# Genoa: 4000202 Andreas carbon sail

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2020\4000202 Andreas carbon sail\4000202 Andreas ca

Initial Design Date: 19/10/2015
Boat:
Hanse 470
Client:

Comments:
I=19m, J=5.3m,
luff 19.3m , leech 18.42m, foot 4.33m, area 38m2.
seam width 80mm
Tack height off deck 44cm
clew height off deck 53cm

Design Data
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Genoa

Measurements

| | |
|---|---|
| Luff geodesic: | 19.300m |
| Leech geodesic: | 18.420m |
| Foot geodesic: | 4.330m |
| Headboard width: | 0.060m |
| Luff perpendicular (HLP): | 4.141m |
| Upper width (HUW): | 0.456m |
| Three-quarter width (HTW): | 0.875m |
| Half width (HHW): | 1.858m |
| Quarter width (HQW): | 2.970m |
| Foot median: | 18.885m |
| ORC Headsail Area: | 37.796m? |
| IRC Headsail Area: | 37.690m? |
| Surface Area: | 37.951m? |

Luff Curve

| | |
|---|---|
| 19.299m, | 0.000m |
| 14.956m, | 0.083m |
| 10.614m, | 0.100m |
| 5.307m, | 0.062m |
| 0.000m, | 0.000m |

| Fanned Luff (@ 5.00% [0.: | Before | BSeam |
|---|---|---|
| 100% (19.299m) : | 0.000m | -0.000m |
| 90% (17.367m) : | -0.040m | -0.013m |
| 80% (15.440m) : | -0.076m | -0.022m |
| 70% (13.509m) : | -0.096m | -0.020m |
| 60% (11.580m) : | -0.102m | -0.009m |
| 50% (9.649m) : | -0.097m | 0.006m |
| 40% (7.720m) : | -0.085m | 0.021m |
| 30% (5.789m) : | -0.067m | 0.031m |
| 20% (3.860m) : | -0.046m | 0.037m |
| 10% (1.929m) : | -0.024m | 0.032m |
| 0% (0.000m) : | 0.000m | 0.000m |

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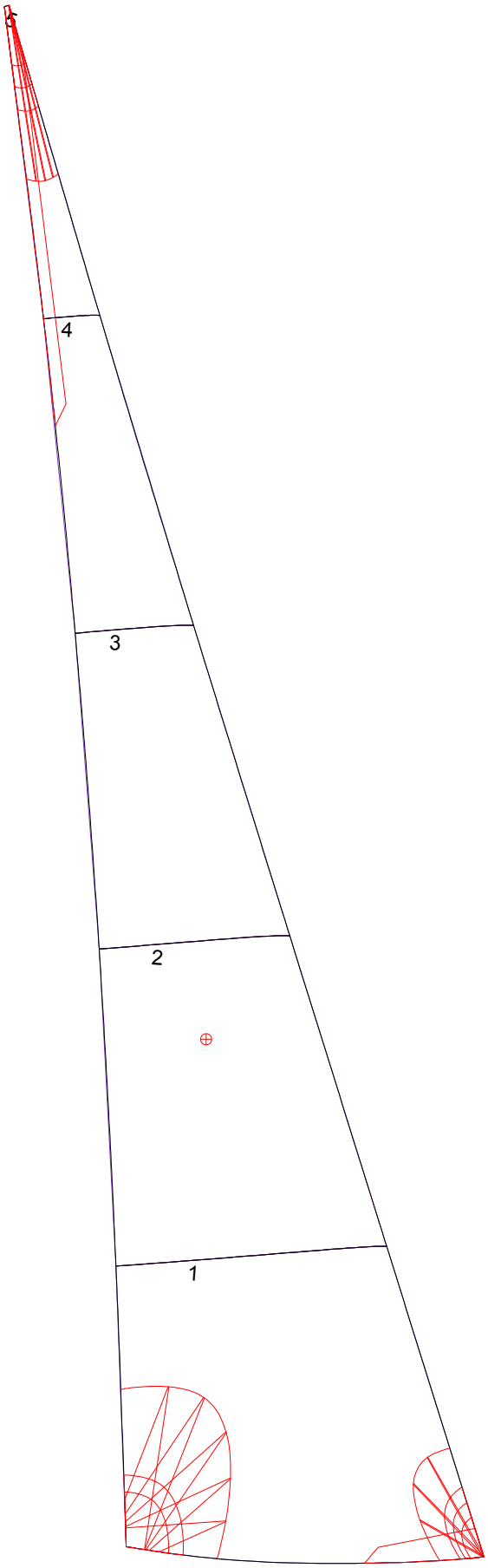



Seam Allowances

| | Split | Radial | Cross |
|---|---|---|---|
| Zone: 1 | 0.060m | 0.000m | 0.080m |

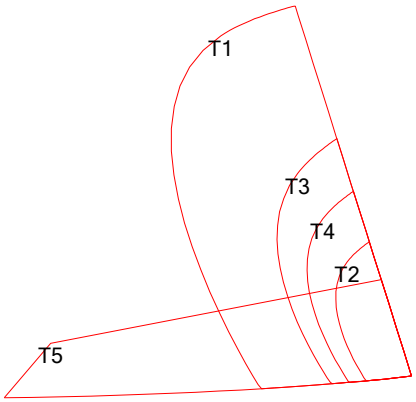
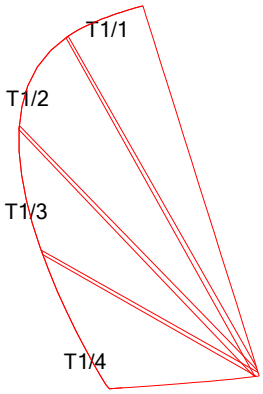
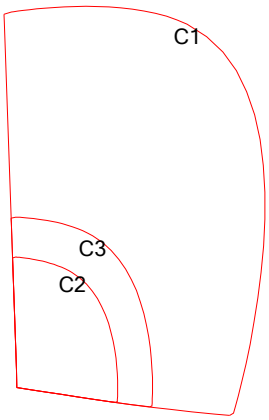
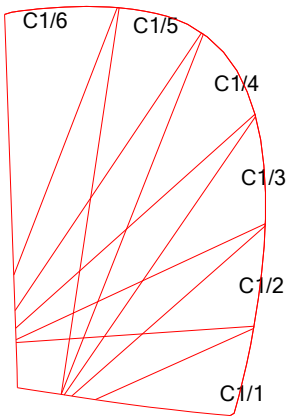
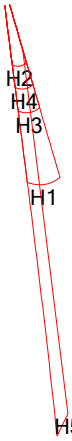
Edge Excesses

| | Luff | Leech | Foot |
|---|---|---|---|
| Sail: | 0.000m | 0.000m | 0.000m |

Total Seam Lengths (m)

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

Materials

| Material | Area (m? | Panels |
|---|---|---|
| Material 1 | 38.06 | 1,2,3,4,5 |

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