

Asymmetric: 8000120 Manuel-3 asy spiV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000120 Manuel m

Initial Design Date: 20/6/2024
Boat:

Comments:

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU):	15.210m	
Leech length (SLE):	13.140m	
Foot length (SFL):	8.680m	
Headboard Width:	0.020m	
Three-quarter width:	5.207m	Closest Pt: 3.968m
Half width (SHW):	8.647m	Closest Pt: 7.655m
Quarter width:	9.537m	Closest Pt: 9.589m
ORC Area:	102.217m ²	
IRC Area:	101.808m ²	
Surface Area:	107.132m ²	
Hoist height:	14.170m	
J:	4.970m	

Luff Curve

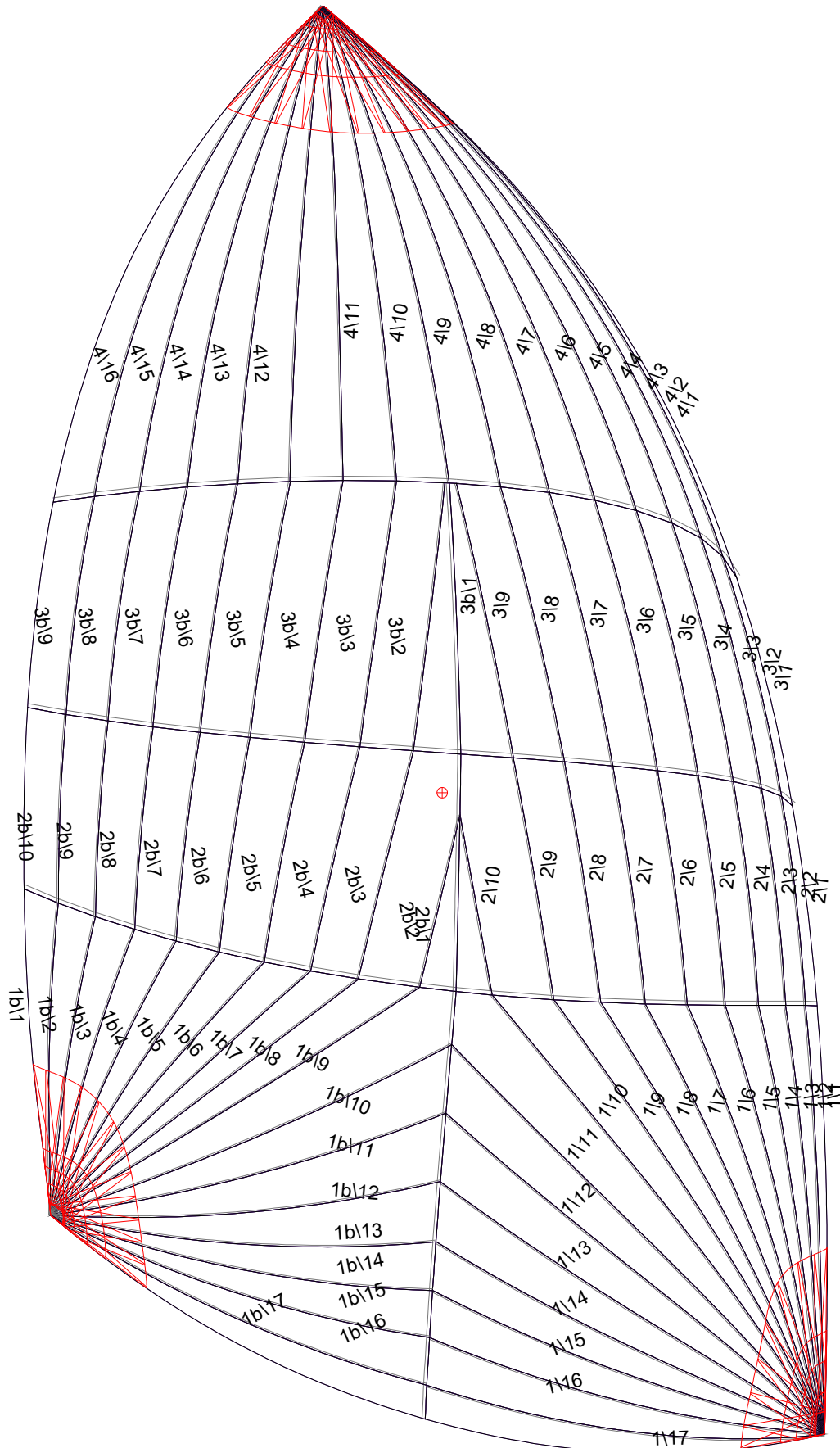
15.500m,	0.000m
11.625m,	0.000m
7.750m,	0.000m
3.875m,	0.000m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.372m])

100% (15.207m) :	0.000m	0.000m
87% (13.166m) :	-0.019m	-0.633m
75% (11.384m) :	-0.062m	-1.321m
64% (9.800m) :	-0.105m	-1.818m
55% (8.324m) :	-0.131m	-0.439m
45% (6.902m) :	-0.140m	0.140m
36% (5.507m) :	-0.134m	0.401m
27% (4.127m) :	-0.114m	0.490m
18% (2.751m) :	-0.080m	0.433m
9% (1.376m) :	-0.038m	0.256m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.030m	0.016m	0.040m
Zone: 1/b	0.030m	0.016m	0.040m
Zone: 2/a	0.030m	0.016m	0.040m
Zone: 2/b	0.030m	0.016m	0.040m
Zone: 3/a	0.030m	0.016m	0.040m
Zone: 3/b	0.030m	0.016m	0.040m
Zone: 4	0.030m	0.016m	0.040m

Edge Excesses

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

Total Seam Lengths (m)

Horizontal	27.03
Radial/Vertical	317.94
Bi-Radial Split	9.73

Materials

Material	Area (m ²)	Panels
Material 1	107.11	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\16,1\17,1b\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\16,1b\17,2\1 2\2,2\3,2\4,2\5,2\6 2\7,2\8,2\9,2\10,2b\1 2b\2,2b\3,2b\4,2b\5,2b\6 2b\7,2b\8,2b\9,2b\10,3\1 3\2,3\3,3\4,3\5,3\6 3\7,3\8,3\9,3b\1,3b\2 3b\3,3b\4,3b\5,3b\6,3b\7 3b\8,3b\9,4\1,4\2,4\3 4\4,4\5,4\6,4\7,4\8 4\9,4\10,4\11,4\12,4\13 4\14,4\15,4\16