

Genoa: 8000211 Kjetil-2 Sundwind 27 furlgen.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000211 Kjetil Sur

Initial Design Date: 19/2/2024
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

| | |
|----------------------------|----------|
| Luff geodesic: | 7.880m |
| Leech geodesic: | 7.300m |
| Foot geodesic: | 4.200m |
| Headboard width: | 0.035m |
| Luff perpendicular (HLP): | 3.882m |
| Upper width (HUW): | 0.455m |
| Three-quarter width (HTW): | 0.894m |
| Half width (HHW): | 1.834m |
| Quarter width (HQW): | 2.841m |
| Foot median: | 7.431m |
| ORC Headsail area: | 14.872m? |
| IRC Headsail area: | 14.837m? |
| Surface area: | 15.010m? |
| Forestay height: | 8.670m |
| J: | 2.750m |

Draft Stripes

- 1, Luff: 2.612m ; Leech: 2.109m ;
- 2, Luff: 5.220m ; Leech: 4.660m ;

Luff Curve

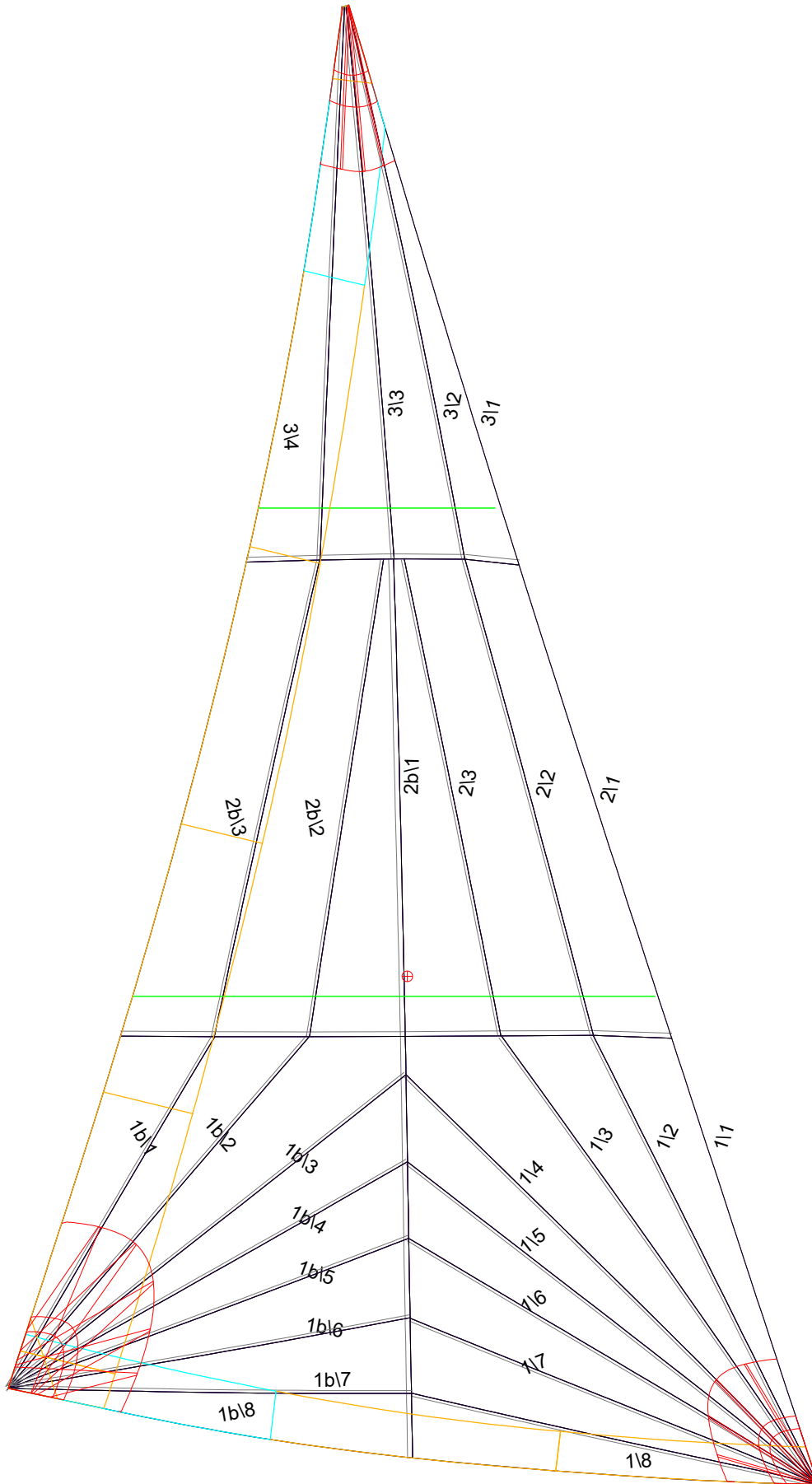
| | |
|---------|--------|
| 7.878m, | 0.000m |
| 7.224m, | 0.027m |
| 6.500m, | 0.048m |
| 5.862m, | 0.059m |
| 5.121m, | 0.064m |
| 3.921m, | 0.056m |
| 2.560m, | 0.038m |
| 1.332m, | 0.019m |
| 0.000m, | 0.000m |

Fanned Luff (@ 5.00% [0.206m])

| | | |
|-----------------|---------|--------|
| 100% (7.879m) : | 0.000m | 0.000m |
| 90% (7.091m) : | -0.030m | 0.006m |
| 80% (6.304m) : | -0.052m | 0.014m |
| 70% (5.515m) : | -0.063m | 0.022m |
| 60% (4.728m) : | -0.065m | 0.030m |
| 50% (3.940m) : | -0.060m | 0.036m |
| 40% (3.152m) : | -0.050m | 0.038m |
| 30% (2.364m) : | -0.038m | 0.036m |
| 20% (1.576m) : | -0.026m | 0.029m |
| 10% (0.787m) : | -0.013m | 0.017m |
| 0% (0.000m) : | 0.000m | 0.000m |

Before BSeam

Genoa: 8000211 Kjetil-2 Sundwind 27 furlgen.des



Seam Allowances

| | 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 | 0.025m | 0.015m | 0.025m |
| 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 | 0.100m | 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 | 4.43 |
| Radial/Vertical | 52.59 |
| Bi-Radial Split | 4.72 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|---|
| Material 1 | 15.02 | 1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,2\1,2\2,2\3,2b\1 2b\2,2b\3,3\1,3\2,3\3 3\4 |