

# Asymmetric: 8000217 Richard Custom 63 cat Aspin Reaching V1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000217 Richard C

Initial Design Date: 9/3/2024  
Boat:  
Custom 63 cat  
Client:

Comments:

Design Data  
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Asymmetric

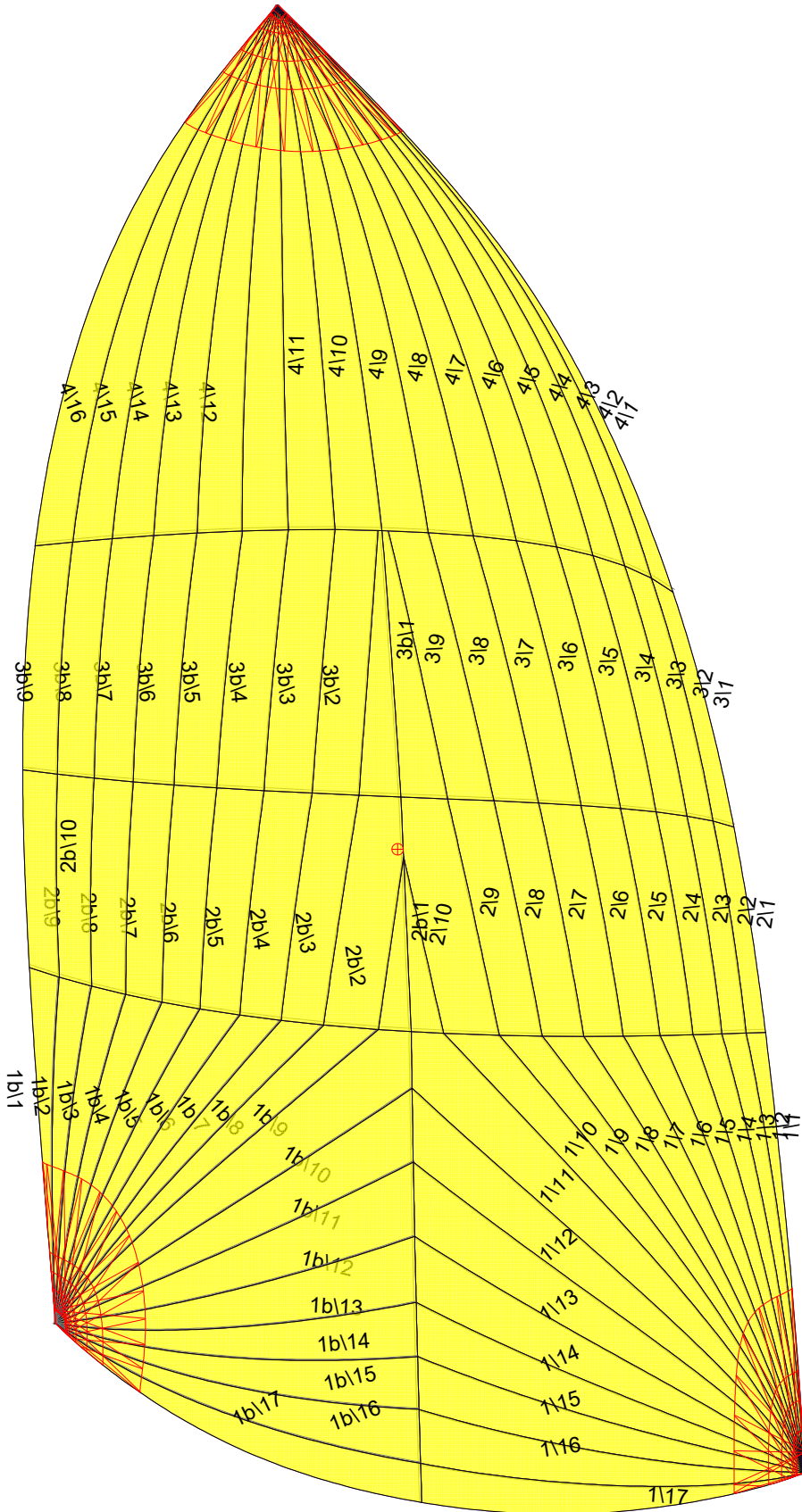
Measurements

Luff length (SLU):	21.946m	
Leech length (SLE):	19.657m	
Foot length (SFL):	12.306m	
Headboard Width:	0.015m	
Three-quarter width:	6.662m	Closest Pt: 5.593m
Half width (SHW):	10.679m	Closest Pt: 9.924m
Quarter width:	11.976m	Closest Pt: 11.869m
ORC Area:	190.762m <sup>2</sup>	
IRC Area:	189.999m <sup>2</sup>	
Surface Area:	197.317m <sup>2</sup>	
Hoist height:	19.050m	
J:	6.837m	

Luff Curve

		Fanned Luff (@ 5.00% [0.503m])	Before BSeam
15.500m,	0.000m	100% (21.862m) :	0.000m -0.000m
11.625m,	0.000m	87% (19.043m) :	-0.220m 1.380m
7.750m,	0.000m	75% (16.499m) :	-0.426m 2.281m
3.875m,	0.000m	65% (14.241m) :	-0.596m 2.659m
0.000m,	0.000m	55% (12.120m) :	-0.720m 2.737m
		46% (10.071m) :	-0.797m 2.582m
		37% (8.060m) :	-0.822m 2.246m
		28% (6.060m) :	-0.778m 1.775m
		19% (4.055m) :	-0.630m 1.220m
		9% (2.034m) :	-0.354m 0.628m
		0% (0.000m) :	0.000m 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	33.37
Radial/Vertical	460.59
Bi-Radial Split	13.72

## Materials

Material	Area (m <sup>2</sup> )	Panels
yellow	101.66	1\1,1\3,1\5,1\7,1\9 1\11,1\13,1\15,1\17,1b\1 1b\3,1b\5,1b\7,1b\9,1b\11 1b\13,1b\15,1b\17,2\1,2\3 2\5,2\7,2\9,2b\2,2b\4 2b\6,2b\8,2b\10,3\1,3\3 3\5,3\7,3\9,3b\1,3b\3 3b\5,3b\7,3b\9,4\1,4\3 4\5,4\7,4\10,4\12,4\14 4\16
yellow	95.31	1\2,1\4,1\6,1\8,1\10 1\12,1\14,1\16,1b\2,1b\4 1b\6,1b\8,1b\10,1b\12,1b\14 1b\16,2\2,2\4,2\6,2\8 2\10,2b\1,2b\3,2b\5,2b\7 2b\9,3\2,3\4,3\6,3\8 3b\2,3b\4,3b\6,3b\8,4\2 4\4,4\6,4\8,4\9,4\11 4\13,4\15