

Asymmetric: 8000919 Richard-2 Gennaker.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000919 Richard E

Initial Design Date: 20/9/2024
Boat:

Comments:

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU):	16.600m	
Leech length (SLE):	14.600m	
Foot length (SFL):	9.980m	
Headboard Width:	0.020m	
Three-quarter width:	5.289m	Closest Pt: 4.339m
Half width (SHW):	8.645m	Closest Pt: 7.899m
Quarter width:	9.842m	Closest Pt: 9.700m
ORC Area:	115.859m ²	
IRC Area:	115.396m ²	
Surface Area:	117.736m ²	
Hoist height:	15.130m	
J:	6.050m	

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% [0.422m])

100% (16.596m) :	0.000m	0.000m
83% (13.772m) :	-0.044m	1.213m
71% (11.726m) :	-0.071m	1.822m
60% (10.032m) :	-0.102m	2.095m
51% (8.497m) :	-0.136m	2.132m
42% (7.039m) :	-0.163m	2.000m
34% (5.619m) :	-0.173m	1.748m
25% (4.214m) :	-0.160m	1.398m
17% (2.811m) :	-0.117m	0.971m
8% (1.405m) :	-0.057m	0.494m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.030m	0.016m	0.030m
Zone: 1/b	0.030m	0.016m	0.030m
Zone: 2/a	0.030m	0.016m	0.030m
Zone: 2/b	0.030m	0.016m	0.030m
Zone: 3/a	0.030m	0.016m	0.030m
Zone: 3/b	0.030m	0.016m	0.030m
Zone: 4	0.030m	0.016m	0.030m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	25.83
Radial/Vertical	314.11
Bi-Radial Split	11.61

Materials

Material	Area (m ²)	Panels
Material 1	46.46	1\1,1\2,1\3,1\13,1\14 1\15,1b\1,1b\2,1b\3,1b\4 1b\5,1b\15,1b\16,1b\17,2\1 2\2,2\3,2b\6,2b\7,2b\8 2b\9,2b\10,3\1,3\2,3\3 3b\5,3b\6,3b\7,3b\8,3b\9 4\1,4\2,4\3,4\10,4\11 4\12,4\13,4\14
Material 2	39.14	1\4,1\5,1\9,1\10,1\11 1\12,1b\6,1b\7,1b\11,1b\12 1b\13,1b\14,2\4,2\5,2b\4 2b\5,3\4,3\5,3b\3,3b\4 4\4,4\5,4\8,4\9
Material 3	32.37	1\6,1\7,1\8,1b\8,1b\9 1b\10,2\6,2\7,2\8,2b\1 2b\2,2b\3,3\6,3\7,3b\1 3b\2,4\6,4\7

