

Mainsail: 3000503 Stephen mainsail R0

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3000503 Stephen\3000503 Stephen mainsail R0.d

Initial Design Date: 14/5/2019
Boat:

Comments:
Tack angle 88.5

Client:

Design Data
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Main

Measurements

Luff geodesic:	7.580m
Leech geodesic:	7.877m
Foot geodesic:	2.460m
Head geodesic:	0.115m
Upper width (MUW):	0.471m
Three-quarter width (MTW):	0.836m
Half width (MHW):	1.480m
Quarter width (MQW):	2.005m
Foot median:	7.729m
ORC Mainsail area:	10.623m?
Surface area:	10.829m?

Battens

Position	Length	Roach	Angle	Full
80.000%	0.718m	0.083m	74.177?	Full
60.000%	1.262m	0.115m	74.177?	Full
40.000%	1.715m	0.095m	74.177?	Full
20.000%	2.105m	0.054m	74.177?	Full

Reefing Points

1, Luff: 1.061m ; Leech: 1.095m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 2.122m ; Leech: 2.190m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

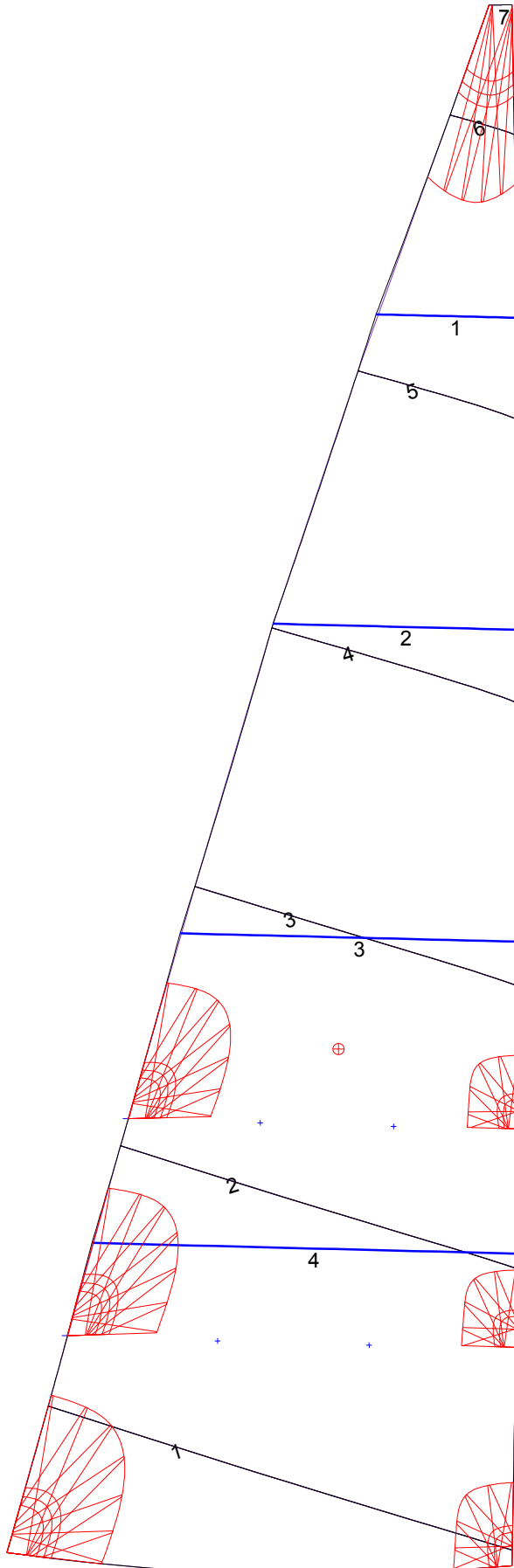
		Fanned Luff (@ 5.00% [0. Before BSeam	
7.580m,	0.000m	100% (7.580m) :	0.000m 0.000m
5.685m,	-0.031m	90% (6.822m) :	0.010m 0.024m
3.790m,	-0.042m	80% (6.064m) :	0.020m 0.048m
1.895m,	-0.031m	70% (5.306m) :	0.027m 0.069m
0.000m,	0.000m	60% (4.548m) :	0.031m 0.082m
		50% (3.790m) :	0.032m 0.087m
		40% (3.032m) :	0.030m 0.082m
		30% (2.274m) :	0.026m 0.068m
		20% (1.516m) :	0.018m 0.049m
		10% (0.758m) :	0.009m 0.024m
		0% (0.000m) :	0.000m 0.000m

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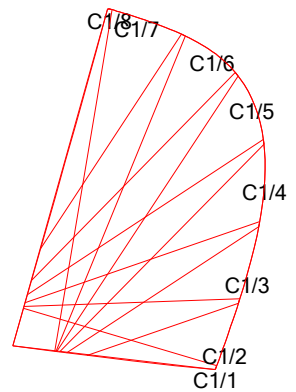
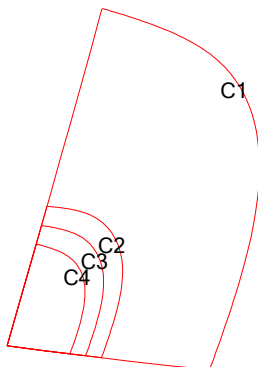
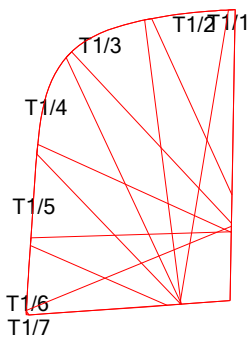
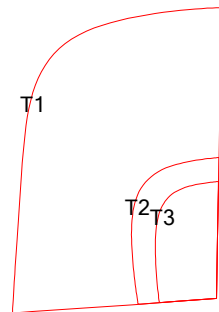
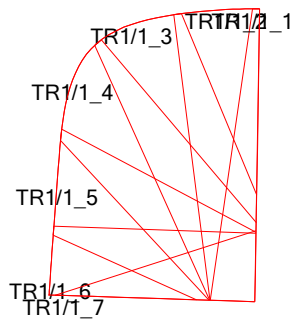
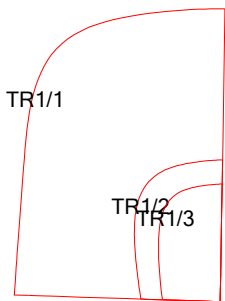
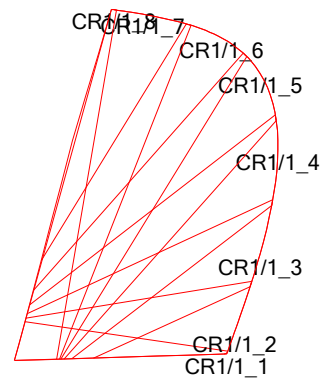
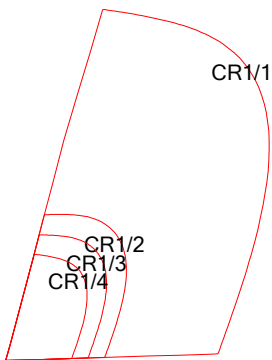
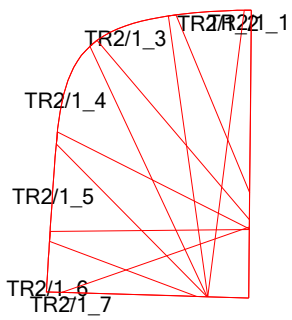
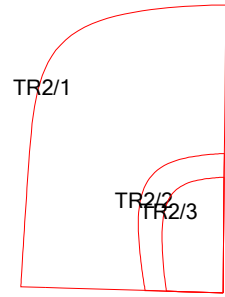
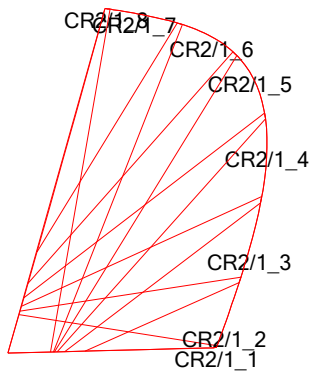
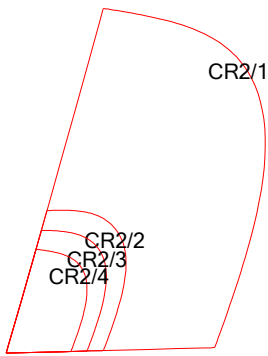
Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.025m

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

Materials		
Material	Area (m ²)	Panels
Material 1	10.83	1,2,3,4,5 6,7



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