Mainsail: 3000735 Jason-1 mainsail R1

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3000735 Jason\3000735 Jason-1 mainsail R1.des

Comments:
tack angle 88.5

Initial Design Date: 22/8/2019
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	22.500Ft
Leech geodesic:	23.999Ft
Foot geodesic:	9.250Ft
Head geodesic:	0.344Ft
Upper width (MUW):	1.661Ft
Three-quarter width (MTW):	3.023Ft
Half width (MHW):	5.471Ft
Quarter width (MQW):	7.564Ft
Foot median:	23.032Ft
ORC Mainsail area:	117.237Ft?
Surface area:	119.640Ft?

Battens

Position	Length	Roach	Angle	Full
80.000%	2.610Ft	0.311Ft	69.794?	Full
60.000%	4.660Ft	0.428Ft	69.794?	Full
40.000%	2.297Ft	0.356Ft	69.794?	
20.000%	2.297Ft	0.203Ft	69.794?	

Reefing Points

1, Luff: 3.149Ft ; Leech: 3.319Ft ; Offset: 0.000Ft ; Number Eyelets: 2

Luff Curve

22.499Ft,	0.000Ft
19.696Ft,	-0.046Ft
16.875Ft,	-0.080Ft
14.046Ft,	-0.096Ft
11.249Ft,	-0.100Ft
8.383Ft,	-0.092Ft
5.625Ft,	-0.074Ft
2.804Ft,	-0.042Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.4	Before	BSeam
100% (22.500Ft) :	0.000Ft	0.000Ft
90% (20.250Ft) :	0.026Ft	0.078Ft
80% (18.000Ft) :	0.050Ft	0.156Ft
70% (15.750Ft) :	0.064Ft	0.221Ft
60% (13.500Ft) :	0.069Ft	0.266Ft
50% (11.250Ft) :	0.068Ft	0.288Ft
40% (9.000Ft) :	0.061Ft	0.288Ft
30% (6.750Ft) :	0.049Ft	0.268Ft
20% (4.500Ft) :	0.031Ft	0.214Ft
10% (2.250Ft) :	0.008Ft	0.115Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

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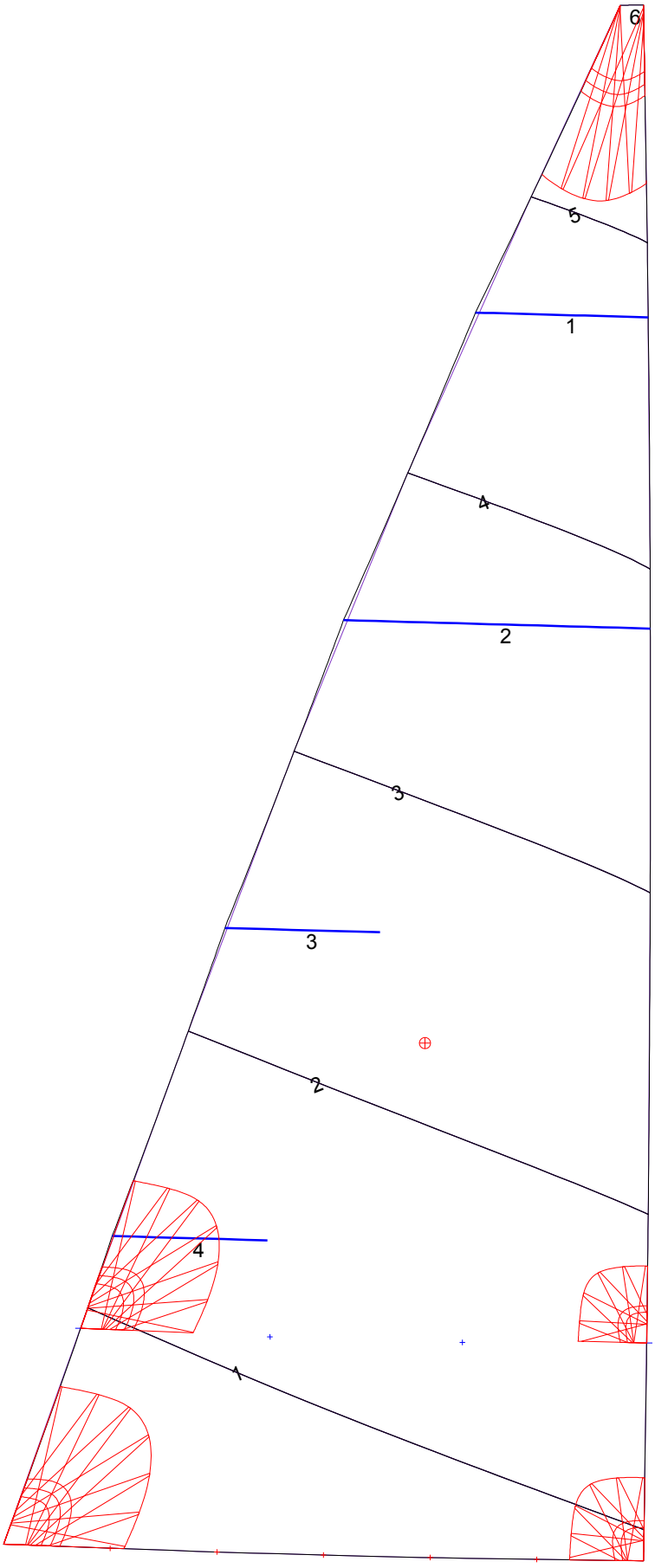


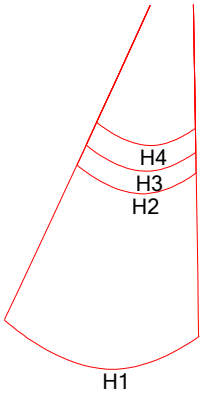
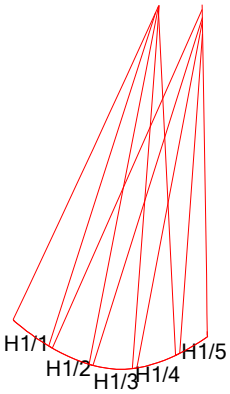
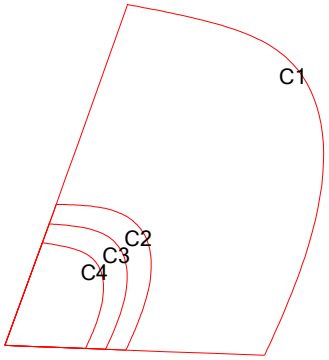
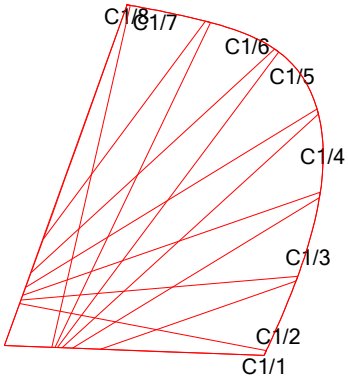
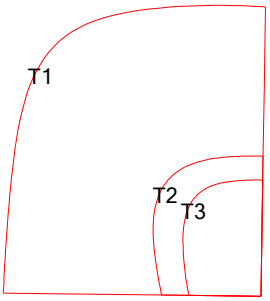
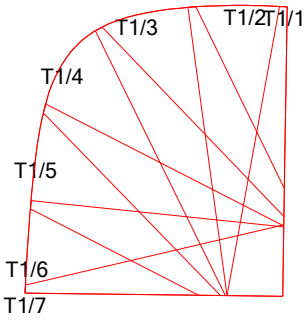
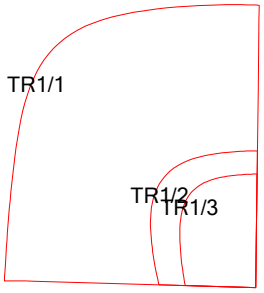
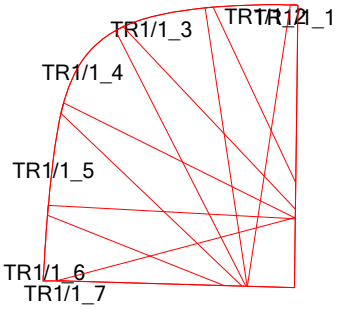
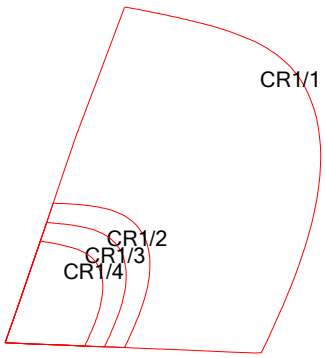
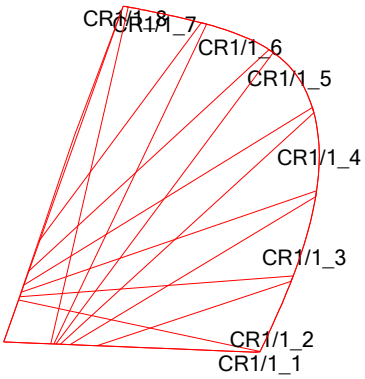
Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000Ft	0.000Ft	0.082Ft

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft

Materials

Material	Area (Ft?	Panels
Material 1	119.30	1,2,3,4,5 6

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