

Asymmetric: 8001027 Andres Arabesque32 topdown aspi.des

Design Info =====

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 =====

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	Closest Pt: 2.810m
Half width (SHW):	5.566m	Closest Pt: 5.078m
Quarter width:	6.683m	Closest Pt: 6.427m
ORC Area:	56.054m?	
IRC Area:	55.830m?	
Surface Area:	56.926m?	
Hoist height:	11.150m	
J:	4.100m	

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	-0.000m
88% (10.550m) :	-0.092m	0.398m
77% (9.206m) :	-0.200m	0.706m
67% (7.963m) :	-0.290m	0.898m
57% (6.781m) :	-0.337m	0.991m
47% (5.631m) :	-0.351m	0.993m
38% (4.501m) :	-0.339m	0.913m
28% (3.379m) :	-0.299m	0.759m
19% (2.257m) :	-0.227m	0.541m
9% (1.130m) :	-0.121m	0.281m
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	17.73
Radial/Vertical	218.93
Bi-Radial Split	7.36

Materials

Material	Area (m ²)	Panels
red	51.10	1\1,1\2,1\3,1\4,1\5 1\6,1\8,1\9,1\11,1\12 1\13,1\14,1\15,1\16,1b\1 1b\2,1b\3,1b\4,1b\5,1b\6 1b\8,1b\9,1b\11,1b\12,1b\13 1b\14,1b\15,1b\16,2\1,2\2 2\3,2\4,2\5,2\6,2\8 2\9,2b\9,2b\8,2b\6,2b\5 2b\4,2b\3,2b\2,2b\1,3\1 3\2,3\3,3\4,3\5,3\6 3\8,3b\8,3b\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 1\7,1\10,1b\7,1b\10,2\7 2b\7,3\7,3b\7
white	5.77	

