

Mainsail: 3000709 Chris-1 mainsail R0

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3000709 Chris-1-2-3-4\3000709 Chris-1 mainsail R0

Initial Design Date: 16/7/2019
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	20.090m
Leech geodesic:	20.880m
Foot geodesic:	6.330m
Head geodesic:	0.155m
Upper width (MUW):	1.108m
Three-quarter width (MTW):	2.054m
Half width (MHW):	3.735m
Quarter width (MQW):	5.122m
Foot median:	20.473m
ORC Mainsail area:	71.092m?
Surface area:	72.208m?

Battens

Position	Length	Roach	Angle	Full
83.333%	1.466m	0.183m	74.131?	Full
66.667%	2.704m	0.292m	74.131?	Full
50.000%	3.764m	0.277m	74.131?	Full
33.333%	4.707m	0.217m	74.131?	Full
16.667%	5.544m	0.118m	74.131?	Full

Reefing Points

- 1, Luff: 2.711m ; Leech: 2.806m ; Offset: 0.000m ; Number Eyelets: 5
- 2, Luff: 5.724m ; Leech: 5.919m ; Offset: 0.000m ; Number Eyelets: 4

Luff Curve

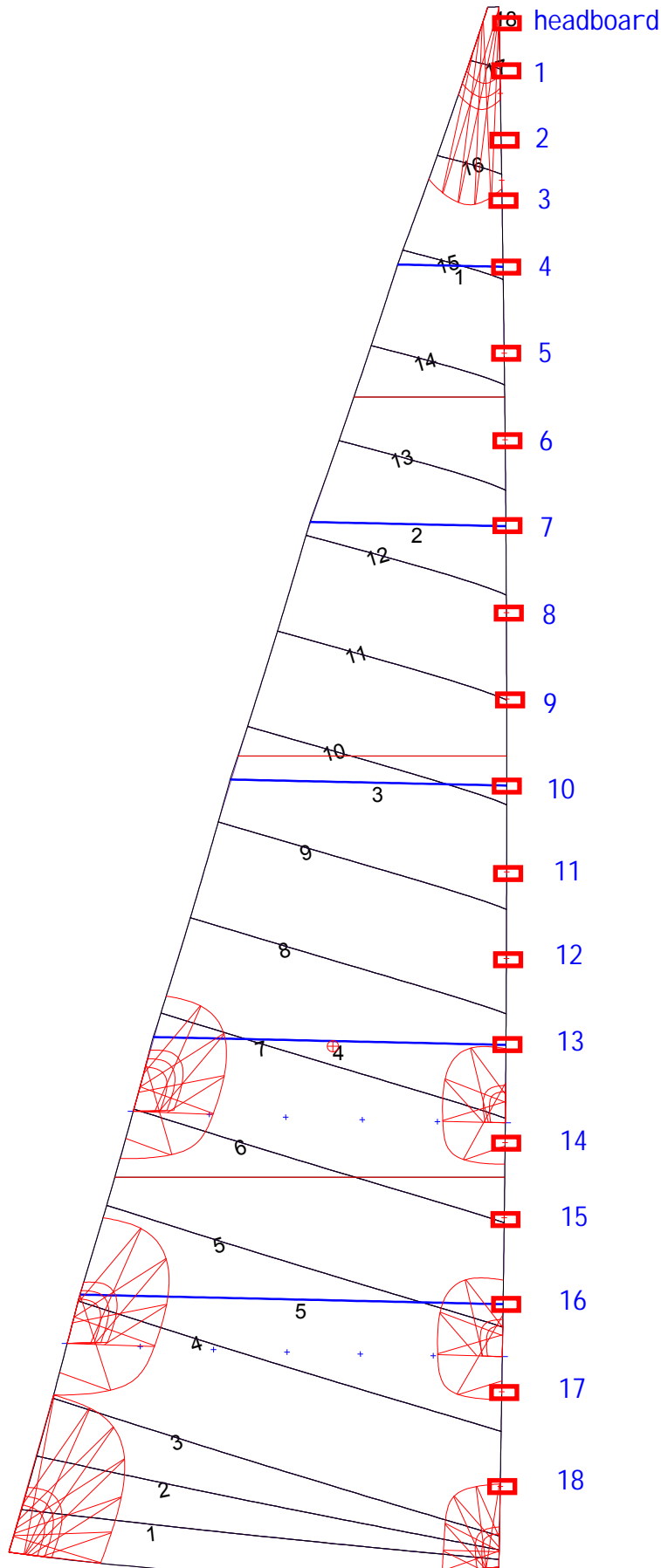
Luff Curve		Fanned Luff (@ 5.00% [0.:Before BSeam	
20.089m,	0.000m	100% (20.090m) :	0.000m 0.000m
15.067m,	-0.075m	90% (18.081m) :	0.023m 0.065m
10.045m,	-0.100m	80% (16.072m) :	0.044m 0.127m
5.022m,	-0.075m	70% (14.063m) :	0.060m 0.177m
0.000m,	0.000m	60% (12.054m) :	0.067m 0.207m
		50% (10.045m) :	0.069m 0.214m
		40% (8.036m) :	0.066m 0.200m
		30% (6.027m) :	0.057m 0.166m
		20% (4.018m) :	0.040m 0.115m
		10% (2.009m) :	0.019m 0.055m
		0% (0.000m) :	0.000m 0.000m

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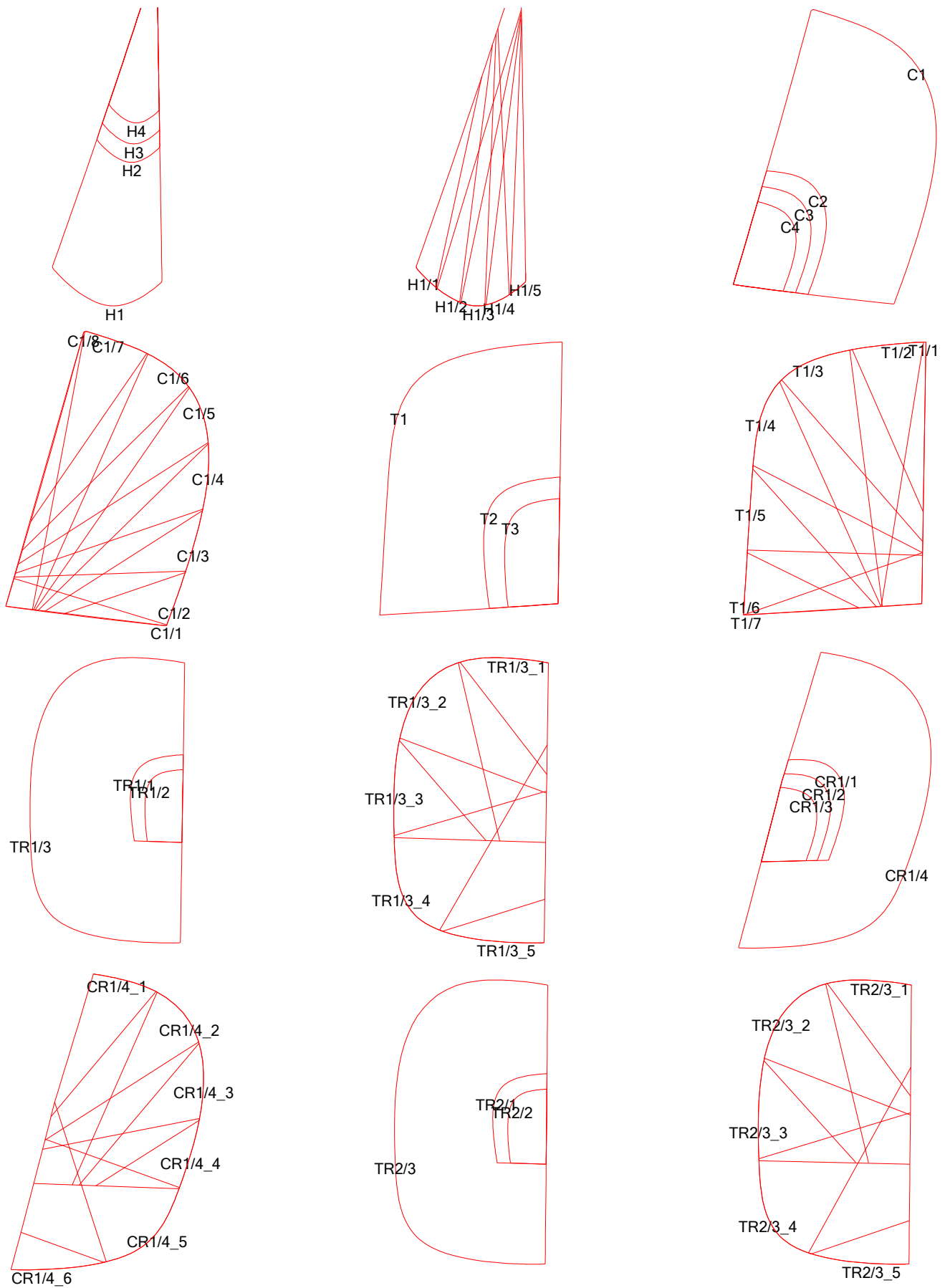
Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.045m	0.045m	0.045m

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

Materials		
Material	Area (m ²)	Panels
Material 1	72.33	1,2,3,4,5 6,7,8,9,10 11,12,13,14,15 16,17,18



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