

Asymmetric: 8001102 Stephen Kim Holman Sloop1956 Driffter.des

Design Info

=====

Initial Design Date: 6/11/2024
Boat:
Kim Holman Sloop1956
Client:

Design File:

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

Comments:

Design Data

=====

Asymmetric

Measurements

Luff length (SLU): 7.600m
Leech length (SLE): 6.946m
Foot length (SFL): 4.578m
Headboard Width: 0.005m
Three-quarter width: 1.082m
Half width (SHW): 2.262m
Quarter width: 3.433m
ORC Area: 16.517m?
IRC Area: 16.451m?
Surface Area: 15.952m?
Hoist height: 8.460m
J: 2.775m

Closest Pt: 0.972m
Closest Pt: 2.048m
Closest Pt: 3.135m

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% [0.221m])

100% (7.595m) : 0.000m
90% (6.835m) : -0.047m
80% (6.075m) : -0.085m
70% (5.316m) : -0.110m
60% (4.556m) : -0.123m
50% (3.797m) : -0.125m
40% (3.038m) : -0.116m
30% (2.279m) : -0.098m
20% (1.519m) : -0.070m
10% (0.760m) : -0.036m
0% (0.000m) : 0.000m

Before BSeam

0.000m
0.013m
0.037m
0.065m
0.086m
0.098m
0.099m
0.090m
0.068m
0.036m
0.000m

Asymmetric: 8001102 Stephen Kim Holman Sloop1956 Driffter.des

Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.013m	0.025m
Zone: 1/b	0.025m	0.013m	0.025m
Zone: 2/a	0.025m	0.013m	0.025m
Zone: 2/b	0.025m	0.013m	0.025m
Zone: 3	0.025m	0.013m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	4.82
Radial/Vertical	43.30
Bi-Radial Split	4.71

Materials

Material	Area (m ²)	Panels
Material 1	15.98	1\1,1\2,1\3,1\4,1\5 1\6,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,2\1,2\2 2b\3,2b\2,2b\1,3\1,3\2 3\3,3\4

