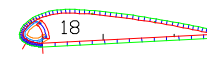
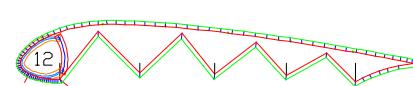
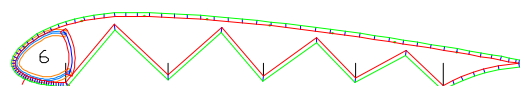
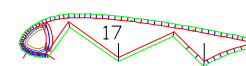
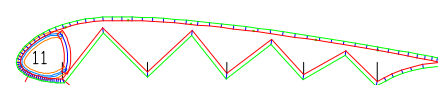
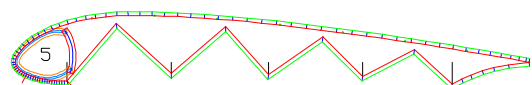
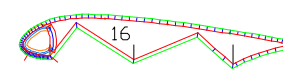
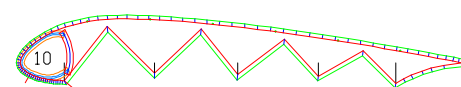
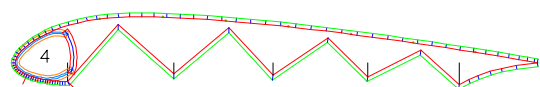
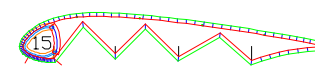
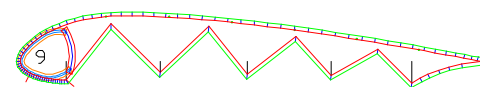
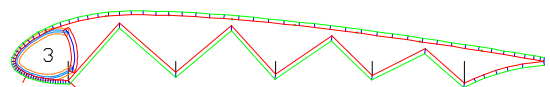
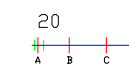
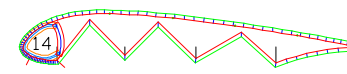
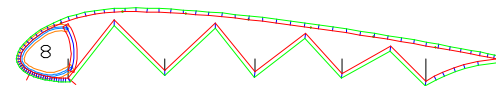
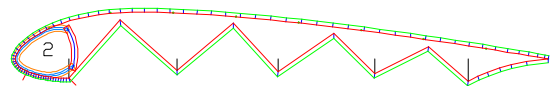
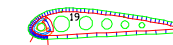
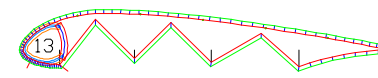
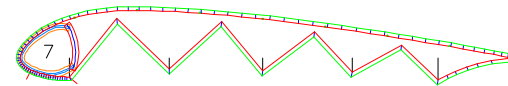
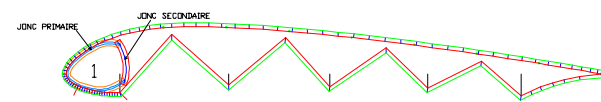
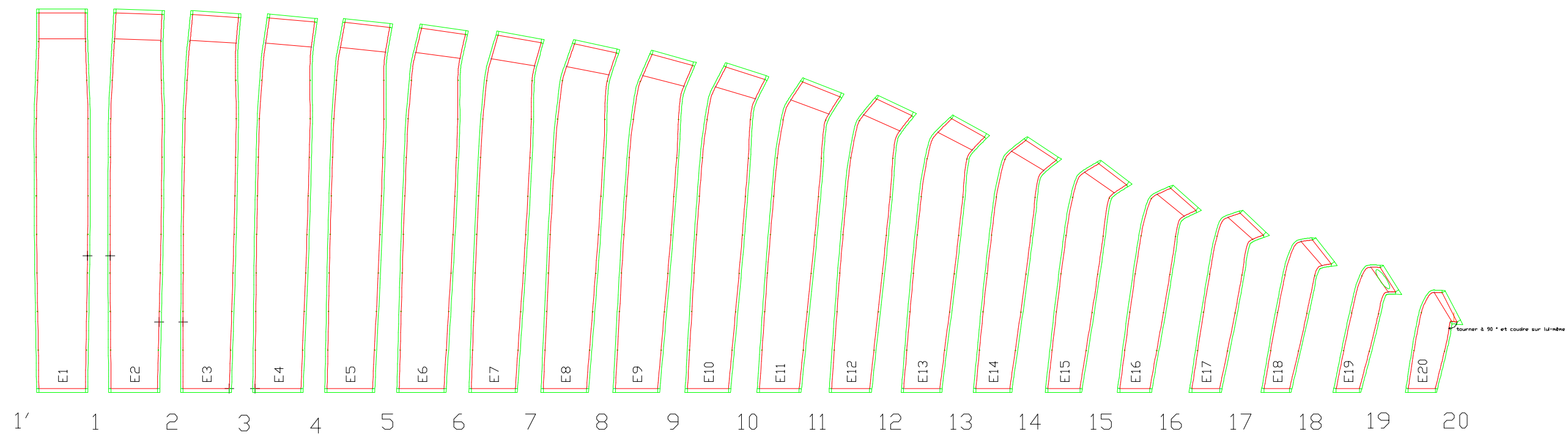


Laboratori d'envol BHL5-16
 Surface (m²) : 16.00
 Envergure (m) : 9.51
 Allongement : 5.66
 Panneaux : 39
 Version : 20201208

1-1 VUE EN PLAN ET VOÛTE

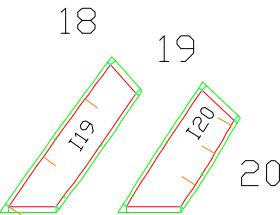


Bord d'attaque

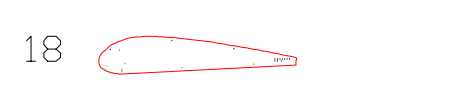
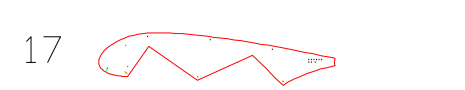
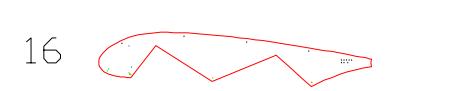
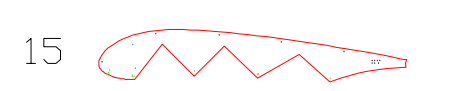
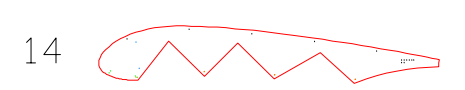
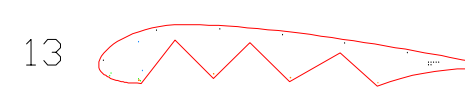
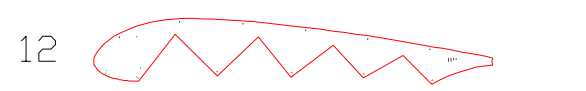
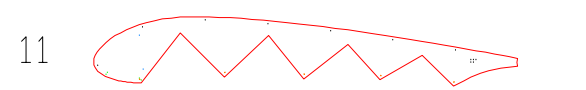
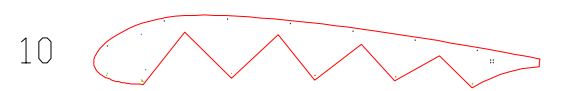
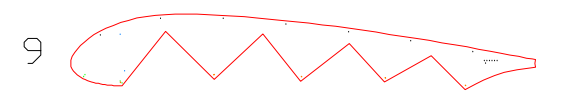
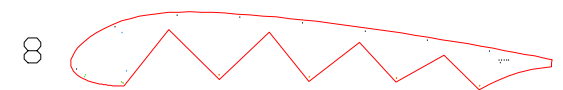
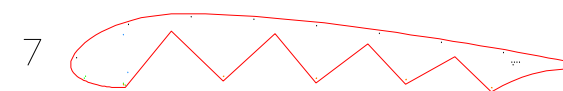
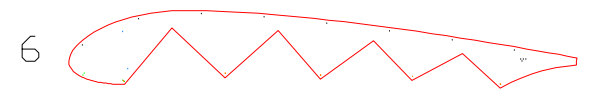
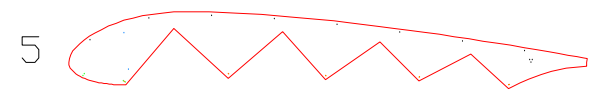
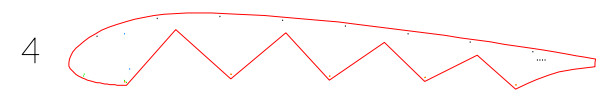
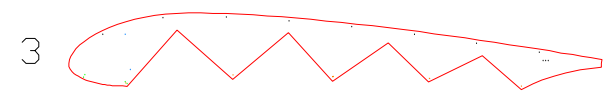
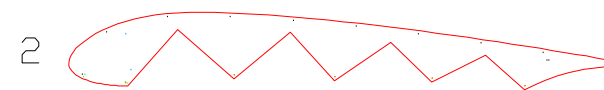
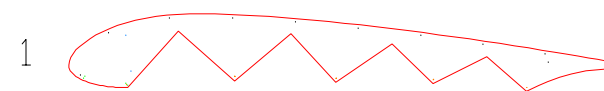


1-3 EXTRADOS PANNEAUX

Bord de fuite

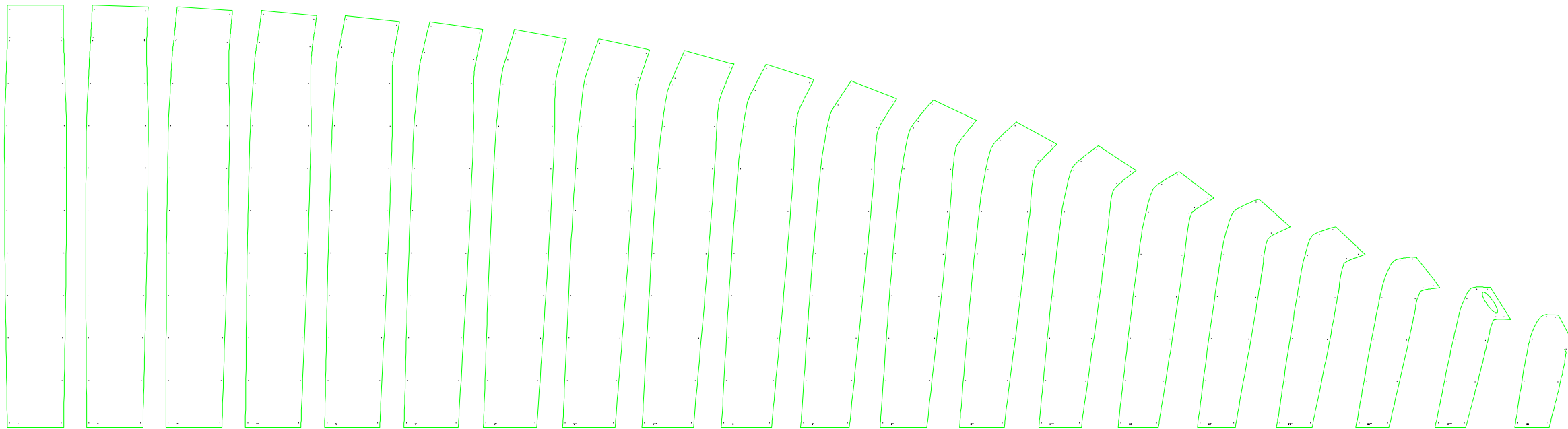


Bord d'attaque



1-4 NERVURES (DÉCOUPE AU LASER)

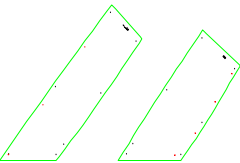
Bord d'attaque



Bord de fuite

1-5 EXTRADOS PANELS (DÉCOUPE AU LASER)

Bord de fuite



Bord d'attaque

JONC PRIMAIRE JONC SECONDAIRE

↓ ↙



Liste de nylon joncs (primaires)

Jonc	1	53.5
Jonc	2	53.3
Jonc	3	52.9
Jonc	4	52.3
Jonc	5	51.8
Jonc	6	51.1
Jonc	7	50.3
Jonc	8	49.1
Jonc	9	47.5
Jonc	10	45.5
Jonc	11	43.2
Jonc	12	40.7
Jonc	13	37.8
Jonc	14	34.6
Jonc	15	31.3
Jonc	16	27.7
Jonc	17	24.6
Jonc	18	20.8
Jonc	19	16.5
Jonc	20	0.0

Liste de nylon joncs (secondaires)

Jonc	1	18.1
Jonc	2	18.0
Jonc	3	17.9
Jonc	4	17.6
Jonc	5	18.2
Jonc	6	18.6
Jonc	7	18.9
Jonc	8	19.2
Jonc	9	18.5
Jonc	10	17.7
Jonc	11	16.8
Jonc	12	15.7
Jonc	13	14.6
Jonc	14	13.3
Jonc	15	12.0
Jonc	16	10.5
Jonc	17	10.5
Jonc	18	7.3
Jonc	19	5.6
Jonc	20	0.0

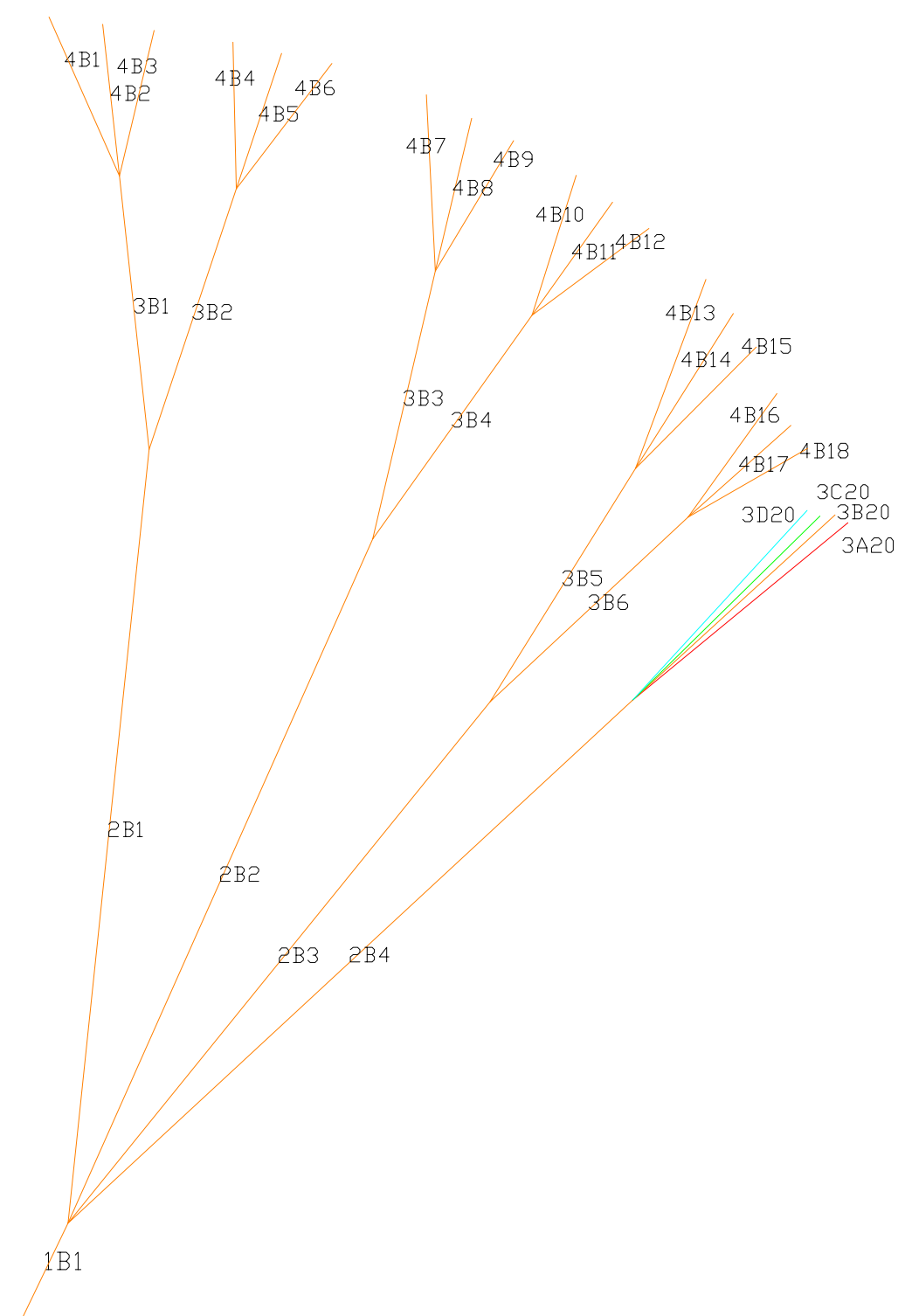
Ligne - étiquette - longueur

1	1A1	47.0
2	2A1	327.7
3	2A2	314.7
4	2A3	290.8
5	3A1	124.8
6	3A2	124.8
7	3A4	124.9
8	3A5	124.9
9	3A6	124.9
10	3A7	124.9
11	4A1	101.2
12	4A2	92.0
13	4A3	90.5
14	4A4	88.8
15	4A5	86.6
16	4A6	92.1
17	4A7	100.6
18	4A8	92.0
19	4A9	89.7
20	4A10	87.0
21	4A11	83.8
22	4A12	86.5
23	4A13	103.1
24	4A14	94.6
25	4A15	90.0
26	4A16	84.6
27	4A17	78.5
28	4A18	76.9



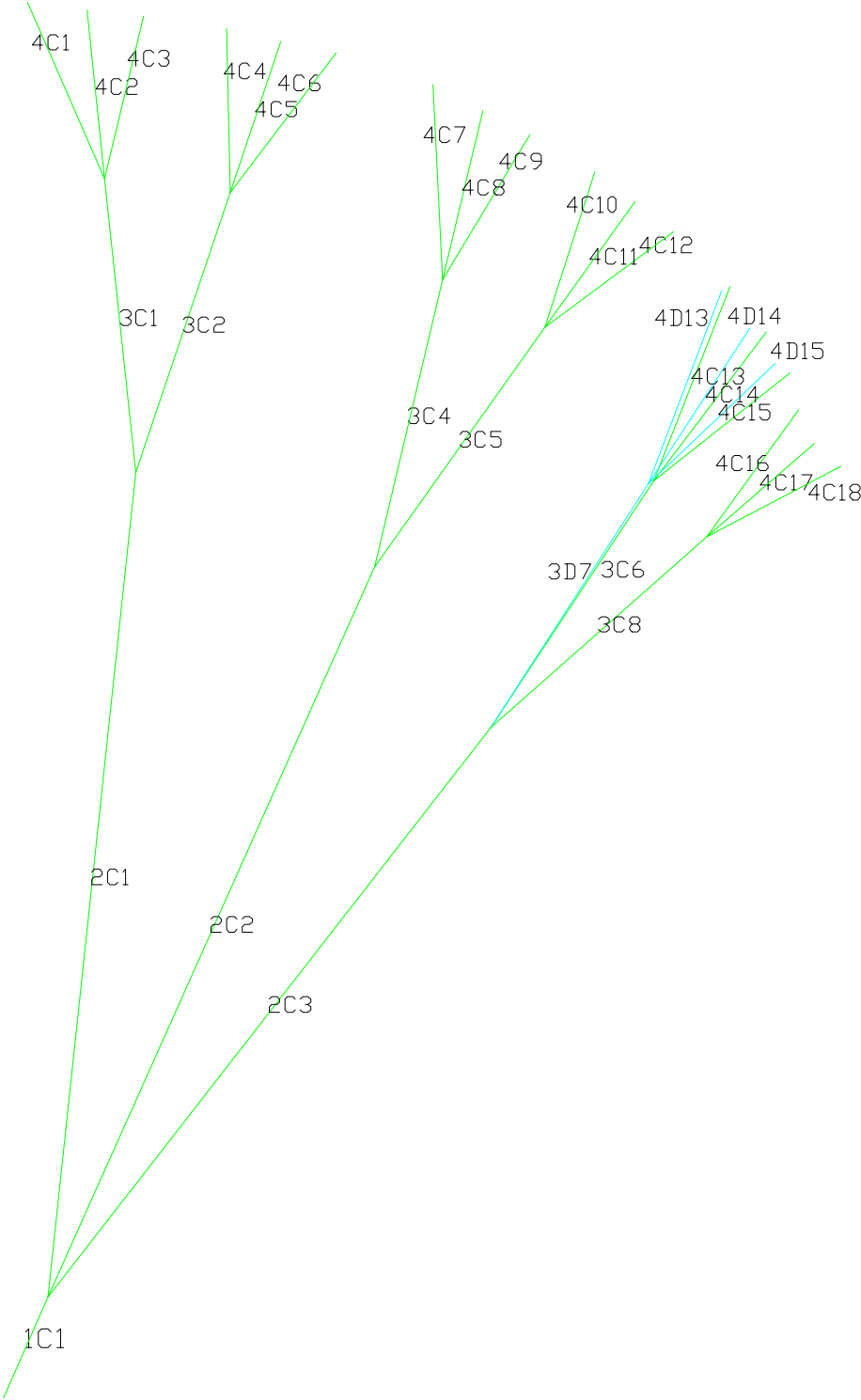
Ligne - étiquette - longueur

29	1B1	47.0
30	2B1	352.6
31	2B2	337.7
32	2B3	302.8
33	2B4	350.0
34	3B1	124.8
35	3B2	124.8
36	3B3	124.9
37	3B4	124.9
38	3B5	124.9
39	3B6	124.9
40	3A20	127.1
41	3B20	126.0
42	3C20	126.3
43	3D20	128.0
44	4B1	80.2
45	4B2	70.2
46	4B3	68.5
47	4B4	66.8
48	4B5	64.6
49	4B6	71.0
50	4B7	81.2
51	4B8	71.9
52	4B9	69.5
53	4B10	66.5
54	4B11	63.0
55	4B12	65.9
56	4B13	91.5
57	4B14	82.7
58	4B15	77.6
59	4B16	68.6
60	4B17	62.9
61	4B18	63.7



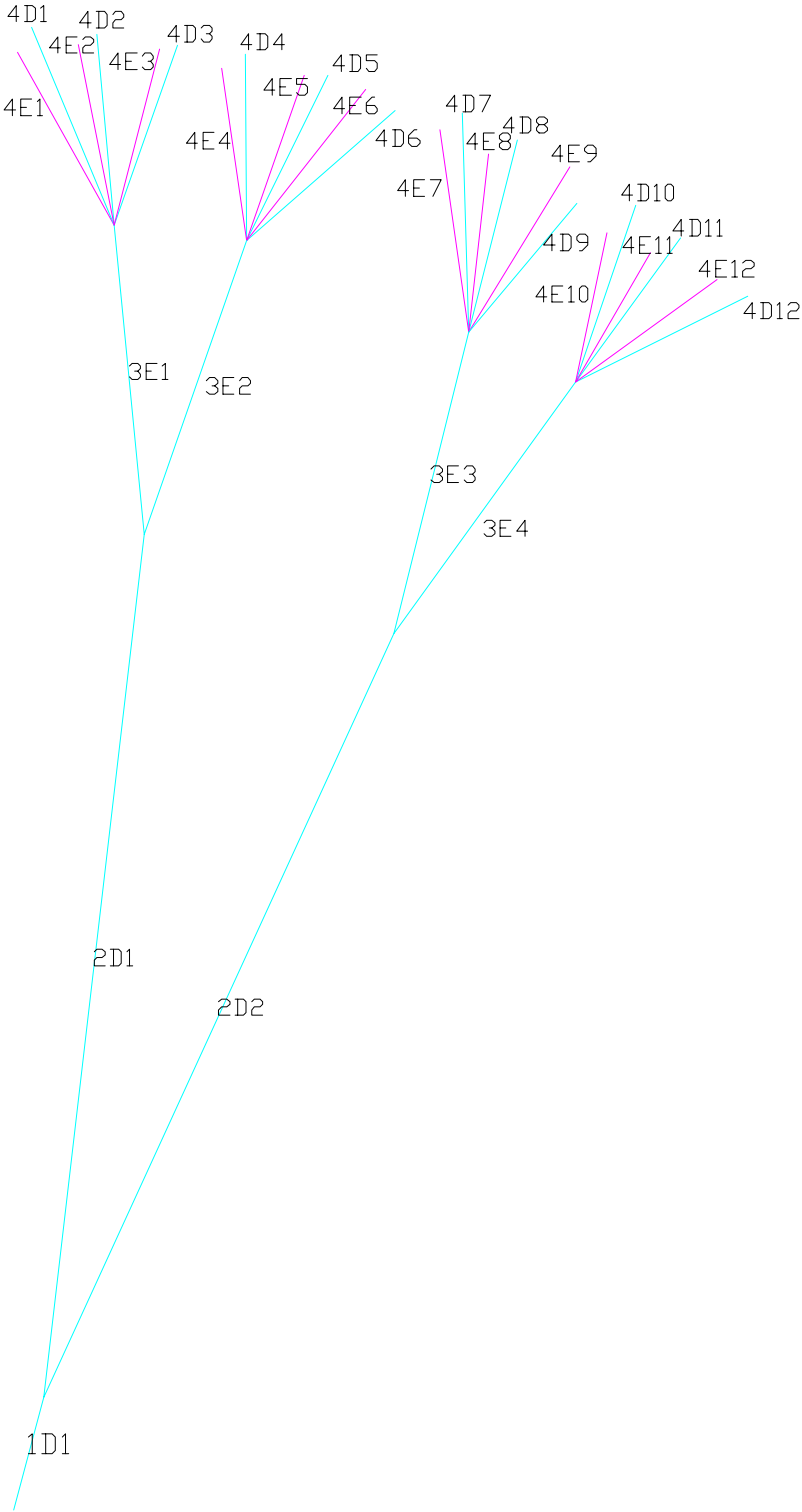
Ligne - étiquette - longueur

62	1C1	47.0
63	2C1	350.8
64	2C2	336.9
65	2C3	304.9
66	3C1	124.9
67	3C2	124.9
68	3C4	124.9
69	3C5	124.9
70	3C6	124.9
71	3D7	125.0
72	3C8	125.0
73	4C1	82.0
74	4C2	72.2
75	4C3	70.7
76	4C4	69.0
77	4C5	66.9
78	4C6	73.4
79	4C7	82.8
80	4C8	73.8
81	4C9	71.5
82	4C10	68.4
83	4C11	64.8
84	4C12	67.2
85	4C13	88.5
86	4C14	80.2
87	4C15	75.5
88	4D13	89.2
89	4D14	80.7
90	4D15	75.7
91	4C16	68.2
92	4C17	62.2
93	4C18	65.3



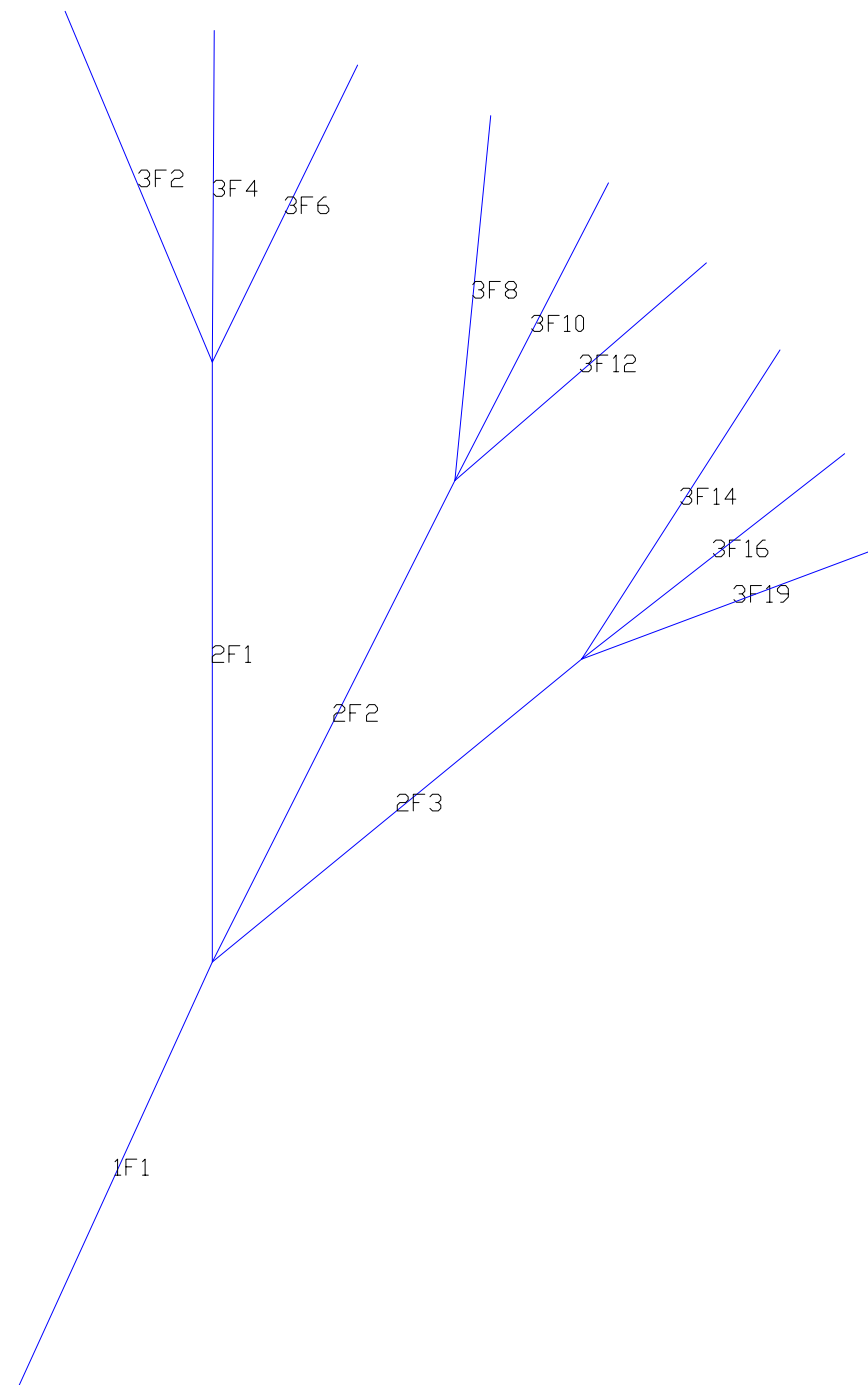
Ligne - étiquette - longueur

94	1D1	47.0
95	2D1	348.8
96	2D2	335.9
97	3E1	124.9
98	3E2	124.9
99	3E3	124.9
100	3E4	124.9
101	4D1	85.7
102	4D2	76.4
103	4D3	75.3
104	4E1	90.1
105	4E2	81.1
106	4E3	79.9
107	4D4	73.9
108	4D5	72.2
109	4D6	78.7
110	4E4	78.6
111	4E5	76.7
112	4E6	82.5
113	4D7	87.1
114	4D8	78.7
115	4D9	76.8
116	4E7	91.2
117	4E8	82.6
118	4E9	80.4
119	4D10	73.6
120	4D11	70.0
121	4D12	71.8
122	4E10	77.0
123	4E11	72.9
124	4E12	73.9

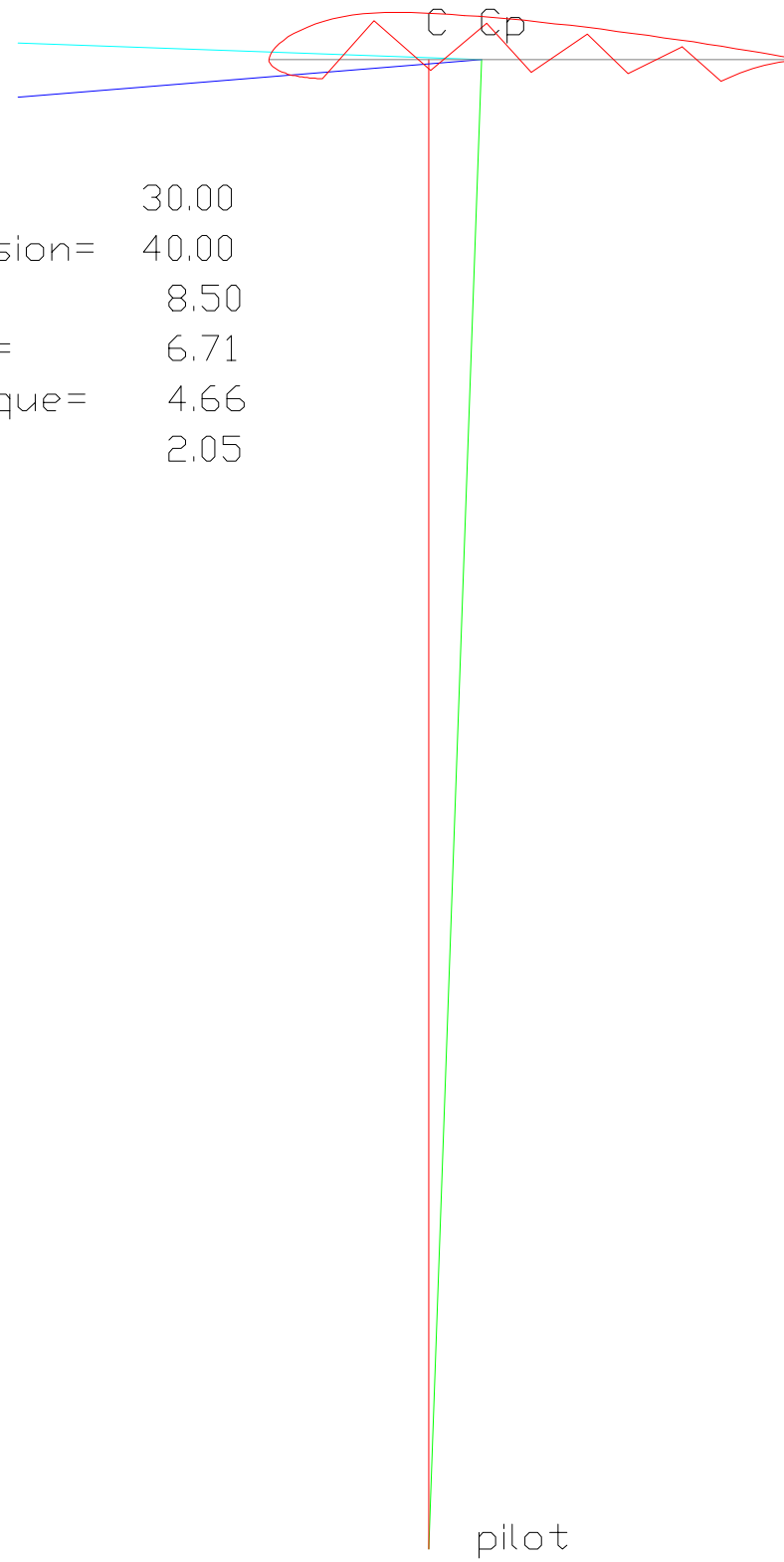
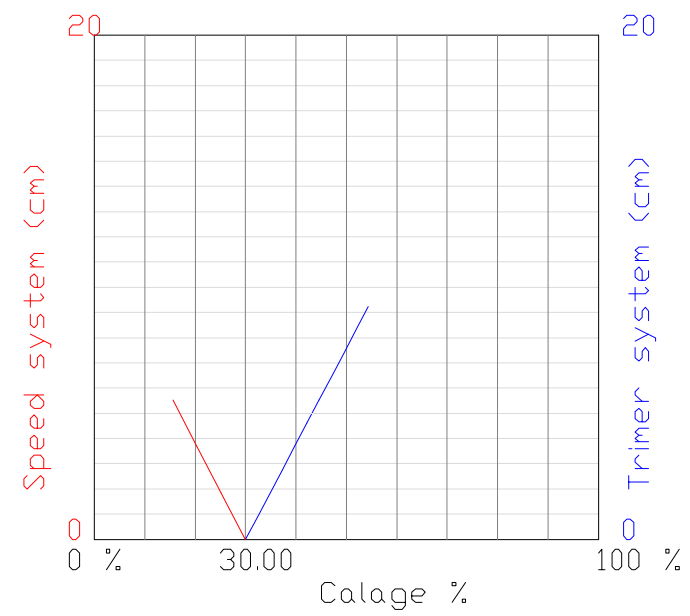


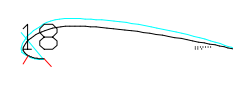
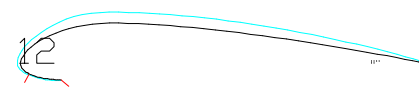
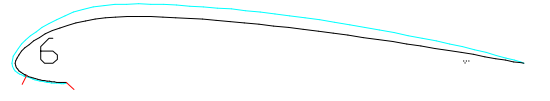
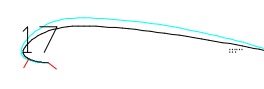
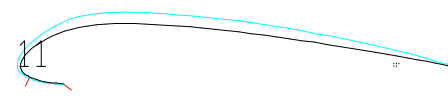
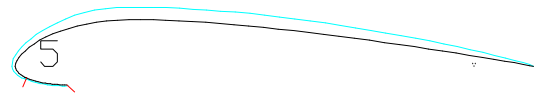
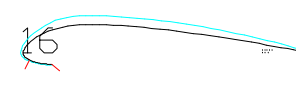
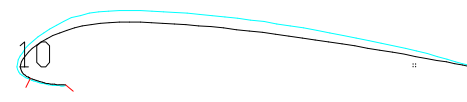
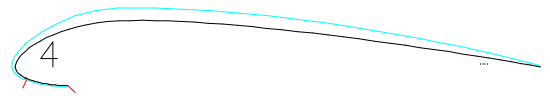
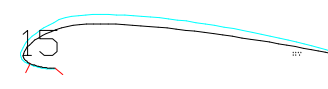
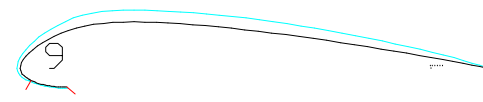
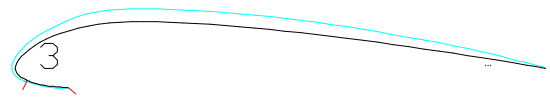
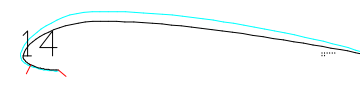
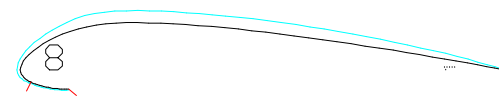
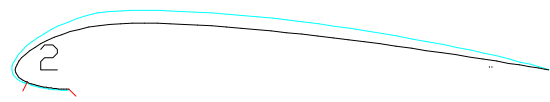
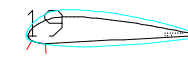
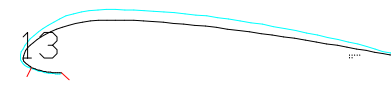
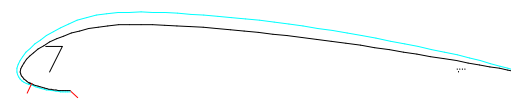
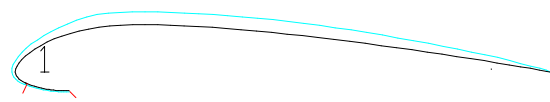
Ligne - étiquette - longueur

125	1F1	191.0
126	2F1	246.0
127	2F2	219.0
128	2F3	191.0
129	3F2	155.4
130	3F4	135.6
131	3F6	134.3
132	3F8	150.2
133	3F10	136.7
134	3F12	134.2
135	3F14	150.3
136	3F16	135.2
137	3F19	130.0

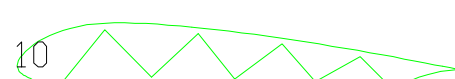
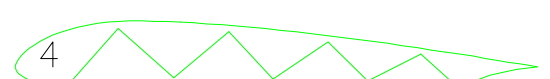
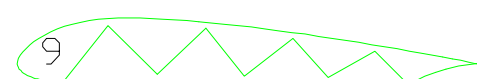
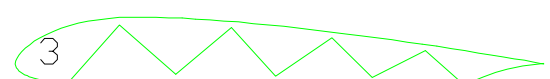
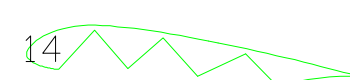
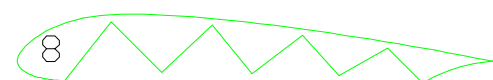
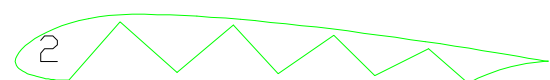
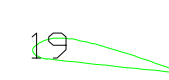
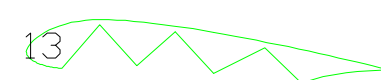
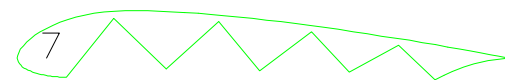
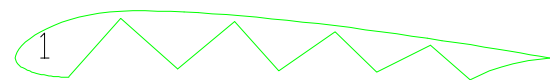


calage= 30.00
centre pression= 40.00
finesse= 8.50
angle de vol= 6.71
angle d'attaque= 4.66
assiette= 2.05





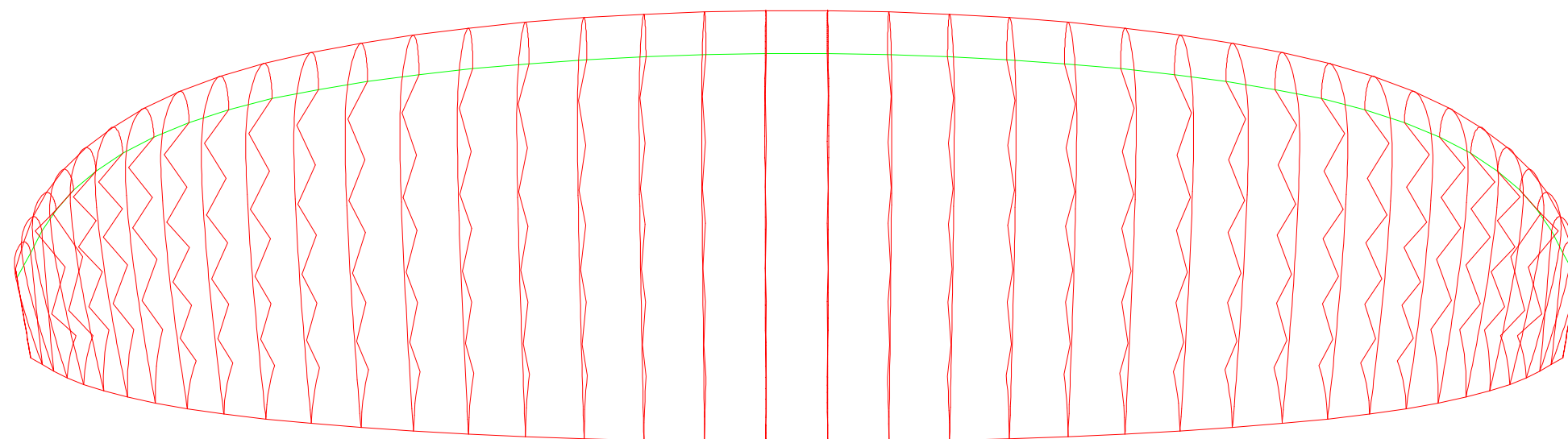
1-8 MIDDLE AND MIDDLE OVALIZED AIRFOILS



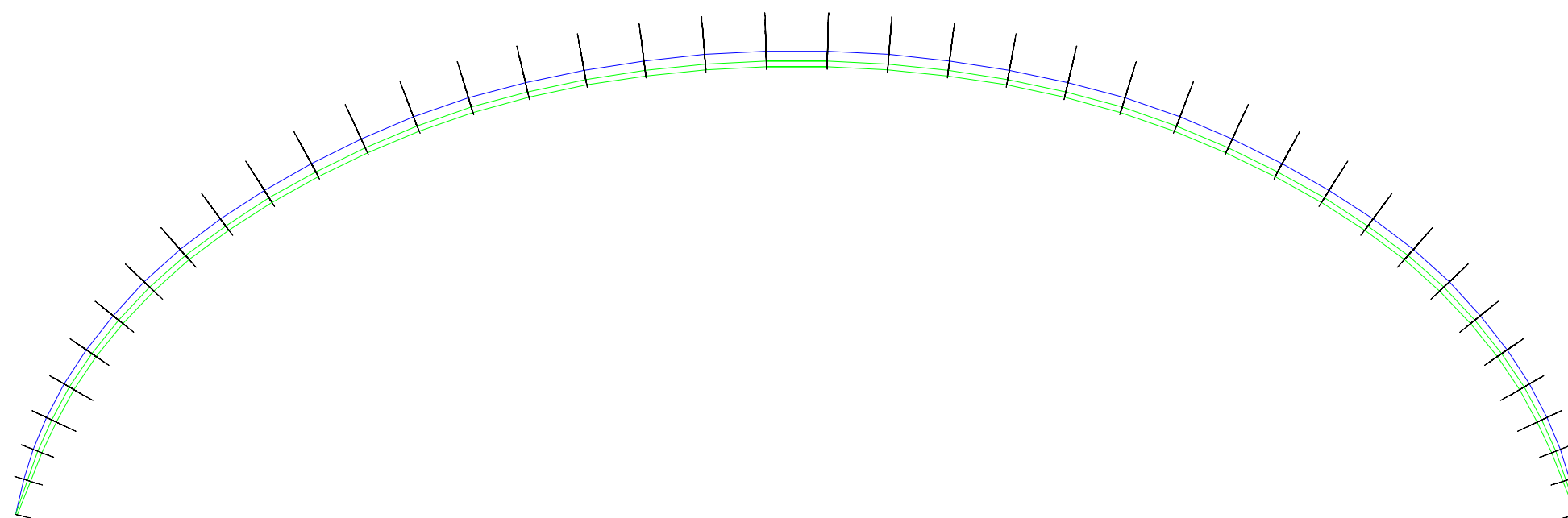
2-2 NERVURES WASHIN ANGLE



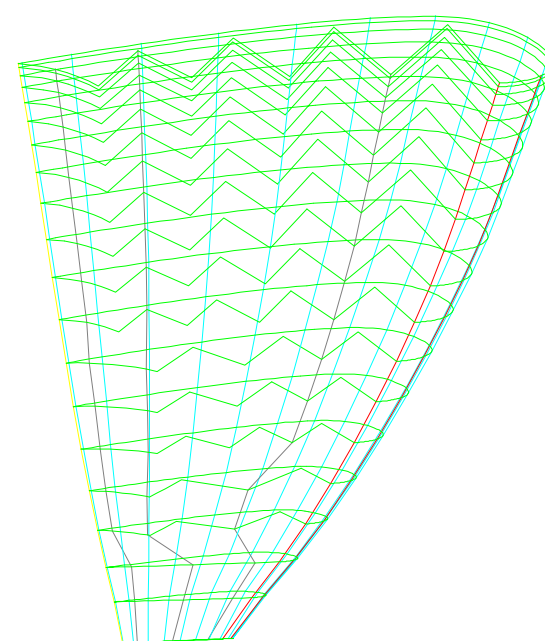
les bandes horizontales ne sont pas indispensables



3-1 VUE DE DESSUS



4-1 VUE VOÛTE



4-2 VUE LATÉRALE

FREINAGE_DISTRIBUTION
CENTRE

BOUT D'AILE

0.00

0.00

0.00

0.00

0.00

0.00

25.00

55.00

70.00

100.00

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: 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 extrados (mm): 15.00

Width in leading edge ex (mm): 25.00

Width in trailing edge ex (mm): 25.00

Lateral width in intrados (mm): 15.00

Width in leading edge in (mm): 25.00

Width in trailing edge in (mm): 25.00

Lateral width in ribs (mm): 15.00

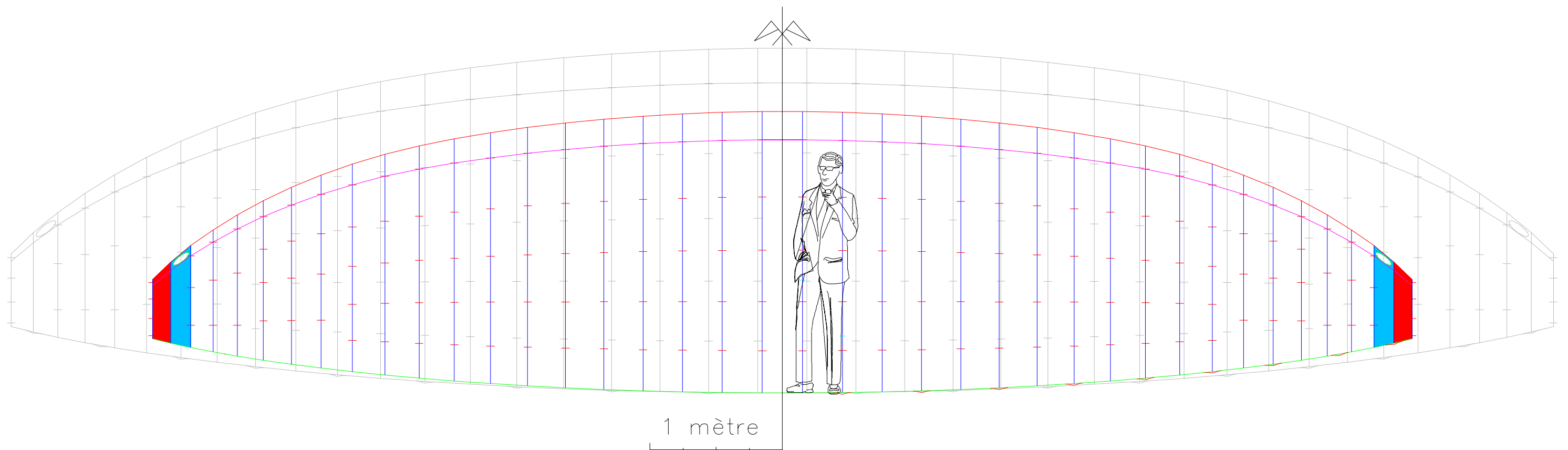
Lateral width in V-ribs (mm): 15.00

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	=	.....
Number	18	=	.....
Number	19	=	.....
Number	20	=	.....



4-8 COMPARATIVE BHL5-24 VERSUS BHL5-16