Mainsail: 3000410 Roger main R0

Design Info
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Design File:
E:\Dropbox\Mike computer\Fareast Sails Production\2019\3000410 Roger\3000410 Roger main R0.des

Comments:

Initial Design Date: 15/4/2019
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	50.480Ft
Leech geodesic:	52.120Ft
Foot geodesic:	16.000Ft
Head geodesic:	0.500Ft
Upper width (MUW):	3.173Ft
Three-quarter width (MTW):	5.667Ft
Half width (MHW):	9.769Ft
Quarter width (MQW):	13.155Ft
Foot median:	51.309Ft
ORC Mainsail area:	465.444Ft?
Surface area:	474.969Ft?

Battens

Position	Length	Roach	Angle	Full
83.333%	4.274Ft	0.911Ft	75.417?	Full
66.667%	7.332Ft	1.171Ft	75.417?	Full
50.000%	9.879Ft	1.054Ft	75.417?	Full
33.333%	12.170Ft	0.807Ft	75.417?	Full
16.667%	6.000Ft	0.449Ft	75.417?	

Reefing Points

1, Luff: 6.558Ft ; Leech: 6.717Ft ; Offset: 0.000Ft ; Number Eyelets: 0
2, Luff: 13.117Ft ; Leech: 13.433Ft ; Offset: 0.000Ft ; Number Eyelets: 3
3, Luff: 19.677Ft ; Leech: 20.151Ft ; Offset: 0.000Ft ; Number Eyelets: 3

Luff Curve

50.479Ft,	0.000Ft
37.859Ft,	-0.159Ft
25.239Ft,	-0.212Ft
12.620Ft,	-0.159Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.

	Before	BSeam
100% (50.480Ft) :	0.000Ft	0.000Ft
90% (45.433Ft) :	0.049Ft	0.169Ft
80% (40.384Ft) :	0.094Ft	0.323Ft
70% (35.336Ft) :	0.126Ft	0.432Ft
60% (30.288Ft) :	0.140Ft	0.487Ft
50% (25.240Ft) :	0.143Ft	0.501Ft
40% (20.192Ft) :	0.135Ft	0.474Ft
30% (15.144Ft) :	0.114Ft	0.404Ft
20% (10.095Ft) :	0.078Ft	0.286Ft
10% (5.049Ft) :	0.034Ft	0.135Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

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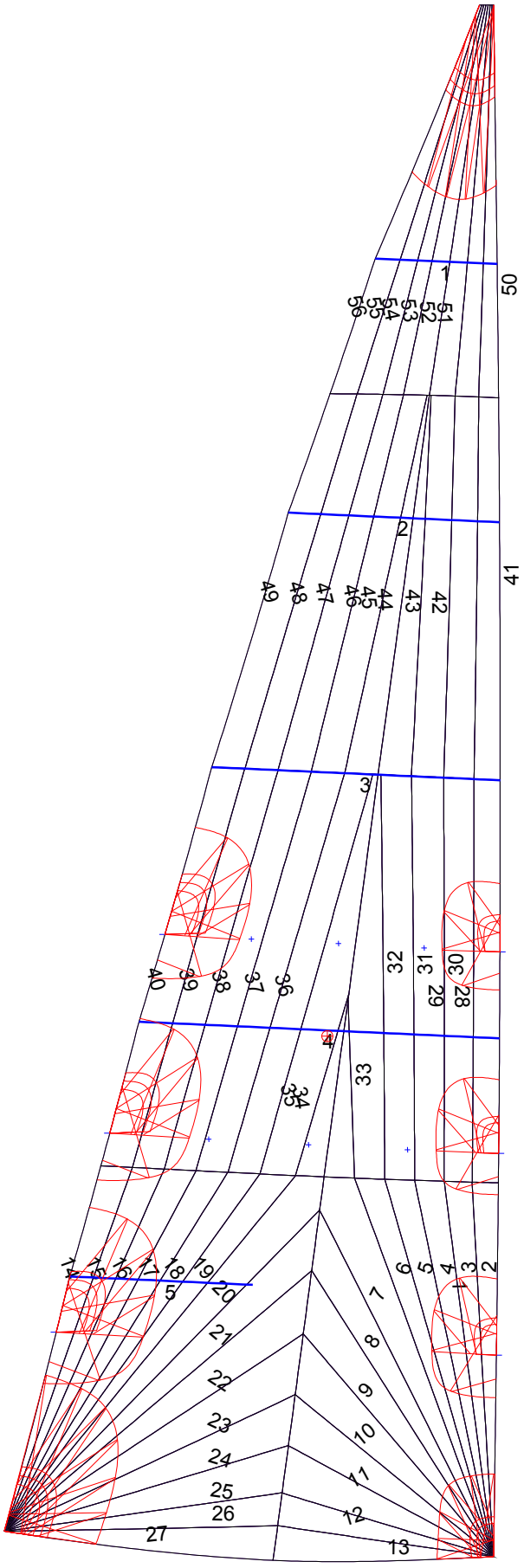

Seam Allowances

	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	475.80	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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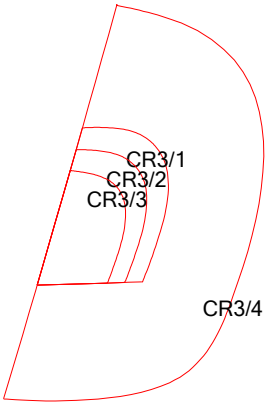

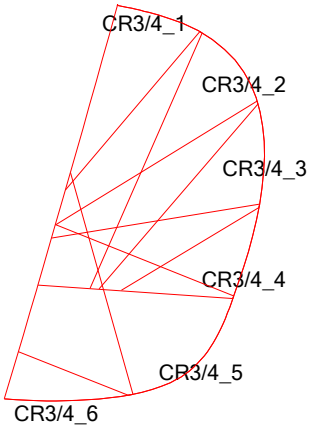

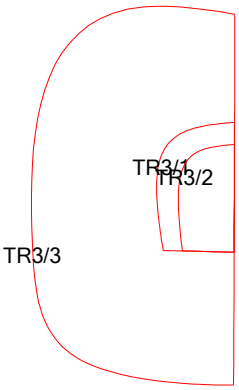

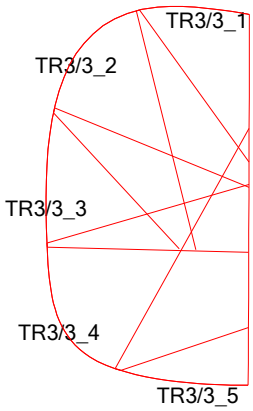

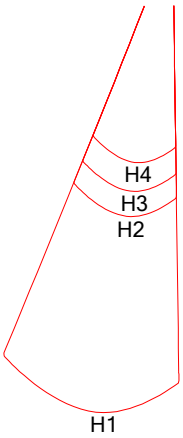

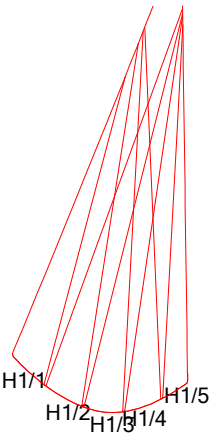

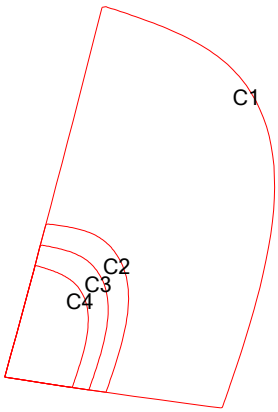

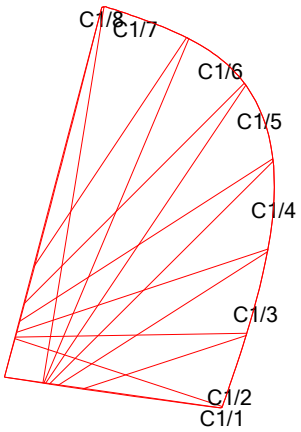

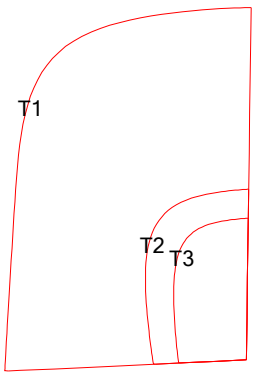

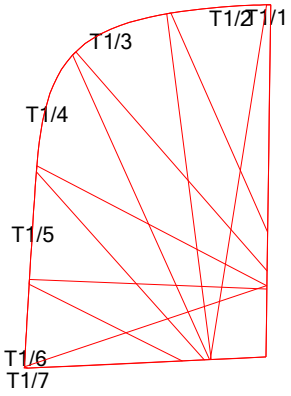

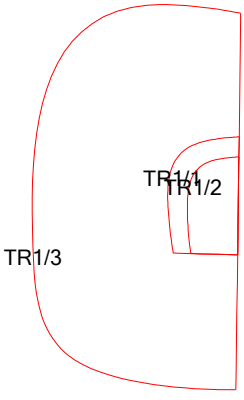

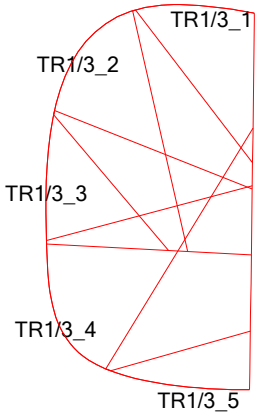
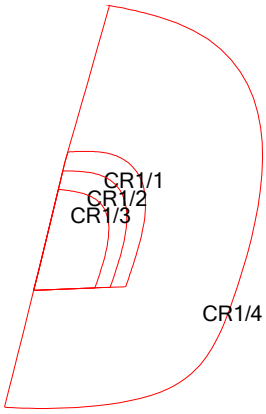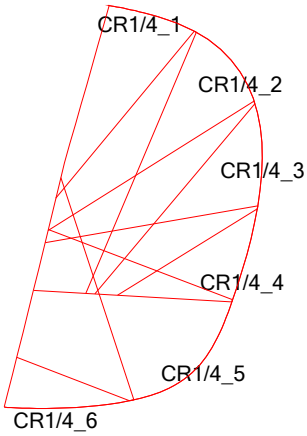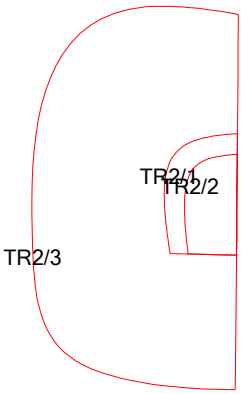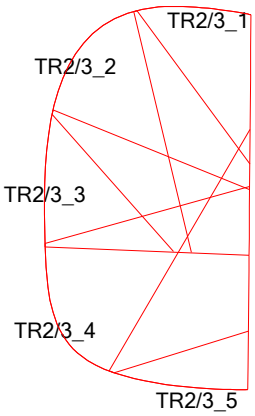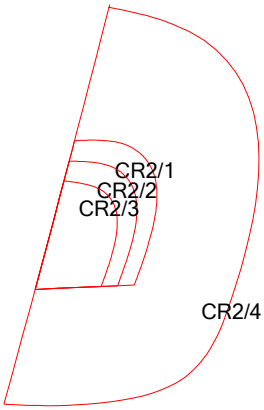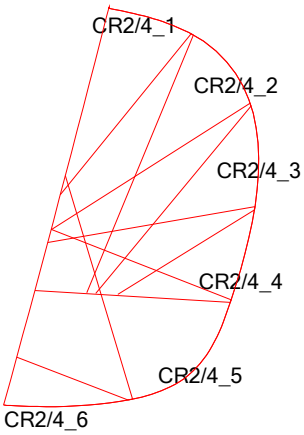
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