

# Genoa: 7000217 Lee-3 Yankee .des

Design Info  
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Design File:  
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000217 Le

Initial Design Date: 22/2/2023  
Boat:

Comments:  
luff=9.1m, leech=7.72m, foot=5.8m  
LP=4.91m, not 4.44m

Client:

Design Data  
=====

## Genoa

### Measurements

|                            |          |
|----------------------------|----------|
| Luff geodesic:             | 9.100m   |
| Leech geodesic:            | 7.720m   |
| Foot geodesic:             | 5.800m   |
| Headboard width:           | 0.050m   |
| Luff perpendicular (HLP):  | 4.911m   |
| Upper width (HUW):         | 0.586m   |
| Three-quarter width (HTW): | 1.149m   |
| Half width (HHW):          | 2.339m   |
| Quarter width (HQW):       | 3.604m   |
| Foot median:               | 8.044m   |
| ORC Headsail area:         | 21.826m? |
| IRC Headsail area:         | 21.783m? |
| Surface area:              | 22.061m? |
| Forestay height:           | 12.000m  |
| J:                         | 0.000m   |

### Luff Slides

- 1, Position: 0.350m
- 2, Position: 1.004m
- 3, Position: 1.658m
- 4, Position: 2.312m
- 5, Position: 2.965m
- 6, Position: 3.619m
- 7, Position: 4.273m
- 8, Position: 4.927m
- 9, Position: 5.581m
- 10, Position: 6.235m
- 11, Position: 6.888m
- 12, Position: 7.542m
- 13, Position: 8.196m
- 14, Position: 8.850m

### Luff Curve

|         |        |
|---------|--------|
| 9.098m, | 0.000m |
| 8.342m, | 0.031m |
| 7.506m, | 0.056m |
| 6.770m, | 0.069m |
| 5.914m, | 0.074m |
| 4.528m, | 0.065m |
| 2.957m, | 0.044m |
| 1.538m, | 0.022m |
| 0.000m, | 0.000m |

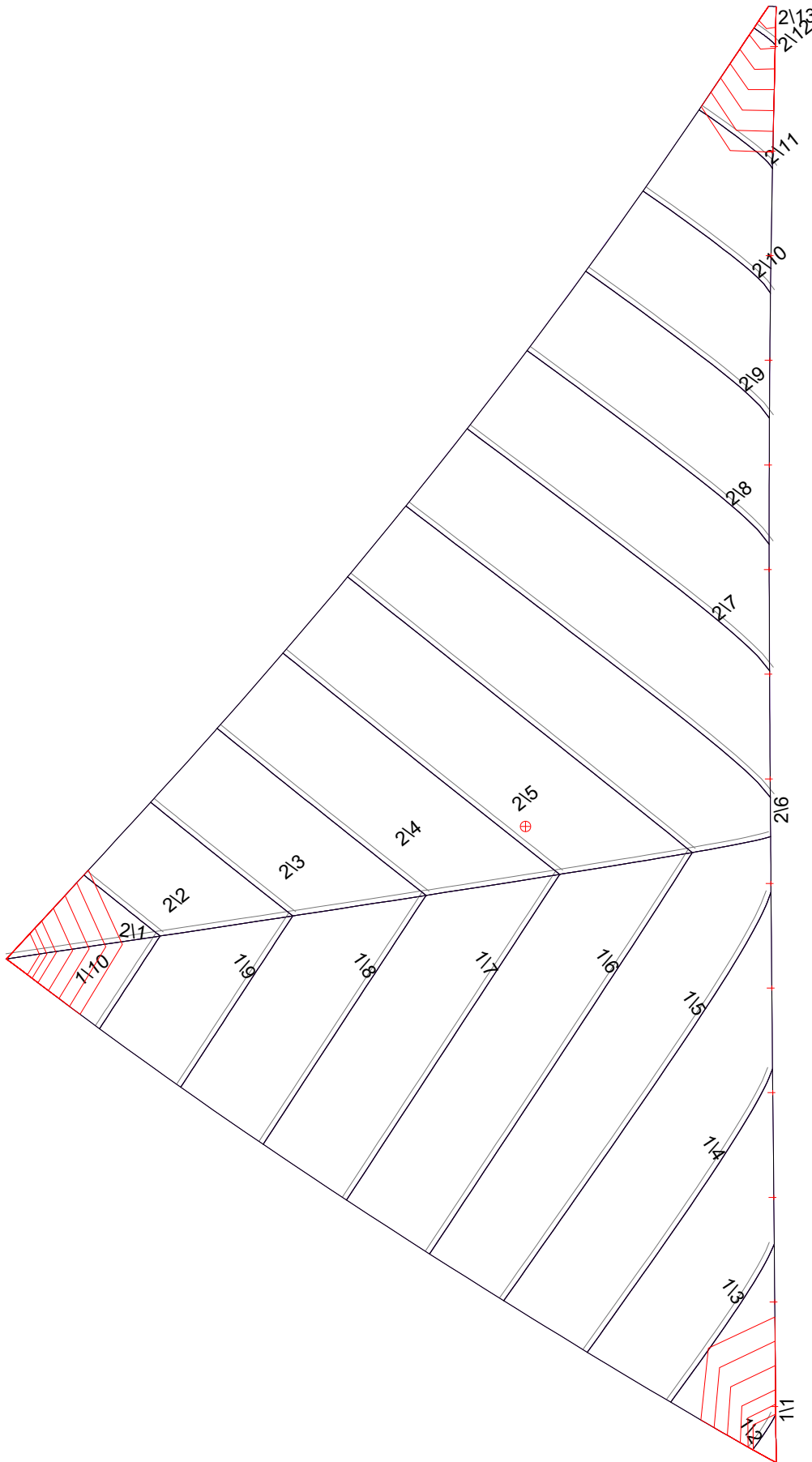
### Fanned Luff (@ 5.00% [0.240m])

|                 |         |
|-----------------|---------|
| 100% (9.098m) : | 0.000m  |
| 90% (8.192m) :  | -0.034m |
| 80% (7.278m) :  | -0.060m |
| 70% (6.370m) :  | -0.073m |
| 60% (5.459m) :  | -0.074m |
| 50% (4.550m) :  | -0.068m |
| 40% (3.639m) :  | -0.057m |
| 30% (2.730m) :  | -0.043m |
| 20% (1.819m) :  | -0.029m |
| 10% (0.911m) :  | -0.014m |
| 0% (0.000m) :   | 0.000m  |

### Before BSeam

|         |
|---------|
| -0.000m |
| -0.005m |
| -0.005m |
| -0.000m |
| 0.008m  |
| 0.016m  |
| 0.021m  |
| 0.021m  |
| 0.018m  |
| 0.013m  |
| 0.000m  |

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## Seam Allowances

|         | Split  | Radial | Cross  |
|---------|--------|--------|--------|
| Zone: 1 | 0.032m | 0.032m | 0.032m |
| Zone: 2 | 0.032m | 0.032m | 0.032m |

## Edge Excesses

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

## Total Seam Lengths (m)

|                 |       |
|-----------------|-------|
| Horizontal      | 24.35 |
| Radial/Vertical | 16.30 |
| Bi-Radial Split | 0.00  |

## Materials

| Material   | Area (m <sup>2</sup> ) | Panels   |
|------------|------------------------|--|
| Material 1 | 22.12                  | 1/1,1/2,1/3,1/4,1/5<br>1/6,1/7,1/8,1/9,1/10<br>2/1,2/2,2/3,2/4,2/5<br>2/6,2/7,2/8,2/9,2/10<br>2/11,2/12,2/13 |