

Genoa: 8000435 Daniel-2 BENETEAU OC 37 furlgen.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000435 Daniel B

Initial Design Date: 8/5/2024
Boat:
BENETEAU OCEANIS 37
Client:

Comments:

Design Data
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Genoa

Measurements

| | |
|----------------------------|----------|
| Luff geodesic: | 13.761m |
| Leech geodesic: | 12.844m |
| Foot geodesic: | 5.115m |
| Headboard width: | 0.035m |
| Luff perpendicular (HLP): | 4.798m |
| Upper width (HUW): | 0.529m |
| Three-quarter width (HTW): | 1.048m |
| Half width (HHW): | 2.192m |
| Quarter width (HQW): | 3.458m |
| Foot median: | 13.198m |
| ORC Headsail area: | 31.508m? |
| IRC Headsail area: | 31.432m? |
| Surface area: | 31.589m? |
| Forestay height: | 13.970m |
| J: | 4.570m |

Draft Stripes

1, Luff: 4.557m ; Leech: 4.053m ;
2, Luff: 9.109m ; Leech: 8.368m ;

Luff Curve

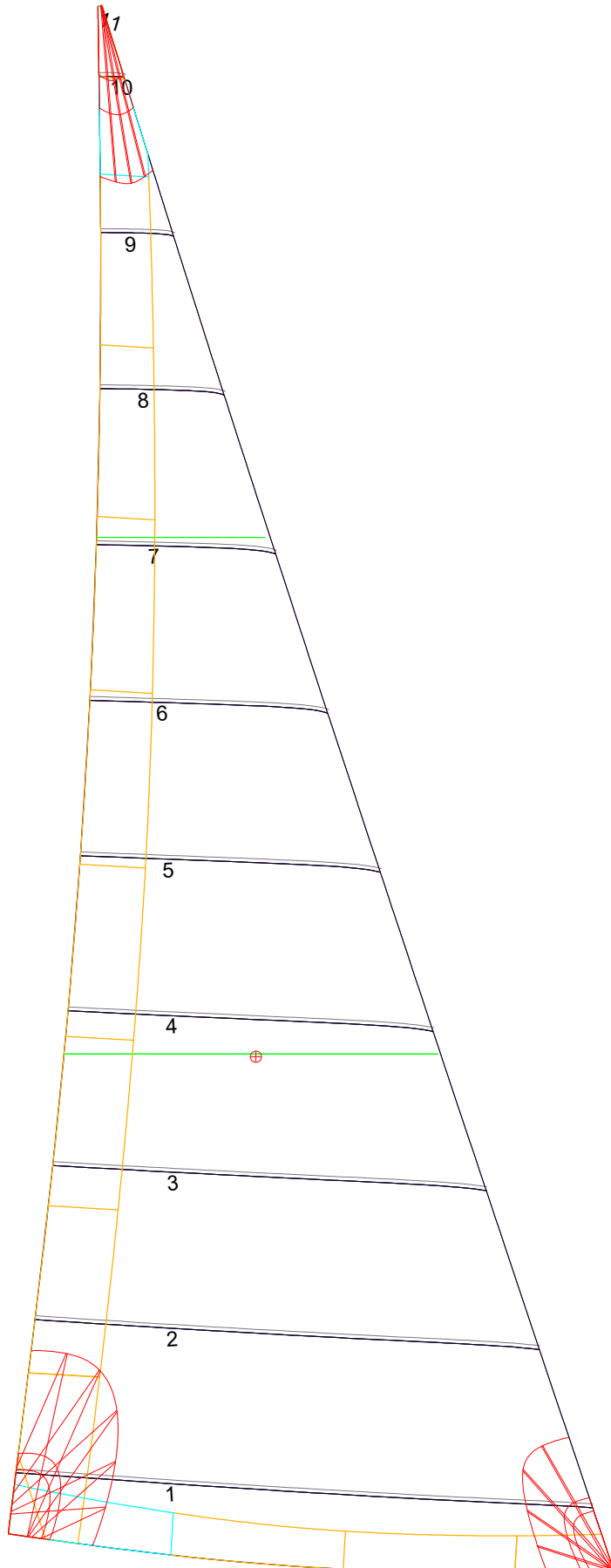
| | |
|----------|--------|
| 13.759m, | 0.000m |
| 12.616m, | 0.035m |
| 11.352m, | 0.063m |
| 10.238m, | 0.077m |
| 8.944m, | 0.083m |
| 6.847m, | 0.072m |
| 4.472m, | 0.049m |
| 2.326m, | 0.025m |
| 0.000m, | 0.000m |

Fanned Luff (@ 5.00% [0.253m])

| | | |
|------------------|---------|---------|
| 100% (13.760m) : | -0.000m | -0.000m |
| 90% (12.383m) : | -0.035m | -0.003m |
| 80% (11.009m) : | -0.062m | -0.001m |
| 70% (9.632m) : | -0.076m | 0.007m |
| 60% (8.256m) : | -0.079m | 0.018m |
| 50% (6.880m) : | -0.074m | 0.028m |
| 40% (5.504m) : | -0.063m | 0.035m |
| 30% (4.128m) : | -0.050m | 0.036m |
| 20% (2.752m) : | -0.034m | 0.032m |
| 10% (1.375m) : | -0.018m | 0.021m |
| 0% (0.000m) : | 0.000m | 0.000m |

Before BSeam

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Seam Allowances

| Zone: | Split | Radial | Cross |
|---------|--------|--------|--------|
| Zone: 1 | 0.000m | 0.000m | 0.032m |
| 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

| Sail: | Luff | Leech | Foot |
|---------|--------|--------|--------|
| Sail: | 0.000m | 0.000m | 0.000m |
| Cover 0 | 0.070m | 0.100m | 0.070m |
| Cover 1 | 0.070m | 0.070m | 0.100m |
| Cover 2 | 0.000m | 0.070m | 0.070m |
| Cover 3 | 0.000m | 0.070m | 0.070m |

Total Seam Lengths (m)

| | |
|-----------------|-------|
| Horizontal | 24.46 |
| Radial/Vertical | 0.00 |
| Bi-Radial Split | 0.00 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|-------------------------------|
| Material 1 | 31.67 | 1,2,3,4,5 6,7,8,9,10 11 |