Mainsail: 3001141 Scott -1 mainsail R2

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2020\3001141 Scott -1-2\3001141 Scott -1 mainsail R2.d

Comments:

Initial Design Date: 2/1/2020
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	35.000Ft
Leech geodesic:	35.660Ft
Foot geodesic:	12.160Ft
Head geodesic:	0.377Ft
Upper width (MUW):	2.125Ft
Three-quarter width (MTW):	3.892Ft
Half width (MHW):	7.070Ft
Quarter width (MQW):	9.740Ft
Foot median:	34.905Ft
ORC Mainsail area:	235.945Ft?
Surface area:	237.083Ft?

Battens

Position	Length	Roach	Angle	Full
80.000%	2.357Ft	0.383Ft	78.129?	
60.000%	3.367Ft	0.527Ft	78.129?	
40.000%	3.367Ft	0.438Ft	78.129?	
20.000%	2.806Ft	0.250Ft	78.129?	

Reefing Points

1, Luff: 4.718Ft ; Leech: 4.787Ft ; Offset: 0.000Ft ; Number Eyelets: 2
2, Luff: 9.962Ft ; Leech: 10.095Ft ; Offset: 0.000Ft ; Number Eyelets: 2
3, Luff: 15.209Ft ; Leech: 15.397Ft ; Offset: 0.000Ft ; Number Eyelets: 2

Luff Curve

34.999Ft,	0.000Ft
30.638Ft,	-0.062Ft
26.249Ft,	-0.106Ft
21.850Ft,	-0.129Ft
17.499Ft,	-0.133Ft
13.041Ft,	-0.123Ft
8.750Ft,	-0.098Ft
4.361Ft,	-0.056Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.(	Before BSeam	
100% (35.000Ft) :	0.000Ft	0.000Ft
90% (31.502Ft) :	0.033Ft	0.112Ft
80% (27.999Ft) :	0.063Ft	0.220Ft
70% (24.500Ft) :	0.081Ft	0.306Ft
60% (21.000Ft) :	0.087Ft	0.357Ft
50% (17.500Ft) :	0.086Ft	0.367Ft
40% (14.000Ft) :	0.078Ft	0.337Ft
30% (10.500Ft) :	0.065Ft	0.275Ft
20% (6.999Ft) :	0.046Ft	0.193Ft
10% (3.501Ft) :	0.022Ft	0.094Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

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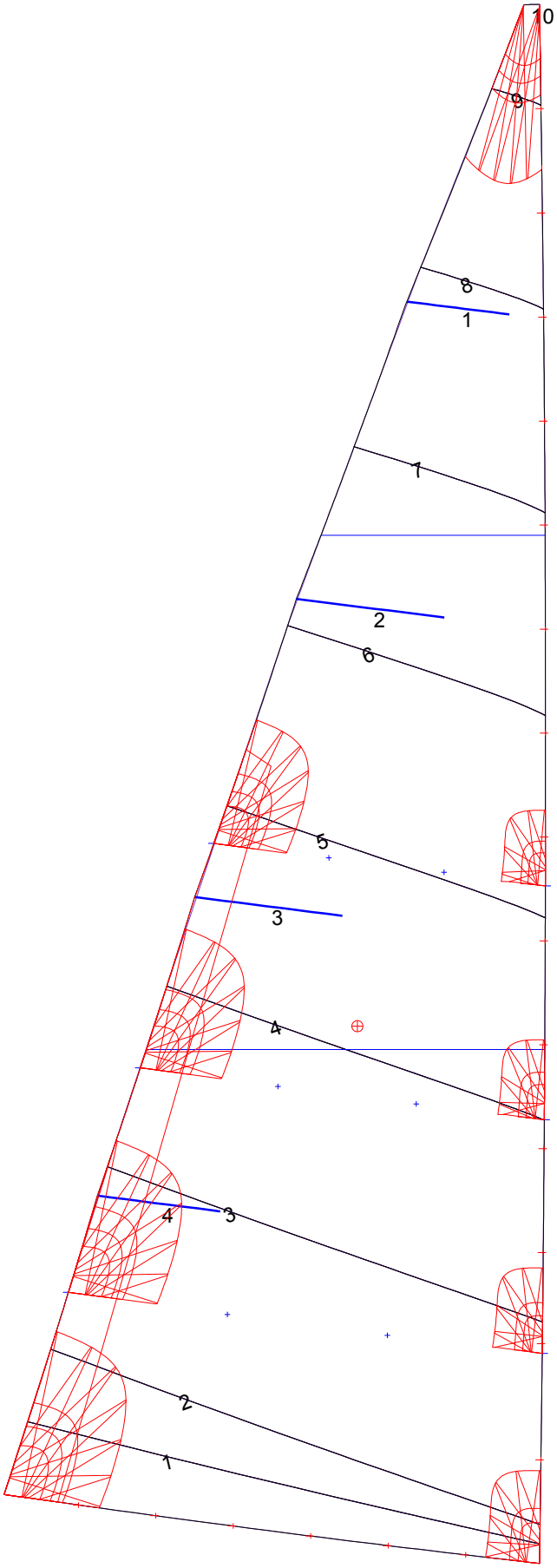

Seam Allowances

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

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft

Total Seam Lengths (Ft)

Horizontal	0.00
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft?	Panels
Material 1	237.28	1,2,3,4,5 6,7,8,9,10

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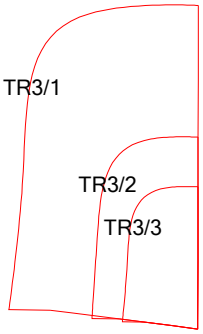

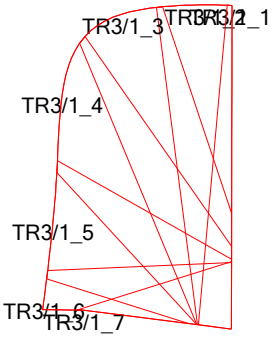

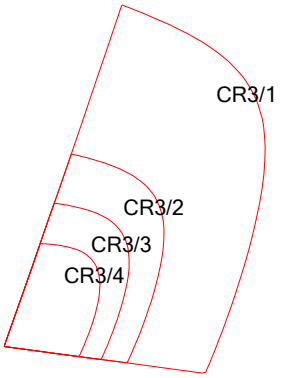

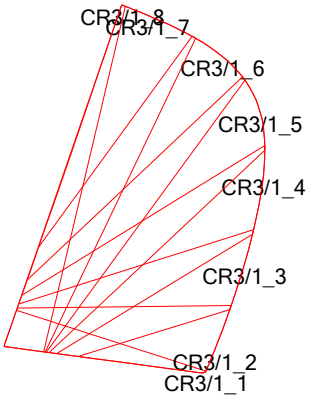

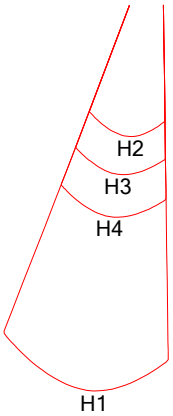

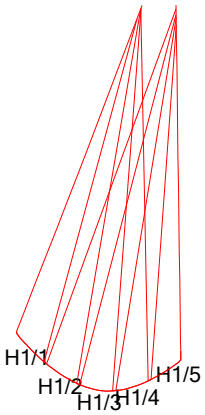

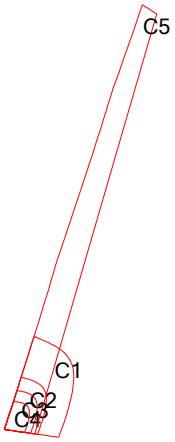

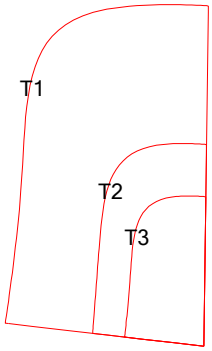

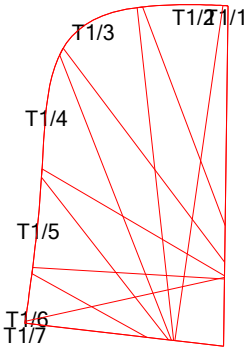

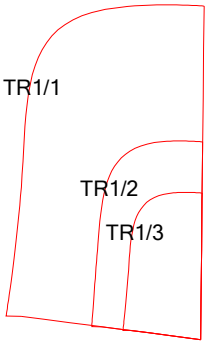
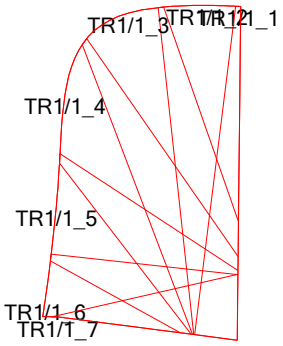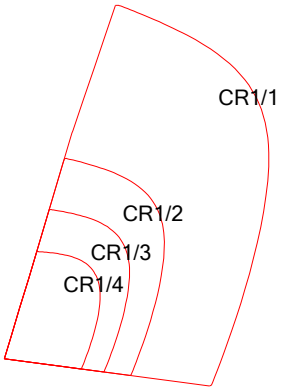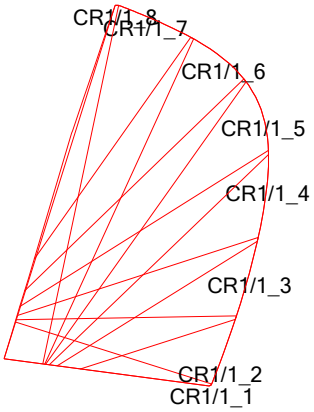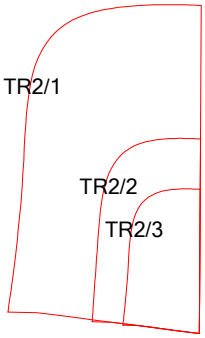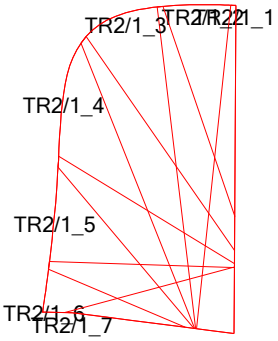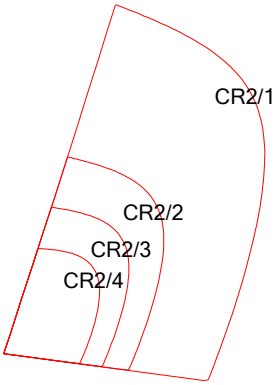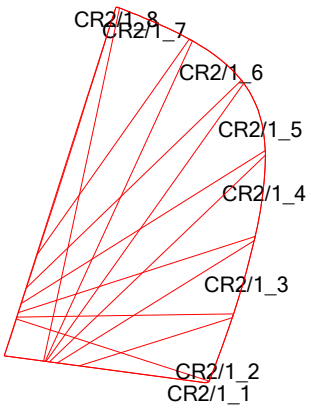
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