

# Asymmetric: 6001225 Arturo Beneteau 45 asy V1-color.des

Design Info  
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Design File:  
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\6001225 Ar

Initial Design Date: 10/2/2023  
Boat:

Comments:

Client:

Design Data  
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## Asymmetric

### Measurements

|                      |                       |                     |
|----------------------|-----------------------|---------------------|
| Luff length (SLU):   | 18.861m               |                     |
| Leech length (SLE):  | 15.954m               |                     |
| Foot length (SFL):   | 10.058m               |                     |
| Headboard Width:     | 0.005m                |                     |
| Three-quarter width: | 6.088m                | Closest Pt: 4.763m  |
| Half width (SHW):    | 9.967m                | Closest Pt: 9.015m  |
| Quarter width:       | 10.839m               | Closest Pt: 10.857m |
| ORC Area:            | 144.852m <sup>2</sup> |                     |
| IRC Area:            | 144.272m <sup>2</sup> |                     |
| Surface Area:        | 150.312m <sup>2</sup> |                     |
| Hoist height:        | 17.855m               |                     |
| J:                   | 7.035m                |                     |

### Luff Curve

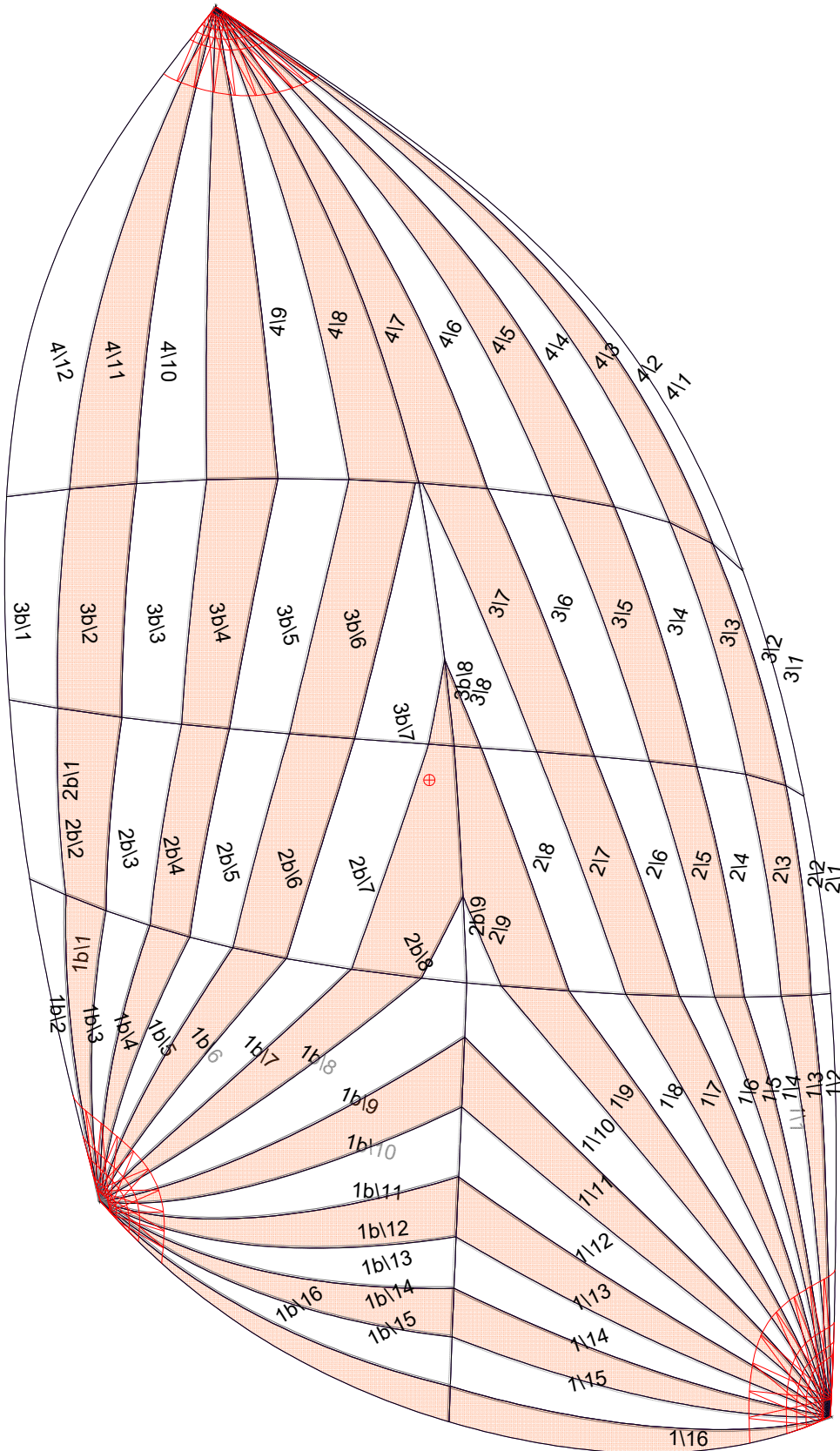
|          |        |
|----------|--------|
| 15.500m, | 0.000m |
| 11.625m, | 0.000m |
| 7.750m,  | 0.000m |
| 3.875m,  | 0.000m |
| 0.000m,  | 0.000m |

### Fanned Luff (@ 5.00% [0.414m])

|                  |         |         |
|------------------|---------|---------|
| 100% (18.814m) : | 0.000m  | 0.000m  |
| 85% (15.951m) :  | -0.141m | -1.544m |
| 72% (13.518m) :  | -0.310m | 1.025m  |
| 61% (11.544m) :  | -0.456m | 2.089m  |
| 52% (9.791m) :   | -0.556m | 2.371m  |
| 43% (8.123m) :   | -0.602m | 2.399m  |
| 34% (6.490m) :   | -0.584m | 2.231m  |
| 26% (4.872m) :   | -0.505m | 1.879m  |
| 17% (3.256m) :   | -0.375m | 1.348m  |
| 9% (1.633m) :    | -0.207m | 0.698m  |
| 0% (0.000m) :    | 0.000m  | 0.000m  |

### Before BSeam

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## Seam Allowances

|           | Split  | Radial | Cross  |
|-----------|--------|--------|--------|
| Zone: 1/a | 0.020m | 0.020m | 0.020m |
| Zone: 1/b | 0.020m | 0.020m | 0.020m |
| Zone: 2/a | 0.020m | 0.020m | 0.020m |
| Zone: 2/b | 0.020m | 0.020m | 0.020m |
| Zone: 3/a | 0.020m | 0.020m | 0.020m |
| Zone: 3/b | 0.020m | 0.020m | 0.020m |
| Zone: 4   | 0.020m | 0.020m | 0.020m |

## Edge Excesses

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

## Total Seam Lengths (m)

|                 |        |
|-----------------|--------|
| Horizontal      | 31.32  |
| Radial/Vertical | 326.50 |
| Bi-Radial Split | 11.55  |

## Materials

| Material | Area (m²) | Panels  |
|----------|-----------|---|
| White    | 77.54     | 1\1,1\3,1\5,1\7,1\9<br>1\11,1\13,1\15,1b\1,1b\3<br>1b\5,1b\7,1b\9,1b\11,1b\13<br>1b\15,2\1,2\3,2\5,2\7<br>2\9,2b\9,2b\7,2b\5,2b\3<br>2b\1,3\1,3\3,3\5,3\7<br>3b\7,3b\5,3b\3,3b\1,4\1<br>4\3,4\5,4\8,4\10,4\12 |
| orange   | 72.75     | 1\2,1\4,1\6,1\8,1\10<br>1\12,1\14,1\16,1b\2,1b\4<br>1b\6,1b\8,1b\10,1b\12,1b\14<br>1b\16,2\2,2\4,2\6,2\8<br>2b\8,2b\6,2b\4,2b\2,3\2<br>3\4,3\6,3\8,3b\8,3b\6<br>3b\4,3b\2,4\2,4\4,4\6<br>4\7,4\9,4\11         |