

Mainsail: 6001003 Darrell.des

Design Info
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Design File:
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6001003 Darrell\6001003 Darrell.des

Initial Design Date: 28/10/2022
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	12.000m
Leech geodesic:	12.292m
Foot geodesic:	3.800m
Head geodesic:	0.127m
Upper width (MUW):	0.725m
Three-quarter width (MTW):	1.321m
Half width (MHW):	2.331m
Quarter width (MQW):	3.126m
Foot median:	12.137m
ORC Mainsail area:	26.225m?
Surface area:	26.768m?
Clew height:	0.163m
Mast rake:	0.419m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.136m	0.197m	77.151?	9.589m	9.806m	Full
60.000%	2.001m	0.265m	77.151?	7.191m	7.355m	Full
40.000%	2.698m	0.226m	77.151?	4.793m	4.903m	Full
20.000%	3.280m	0.129m	77.151?	2.396m	2.452m	Full

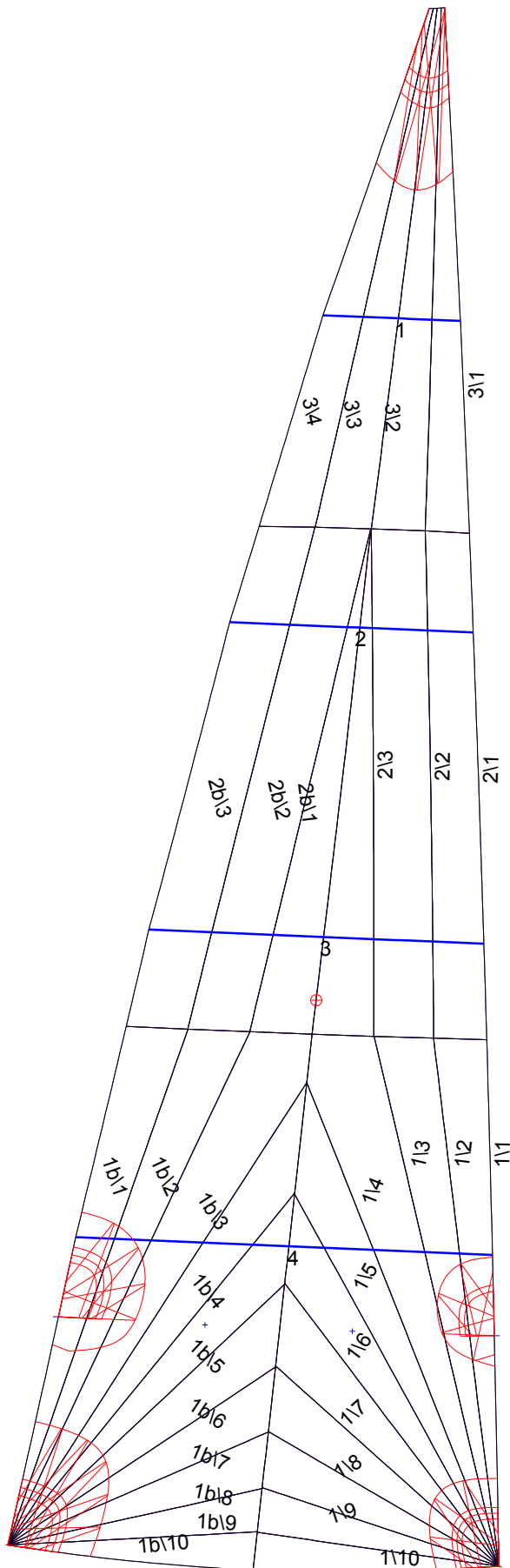
Reefing Points

1, Luff: 1.775m ; Leech: 1.806m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

		Fanned Luff (@ 5.00% [0.189m])	Before BSeam
12.000m,	0.000m	100% (12.000m) :	0.000m
10.504m,	-0.025m	90% (10.800m) :	0.014m
9.000m,	-0.043m	80% (9.600m) :	0.026m
7.491m,	-0.052m	70% (8.400m) :	0.033m
6.000m,	-0.054m	60% (7.200m) :	0.036m
4.471m,	-0.050m	50% (6.000m) :	0.036m
3.000m,	-0.040m	40% (4.800m) :	0.033m
1.495m,	-0.023m	30% (3.600m) :	0.029m
0.000m,	0.000m	20% (2.400m) :	0.021m
		10% (1.200m) :	0.011m
		0% (0.000m) :	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	4.62
Radial/Vertical	82.77
Bi-Radial Split	8.27

Materials

Material	Area (m ²)	Panels
Material 1	26.81	1/1, 1/2, 1/3, 1/4, 1/5 1/6, 1/7, 1/8, 1/9, 1/10 1b1, 1b2, 1b3, 1b4, 1b5 1b6, 1b7, 1b8, 1b9, 1b10 2/1, 2/2, 2/3, 2b1, 2b2 2b3, 3/1, 3/2, 3/3, 3/4