

# Mainsail: 4000210 Rob mainsail R1

## Design Info

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## Design File:

E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2020\4000210 Rob\4000210 Rob mainsail R1.des

Initial Design Date: 24/2/2020

Boat:

Client:

Comments:  
tack angle 87d

## Design Data

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### Main

#### Measurements

Luff geodesic:	11.409m
Leech geodesic:	11.985m
Foot geodesic:	4.203m
Head geodesic:	0.115m
Upper width (MUW):	0.737m
Three-quarter width (MTW):	1.359m
Half width (MHW):	2.479m
Quarter width (MQW):	3.448m
Foot median:	11.597m
ORC Mainsail area:	26.937m?
Surface area:	27.383m?

### Battens

Position	Length	Roach	Angle	Full
80.000%	0.860m	0.143m	71.614?	
60.000%	1.250m	0.197m	71.614?	
40.000%	1.250m	0.164m	71.614?	
20.000%	1.050m	0.093m	71.614?	

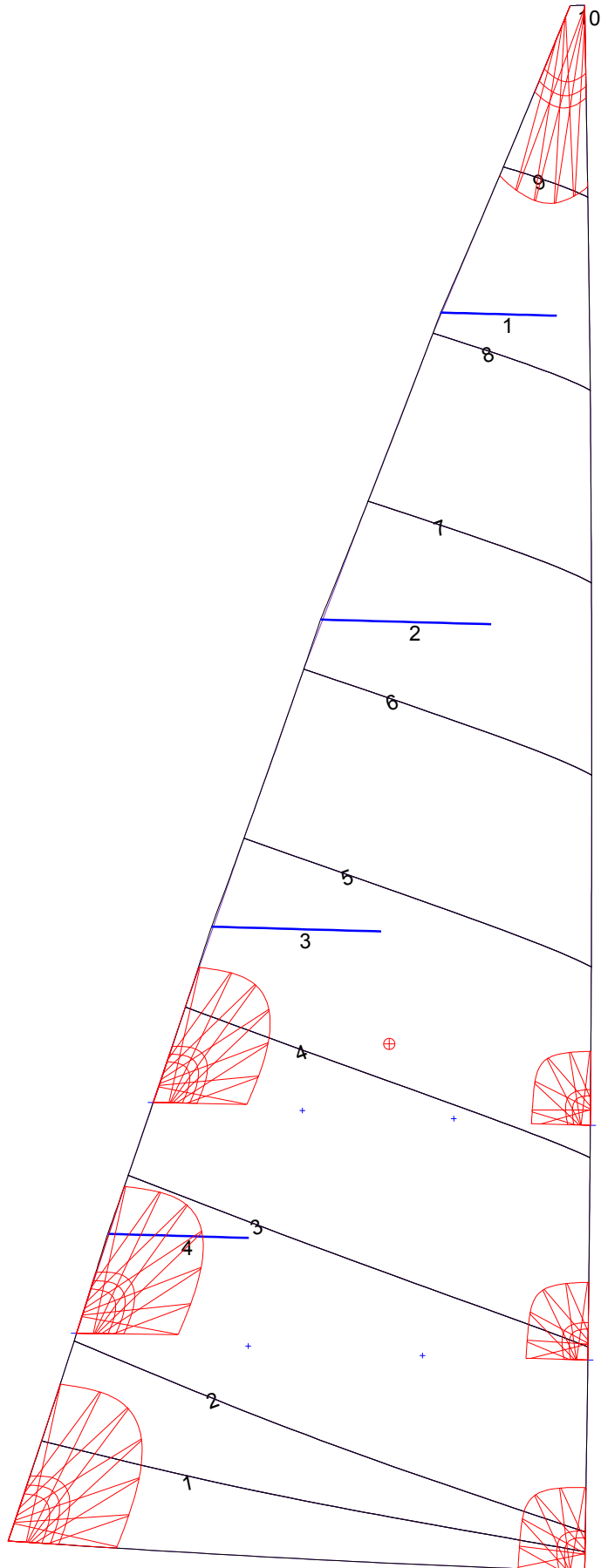
### Reefing Points

1, Luff: 1.539m ; Leech: 1.601m ; Offset: 0.000m ; Number Eyelets: 2  
2, Luff: 3.250m ; Leech: 3.377m ; Offset: 0.000m ; Number Eyelets: 2

### Luff Curve

		Fanned Luff (@ 5.00% [0.:Before BSeam	
11.409m,	0.000m	100% (11.409m) :	-0.000m -0.000m
9.987m,	-0.024m	90% (10.268m) :	0.012m 0.043m
8.556m,	-0.041m	80% (9.127m) :	0.023m 0.083m
7.122m,	-0.049m	70% (7.986m) :	0.029m 0.113m
5.704m,	-0.051m	60% (6.845m) :	0.031m 0.134m
4.251m,	-0.047m	50% (5.705m) :	0.030m 0.146m
2.852m,	-0.038m	40% (4.564m) :	0.027m 0.149m
1.422m,	-0.021m	30% (3.423m) :	0.021m 0.138m
0.000m,	0.000m	20% (2.282m) :	0.012m 0.111m
		10% (1.141m) :	0.001m 0.061m
		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

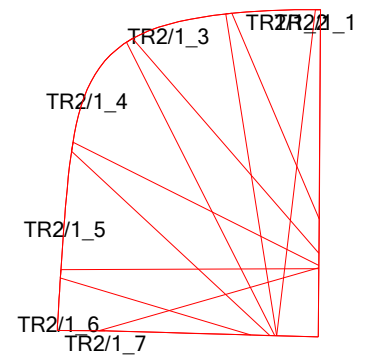
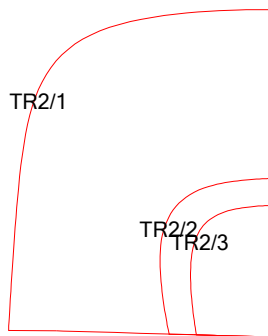
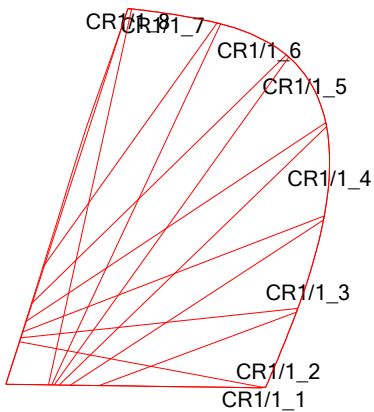
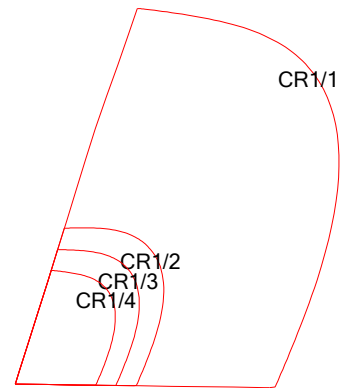
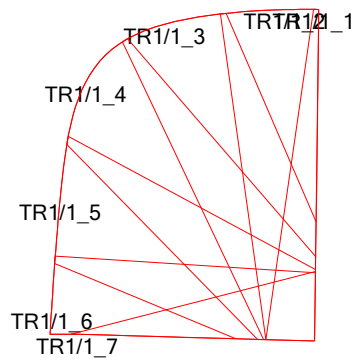
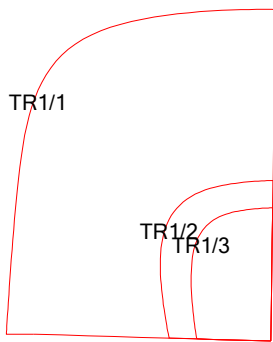
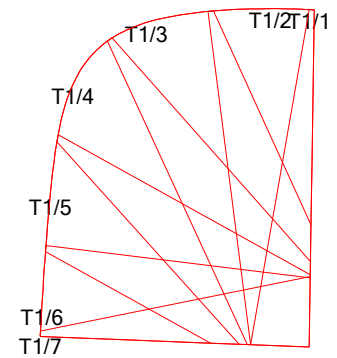
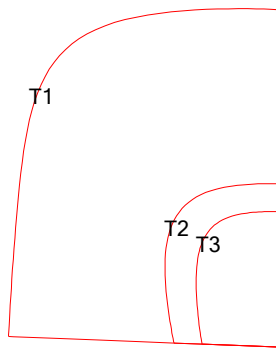
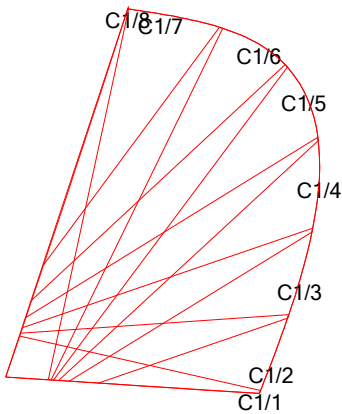
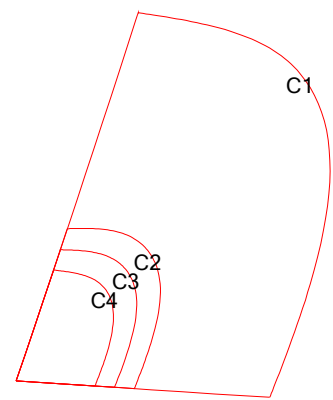
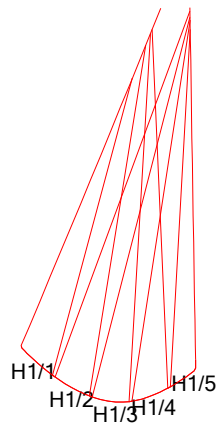
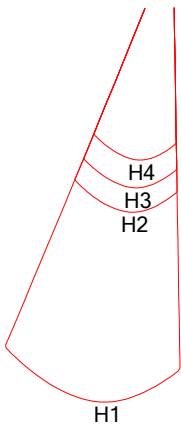
## Total Seam Lengths (m)

Horizontal	0.00
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	27.37	1,2,3,4,5 6,7,8,9,10

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