

Asymmetric: 8000512 Herwig Allures44 codezero.des

Design Info =====

Initial Design Date: 15/5/2024
Boat:
Allures 44
Client:

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000512 Herwig A

Comments:

Design Data =====

Asymmetric

Measurements

Luff length (SLU): 16.650m
Leech length (SLE): 15.395m
Foot length (SFL): 9.210m
Headboard Width: 0.015m
Three-quarter width: 3.484m
Half width (SHW): 6.083m
Quarter width: 7.950m
ORC Area: 89.570m?
IRC Area: 89.212m?
Surface Area: 89.819m?
Hoist height: 16.650m
J: 5.420m

Closest Pt: 3.058m
Closest Pt: 5.529m
Closest Pt: 7.418m

Luff Curve

15.500m, 0.000m
11.625m, 0.000m
7.750m, 0.000m
3.875m, 0.000m
0.000m, 0.000m

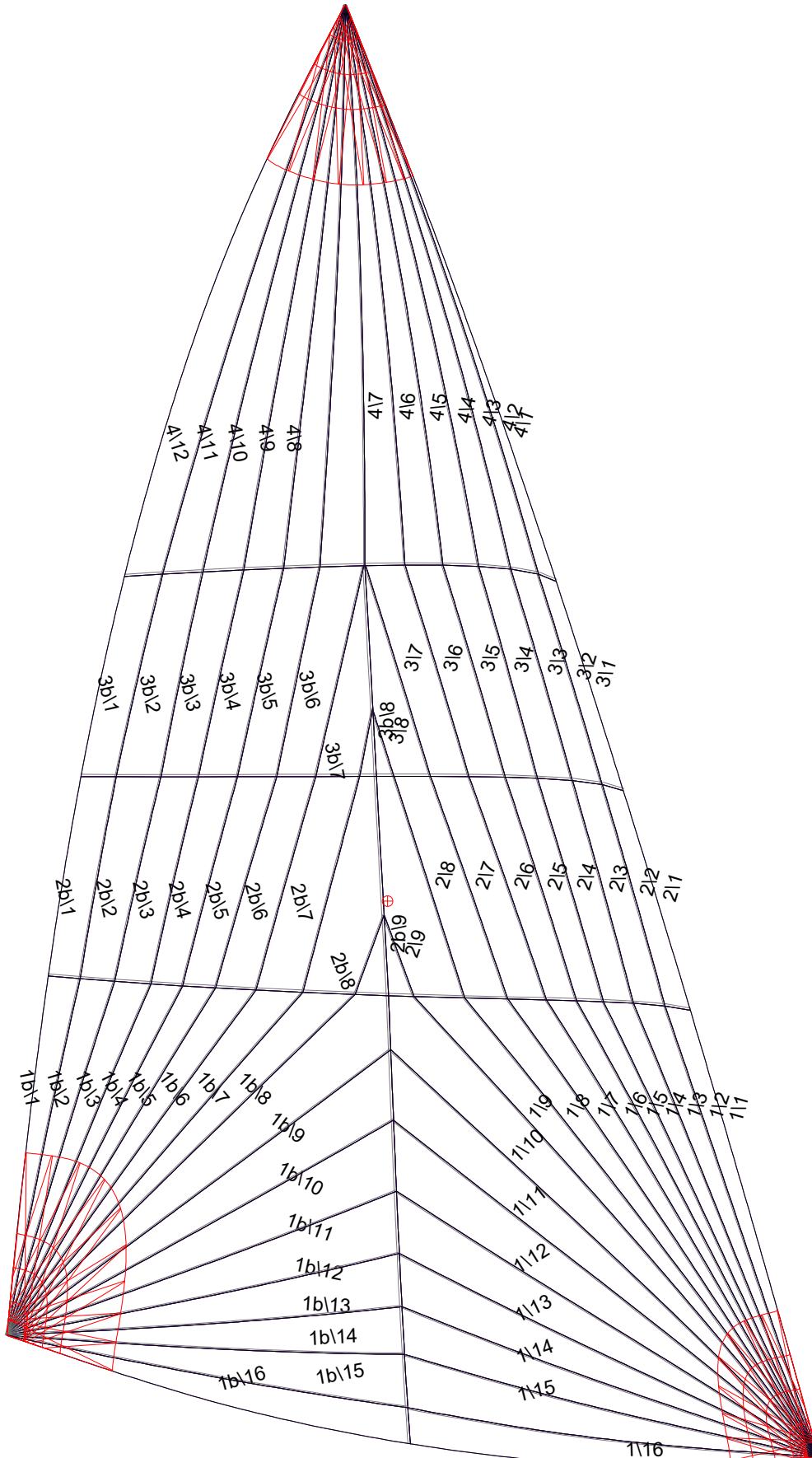
Fanned Luff (@ 5.00% [0.442m])

100% (16.647m) : 0.000m
90% (14.946m) : -0.064m
80% (13.255m) : -0.110m
70% (11.578m) : -0.134m
60% (9.909m) : -0.143m
50% (8.247m) : -0.141m
40% (6.591m) : -0.127m
30% (4.939m) : -0.104m
20% (3.290m) : -0.074m
10% (1.643m) : -0.039m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
0.167m
0.331m
0.452m
0.523m
0.546m
0.524m
0.459m
0.353m
0.201m
0.000m

Asymmetric: 8000512 Herwig Allures44 codezero.des



Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3/a	0.025m	0.015m	0.025m
Zone: 3/b	0.025m	0.015m	0.025m
Zone: 4	0.025m	0.015m	0.025m

Edge Excesses

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

Total Seam Lengths (m)

Horizontal	19.56
Radial/Vertical	295.70
Bi-Radial Split	10.02

Materials

Material	Area (m ²)	Panels
Material 1	89.72	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1\14,1\15 1b\1,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,1b\12,1b\13,1b\14 1b\15,1b\16,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9,2b\9,2b\8,2b\7,2b\6 2b\5,2b\4,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4,3\5 3\6,3\7,3\8,3b\8,3b\7 3b\6,3b\5,3b\4,3b\3,3b\2 3b\1,4\1,4\2,4\3,4\4 4\5,4\6,4\7,4\8,4\9 4\10,4\11,4\12