

# Mainsail: 6000104 Albert.des

Design Info  
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Design File:  
D:\dropbox\Dropbox\Fareast Sails\2022 Order\6000104 Albert\6000104 Albert.des

Initial Design Date: 19/1/2022  
Boat:

Client:

Design Data  
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Comments:  
M20 Luff Length (M34ft 10 inches Max)  
  
(Sailmaker Net Finished size day of Delivery)  
M21 Foot Length (M10ft 9.5 inches Max)  
  
(Sailmaker Net Finished size day of Delivery)

Main

Measurements

Luff geodesic:	10.600m
Leech geodesic:	11.004m
Foot geodesic:	3.260m
Head geodesic:	0.115m
Upper width (MUW):	0.639m
Three-quarter width (MTW):	1.162m
Half width (MHW):	2.045m
Quarter width (MQW):	2.720m
Foot median:	10.775m
ORC Mainsail area:	20.178m <sup>2</sup>
Surface area:	20.593m <sup>2</sup>
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.001m	0.199m	75.161?	8.472m	8.776m	Full
60.000%	1.760m	0.270m	75.161?	6.350m	6.582m	Full
40.000%	2.359m	0.236m	75.161?	4.228m	4.388m	Full
20.000%	2.847m	0.141m	75.161?	2.106m	2.194m	Full

Reefing Points

1, Luff: 1.590m ; Leech: 1.630m ; Offset: 0.000m ; Number Eyelets: 2  
2, Luff: 3.179m ; Leech: 3.262m ; Offset: 0.000m ; Number Eyelets: 2

Luff Slides

- 1, Position: 0.702m
- 2, Position: 1.405m
- 3, Position: 2.814m
- 4, Position: 3.521m
- 5, Position: 4.935m
- 6, Position: 5.643m
- 7, Position: 7.057m
- 8, Position: 7.765m
- 9, Position: 9.182m
- 10, Position: 9.891m

Luff Curve

		Fanned Luff (@ 5.00% [0.162m])	Before BSeam
10.600m,	0.000m	100% (10.600m) :	0.000m
7.950m,	-0.034m	90% (9.540m) :	0.010m
5.300m,	-0.045m	80% (8.480m) :	0.059m
2.650m,	-0.034m	70% (7.420m) :	0.086m
0.000m,	0.000m	60% (6.360m) :	0.103m
		50% (5.300m) :	0.106m
		40% (4.240m) :	0.097m
		30% (3.180m) :	0.080m
		20% (2.120m) :	0.055m
		10% (1.060m) :	0.009m
		0% (0.000m) :	0.000m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

## Edge Excesses

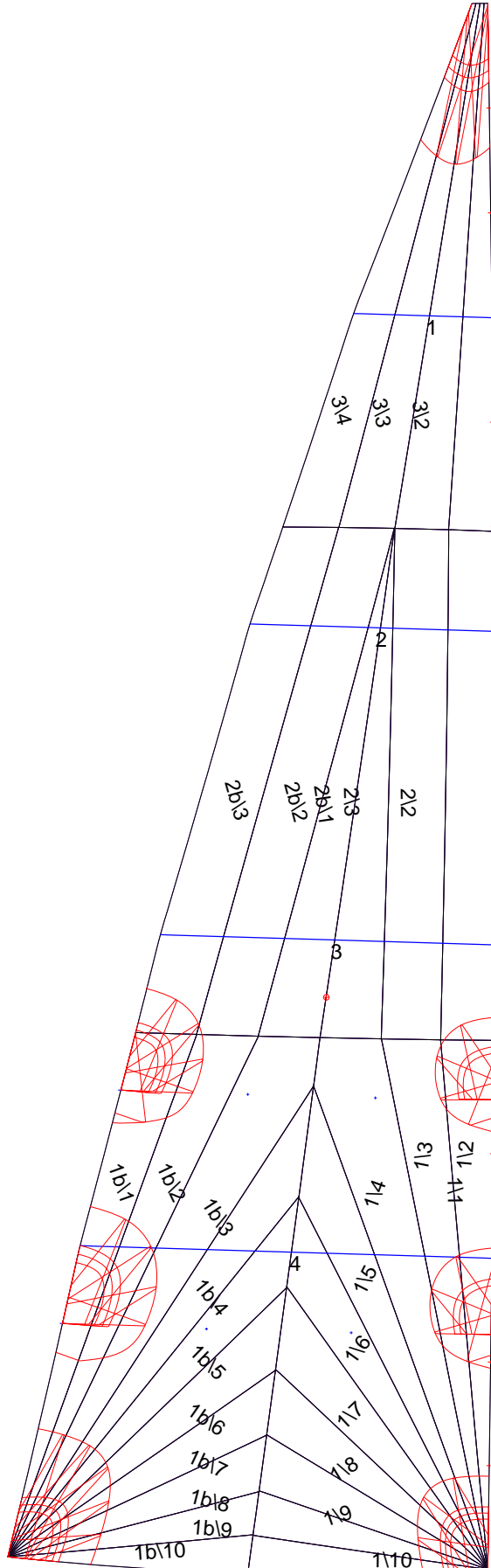
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

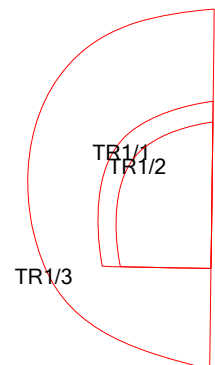
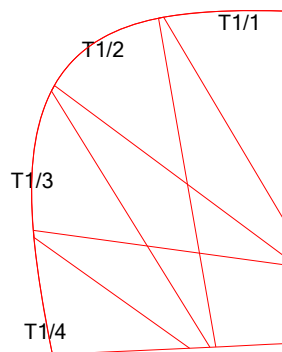
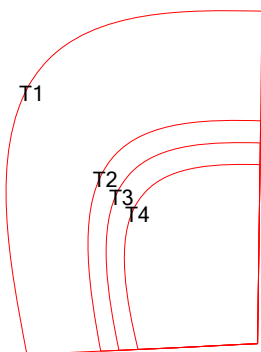
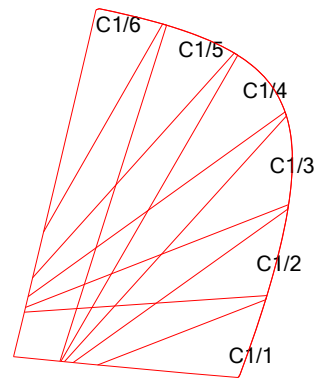
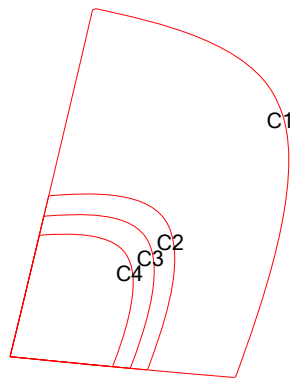
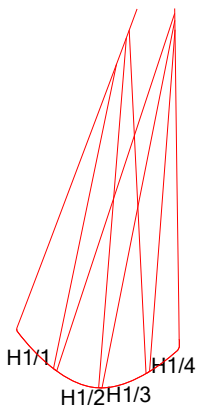
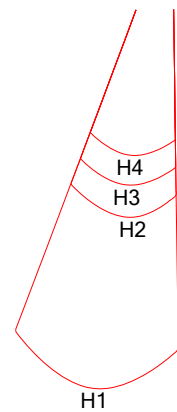
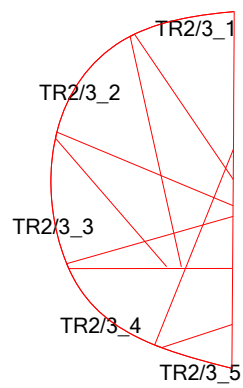
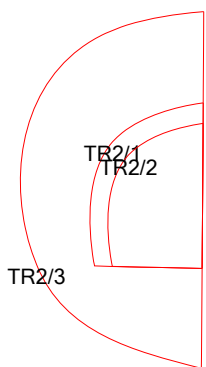
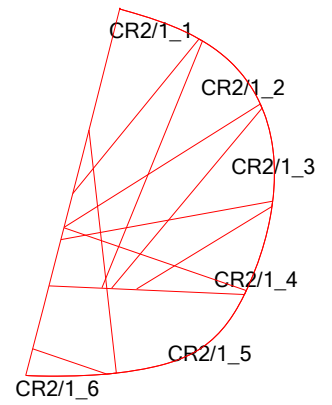
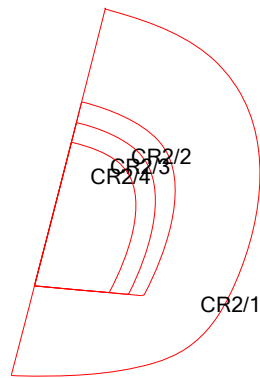
Horizontal	4.04
Radial/Vertical	73.05
Bi-Radial Split	7.35

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	20.62	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 2\1,2\2,2\3,2b\1,2b\2 2b\3,3\1,3\2,3\3,3\4



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