

Genoa: 7000530 Wolfgang-2 Open 28 HeadsailV1.des Fareast/Michael

Design Info

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Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000530 Wolfgang\70

Initial Design Date: 7/6/2023

Boat:

Open 28 Jib

Client:

Fareast/Michael

Comments:

LP=95%%

Design Data

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Genoa

Measurements

| | |
|----------------------------|----------|
| Luff geodesic: | 9.100m |
| Leech geodesic: | 8.263m |
| Foot geodesic: | 2.789m |
| Headboard width: | 0.030m |
| Luff perpendicular (HLP): | 2.517m |
| Upper width (HUW): | 0.281m |
| Three-quarter width (HTW): | 0.546m |
| Half width (HHW): | 1.139m |
| Quarter width (HQW): | 1.804m |
| Foot median: | 8.666m |
| ORC Headsail area: | 10.893m? |
| IRC Headsail area: | 10.865m? |
| Surface area: | 10.970m? |
| Forestay height: | 8.750m |
| J: | 2.650m |

Draft Stripes

1, Luff: 3.013m ; Leech: 2.408m ;
2, Luff: 6.022m ; Leech: 5.284m ;

Luff Curve

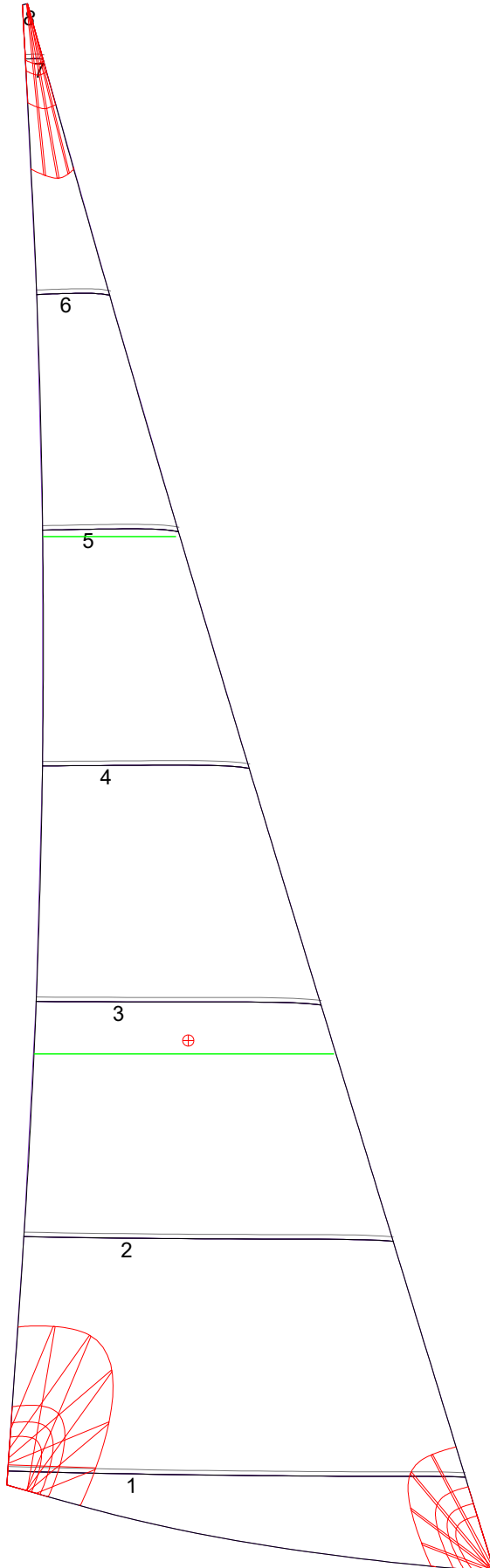
| | |
|---------|--------|
| 9.099m, | 0.000m |
| 8.343m, | 0.023m |
| 7.507m, | 0.041m |
| 6.771m, | 0.051m |
| 5.915m, | 0.055m |
| 4.528m, | 0.048m |
| 2.957m, | 0.033m |
| 1.538m, | 0.016m |
| 0.000m, | 0.000m |

Fanned Luff (@ 5.00% [0.135m])

| | | |
|-----------------|---------|---------|
| 100% (9.099m) : | 0.000m | -0.000m |
| 90% (8.189m) : | -0.026m | -0.004m |
| 80% (7.280m) : | -0.045m | -0.004m |
| 70% (6.370m) : | -0.054m | -0.001m |
| 60% (5.460m) : | -0.055m | 0.005m |
| 50% (4.550m) : | -0.050m | 0.011m |
| 40% (3.640m) : | -0.042m | 0.016m |
| 30% (2.730m) : | -0.032m | 0.017m |
| 20% (1.820m) : | -0.021m | 0.016m |
| 10% (0.909m) : | -0.011m | 0.011m |
| 0% (0.000m) : | 0.000m | 0.000m |

Before BSeam

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| Seam Allowances | | | |
|-----------------|--------|--------|--------|
| Zone: 1 | Split | Radial | Cross |
| | 0.025m | 0.025m | 0.025m |

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

Total Seam Lengths (m)

| | |
|-----------------|------|
| Horizontal | 8.99 |
| Radial/Vertical | 0.00 |
| Bi-Radial Split | 0.00 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|--------------------|
| Material 1 | 11.00 | 1,2,3,4,5 6,7,8 |