Mainsail: 5000419-1 mainsail Don

Design Info
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Design File:
D:\Dropbox\Dropbox\Fareast Sails\2021\5000419 Don\5000419-1 mainsail Don.des

Comments:

Initial Design Date: 27/4/2021
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	9.280m
Leech geodesic:	9.713m
Foot geodesic:	3.270m
Head geodesic:	0.115m
Upper width (MUW):	0.593m
Three-quarter width (MTW):	1.073m
Half width (MHW):	1.915m
Quarter width (MQW):	2.632m
Foot median:	9.452m
ORC Mainsail area:	16.963m?
Surface area:	17.313m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.685m	0.121m	73.289?	7.413m	7.762m	
60.000%	0.978m	0.162m	73.289?	5.553m	5.822m	
40.000%	0.978m	0.133m	73.289?	3.693m	3.881m	
20.000%	0.815m	0.076m	73.289?	1.833m	1.941m	

Reefing Points

1, Luff: 1.392m ; Leech: 1.442m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 2.783m ; Leech: 2.886m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

9.280m,	0.000m
7.008m,	-0.030m
4.644m,	-0.039m
2.322m,	-0.028m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.163m])		Before BSeam
100% (9.280m) :	0.000m	0.000m
90% (8.352m) :	0.011m	0.026m
80% (7.424m) :	0.021m	0.050m
70% (6.496m) :	0.028m	0.067m
60% (5.568m) :	0.031m	0.078m
50% (4.640m) :	0.031m	0.081m
40% (3.712m) :	0.029m	0.077m
30% (2.784m) :	0.024m	0.065m
20% (1.856m) :	0.016m	0.047m
10% (0.928m) :	0.007m	0.023m
0% (0.000m) :	0.000m	0.000m

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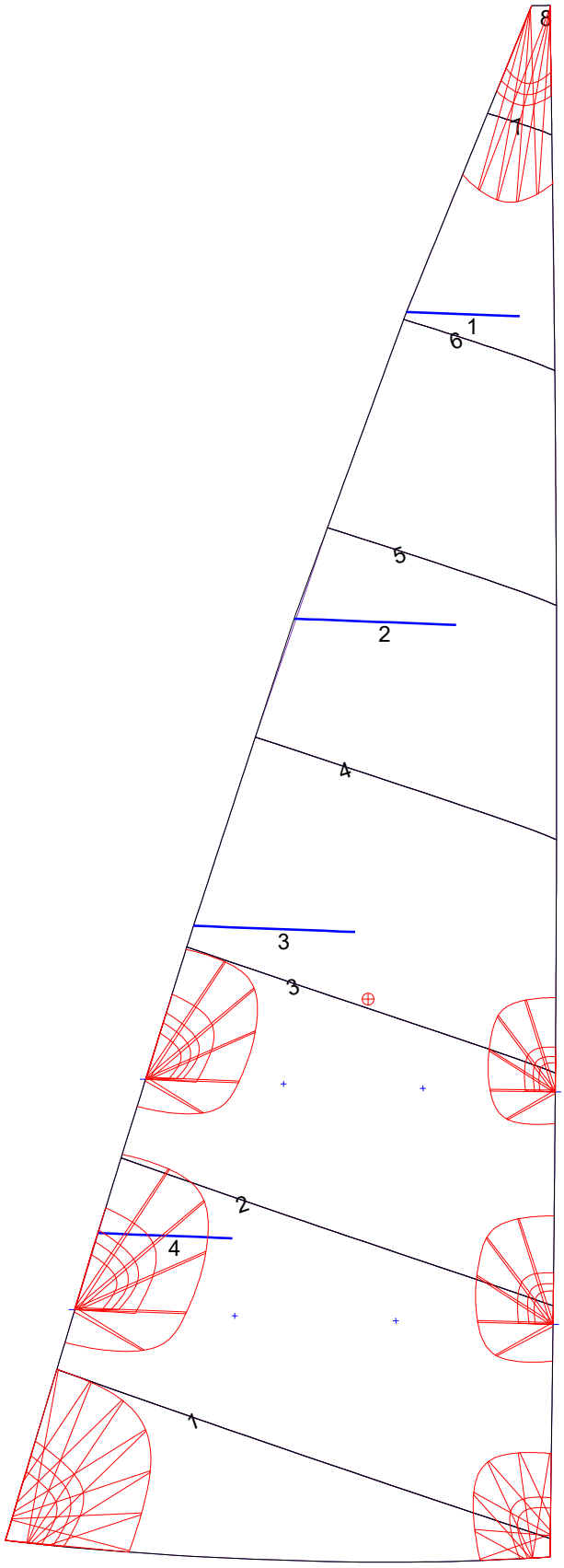

Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	13.18
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m?	Panels
Material 1	17.32	1,2,3,4,5 6,7,8

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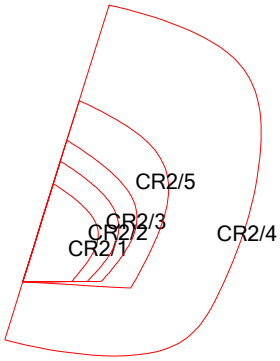

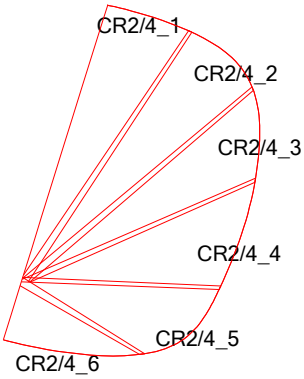

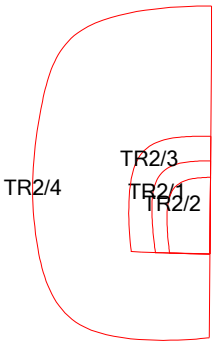

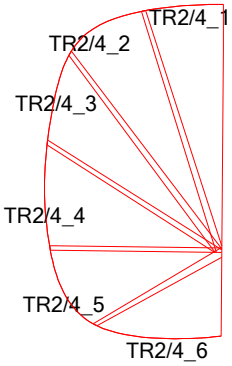

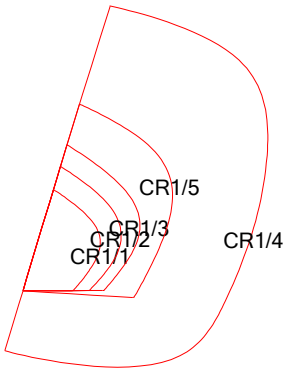

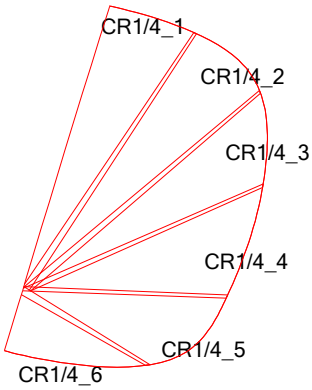

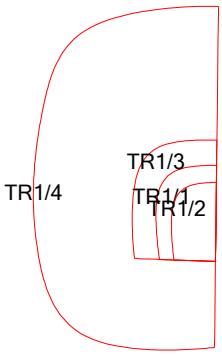

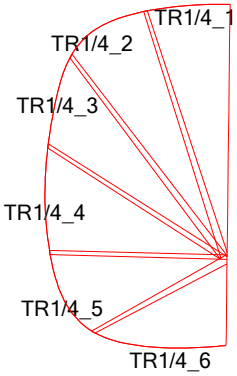

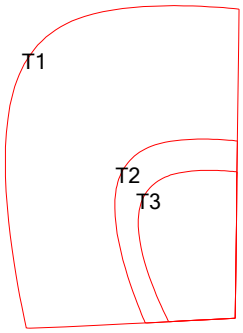

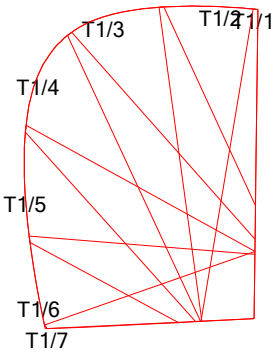

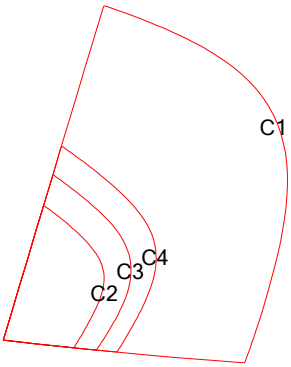

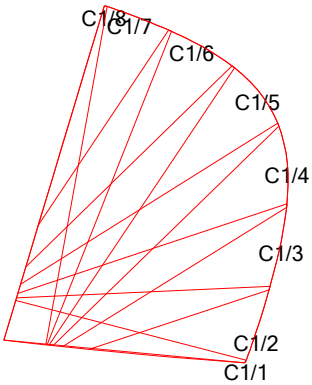
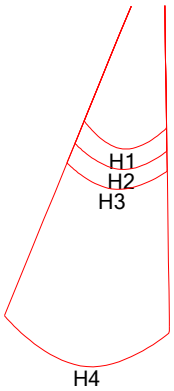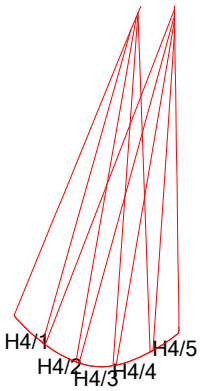
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