Mainsail: 4000205 Lars-1 mainsail R0

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2020\4000205 Lars-1-2-3\4000205 Lars-1 mainsail R0.de

Comments:

Initial Design Date: 29/2/2020
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	10.150m
Leech geodesic:	10.502m
Foot geodesic:	2.970m
Head geodesic:	0.115m
Upper width (MUW):	0.564m
Three-quarter width (MTW):	1.012m
Half width (MHW):	1.791m
Quarter width (MQW):	2.423m
Foot median:	10.316m
ORC Mainsail area:	17.174m?
Surface area:	17.457m?

Battens

Position	Length	Roach	Angle	Full
80.000%	0.862m	0.115m	76.080?	Full
60.000%	1.526m	0.158m	76.080?	Full
40.000%	2.071m	0.132m	76.080?	Full
20.000%	2.543m	0.075m	76.080?	Full

Reefing Points

1, Luff: 1.522m ; Leech: 1.562m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 3.044m ; Leech: 3.123m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

10.150m,	0.000m
8.885m,	-0.021m
7.612m,	-0.036m
6.337m,	-0.044m
5.075m,	-0.045m
3.782m,	-0.042m
2.537m,	-0.034m
1.265m,	-0.019m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.	Before	BSeam
100% (10.150m) :	0.000m	0.000m
90% (9.135m) :	0.012m	0.032m
80% (8.120m) :	0.023m	0.063m
70% (7.105m) :	0.030m	0.087m
60% (6.090m) :	0.033m	0.100m
50% (5.075m) :	0.033m	0.102m
40% (4.060m) :	0.031m	0.094m
30% (3.045m) :	0.027m	0.077m
20% (2.030m) :	0.019m	0.054m
10% (1.015m) :	0.010m	0.026m
0% (0.000m) :	0.000m	0.000m

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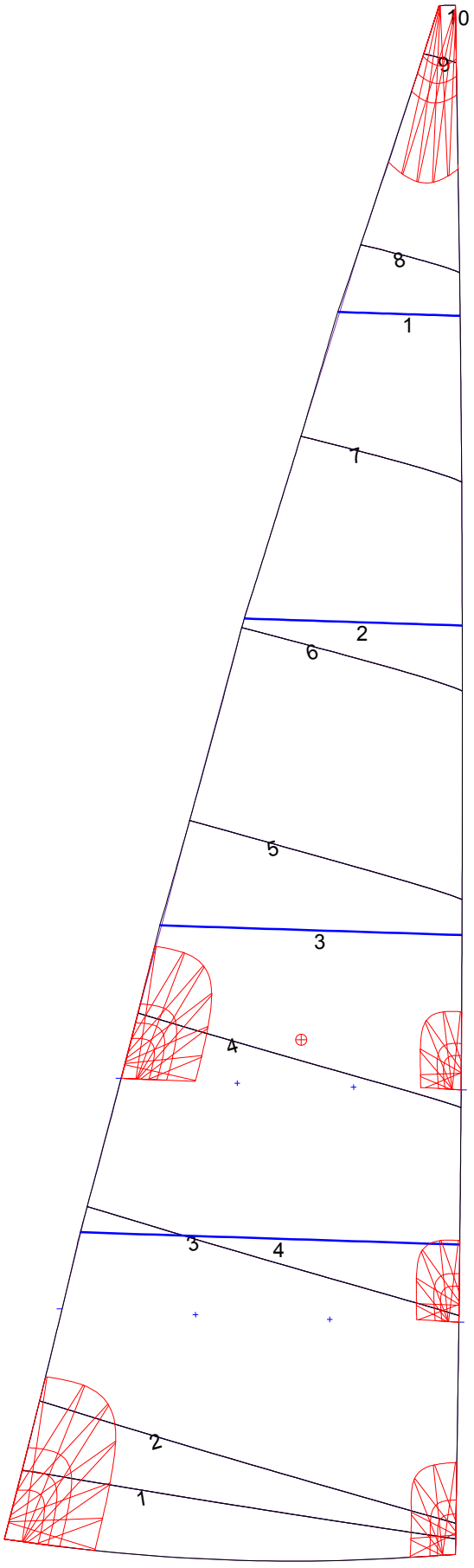


Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.025m

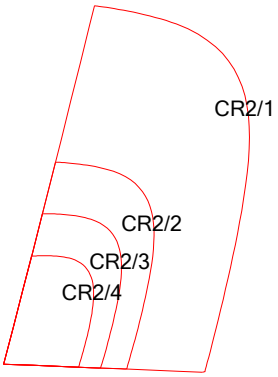
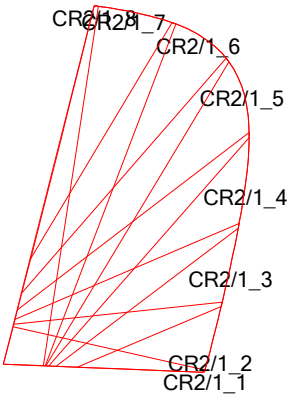
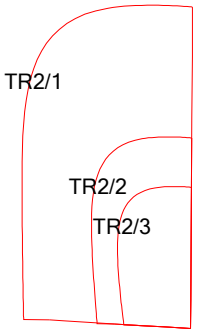
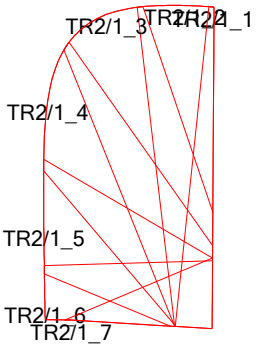
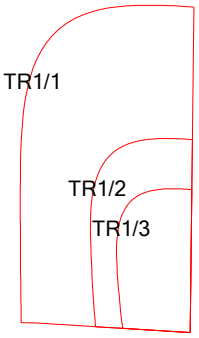
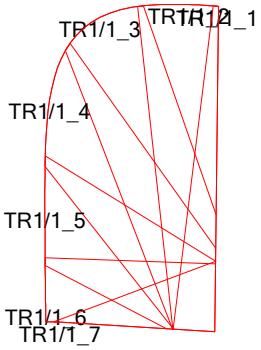
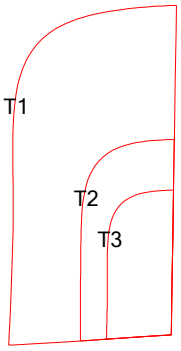
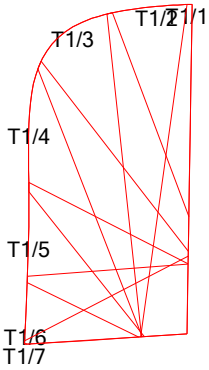
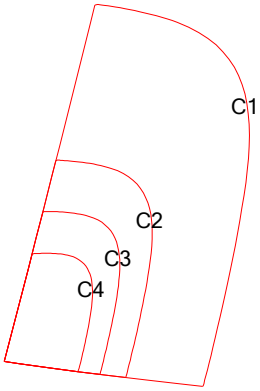
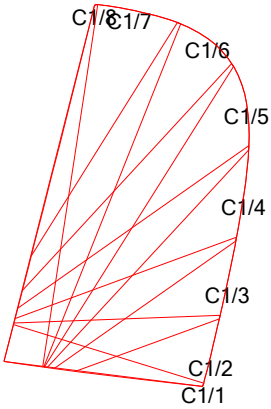
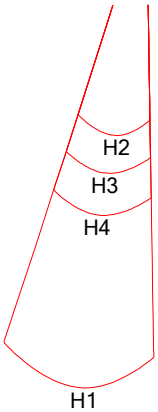
Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	0.00
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m?	Panels
Material 1	17.47	1,2,3,4,5 6,7,8,9,10

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