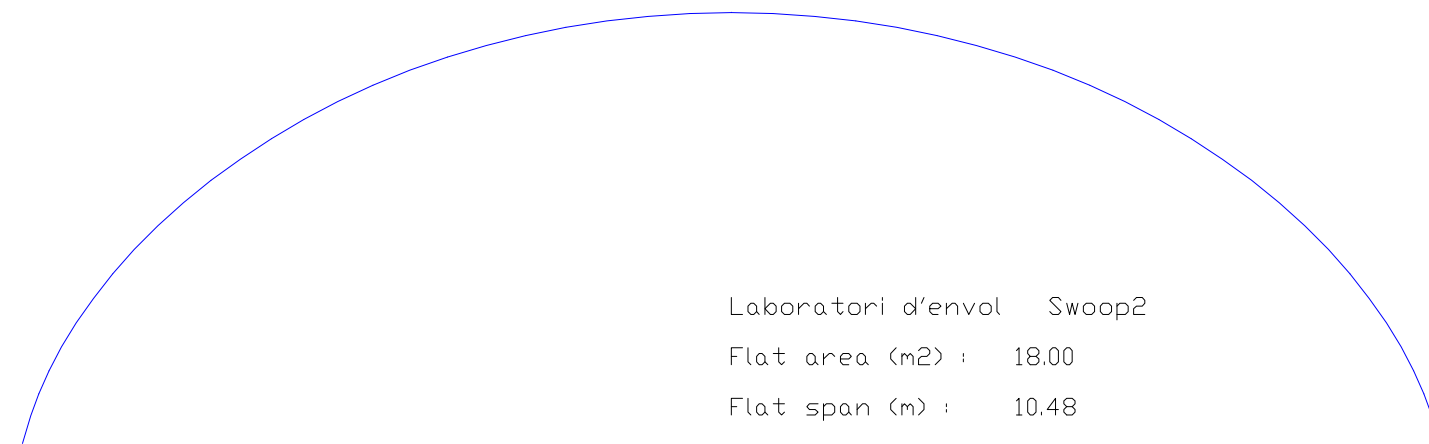
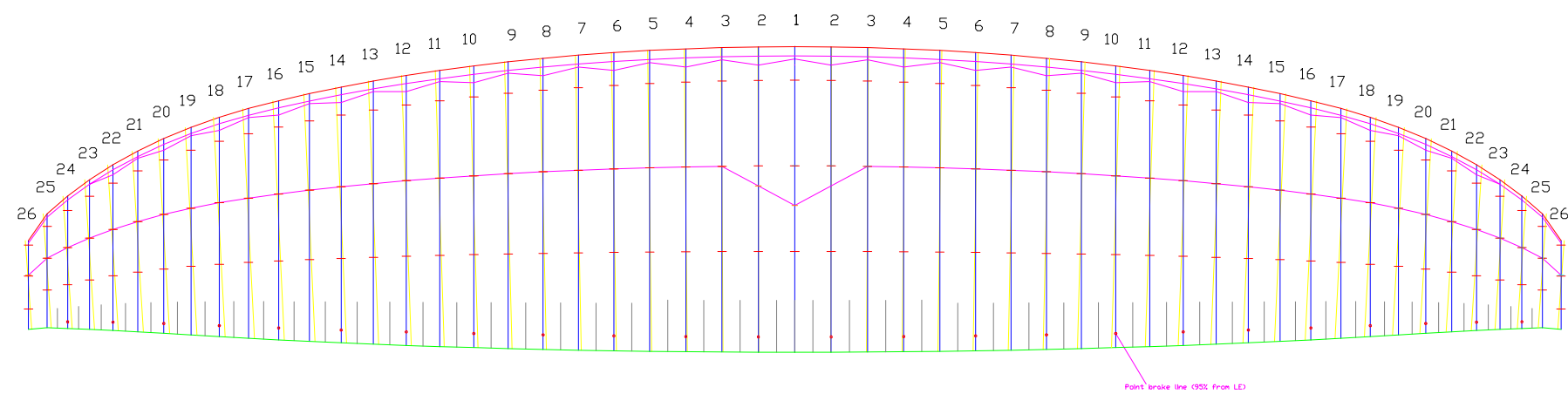
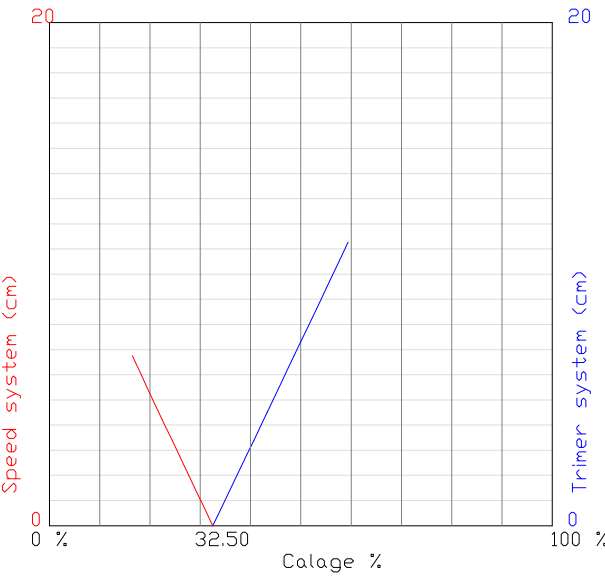
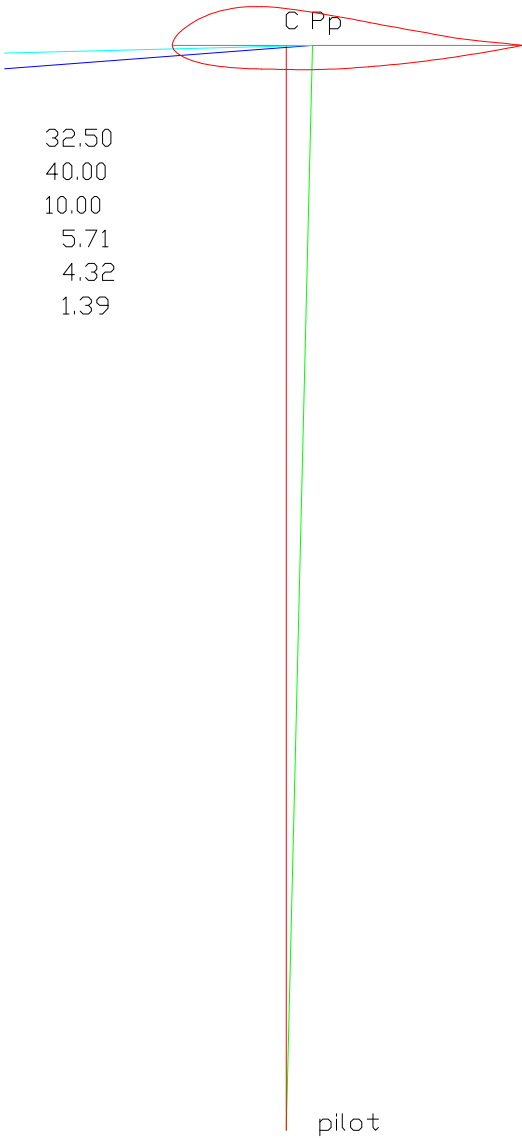
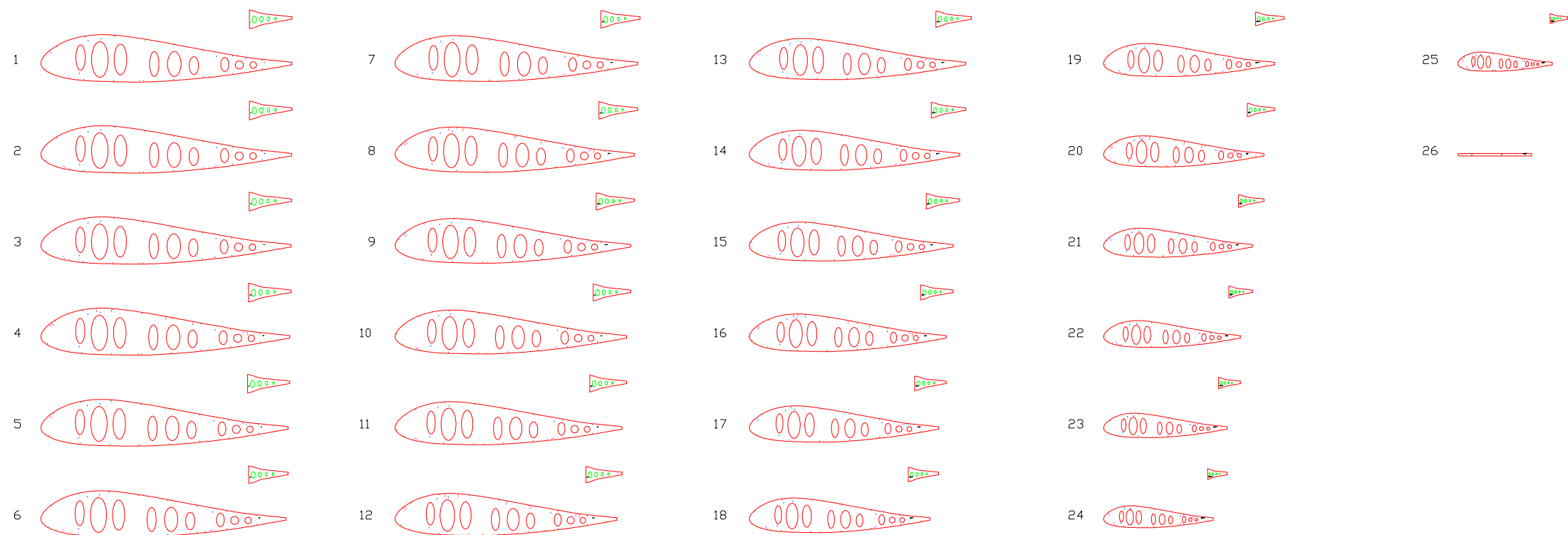




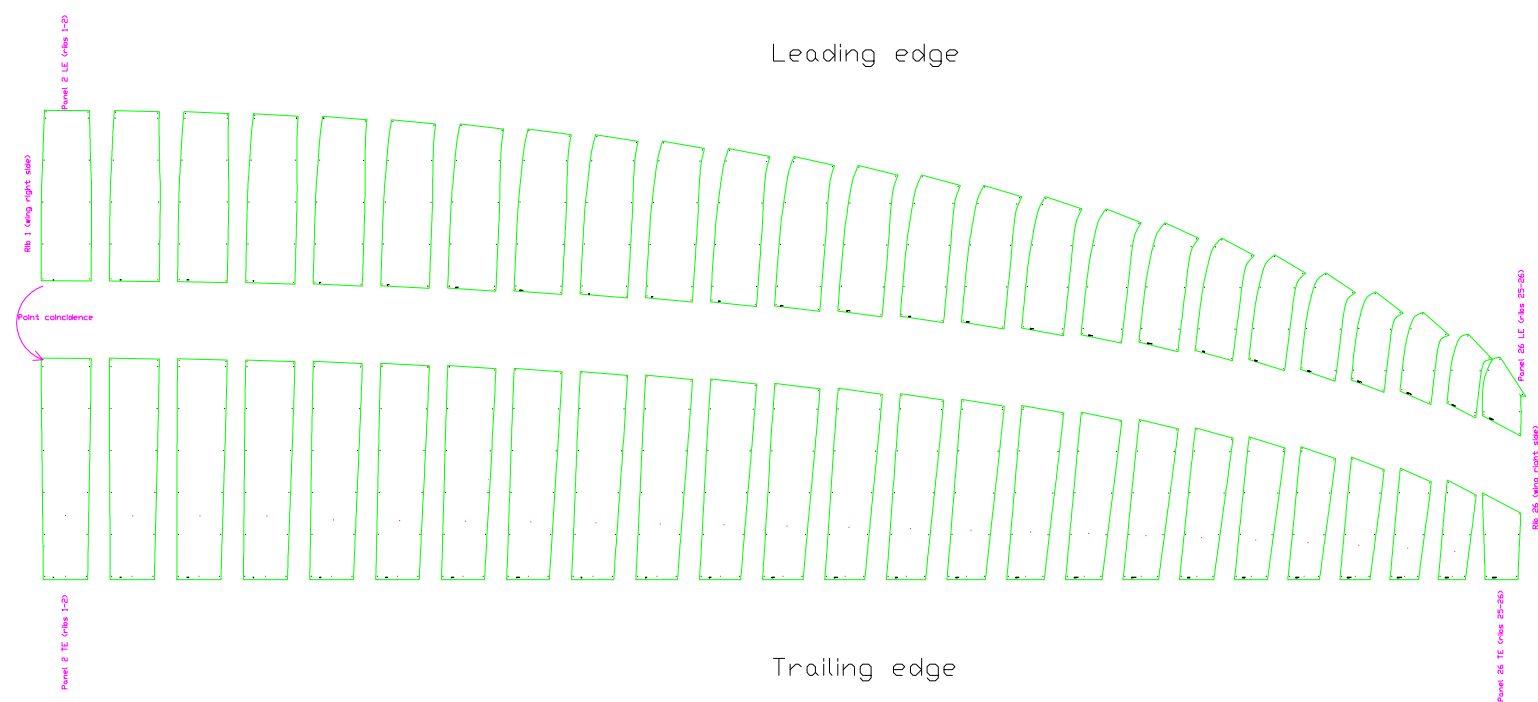
Laboratori d'envol Swoop2
 Flat area (m2) : 18.00
 Flat span (m) : 10.48
 Flat aspect ratio : 6.10
 Cells number : 50
 Edition date: 2026-08-18

calage= 32.50
plumb point= 40.00
glide ratio= 10.00
glide angle= 5.71
angle of attack= 4.32
assiette= 1.39

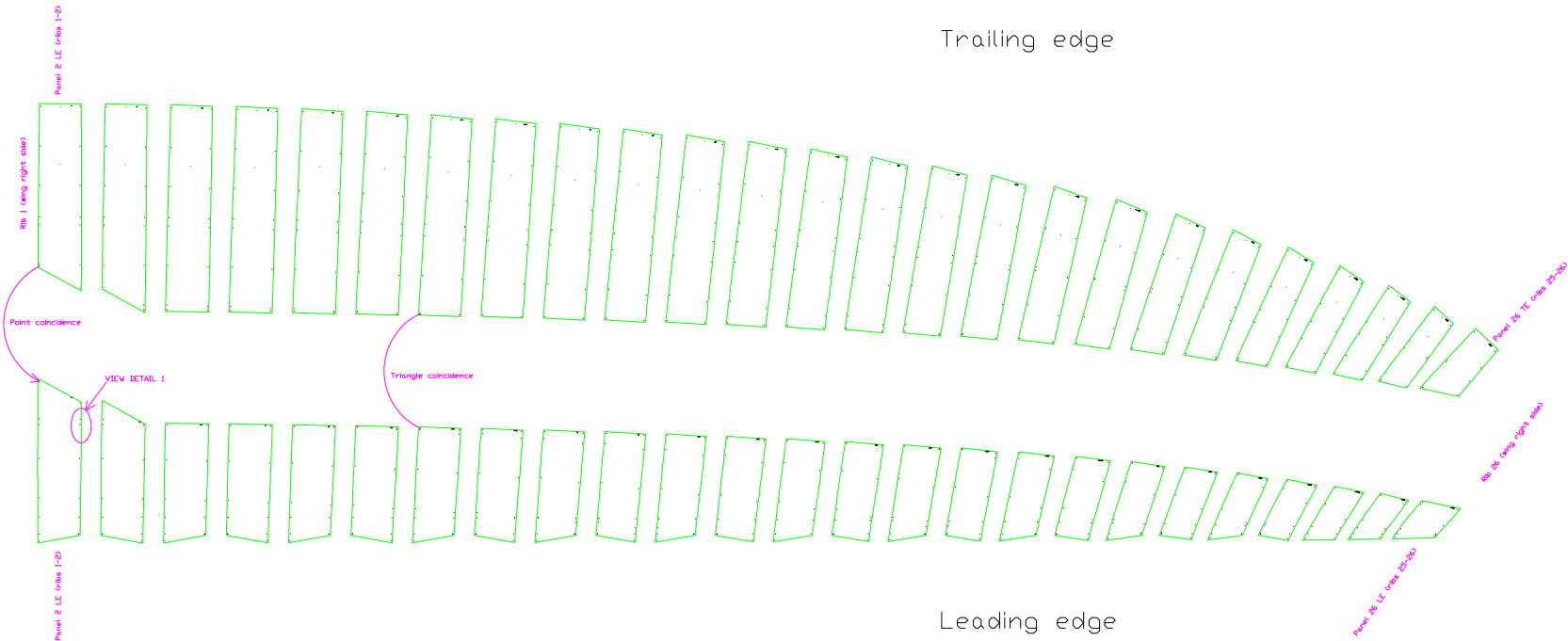




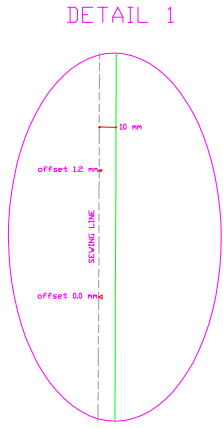
SCALE X 10 (cm to mm)

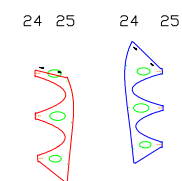
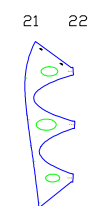
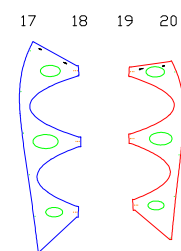
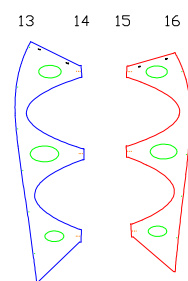
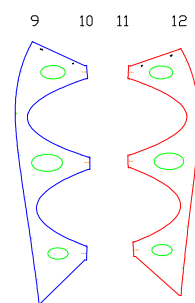
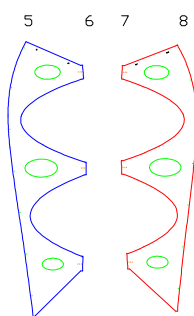
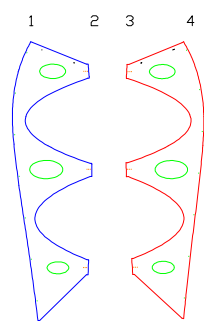


Trailing edge

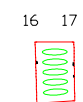
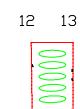
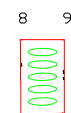
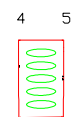
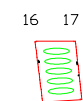
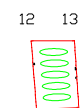
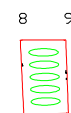
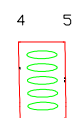
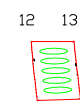
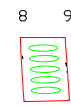
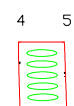


SCALE X 10 (cm to mm)





SCALE X 10 (cm to mm)



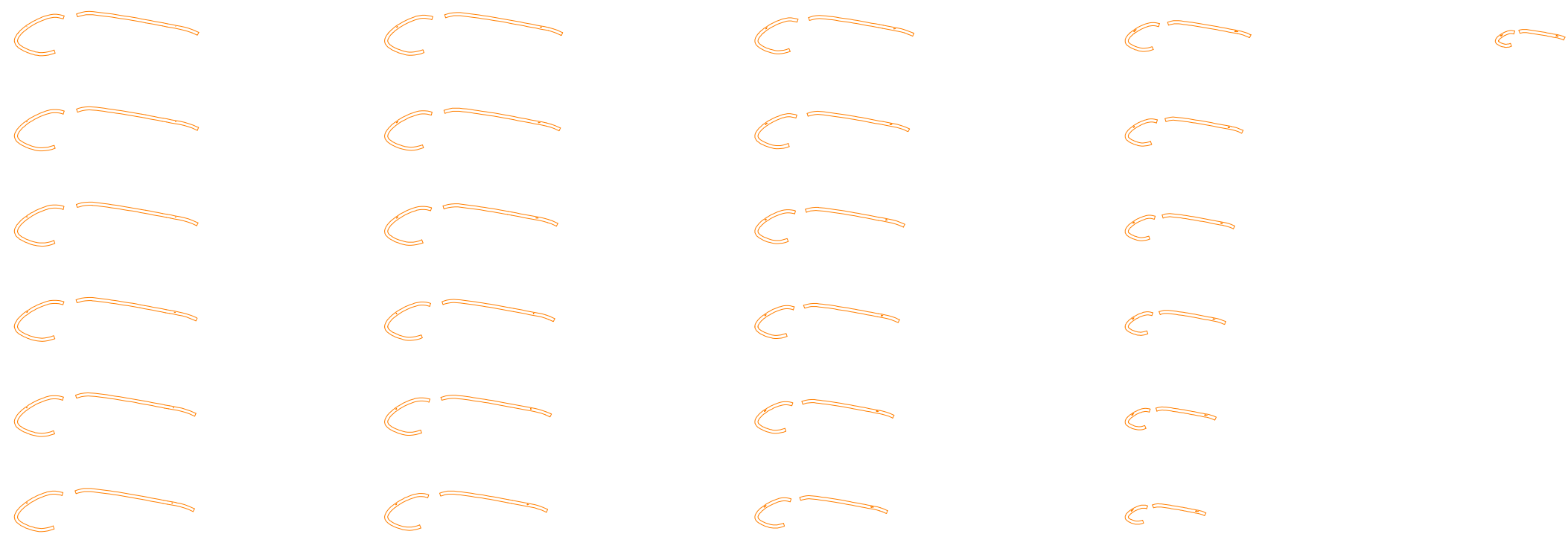
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1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24		

1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24		

SCALE X 10 (cm to mm)

SCALE X 10 (cm to mm)



List of nylon rods (bloc 1)

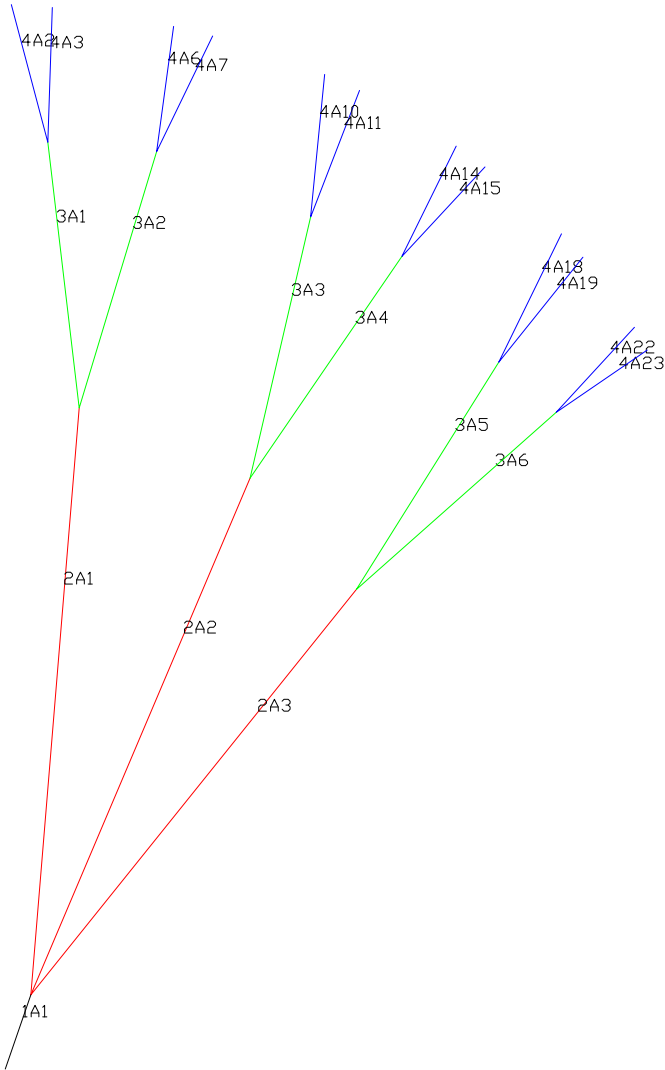
Group	1			
Jonc	1	type	1	82.6
Jonc	2	type	1	82.5
Jonc	3	type	1	82.2
Jonc	4	type	1	81.9
Jonc	5	type	1	81.3
Jonc	6	type	1	80.6
Jonc	7	type	1	79.7
Jonc	8	type	1	78.7
Jonc	9	type	1	77.5
Jonc	10	type	1	76.1
Jonc	11	type	1	74.6
Jonc	12	type	1	73.0
Jonc	13	type	1	71.1
Jonc	14	type	1	69.1
Jonc	15	type	1	67.0
Jonc	16	type	1	64.6
Jonc	17	type	1	62.1
Jonc	18	type	1	59.3
Jonc	19	type	1	56.1
Jonc	20	type	1	52.6
Jonc	21	type	1	48.8
Jonc	22	type	1	44.8
Jonc	23	type	1	40.4
Jonc	24	type	1	35.8
Jonc	25	type	1	30.8

List of nylon rods (bloc 2)

Group	1			
Jonc	1	type	4	99.3
Jonc	2	type	4	99.2
Jonc	3	type	4	98.9
Jonc	4	type	4	98.4
Jonc	5	type	4	97.7
Jonc	6	type	4	96.9
Jonc	7	type	4	95.8
Jonc	8	type	4	94.6
Jonc	9	type	4	93.2
Jonc	10	type	4	91.5
Jonc	11	type	4	89.7
Jonc	12	type	4	87.7
Jonc	13	type	4	85.5
Jonc	14	type	4	83.1
Jonc	15	type	4	80.5
Jonc	16	type	4	77.7
Jonc	17	type	4	74.7
Jonc	18	type	4	71.3
Jonc	19	type	4	67.5
Jonc	20	type	4	63.2
Jonc	21	type	4	58.7
Jonc	22	type	4	53.8
Jonc	23	type	4	48.6
Jonc	24	type	4	43.0
Jonc	25	type	4	37.0

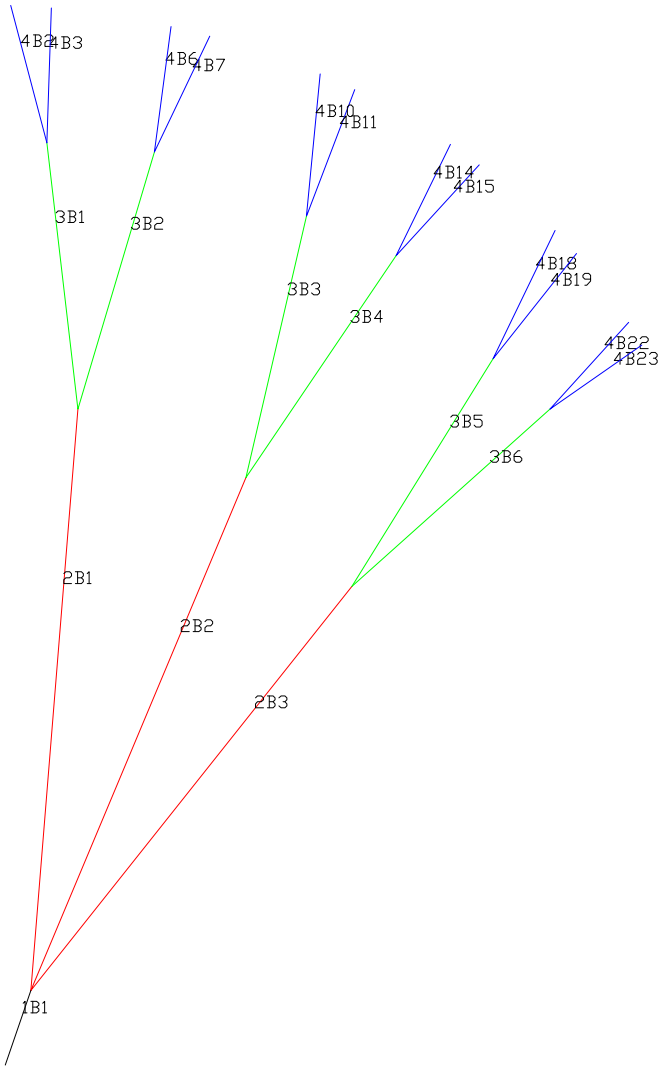
Line - Label - Length

1	1A1	47.0
2	2A1	351.9
3	2A2	334.9
4	2A3	309.9
5	3A1	159.9
6	3A2	159.9
7	3A3	159.9
8	3A4	159.9
9	3A5	160.0
10	3A6	160.0
11	4A2	85.1
12	4A3	80.6
13	4A6	75.5
14	4A7	76.7
15	4A10	85.8
16	4A11	81.2
17	4A14	73.5
18	4A15	73.1
19	4A18	85.4
20	4A19	80.2
21	4A22	69.2
22	4A23	66.9



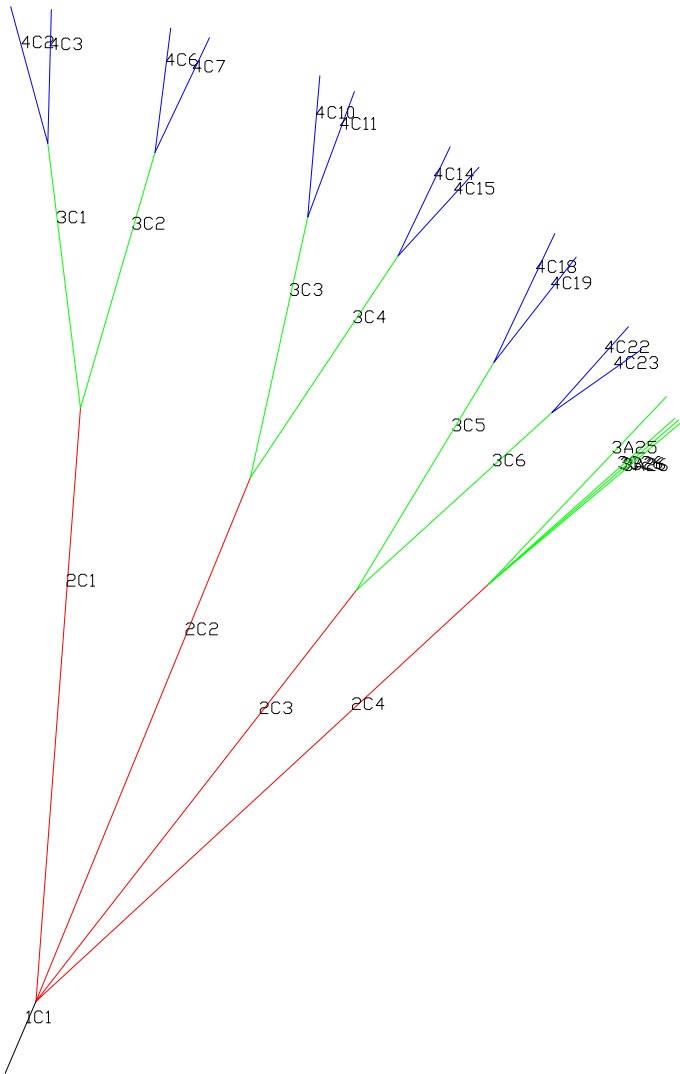
Line - Label - Length

23	1B1	47.0
24	2B1	347.9
25	2B2	331.9
26	2B3	308.9
27	3B1	159.9
28	3B2	159.9
29	3B3	159.9
30	3B4	159.9
31	3B5	160.0
32	3B6	160.0
33	4B2	84.7
34	4B3	80.3
35	4B6	75.5
36	4B7	76.7
37	4B10	85.4
38	4B11	81.0
39	4B14	74.0
40	4B15	73.7
41	4B18	85.0
42	4B19	80.3
43	4B22	70.2
44	4B23	68.0



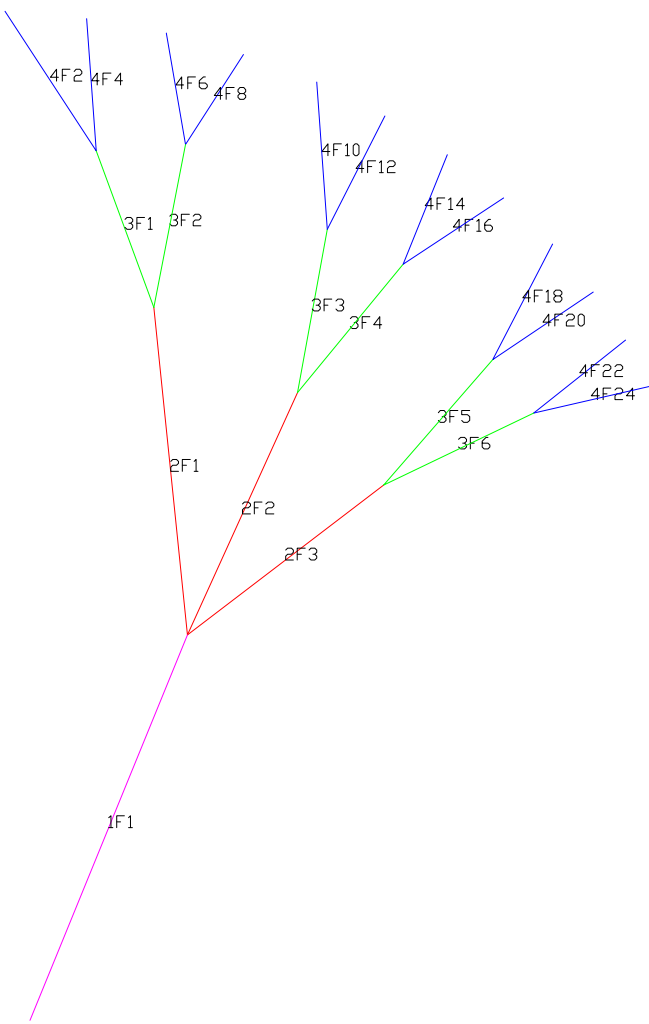
Line - Label - Length

45	1C1	47.0
46	2C1	356.9
47	2C2	340.0
48	2C3	314.0
49	2C4	370.0
50	3C1	160.0
51	3C2	160.0
52	3C3	160.0
53	3C4	160.0
54	3C5	160.0
55	3C6	160.0
56	3A25	154.3
57	3A26	151.5
58	3B26	153.8
59	3C26	159.2
60	4C2	84.9
61	4C3	80.4
62	4C6	75.1
63	4C7	76.1
64	4C10	85.1
65	4C11	80.5
66	4C14	72.7
67	4C15	72.2
68	4C18	85.4
69	4C19	80.5
70	4C22	69.2
71	4C23	66.5



Line - Label - Length

72	1F1	254.0
73	2F1	200.0
74	2F2	162.0
75	2F3	150.0
76	3F1	101.0
77	3F2	101.0
78	3F3	101.0
79	3F4	101.0
80	3F5	101.0
81	3F6	101.0
82	4F2	100.7
83	4F4	80.6
84	4F6	68.4
85	4F8	64.9
86	4F10	89.5
87	4F12	77.4
88	4F14	71.8
89	4F16	73.0
90	4F18	79.1
91	4F20	73.4
92	4F22	71.3
93	4F24	71.9





RECOMMENDED RIB REINFORCEMENTS

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: Internal structure (informative)
- 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: Extrados and intrados without divisions
- 4-1: Vault view (informative)

4-2: Lateral view (informative)

4-3: Brake distribution (informative)

4-4: Ovalized airfoils (informative)

4-5: Brake lines

4-6: Reinforcements details

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): 10.00

Width in leading edge ex (mm): 10.00

Width in trailing edge ex (mm): 20.00

Lateral width in intrados (mm): 10.00

Width in leading edge in (mm): 10.00

Width in trailing edge in (mm): 20.00

Lateral width in ribs (mm): 10.00

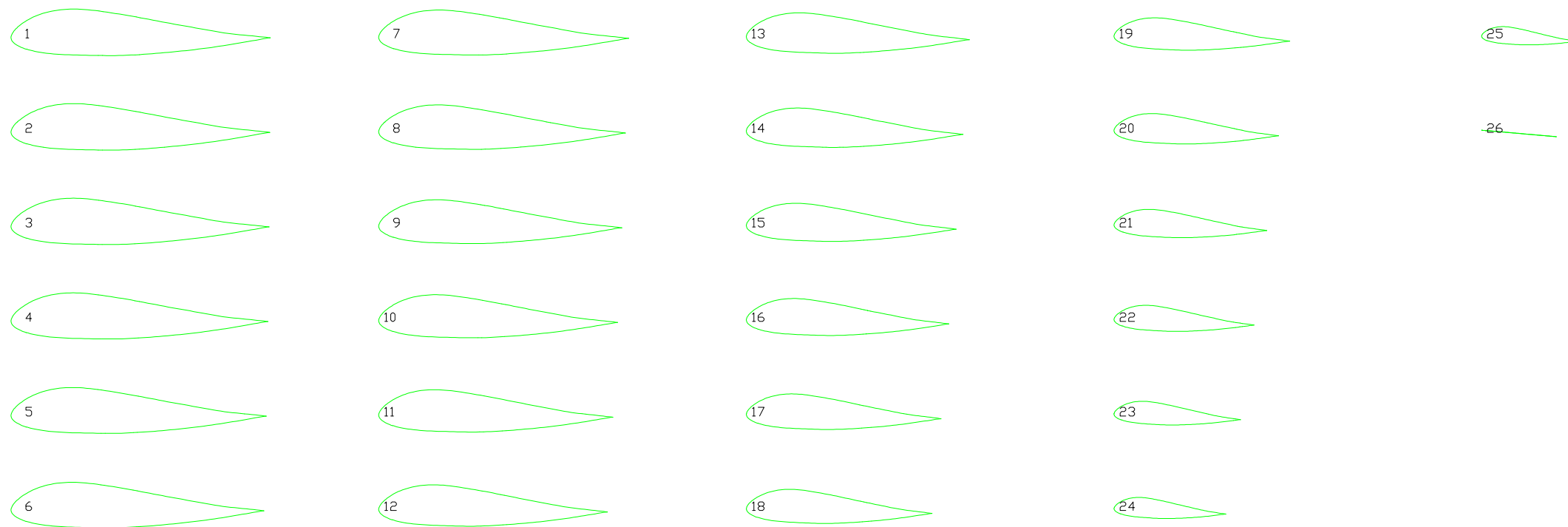
Lateral width in V-ribs (mm): 10.00

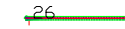
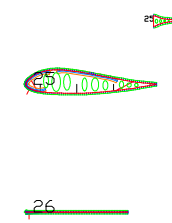
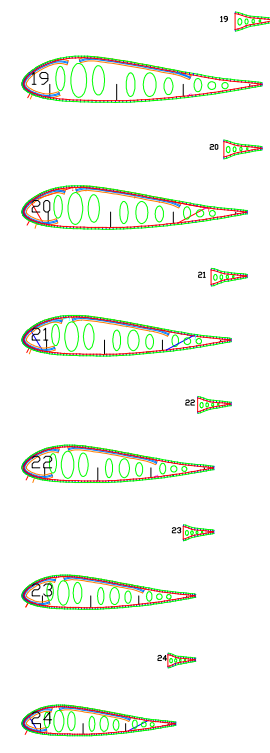
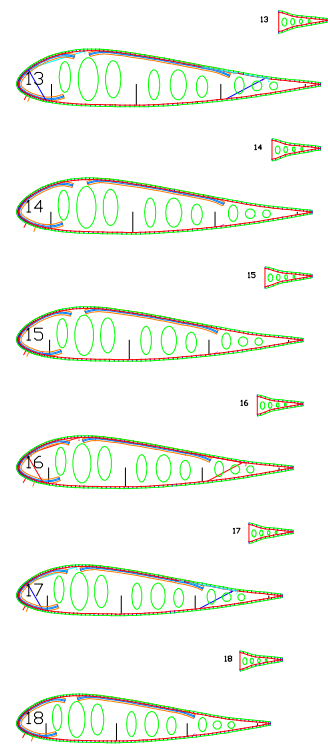
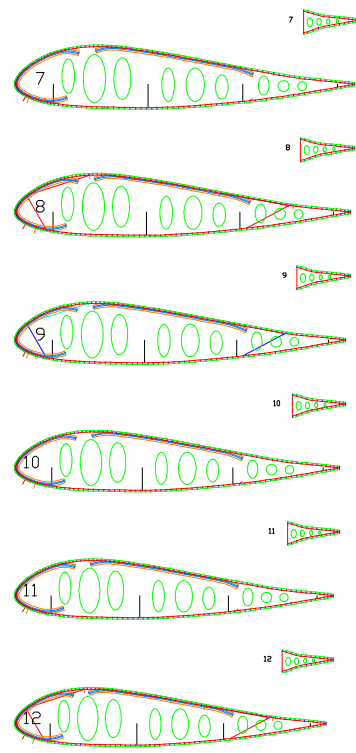
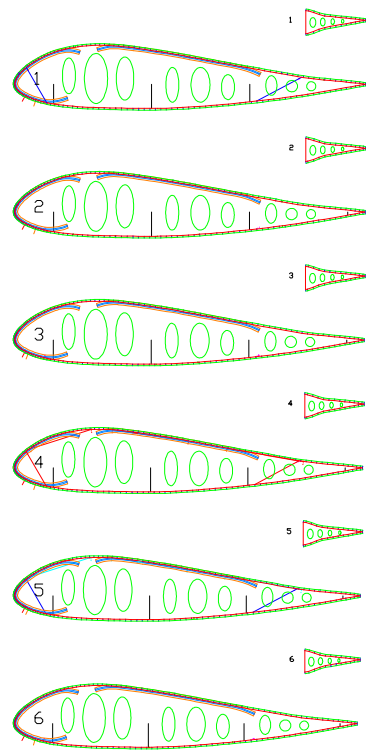
General offset lateral points (mm): 1.20
- Distance between equidistant points (cm): 25.00

“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	=	
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Number	22	=	
Number	23	=	
Number	24	=	
Number	25	=	
Number	26	=	

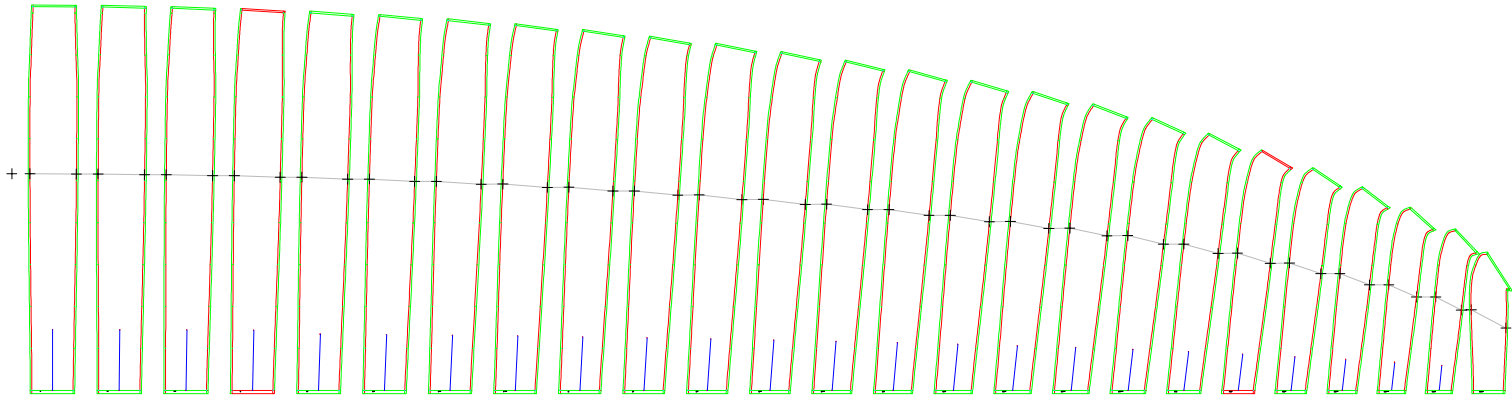




Leading edge

Trailing edge

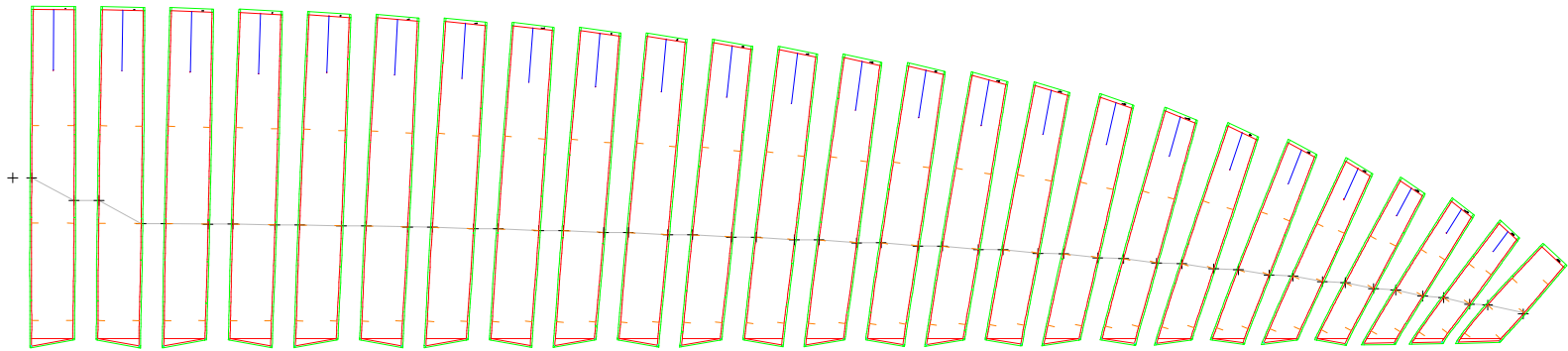
1-3 EXTRADOS PANELS

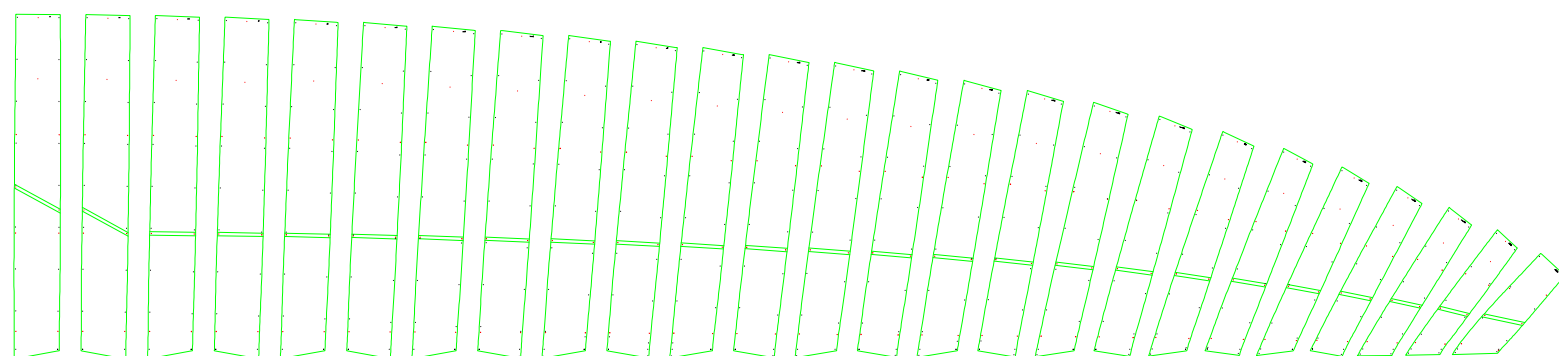
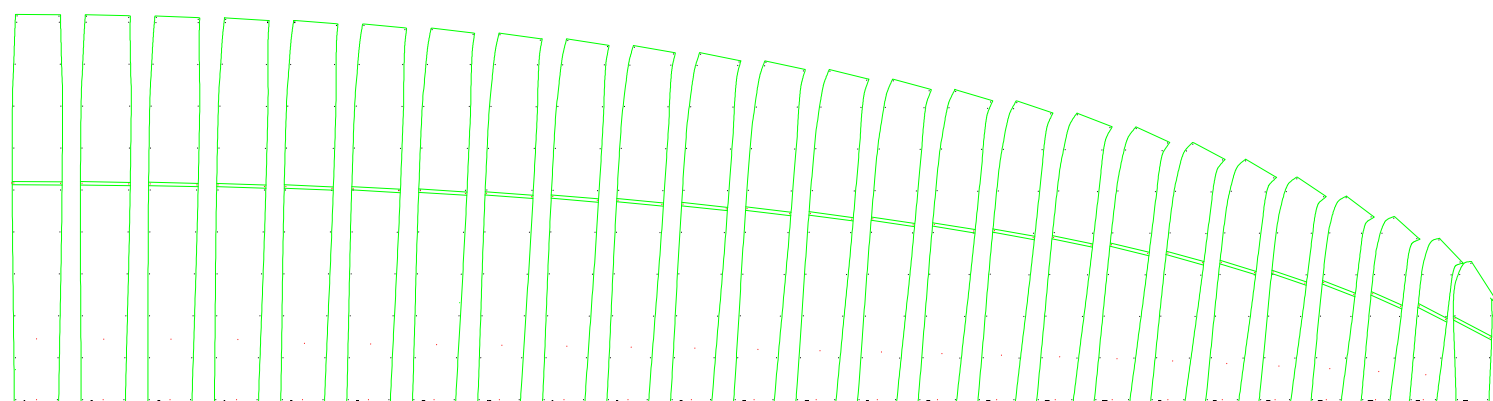


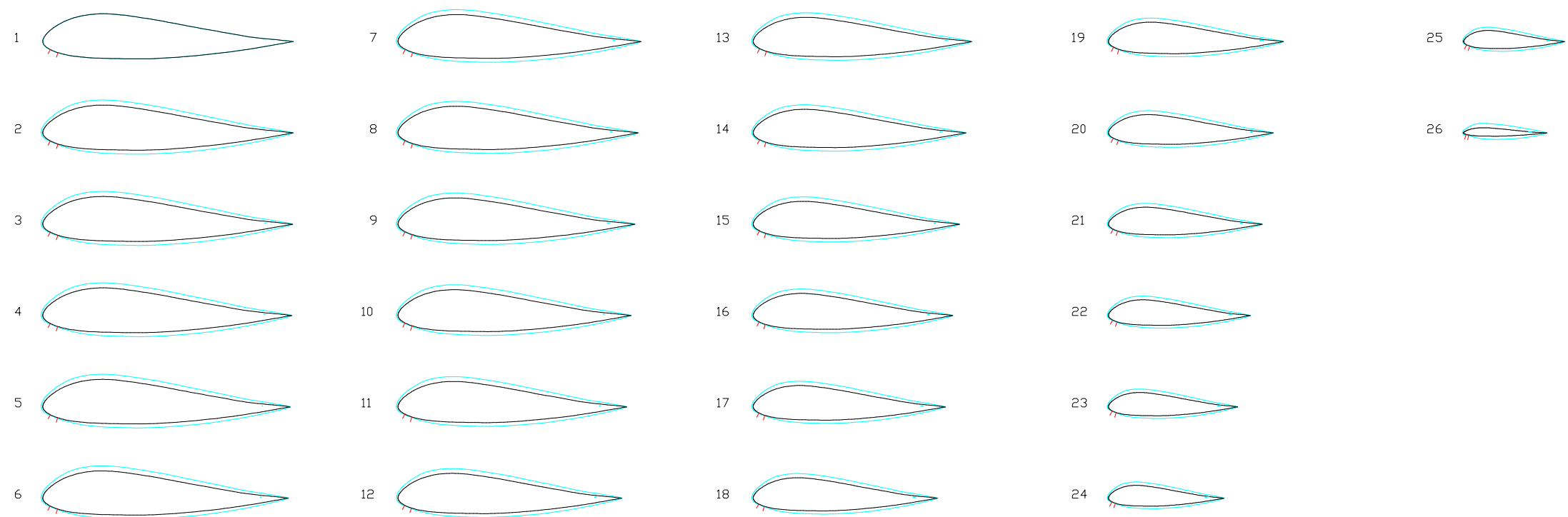
Trailing edge

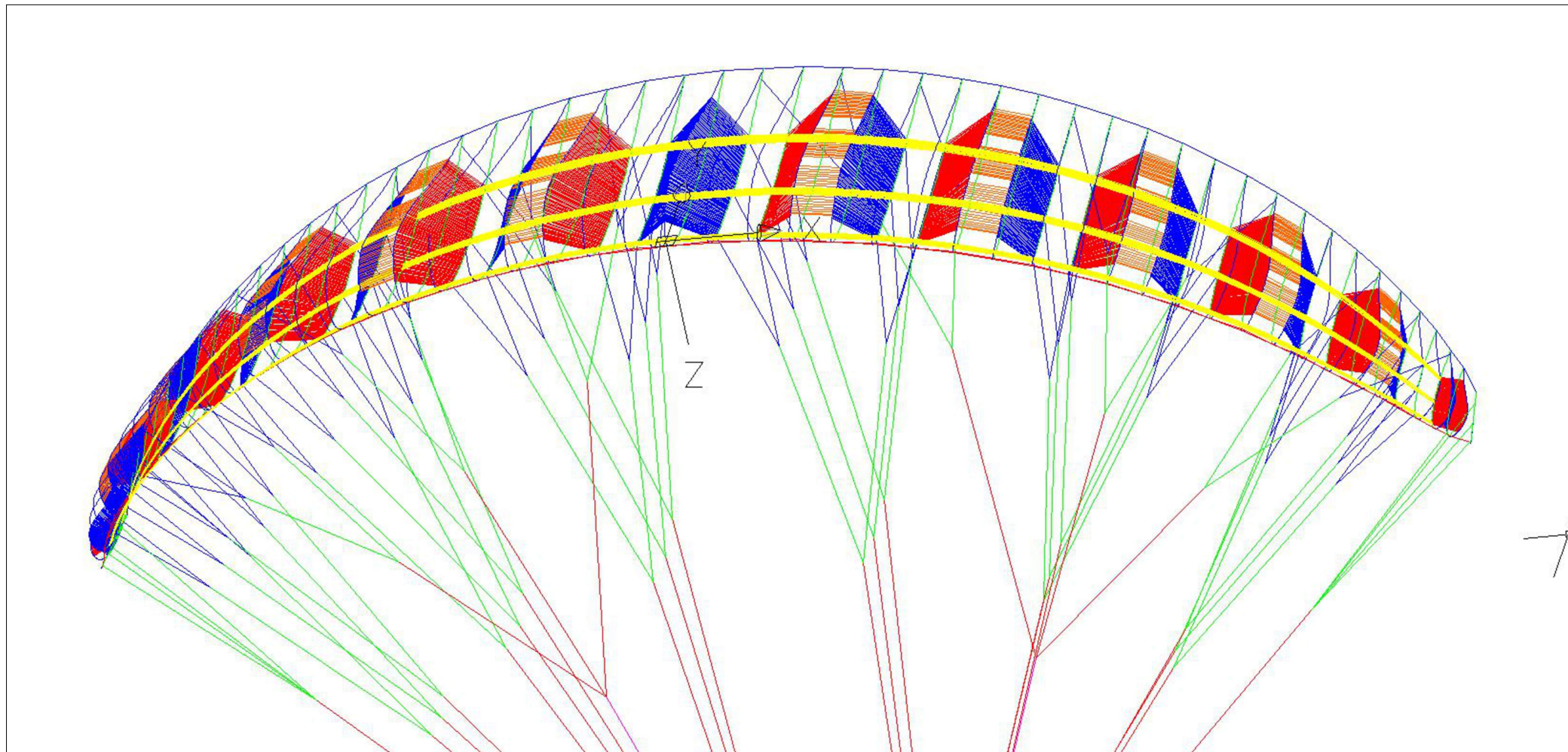
Leading edge

2-3 INTRADOS PANELS

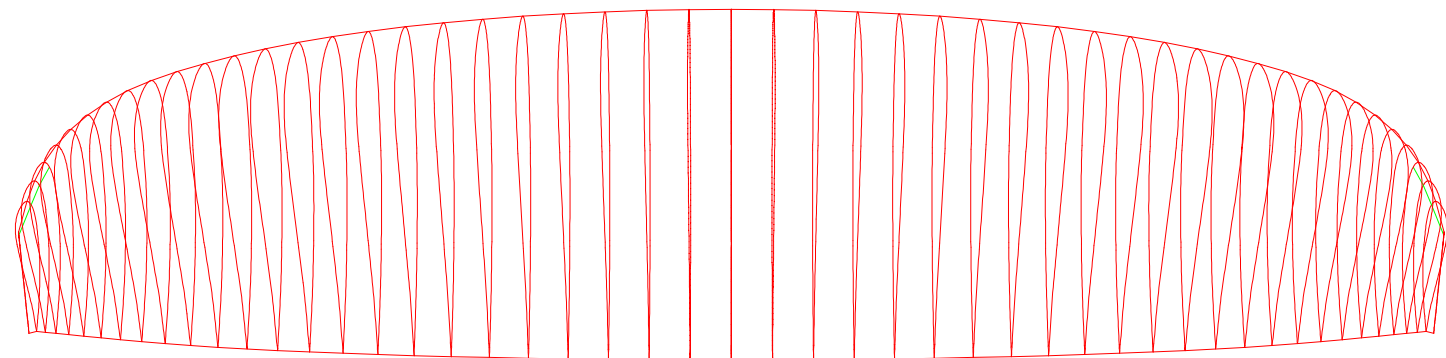




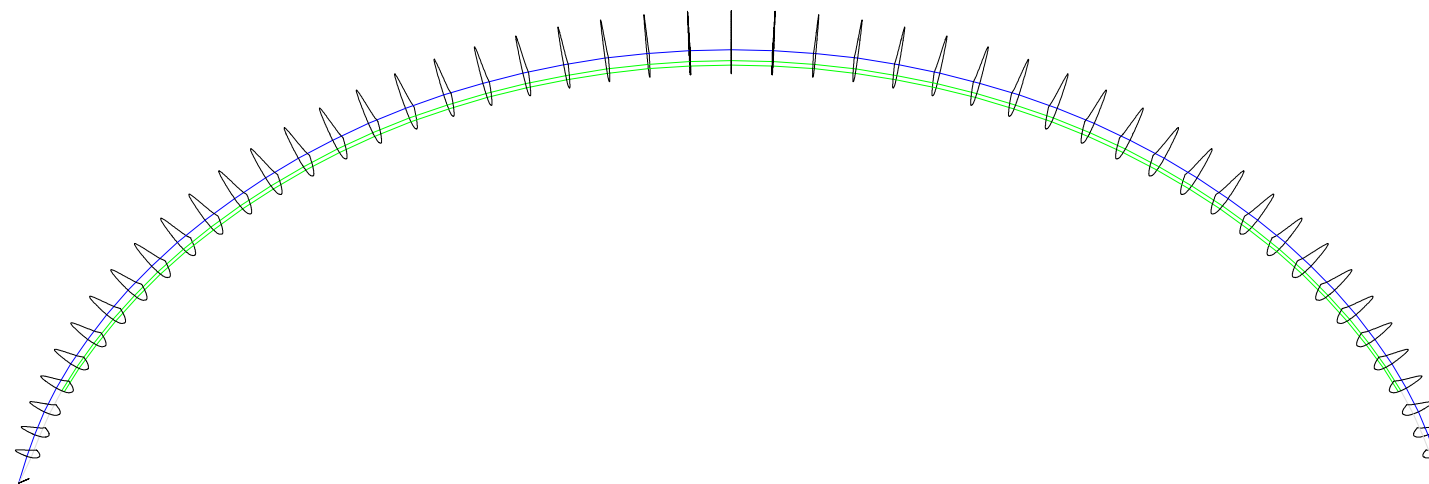




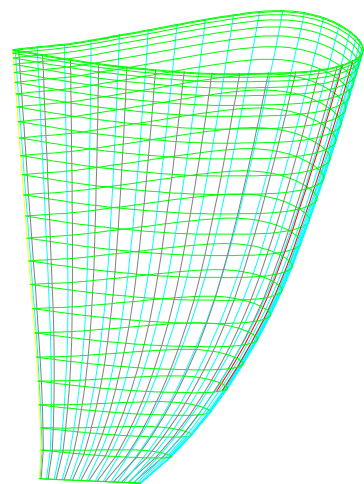
2-7 Internal structure



3-1 UPPER VIEW



4-1 VAULT VIEW



4-2 LATERAL VIEW