

Asymmetric: 7000702 Thomas-1 Asy spin.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000702 Thomas\700

Initial Design Date: 7/7/2023
Boat:

Comments:

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU): 12.480m
 Leech length (SLE): 10.731m
 Foot length (SFL): 7.180m
 Headboard Width: 0.005m
 Three-quarter width: 4.017m
 Half width (SHW): 6.707m
 Quarter width: 7.503m
 ORC Area: 65.778m?
 IRC Area: 65.515m?
 Surface Area: 68.259m?
 Hoist height: 12.250m
 J: 4.100m

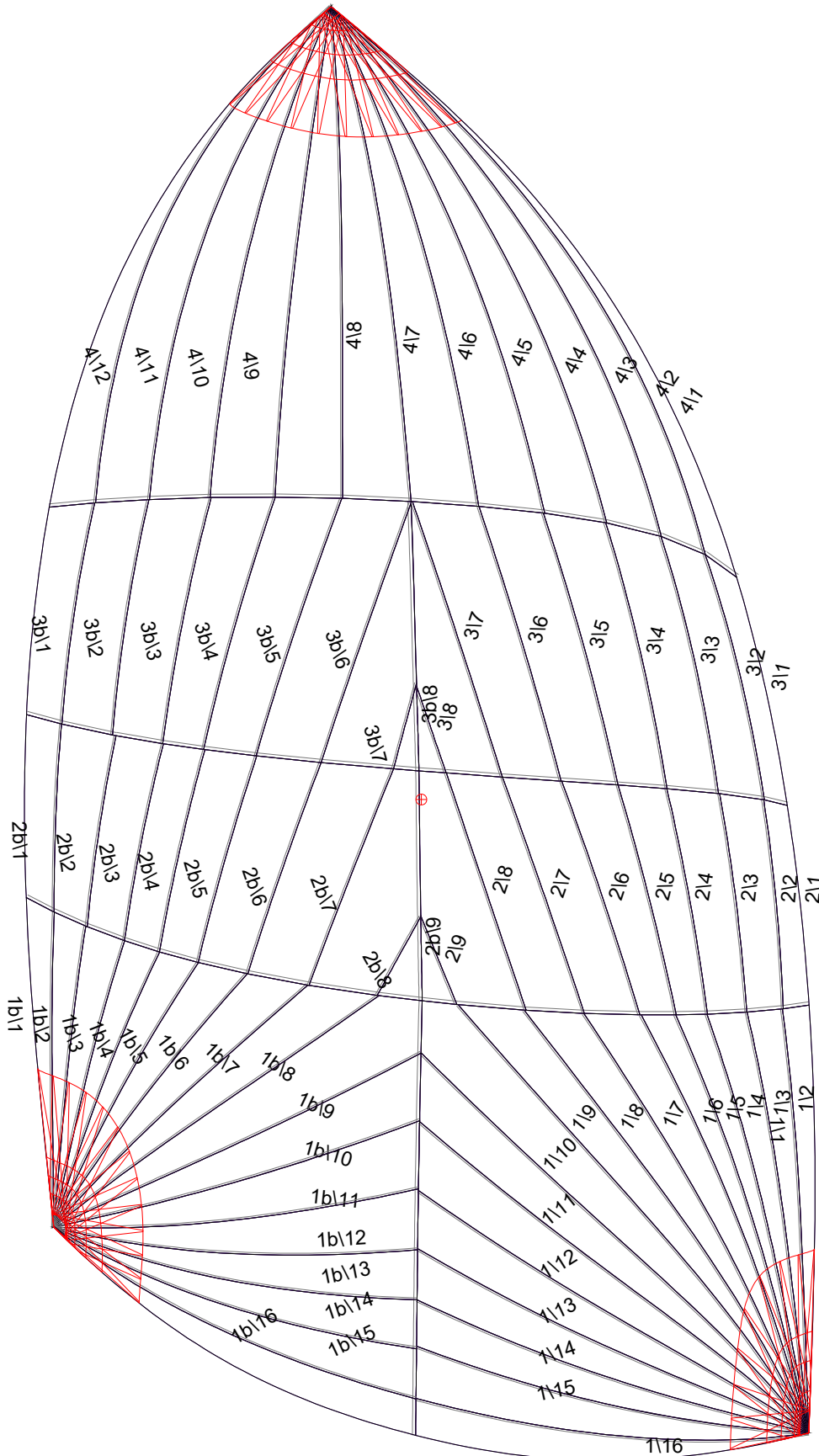
Closest Pt: 3.252m
 Closest Pt: 6.062m
 Closest Pt: 7.410m

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% [0.293m]) | | Before BSeam |
|--------------------------------|---------|--------------|
| 100% (12.426m) : | 0.000m | 0.000m |
| 86% (10.716m) : | -0.163m | 1.402m |
| 74% (9.256m) : | -0.344m | 2.041m |
| 64% (7.978m) : | -0.476m | 2.242m |
| 55% (6.793m) : | -0.532m | 2.268m |
| 45% (5.650m) : | -0.527m | 2.140m |
| 36% (4.523m) : | -0.473m | 1.883m |
| 27% (3.398m) : | -0.380m | 1.517m |
| 18% (2.271m) : | -0.259m | 1.065m |
| 9% (1.137m) : | -0.126m | 0.550m |
| 0% (0.000m) : | 0.000m | 0.000m |

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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 | 21.06 |
| Radial/Vertical | 221.75 |
| Bi-Radial Split | 7.76 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|--|
| Material 1 | 68.22 | 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 |