

# Asymmetric: 7000811 Chris -1 Code zeroV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed Order\7000811 Chr

Initial Design Date: 6/9/2023  
Boat:

Comments:

Client:

Design Data  
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## Asymmetric

### Measurements

Luff length (SLU):	10.740m	
Leech length (SLE):	9.650m	
Foot length (SFL):	6.970m	
Headboard Width:	0.010m	
Three-quarter width:	2.404m	Closest Pt: 1.992m
Half width (SHW):	4.386m	Closest Pt: 3.781m
Quarter width:	5.841m	Closest Pt: 5.197m
ORC Area:	41.654m?	
IRC Area:	41.488m?	
Surface Area:	39.409m?	
Hoist height:	12.400m	
J:	4.150m	

### Luff Curve

15.500m,	0.000m	Fanned Luff (@ 5.00% [0.334m])	Before BSeam
11.625m,	0.000m	100% (10.707m) :	-0.000m 0.000m
7.750m,	0.000m	90% (9.635m) :	-0.135m 0.027m
3.875m,	0.000m	80% (8.564m) :	-0.252m 0.073m
0.000m,	0.000m	70% (7.493m) :	-0.332m 0.136m
		60% (6.423m) :	-0.368m 0.183m
		50% (5.353m) :	-0.361m 0.206m
		40% (4.283m) :	-0.330m 0.203m
		30% (3.213m) :	-0.276m 0.175m
		20% (2.143m) :	-0.202m 0.139m
		10% (1.072m) :	-0.106m 0.085m
		0% (0.000m) :	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?	0.744?	-0.348?	0.000m	0.000m	0.000m	0.000%	0.100%
87.47%	14.008%	40.375%	15.750?	46.283?	-23.331?	0.364m	0.186m	0.000m	11.414%	10.611%
74.97%	18.121%	40.750%	13.500?	55.765?	-29.539?	0.613m	0.332m	0.000m	14.646%	13.611%
62.47%	19.886%	41.125%	11.250?	59.236?	-30.708?	0.687m	0.406m	0.000m	15.985%	14.809%
49.93%	19.587%	41.500%	9.000?	60.000?	-30.463?	0.664m	0.405m	0.000m	15.752%	14.579%
37.49%	18.471%	41.875%	6.750?	58.195?	-29.455?	0.561m	0.360m	0.000m	14.852%	13.792%
25.00%	16.758%	42.250%	4.500?	55.106?	-27.592?	0.413m	0.275m	0.000m	13.507%	12.600%
12.50%	15.313%	42.625%	2.250?	50.923?	-24.599?	0.227m	0.150m	0.000m	12.327%	11.540%
0.00%	12.197%	43.000%	0.000?	46.056?	-20.369?	0.000m	0.000m	0.000m	9.984%	9.306%

### Chord Data

Luff : 10.6990m  
Leech : 9.2399m  
Foot : 6.6786m  
Headboard width : 0.0100m

### Fanned Foot Curve Depths

25.0%	50.0%	75.0%
-0.0499m	-0.1069m	-0.0926m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.016m	0.025m
Zone: 1/b	0.025m	0.016m	0.025m
Zone: 2/a	0.025m	0.016m	0.025m
Zone: 2/b	0.025m	0.016m	0.025m
Zone: 3/a	0.025m	0.016m	0.025m
Zone: 3/b	0.025m	0.016m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	8.92
Radial/Vertical	147.22
Bi-Radial Split	10.15

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	19.36	1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 1b\11,1b\12,2\1,2\2,2\3 2\4,2\5,2\6,3b\5,3b\4 3b\3,3b\2,3b\1
Material 2	19.52	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,2b\6,2b\5,2b\4 2b\3,2b\2,2b\1,3\1,3\2 3\3,3\4
Material 3	0.61	3\5

