

Mainsail: 3000316 Mike-1 main R0

Design Info
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Design File:
E:\Dropbox\Mike computer\Fareast Sails Production\2019\3000316 Mike-1-2\3000316 Mike-1 main R0.des

Initial Design Date: 22/3/2019
Boat:

Client:

Design Data
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Comments:
tack angle 88.5

luff length including special headboard B1,

reef # 1=13.5%% , reef#2 =27%%, reef#3=42%%.

all corners radial patch, cunningham above tack 350mm .

Main

Measurements

Luff geodesic:	16.050m
Leech geodesic:	16.836m
Foot geodesic:	5.610m
Head geodesic:	0.200m
Upper width (MUW):	1.004m
Three-quarter width (MTW):	1.809m
Half width (MHW):	3.245m
Quarter width (MQW):	4.489m
Foot median:	16.388m
ORC Mainsail area:	49.940m?
Surface area:	50.772m?

Battens

Position	Length	Roach	Angle	Full
83.333%	1.328m	0.184m	72.719?	Full
66.667%	2.375m	0.286m	72.719?	Full
50.000%	3.281m	0.270m	72.719?	Full
33.333%	4.119m	0.214m	72.719?	Full
16.667%	4.880m	0.114m	72.719?	Full

Reefing Points

1, Luff: 2.167m ; Leech: 2.255m ; Offset: 0.000m ; Number Eyelets: 4
 2, Luff: 4.333m ; Leech: 4.509m ; Offset: 0.000m ; Number Eyelets: 4
 3, Luff: 6.741m ; Leech: 7.014m ; Offset: 0.000m ; Number Eyelets: 3

Luff Curve

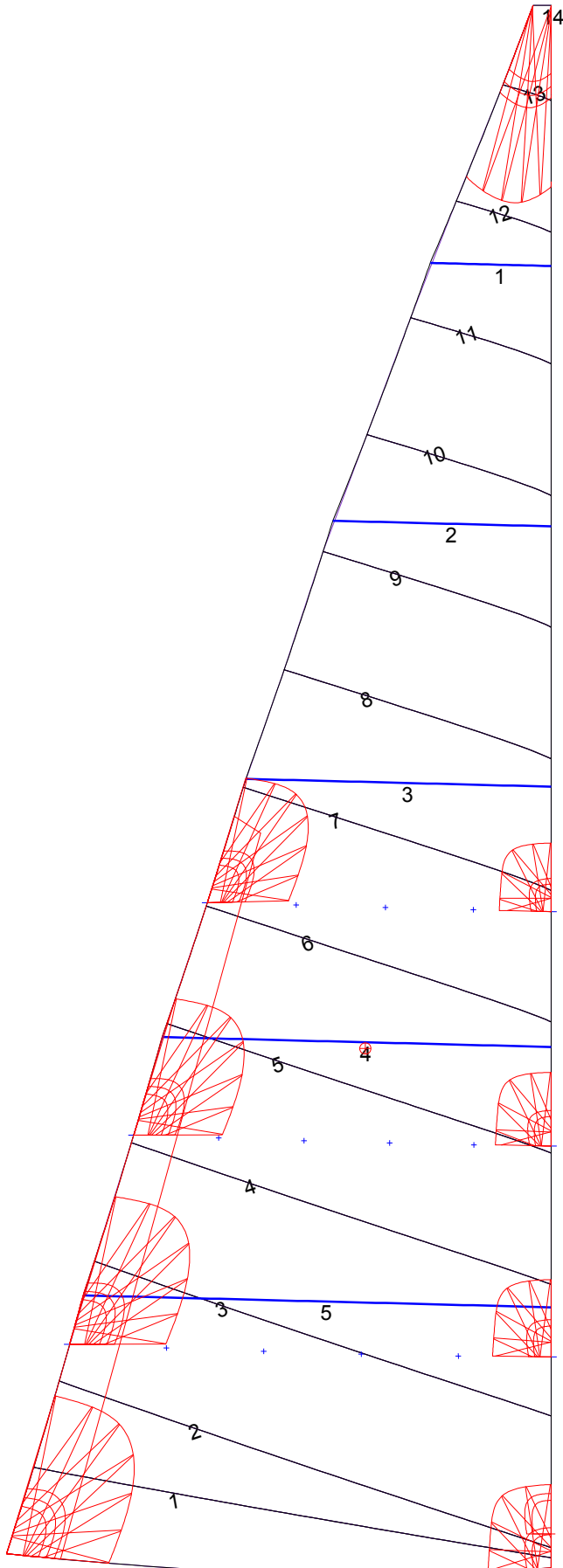
		Fanned Luff (@ 5.00% [0. Before BSeam	
16.050m,	0.000m	100% (16.050m) :	0.000m 0.000m
12.037m,	0.000m	90% (14.445m) :	-0.001m 0.027m
8.025m,	0.000m	80% (12.840m) :	-0.002m 0.053m
4.013m,	0.000m	70% (11.235m) :	-0.002m 0.073m
0.000m,	0.000m	60% (9.630m) :	-0.003m 0.084m
		50% (8.025m) :	-0.005m 0.087m
		40% (6.420m) :	-0.007m 0.081m
		30% (4.815m) :	-0.008m 0.067m
		20% (3.210m) :	-0.008m 0.045m
		10% (1.605m) :	-0.006m 0.019m
		0% (0.000m) :	-0.000m 0.000m

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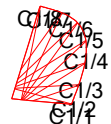
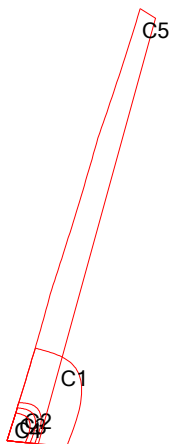
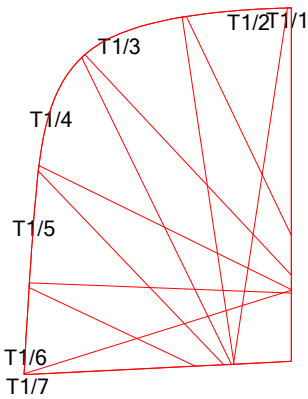
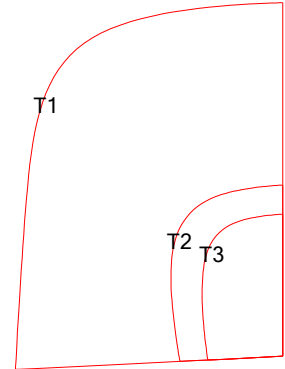
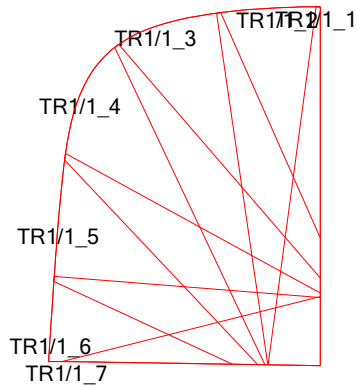
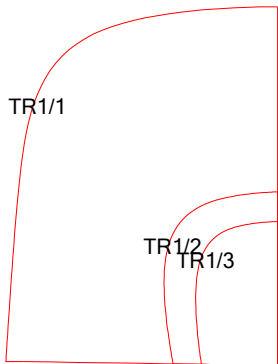
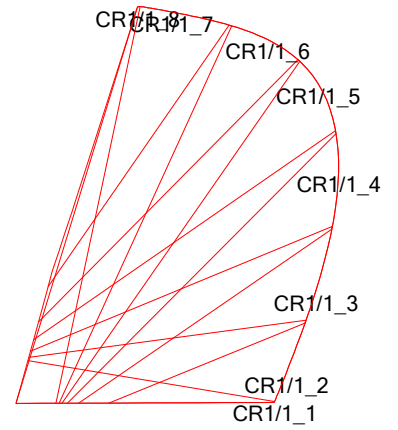
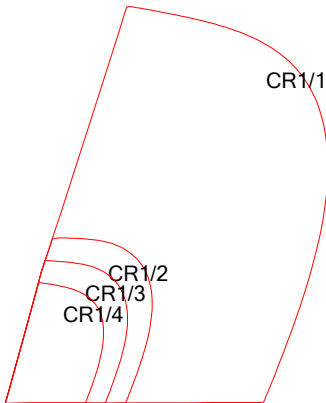
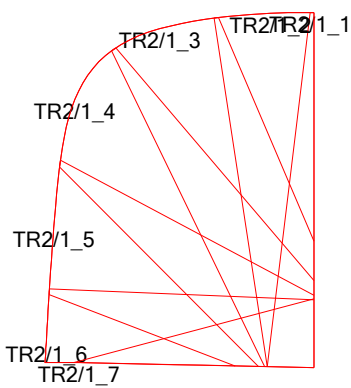
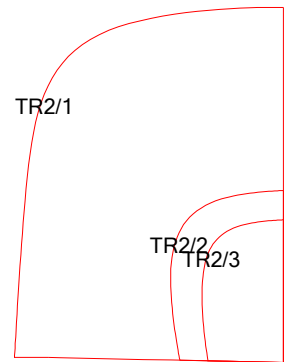
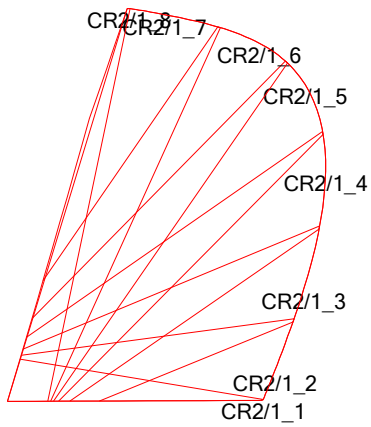
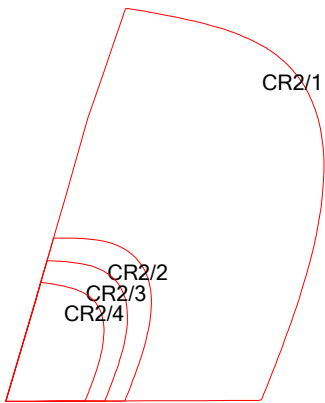
Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.045m

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

Materials		
Material	Area (m ²)	Panels
Material 1	50.85	1,2,3,4,5 6,7,8,9,10 11,12,13,14



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