

Genoa: 7000123 Amit -2 Beneteau Oceanis 54 Genoa.des

Design Info
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Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000123 Ar

Initial Design Date: 8/2/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

| | |
|----------------------------|----------|
| Luff geodesic: | 18.850m |
| Leech geodesic: | 17.850m |
| Foot geodesic: | 9.170m |
| Headboard width: | 0.035m |
| Luff perpendicular (HLP): | 8.709m |
| Upper width (HUW): | 0.907m |
| Three-quarter width (HTW): | 1.864m |
| Half width (HHW): | 4.027m |
| Quarter width (HQW): | 6.388m |
| Foot median: | 18.132m |
| ORC Headsail area: | 78.751m? |
| IRC Headsail area: | 78.231m? |
| Surface area: | 79.694m? |
| Forestay height: | 18.900m |
| J: | 6.220m |

Luff Curve

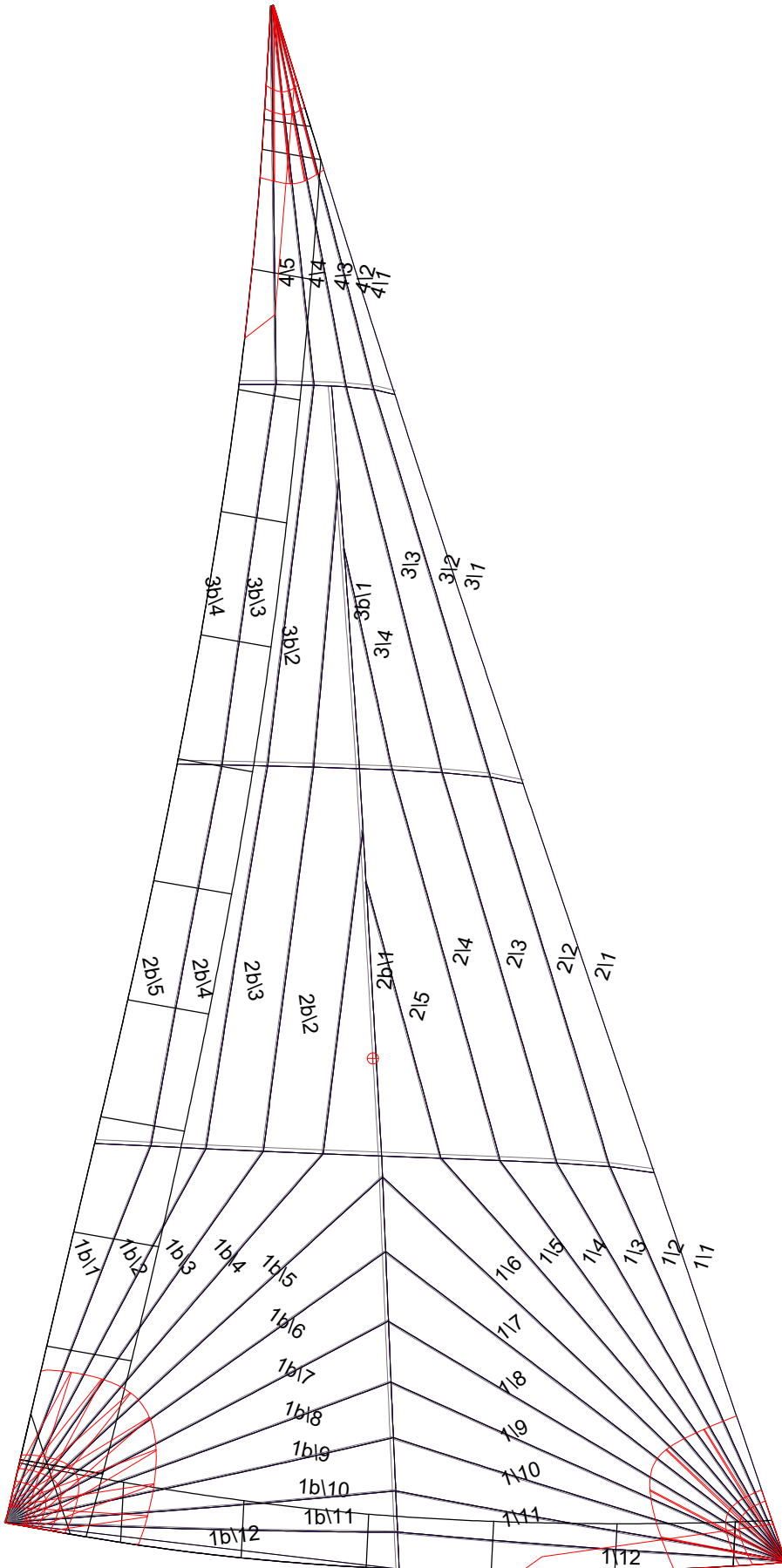
| | |
|----------|--------|
| 18.846m, | 0.000m |
| 17.280m, | 0.064m |
| 15.548m, | 0.116m |
| 14.024m, | 0.142m |
| 12.251m, | 0.152m |
| 9.379m, | 0.134m |
| 6.125m, | 0.091m |
| 3.186m, | 0.045m |
| 0.000m, | 0.000m |

Fanned Luff (@ 5.00% [0.449m])

| | | |
|------------------|---------|---------|
| 100% (18.847m) : | 0.000m | -0.000m |
| 90% (16.961m) : | -0.068m | -0.001m |
| 80% (15.080m) : | -0.118m | 0.007m |
| 70% (13.194m) : | -0.143m | 0.029m |
| 60% (11.309m) : | -0.145m | 0.059m |
| 50% (9.424m) : | -0.132m | 0.089m |
| 40% (7.539m) : | -0.109m | 0.114m |
| 30% (5.654m) : | -0.082m | 0.128m |
| 20% (3.770m) : | -0.054m | 0.118m |
| 10% (1.884m) : | -0.027m | 0.072m |
| 0% (0.000m) : | -0.000m | 0.000m |

Before BSeam

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Seam Allowances

| | Split | Radial | Cross |
|-----------|--------|--------|--------|
| Zone: 1/a | 0.038m | 0.015m | 0.045m |
| Zone: 1/b | 0.038m | 0.015m | 0.045m |
| Zone: 2/a | 0.038m | 0.015m | 0.045m |
| Zone: 2/b | 0.038m | 0.015m | 0.045m |
| Zone: 3/a | 0.038m | 0.015m | 0.045m |
| Zone: 3/b | 0.038m | 0.015m | 0.045m |
| Zone: 4 | 0.038m | 0.015m | 0.045m |
| Cover 1 | 0.025m | 0.025m | 0.025m |
| Cover 2 | 0.025m | 0.025m | 0.025m |
| Cover 3 | 0.000m | 0.000m | 0.000m |
| Cover 4 | 0.000m | 0.000m | 0.000m |

Edge Excesses

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

Total Seam Lengths (m)

| | |
|-----------------|--------|
| Horizontal | 13.02 |
| Radial/Vertical | 192.88 |
| Bi-Radial Split | 14.11 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|--|
| Material 1 | 84.02 | 1\1, 1\2, 1\3, 1\4, 1\5 1\6, 1\7, 1\8, 1\9, 1\10 1\11, 1\12, 1b\1, 1b\2, 1b\3 1b\4, 1b\5, 1b\6, 1b\7, 1b\8 1b\9, 1b\10, 1b\11, 1b\12, 2\1 2\2, 2\3, 2\4, 2\5, 2b\1 2b\2, 2b\3, 2b\4, 2b\5, 3\1 3\2, 3\3, 3\4, 3b\1, 3b\2 3b\3, 3b\4, 4\1, 4\2, 4\3 4\4, 4\5 |