

# Asymmetric: 8001102 Stephen Kim Holman Sloop1956 DriffterV3.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001102 Stephen

Initial Design Date: 13/12/2024  
Boat:

Comments:

Client:

Design Data  
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## Asymmetric

### Measurements

Luff length (SLU):	7.762m	
Leech length (SLE):	7.542m	
Foot length (SFL):	4.273m	
Headboard Width:	0.005m	
Three-quarter width:	1.958m	Closest Pt: 1.654m
Half width (SHW):	3.420m	Closest Pt: 3.063m
Quarter width:	4.096m	Closest Pt: 3.826m
ORC Area:	22.896m <sup>2</sup>	
IRC Area:	22.804m <sup>2</sup>	
Surface Area:	23.044m <sup>2</sup>	
Hoist height:	8.460m	
J:	3.090m	

### Luff Curve

15.500m,	0.000m
11.625m,	0.060m
7.750m,	0.080m
3.875m,	0.060m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.194m])

100% (7.610m) :	0.000m
90% (6.847m) :	-0.243m
80% (6.085m) :	-0.446m
70% (5.325m) :	-0.576m
60% (4.566m) :	-0.642m
50% (3.807m) :	-0.650m
40% (3.048m) :	-0.623m
30% (2.289m) :	-0.550m
20% (1.529m) :	-0.420m
10% (0.767m) :	-0.231m
0% (0.000m) :	0.000m

### Before BSeam

0.000m
0.014m
0.056m
0.120m
0.165m
0.188m
0.185m
0.163m
0.122m
0.065m
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?	0.875?	-0.348?	0.000m	0.000m	0.000m	0.000%	0.000%
87.47%	17.694%	40.375%	15.744?	54.426?	-23.331?	0.547m	0.317m	0.000m	14.262%	13.145%
74.97%	22.890%	40.750%	13.494?	65.576?	-29.539?	0.885m	0.550m	0.000m	18.335%	16.820%
62.47%	25.120%	41.125%	11.244?	69.657?	-30.708?	1.010m	0.671m	0.000m	20.029%	18.294%
49.93%	25.123%	41.500%	8.988?	70.555?	-30.463?	1.010m	0.695m	0.000m	20.002%	18.250%
37.49%	24.322%	41.875%	6.749?	68.433?	-29.455?	0.882m	0.658m	0.000m	19.298%	17.657%
25.00%	22.929%	42.250%	4.500?	65.626?	-27.592?	0.671m	0.537m	0.000m	18.165%	16.644%
10.00%	20.417%	42.625%	1.800?	60.387?	-24.599?	0.299m	0.256m	0.000m	16.185%	14.841%
0.00%	18.538%	43.000%	0.000?	55.373?	-20.369?	0.000m	0.000m	0.000m	14.667%	13.328%
-5.00%	17.301%	43.150%	-0.900?	52.405?	-18.571?	-0.146m	-0.123m	0.000m	13.695%	12.394%

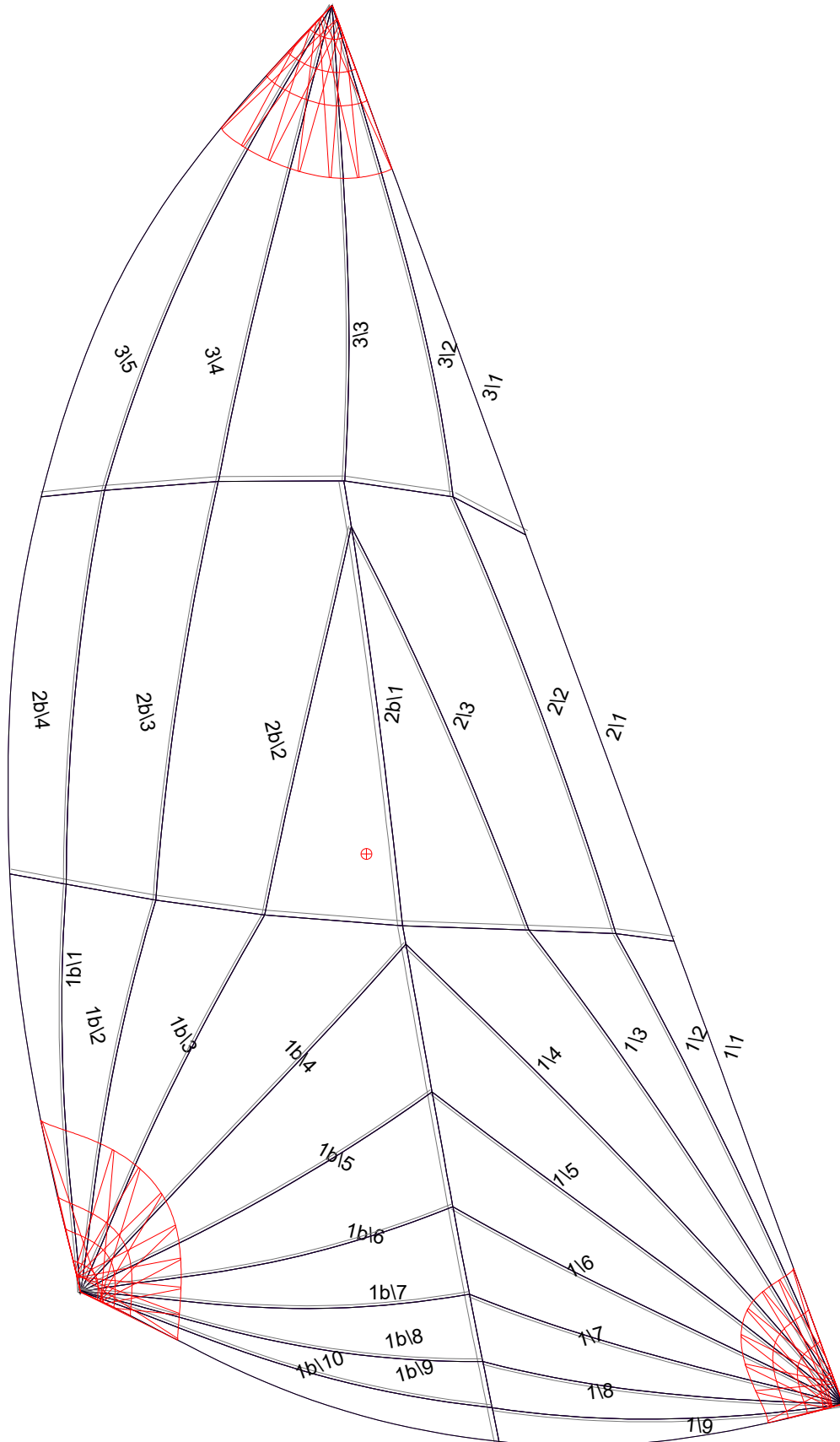
### Chord Data

Luff :	7.5870m
Leech :	6.6812m
Foot :	3.9293m
Headboard width :	0.0050m

### Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.0920m	0.1523m	0.1220m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2/a	0.025m	0.014m	0.025m
Zone: 2/b	0.025m	0.014m	0.025m
Zone: 3	0.025m	0.014m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	6.83
Radial/Vertical	66.53
Bi-Radial Split	5.39

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 2	22.98	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1b1 1b2,1b3,1b4,1b5,1b6 1b7,1b8,1b9,1b10,2\1 2\2,2\3,2b1,2b2,2b3 2b4,3\1,3\2,3\3,3\4 3\5