

Mainsail: 6001003 Darrell -V2-1102.des

Design Info
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Design File:
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6001003 Darrell\6001003 Darrell -V2-1102.des

Initial Design Date: 28/10/2022
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 11.890m
 Leech geodesic: 12.292m
 Foot geodesic: 3.800m
 Head geodesic: 0.130m
 Upper width (MUW): 0.716m
 Three-quarter width (MTW): 1.305m
 Half width (MHW): 2.334m
 Quarter width (MQW): 3.148m
 Foot median: 12.084m
 ORC Mainsail area: 26.011m?
 Surface area: 26.597m?
 Clew height: 0.054m
 Mast rake: 0.422m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
79.846%	1.122m	0.173m	75.476?	9.486m	9.788m	Full
59.530%	2.011m	0.250m	75.476?	7.072m	7.297m	Full
39.094%	2.739m	0.228m	75.476?	4.644m	4.792m	Full
19.165%	3.327m	0.143m	75.476?	2.277m	2.349m	Full

Reefing Points

1, Luff: 1.759m ; Leech: 1.800m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

		Fanned Luff (@ 5.00% [0.189m])	Before BSeam
11.890m,	0.000m	100% (11.890m) :	0.000m
10.408m,	-0.025m	90% (10.701m) :	0.014m
8.917m,	-0.043m	80% (9.512m) :	0.026m
7.423m,	-0.052m	70% (8.323m) :	0.034m
5.945m,	-0.054m	60% (7.134m) :	0.037m
4.430m,	-0.050m	50% (5.945m) :	0.037m
2.972m,	-0.040m	40% (4.756m) :	0.034m
1.482m,	-0.023m	30% (3.567m) :	0.029m
0.000m,	0.000m	20% (2.378m) :	0.021m
		10% (1.189m) :	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
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	4.62
Radial/Vertical	82.49
Bi-Radial Split	8.24

Materials

Material	Area (m ²)	Panels
Material 1	26.64	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 2\1,2\2,2\3,2b\1,2b\2 2b\3,3\1,3\2,3\3,3\4

