

# Mainsail: 3000101 Alan mainsial.des

## Design Info

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Initial Design Date: 30/1/2019  
Boat:

Client:

## Design File:

G:\System\Dropbox\Dropbox\Dropbox\Dropbox\Fareastsails sails\order\Mike computer\Fareast Sails Production

Comments:

## Design Data

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### Main

#### Measurements

Luff geodesic:	10.595m
Leech geodesic:	11.275m
Foot geodesic:	4.127m
Head geodesic:	0.115m
Upper width (MUW):	0.788m
Three-quarter width (MTW):	1.444m
Half width (MHW):	2.541m
Quarter width (MQW):	3.403m
Foot median:	10.878m
ORC Mainsail area:	25.193m <sup>2</sup>
Surface area:	25.809m <sup>2</sup>

#### Battens

Position	Length	Roach	Angle	Full
80.000%	0.861m	0.203m	70.614°	
60.000%	1.230m	0.276m	70.614°	
40.000%	1.230m	0.227m	70.614°	
20.000%	1.025m	0.128m	70.614°	

#### Reefing Points

1, Luff: 1.589m ; Leech: 1.669m ; Offset: 0.000m ; Number Eyelets: 2  
2, Luff: 3.177m ; Leech: 3.336m ; Offset: 0.000m ; Number Eyelets: 2  
3, Luff: 4.766m ; Leech: 5.005m ; Offset: 0.000m ; Number Eyelets: 2

#### Luff Curve

Luff Curve		Fanned Luff (@ 5.00% [0.:Before BSeam		
10.593m,	0.000m	100% (10.595m) :	0.000m	0.000m
9.524m,	-0.038m	90% (9.536m) :	0.029m	0.067m
8.475m,	-0.068m	80% (8.476m) :	0.050m	0.121m
7.405m,	-0.086m	70% (7.417m) :	0.063m	0.155m
6.355m,	-0.095m	60% (6.357m) :	0.068m	0.172m
4.788m,	-0.091m	50% (5.297m) :	0.067m	0.171m
3.178m,	-0.071m	40% (4.238m) :	0.061m	0.155m
1.682m,	-0.042m	30% (3.178m) :	0.050m	0.127m
0.000m,	0.000m	20% (2.119m) :	0.035m	0.088m
		10% (1.060m) :	0.018m	0.042m
		0% (0.000m) :	0.000m	0.000m

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## Seam Allowances

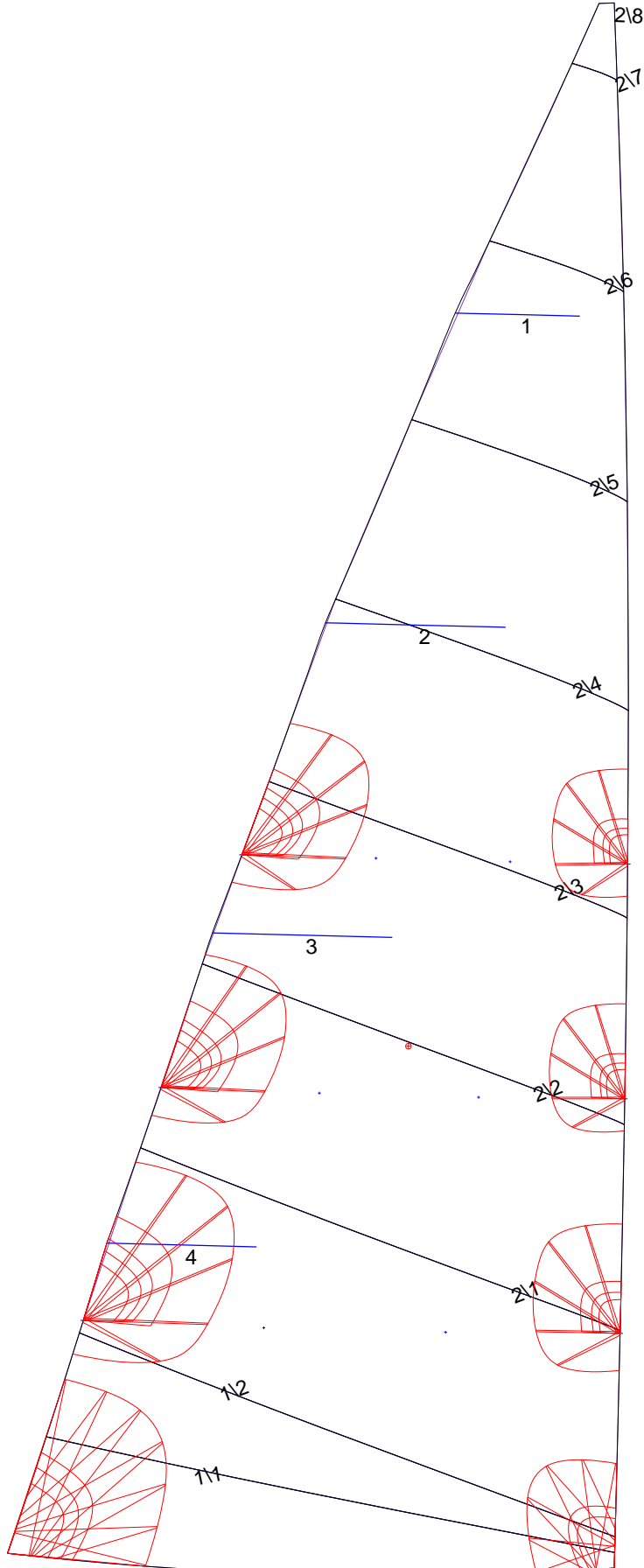
	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.025m
Zone: 2	0.000m	0.000m	0.025m

## Edge Excesses

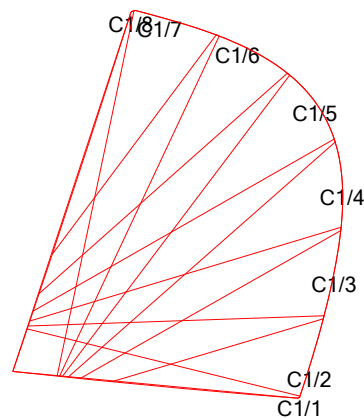
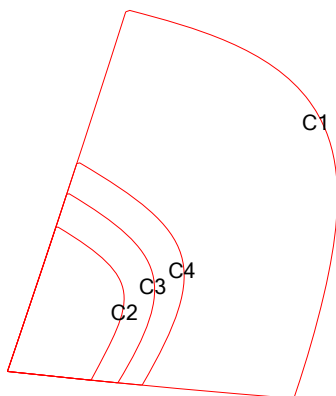
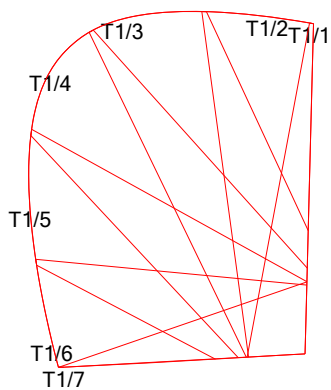
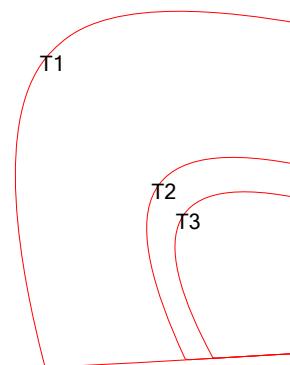
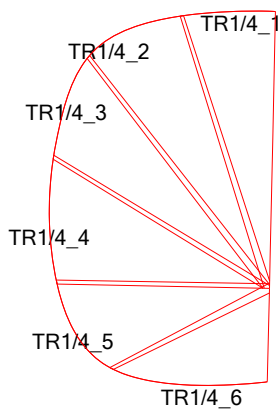
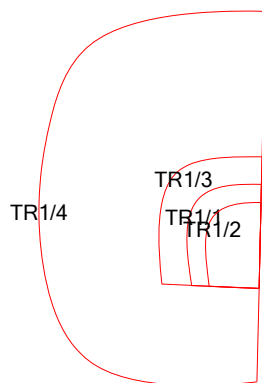
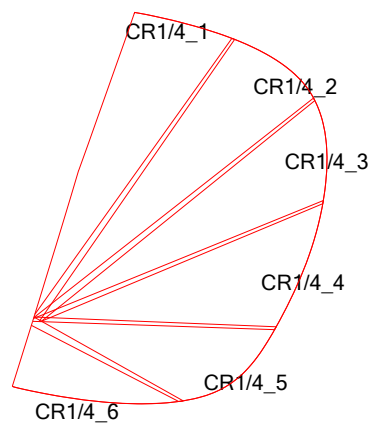
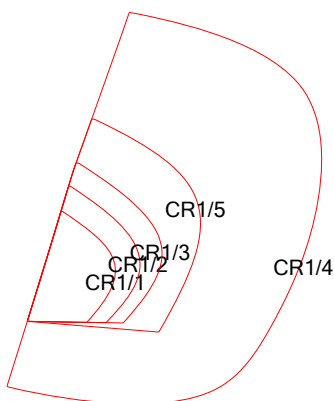
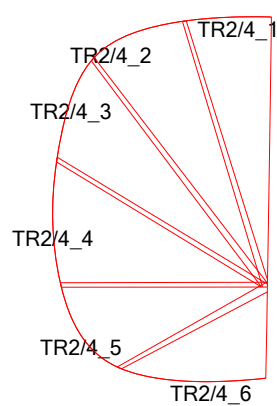
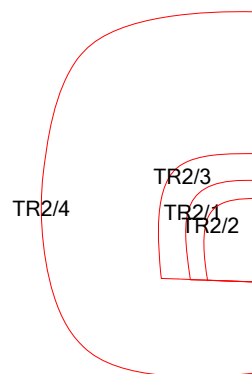
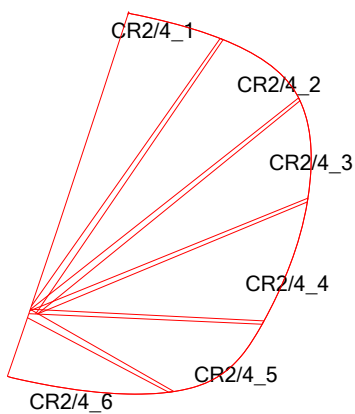
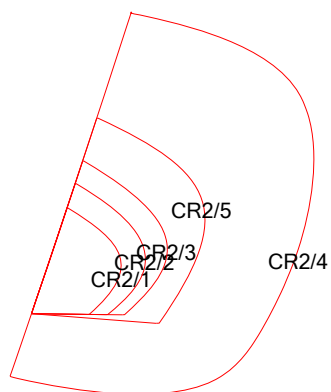
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	25.81	1\1,1\2,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8



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