

Genoa: 6000305 Hernan-Head Remake.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\6000305 Hernan\6000305 Hernan-Head Remake.des

Initial Design Date: 8/3/2022
Boat:

Comments:
Please double check the LP%%, it looks 155%% to fit the track

Client:

Design Data
=====

Genoa

Measurements

| | |
|----------------------------|----------|
| Luff geodesic: | 9.600m |
| Leech geodesic: | 8.982m |
| Foot geodesic: | 4.383m |
| Headboard width: | 0.035m |
| Luff perpendicular (HLP): | 4.107m |
| Upper width (HUW): | 0.455m |
| Three-quarter width (HTW): | 0.900m |
| Half width (HHW): | 1.898m |
| Quarter width (HQW): | 2.974m |
| Foot median: | 9.165m |
| ORC Headsail area: | 18.901m? |
| IRC Headsail area: | 18.856m? |
| Surface area: | 19.026m? |
| Forestay height: | 10.030m |
| J: | 2.650m |

Draft Stripes

1, Luff: 3.180m ; Leech: 2.629m ;
2, Luff: 6.356m ; Leech: 5.753m ;

Luff Curve

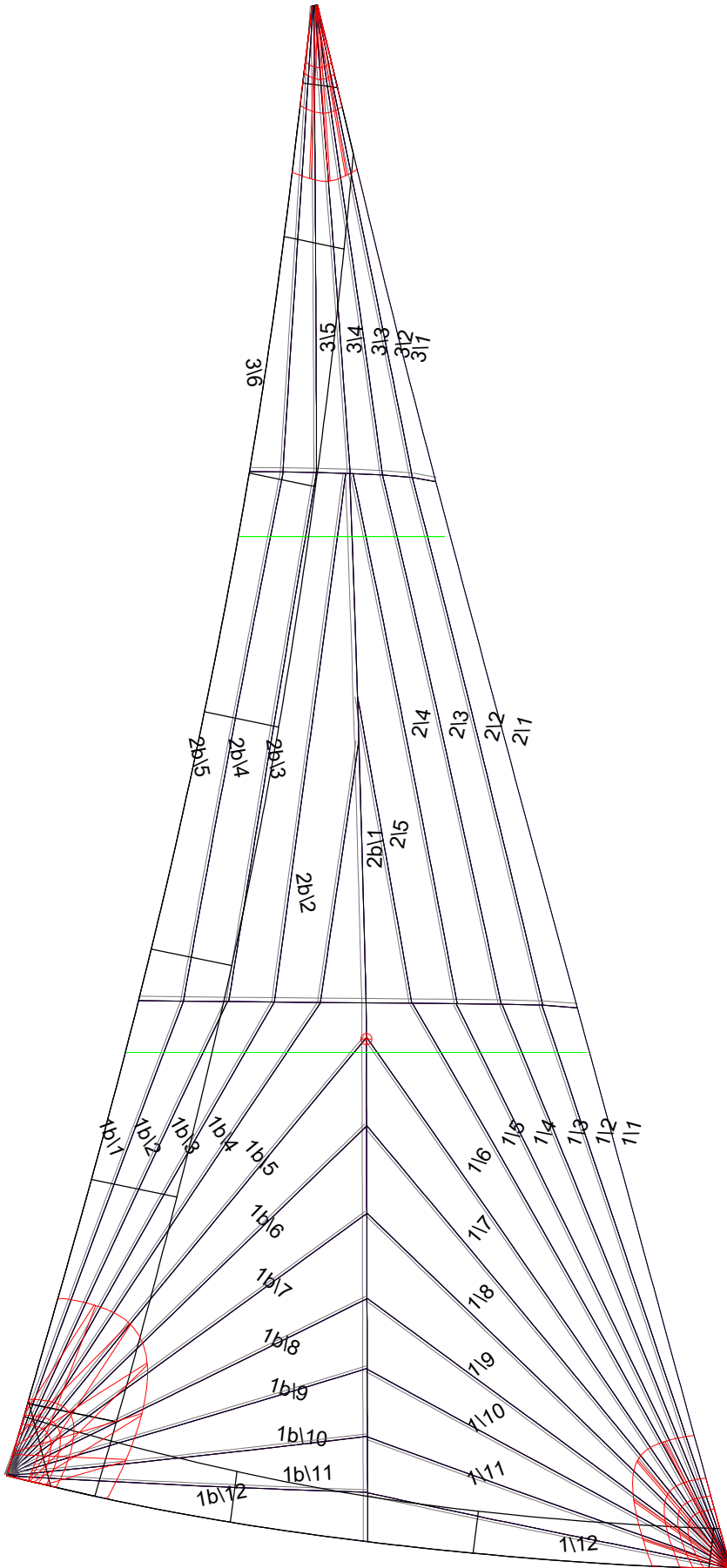
| | |
|---------|--------|
| 9.598m, | 0.000m |
| 8.801m, | 0.033m |
| 7.918m, | 0.059m |
| 7.142m, | 0.072m |
| 6.239m, | 0.078m |
| 4.776m, | 0.068m |
| 3.119m, | 0.046m |
| 1.622m, | 0.023m |
| 0.000m, | 0.000m |

Fanned Luff (@ 5.00% [0.215m])

| | | |
|-----------------|---------|---------|
| 100% (9.598m) : | 0.000m | -0.000m |
| 90% (8.639m) : | -0.035m | -0.007m |
| 80% (7.680m) : | -0.063m | -0.008m |
| 70% (6.719m) : | -0.076m | 0.002m |
| 60% (5.759m) : | -0.076m | 0.017m |
| 50% (4.799m) : | -0.069m | 0.026m |
| 40% (3.840m) : | -0.058m | 0.030m |
| 30% (2.880m) : | -0.045m | 0.032m |
| 20% (1.920m) : | -0.031m | 0.029m |
| 10% (0.959m) : | -0.016m | 0.018m |
| 0% (0.000m) : | 0.000m | 0.000m |

Before BSeam

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Seam Allowances

| | Split | Radial | Cross |
|-----------|--------|--------|--------|
| Zone: 1/a | 0.026m | 0.016m | 0.026m |
| Zone: 1/b | 0.026m | 0.016m | 0.026m |
| Zone: 2/a | 0.026m | 0.016m | 0.026m |
| Zone: 2/b | 0.026m | 0.016m | 0.026m |
| Zone: 3 | 0.026m | 0.016m | 0.026m |
| 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 | 3.92 |
| Radial/Vertical | 103.05 |
| Bi-Radial Split | 6.67 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|---|
| Material 1 | 19.07 | 1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6 |