

Asymmetric: 8001027 Andres Arabesque32 topdown aspi.des

Design Info

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Initial Design Date: 5/11/2024
Boat:
Arabesque32 topdown aspi
Client:

Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001027 Andres A

Comments:

Design Data

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Asymmetric

Measurements

Luff length (SLU): 12.000m
Leech length (SLE): 10.911m
Foot length (SFL): 7.093m
Headboard Width: 0.015m
Three-quarter width: 3.295m
Half width (SHW): 5.566m
Quarter width: 6.683m
ORC Area: 56.054m?
IRC Area: 55.830m?
Surface Area: 56.926m?
Hoist height: 11.150m
J: 4.100m

Closest Pt: 2.810m
Closest Pt: 5.078m
Closest Pt: 6.427m

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% [0.296m])

100% (11.974m) : 0.000m
88% (10.550m) : -0.092m
77% (9.206m) : -0.200m
67% (7.963m) : -0.290m
57% (6.781m) : -0.337m
47% (5.631m) : -0.351m
38% (4.501m) : -0.339m
28% (3.379m) : -0.299m
19% (2.257m) : -0.227m
9% (1.130m) : -0.121m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
0.398m
0.706m
0.898m
0.991m
0.993m
0.913m
0.759m
0.541m
0.281m
0.000m

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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	17.73
Radial/Vertical	218.93
Bi-Radial Split	7.36

Materials

Material	Area (m ²)	Panels
Material 1	56.87	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

