

Mainsail: 5000114-Main-1 v2.des

Design Info

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Design File:

D:\dropbox\Dropbox\Fareast Sails\2021\5000114 Torodd-1-2\5000114-Main-1 v2.des

Initial Design Date: 1/2/2021

Boat:

Comments:

Client:

Design Data

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Main

Measurements

Luff geodesic:	13.670m
Leech geodesic:	14.379m
Foot geodesic:	4.840m
Head geodesic:	0.115m
Upper width (MUW):	0.878m
Three-quarter width (MTW):	1.637m
Half width (MHW):	2.939m
Quarter width (MQW):	3.964m
Foot median:	14.028m
ORC Mainsail area:	37.655m ²
Surface area:	38.615m ²
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.392m	0.203m	72.325?	10.929m	11.467m	Full
60.000%	2.510m	0.280m	72.325?	8.196m	8.600m	Full
40.000%	3.401m	0.232m	72.325?	5.464m	5.734m	Full
20.000%	4.161m	0.133m	72.325?	2.732m	2.867m	Full

Reefing Points

1, Luff: 1.913m ; Leech: 1.994m ; Offset: 0.000m ; Number Eyelets: 3
 2, Luff: 3.826m ; Leech: 3.986m ; Offset: 0.000m ; Number Eyelets: 3
 3, Luff: 5.739m ; Leech: 5.977m ; Offset: 0.000m ; Number Eyelets: 3

Luff Curve

		Fanned Luff (@ 5.00% [0.241m])	Before BSeam
13.669m,	0.000m	100% (13.670m) :	0.000m
11.966m,	-0.048m	90% (12.303m) :	0.065m
10.252m,	-0.083m	80% (10.936m) :	0.128m
8.222m,	-0.100m	70% (9.569m) :	0.175m
6.834m,	-0.097m	60% (8.202m) :	0.200m
5.093m,	-0.086m	50% (6.835m) :	0.200m
3.417m,	-0.068m	40% (5.468m) :	0.181m
1.703m,	-0.039m	30% (4.101m) :	0.147m
0.000m,	0.000m	20% (2.734m) :	0.104m
		10% (1.367m) :	0.052m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.060m

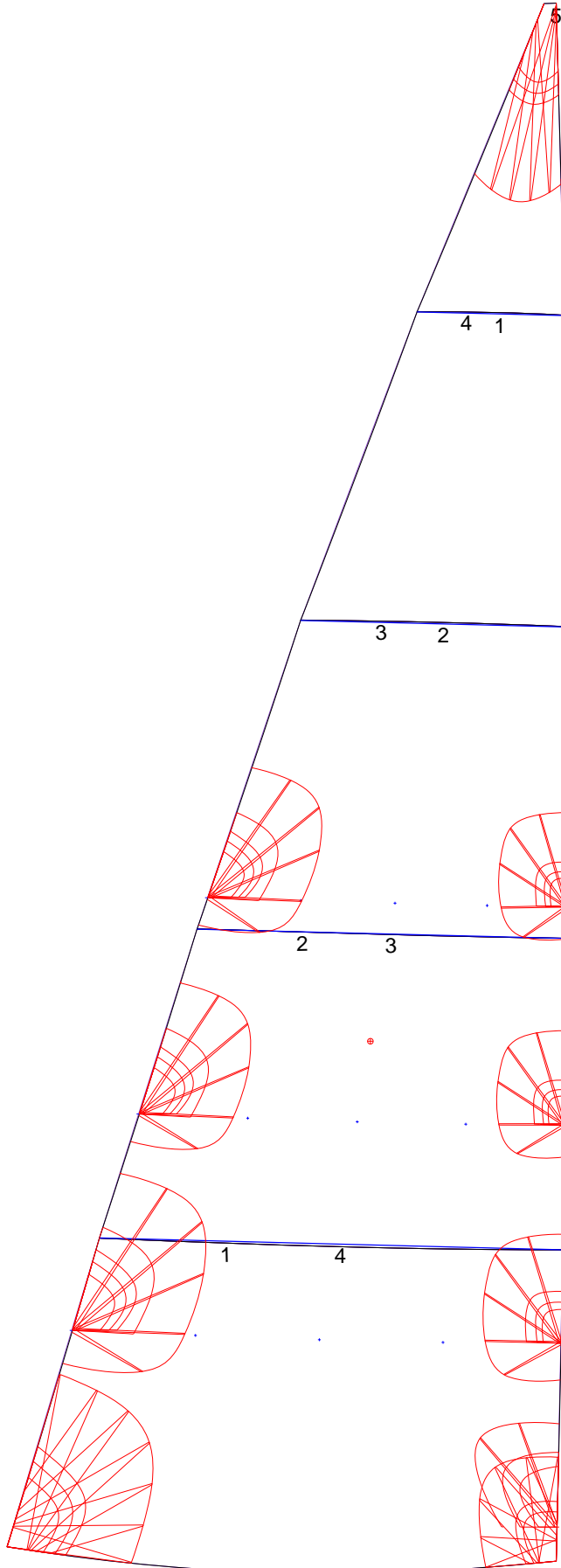
Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

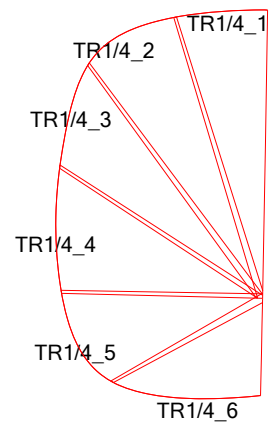
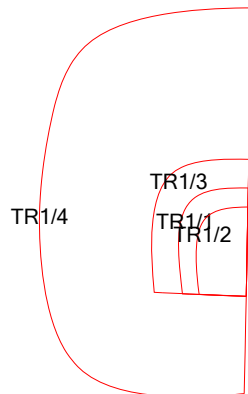
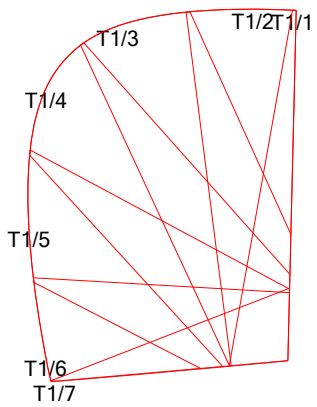
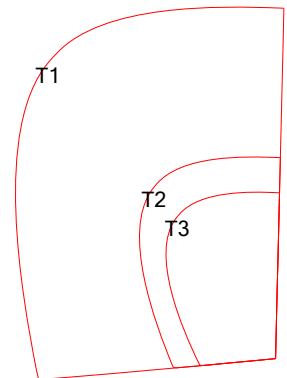
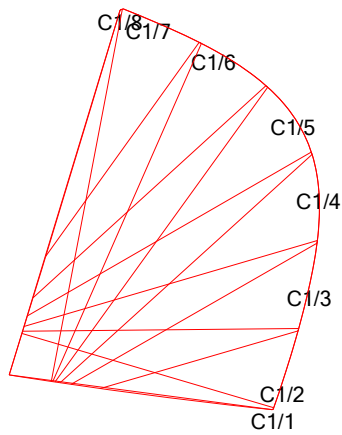
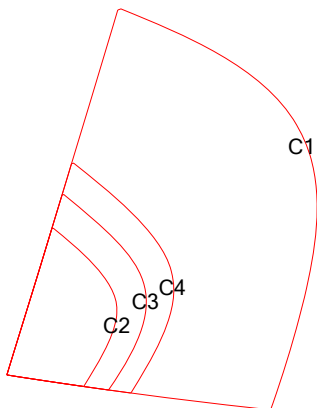
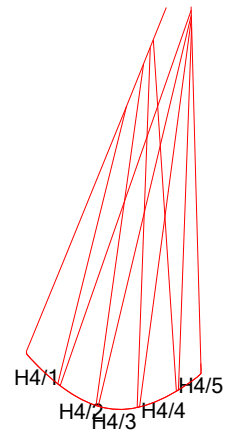
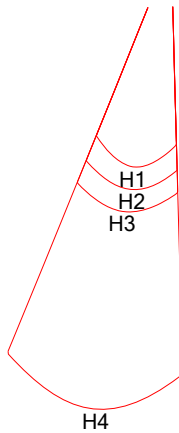
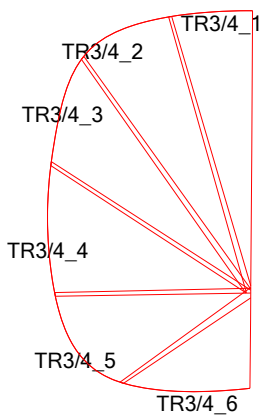
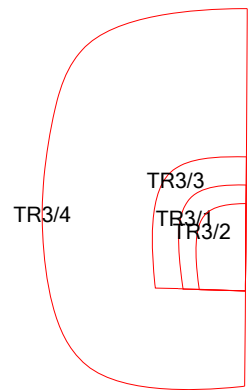
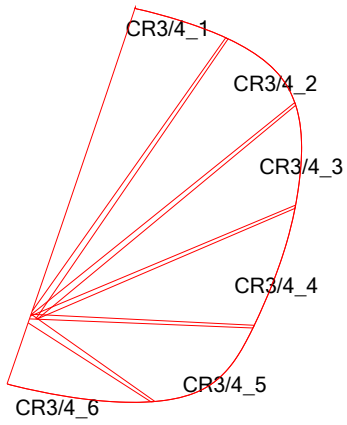
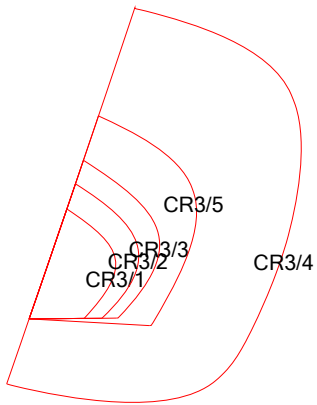
Horizontal	11.46
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	38.69	1,2,3,4,5



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