

# Asymmetric: 8000930 Andrew Moody 45DS codezero.des

Design Info  
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Initial Design Date: 10/10/2024  
Boat:  
Moody 45DS codezero  
Client:

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000930 Andrew M

Comments:

Design Data  
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Asymmetric

Measurements

Luff length (SLU):	18.930m	
Leech length (SLE):	17.178m	
Foot length (SFL):	9.520m	
Headboard Width:	0.015m	
Three-quarter width:	3.719m	Closest Pt: 3.219m
Half width (SHW):	6.449m	Closest Pt: 5.806m
Quarter width:	8.286m	Closest Pt: 7.628m
ORC Area:	106.268m <sup>2</sup>	
IRC Area:	105.843m <sup>2</sup>	
Surface Area:	102.694m <sup>2</sup>	
Hoist height:	18.930m	
J:	5.600m	

Luff Curve

15.500m,	0.000m
11.625m,	0.148m
7.750m,	0.197m
3.875m,	0.148m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.456m])

100% (18.916m) :	0.000m	0.000m
90% (16.987m) :	-0.117m	0.118m
80% (15.065m) :	-0.220m	0.261m
70% (13.155m) :	-0.291m	0.393m
60% (11.256m) :	-0.321m	0.460m
50% (9.365m) :	-0.310m	0.486m
40% (7.478m) :	-0.277m	0.465m
30% (5.599m) :	-0.227m	0.400m
20% (3.729m) :	-0.164m	0.297m
10% (1.864m) :	-0.087m	0.158m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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## Seam Allowances

	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/a	0.025m	0.015m	0.025m
Zone: 3/b	0.025m	0.015m	0.025m
Zone: 4	0.025m	0.015m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	20.41
Radial/Vertical	326.81
Bi-Radial Split	11.06

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	102.88	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 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\16,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9,2b\9,2b\8,2b\7,2b\6 2b\5,2b\4,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4,3\5 3\6,3\7,3\8,3b\8,3b\7 3b\6,3b\5,3b\4,3b\3,3b\2 3b\1,4\1,4\2,4\3,4\4 4\5,4\6,4\7,4\8,4\9 4\10,4\11,4\12

