

Genoa: 7001107 Niels Grand Soliel 52 JibV2.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001107 Niels\7001

Initial Design Date: 12/12/2023
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

| | |
|----------------------------|----------|
| Luff geodesic: | 20.220m |
| Leech geodesic: | 18.778m |
| Foot geodesic: | 6.863m |
| Headboard width: | 0.055m |
| Luff perpendicular (HLP): | 6.400m |
| Upper width (HUW): | 0.701m |
| Three-quarter width (HTW): | 1.382m |
| Half width (HHW): | 2.898m |
| Quarter width (HQW): | 4.592m |
| Foot median: | 19.363m |
| ORC Headsail area: | 61.488m? |
| IRC Headsail area: | 61.336m? |
| Surface area: | 61.504m? |
| Forestay height: | 21.350m |
| J: | 6.400m |

Draft Stripes

1, Luff: 5.071m ; Leech: 4.210m ;
2, Luff: 10.141m ; Leech: 9.064m ;
3, Luff: 15.197m ; Leech: 13.892m ;

Luff Curve

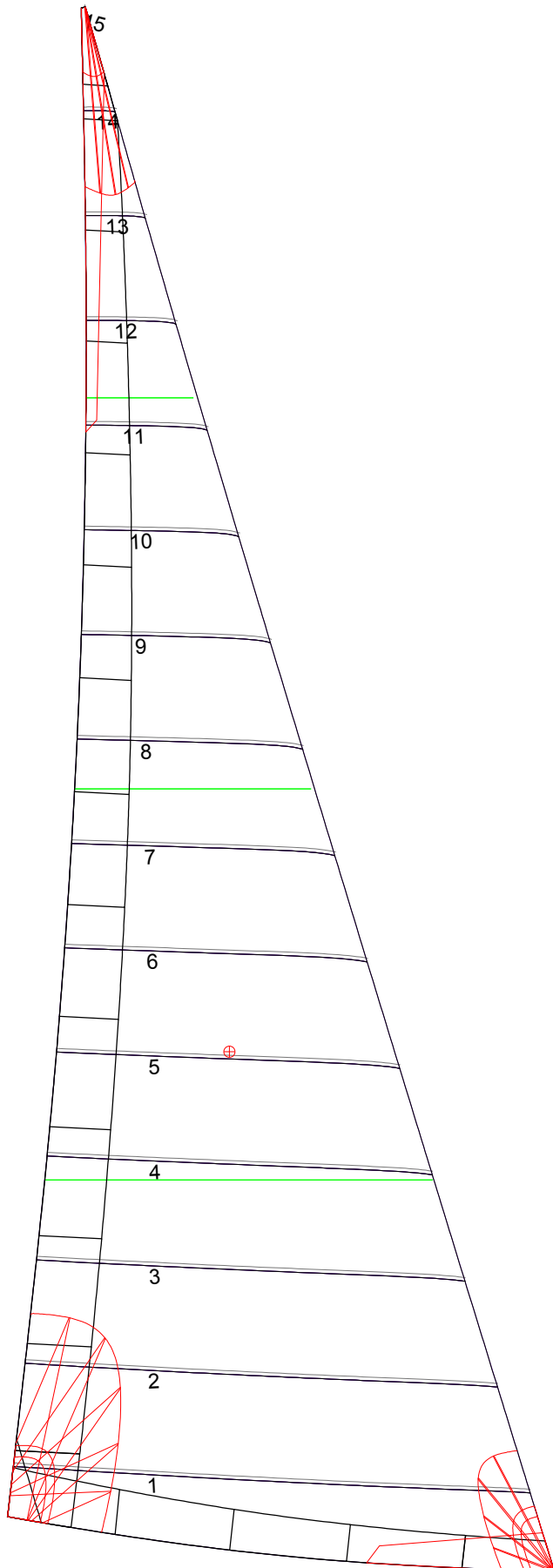
| | |
|----------|--------|
| 20.218m, | 0.000m |
| 18.538m, | 0.050m |
| 16.680m, | 0.090m |
| 15.044m, | 0.111m |
| 13.142m, | 0.119m |
| 10.061m, | 0.104m |
| 6.571m, | 0.071m |
| 3.417m, | 0.035m |
| 0.000m, | 0.000m |

Fanned Luff (@ 5.00% [0.338m])

| | | |
|------------------|---------|---------|
| 100% (20.218m) : | 0.000m | -0.000m |
| 90% (18.196m) : | -0.052m | -0.008m |
| 80% (16.176m) : | -0.091m | -0.007m |
| 70% (14.153m) : | -0.111m | 0.002m |
| 60% (12.131m) : | -0.116m | 0.017m |
| 50% (10.109m) : | -0.108m | 0.032m |
| 40% (8.088m) : | -0.091m | 0.042m |
| 30% (6.065m) : | -0.071m | 0.044m |
| 20% (4.044m) : | -0.049m | 0.040m |
| 10% (2.021m) : | -0.026m | 0.027m |
| 0% (0.000m) : | 0.000m | 0.000m |

Before BSeam

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Seam Allowances

| Zone: | Split | Radial | Cross |
|---------|--------|--------|--------|
| Zone: 1 | 0.045m | 0.045m | 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

| 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 | 46.13 |
| Radial/Vertical | 0.00 |
| Bi-Radial Split | 0.00 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|---|
| Material 1 | 61.66 | 1,2,3,4,5 6,7,8,9,10 11,12,13,14,15 |