

Mainsail: 6001003 Darrell -V1-1029.des

Design Info
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Design File:
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6001003 Darrell\6001003 Darrell -V1-1029.des

Initial Design Date: 28/10/2022
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 11.836m
 Leech geodesic: 12.292m
 Foot geodesic: 3.760m
 Head geodesic: 0.127m
 Upper width (MUW): 0.717m
 Three-quarter width (MTW): 1.309m
 Half width (MHW): 2.338m
 Quarter width (MQW): 3.148m
 Foot median: 12.059m
 ORC Mainsail area: 25.855m?
 Surface area: 26.485m?
 Clew height: -0.009m
 Mast rake: 0.419m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
79.846%	1.127m	0.187m	74.696?	9.446m	9.787m	Full
59.530%	2.015m	0.271m	74.696?	7.042m	7.297m	Full
39.094%	2.744m	0.256m	74.696?	4.625m	4.792m	Full
19.165%	3.327m	0.175m	74.696?	2.267m	2.349m	Full

Reefing Points

1, Luff: 1.752m ; Leech: 1.793m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

		Fanned Luff (@ 5.00% [0.187m])	Before BSeam
11.836m,	0.000m	100% (11.836m) :	0.000m
10.361m,	-0.025m	90% (10.653m) :	0.013m
8.877m,	-0.043m	80% (9.469m) :	0.026m
7.389m,	-0.052m	70% (8.285m) :	0.033m
5.918m,	-0.054m	60% (7.102m) :	0.036m
4.410m,	-0.050m	50% (5.918m) :	0.036m
2.959m,	-0.040m	40% (4.734m) :	0.033m
1.475m,	-0.023m	30% (3.551m) :	0.029m
0.000m,	0.000m	20% (2.367m) :	0.021m
		10% (1.184m) :	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	4.63
Radial/Vertical	82.11
Bi-Radial Split	8.22

Materials

Material	Area (m ²)	Panels
Material 1	26.53	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

