

Asymmetric: 8001012 Anne X-Yachts IMX40 asy spiV1.des

Design Info =====

Initial Design Date: 22/10/2024
Boat:
X-Yachts IMX40
Client:

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001012 Anne X-Y

Comments:
JSP=4.6m, and bow sprit=0.5m

Design Data =====

Asymmetric

Measurements

Luff length (SLU):	16.620m	
Leech length (SLE):	14.781m	
Foot length (SFL):	8.925m	
Headboard Width:	0.015m	
Three-quarter width:	4.693m	Closest Pt: 3.932m
Half width (SHW):	7.746m	Closest Pt: 7.072m
Quarter width:	9.002m	Closest Pt: 8.836m
ORC Area:	104.429m ²	
IRC Area:	104.011m ²	
Surface Area:	107.500m ²	
Hoist height:	16.035m	
J:	5.100m	

Luff Curve

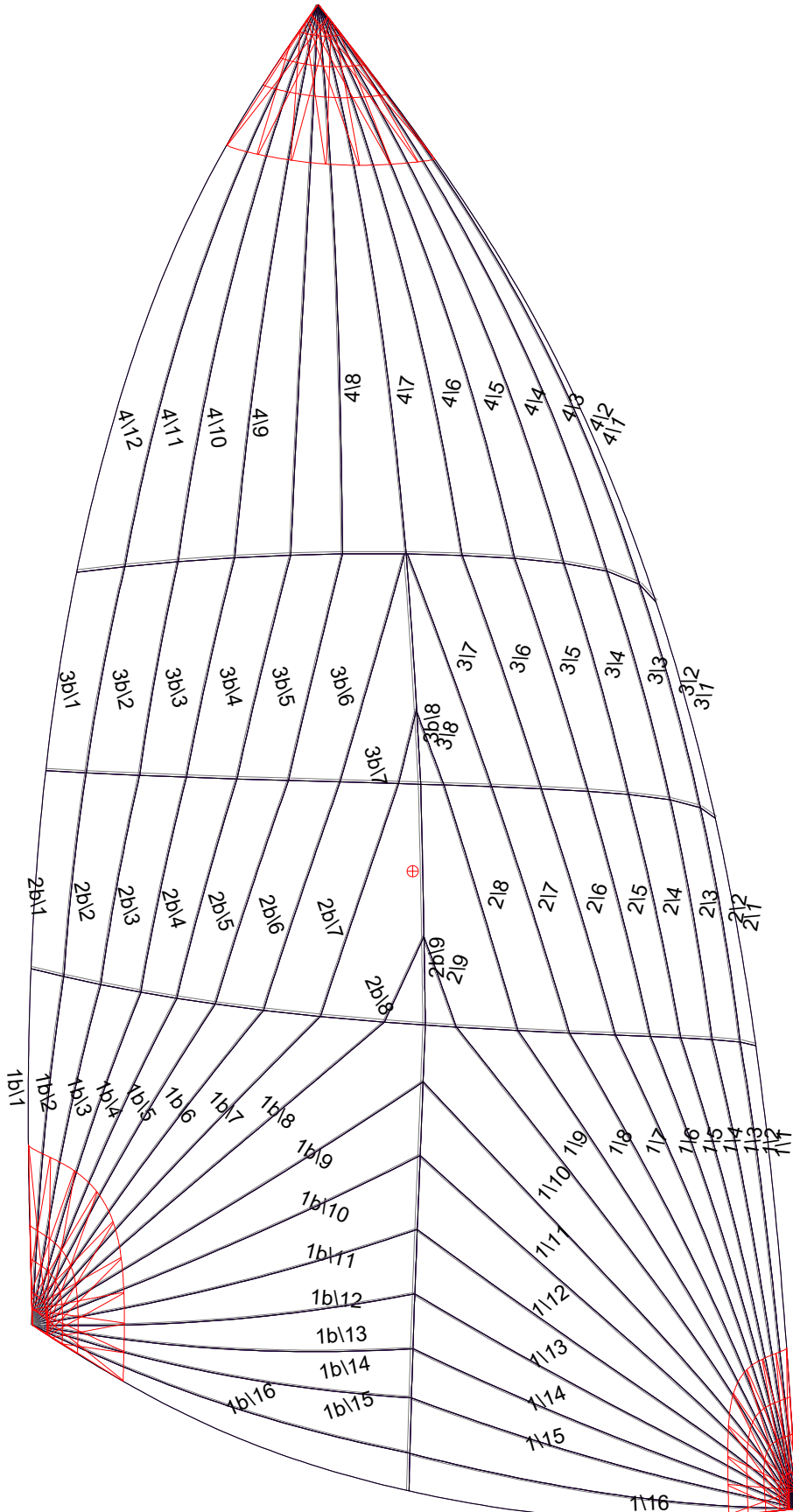
15.500m,	0.000m
11.625m,	0.000m
7.750m,	0.000m
3.875m,	0.000m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.394m])

100% (16.614m) :	0.000m	0.000m
88% (14.667m) :	-0.069m	-0.346m
77% (12.826m) :	-0.135m	-0.859m
67% (11.099m) :	-0.183m	0.752m
57% (9.445m) :	-0.206m	1.450m
47% (7.833m) :	-0.210m	1.570m
38% (6.247m) :	-0.194m	1.488m
28% (4.677m) :	-0.163m	1.275m
19% (3.115m) :	-0.116m	0.942m
9% (1.557m) :	-0.059m	0.506m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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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	24.37
Radial/Vertical	291.94
Bi-Radial Split	10.20

Materials

Material	Area (m ²)	Panels
Material 1	107.36	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 1\16,1b\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