

Mainsail: 7000627 Anthony MainsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000627 Anthony\7000627 AnthonyV1.des

Initial Design Date: 12/7/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

| | |
|----------------------------|----------|
| Luff geodesic: | 7.770m |
| Leech geodesic: | 8.277m |
| Foot geodesic: | 3.110m |
| Head geodesic: | 0.115m |
| Upper width (MUW): | 0.576m |
| Three-quarter width (MTW): | 1.041m |
| Half width (MHW): | 1.859m |
| Quarter width (MQW): | 2.528m |
| Foot median: | 7.936m |
| ORC Mainsail area: | 13.673m? |
| Surface area: | 13.904m? |
| Clew height: | 0.100m |
| Mast rake: | 0.000m |

Battens

| Position | Length | Roach | Angle | Luff | Leech | Full |
|----------|--------|--------|---------|--------|--------|------|
| 82.600% | 0.600m | 0.118m | 68.934? | 6.429m | 6.811m | |
| 62.000% | 0.800m | 0.164m | 68.934? | 4.843m | 5.112m | |
| 42.000% | 0.800m | 0.145m | 68.934? | 3.304m | 3.463m | |
| 21.500% | 0.800m | 0.084m | 68.934? | 1.727m | 1.773m | |

Reefing Points

1, Luff: 1.010m ; Leech: 1.067m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 2.564m ; Leech: 2.640m ;
2, Luff: 5.128m ; Leech: 5.375m ;

Luff Slides

- 1, Position: 0.578m
- 2, Position: 1.191m
- 3, Position: 1.804m
- 4, Position: 2.417m
- 5, Position: 3.031m
- 6, Position: 3.644m
- 7, Position: 4.257m
- 8, Position: 4.870m
- 9, Position: 5.484m
- 10, Position: 6.097m
- 11, Position: 6.710m
- 12, Position: 7.323m

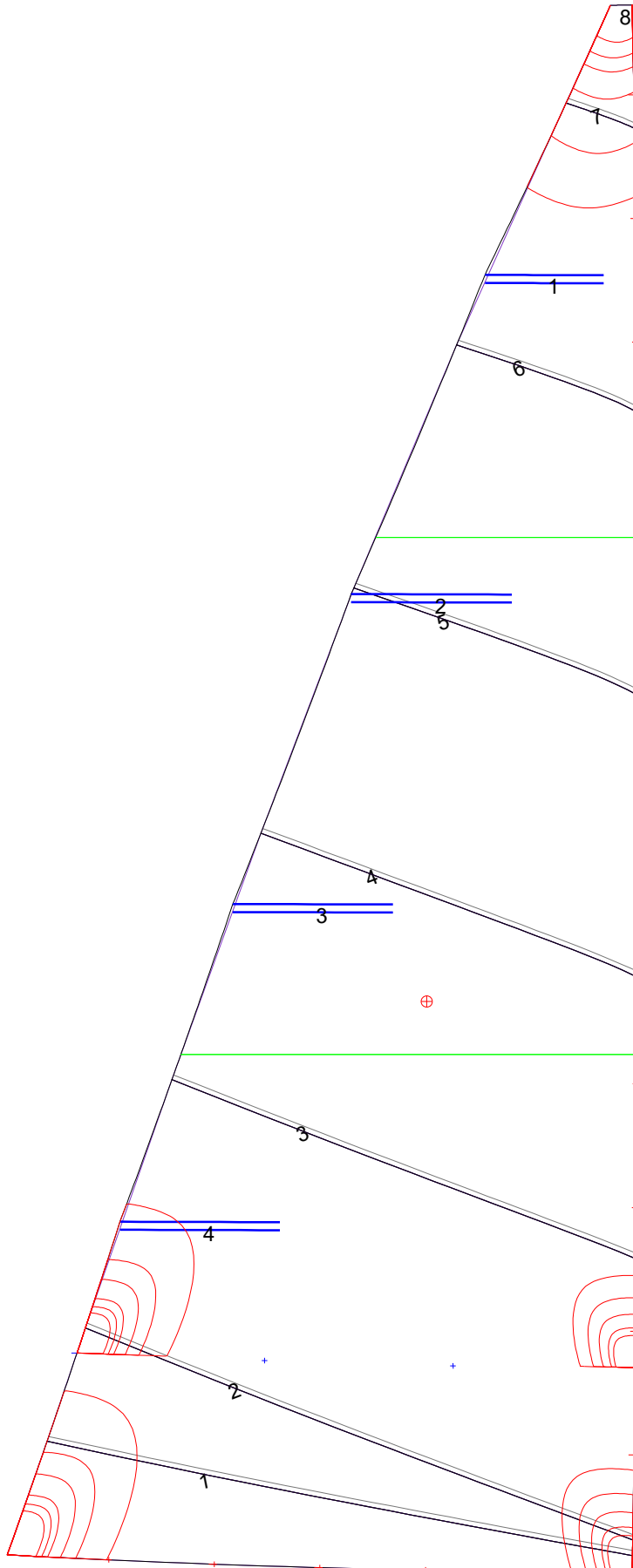
Foot Slides

- 1, Position: 0.507m
- 2, Position: 1.031m
- 3, Position: 1.555m
- 4, Position: 2.079m
- 5, Position: 2.603m

Luff Curve

| | | Fanned Luff (@ 5.00% [0.155m]) | Before BSeam |
|---------|---------|--------------------------------|--------------|
| 7.770m, | 0.000m | 100% (7.770m) : | 0.000m |
| 6.801m, | -0.018m | 90% (6.993m) : | 0.009m |
| 5.827m, | -0.031m | 80% (6.216m) : | 0.018m |
| 4.851m, | -0.036m | 70% (5.439m) : | 0.023m |
| 3.885m, | -0.037m | 60% (4.662m) : | 0.024m |
| 2.895m, | -0.034m | 50% (3.885m) : | 0.024m |
| 1.942m, | -0.027m | 40% (3.108m) : | 0.022m |
| 0.968m, | -0.015m | 30% (2.331m) : | 0.019m |
| 0.000m, | 0.000m | 20% (1.554m) : | 0.013m |
| | | 10% (0.777m) : | 0.006m |
| | | 0% (0.000m) : | 0.000m |

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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 | 13.55 |
| Radial/Vertical | 0.00 |
| Bi-Radial Split | 0.00 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|--------------------|
| Material 1 | 13.90 | 1,2,3,4,5 6,7,8 |