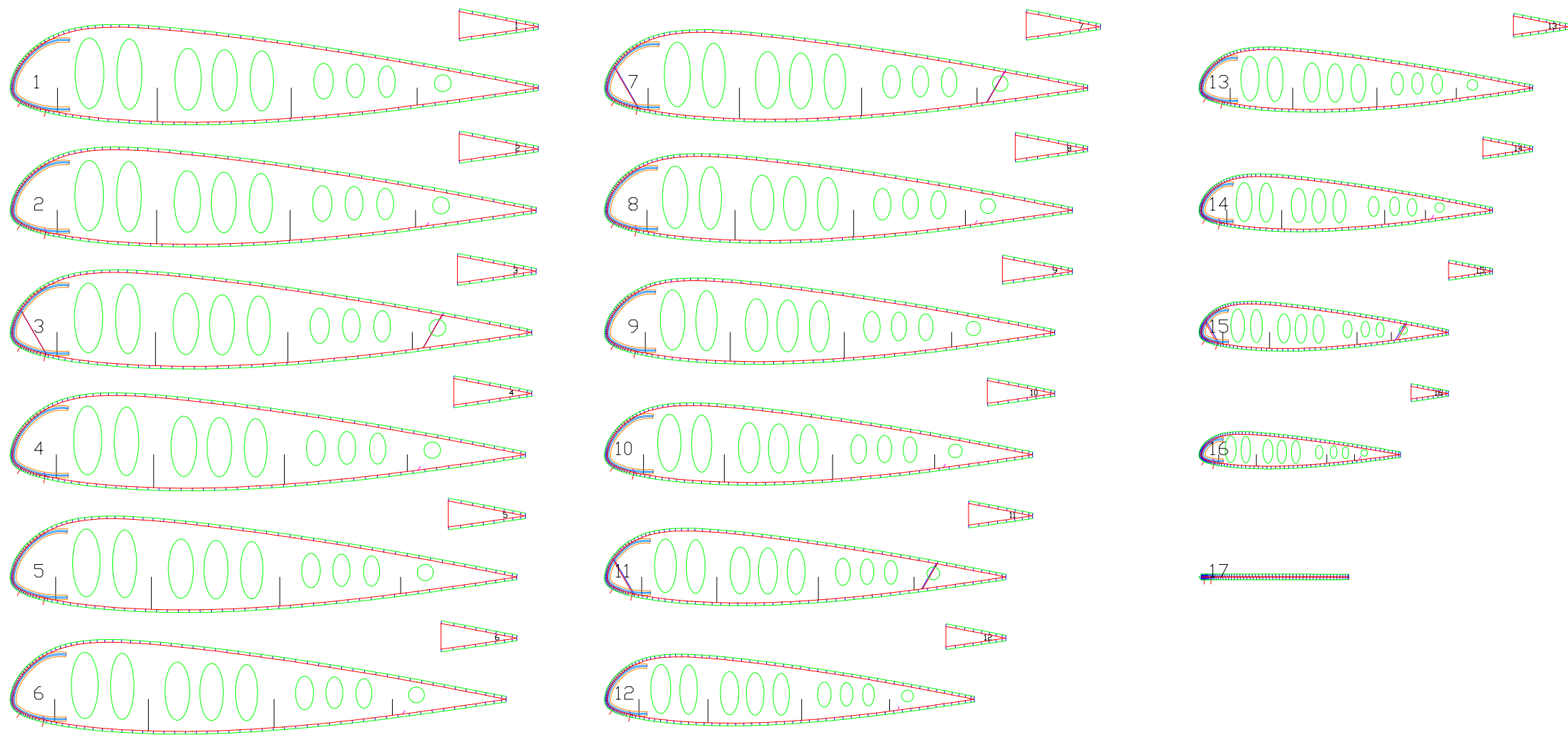
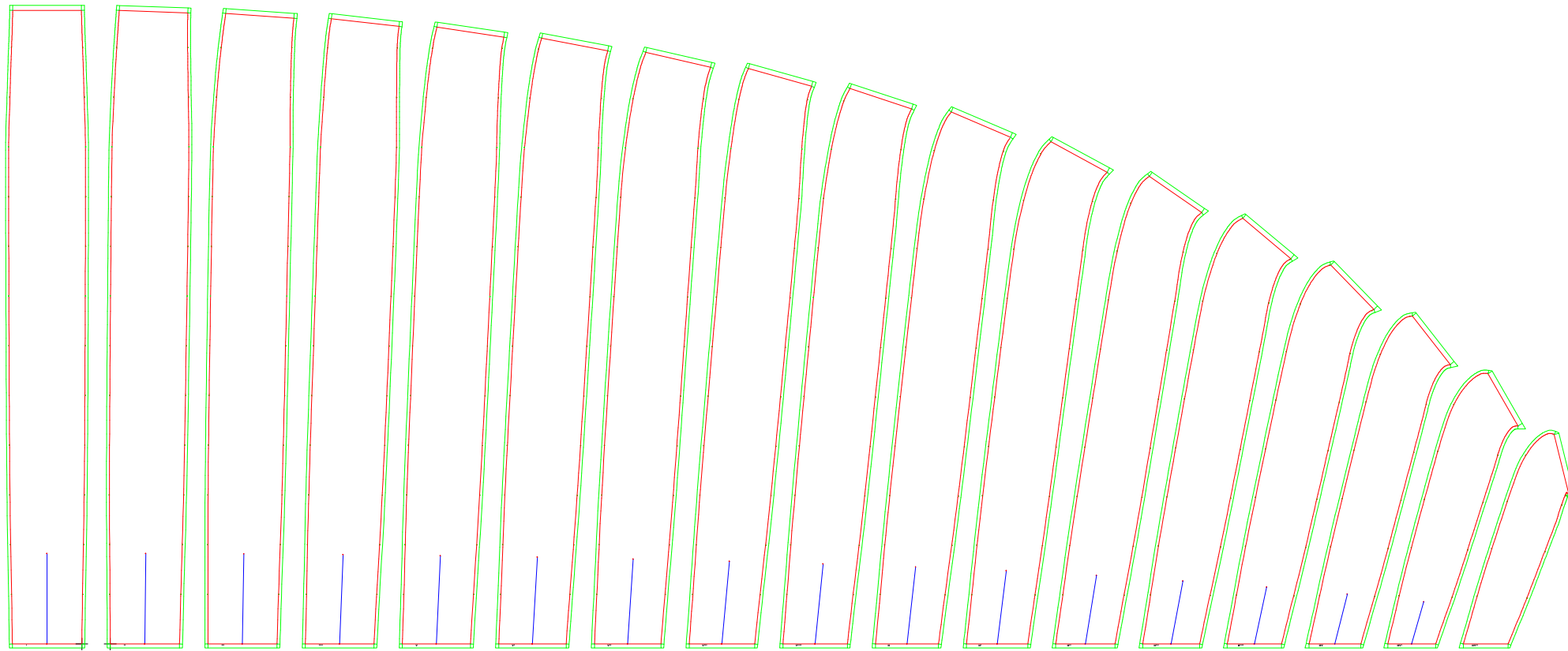


Laboratori d'envol gnuA7-24
 Flat area (m²) : 24.00
 Flat span (m) : 10.16
 Flat aspect ratio : 4.30
 Cells number : 33

1-1 PLANFORM AND VAULT



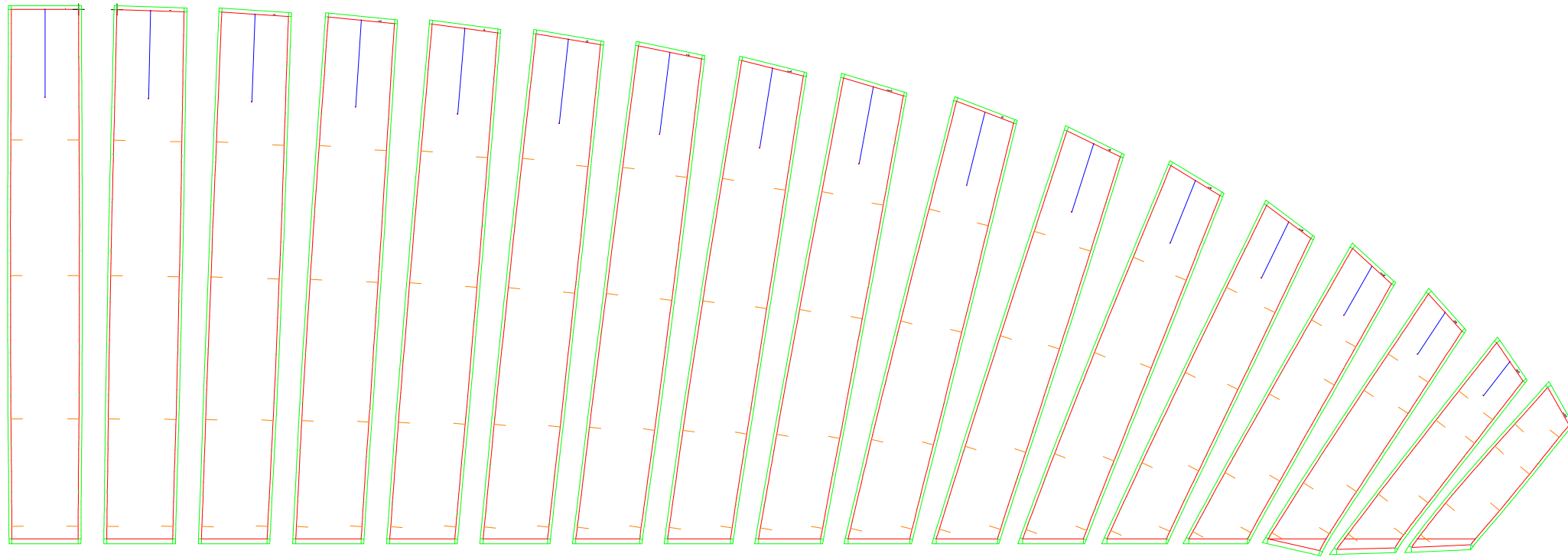
Leading edge



Trailing edge

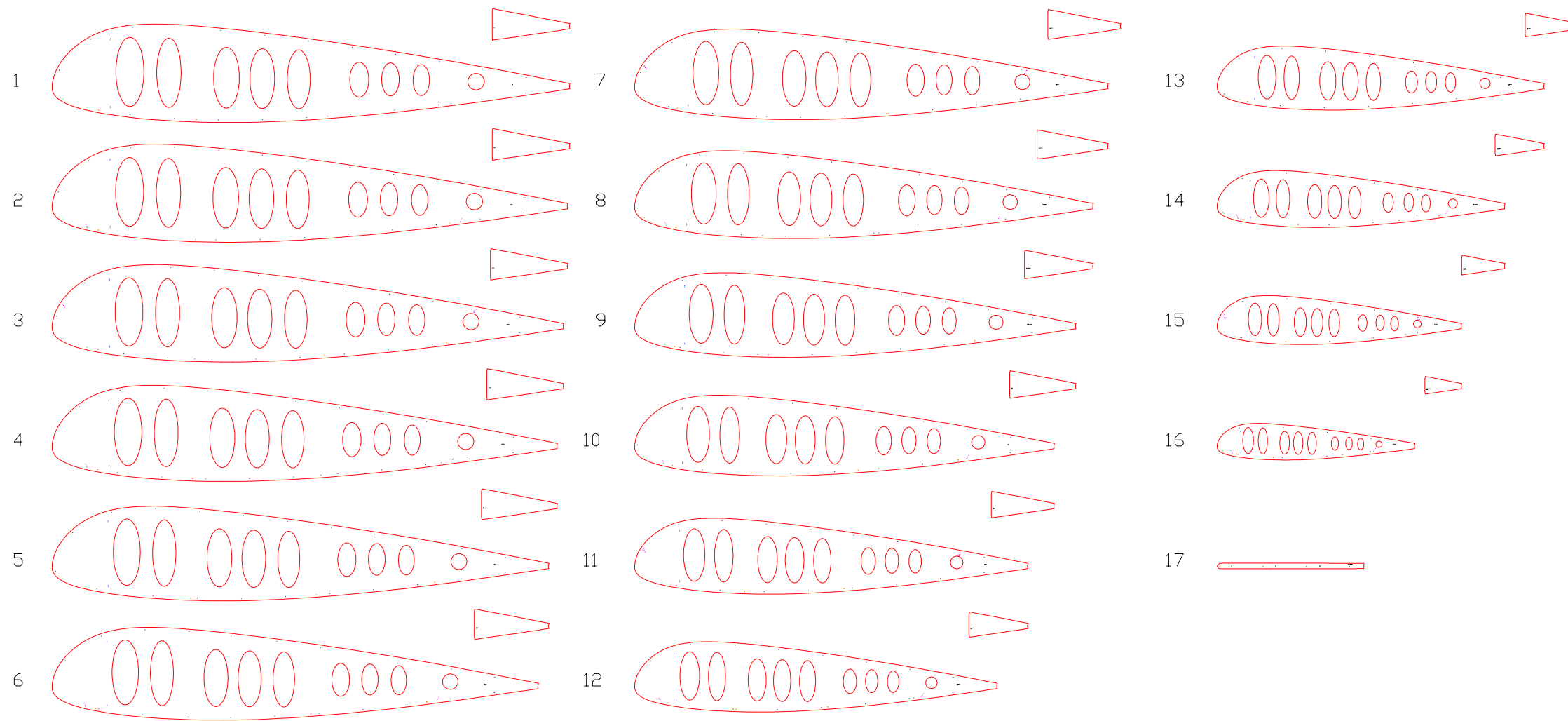
1-3 EXTRADOS PANELS

Trailing edge



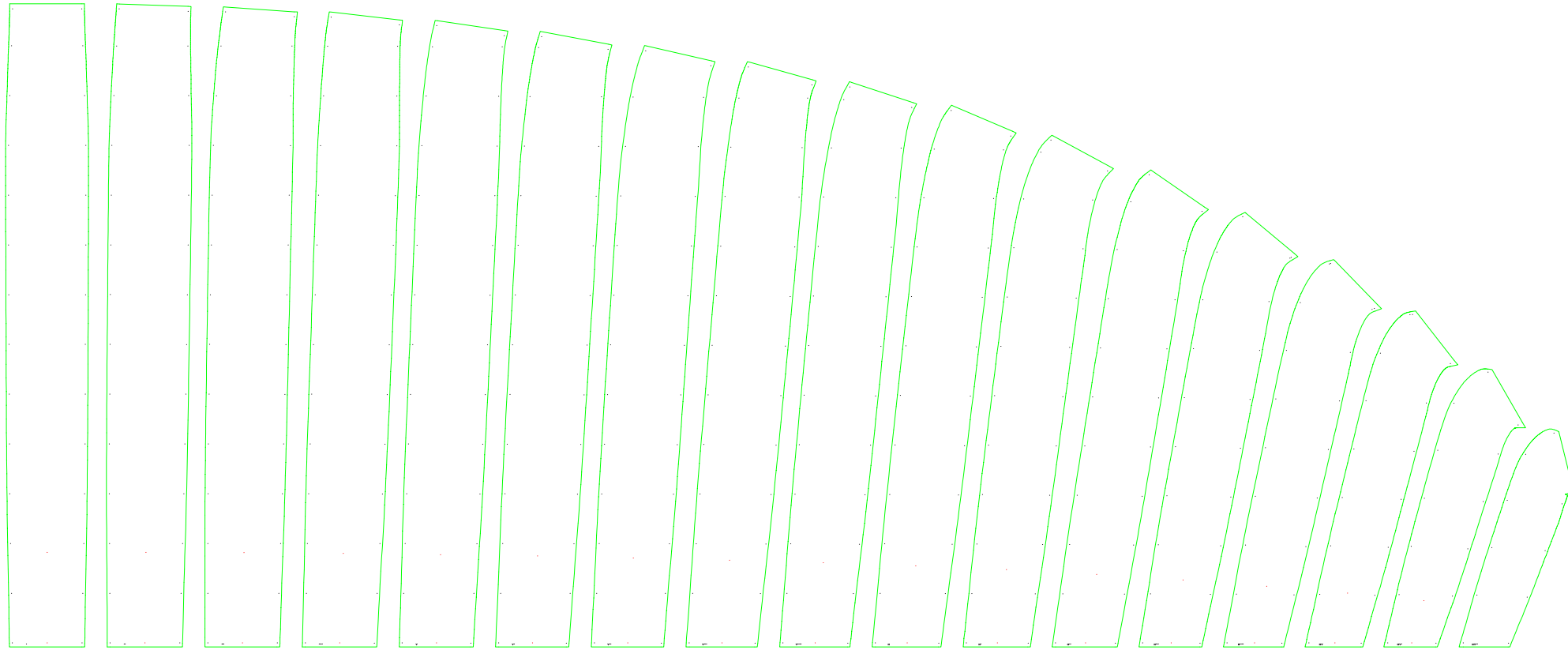
Leading edge

2-3 INTRADOS PANELS



1-4 RIBS (FOR CUTTING TABLE)

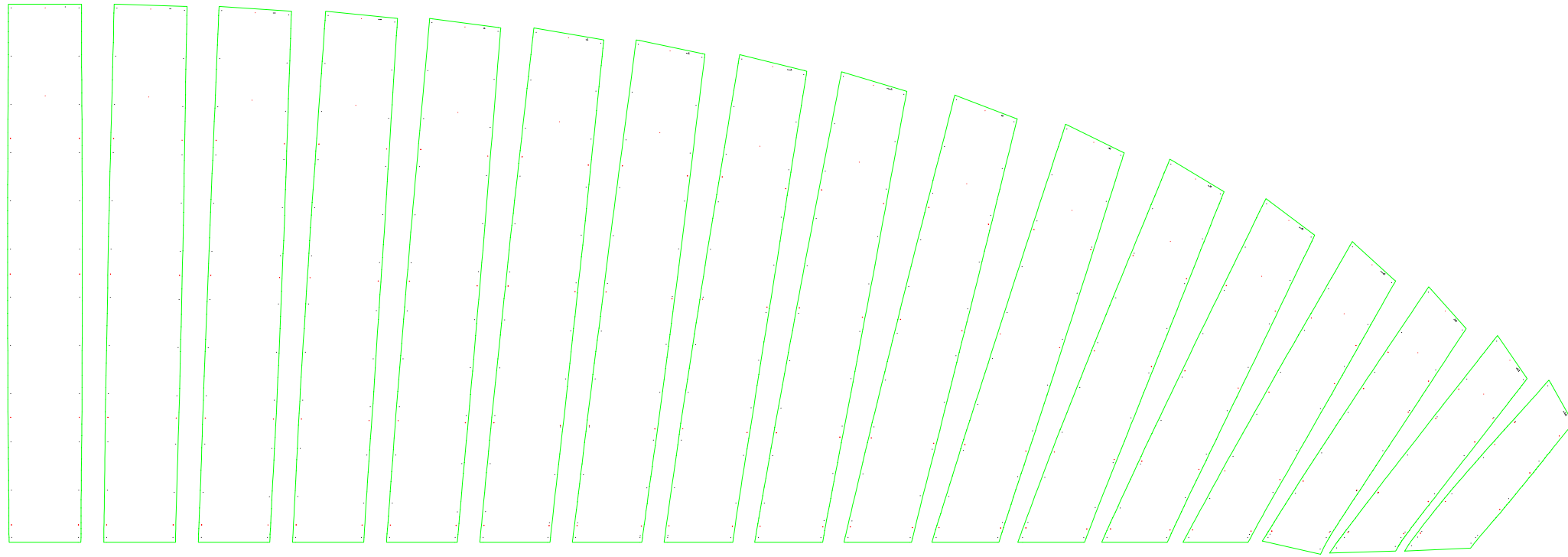
Leading edge



Trailing edge

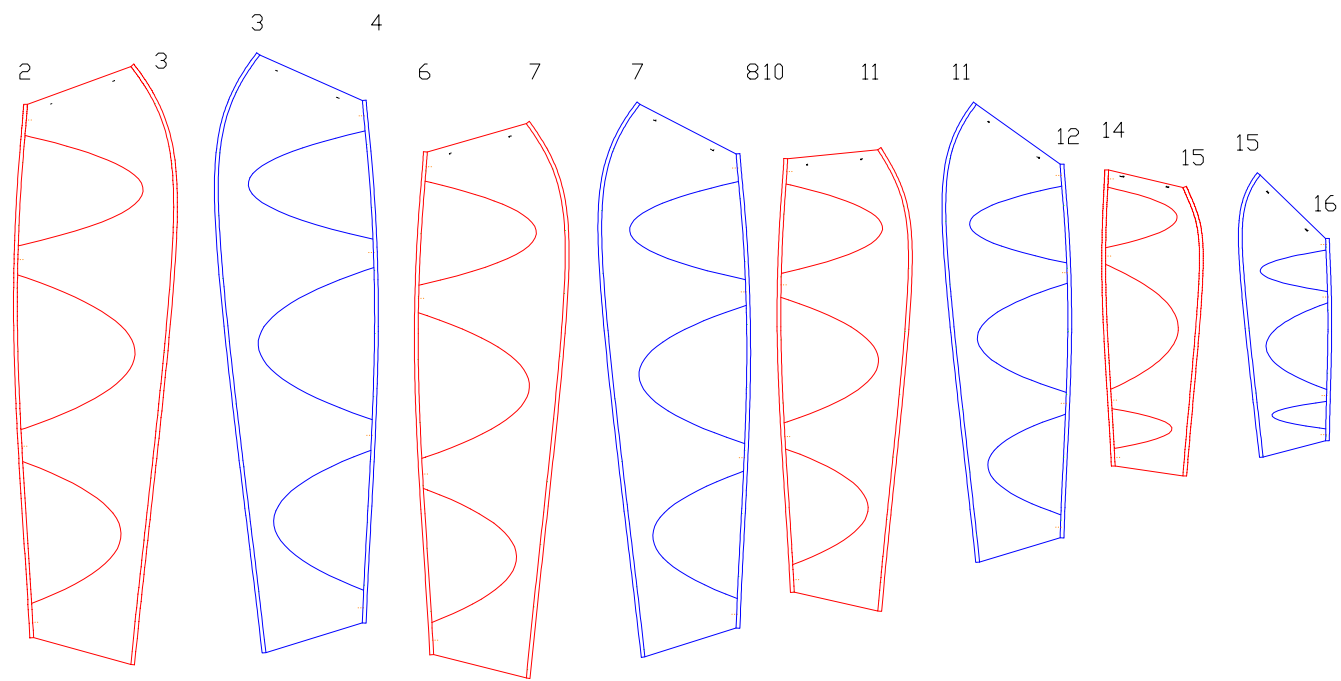
1-5 EXTRADOS PANELS (FOR CUTTING TABLE)

Trailing edge



Leading edge

2-5 INTRADOS PANELS (FOR CUTTING TABLE)



2-6 FULL DIAGONAL RIBS



List of nylon rods (bloc 1)

| | | |
|-------|----|------|
| Group | 1 | |
| Jonc | 1 | 82.5 |
| Jonc | 2 | 82.2 |
| Jonc | 3 | 81.5 |
| Jonc | 4 | 80.5 |
| Jonc | 5 | 79.2 |
| Jonc | 6 | 77.5 |
| Jonc | 7 | 75.4 |
| Jonc | 8 | 73.0 |
| Jonc | 9 | 70.3 |
| Jonc | 10 | 66.8 |
| Group | 2 | |
| Jonc | 11 | 62.6 |
| Jonc | 12 | 57.6 |
| Jonc | 13 | 52.0 |
| Jonc | 14 | 45.6 |
| Jonc | 15 | 38.7 |
| Jonc | 16 | 30.0 |

0 1

6 7 7 8

0 1

6 7 7 8

0 1

6 7 7 8

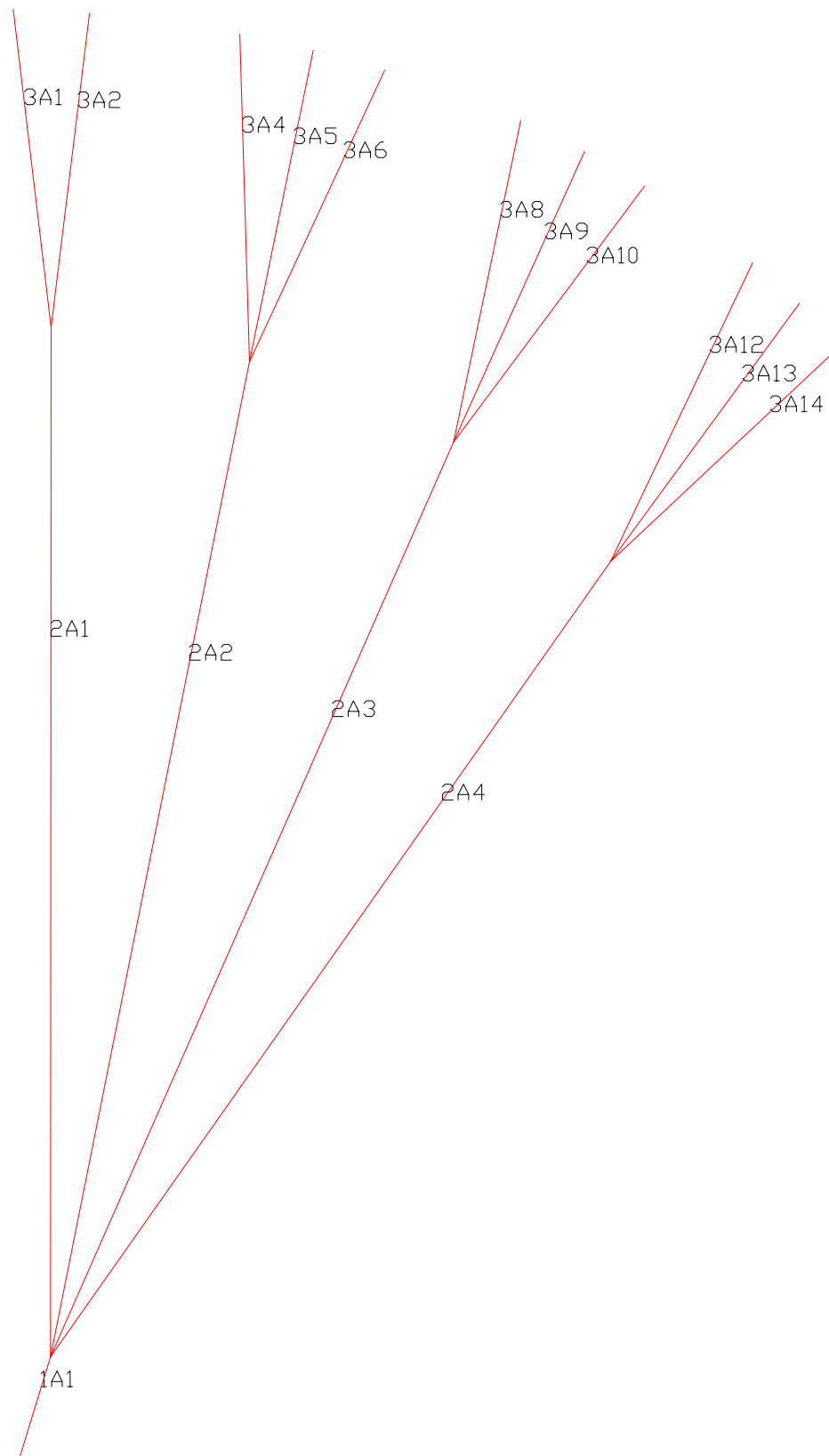
0 1

6 7 7 8

2-4 MINI-RIBS

Line - Label - Length

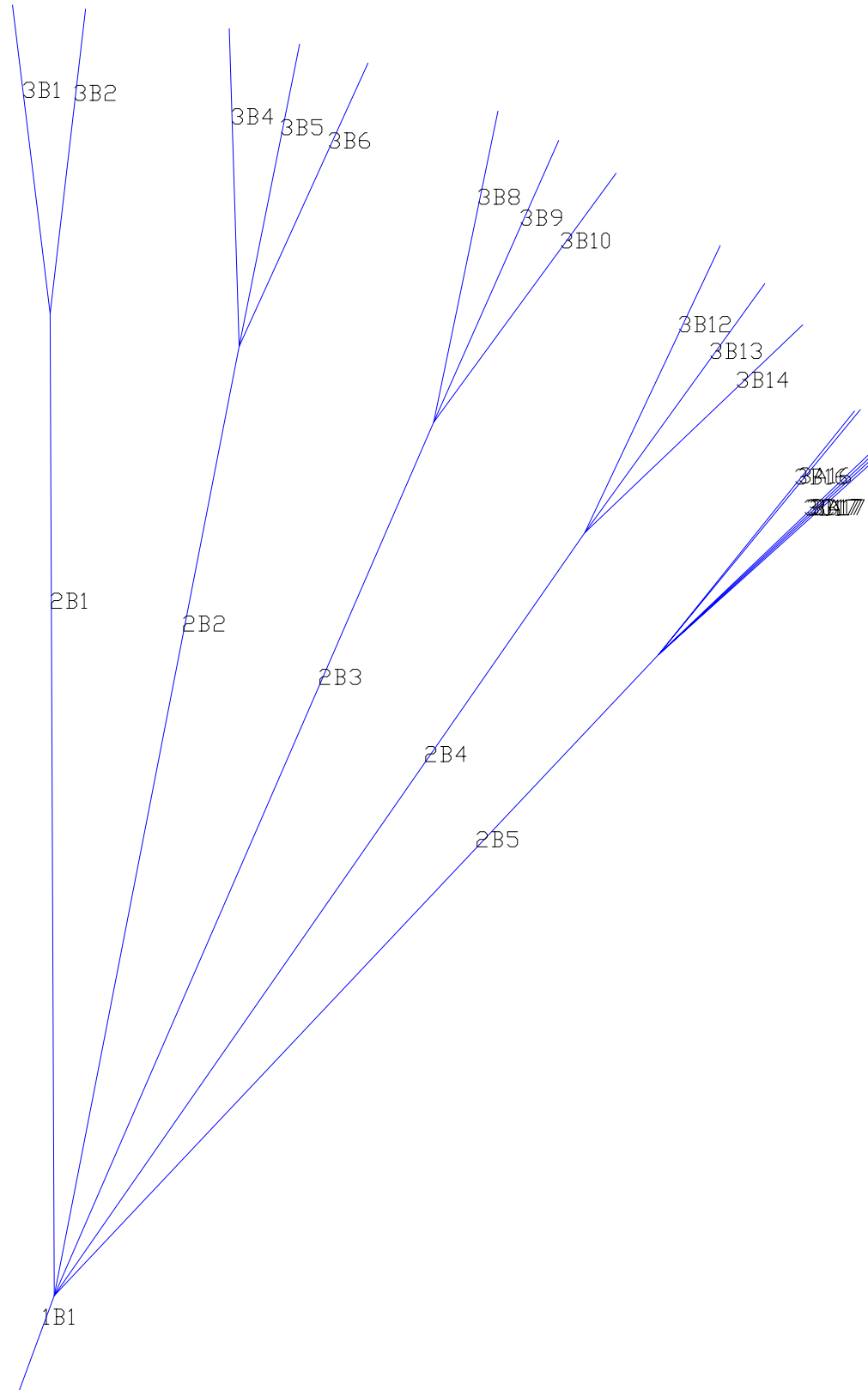
| | | |
|----|------|-------|
| 1 | 1A1 | 47.0 |
| 2 | 2A1 | 461.9 |
| 3 | 2A2 | 454.9 |
| 4 | 2A3 | 446.9 |
| 5 | 2A4 | 433.9 |
| 6 | 3A1 | 143.8 |
| 7 | 3A2 | 141.9 |
| 8 | 3A4 | 147.2 |
| 9 | 3A5 | 142.5 |
| 10 | 3A6 | 143.7 |
| 11 | 3A8 | 147.4 |
| 12 | 3A9 | 142.4 |
| 13 | 3A10 | 142.4 |
| 14 | 3A12 | 148.0 |
| 15 | 3A13 | 142.5 |
| 16 | 3A14 | 140.2 |



3-2 LINES A

Line - Label - Length

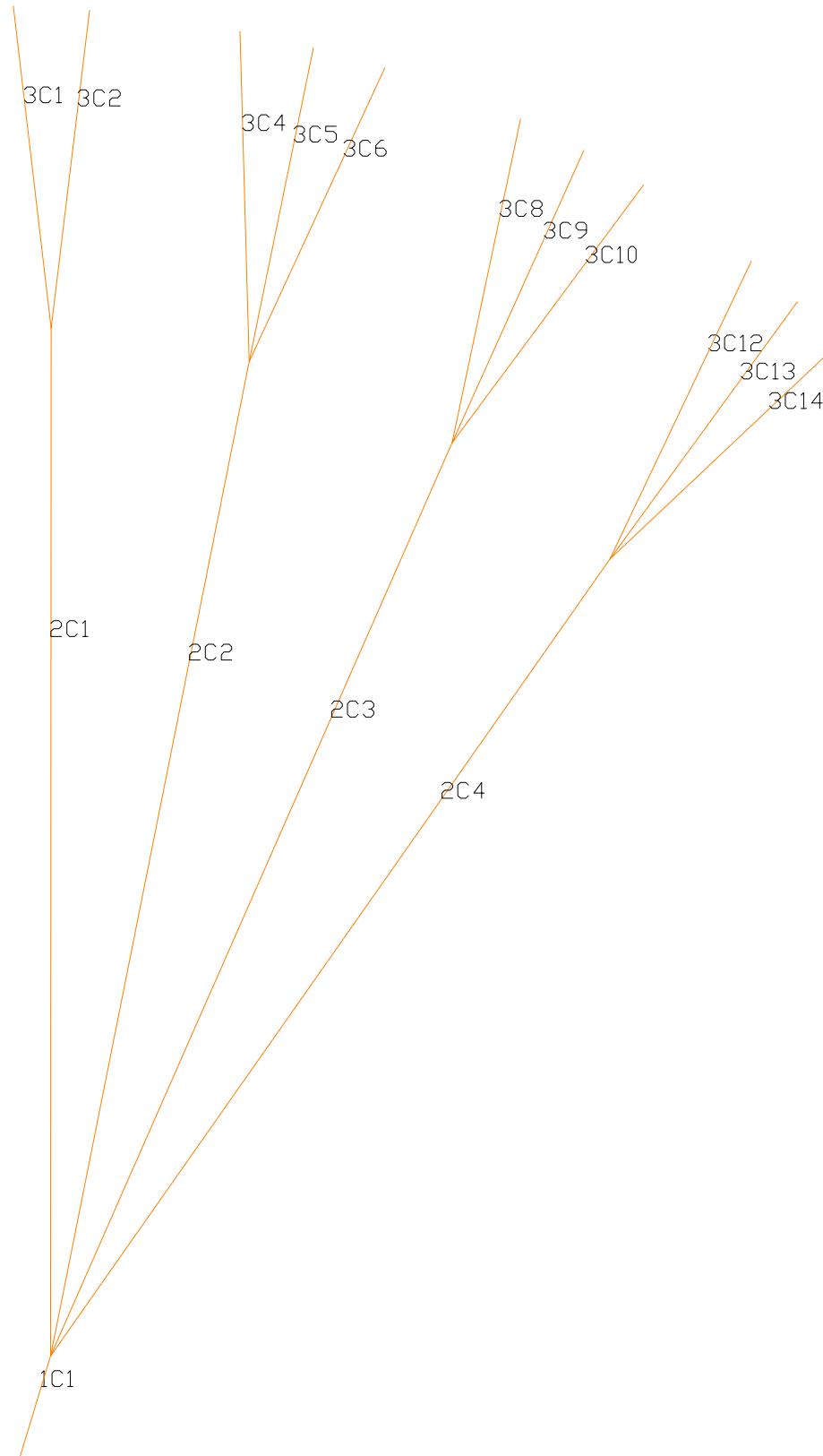
| | | |
|----|------|-------|
| 17 | 1B1 | 47.0 |
| 18 | 2B1 | 453.9 |
| 19 | 2B2 | 446.9 |
| 20 | 2B3 | 439.9 |
| 21 | 2B4 | 429.9 |
| 22 | 2B5 | 409.9 |
| 23 | 3B1 | 143.7 |
| 24 | 3B2 | 141.7 |
| 25 | 3B4 | 147.0 |
| 26 | 3B5 | 142.4 |
| 27 | 3B6 | 143.8 |
| 28 | 3B8 | 146.9 |
| 29 | 3B9 | 142.4 |
| 30 | 3B10 | 142.8 |
| 31 | 3B12 | 146.7 |
| 32 | 3B13 | 142.1 |
| 33 | 3B14 | 140.2 |
| 34 | 3A17 | 138.1 |
| 35 | 3B17 | 139.5 |
| 36 | 3C17 | 145.2 |
| 37 | 3D17 | 154.6 |
| 38 | 3A16 | 147.0 |
| 39 | 3B16 | 145.2 |



3-3 LINES B

Line - Label - Length

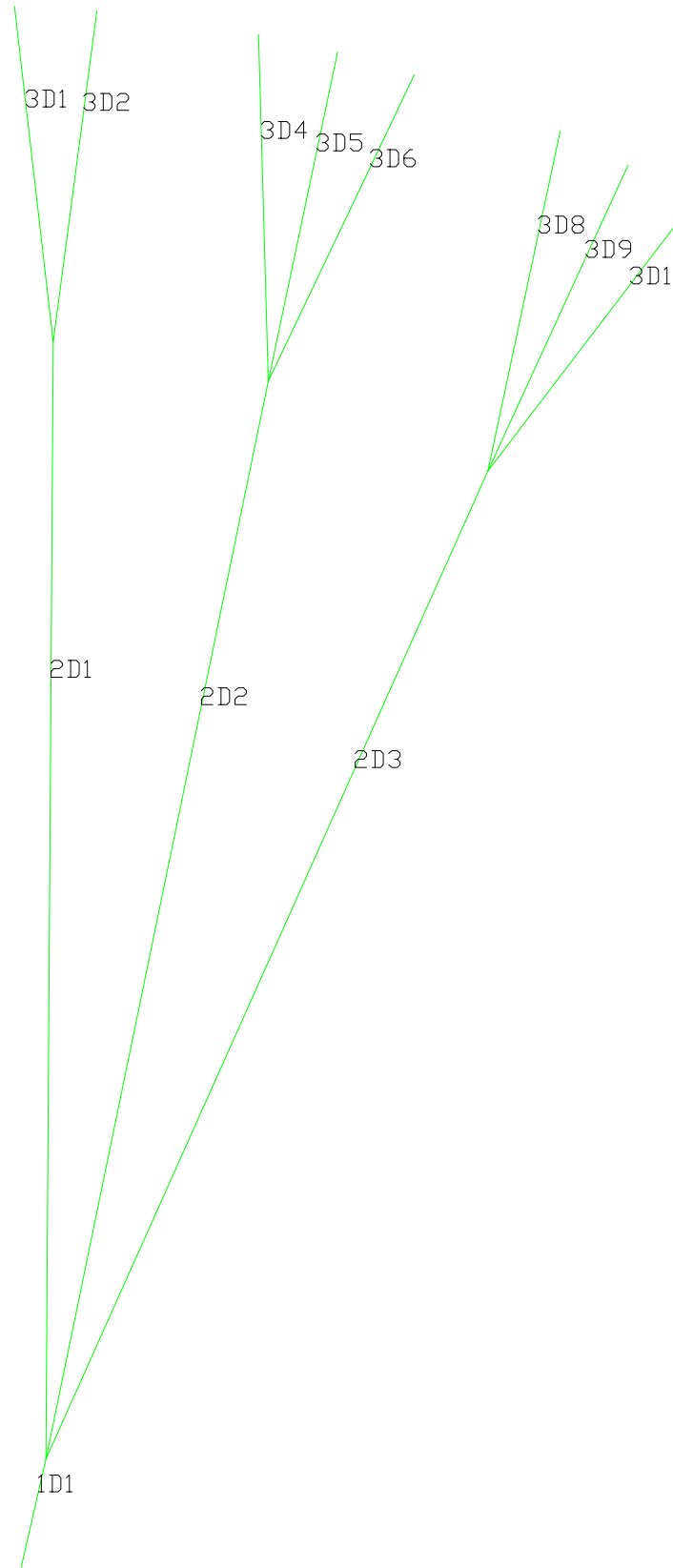
| | | |
|----|------|-------|
| 40 | 1C1 | 47.0 |
| 41 | 2C1 | 456.9 |
| 42 | 2C2 | 450.9 |
| 43 | 2C3 | 443.9 |
| 44 | 2C4 | 434.9 |
| 45 | 3C1 | 144.1 |
| 46 | 3C2 | 142.2 |
| 47 | 3C4 | 146.8 |
| 48 | 3C5 | 142.4 |
| 49 | 3C6 | 143.9 |
| 50 | 3C8 | 147.2 |
| 51 | 3C9 | 142.8 |
| 52 | 3C10 | 143.2 |
| 53 | 3C12 | 146.2 |
| 54 | 3C13 | 141.7 |
| 55 | 3C14 | 143.2 |



3-4 LINES C

Line - Label - Length

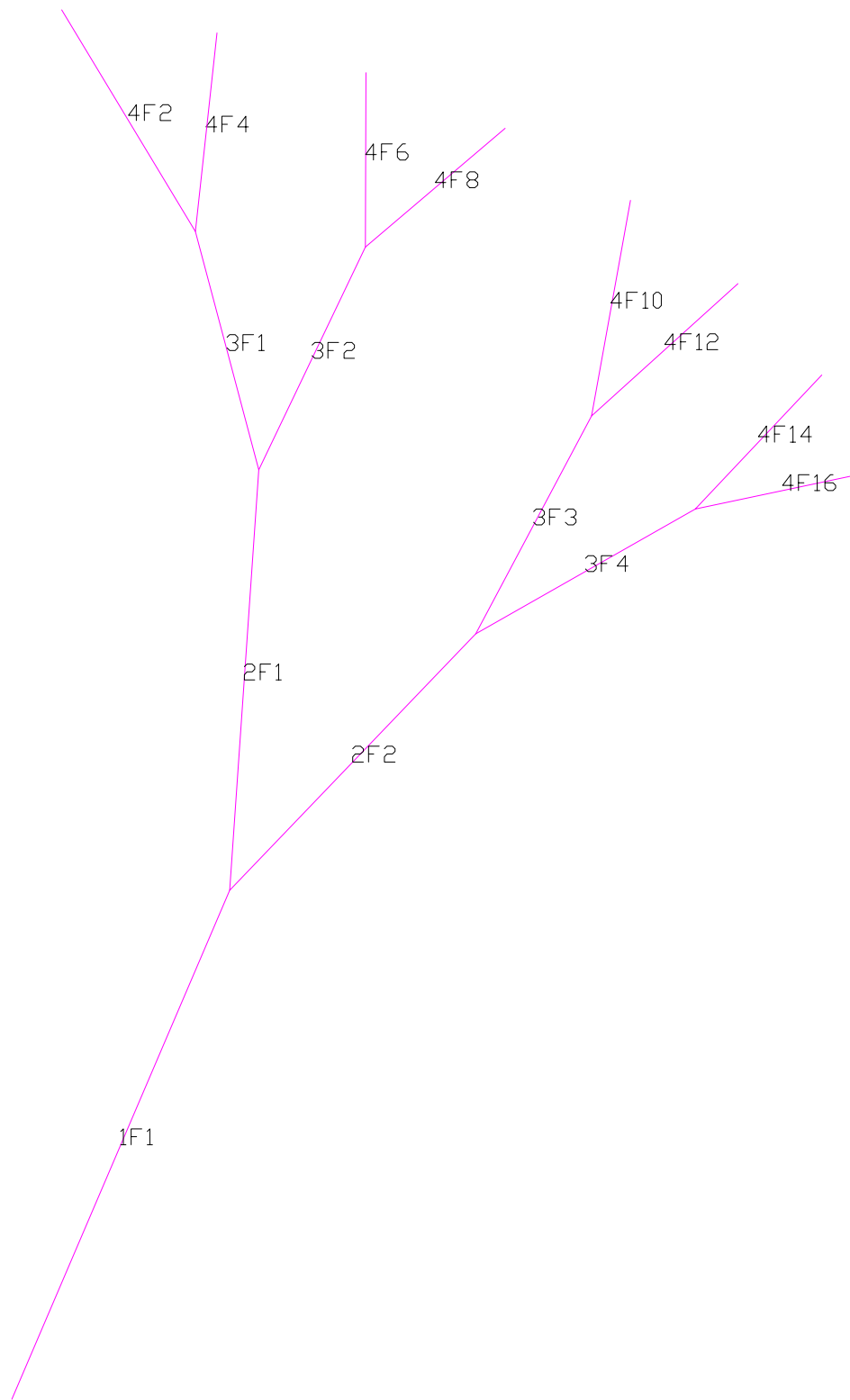
| | | |
|----|------|-------|
| 56 | 1D1 | 47.0 |
| 57 | 2D1 | 474.0 |
| 58 | 2D2 | 467.0 |
| 59 | 2D3 | 459.0 |
| 60 | 3D1 | 143.3 |
| 61 | 3D2 | 141.6 |
| 62 | 3D4 | 147.1 |
| 63 | 3D5 | 142.5 |
| 64 | 3D6 | 143.8 |
| 65 | 3D8 | 147.4 |
| 66 | 3D9 | 142.4 |
| 67 | 3D10 | 142.2 |



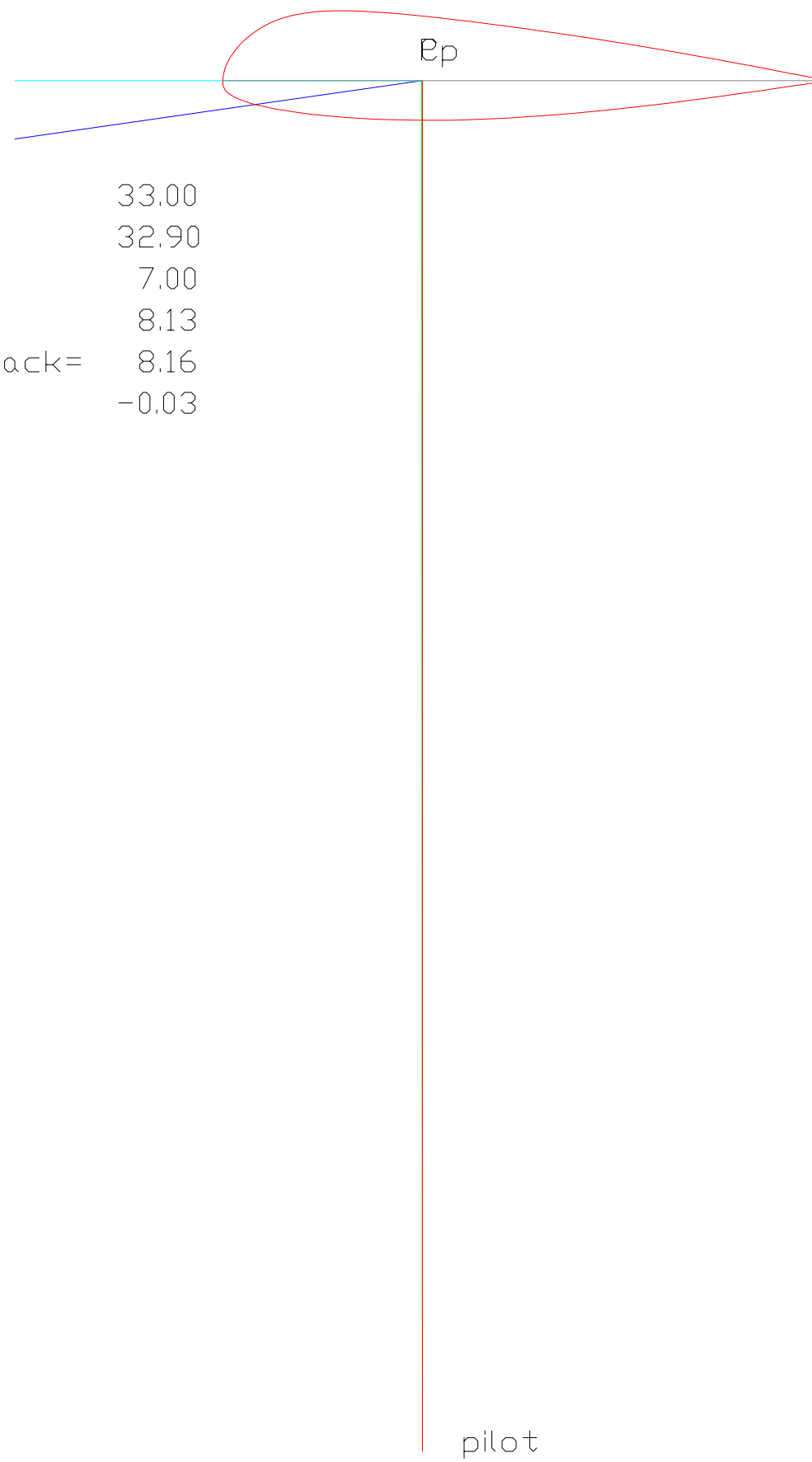
3-5 LINES D

Line - Label - Length

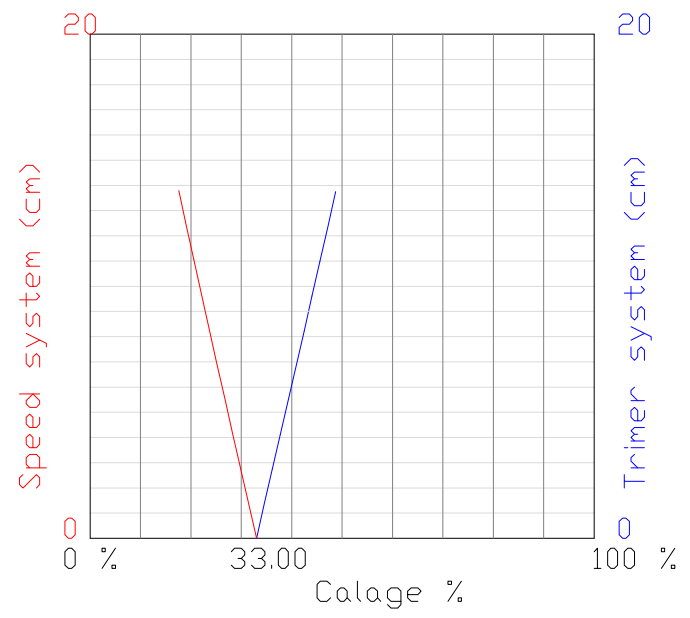
| | | |
|----|------|-------|
| 68 | 1F1 | 254.0 |
| 69 | 2F1 | 194.0 |
| 70 | 2F2 | 161.0 |
| 71 | 3F1 | 113.0 |
| 72 | 3F2 | 113.0 |
| 73 | 3F3 | 113.0 |
| 74 | 3F4 | 113.0 |
| 75 | 4F2 | 117.4 |
| 76 | 4F4 | 91.8 |
| 77 | 4F6 | 80.1 |
| 78 | 4F8 | 82.6 |
| 79 | 4F10 | 100.8 |
| 80 | 4F12 | 89.2 |
| 81 | 4F14 | 83.6 |
| 82 | 4F16 | 78.9 |

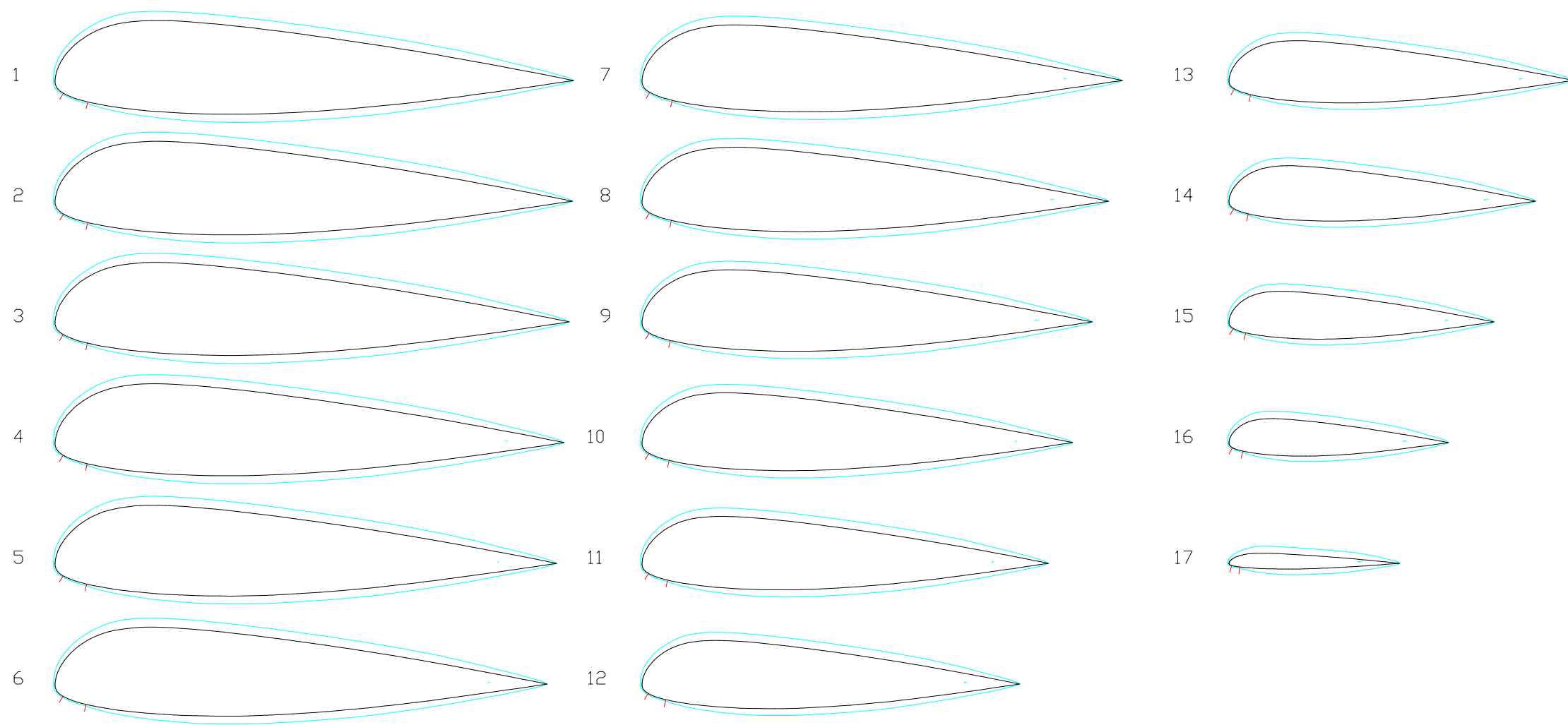


4-5 BRAKES

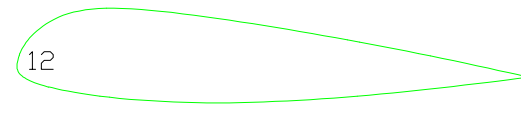
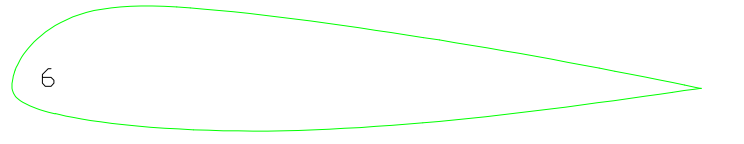
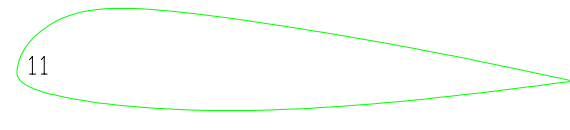
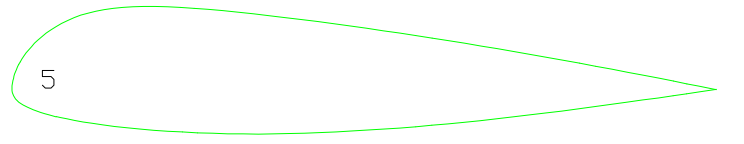
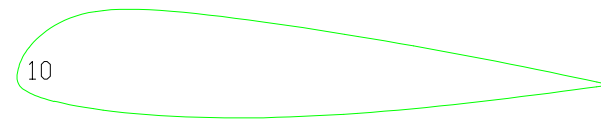
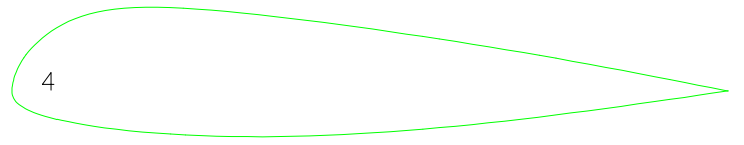
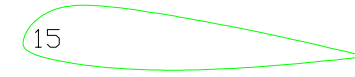
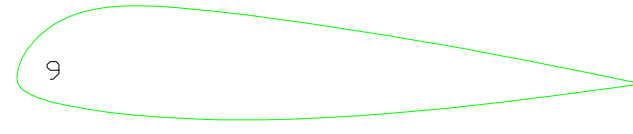
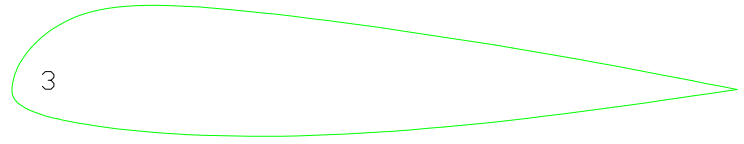
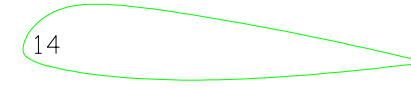
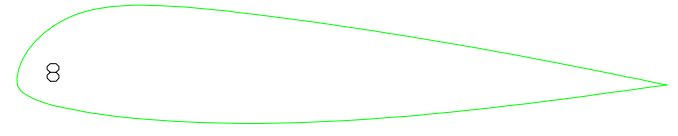
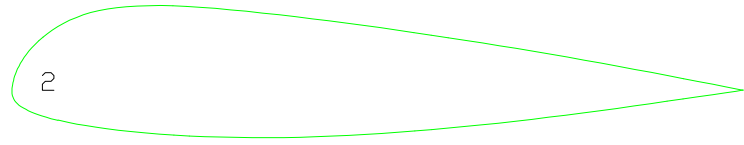
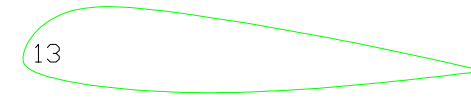
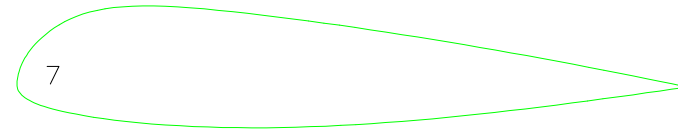
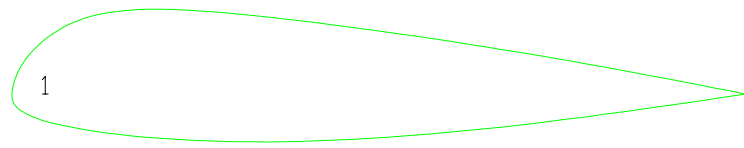


calage= 33.00
 plumb point= 32.90
 glide ratio= 7.00
 glide angle= 8.13
 angle of attack= 8.16
 assiette= -0.03

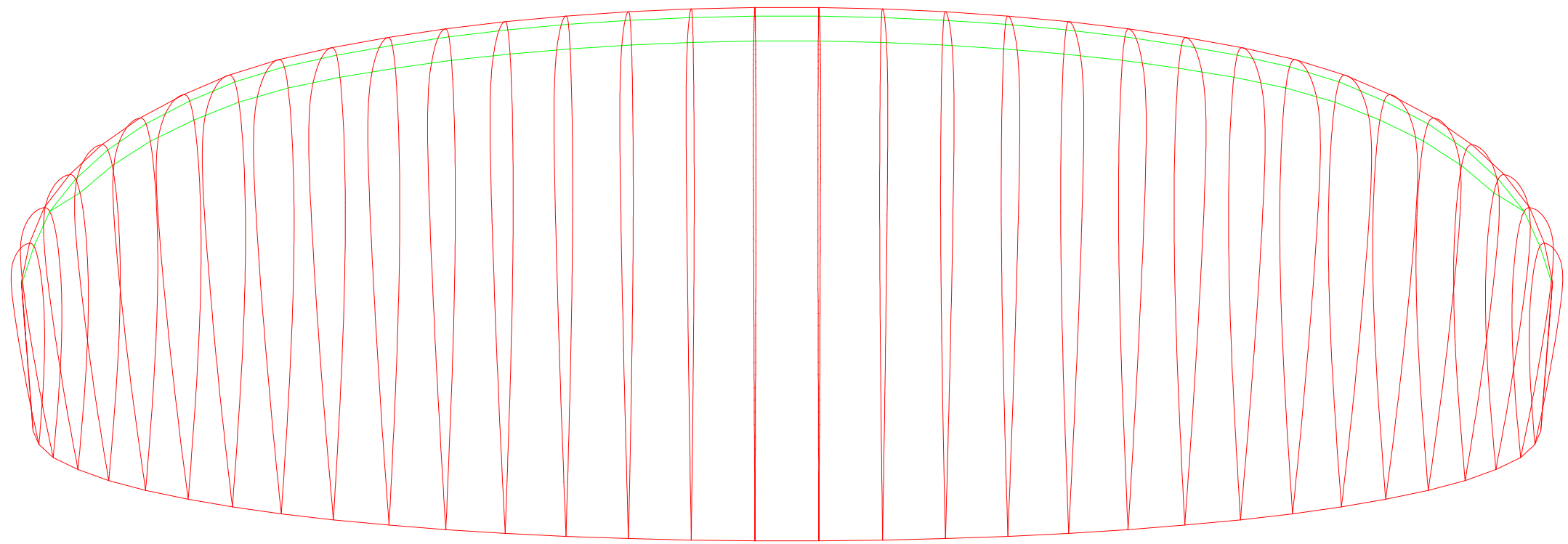




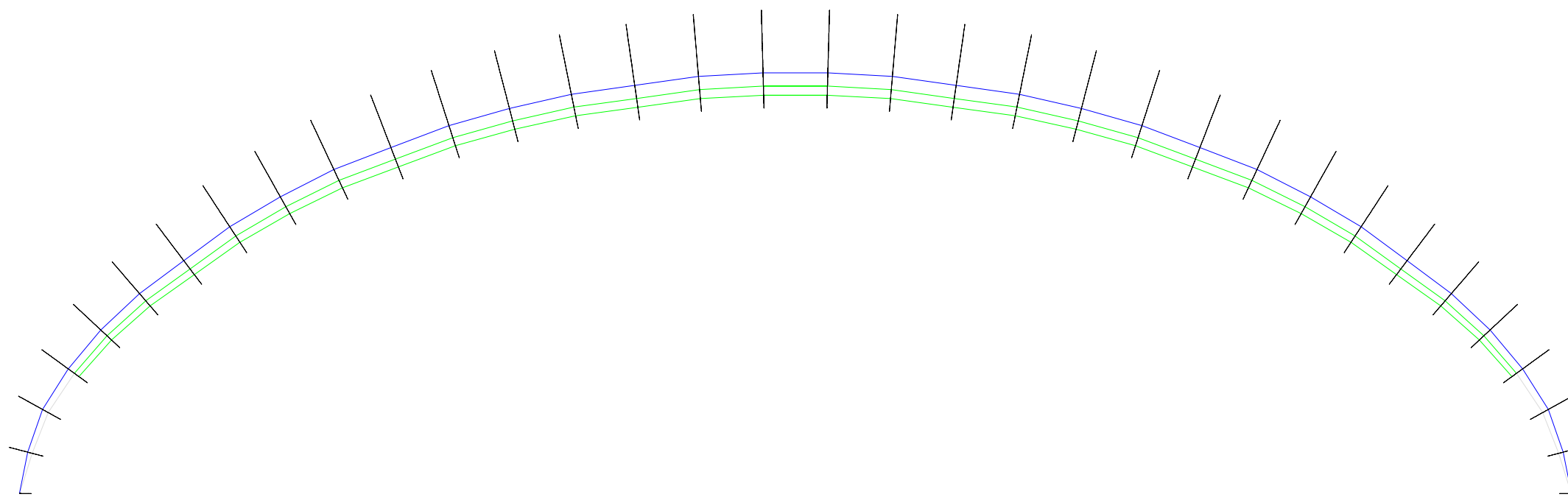
1-8 MIDDLE AND MIDDLE OVALIZED AIRFOILS



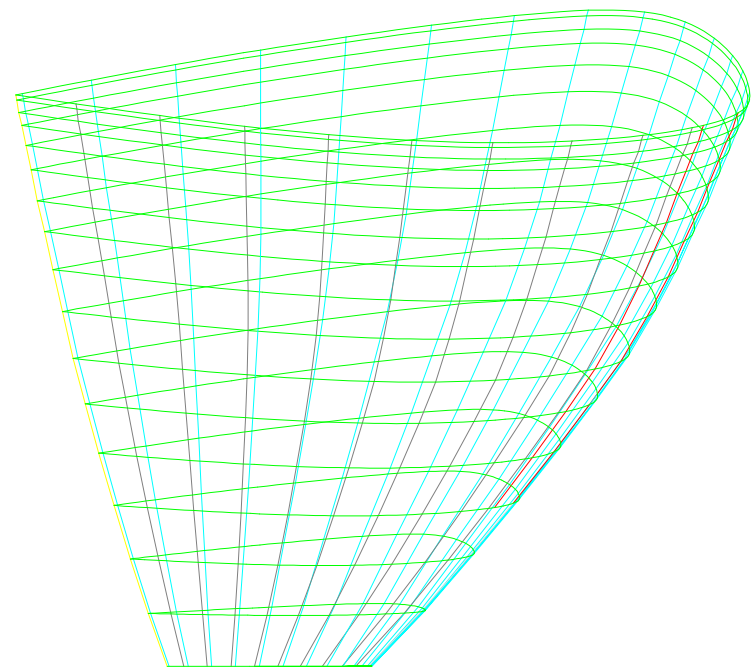
2-2 RIBS WASHIN ANGLE



3-1 UPPER VIEW



4-1 VAULT VIEW



4-2 LATERAL VIEW

PLANS GENERAL NOTES

- 1-1: Planform and vault view (informative)
- 1-2: Ribs for plotter, one side
- 1-3: Extradados panels for plotter, one side
- 1-4: Ribs for laser cutting, one side. Units cm
- 1-5: Extradados for laser cutting, one side. Units cm
- 1-6: Middle unloaded ribs for laser cutting, one side Units cm
- 1-7: Rods pockets and nylons lengths, mylars
- 1-8: Intermediate and ovalized airfoils

- 2-1: Calage estimation, speed and trim systems
- 2-2: Ribs printed with washin angle (informative)
- 2-3: Intrados panels for plotter, one side
- 2-4: Mini-ribs horizontal and diagonal
- 2-5: Intrados for laser cutting, one side
- 2-6: Full diagonal ribs laser, one side
- 2-7: Free

- 3-1: Upper view 3D (informative)
- 3-2: Lines A
- 3-3: Lines B
- 3-4: Lines C
- 3-5: Lines D
- 3-6: V-rib type-6
- 3-7: Free

- 4-1: Vault view (informative)
- 4-2: Lateral view (informative)
- 4-3: Brake distribution (informative)
- 4-4: Free
- 4-5: Brake lines
- 4-6: Free
- 4-7: General notes

UNITS

Main units are centimeters. Scale x10 to use in mm

WIDTHS FOR SEWING AND OFFSETS

- Lateral width in extradados (mm): 15.00
- Width in leading edge ex (mm): 25.00
- Width in trailing edge ex (mm): 20.00
- Lateral width in intrados (mm): 15.00
- Width in leading edge in (mm): 25.00
- Width in trailing edge in (mm): 20.00
- Lateral width in ribs (mm): 15.00
- Lateral width in V-ribs (mm): 15.00
- General offset lateral points (mm): 1.20

- Distance between equidistant points (cm): 25.00

"ROMAN" NUMBERS CODIFICATION Numbering panels, ribs, mini-ribs, V-ribs

- Number 1 =
- Number 2 =
- Number 3 =
- Number 4 =
- Number 5 =
- Number 6 =
- Number 7 =
- Number 8 =
- Number 9 =
- Number 10 =
- Number 11 =
- Number 12 =
- Number 13 =
- Number 14 =
- Number 15 =
- Number 16 =
- Number 17 =