

# Mainsail: 3001029 Marcel main R0

Design Info  
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Design File:  
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3001029 Marcel\3001029 Marcel main R0.des

Initial Design Date: 31/10/2019  
Boat:

Comments:

Client:

Design Data  
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Main

Measurements

Luff geodesic:	12.125m
Leech geodesic:	12.552m
Foot geodesic:	3.610m
Head geodesic:	0.115m
Upper width (MUW):	0.681m
Three-quarter width (MTW):	1.242m
Half width (MHW):	2.203m
Quarter width (MQW):	2.970m
Foot median:	12.344m
ORC Mainsail area:	25.095m?
Surface area:	25.555m?

Battens

Position	Length	Roach	Angle	Full
80.000%	0.753m	0.165m	75.353?	
60.000%	1.076m	0.228m	75.353?	
40.000%	1.076m	0.189m	75.353?	
20.000%	0.896m	0.108m	75.353?	

Reefing Points

1, Luff: 1.636m ; Leech: 1.683m ; Offset: 0.000m ; Number Eyelets: 0  
2, Luff: 3.455m ; Leech: 3.551m ; Offset: 0.000m ; Number Eyelets: 0

Luff Curve

		Fanned Luff (@ 5.00% [0. Before BSeam	
12.125m,	0.000m	100% (12.125m) :	0.000m 0.000m
10.614m,	-0.025m	90% (10.913m) :	0.013m 0.041m
9.093m,	-0.043m	80% (9.700m) :	0.025m 0.080m
7.569m,	-0.052m	70% (8.488m) :	0.032m 0.109m
6.062m,	-0.054m	60% (7.275m) :	0.035m 0.126m
4.518m,	-0.050m	50% (6.063m) :	0.035m 0.130m
3.031m,	-0.040m	40% (4.850m) :	0.032m 0.121m
1.511m,	-0.023m	30% (3.637m) :	0.028m 0.102m
0.000m,	0.000m	20% (2.425m) :	0.021m 0.073m
		10% (1.213m) :	0.010m 0.036m
		0% (0.000m) :	0.000m 0.000m

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## Seam Allowances

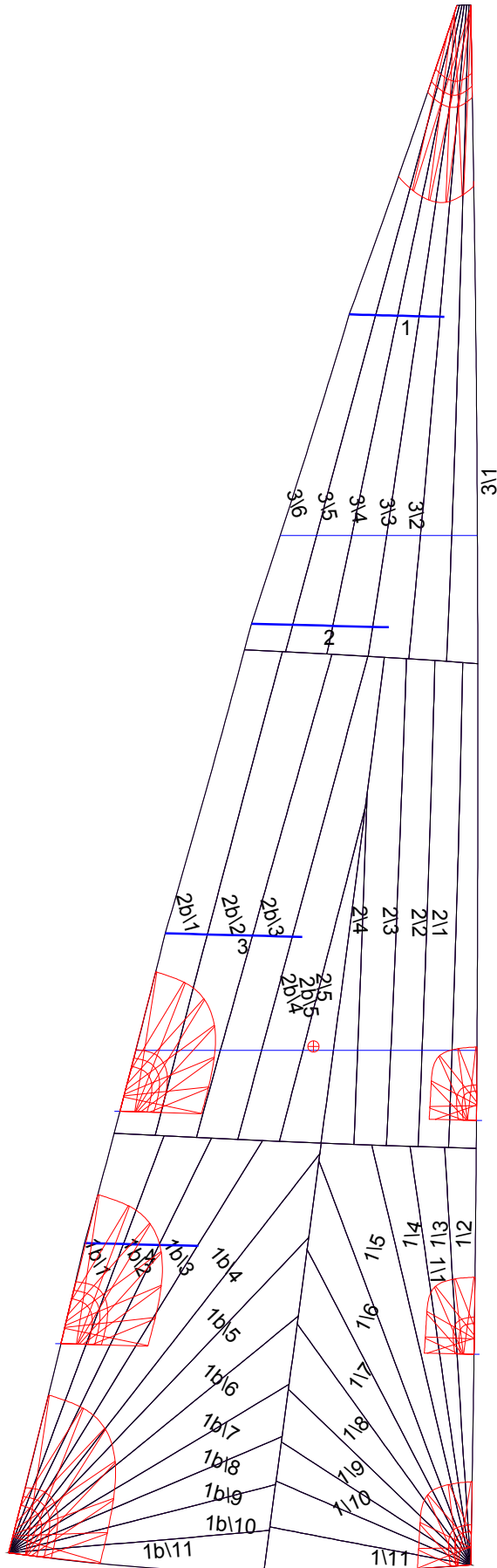
	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

## Edge Excesses

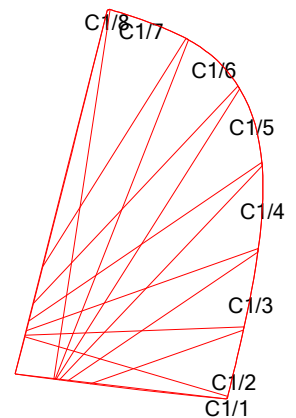
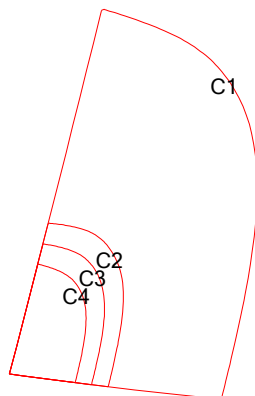
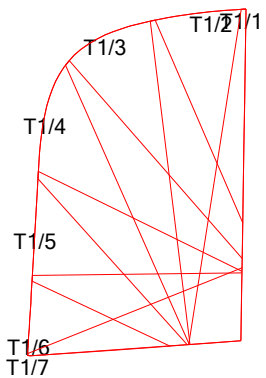
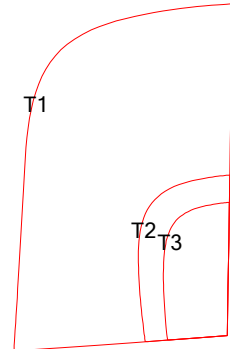
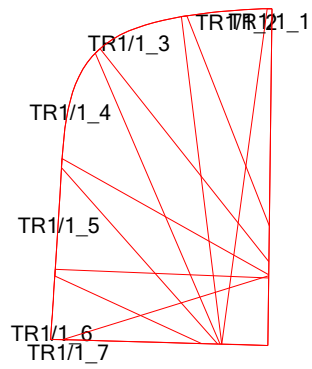
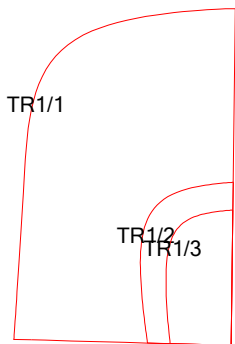
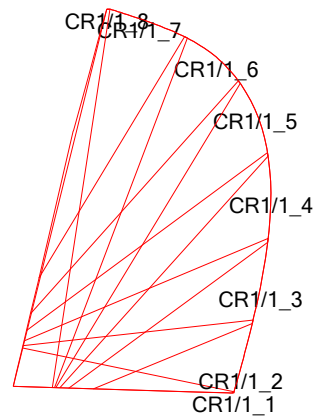
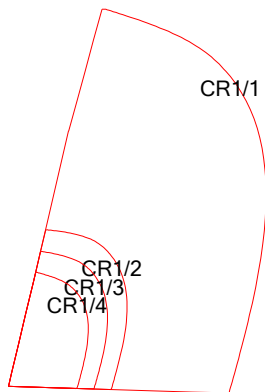
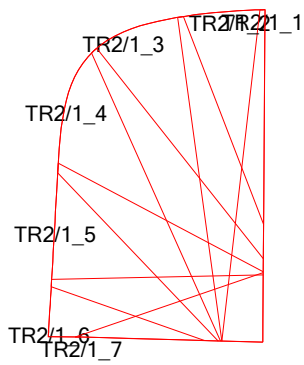
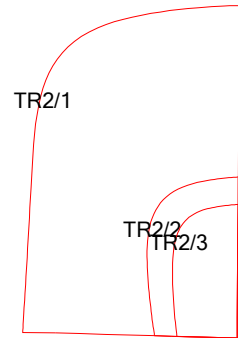
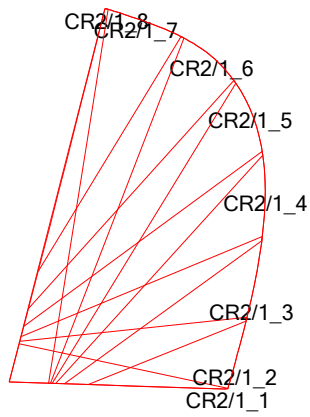
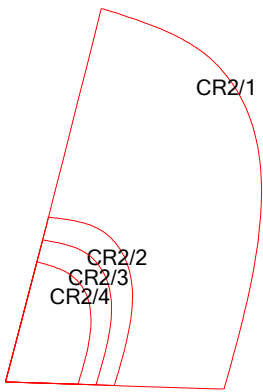
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	25.60	1\1, 1\2, 1\3, 1\4, 1\5 1\6, 1\7, 1\8, 1\9, 1\10 1\11, 1b\1, 1b\2, 1b\3, 1b\4 1b\5, 1b\6, 1b\7, 1b\8, 1b\9 1b\10, 1b\11, 2\1, 2\2, 2\3 2\4, 2\5, 2b\5, 2b\4, 2b\3 2b\2, 2b\1, 3\1, 3\2, 3\3 3\4, 3\5, 3\6



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