

Mainsail: 7000319 Brin mizzen.des

Design Info
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Design File:
\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000319 Brin\7000319 Brin m

Initial Design Date: 28/3/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

| | |
|----------------------------|---------|
| Luff geodesic: | 6.510m |
| Leech geodesic: | 6.879m |
| Foot geodesic: | 2.450m |
| Head geodesic: | 0.105m |
| Upper width (MUW): | 0.475m |
| Three-quarter width (MTW): | 0.864m |
| Half width (MHW): | 1.501m |
| Quarter width (MQW): | 2.019m |
| Foot median: | 6.632m |
| ORC Mainsail area: | 9.206m? |
| Surface area: | 9.347m? |
| Clew height: | 0.100m |
| Mast rake: | 0.000m |

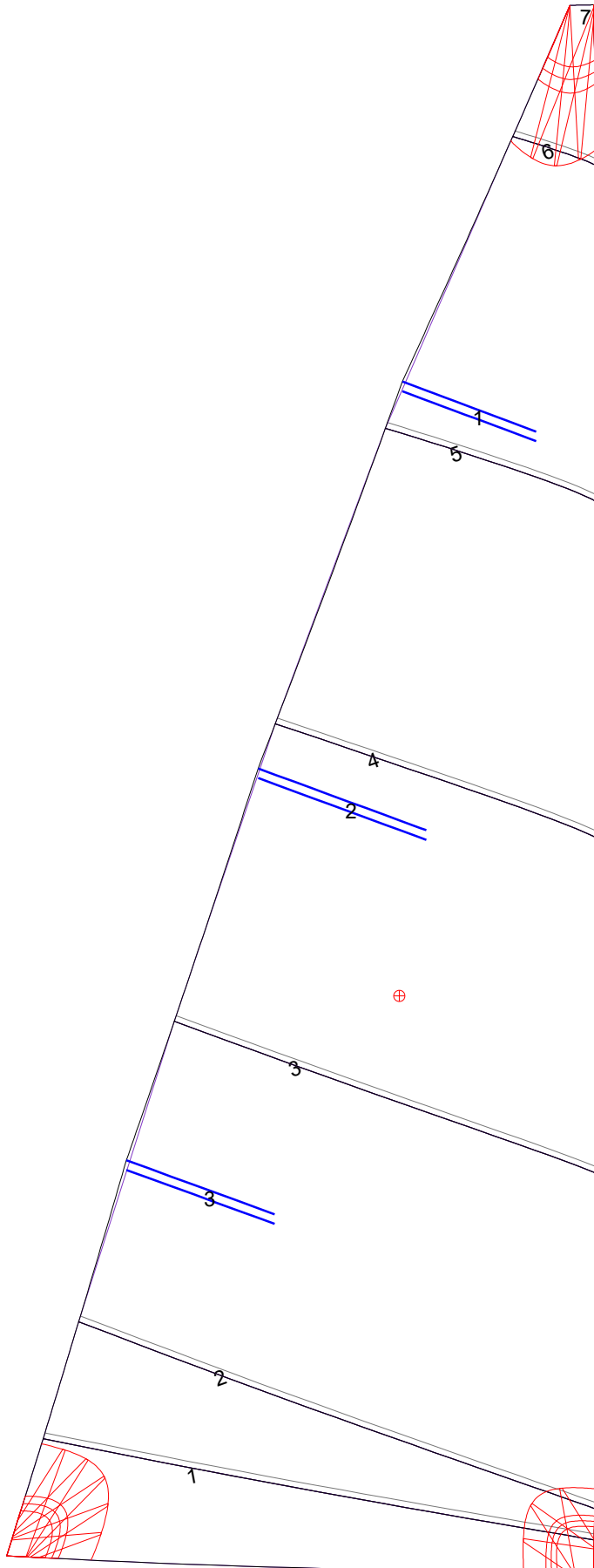
Battens

| Position | Length | Roach | Angle | Luff | Leech | Full |
|----------|--------|--------|---------|--------|--------|------|
| 75.000% | 0.600m | 0.143m | 90.000? | 4.637m | 5.141m | |
| 50.000% | 0.750m | 0.152m | 90.000? | 2.813m | 3.427m | |
| 25.000% | 0.660m | 0.099m | 90.000? | 0.996m | 1.714m | |

Luff Curve

| | | Fanned Luff (@ 5.00% [0.122m]) | Before BSeam |
|---------|---------|--------------------------------|----------------|
| 6.510m, | 0.000m | 100% (6.510m) : | 0.000m -0.000m |
| 5.699m, | -0.015m | 90% (5.859m) : | 0.008m 0.025m |
| 4.882m, | -0.026m | 80% (5.208m) : | 0.016m 0.050m |
| 4.064m, | -0.030m | 70% (4.557m) : | 0.020m 0.068m |
| 3.255m, | -0.031m | 60% (3.906m) : | 0.021m 0.077m |
| 2.426m, | -0.029m | 50% (3.255m) : | 0.021m 0.079m |
| 1.627m, | -0.023m | 40% (2.604m) : | 0.019m 0.072m |
| 0.811m, | -0.013m | 30% (1.953m) : | 0.016m 0.059m |
| 0.000m, | 0.000m | 20% (1.302m) : | 0.012m 0.041m |
| | | 10% (0.651m) : | 0.006m 0.020m |
| | | 0% (0.000m) : | 0.000m 0.000m |

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| Seam Allowances | | | |
|-----------------|--------|--------|--------|
| Zone: 1 | Split | Radial | Cross |
| | 0.000m | 0.000m | 0.025m |

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

Total Seam Lengths (m)

| | |
|-----------------|------|
| Horizontal | 9.49 |
| Radial/Vertical | 0.00 |
| Bi-Radial Split | 0.00 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|------------------|
| Material 1 | 9.33 | 1,2,3,4,5 6,7 |