

Asymmetric: 7000903 Luc Fontaine Pajot Astrea42 Code zeroV1.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed Order\7000903 Luc

Initial Design Date: 7/9/2023
Boat:

Comments:

Client:

Design Data
=====

Asymmetric

Measurements

Luff length (SLU): 17.200m
Leech length (SLE): 15.247m
Foot length (SFL): 9.095m
Headboard Width: 0.010m
Three-quarter width: 3.201m
Half width (SHW): 5.758m
Quarter width: 7.675m
ORC Area: 86.865m?
IRC Area: 86.518m?
Surface Area: 82.589m?
Hoist height: 17.020m
J: 5.360m

Closest Pt: 2.733m
Closest Pt: 5.049m
Closest Pt: 6.874m

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% [0.435m])

100% (17.160m) : 0.000m -0.000m
90% (15.443m) : -0.188m 0.040m
80% (13.726m) : -0.353m 0.101m
70% (12.010m) : -0.464m 0.185m
60% (10.295m) : -0.515m 0.250m
50% (8.579m) : -0.506m 0.291m
40% (6.864m) : -0.463m 0.304m
30% (5.149m) : -0.388m 0.283m
20% (3.433m) : -0.284m 0.219m
10% (1.717m) : -0.149m 0.116m
0% (0.000m) : 0.000m 0.000m

Before BSeam

Asymmetric: 7000903 Luc Fontaine Pajot Astrea42 Code zeroV1.des

Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.016m	0.038m
Zone: 1/b	0.025m	0.016m	0.038m
Zone: 2/a	0.025m	0.016m	0.038m
Zone: 2/b	0.025m	0.016m	0.038m
Zone: 3/a	0.025m	0.016m	0.038m
Zone: 3/b	0.025m	0.016m	0.038m
Cover 1	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.025m	0.025m	0.025m
Cover 4	0.025m	0.025m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.070m	0.070m
Cover 1	0.000m	0.070m	0.070m
Cover 2	0.070m	0.100m	0.070m
Cover 3	0.070m	0.100m	0.070m

Total Seam Lengths (m)

Horizontal	11.38
Radial/Vertical	264.79
Bi-Radial Split	16.28

Materials

Material	Area (m ²)	Panels
Material 1	40.51	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\14,2\1 2\2,2\3,2\4,2\5,2\6 2\7,3b\6,3b\5,3b\4,3b\3 3b\2,3b\1
Material 2	41.08	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\14,2b\7 2b\6,2b\5,2b\4,2b\3,2b\2 2b\1,3\1,3\2,3\3,3\4
Material 3	1.15	3\6 3\5

