

Mainsail: 3001142 Ron mainsail R1

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3001142 Ron\3001142 Ron mainsail R1.des

Initial Design Date: 10/12/2019
Boat:

Comments:
tack angle 88.5

Client:

Design Data
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Main

Measurements

Luff geodesic:	9.620m
Leech geodesic:	10.062m
Foot geodesic:	3.140m
Head geodesic:	0.115m
Upper width (MUW):	0.577m
Three-quarter width (MTW):	1.043m
Half width (MHW):	1.867m
Quarter width (MQW):	2.545m
Foot median:	9.821m
ORC Mainsail area:	17.029m?
Surface area:	17.354m?

Battens

Position	Length	Roach	Angle	Full
80.000%	0.889m	0.107m	73.957?	Full
60.000%	1.585m	0.148m	73.957?	Full
40.000%	2.167m	0.123m	73.957?	Full
20.000%	2.675m	0.070m	73.957?	Full

Reefing Points

1, Luff: 1.298m ; Leech: 1.345m ; Offset: 0.000m ; Number Eyelets: 2
 2, Luff: 2.645m ; Leech: 2.738m ; Offset: 0.000m ; Number Eyelets: 2
 3, Luff: 4.184m ; Leech: 4.331m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

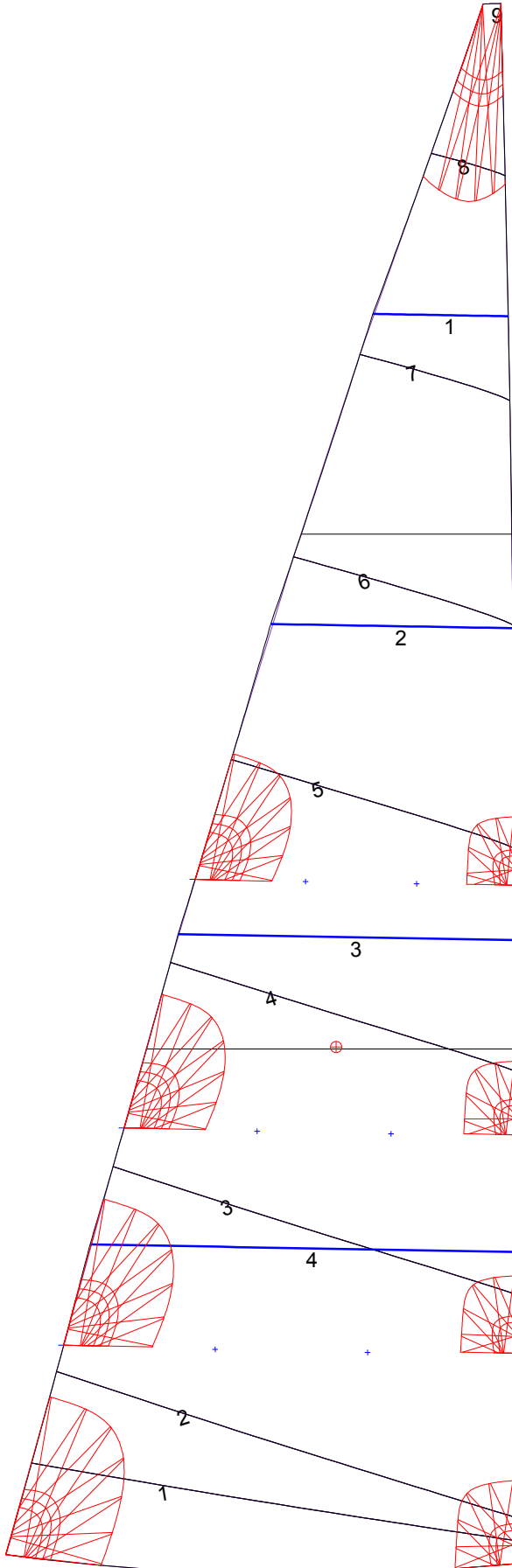
Luff Curve		Fanned Luff (@ 5.00% [0. Before BSeam	
9.620m,	0.000m	100% (9.620m) :	0.000m 0.000m
8.421m,	-0.020m	90% (8.658m) :	0.012m 0.032m
7.215m,	-0.035m	80% (7.696m) :	0.022m 0.062m
6.006m,	-0.042m	70% (6.734m) :	0.028m 0.086m
4.810m,	-0.044m	60% (5.772m) :	0.031m 0.100m
3.584m,	-0.040m	50% (4.810m) :	0.031m 0.103m
2.405m,	-0.032m	40% (3.848m) :	0.028m 0.095m
1.199m,	-0.018m	30% (2.886m) :	0.024m 0.078m
0.000m,	0.000m	20% (1.924m) :	0.017m 0.055m
		10% (0.962m) :	0.009m 0.027m
		0% (0.000m) :	0.000m 0.000m

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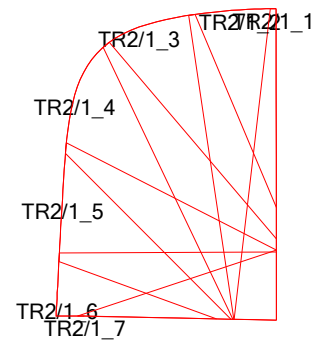
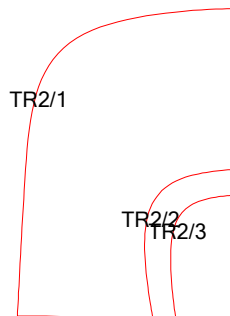
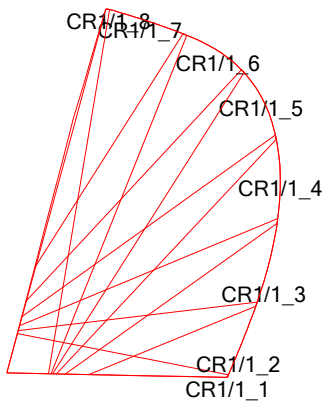
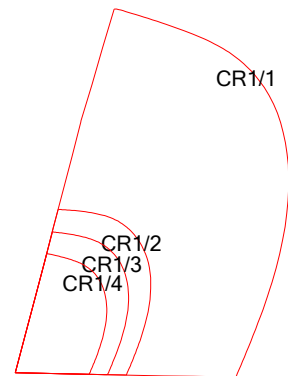
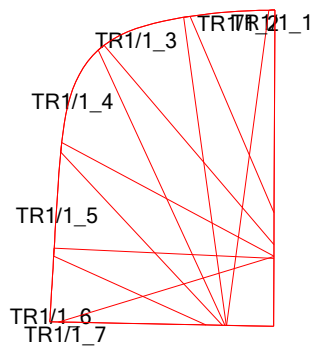
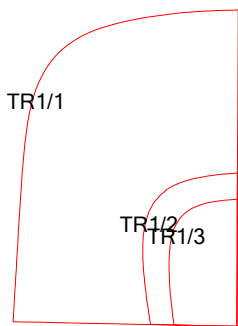
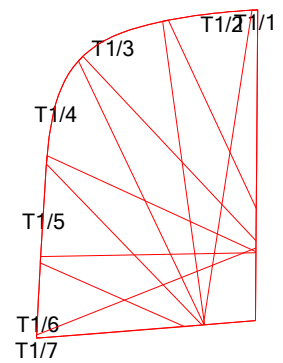
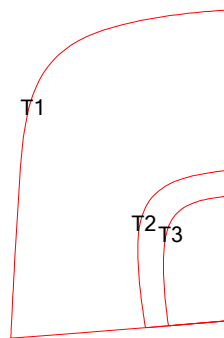
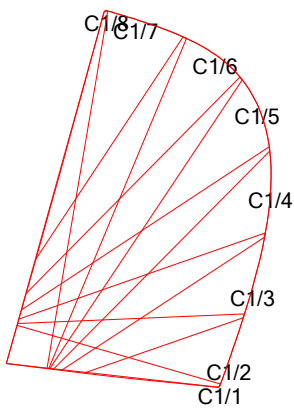
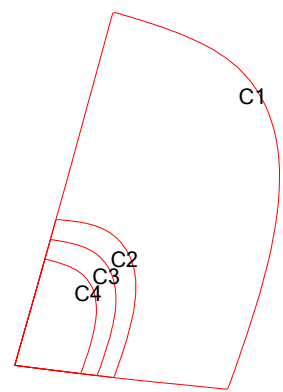
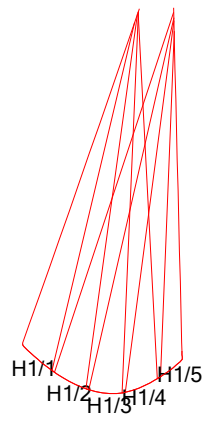
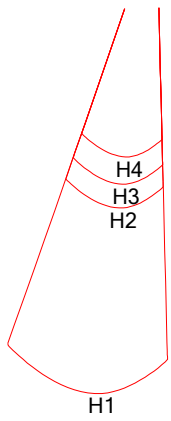
Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.025m

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

Materials		
Material	Area (m ²)	Panels
Material 1	17.36	1,2,3,4,5 6,7,8,9



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