

Mainsail: 1000430 Derek mainsail R0



Design Info
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Design File:
E:\Dropbox\Mike computer\Fareast Sails Production\2018\1000430 Derek\1000430 Derek mainsail R0.des

Initial Design Date: 7/11/2018
Boat:

Comments:
tack angle 88.5

Client:

Design Data
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Main

Measurements

Luff geodesic: 13.590m
Leech geodesic: 14.067m
Foot geodesic: 3.940m
Head geodesic: 0.135m
Upper width (MUW): 0.706m
Three-quarter width (MTW): 1.278m
Half width (MHW): 2.316m
Quarter width (MQW): 3.197m
Foot median: 13.780m
ORC Mainsail area: 29.995m?
Surface area: 30.346m?

Battens

Position	Length	Roach	Angle	Full
80.000%	0.760m	0.116m	75.750?	
60.000%	1.150m	0.165m	75.750?	
40.000%	1.150m	0.140m	75.750?	
20.000%	1.150m	0.081m	75.750?	

Reefing Points

1, Luff: 2.038m ; Leech: 2.094m ; Offset: 0.000m ; Number Eyelets: 3
2, Luff: 4.076m ; Leech: 4.188m ; Offset: 0.000m ; Number Eyelets: 3

Luff Curve

Luff Curve	Fanned Luff (@ 5.00% [0. Before BSeam
13.590m, 0.000m	100% (13.590m) : 0.000m 0.000m
10.192m, -0.043m	90% (12.231m) : 0.012m 0.035m
6.795m, -0.057m	80% (10.872m) : 0.024m 0.070m
3.397m, -0.043m	70% (9.513m) : 0.033m 0.100m
0.000m, 0.000m	60% (8.154m) : 0.038m 0.121m
	50% (6.795m) : 0.038m 0.130m
	40% (5.436m) : 0.036m 0.127m
	30% (4.077m) : 0.030m 0.113m
	20% (2.718m) : 0.021m 0.084m
	10% (1.359m) : 0.008m 0.042m
	0% (0.000m) : 0.000m 0.000m

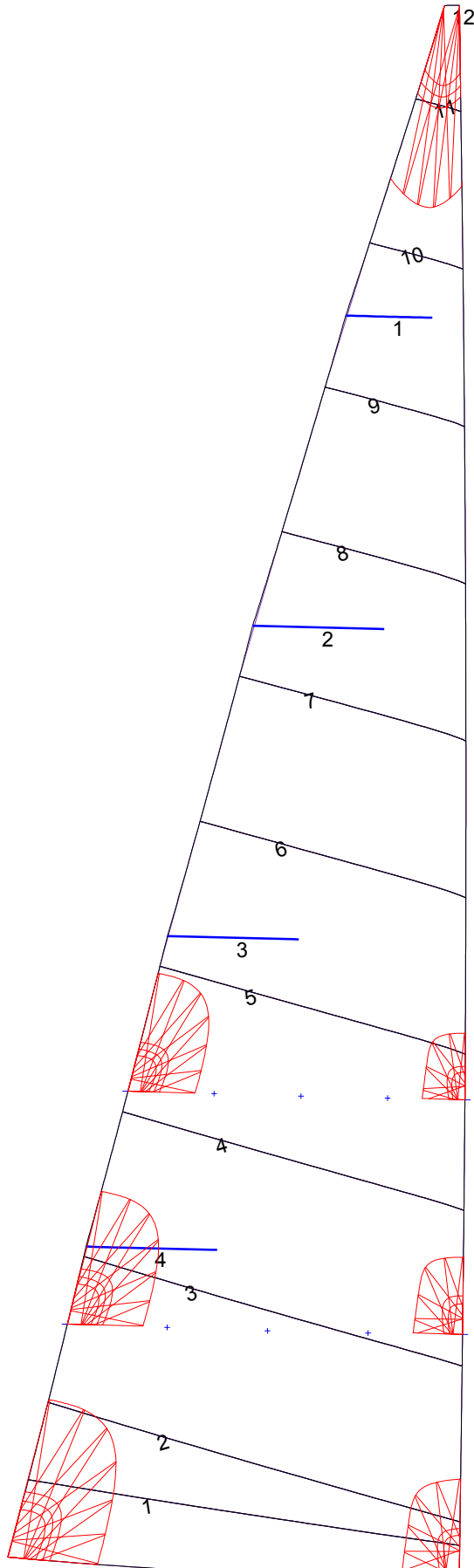
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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.030m

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

Materials		
Material	Area (m ²)	Panels
Material 1	30.38	1,2,3,4,5 6,7,8,9,10 11,12



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