

Mainsail: 8000435 Daniel-1 BENETEAU OC 37 furlingmain.des

Design Info =====

Initial Design Date: 8/5/2024
Boat:
BENETEAU OCEANIS 37
Client:

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000435 Daniel B

Comments:
tack angle 87deg

Design Data =====

Main

Measurements

Luff geodesic:	14.355m
Leech geodesic:	14.653m
Foot geodesic:	3.750m
Head geodesic:	0.030m
Upper width (MUW):	0.442m
Three-quarter width (MTW):	0.866m
Half width (MHW):	1.796m
Quarter width (MQW):	2.752m
Foot median:	14.418m
ORC Mainsail area:	26.203m?
Surface area:	26.182m?
Clew height:	0.100m
Mast rake:	0.000m

Draft Stripes

1, Luff: 7.175m ; Leech: 7.278m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.187m])	Before BSeam	
14.355m,	0.000m	100% (14.355m) :	-0.000m	0.000m
12.566m,	-0.020m	90% (12.920m) :	0.011m	0.027m
10.766m,	-0.034m	80% (11.484m) :	0.022m	0.055m
8.962m,	-0.042m	70% (10.049m) :	0.029m	0.079m
7.177m,	-0.043m	60% (8.613m) :	0.032m	0.095m
5.349m,	-0.040m	50% (7.178m) :	0.031m	0.101m
3.589m,	-0.032m	40% (5.742m) :	0.029m	0.098m
1.789m,	-0.018m	30% (4.307m) :	0.024m	0.084m
0.000m,	0.000m	20% (2.871m) :	0.017m	0.062m
		10% (1.436m) :	0.008m	0.032m
		0% (0.000m) :	0.000m	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.030m	0.030m
Cover 1	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.070m	0.070m
Cover 1	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	23.65
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	26.21	1,2,3,4,5 6,7,8,9,10 11,12,13

