

# Genoa: 7001211 Scott-2 Beneteau 10 Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001211 Scott\7001

Initial Design Date: 28/12/2023  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

|                            |          |
|----------------------------|----------|
| Luff geodesic:             | 12.050m  |
| Leech geodesic:            | 11.661m  |
| Foot geodesic:             | 6.037m   |
| Headboard width:           | 0.035m   |
| Luff perpendicular (HLP):  | 5.764m   |
| Upper width (HUW):         | 0.660m   |
| Three-quarter width (HTW): | 1.312m   |
| Half width (HHW):          | 2.712m   |
| Quarter width (HQW):       | 4.213m   |
| Foot median:               | 11.657m  |
| ORC Headsail area:         | 33.655m? |
| IRC Headsail area:         | 33.576m? |
| Surface area:              | 33.910m? |
| Forestay height:           | 12.400m  |
| J:                         | 4.270m   |

### Draft Stripes

1, Luff: 3.997m ; Leech: 3.895m ;  
2, Luff: 7.986m ; Leech: 7.702m ;

### Luff Curve

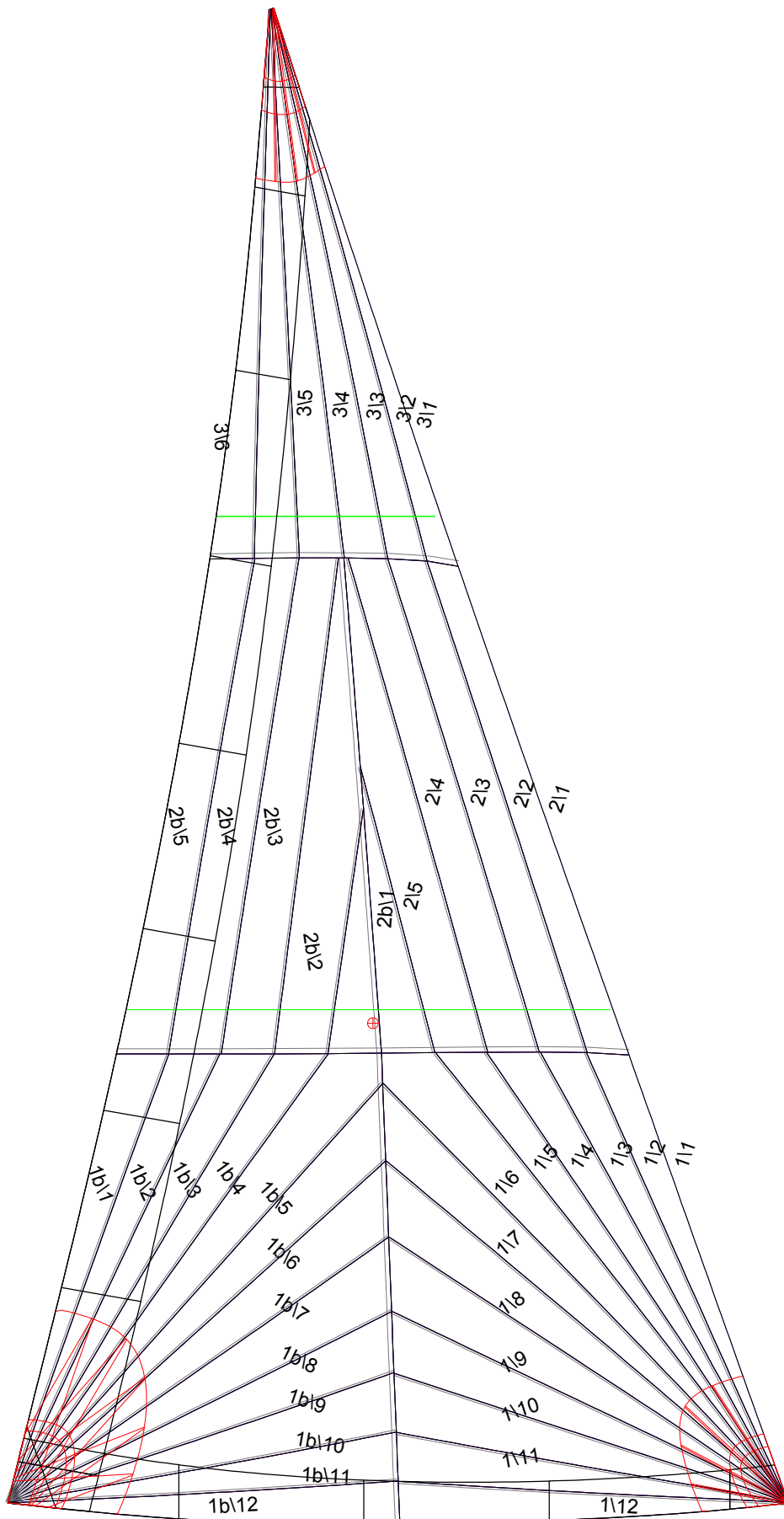
|          |        |
|----------|--------|
| 12.048m, | 0.000m |
| 11.047m, | 0.041m |
| 9.939m,  | 0.074m |
| 8.965m,  | 0.091m |
| 7.831m,  | 0.097m |
| 5.995m,  | 0.085m |
| 3.915m,  | 0.058m |
| 2.036m,  | 0.029m |
| 0.000m,  | 0.000m |

### Fanned Luff (@ 5.00% [0.298m])

|                  |         |        |
|------------------|---------|--------|
| 100% (12.048m) : | -0.000m | 0.000m |
| 90% (10.842m) :  | -0.044m | 0.005m |
| 80% (9.640m) :   | -0.077m | 0.014m |
| 70% (8.434m) :   | -0.094m | 0.025m |
| 60% (7.229m) :   | -0.097m | 0.035m |
| 50% (6.024m) :   | -0.089m | 0.044m |
| 40% (4.820m) :   | -0.075m | 0.049m |
| 30% (3.614m) :   | -0.058m | 0.047m |
| 20% (2.410m) :   | -0.039m | 0.039m |
| 10% (1.204m) :   | -0.020m | 0.023m |
| 0% (0.000m) :    | 0.000m  | 0.000m |

### Before BSeam

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## Seam Allowances

|           | Split  | Radial | Cross  |
|-----------|--------|--------|--------|
| Zone: 1/a | 0.035m | 0.016m | 0.040m |
| Zone: 1/b | 0.035m | 0.016m | 0.040m |
| Zone: 2/a | 0.035m | 0.016m | 0.040m |
| Zone: 2/b | 0.035m | 0.016m | 0.040m |
| Zone: 3   | 0.035m | 0.016m | 0.040m |
| 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      | 6.14   |
| Radial/Vertical | 131.14 |
| Bi-Radial Split | 7.70   |

## Materials

| Material   | Area (m <sup>2</sup> ) | Panels  |
|------------|------------------------|---|
| Material 1 | 33.95                  | 1\1,1\2,1\3,1\4,1\5<br>1\6,1\7,1\8,1\9,1\10<br>1\11,1\12,1b\1,1b\2,1b\3<br>1b\4,1b\5,1b\6,1b\7,1b\8<br>1b\9,1b\10,1b\11,1b\12,2\1<br>2\2,2\3,2\4,2\5,2b\1<br>2b\2,2b\3,2b\4,2b\5,3\1<br>3\2,3\3,3\4,3\5,3\6 |