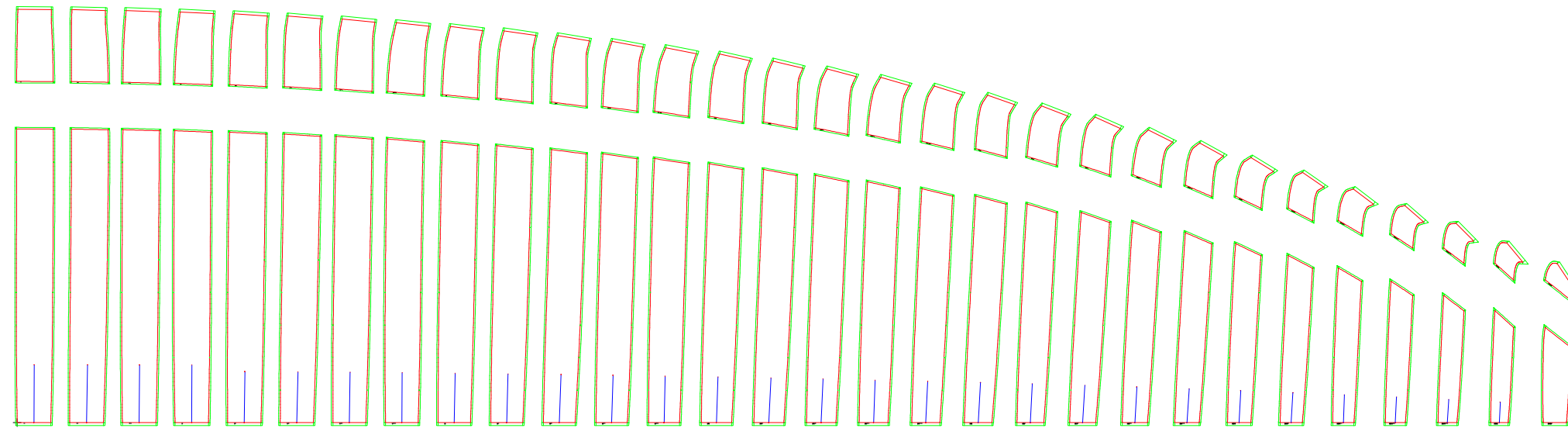


Laboratori d'envol gnuC-27
Flat area (m²) : 27.00
Flat span (m) : 12.99
Flat aspect ratio : 6.25
Cells number : 60
Version: 20211010

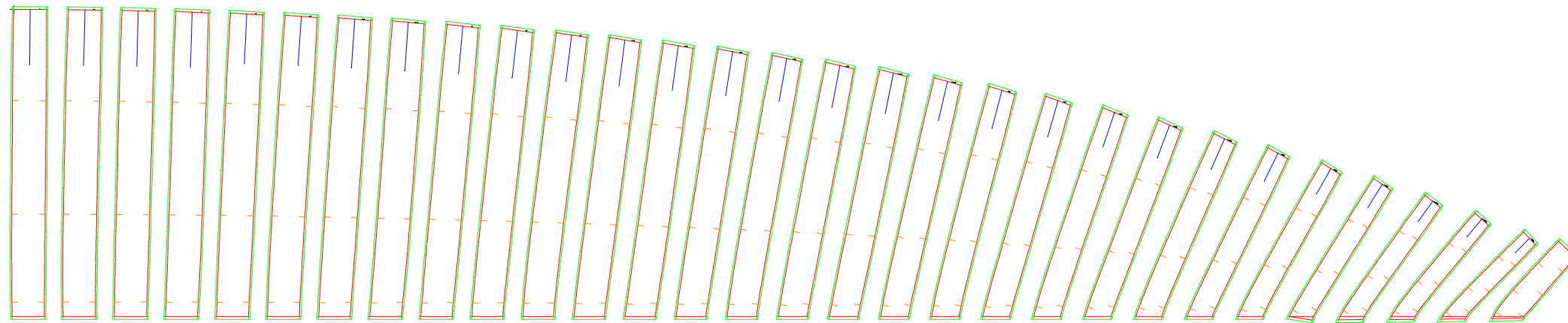
Leading edge



Trailing edge

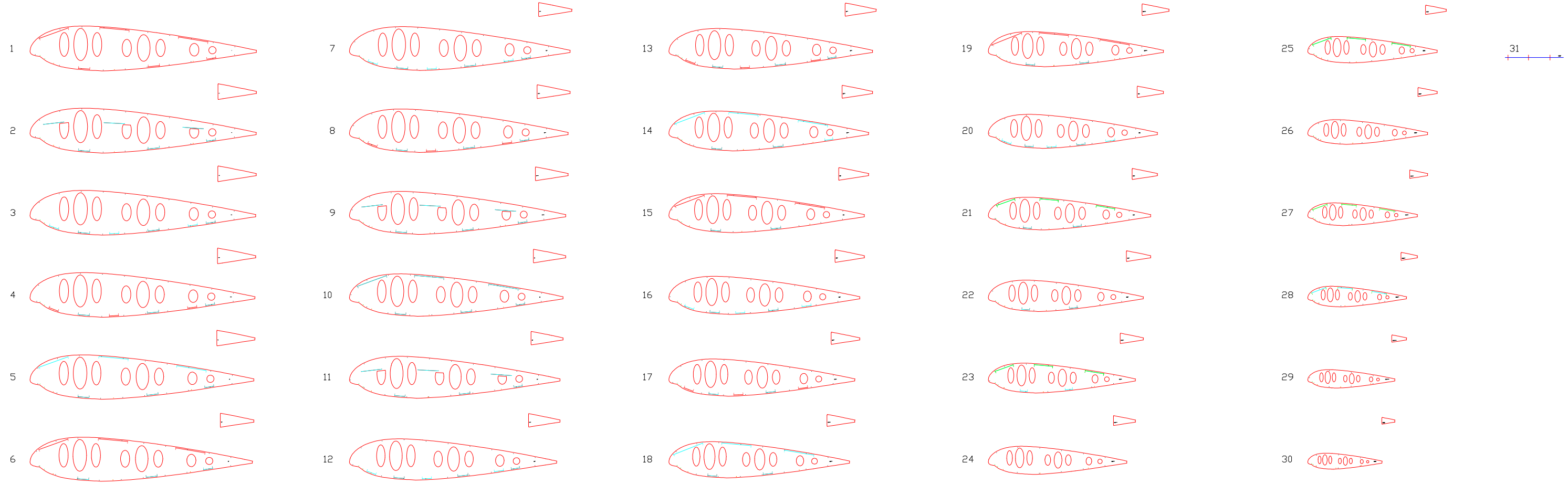
1-3 EXTRADOS PANELS

Trailing edge



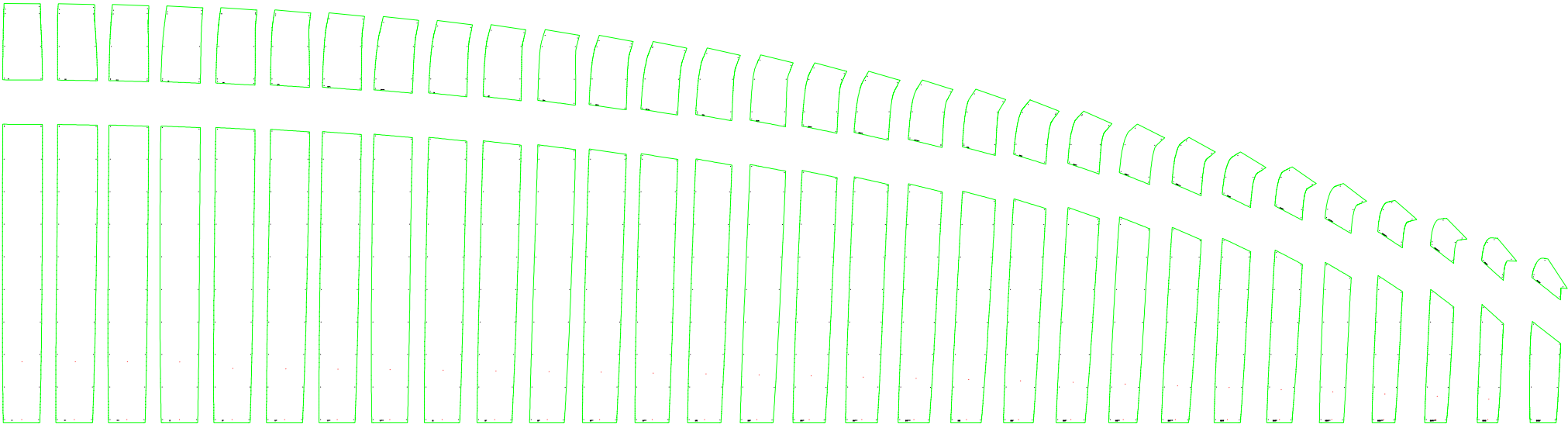
Leading edge

2-3 INTRADOS PANELS



Note: Remove all rib reference segments before laser cutting (!)

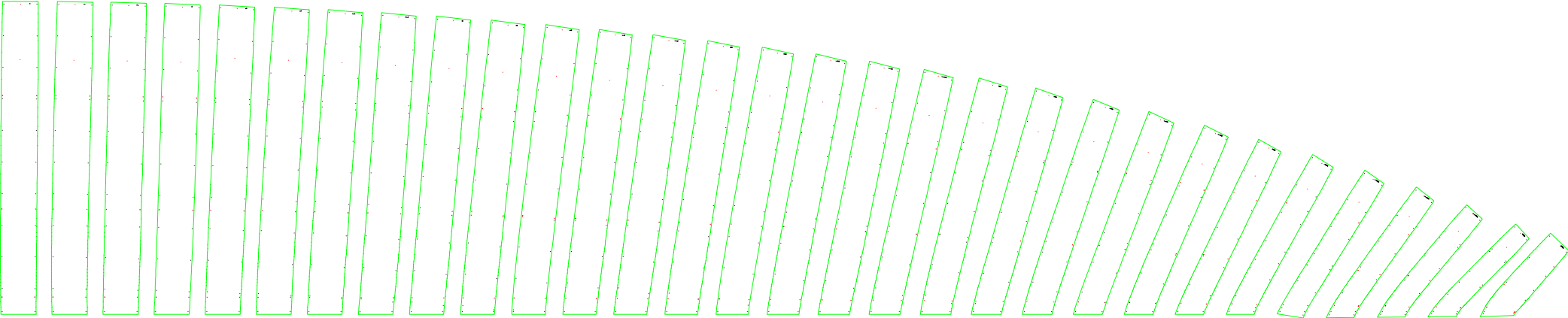
Leading edge



Trailing edge

1-5 EXTRADOS PANELS (FOR CUTTING TABLE)

Trailing edge



Leading edge

2-5 INTRADOS PANELS (FOR CUTTING TABLE)

1

2

2

3

1

2

2

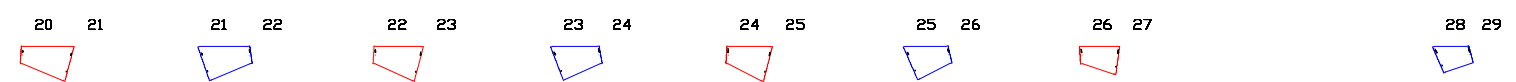
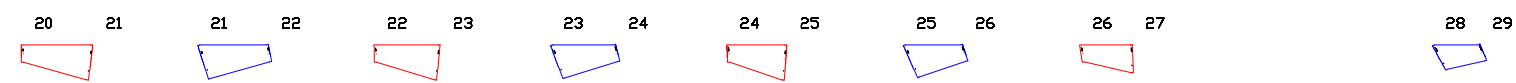
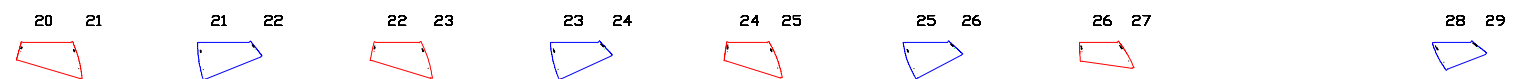
3

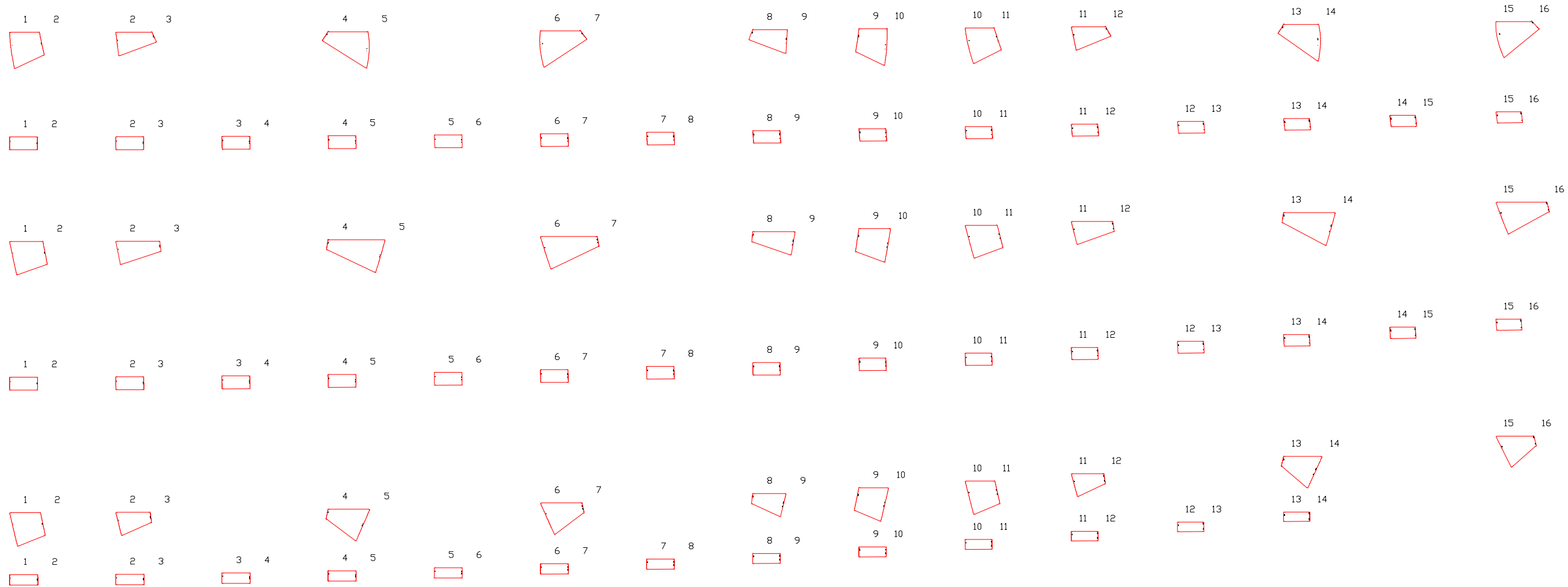
1

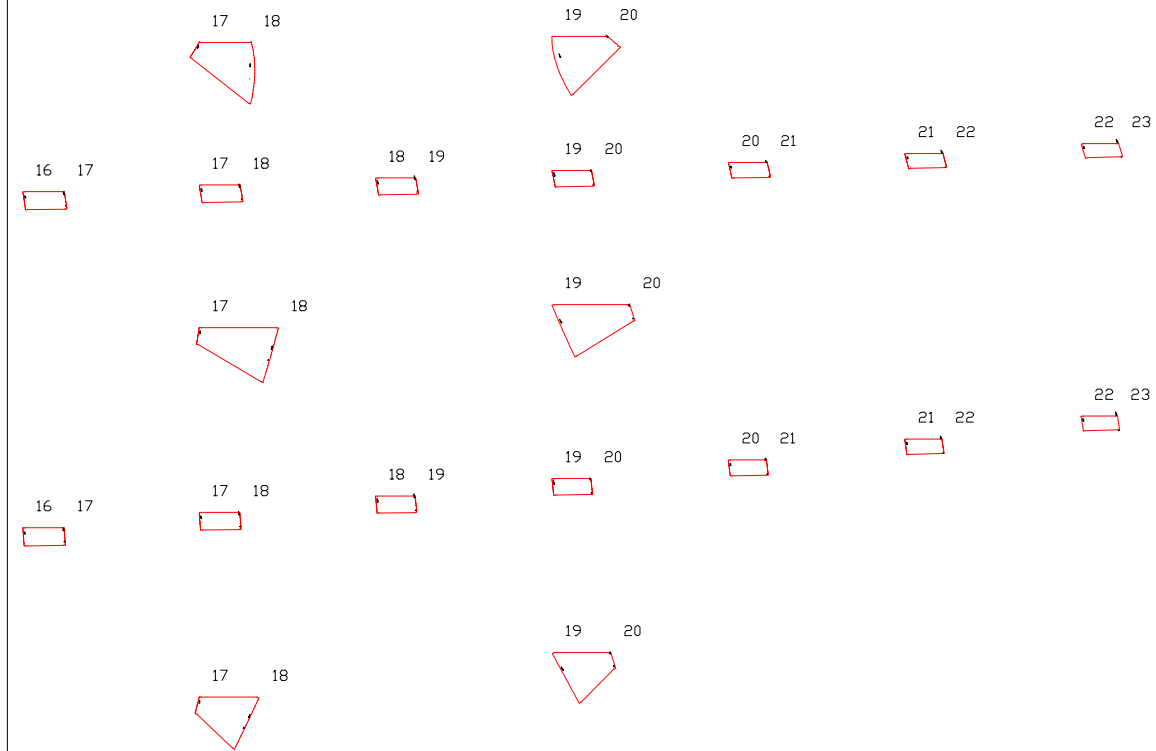
2

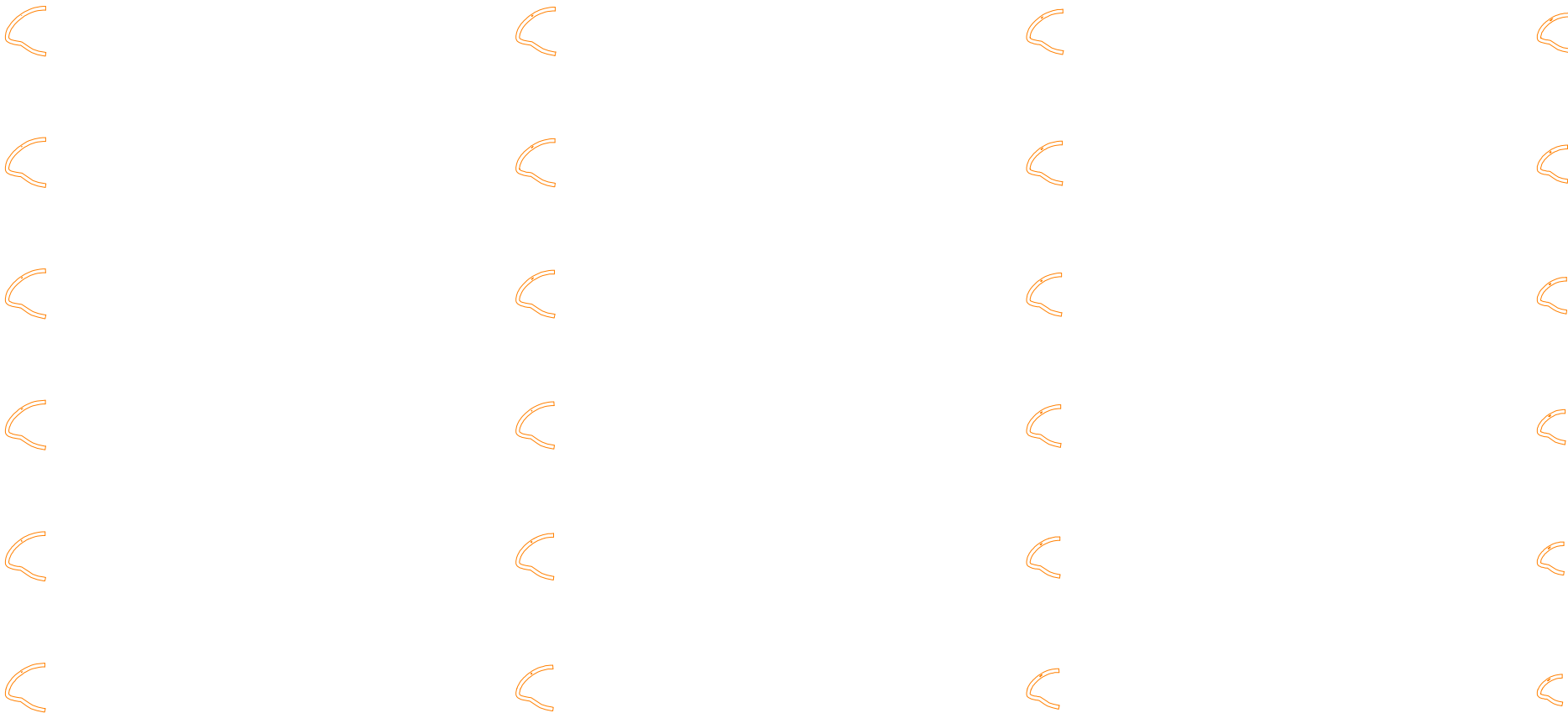
2

3







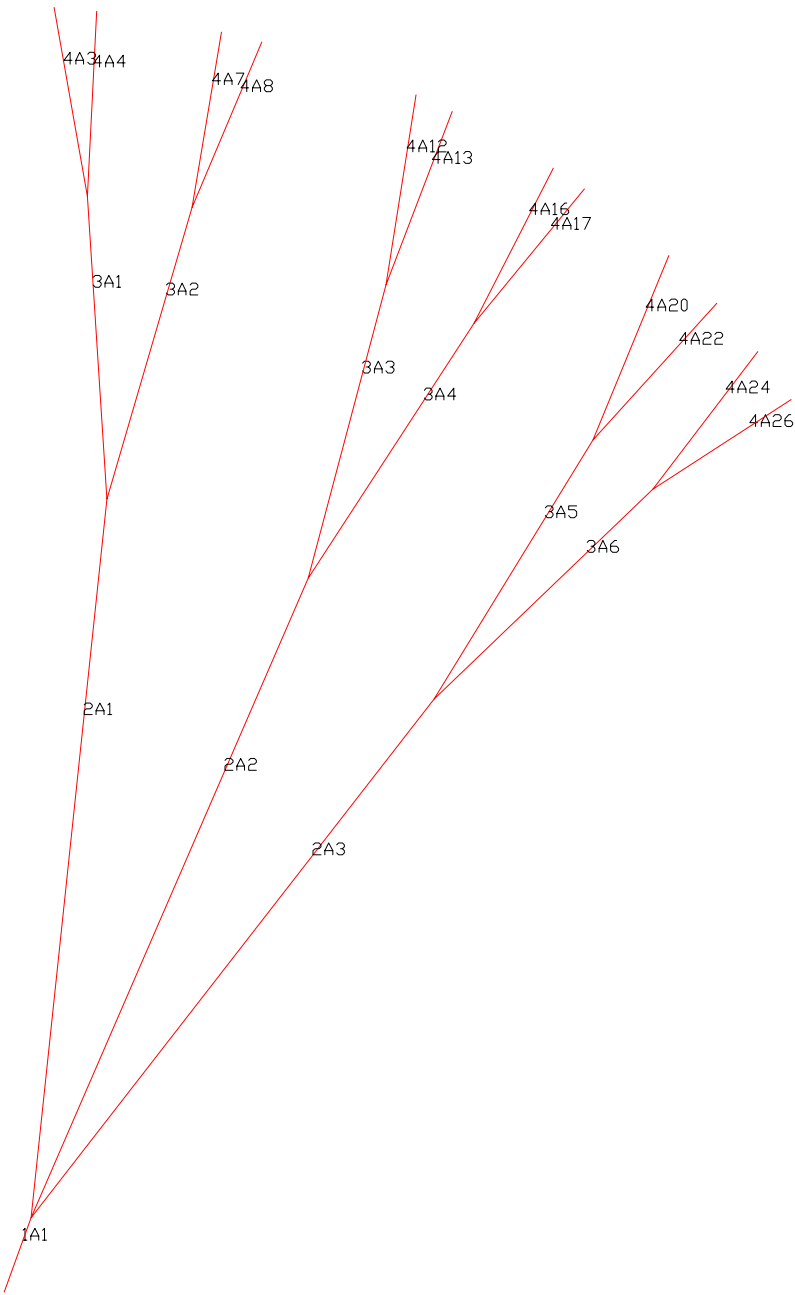


List of nylon rods (bloc 1)

Group	1	
Jonc	1	69.0
Jonc	2	69.0
Jonc	3	68.8
Jonc	4	68.6
Jonc	5	68.2
Jonc	6	67.8
Jonc	7	67.3
Jonc	8	66.6
Jonc	9	65.9
Jonc	10	65.1
Jonc	11	64.2
Jonc	12	63.2
Jonc	13	62.0
Jonc	14	60.8
Jonc	15	59.5
Jonc	16	58.1
Jonc	17	56.6
Jonc	18	55.0
Jonc	19	53.3
Jonc	20	51.4
Jonc	21	49.4
Jonc	22	47.1
Jonc	23	44.7
Jonc	24	42.1
Jonc	25	39.3
Group	2	
Jonc	26	36.4
Jonc	27	33.2
Jonc	28	29.9
Jonc	29	26.3
Jonc	30	22.4

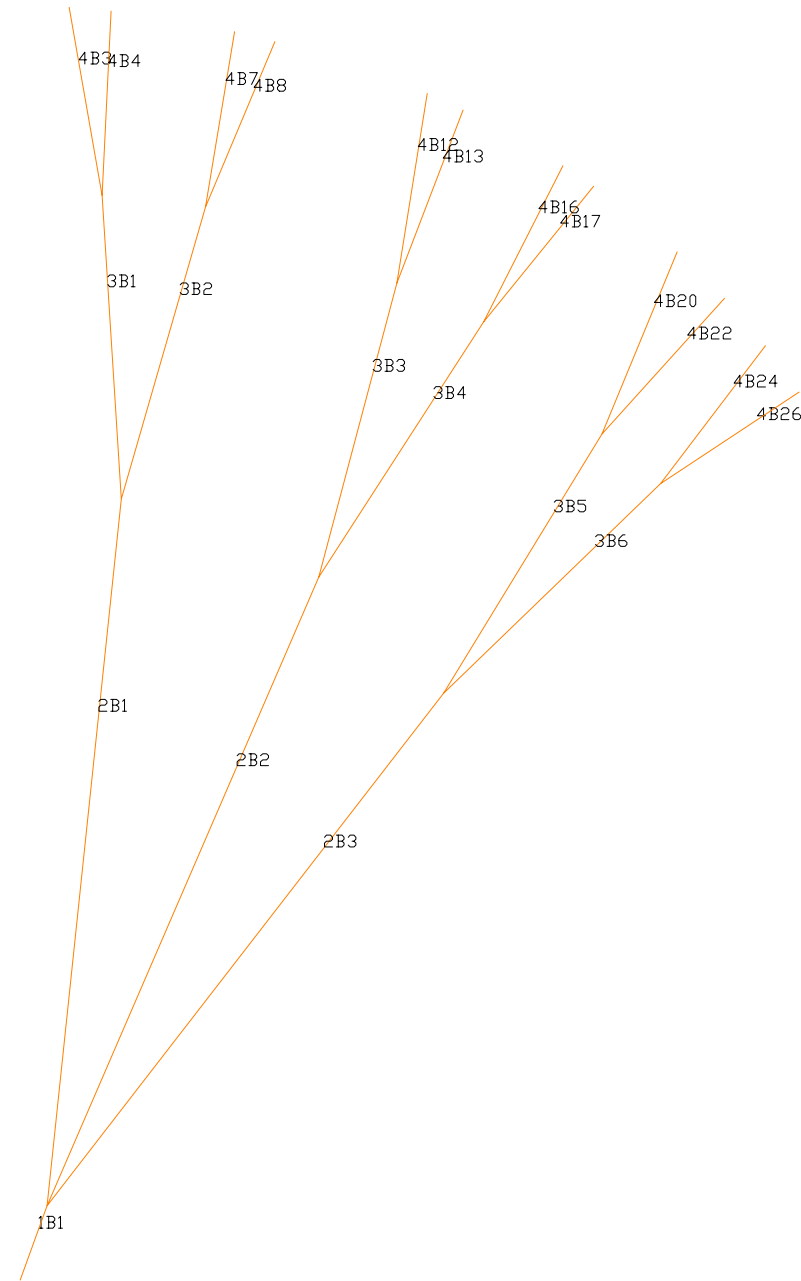
Line - Label - Length

1	1A1	47.0
2	2A1	430.9
3	2A2	414.9
4	2A3	390.9
5	3A1	180.9
6	3A2	180.9
7	3A3	180.9
8	3A4	180.9
9	3A5	181.0
10	3A6	181.0
11	4A3	114.4
12	4A4	110.4
13	4A7	106.0
14	4A8	107.0
15	4A12	114.8
16	4A13	110.6
17	4A16	103.9
18	4A17	103.6
19	4A20	118.8
20	4A22	109.8
21	4A24	103.0
22	4A26	99.6



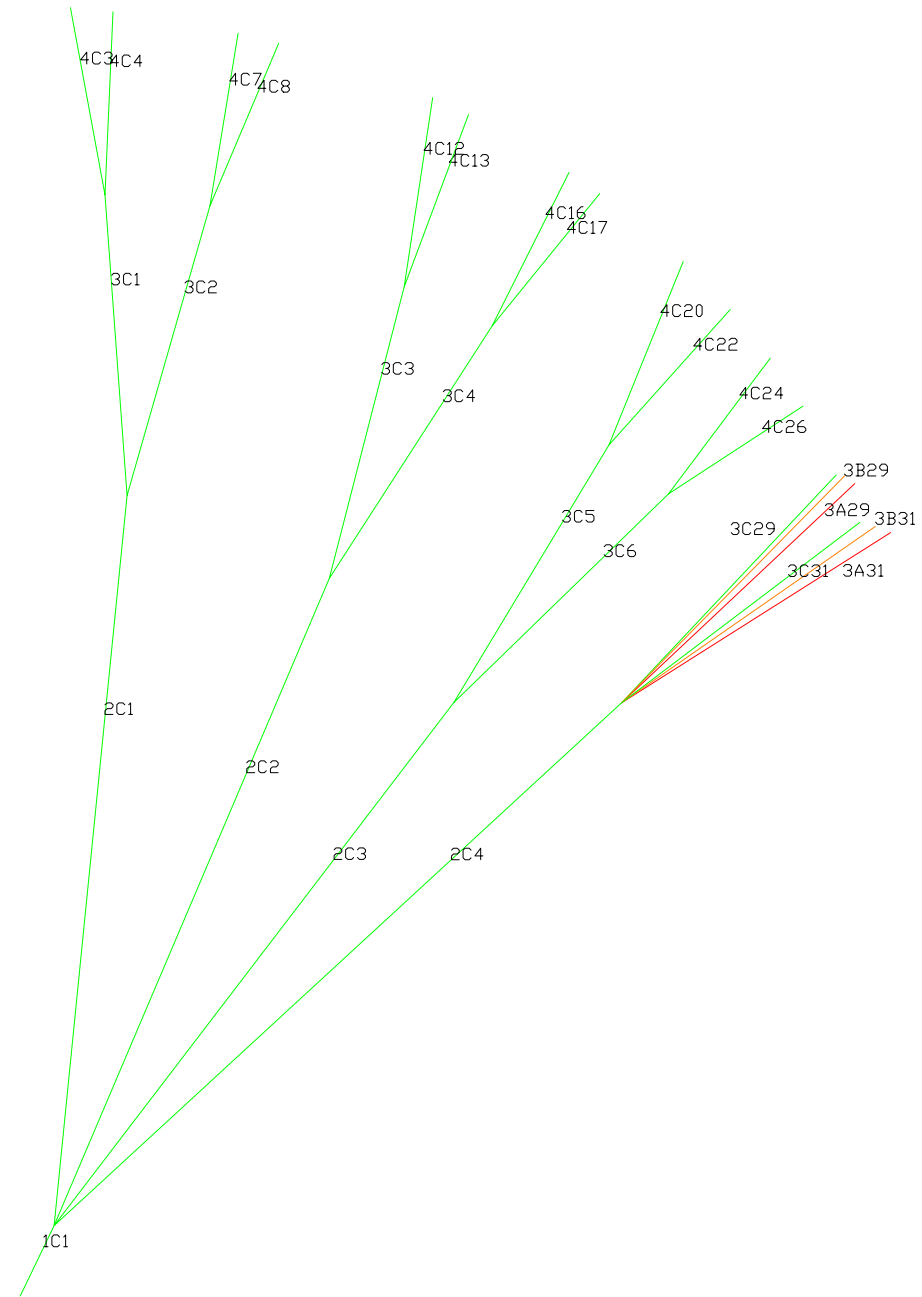
Line - Label - Length

23	1B1	47.0
24	2B1	422.9
25	2B2	407.9
26	2B3	386.9
27	3B1	180.9
28	3B2	180.9
29	3B3	180.9
30	3B4	180.9
31	3B5	181.0
32	3B6	181.0
33	4B3	113.7
34	4B4	109.8
35	4B7	105.7
36	4B8	106.8
37	4B12	114.3
38	4B13	110.4
39	4B16	104.4
40	4B17	104.3
41	4B20	117.5
42	4B22	109.4
43	4B24	103.4
44	4B26	100.5



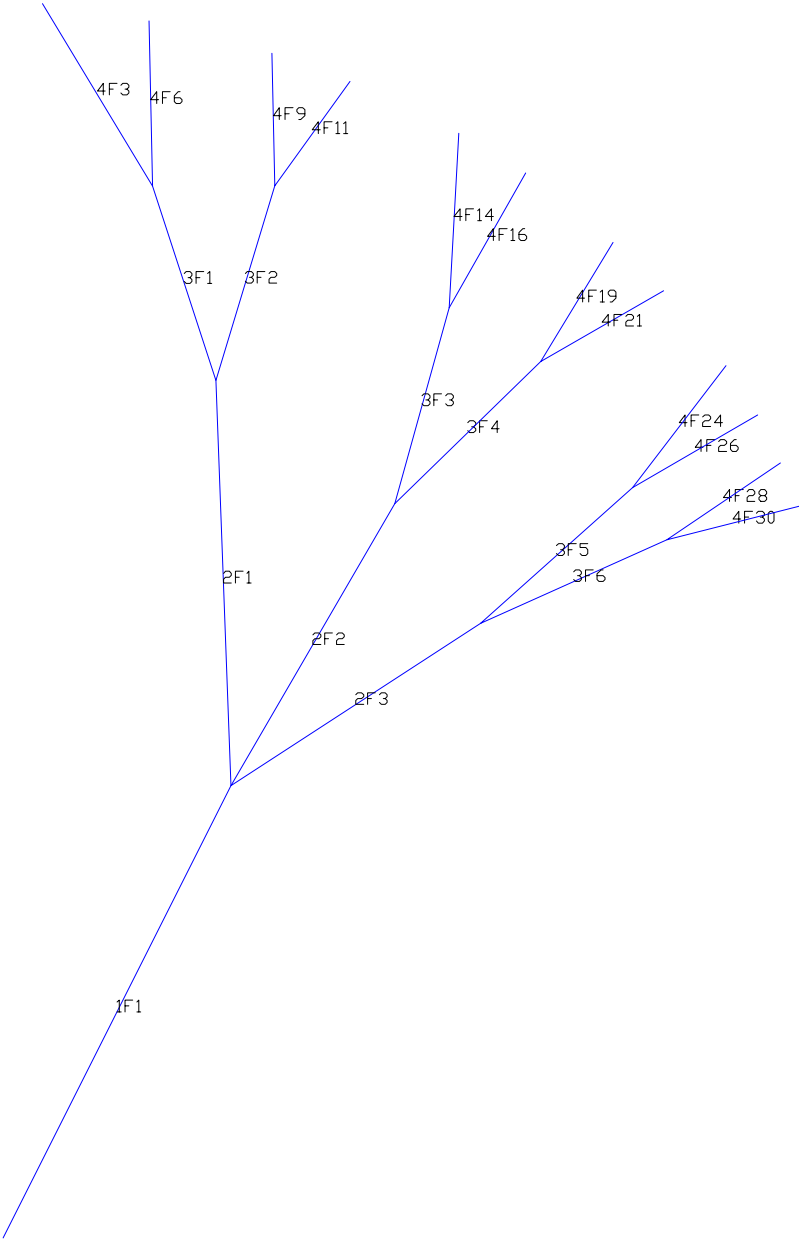
Line - Label - Length

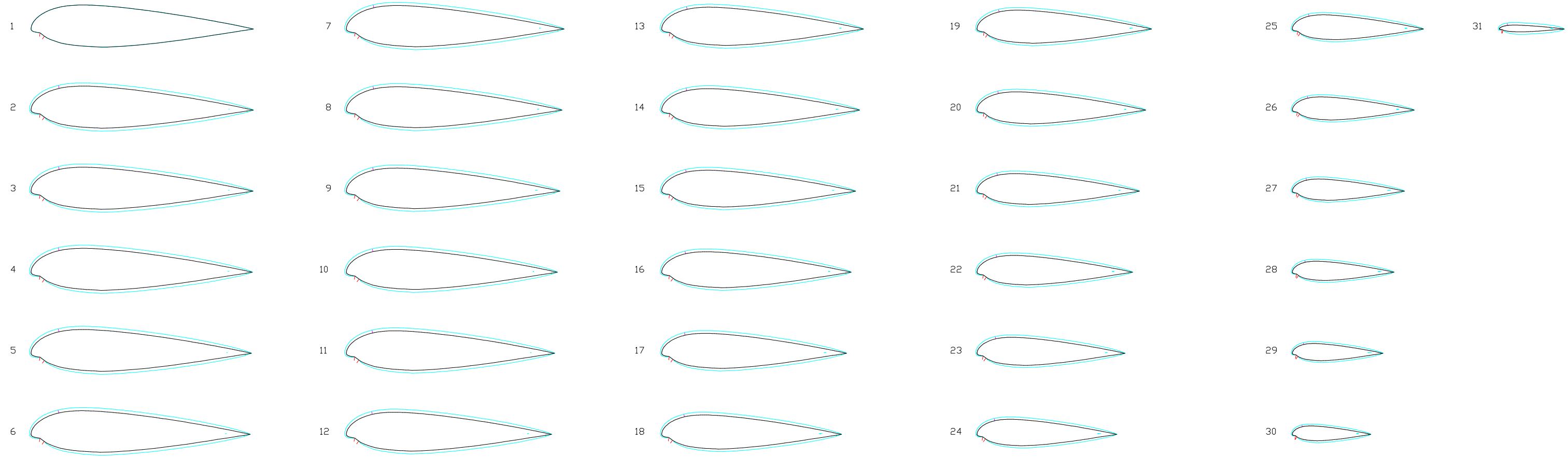
45	1C1	47.0
46	2C1	440.9
47	2C2	423.0
48	2C3	397.0
49	2C4	464.0
50	3C1	181.0
51	3C2	181.0
52	3C3	181.0
53	3C4	181.0
54	3C5	181.0
55	3C6	181.0
56	3A29	190.3
57	3A31	183.8
58	3B29	187.6
59	3B31	185.5
60	3C29	195.9
61	3C31	190.4
62	4C3	114.1
63	4C4	110.0
64	4C7	105.1
65	4C8	106.0
66	4C12	114.9
67	4C13	110.5
68	4C16	103.1
69	4C17	102.6
70	4C20	118.8
71	4C22	109.6
72	4C24	102.1
73	4C26	97.5



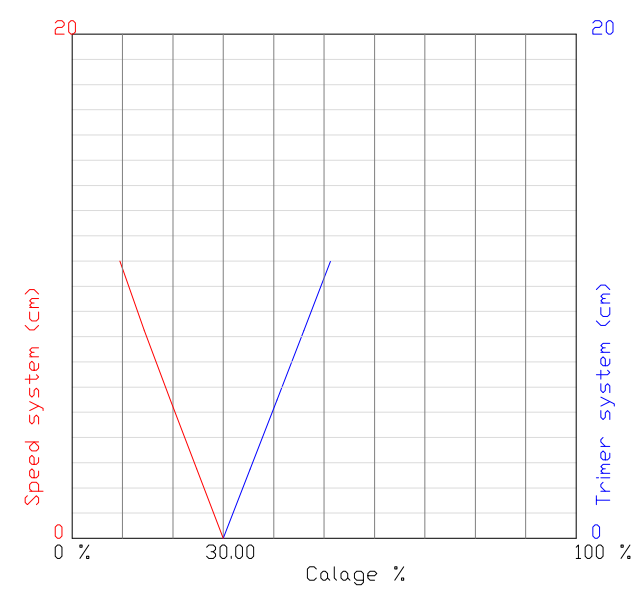
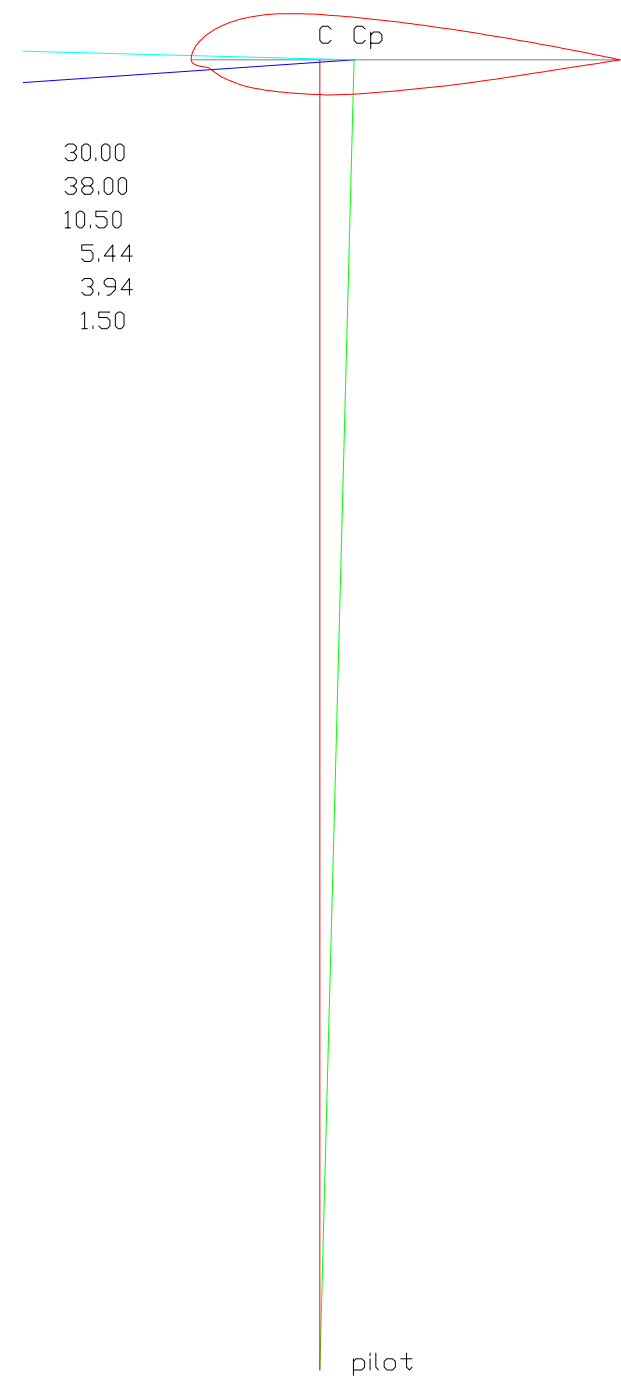
Line - Label - Length

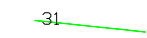
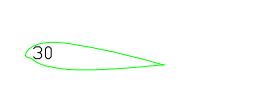
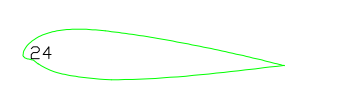
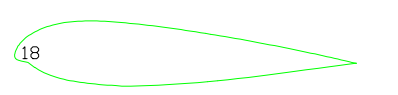
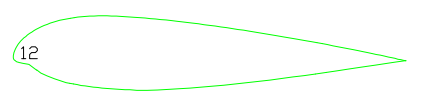
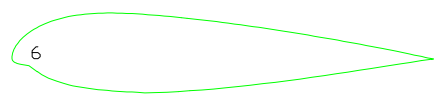
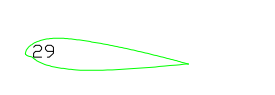
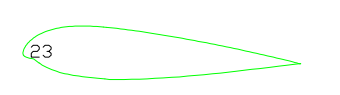
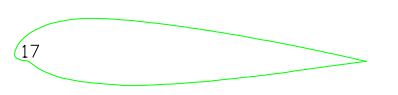
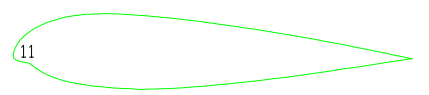
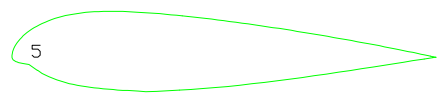
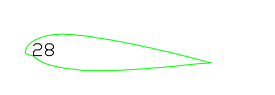
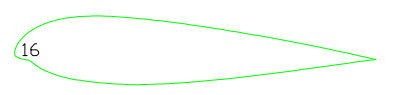
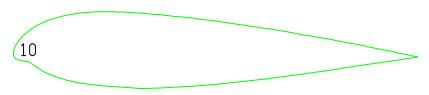
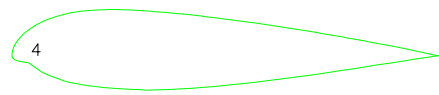
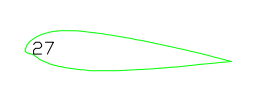
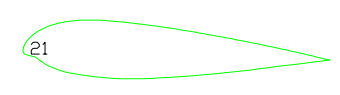
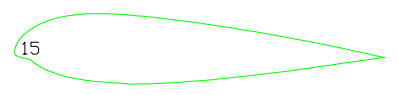
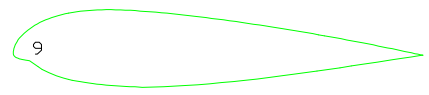
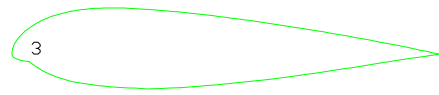
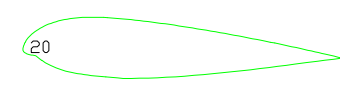
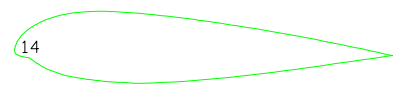
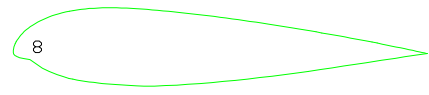
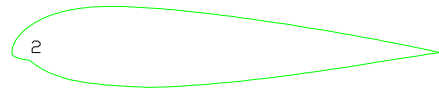
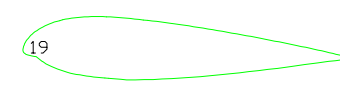
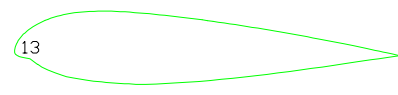
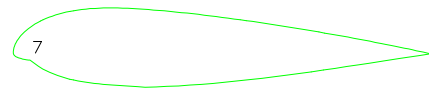
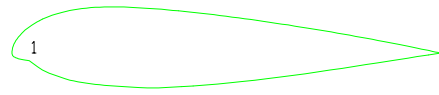
74	1F1	310.0
75	2F1	247.0
76	2F2	199.0
77	2F3	181.0
78	3F1	124.0
79	3F2	124.0
80	3F3	124.0
81	3F4	124.0
82	3F5	124.0
83	3F6	124.0
84	4F3	128.7
85	4F6	100.7
86	4F9	80.8
87	4F11	78.2
88	4F14	106.3
89	4F16	94.4
90	4F19	84.9
91	4F21	86.0
92	4F24	93.5
93	4F26	87.9
94	4F28	83.4
95	4F30	82.8



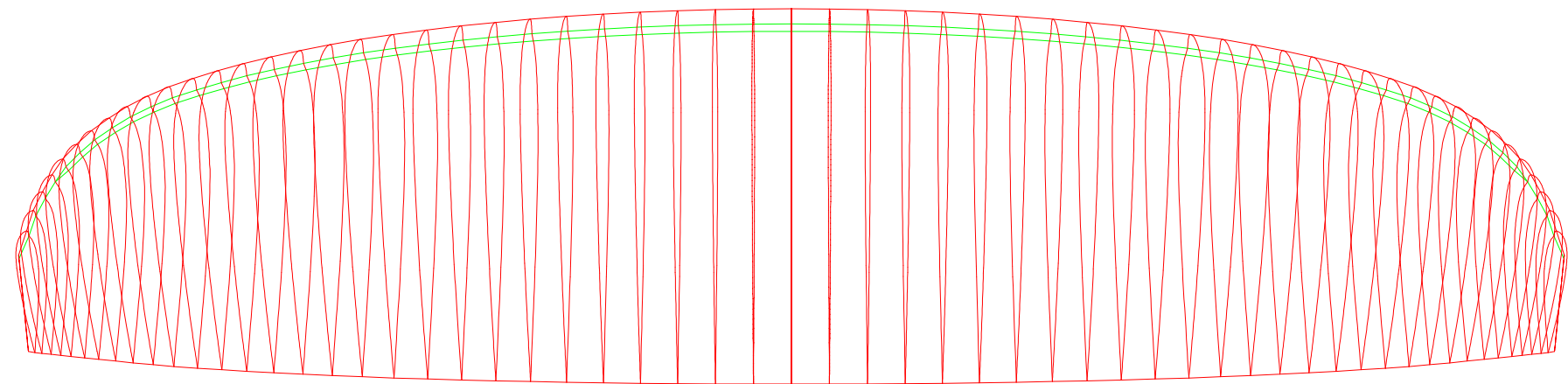


calage= 30.00
center pressure= 38.00
glide ratio= 10.50
glide angle= 5.44
angle of attack= 3.94
assiette= 1.50

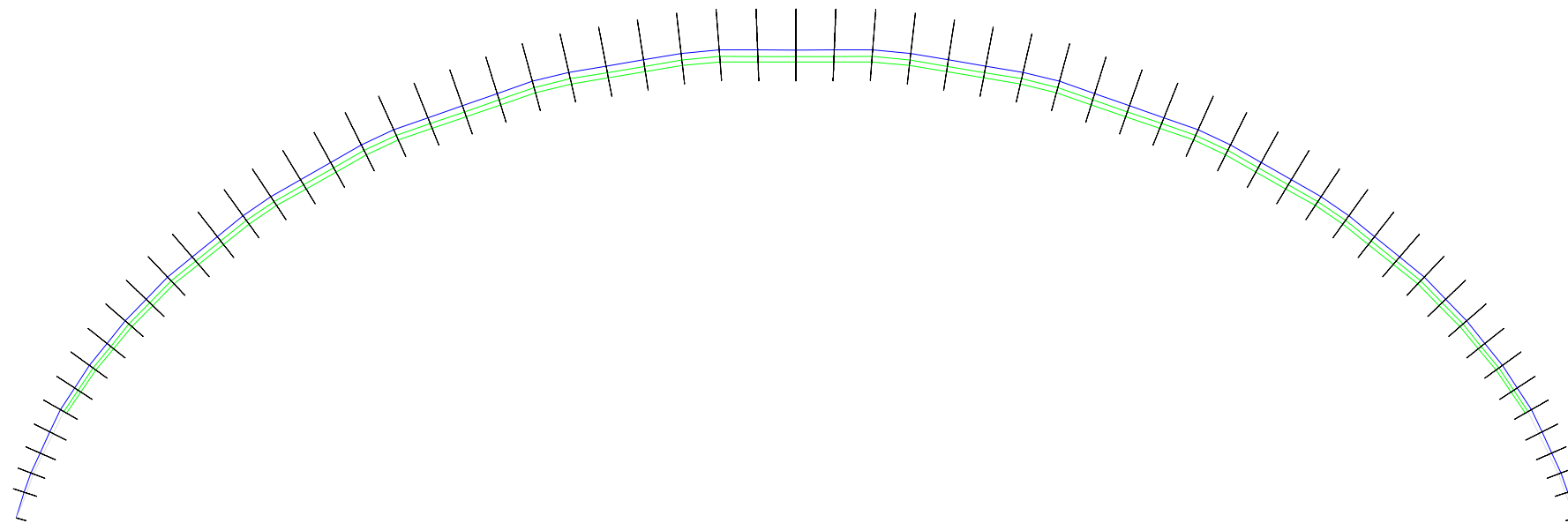




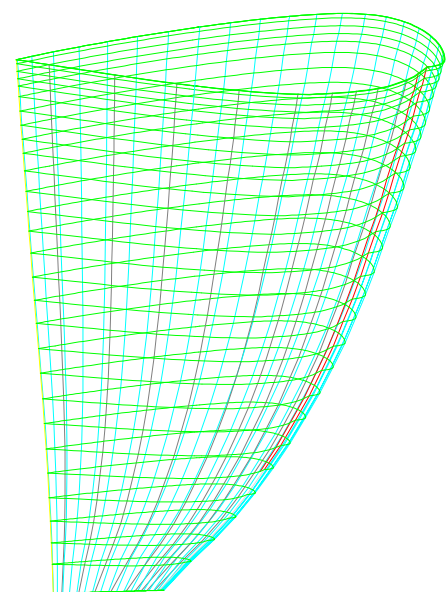
2-2 RIBS WASHIN ANGLE



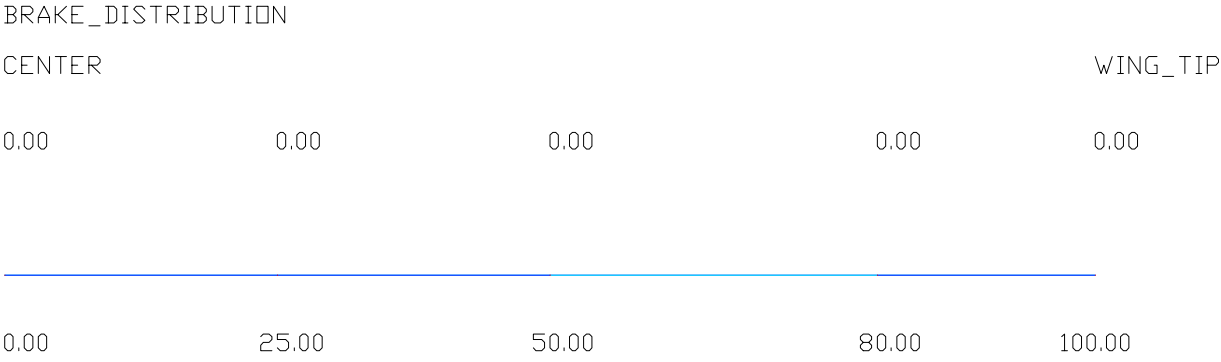
3-1 UPPER VIEW



4-1 VAULT VIEW



4-2 LATERAL VIEW



4-3 BRAKE DISTRIBUTION

PLANS GENERAL NOTES

- 1-1: Planform and vault view (informative)

1-2: Ribs for plotter, one side

1-3: Extrados panels for plotter, one side

1-4: Ribs for laser cutting, one side. Units cm

1-5: Extrados 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: V-ribs Type-3
- 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: V-rib type-6
- 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 extrados (mm): 12.00

Width in leading edge ex (mm): 22.00

Width in trailing edge ex (mm): 22.00

Lateral width in intrados (mm): 12.00

Width in leading edge in (mm): 22.00

Width in trailing edge in (mm): 22.00

Lateral width in ribs (mm): 12.00

Lateral width in V-ribs (mm): 12.00

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	=	.....
Number	18	=	.....
Number	19	=	.....
Number	20	=	.....
Number	21	=	.....
Number	22	=	.....
Number	23	=	.....
Number	24	=	.....
Number	25	=	.....
Number	26	=	.....
Number	27	=	.....
Number	28	=	.....
Number	29	=	.....
Number	30	=	.....
Number	31	=	.....

