

# Asymmetric: 5001119 Grey Code zero.des

Design Info  
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Design File:  
E:\Dropbox\Fareast Sails\2021\5001119 Greg\5001119 Grey Code zero.des

Initial Design Date: 5/11/2021  
Boat:

Comments:

Client:

Design Data  
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## Asymmetric

### Measurements

Luff length (SLU):	7.890m	
Leech length (SLE):	6.733m	
Foot length (SFL):	4.300m	
Headboard Width:	0.010m	
Three-quarter width:	1.445m	Closest Pt: 1.277m
Half width (SHW):	2.684m	Closest Pt: 2.326m
Quarter width:	3.584m	Closest Pt: 3.134m
ORC Area:	18.325m <sup>2</sup>	
IRC Area:	18.252m <sup>2</sup>	
Surface Area:	17.614m <sup>2</sup>	
Hoist height:	6.970m	
J:	3.710m	

Luff Curve		Fanned Luff (@ 5.00% [0.207m])	Before BSeam
10.349m,	0.000m	100% (7.740m) :	0.000m
7.762m,	0.000m	89% (6.925m) :	-0.221m
5.175m,	0.000m	79% (6.121m) :	-0.425m
2.587m,	0.000m	69% (5.336m) :	-0.581m
0.000m,	0.000m	59% (4.564m) :	-0.664m
		49% (3.799m) :	-0.674m
		39% (3.042m) :	-0.648m
		30% (2.287m) :	-0.559m
		20% (1.530m) :	-0.409m
		10% (0.767m) :	-0.214m
		0% (0.000m) :	0.000m

### Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Luff Off	Luff Roach	Fwd Camb	Aft Camb
100.00%	0.000%	40.000%	18.000?	0.697?	-0.348?	0.000m	0.000m	0.000m	0.000%	0.100%
87.47%	12.633%	40.375%	15.750?	43.316?	-23.331?	0.165m	0.336m	0.068m	10.349%	9.666%
74.97%	16.343%	40.750%	13.500?	52.190?	-29.539?	0.273m	0.619m	0.110m	13.272%	12.407%
62.47%	17.935%	41.125%	11.250?	55.438?	-30.708?	0.320m	0.791m	0.124m	14.481%	13.498%
49.93%	17.665%	41.500%	9.000?	56.153?	-30.463?	0.317m	0.830m	0.123m	14.274%	13.291%
37.49%	16.658%	41.875%	6.750?	54.464?	-29.455?	0.260m	0.793m	0.106m	13.463%	12.583%
25.00%	15.114%	42.250%	4.500?	51.573?	-27.592?	0.190m	0.629m	0.079m	12.248%	11.509%
12.50%	13.811%	42.625%	2.250?	47.658?	-24.599?	0.101m	0.346m	0.042m	11.179%	10.558%
0.00%	11.000%	43.000%	0.000?	43.103?	-20.369?	0.000m	0.000m	0.000m	9.065%	8.537%

### Chord Data

Luff : 7.6537m  
Leech : 6.0964m  
Foot : 4.1476m  
Headboard width : 0.0100m

### Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.0310m	0.0206m	0.0074m

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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	0.025m	0.015m	0.025m
Zone: 3	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	7.84
Radial/Vertical	50.87
Bi-Radial Split	2.08

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	17.62	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,2\1 2\2,2\3,2\4,2\5,2\6 3\1,3\2,3\3,3\4,3\5 4\1,4\2,4\3,4\4

