

# Genoa: 7000316 Tom-2 headsail.des

## Design Info

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Initial Design Date: 4/4/2023  
Boat:

Client:

## Design File:

\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000316 Tom\7000316 Tom-

Comments:

## Design Data

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## Genoa

### Measurements

|                            |          |
|----------------------------|----------|
| Luff geodesic:             | 13.700m  |
| Leech geodesic:            | 12.600m  |
| Foot geodesic:             | 4.890m   |
| Headboard width:           | 0.035m   |
| Luff perpendicular (HLP):  | 4.508m   |
| Upper width (HUW):         | 0.491m   |
| Three-quarter width (HTW): | 0.971m   |
| Half width (HHW):          | 2.038m   |
| Quarter width (HQW):       | 3.229m   |
| Foot median:               | 13.137m  |
| ORC Headsail area:         | 29.306m? |
| IRC Headsail area:         | 29.245m? |
| Surface area:              | 29.658m? |
| Forestay height:           | 14.500m  |
| J:                         | 3.700m   |

### Luff Curve

|          |        |
|----------|--------|
| 13.697m, | 0.000m |
| 12.559m, | 0.046m |
| 11.300m, | 0.084m |
| 10.192m, | 0.103m |
| 8.904m,  | 0.111m |
| 6.816m,  | 0.097m |
| 4.452m,  | 0.066m |
| 2.315m,  | 0.033m |
| 0.000m,  | 0.000m |

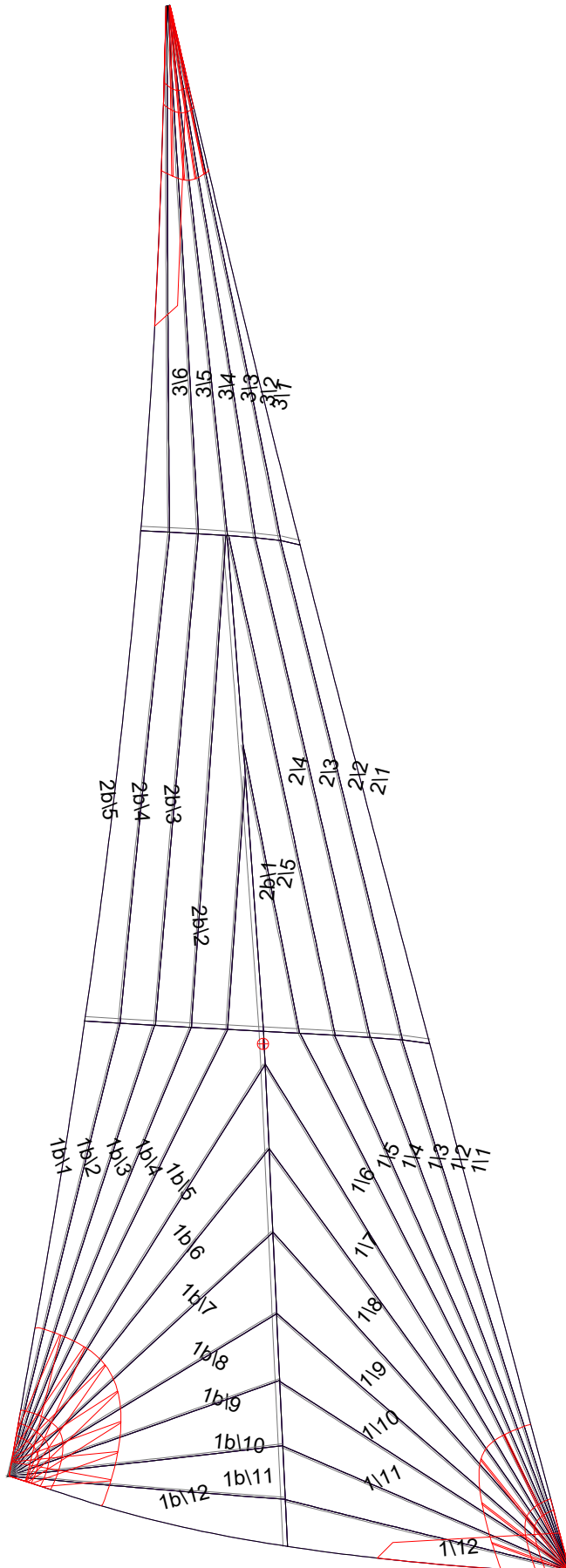
### Fanned Luff (@ 5.00% [0.237m])

|                  |         |
|------------------|---------|
| 100% (13.698m) : | 0.000m  |
| 90% (12.329m) :  | -0.052m |
| 80% (10.959m) :  | -0.089m |
| 70% (9.589m) :   | -0.108m |
| 60% (8.219m) :   | -0.110m |
| 50% (6.849m) :   | -0.101m |
| 40% (5.479m) :   | -0.084m |
| 30% (4.109m) :   | -0.063m |
| 20% (2.740m) :   | -0.042m |
| 10% (1.369m) :   | -0.021m |
| 0% (0.000m) :    | -0.000m |

### Before BSeam

|         |
|---------|
| 0.000m  |
| -0.012m |
| -0.016m |
| -0.013m |
| -0.006m |
| 0.004m  |
| 0.012m  |
| 0.015m  |
| 0.017m  |
| 0.013m  |
| 0.000m  |

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## Seam Allowances

|           | Split  | Radial | Cross  |
|-----------|--------|--------|--------|
| Zone: 1/a | 0.038m | 0.015m | 0.038m |
| Zone: 1/b | 0.038m | 0.015m | 0.038m |
| Zone: 2/a | 0.038m | 0.015m | 0.038m |
| Zone: 2/b | 0.038m | 0.015m | 0.038m |
| Zone: 3   | 0.038m | 0.015m | 0.038m |

## Edge Excesses

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

## Total Seam Lengths (m)

|                 |        |
|-----------------|--------|
| Horizontal      | 4.54   |
| Radial/Vertical | 135.31 |
| Bi-Radial Split | 8.95   |

## Materials

| Material   | Area (m²) | Panels  |
|------------|-----------|---|
| Material 1 | 29.72     | 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 |