

Asymmetric: 8000512 Herwig Allures44 codezeroV2.des

Design Info

=====

Initial Design Date: 22/5/2024
Boat:
Allures 44
Client:

Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000512 Herwig A

Comments:

Design Data

=====

Asymmetric

Measurements

Luff length (SLU): 17.630m
Leech length (SLE): 15.892m
Foot length (SFL): 8.802m
Headboard Width: 0.020m
Three-quarter width: 2.973m
Half width (SHW): 5.382m
Quarter width: 7.326m
ORC Area: 84.730m?
IRC Area: 84.392m?
Surface Area: 84.268m?
Hoist height: 18.070m
J: 5.400m

Closest Pt: 2.648m
Closest Pt: 4.888m
Closest Pt: 6.769m

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% [0.419m])

100% (17.626m) : 0.000m
90% (15.835m) : -0.066m
80% (14.051m) : -0.114m
70% (12.278m) : -0.140m
60% (10.513m) : -0.151m
50% (8.752m) : -0.149m
40% (6.996m) : -0.135m
30% (5.243m) : -0.111m
20% (3.493m) : -0.079m
10% (1.746m) : -0.042m
0% (0.000m) : 0.000m

Before BSeam

0.000m
0.292m
0.412m
0.501m
0.550m
0.558m
0.530m
0.462m
0.355m
0.202m
0.000m

Asymmetric: 8000512 Herwig Allures44 codezeroV2.des

Seam Allowances

Zone:	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
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	17.41
Radial/Vertical	303.01
Bi-Radial Split	10.40

Materials

Material	Area (m ²)	Panels
Material 1	84.15	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\16,1b\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

