Mainsail: Farr 6000 MB1.des
Bob Fussell

Design Info
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Initial Design Date: 14/9/2015
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Boat:
Farr 6000
Client:
Bob Fussell
Comments:
Farr 6000 MB1

Cloth- SFD 250 Challenge 5.93 HMHA or
Bainbridge 655, 1370mm
Design File:
C:\Users\Michael\Documents\MEB\MEB Sails\Designs\Mainsails\Farr 6000\Farr 6000 MB1.des

Design Data
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Main

Luff Geodesic:	7100.0mm	
Leech Geodesic:	7640.0mm	
Foot Geodesic:	2970.0mm	
Mainsail Girth Top(MGT) (87.5%):	676.8mm	
Mainsail Girth Upper(MGU) (75%):	1282.6mm	
Mainsail Girth Medium(MGM) (50%):		2067.6mm
Mainsail Girth Lower(MGL) (25%):	f2600.1mm	
IMS Mainsail Area:	13.282m²	
Mainsail Vertical Girth:	7308.1mm	
Surface Area:	13.962m²	

Battens

Position	Length	Roach	Angle	Full
80.000%	1224.1mm	435.9mm	69.810ø	Full
60.000%	1911.5mm	504.9mm	69.810ø	Full
40.000%	2366.4mm	405.2mm	69.810ø	Full
21.348%	2700.7mm	250.8mm	69.810ø	Full

Reefing Points
1, Luff: 904.0mm ; Leech: 845.6mm ; Offset: 0.0mm ; Number Eyelets: 3

Luff Curve

7099.7mm,	0.0mm
5677.2mm,	-27.3mm
4259.6mm,	-40.7mm
2840.3mm,	-38.3mm
1420.3mm,	-22.7mm
0.0mm,	0.0mm

Fanned Luff (@ 250.0mm)		Before BSeam
100% :	0.0mm	0.0mm
90% :	10.0mm	36.3mm
80% :	20.3mm	72.0mm
70% :	27.1mm	95.6mm
60% :	29.2mm	104.0mm
50% :	28.2mm	99.5mm
40% :	24.8mm	89.9mm
30% :	18.9mm	74.0mm
20% :	11.4mm	53.1mm
10% :	3.6mm	26.1mm
0% :	0.0mm	0.0mm

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Chord Data

Luff P : 7099.6700mm
Foot E : 2965.5000mm
Leech : 7592.6600mm
Headboard width : 120.0000mm

Include Headboard in Diagonal: Diagonal from Inner End of Headboard

Fanned Foot Curve Depths

25.0%	50.0%	75.0%
44.1432mm	59.9531mm	40.2196mm

Seam Allowances

	Split	Radial	Cross
Zone: 1	25.000mm	25.000mm	25.000mm

Edge Excesses

	Luff	Leech	Foot
Sail:	25.000mm	25.000mm	25.000mm

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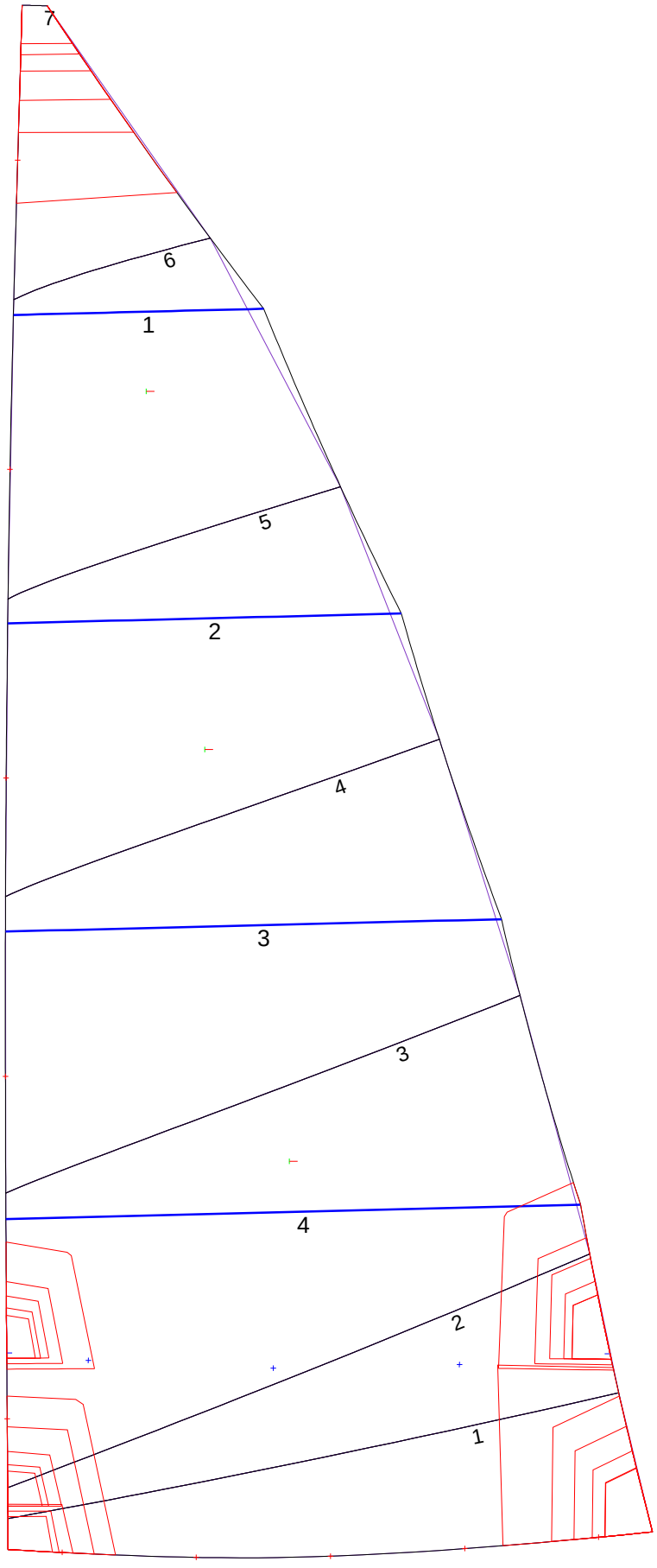
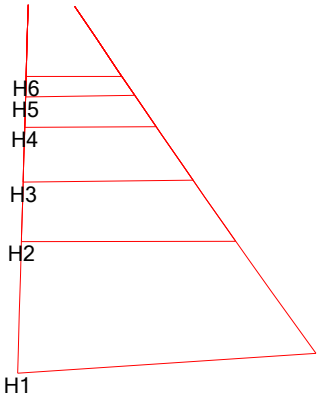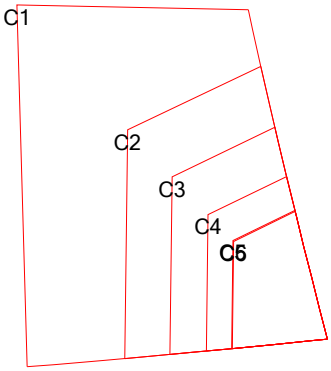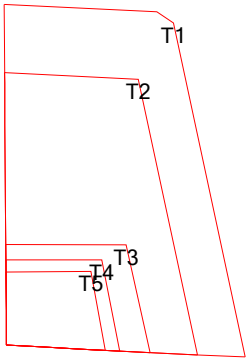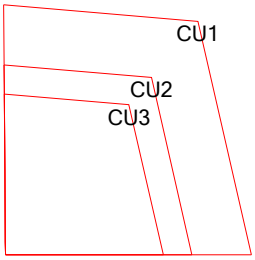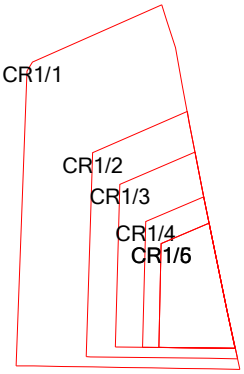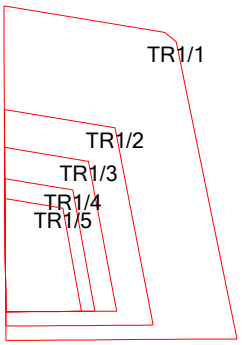
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