

Asymmetric: 8001102 Stephen Kim Holman Sloop1956 DriffterV2.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: 13/11/2024
Boat:

Comments:

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU):	7.712m	
Leech length (SLE):	7.343m	
Foot length (SFL):	4.717m	
Headboard Width:	0.005m	
Three-quarter width:	2.081m	Closest Pt: 1.729m
Half width (SHW):	3.543m	Closest Pt: 3.181m
Quarter width:	4.322m	Closest Pt: 4.117m
ORC Area:	23.700m?	
IRC Area:	23.605m?	
Surface Area:	23.245m?	
Hoist height:	8.460m	
J:	2.775m	

Luff Curve		Fanned Luff (@ 5.00% [0.223m])	Before BSeam
15.500m,	0.000m	100% (7.710m) :	0.000m
11.625m,	0.060m	89% (6.886m) :	-0.027m
7.750m,	0.080m	79% (6.078m) :	-0.053m
3.875m,	0.060m	69% (5.291m) :	-0.069m
0.000m,	0.000m	59% (4.515m) :	-0.078m
		49% (3.748m) :	-0.081m
		39% (2.989m) :	-0.078m
		29% (2.237m) :	-0.068m
		19% (1.488m) :	-0.050m
		10% (0.743m) :	-0.026m
		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%	20.000?	0.697?	-0.363?	0.000m	0.000m	0.000m	0.000%	0.000%
87.47%	16.350%	40.375%	17.500?	41.313?	-24.294?	0.472m	0.093m	0.127m	12.857%	12.242%
74.97%	20.816%	40.750%	15.000?	52.190?	-30.757?	0.704m	0.157m	0.204m	16.403%	15.466%
62.47%	22.844%	41.125%	12.500?	55.438?	-31.975?	0.767m	0.186m	0.233m	17.922%	16.828%
49.93%	22.714%	41.500%	10.000?	56.153?	-31.719?	0.736m	0.194m	0.233m	17.807%	16.707%
37.49%	21.795%	41.875%	7.500?	54.464?	-30.670?	0.620m	0.180m	0.204m	17.041%	16.047%
25.00%	19.659%	42.250%	5.000?	51.573?	-28.731?	0.444m	0.142m	0.152m	15.396%	14.567%
12.50%	17.591%	42.625%	2.500?	47.658?	-25.613?	0.231m	0.079m	0.084m	13.779%	13.081%
0.00%	14.011%	43.000%	0.000?	43.103?	-21.210?	0.000m	0.000m	0.000m	11.121%	10.525%

Chord Data

Luff : 7.6829m
Leech : 6.9324m
Foot : 4.4694m
Headboard width : 0.0050m

Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.0151m	0.0172m	0.0135m

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Seam Allowances

Zone:	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	7.19
Radial/Vertical	67.68
Bi-Radial Split	4.97

Materials

Material	Area (m ²)	Panels
Material 2	23.26	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

