

Mainsail: 7000624 Sanford C&C 29 MK1 MainsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000624 Sanford\700

Initial Design Date: 5/7/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 9.967m
Leech geodesic: 10.314m
Foot geodesic: 2.963m
Head geodesic: 0.116m
Upper width (MUW): 0.619m
Three-quarter width (MTW): 1.104m
Half width (MHW): 1.904m
Quarter width (MQW): 2.496m
Foot median: 10.082m
ORC Mainsail area: 17.561m?
Surface area: 17.830m?
Clew height: 0.100m
Mast rake: 0.000m

Battens

| Position | Length | Roach | Angle | Luff | Leech | Full |
|----------|--------|--------|---------|--------|--------|------|
| 82.000% | 0.883m | 0.191m | 75.269? | 8.170m | 8.434m | Full |
| 62.000% | 1.591m | 0.271m | 75.269? | 6.180m | 6.377m | Full |
| 42.000% | 0.800m | 0.243m | 75.269? | 4.190m | 4.320m | |
| 21.000% | 0.800m | 0.144m | 75.269? | 2.100m | 2.160m | |

Reefing Points

1, Luff: 1.245m ; Leech: 1.274m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 2.740m ; Leech: 2.802m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 3.288m ; Leech: 3.303m ;
2, Luff: 6.577m ; Leech: 6.709m ;

Luff Slides

1, Position: 0.758m
2, Position: 1.596m
3, Position: 2.273m
4, Position: 3.061m
5, Position: 3.849m
6, Position: 4.637m
7, Position: 5.426m
8, Position: 6.184m
9, Position: 6.887m
10, Position: 7.589m
11, Position: 8.702m
12, Position: 9.333m

Luff Curve

| | | Fanned Luff (@ 5.00% [0.148m]) | Before BSeam |
|---------|---------|--------------------------------|--------------|
| 9.967m, | 0.000m | 100% (9.967m) : | 0.000m |
| 8.725m, | -0.023m | 90% (8.970m) : | 0.012m |
| 7.475m, | -0.040m | 80% (7.974m) : | 0.023m |
| 6.222m, | -0.047m | 70% (6.977m) : | 0.030m |
| 4.983m, | -0.048m | 60% (5.980m) : | 0.032m |
| 3.714m, | -0.044m | 50% (4.983m) : | 0.031m |
| 2.492m, | -0.035m | 40% (3.987m) : | 0.029m |
| 1.242m, | -0.020m | 30% (2.990m) : | 0.024m |
| 0.000m, | 0.000m | 20% (1.993m) : | 0.018m |
| | | 10% (0.997m) : | 0.009m |
| | | 0% (0.000m) : | 0.000m |

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

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

Total Seam Lengths (m)

| | |
|-----------------|-------|
| Horizontal | 16.67 |
| Radial/Vertical | 0.00 |
| Bi-Radial Split | 0.00 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|-------------------------|
| Material 1 | 17.83 | 1,2,3,4,5 6,7,8,9,10 |

