Mainsail: 4000721 Robert mainsail.des

Design Info
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Design File:
D:\dropbox\Dropbox\Fareastsails sails\order\Mike computer\Fareast Sails Production\2020\4000721 Robert\Picts - 4000

Comments:

Initial Design Date: 31/7/2020
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	20.700m
Leech geodesic:	21.593m
Foot geodesic:	7.450m
Head geodesic:	0.200m
Upper width (MUW):	1.378m
Three-quarter width (MTW):	2.506m
Half width (MHW):	4.477m
Quarter width (MQW):	6.106m
Foot median:	21.056m
ORC Mainsail area:	87.594m?
Surface area:	89.397m?
Clew height:	0.434m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
83.333%	1.866m	0.343m	73.697?	17.233m	17.929m	Full
66.667%	3.289m	0.441m	73.697?	13.784m	14.343m	Full
50.000%	4.535m	0.428m	73.697?	10.336m	10.757m	Full
33.333%	5.641m	0.365m	73.697?	6.890m	7.171m	Full
16.667%	6.606m	0.226m	73.697?	3.445m	3.586m	Full

Reefing Points

1, Luff: 2.792m ; Leech: 2.880m ; Offset: 0.000m ; Number Eyelets: 0
2, Luff: 6.723m ; Leech: 6.939m ; Offset: 0.000m ; Number Eyelets: 0

Luff Slides

1, Position: 1.148m
2, Position: 2.296m
3, Position: 5.167m
4, Position: 8.613m
5, Position: 12.060m
6, Position: 14.934m
7, Position: 16.084m
8, Position: 18.389m
9, Position: 19.544m

Luff Curve

		Fanned Luff (@ 5.00% [0.371m])		Before BSeam
20.699m,	0.000m	100% (20.700m) :	0.000m	0.000m
18.609m,	-0.043m	90% (18.631m) :	0.030m	0.072m
16.559m,	-0.075m	80% (16.560m) :	0.056m	0.140m
14.469m,	-0.095m	70% (14.490m) :	0.072m	0.197m
12.418m,	-0.105m	60% (12.420m) :	0.079m	0.232m
9.355m,	-0.101m	50% (10.350m) :	0.078m	0.236m
6.210m,	-0.078m	40% (8.280m) :	0.069m	0.213m
3.288m,	-0.047m	30% (6.210m) :	0.056m	0.172m
0.000m,	0.000m	20% (4.140m) :	0.039m	0.117m
		10% (2.070m) :	0.019m	0.055m
		0% (0.000m) :	0.000m	0.000m

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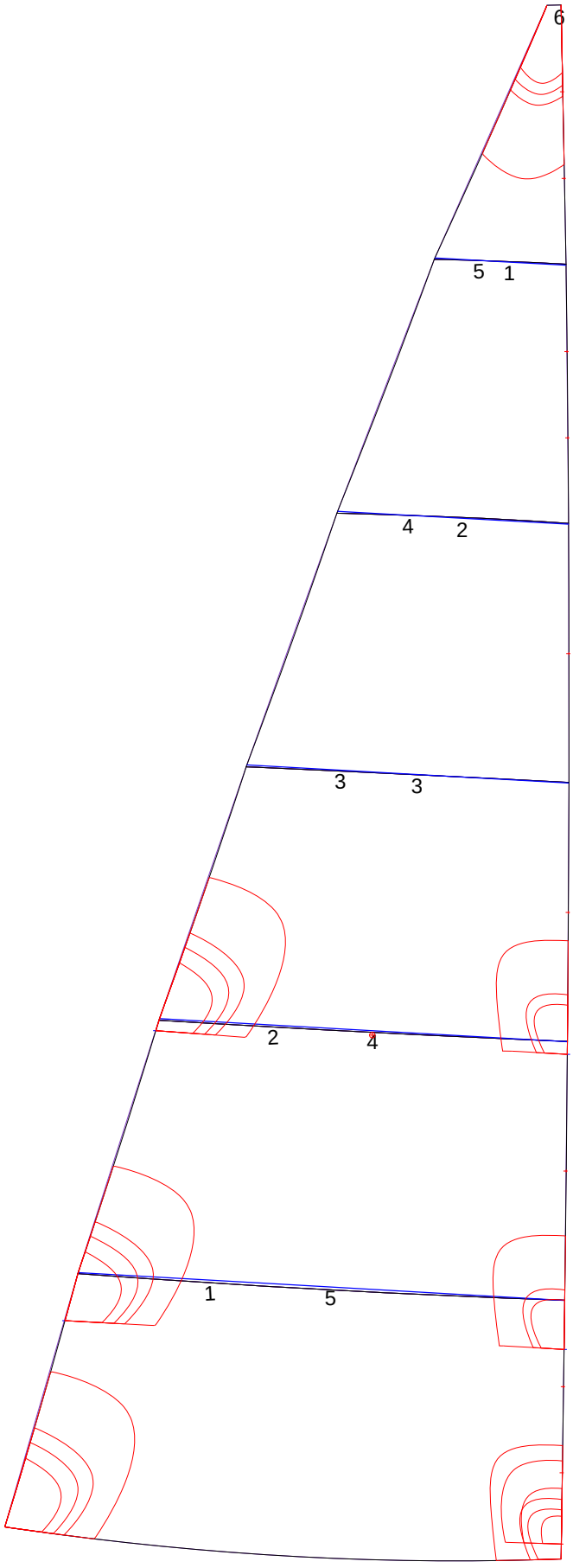


Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.100m

Edge Excesses

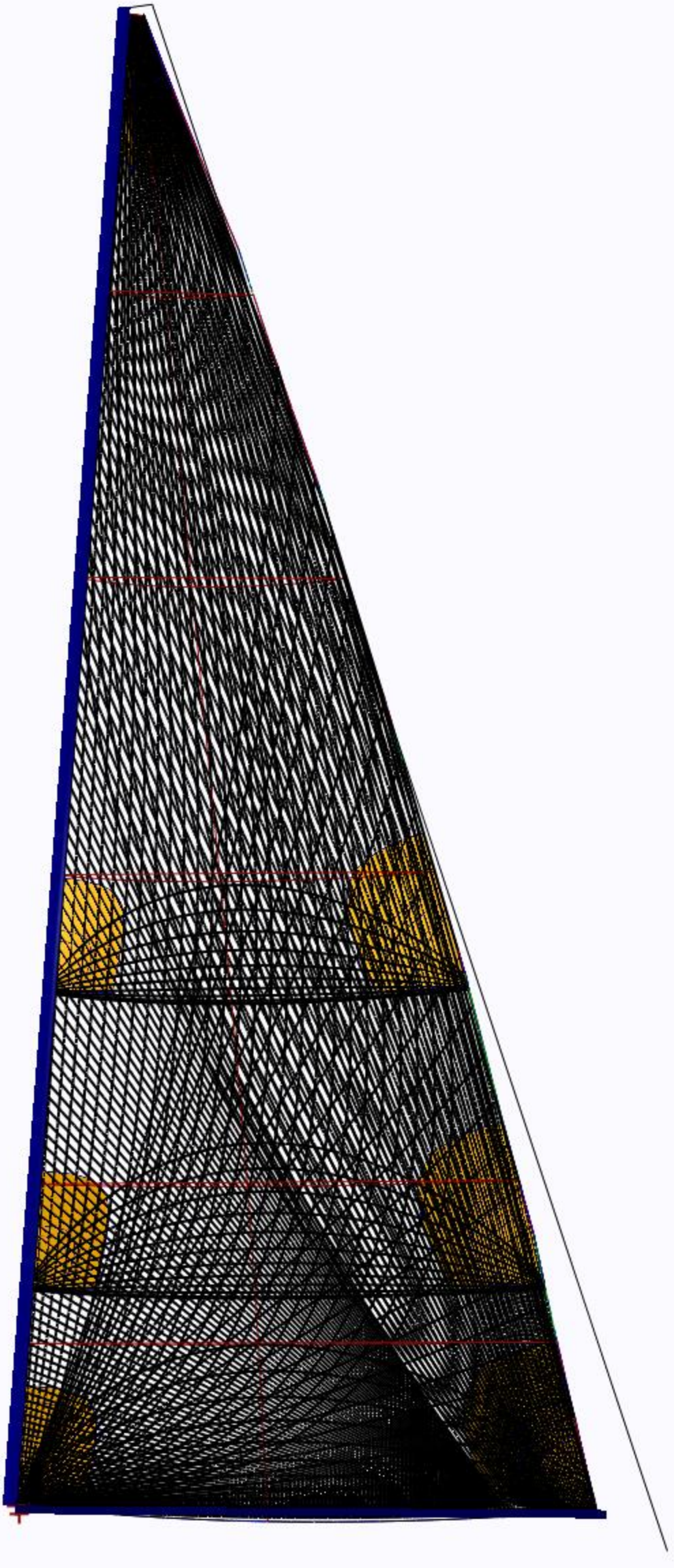
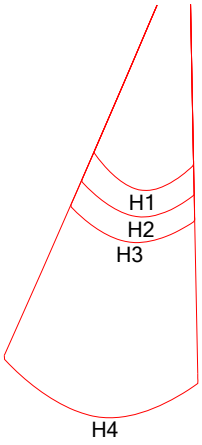
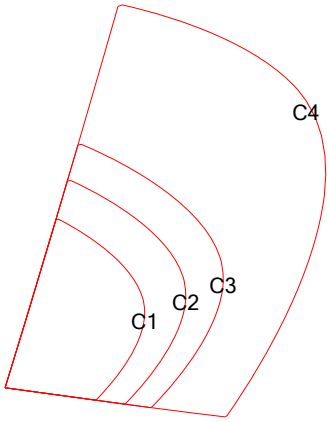
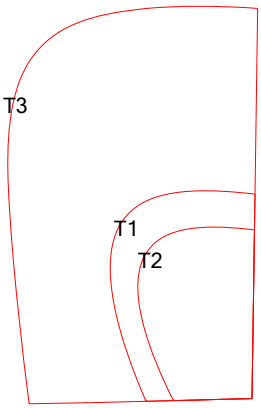
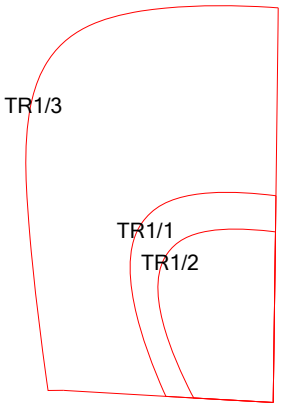
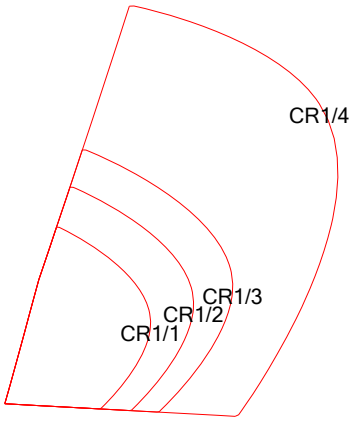
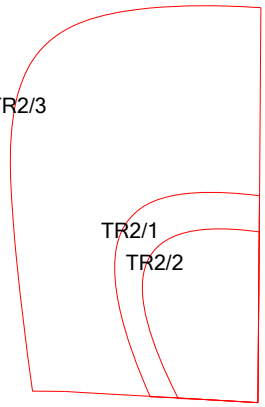
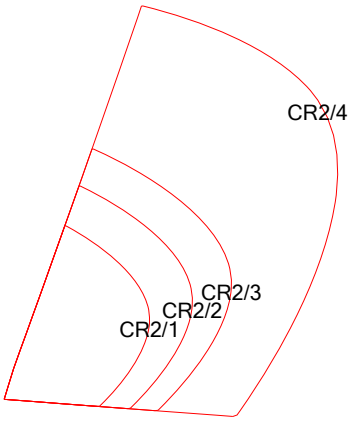
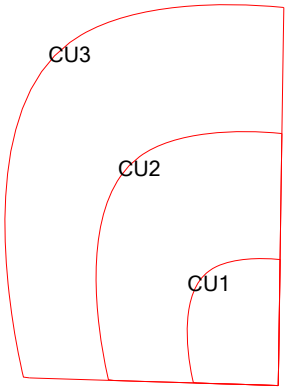
	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	21.97
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m?	Panels
Material 1	89.69	1,2,3,4,5 6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