Mainsail: 3000704 Tuomas mainsail R1

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3000704 Tuomas\3000704 Tuomas mainsail R1.de

Comments:
tack angle 88.5

Initial Design Date: 4/7/2019
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	11.140m
Leech geodesic:	11.741m
Foot geodesic:	4.040m
Head geodesic:	0.115m
Upper width (MUW):	0.719m
Three-quarter width (MTW):	1.325m
Half width (MHW):	2.401m
Quarter width (MQW):	3.279m
Foot median:	11.418m
ORC Mainsail area:	25.293m?
Surface area:	25.834m?

Battens

Position	Length	Roach	Angle	Full
80.000%	1.127m	0.147m	72.158?	Full
60.000%	2.038m	0.203m	72.158?	Full
40.000%	2.794m	0.168m	72.158?	Full
20.000%	3.446m	0.096m	72.158?	Full

Reefing Points

1, Luff: 1.559m ; Leech: 1.631m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 3.118m ; Leech: 3.260m ; Offset: 0.000m ; Number Eyelets: 2
3, Luff: 4.845m ; Leech: 5.063m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

11.140m,	0.000m
8.355m,	-0.046m
5.570m,	-0.061m
2.785m,	-0.046m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.:	Before BSeam	
100% (11.140m) :	0.000m	0.000m
90% (10.026m) :	0.015m	0.041m
80% (8.912m) :	0.028m	0.081m
70% (7.798m) :	0.038m	0.113m
60% (6.684m) :	0.043m	0.134m
50% (5.570m) :	0.044m	0.139m
40% (4.456m) :	0.041m	0.129m
30% (3.342m) :	0.035m	0.106m
20% (2.228m) :	0.024m	0.074m
10% (1.114m) :	0.011m	0.035m
0% (0.000m) :	0.000m	0.000m

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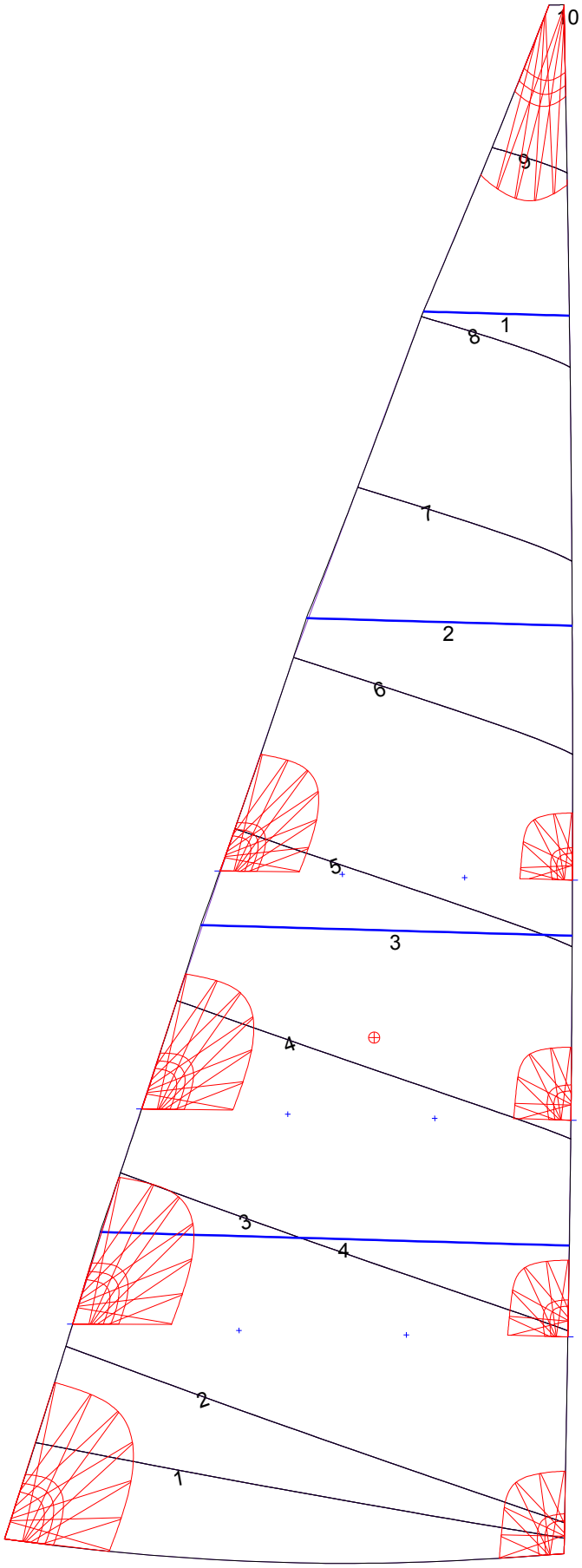

Seam Allowances

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

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Materials

Material	Area (m?	Panels
Material 1	25.86	1,2,3,4,5 6,7,8,9,10

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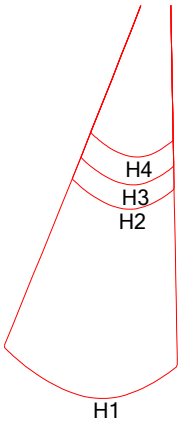

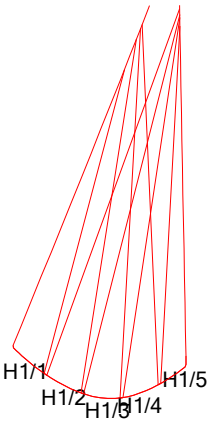

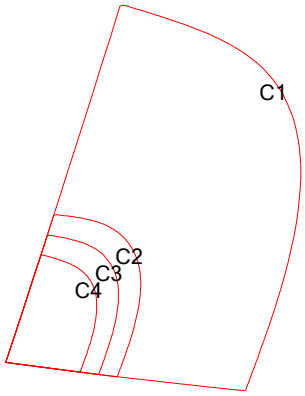

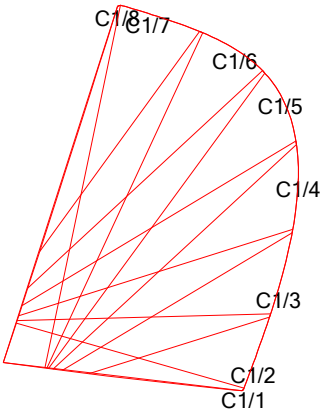

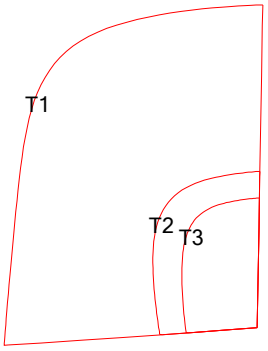

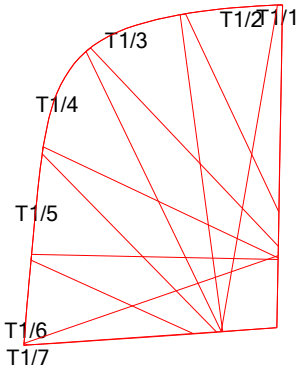

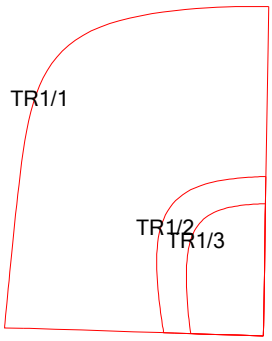

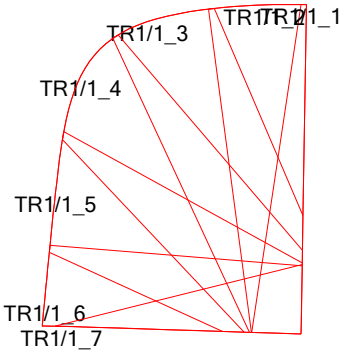

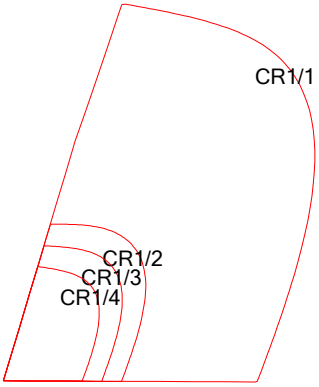

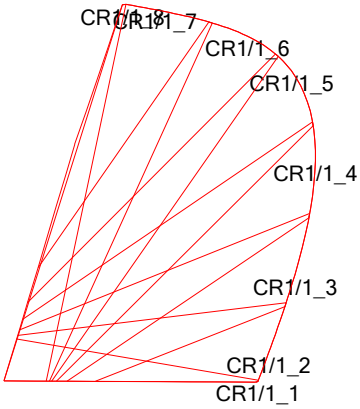

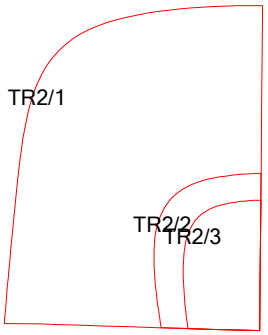

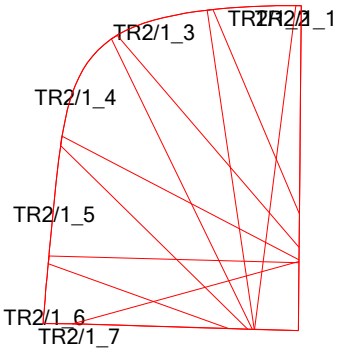
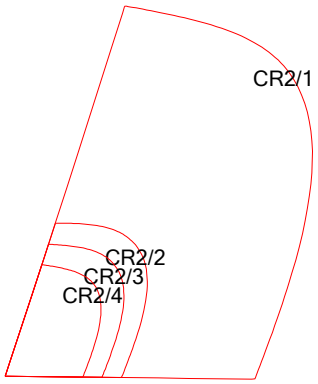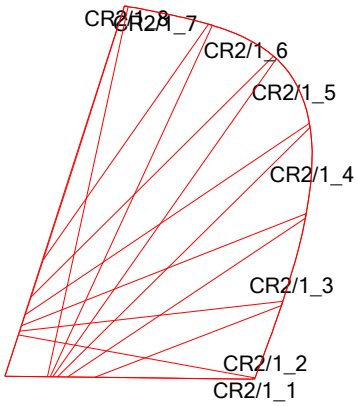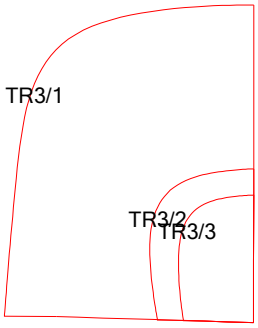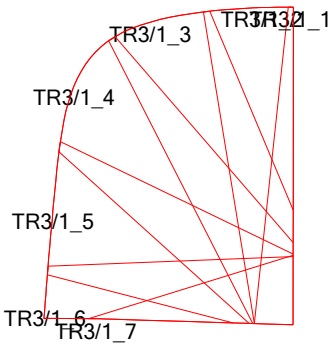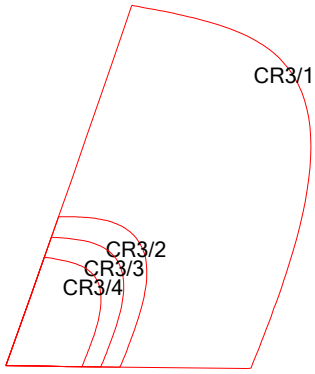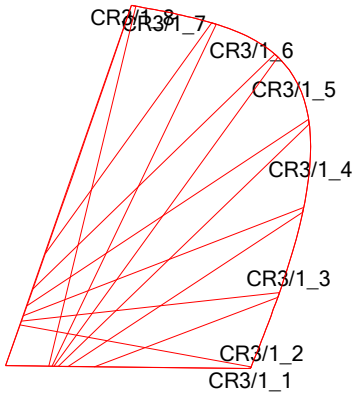
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