

Asymmetric: 8000804 Steve J121 A2 spinnaker.des

Design Info =====

Initial Design Date: 8/8/2024
Boat:
J 121 A2
Client:

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000804 Steve J121

Comments:

Design Data =====

Asymmetric

Measurements

Luff length (SLU):	18.913m	
Leech length (SLE):	16.776m	
Foot length (SFL):	10.735m	
Headboard Width:	0.020m	
Three-quarter width:	6.537m	Closest Pt: 5.171m
Half width (SHW):	10.738m	Closest Pt: 9.715m
Quarter width:	11.811m	Closest Pt: 12.064m
ORC Area:	159.673m ²	
IRC Area:	159.034m ²	
Surface Area:	169.380m ²	
Hoist height:	16.993m	
J:	7.001m	

Luff Curve

15.500m,	0.000m
11.625m,	0.000m
7.750m,	0.000m
3.875m,	0.000m
0.000m,	0.000m

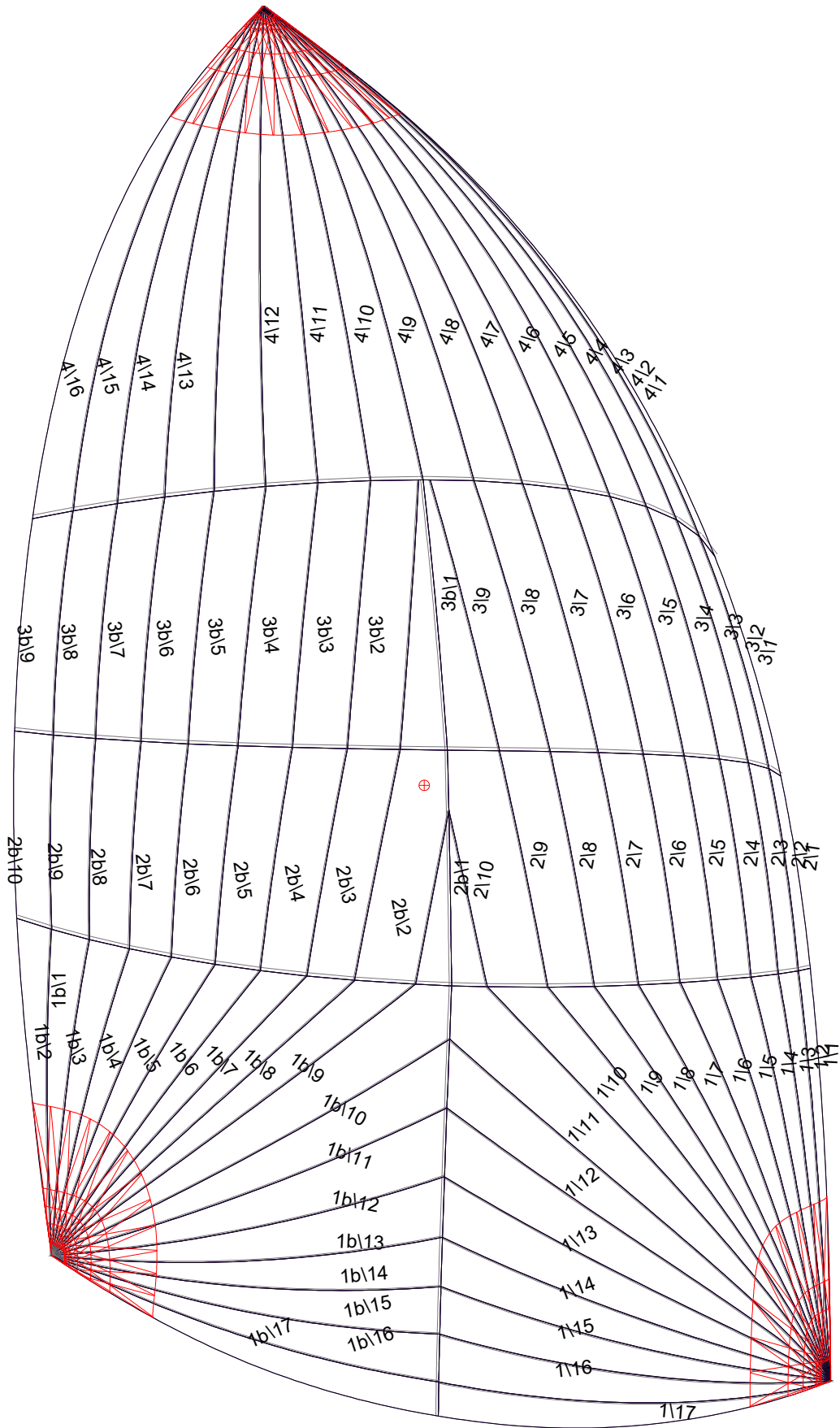
Fanned Luff (@ 5.00% [0.472m])

100% (18.910m) :	0.000m
86% (16.235m) :	-0.025m
74% (13.980m) :	-0.077m
63% (11.995m) :	-0.121m
54% (10.156m) :	-0.142m
44% (8.401m) :	-0.146m
35% (6.695m) :	-0.137m
27% (5.013m) :	-0.116m
18% (3.340m) :	-0.082m
9% (1.670m) :	-0.038m
0% (0.000m) :	0.000m

Before BSeam

0.000m
-0.850m
-1.592m
-2.055m
-0.430m
0.282m
0.583m
0.655m
0.554m
0.324m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.030m	0.016m	0.040m
Zone: 1/b	0.030m	0.016m	0.040m
Zone: 2/a	0.030m	0.016m	0.040m
Zone: 2/b	0.030m	0.016m	0.040m
Zone: 3/a	0.030m	0.016m	0.040m
Zone: 3/b	0.030m	0.016m	0.040m
Zone: 4	0.030m	0.016m	0.040m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	33.62
Radial/Vertical	397.74
Bi-Radial Split	12.15

Materials

Material	Area (m ²)	Panels
Material 1	168.16	1/1,1/2,1/3,1/4,1/5 1/6,1/7,1/8,1/9,1/10 1/11,1/12,1/13,1/14,1/15 1/16,1/17,1b/1,1b/2,1b/3 1b/4,1b/5,1b/6,1b/7,1b/8 1b/9,1b/10,1b/11,1b/12,1b/13 1b/14,1b/15,1b/16,1b/17,2/1 2/2,2/3,2/4,2/5,2/6 2/7,2/8,2/9,2/10,2b/1 2b/2,2b/3,2b/4,2b/5,2b/6 2b/7,2b/8,2b/9,2b/10,3/1 3/2,3/3,3/4,3/5,3/6 3/7,3/8,3/9,3b/1,3b/2 3b/3,3b/4,3b/5,3b/6,3b/7 3b/8,3b/9,4/1,4/2,4/3 4/4,4/5,4/6,4/7,4/8 4/9,4/10,4/11,4/12,4/13 4/14,4/15,4/16