

# Asymmetric: 8000217 Richard Custom 63 cat Aspin.des

## Design Info =====

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

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

Comments:

## Design Data =====

### Asymmetric

#### Measurements

Luff length (SLU):	70.000Ft	
Leech length (SLE):	65.173Ft	
Foot length (SFL):	40.374Ft	
Headboard Width:	0.049Ft	
Three-quarter width:	24.193Ft	Closest Pt: 18.415Ft
Half width (SHW):	40.403Ft	Closest Pt: 37.170Ft
Quarter width:	42.662Ft	Closest Pt: 43.903Ft
ORC Area:	2275.272Ft?	
IRC Area:	2266.171Ft?	
Surface Area:	2391.665Ft?	
Hoist height:	62.500Ft	
J:	22.430Ft	

#### Luff Curve

50.853Ft,	0.000Ft
38.140Ft,	0.000Ft
25.427Ft,	0.000Ft
12.713Ft,	0.000Ft
0.000Ft,	0.000Ft

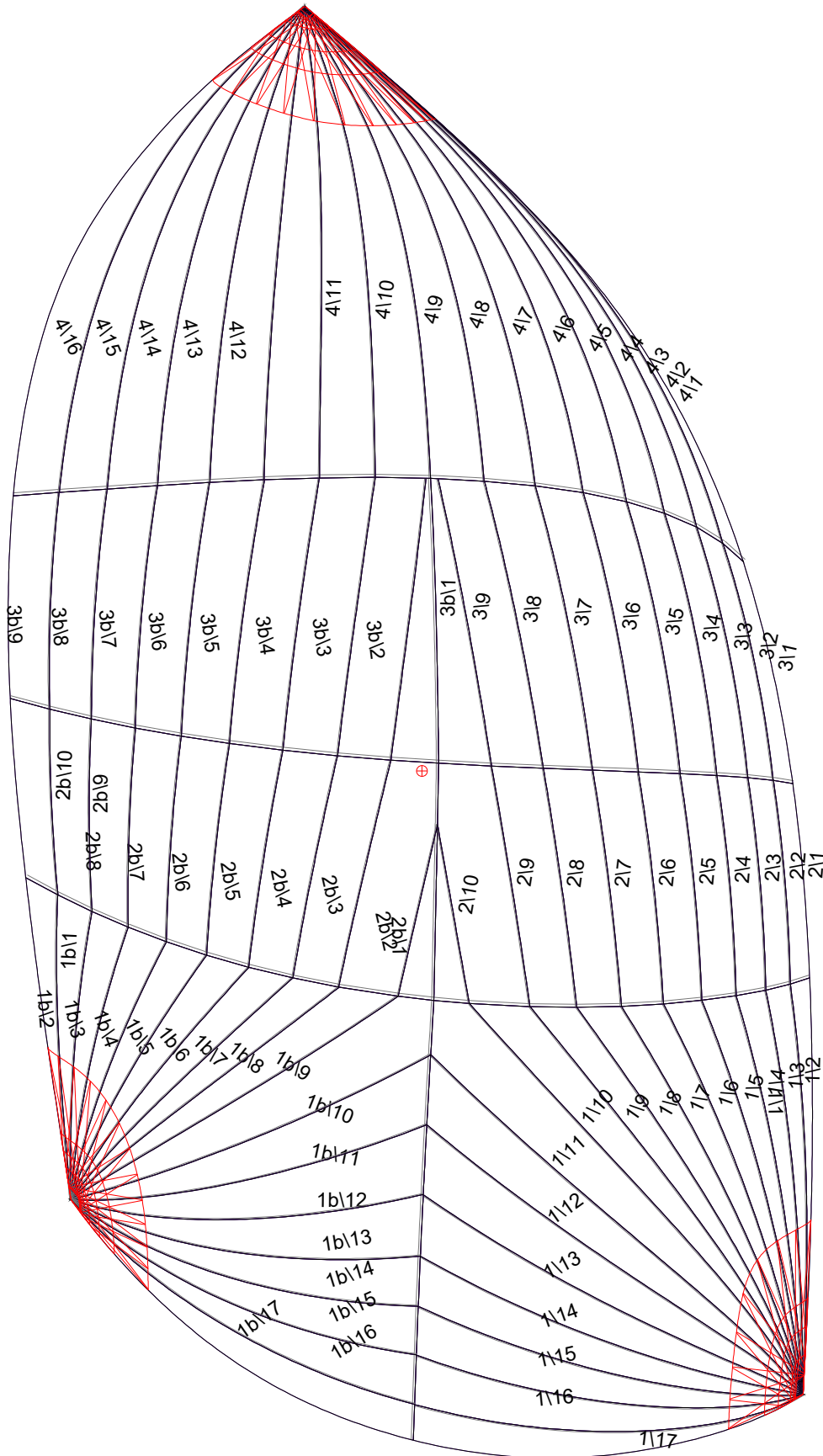
#### Fanned Luff (@ 5.00% [1.606Ft])

100% (69.296Ft) :	0.000Ft
86% (59.867Ft) :	-1.383Ft
74% (51.345Ft) :	-2.562Ft
63% (43.995Ft) :	-3.407Ft
54% (37.379Ft) :	-3.960Ft
45% (31.089Ft) :	-4.247Ft
36% (24.932Ft) :	-4.239Ft
27% (18.801Ft) :	-3.889Ft
18% (12.628Ft) :	-3.097Ft
9% (6.360Ft) :	-1.739Ft
0% (0.000Ft) :	0.000Ft

#### Before BSeam

0.000Ft
4.858Ft
3.753Ft
9.261Ft
9.887Ft
9.425Ft
8.236Ft
6.519Ft
4.467Ft
2.279Ft
0.000Ft

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.098Ft	0.052Ft	0.131Ft
Zone: 1/b	0.098Ft	0.052Ft	0.131Ft
Zone: 2/a	0.098Ft	0.052Ft	0.131Ft
Zone: 2/b	0.098Ft	0.052Ft	0.131Ft
Zone: 3/a	0.098Ft	0.052Ft	0.131Ft
Zone: 3/b	0.098Ft	0.052Ft	0.131Ft
Zone: 4	0.098Ft	0.052Ft	0.131Ft

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000Ft	0.000Ft	0.000Ft

## Total Seam Lengths (Ft)

Horizontal	124.26
Radial/Vertical	1519.95
Bi-Radial Split	45.88

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	2390.70	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