

# Mainsail: 7000134 Glenn-2 Mirage 26 MainV1.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\7000134 Glenn\7000134 Gle

Initial Design Date: 9/3/2023  
Boat:

Comments:

Client:

Design Data  
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## Main

### Measurements

Luff geodesic: 28.050Ft  
 Leech geodesic: 29.088Ft  
 Foot geodesic: 8.580Ft  
 Head geodesic: 0.377Ft  
 Upper width (MUW): 1.915Ft  
 Three-quarter width (MTW): 3.422Ft  
 Half width (MHW): 5.754Ft  
 Quarter width (MQW): 7.385Ft  
 Foot median: 28.404Ft  
 ORC Mainsail area: 147.583Ft?  
 Surface area: 150.605Ft?  
 Clew height: 0.098Ft  
 Mast rake: 0.000Ft

### Battens

| Position | Length  | Roach   | Angle   | Luff     | Leech    | Full |
|----------|---------|---------|---------|----------|----------|------|
| 80.000%  | 3.022Ft | 0.759Ft | 77.766? | 22.322Ft | 23.194Ft | Full |
| 60.000%  | 5.054Ft | 0.986Ft | 77.766? | 16.637Ft | 17.396Ft | Full |
| 40.000%  | 6.569Ft | 0.869Ft | 77.766? | 10.956Ft | 11.597Ft | Full |
| 20.000%  | 7.684Ft | 0.502Ft | 77.766? | 5.278Ft  | 5.798Ft  | Full |

### Reefing Points

1, Luff: 4.206Ft ; Leech: 4.291Ft ; Offset: 0.000Ft ; Number Eyelets: 2  
 2, Luff: 8.412Ft ; Leech: 8.587Ft ; Offset: 0.000Ft ; Number Eyelets: 2

### Draft Stripes

1, Luff: 9.253Ft ; Leech: 9.266Ft ;  
 2, Luff: 18.508Ft ; Leech: 18.859Ft ;

### Luff Slides

1, Position: 1.838Ft  
 2, Position: 3.677Ft  
 3, Position: 7.391Ft  
 4, Position: 9.267Ft  
 5, Position: 13.020Ft  
 6, Position: 14.897Ft  
 7, Position: 18.651Ft  
 8, Position: 20.528Ft  
 9, Position: 24.286Ft  
 10, Position: 26.168Ft

### Foot Slides

1, Position: 1.197Ft  
 2, Position: 2.434Ft  
 3, Position: 3.671Ft  
 4, Position: 4.909Ft  
 5, Position: 6.146Ft  
 6, Position: 7.383Ft

### Luff Curve

28.048Ft, 0.000Ft  
 24.553Ft, -0.085Ft  
 21.036Ft, -0.146Ft  
 17.511Ft, -0.172Ft  
 14.024Ft, -0.175Ft  
 10.451Ft, -0.162Ft  
 7.012Ft, -0.130Ft  
 3.495Ft, -0.074Ft  
 0.000Ft, 0.000Ft

### Fanned Luff (@ 5.00% [0.427Ft])

100% (28.050Ft) : 0.000Ft  
 90% (25.246Ft) : 0.048Ft  
 80% (22.440Ft) : 0.090Ft  
 70% (19.635Ft) : 0.113Ft  
 60% (16.830Ft) : 0.122Ft  
 50% (14.025Ft) : 0.121Ft  
 40% (11.220Ft) : 0.113Ft  
 30% (8.415Ft) : 0.097Ft  
 20% (5.610Ft) : 0.073Ft  
 10% (2.805Ft) : 0.038Ft  
 0% (0.000Ft) : 0.000Ft

### Before BSeam

-0.000Ft  
 0.122Ft  
 0.233Ft  
 0.313Ft  
 0.353Ft  
 0.355Ft  
 0.323Ft  
 0.263Ft  
 0.184Ft  
 0.091Ft  
 0.000Ft

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

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

Total Seam Lengths (Ft)

|                 |       |
|-----------------|-------|
| Horizontal      | 42.49 |
| Radial/Vertical | 0.00  |
| Bi-Radial Split | 0.00  |

Materials

| Material   | Area (Ft <sup>2</sup> ) | Panels             |
|------------|-------------------------|--------------------|
| Material 1 | 150.31                  | 1,2,3,4,5<br>6,7,8 |

