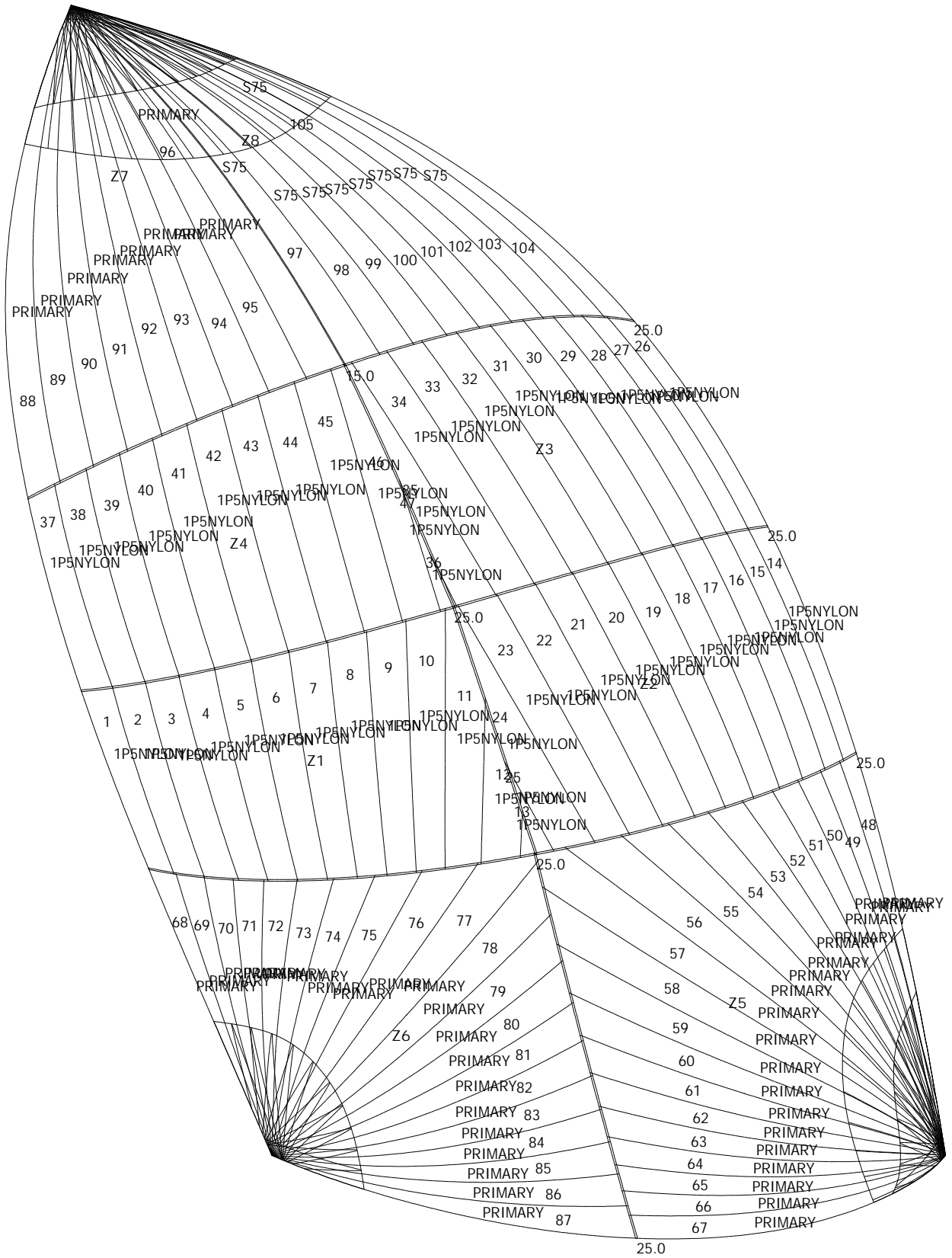
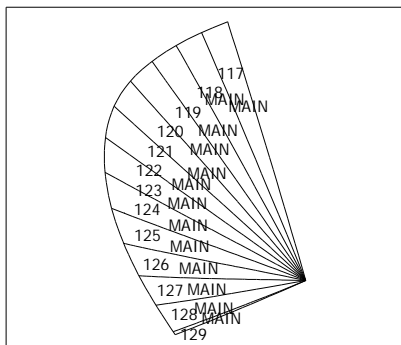


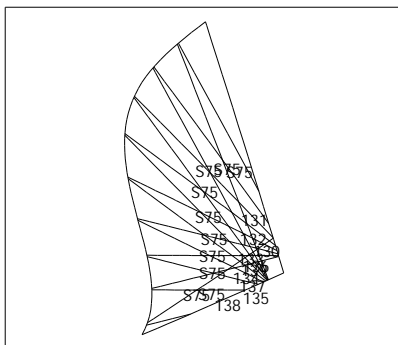
# Panel layout



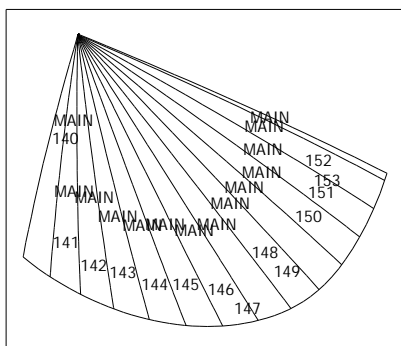
## Patch layout



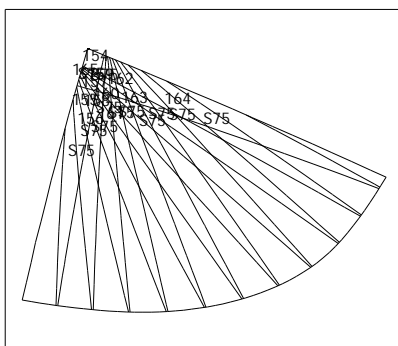
P10



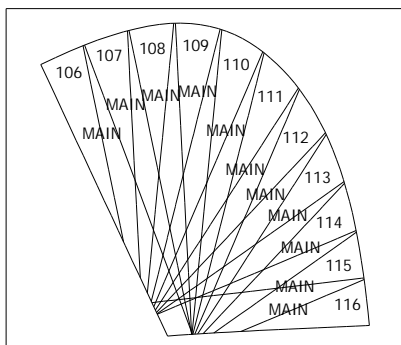
P11



P12



P13



P9

Date: 12/02/2014  
Designer:  
Company:  
Filename: 49832.pak

Sail:  
Boat:  
Customer:  
Order Ref.:

## Measurement Check List

### Measurement rules Ref.: aspin\_irc

[Luff] = 21.131 m [Leech] = 17.812 m [SF] = 10.292 m [SMG] = 10.411 m Area = 172.73 m<sup>2</sup>  
Area\_irc = 167.88 smg\_min = 7.72 [Drop] = 20.199 m [3/4 girth] = 6.328 m [1/4 girth] = 11.297 m  
girth% = 1.01 [SMW] = 11.647 m [Head] = 0.010 m

Angles Clew: 111.33 ° Tack: 96.99 ° Head: 86.07 °

### Roach (After broadseaming)

|       | 1/8       | 2/8       | 3/8       | 4/8       | 5/8       | 6/8      | 7/8      |
|-------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| Luff  | 162.5 mm  | 288.5 mm  | 388.1 mm  | 451.0 mm  | 449.9 mm  | 369.2 mm | 213.8 mm |
| Leech | -119.9 mm | -225.8 mm | -277.7 mm | -249.6 mm | -132.9 mm | 0.6 mm   | 41.3 mm  |

### Reef, Battens, Shape stripes

#### Area

Material area: 215.30 m<sup>2</sup> Sail area (mould): 172.73 m<sup>2</sup>

### Materials

| Material's ID | Material's ref. (&color) | Area (m <sup>2</sup> ) | Panels                   |
|---------------|--------------------------|------------------------|--------------------------|
| 1P5NYLON      | Default                  | 74.914                 | 1-47                     |
| PRIMARY       | Default                  | 84.681                 | 48-96                    |
| S75           | Default                  | 32.984                 | 97-105; 130-139; 154-165 |
| MAIN          | Default                  | 22.719                 | 106-129; 140-153         |

### Seam width

| Seam width (mm) | Zones; Total length (m)  |
|-----------------|--|
| 25.0            | Zone-seams: 1; 2; 3; 4; 5; 6; TOTAL: 44.8m                         |
| 15.0            | Zones: Z1; Z2; Z3; Z4; Z5; Z6; Z7; Z8 Zone-seams: 7; TOTAL: 491.2m |

### Sail outline finishings

Hemmings: None

Outline drawings: None

### Notes

## Designer Check List

### Measurement rules Ref.: aspin\_irc

[Luff] = 21.131 m [Leech] = 17.812 m [SF] = 10.292 m [SMG] = 10.411 m Area = 172.73 m<sup>2</sup>  
 Area\_irc = 167.88 smg\_min = 7.72 [Drop] = 20.199 m [3/4 girth] = 6.328 m [1/4 girth] = 11.297 m  
 girth% = 1.01 [SMW] = 11.647 m [Head] = 0.010 m

**Angles** Clew: 111.33 ° Tack: 96.99 ° Head: 86.07 °

### Outline

|             | Va    |       | Pos Va | Front | Back   | Entry |       | Exit |       |
|-------------|-------|-------|--------|-------|--------|-------|-------|------|-------|
|             | (m)   | (%Ch) | (%Ch)  | (%Ch) | (%Ch)  | (%)   | (°)   | (%)  | (°)   |
| Leech Roach | 1.882 | 12.10 | 59.9   | 60.69 | 86.52  | 0.97  | 13.37 | 1.49 | 37.96 |
| Leech Twist | 0.899 | 5.78  | 50.0   | 49.79 | 107.12 | 0.76  | 4.98  | 1.68 | 22.59 |
| Luff Roach  | 3.448 | 17.90 | 55.1   | 70.00 | 76.00  | 1.18  | 28.23 | 1.27 | 37.55 |
| Luff Twist  | 1.734 | 9.00  | 53.0   | 68.68 | 77.50  | 1.13  | 14.77 | 1.27 | 20.70 |
| Foot Roach  | 0.540 | 6.00  | 50.0   | 79.48 | 70.66  | 1.43  | 15.24 | 1.30 | 12.43 |
| Head Roach  | 0.001 | 6.50  | 50.0   | 73.19 | 73.19  | 1.20  | 12.86 | 1.20 | 12.86 |

### Profiles

|                               | Va (%Ch) | Po (%Ch) | C1 (%ca) | C2 (%ca) | Entry (°) | Exit (°) | Twist/Foot (°) | Twist inc (°) |
|-------------------------------|----------|----------|----------|----------|-----------|----------|----------------|---------------|
| Head (100.0%)                 | 8.85     | 49.0     | 50.41    | 51.63    | 22.74     | 20.91    | 20.00          | 1.23          |
| Profil 11 at 95.0%Gu, 95.0%Cl | 10.94    | 48.5     | 50.61    | 51.63    | 27.84     | 25.45    | 18.77          | 1.35          |
| Profil 10 at 87.0%Gu, 87.0%Cl | 13.04    | 48.0     | 51.21    | 51.63    | 32.67     | 29.65    | 17.42          | 3.06          |
| Profil 9 at 70.0%Gu, 70.0%Ch  | 17.89    | 47.0     | 55.20    | 51.50    | 43.35     | 41.13    | 14.36          | 2.56          |
| Profil 8 at 57.0%Gu, 57.0%Ch  | 21.18    | 46.1     | 58.93    | 50.78    | 50.79     | 48.44    | 11.80          | 2.37          |
| Profil 7 at 45.0%Gu, 45.0%Ch  | 23.58    | 45.2     | 61.16    | 49.48    | 56.43     | 51.41    | 9.43           | 2.59          |
| Profil 6 at 32.0%Gu, 32.0%Ch  | 25.43    | 43.5     | 62.45    | 47.06    | 61.71     | 52.09    | 6.85           | 2.51          |
| Profil 5 at 20.0%Gu, 20.0%Ch  | 25.93    | 41.8     | 63.12    | 44.06    | 65.36     | 51.77    | 4.34           | 1.08          |
| Profil 4 at 15.0%Gu, 15.0%Ch  | 25.79    | 41.4     | 63.24    | 43.09    | 67.59     | 51.38    | 3.26           | 1.09          |
| Profil 3 at 10.0%Gu, 10.0%Ch  | 25.35    | 41.0     | 63.12    | 42.45    | 70.40     | 50.67    | 2.17           | 1.74          |
| Profil 2 at 2.0%Gu, 2.0%Ch    | 23.84    | 38.9     | 62.12    | 42.24    | 74.42     | 44.49    | 0.43           | 1.30          |
| Profil 1 at -4.0%Gu, -4.0%Ch  | 21.81    | 37.0     | 60.99    | 42.80    | 75.43     | 34.07    | -0.87          | -0.87         |
| Foot (0.0%)                   | 21.44    | 34.8     | 78.82    | 74.32    | 57.03     | 29.93    | 0.00           | 0.00          |

### Luff Roach

| Pos     | Before broadseaming   | After broadseaming    | Broadseam |
|---------|-----------------------|-----------------------|-----------|
| 87.50 % | 1315.8 mm at 17.260 m | 213.82 mm at 18.467 m | 80.6 mm   |
| 75.00 % | 2432.4 mm at 14.795 m | 369.24 mm at 15.829 m | 276.6 mm  |
| 62.50 % | 3164.0 mm at 12.329 m | 449.86 mm at 13.191 m | 446.4 mm  |
| 50.00 % | 3394.9 mm at 9.863 m  | 451.03 mm at 10.553 m | 485.3 mm  |
| 37.50 % | 3131.7 mm at 7.397 m  | 388.12 mm at 7.915 m  | 446.6 mm  |
| 25.00 % | 2425.1 mm at 4.932 m  | 288.46 mm at 5.276 m  | 320.9 mm  |
| 12.50 % | 1362.9 mm at 2.466 m  | 162.54 mm at 2.638 m  | 242.7 mm  |