Mainsail: 3000903 Steve-1 main R1

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3000903 Steve-1-2\3000903 Steve-1 main R1.des

Comments:
tack angle 88.5

Initial Design Date: 17/9/2019
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	12.100m
Leech geodesic:	13.088m
Foot geodesic:	5.310m
Head geodesic:	0.115m
Upper width (MUW):	0.929m
Three-quarter width (MTW):	1.748m
Half width (MHW):	3.186m
Quarter width (MQW):	4.333m
Foot median:	12.543m
ORC Mainsail area:	36.232m?
Surface area:	37.378m?

Battens

Position	Length	Roach	Angle	Full
80.000%	1.501m	0.224m	67.960?	Full
60.000%	2.727m	0.309m	67.960?	Full
40.000%	3.716m	0.257m	67.960?	Full
20.000%	4.556m	0.147m	67.960?	Full

Reefing Points

1, Luff: 1.754m ; Leech: 1.869m ; Offset: 0.000m ; Number Eyelets: 3
2, Luff: 3.447m ; Leech: 3.673m ; Offset: 0.000m ; Number Eyelets: 3

Luff Curve

12.099m,	0.000m
9.074m,	-0.071m
6.049m,	-0.094m
3.025m,	-0.071m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.:	Before BSeam	
100% (12.100m) :	0.000m	0.000m
90% (10.890m) :	0.022m	0.059m
80% (9.680m) :	0.042m	0.116m
70% (8.470m) :	0.056m	0.163m
60% (7.260m) :	0.064m	0.191m
50% (6.050m) :	0.066m	0.197m
40% (4.840m) :	0.063m	0.182m
30% (3.630m) :	0.053m	0.150m
20% (2.420m) :	0.038m	0.104m
10% (1.210m) :	0.018m	0.049m
0% (0.000m) :	0.000m	0.000m

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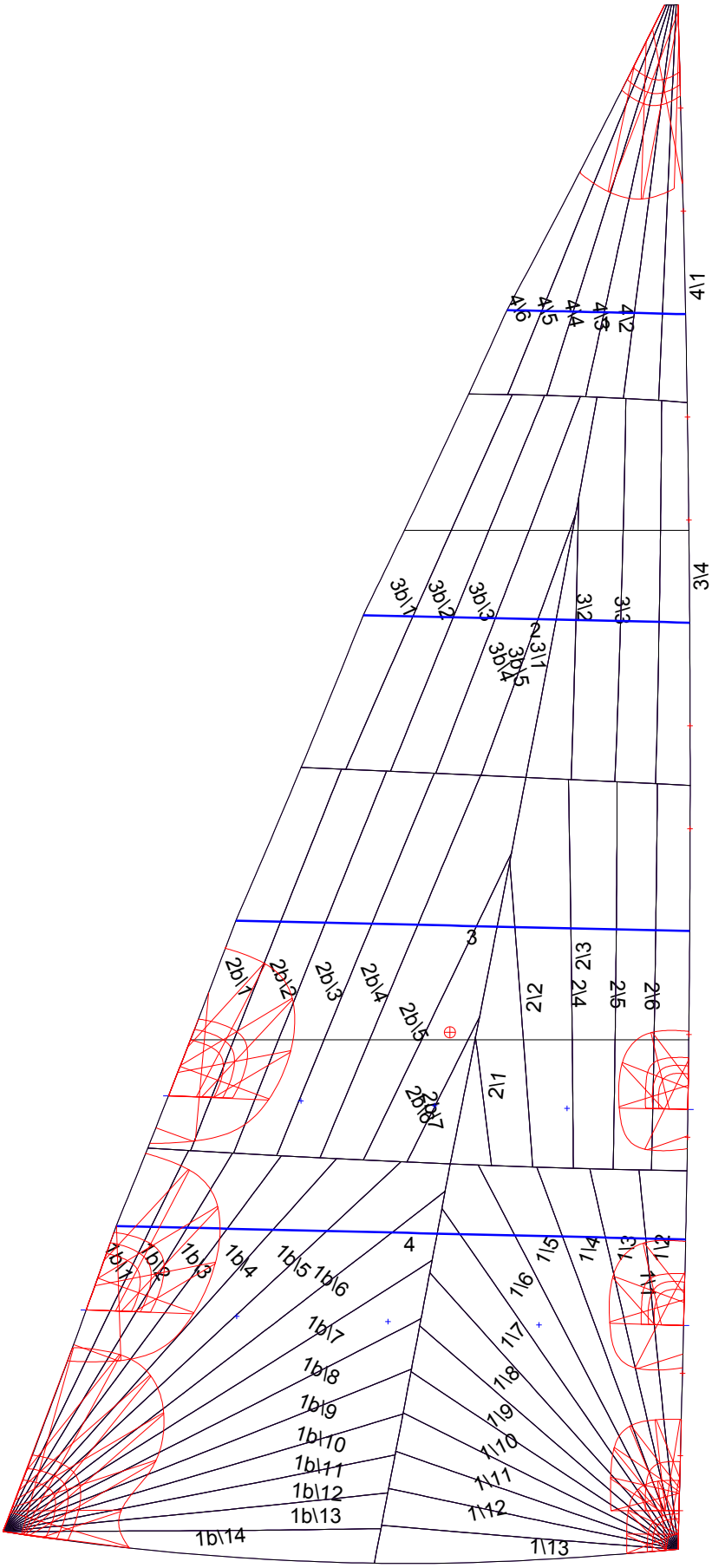

Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.016m	0.025m
Zone: 1/b	0.025m	0.016m	0.025m
Zone: 2/a	0.025m	0.016m	0.025m
Zone: 2/b	0.025m	0.016m	0.025m
Zone: 3/a	0.025m	0.016m	0.025m
Zone: 3/b	0.025m	0.016m	0.025m
Zone: 4	0.025m	0.016m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Materials

Material	Area (m?	Panels
Material 1	37.45	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,1b\9,1b\10,1b\11,1b\12 1b\13,1b\14,2\6,2\5,2\4 2\3,2\2,2\1,2b\7,2b\6 2b\5,2b\4,2b\3,2b\2,2b\1 3\4,3\3,3\2,3\1,3b\5 3b\4,3b\3,3b\2,3b\1,4\1 4\2,4\3,4\4,4\5,4\6

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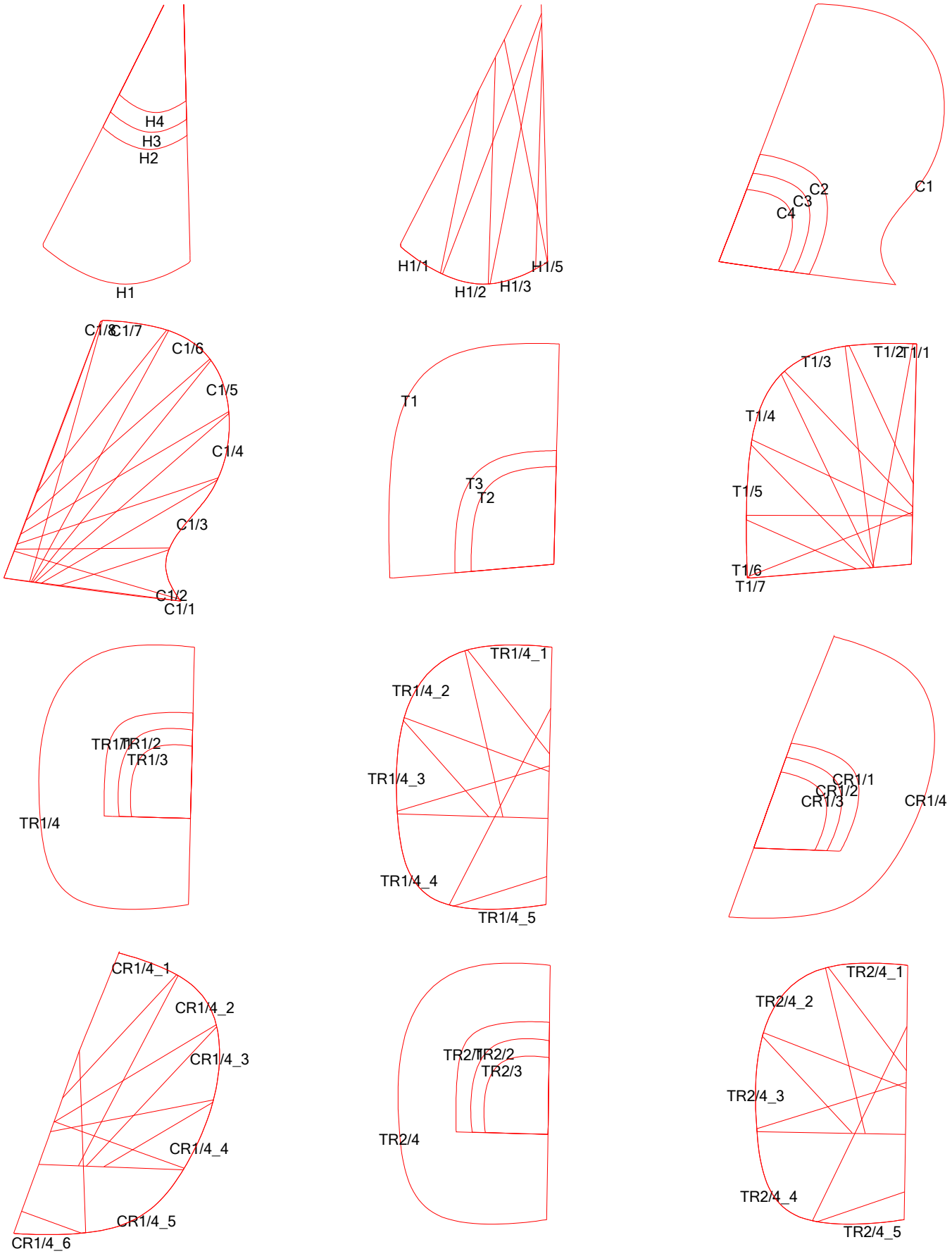
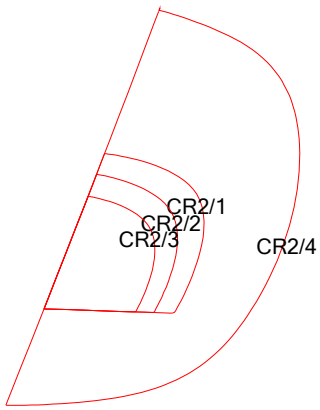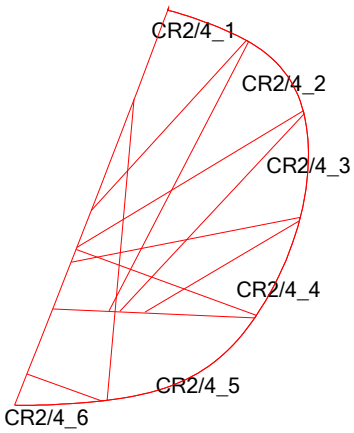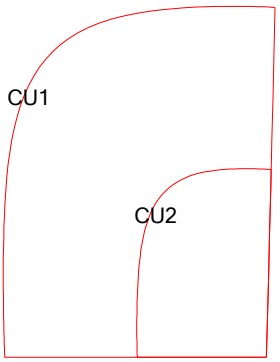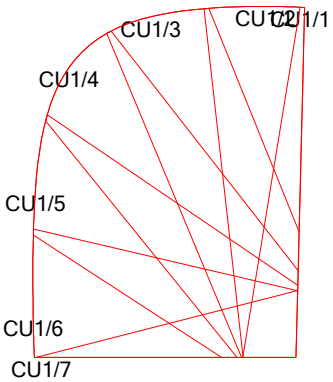
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