Mainsail: 3000410 Roger main R1

Design Info
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Design File:
E:\Dropbox\Mike computer\Fareast Sails Production\2019\3000410 Roger\3000410 Roger main R1.des

Comments:

Initial Design Date: 15/4/2019
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	51.250Ft
Leech geodesic:	52.916Ft
Foot geodesic:	16.250Ft
Head geodesic:	0.499Ft
Upper width (MUW):	3.206Ft
Three-quarter width (MTW):	5.732Ft
Half width (MHW):	9.898Ft
Quarter width (MQW):	13.346Ft
Foot median:	52.083Ft
ORC Mainsail area:	479.071Ft?
Surface area:	488.710Ft?

Battens

Position	Length	Roach	Angle	Full
83.333%	4.316Ft	0.911Ft	75.417?	Full
66.667%	7.418Ft	1.171Ft	75.417?	Full
50.000%	10.008Ft	1.054Ft	75.417?	Full
33.333%	12.341Ft	0.807Ft	75.417?	Full
16.667%	6.000Ft	0.449Ft	75.417?	

Reefing Points

1, Luff: 6.658Ft ; Leech: 6.820Ft ; Offset: 0.000Ft ; Number Eyelets: 0
2, Luff: 13.317Ft ; Leech: 13.640Ft ; Offset: 0.000Ft ; Number Eyelets: 3
3, Luff: 19.977Ft ; Leech: 20.461Ft ; Offset: 0.000Ft ; Number Eyelets: 3

Luff Curve

51.249Ft,	0.000Ft
38.437Ft,	-0.159Ft
25.624Ft,	-0.212Ft
12.812Ft,	-0.159Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.4	Before BSeam	
100% (51.250Ft) :	0.000Ft	0.000Ft
90% (46.126Ft) :	0.051Ft	0.170Ft
80% (41.000Ft) :	0.097Ft	0.325Ft
70% (35.875Ft) :	0.131Ft	0.436Ft
60% (30.750Ft) :	0.147Ft	0.491Ft
50% (25.625Ft) :	0.149Ft	0.505Ft
40% (20.500Ft) :	0.141Ft	0.478Ft
30% (15.375Ft) :	0.118Ft	0.408Ft
20% (10.249Ft) :	0.081Ft	0.289Ft
10% (5.126Ft) :	0.035Ft	0.137Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

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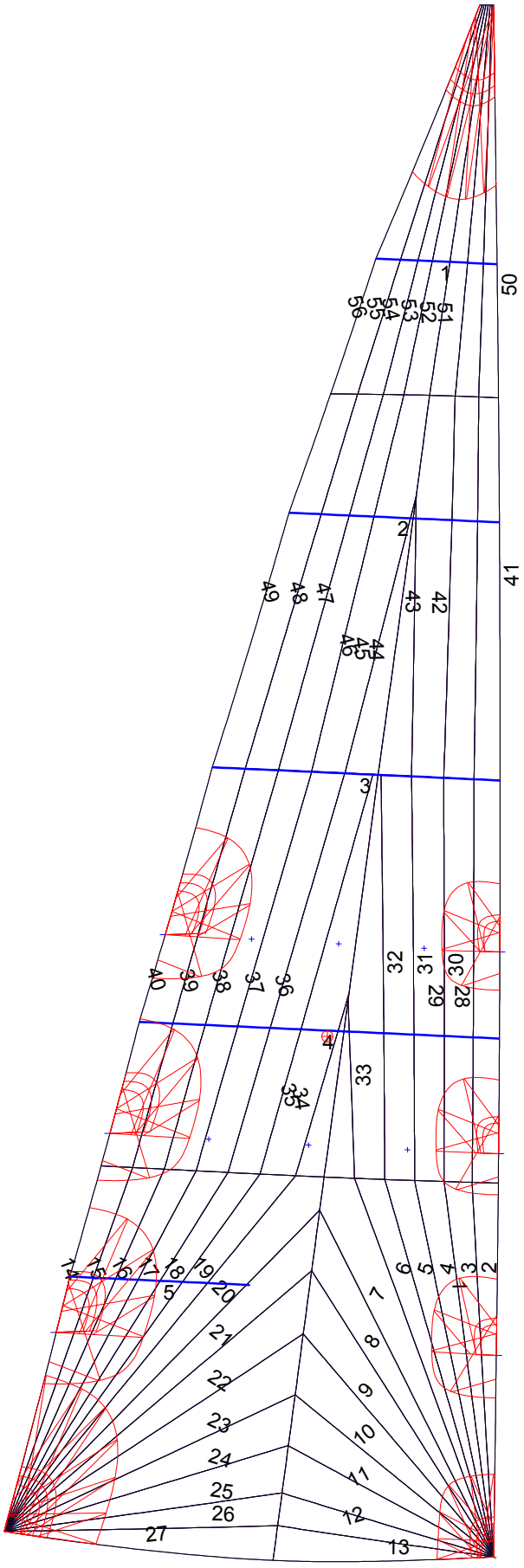

Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.125Ft	0.049Ft	0.125Ft
Zone: 1/b	0.125Ft	0.049Ft	0.125Ft
Zone: 2/a	0.125Ft	0.049Ft	0.125Ft
Zone: 2/b	0.125Ft	0.049Ft	0.125Ft
Zone: 3/a	0.125Ft	0.049Ft	0.125Ft
Zone: 3/b	0.125Ft	0.049Ft	0.125Ft
Zone: 4/a	0.125Ft	0.049Ft	0.125Ft
Zone: 4/b	0.125Ft	0.049Ft	0.125Ft

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft

Materials

Material	Area (Ft?	Panels
Material 1	489.57	1,2,3,4,5 6,7,8,9,10 11,12,13,14,15 16,17,18,19,20 21,22,23,24,25 26,27,28,29,30 31,32,33,34,35 36,37,38,39,40 41,42,43,44,45 46,47,48,49,50 51,52,53,54,55 56

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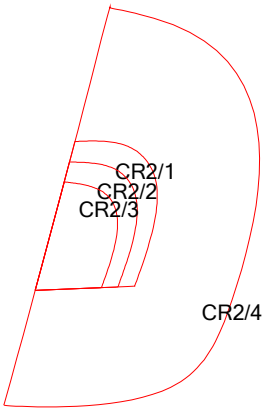

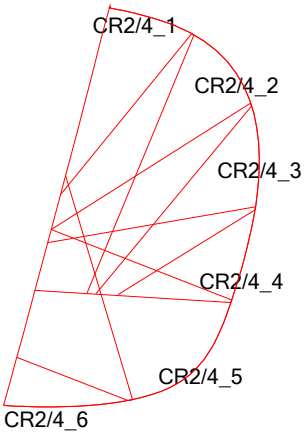

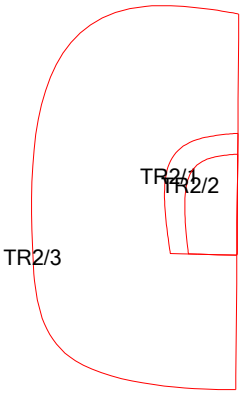

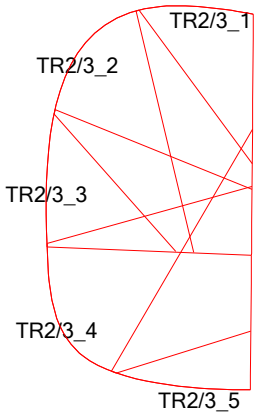

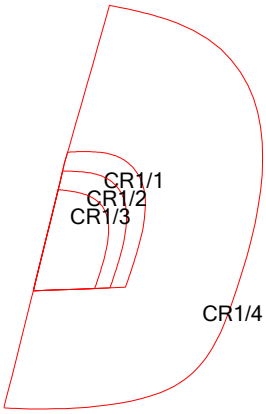

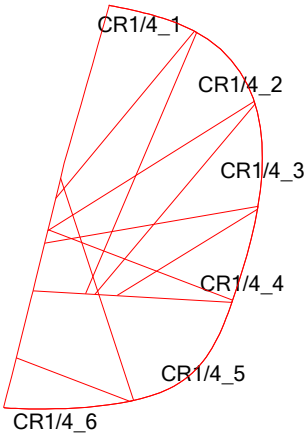

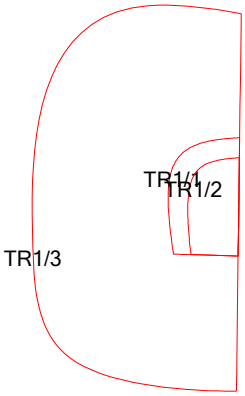

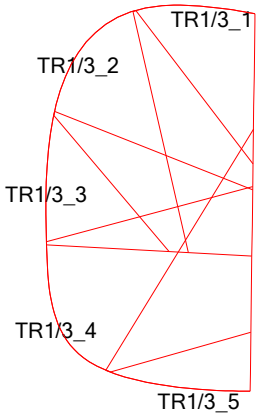

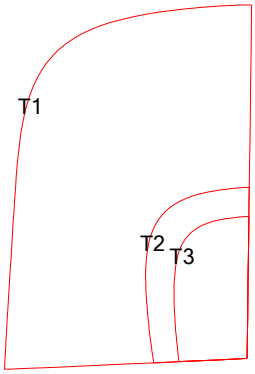

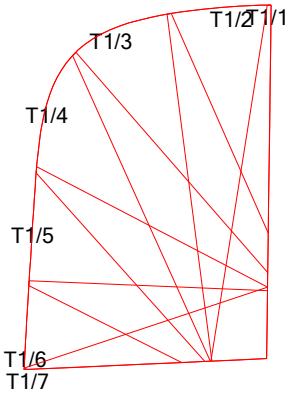

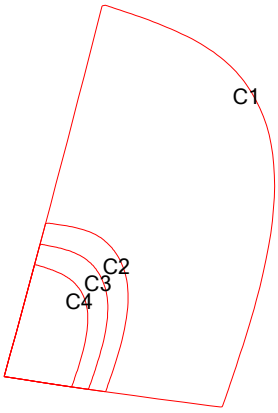

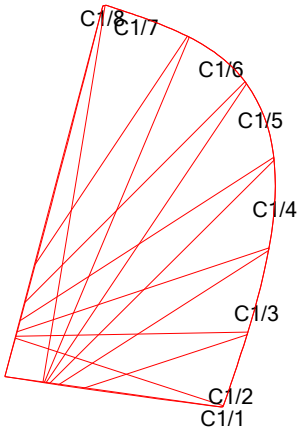
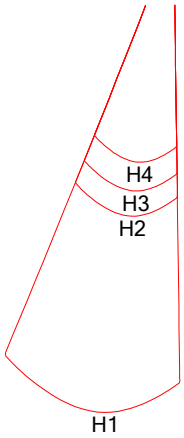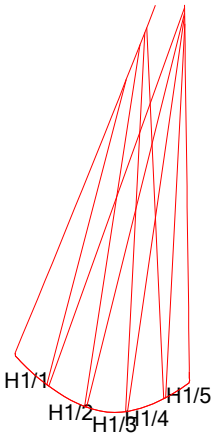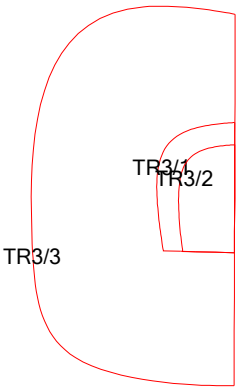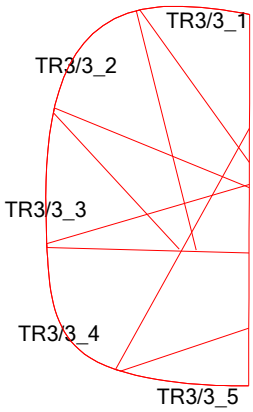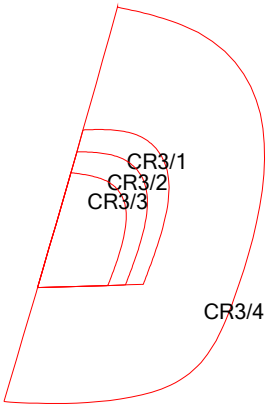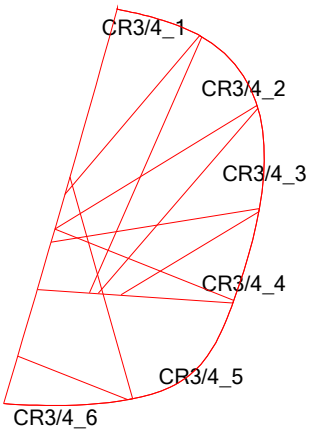
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