

Genoa: 8001008 Brent Whiting Headsail.des

Design Info

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Initial Design Date: 5/11/2024

Boat:

Whiting

Client:

Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001008 Brent WH

Comments:

Design Data

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Genoa

Measurements

| | |
|----------------------------|----------|
| Luff geodesic: | 10.960m |
| Leech geodesic: | 10.463m |
| Foot geodesic: | 4.525m |
| Headboard width: | 0.035m |
| Luff perpendicular (HLP): | 4.320m |
| Upper width (HUW): | 0.464m |
| Three-quarter width (HTW): | 0.934m |
| Half width (HHW): | 1.998m |
| Quarter width (HQW): | 3.144m |
| Foot median: | 10.603m |
| ORC Headsail area: | 22.698m? |
| IRC Headsail area: | 22.603m? |
| Surface area: | 22.822m? |
| Forestay height: | 11.600m |
| J: | 3.200m |

Draft Stripes

1, Luff: 3.631m ; Leech: 3.306m ;
2, Luff: 7.257m ; Leech: 6.822m ;

Luff Curve

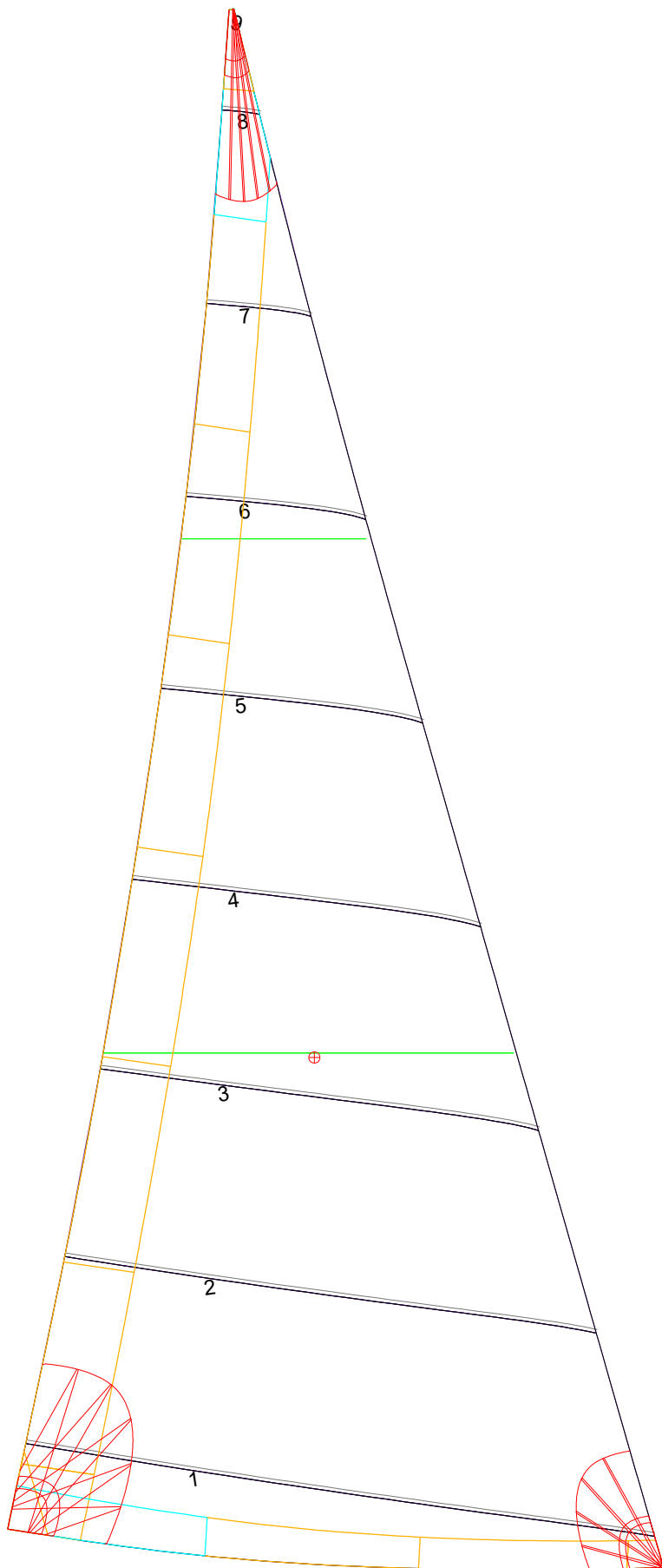
| | |
|----------|--------|
| 10.958m, | 0.000m |
| 10.047m, | 0.037m |
| 9.040m, | 0.067m |
| 8.154m, | 0.083m |
| 7.123m, | 0.089m |
| 5.453m, | 0.078m |
| 3.561m, | 0.053m |
| 1.852m, | 0.026m |
| 0.000m, | 0.000m |

Fanned Luff (@ 5.00% [0.222m])

| | | |
|------------------|---------|---------|
| 100% (10.958m) : | -0.000m | -0.000m |
| 90% (9.861m) : | -0.045m | -0.020m |
| 80% (8.768m) : | -0.075m | -0.026m |
| 70% (7.671m) : | -0.088m | -0.017m |
| 60% (6.575m) : | -0.089m | -0.001m |
| 50% (5.479m) : | -0.080m | 0.016m |
| 40% (4.384m) : | -0.067m | 0.031m |
| 30% (3.287m) : | -0.051m | 0.038m |
| 20% (2.192m) : | -0.035m | 0.034m |
| 10% (1.095m) : | -0.018m | 0.019m |
| 0% (0.000m) : | 0.000m | 0.000m |

Before BSeam

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Seam Allowances

| Zone: | Split | Radial | Cross |
|---------|--------|--------|--------|
| Zone: 1 | 0.025m | 0.025m | 0.025m |
| Cover 1 | 0.025m | 0.025m | 0.025m |
| Cover 2 | 0.025m | 0.025m | 0.025m |
| Cover 3 | 0.000m | 0.000m | 0.000m |
| Cover 4 | 0.000m | 0.000m | 0.000m |

Edge Excesses

| | Luff | Leech | Foot |
|---------|--------|--------|--------|
| Sail: | 0.000m | 0.000m | 0.000m |
| Cover 0 | 0.070m | 0.100m | 0.070m |
| Cover 1 | 0.070m | 0.070m | 0.100m |
| Cover 2 | 0.000m | 0.070m | 0.070m |
| Cover 3 | 0.000m | 0.070m | 0.070m |

Total Seam Lengths (m)

| | |
|-----------------|-------|
| Horizontal | 18.02 |
| Radial/Vertical | 0.00 |
| Bi-Radial Split | 0.00 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|----------------------|
| Material 1 | 22.87 | 1,2,3,4,5 6,7,8,9 |