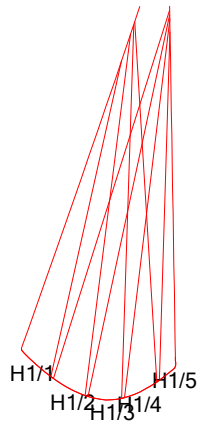
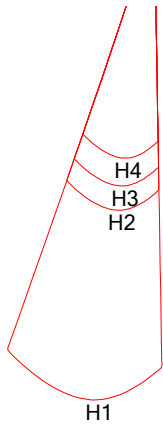
Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000Ft	0.000Ft	0.082Ft

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

Materials		
Material	Area (Ft ²)	Panels
Material 1	248.66	1,2,3,4,5 6,7,8,9,10



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