# Asymmetric: 5001103 Head-2 asy.des

Design Info
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Design File:
D:\dropbox\Dropbox\Fareast Sails\2021\5001103 Peter\5001103 Head-2 asy.des

Comments:

Initial Design Date: 13/11/2021
Boat:

Client:

Design Data
==========

Asymmetric

Measurements

| | | | |
|---|---|---|---|
| Luff length (SLU): | 12.900m | | |
| Leech length (SLE): | 11.758m | | |
| Foot length (SFL): | 7.385m | | |
| Headboard Width: | 0.010m | | |
| Three-quarter width: | 3.196m | Closest Pt: | 2.881m |
| Half width (SHW): | 5.776m | Closest Pt: | 5.377m |
| Quarter width: | 6.955m | Closest Pt: | 6.843m |
| ORC Area: | 62.650m? | | |
| IRC Area: | 62.399m? | | |
| Surface Area: | 65.488m? | | |
| Hoist height: | 12.460m | | |
| J: | 4.230m | | |

Luff Curve

| | |
|---|---|
| 10.349m, | 0.000m |
| 7.762m, | 0.000m |
| 5.175m, | 0.000m |
| 2.587m, | 0.000m |
| 0.000m, | 0.000m |

| Fanned Luff (@ 5.00% [0.312m]) | | Before BSeam |
|---|---|---|
| 100% (12.806m) : | 0.000m | 0.000m |
| 88% (11.320m) : | -0.170m | 0.401m |
| 77% (9.886m) : | -0.329m | 0.758m |
| 67% (8.523m) : | -0.468m | 1.018m |
| 57% (7.244m) : | -0.577m | 1.132m |
| 47% (6.023m) : | -0.648m | 1.126m |
| 38% (4.826m) : | -0.672m | 1.016m |
| 28% (3.634m) : | -0.635m | 0.818m |
| 19% (2.437m) : | -0.511m | 0.568m |
| 10% (1.225m) : | -0.284m | 0.299m |
| 0% (0.000m) : | 0.000m | 0.000m |

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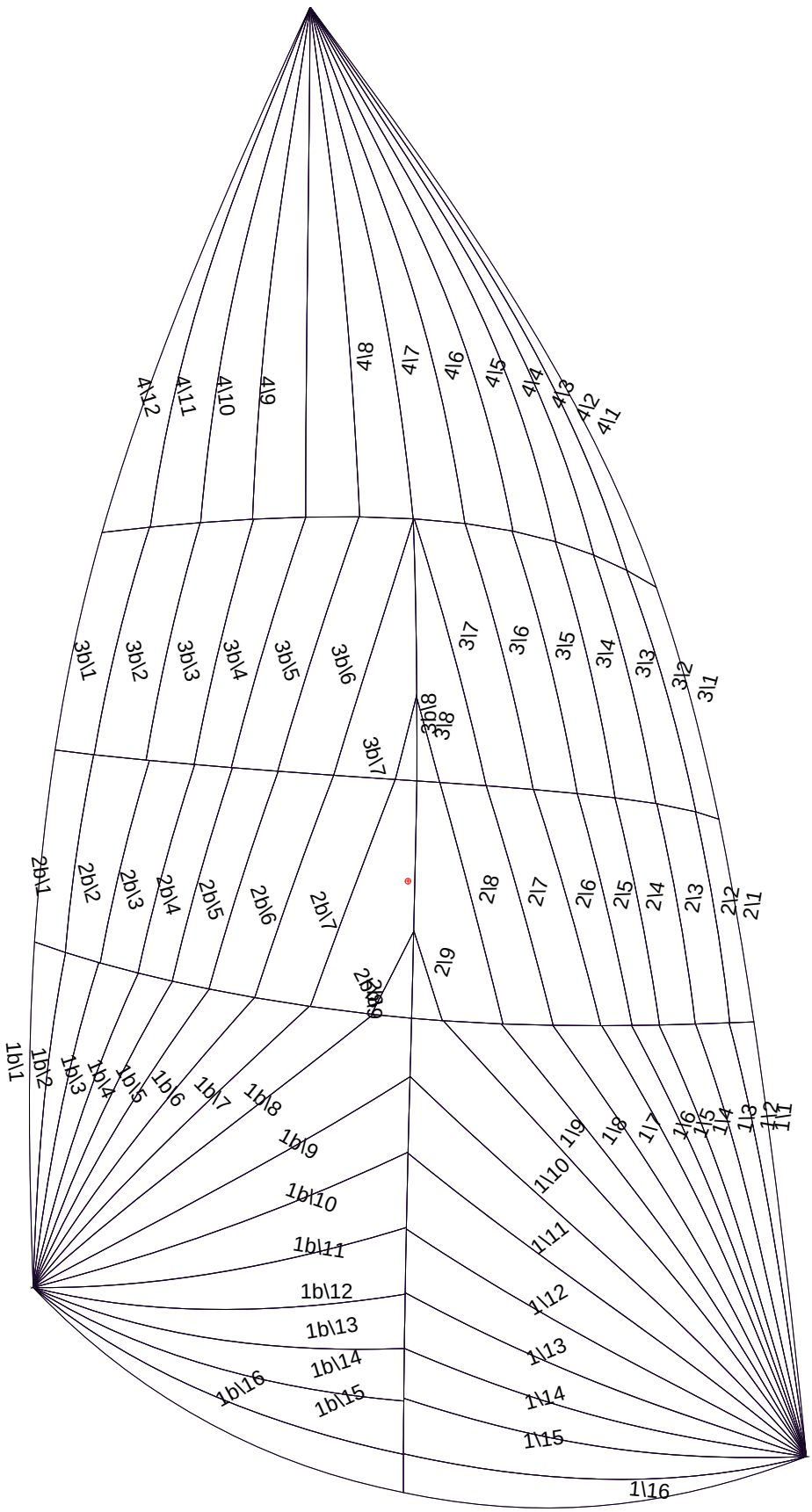


Seam Allowances

| | Split | Radial | Cross |
|---|---|---|---|
| Zone: 1/a | 0.020m | 0.020m | 0.020m |
| Zone: 1/b | 0.020m | 0.020m | 0.020m |
| Zone: 2/a | 0.020m | 0.020m | 0.020m |
| Zone: 2/b | 0.020m | 0.020m | 0.020m |
| Zone: 3/a | 0.020m | 0.020m | 0.020m |
| Zone: 3/b | 0.020m | 0.020m | 0.020m |
| Zone: 4 | 0.020m | 0.020m | 0.020m |

Edge Excesses

| | Luff | Leech | Foot |
|---|---|---|---|
| Sail: | 0.000m | 0.000m | 0.000m |

Total Seam Lengths (m)

| | |
|---|---|
| Horizontal | 18.44 |
| Radial/Vertical | 235.53 |
| Bi-Radial Split | 8.58 |

Materials

| Material | Area (m? | Panels |
|---|---|---|
| Material 1 | 65.32 | 1\1,1\2,1\3,1\4,1\5<br>1\6,1\7,1\8,1\9,1\10<br>1\11,1\12,1\13,1\14,1\15<br>1\16,1b\1,1b\2,1b\3,1b\4<br>1b\5,1b\6,1b\7,1b\8,1b\9<br>1b\10,1b\11,1b\12,1b\13,1b\14<br>1b\15,1b\16,2\1,2\2,2\3<br>2\4,2\5,2\6,2\7,2\8<br>2\9,2b\9,2b\8,2b\7,2b\6<br>2b\5,2b\4,2b\3,2b\2,2b\1<br>3\1,3\2,3\3,3\4,3\5<br>3\6,3\7,3\8,3b\8,3b\7<br>3b\6,3b\5,3b\4,3b\3,3b\2<br>3b\1,4\1,4\2,4\3,4\4<br>4\5,4\6,4\7,4\8,4\9<br>4\10,4\11,4\12 |