

Asymmetric: 8000930 Andrew Moody 45DS codezeroV1.des

Design Info =====

Initial Design Date: 17/10/2024
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 =====

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 ²	
IRC Area:	105.843m ²	
Surface Area:	102.694m ²	
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
Cover 1	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.025m	0.025m	0.025m
Cover 4	0.025m	0.025m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.070m	0.070m
Cover 1	0.050m	0.070m	0.000m
Cover 2	0.080m	0.080m	0.080m
Cover 3	0.080m	0.080m	0.080m

Total Seam Lengths (m)

Horizontal	20.41
Radial/Vertical	326.81
Bi-Radial Split	11.06

Materials

Material	Area (m ²)	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\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

