

Aerotracknow V1

Designed by Szymon

Kite skins generated by Surfplan (demo) - Thu Dec 18 21:10:27 2025

Flat kite wingspan is 0.632 (metres)

Maximum chord is 0.303 (metres)

Aspect ratio is 2.576

Centre profile name "DA2"

Wingtip profile name "DA2"

Flat kite area = 0.155 (metres squared)

Adjusted kite area (area/1.36) = 0.114 (metres squared)

Active lift area = 0.141 (metres squared)

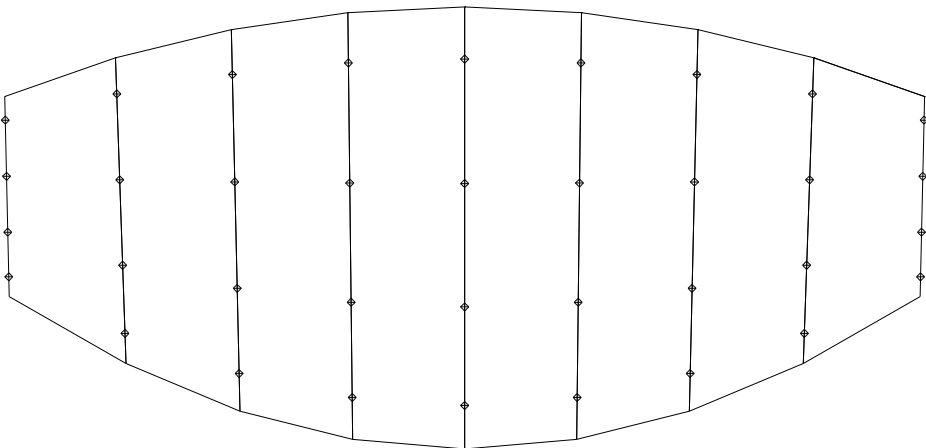
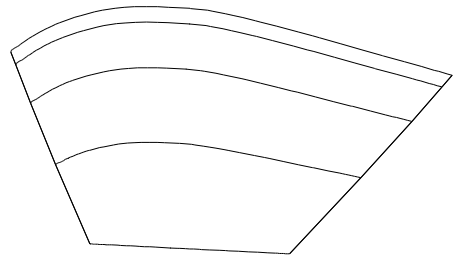
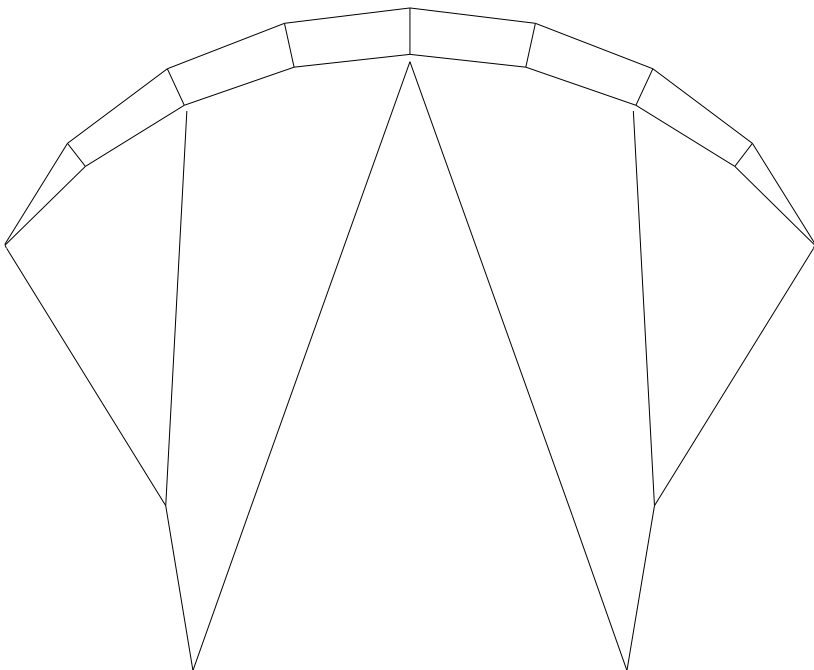
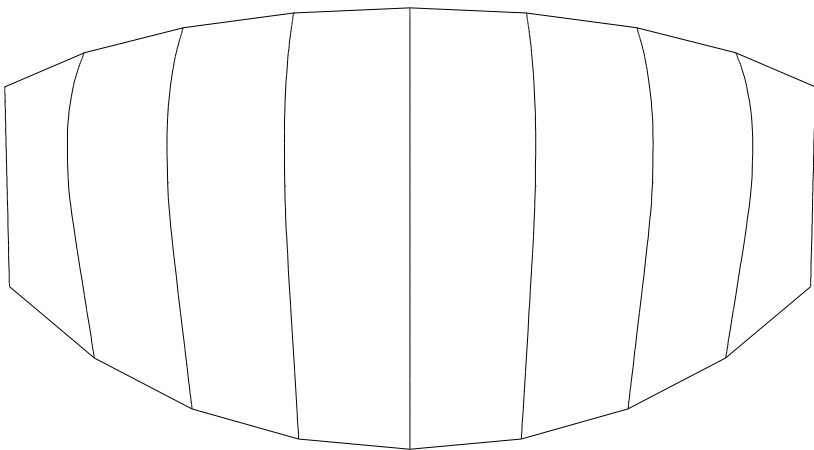
Leading edge length = 0.646 (metres)

Trailing edge length = 0.667 (metres)

Coning AoA (centre) = 3.000 degrees

Coning AoA (tip) = 3.000 degrees

NOTE - no profile at wingtips



Bridle Dimensions

Bridled as a 4-line kite

Centre bridled at 18.0%

Tip bridled at 18.0%

Measurements given in mm

Primary Bridle

	A	B	C	(D)Brakes
Rib 1	210	215	226	204
Rib 3	275	278	301	277
Rib 5	335	340	366	456

Total Primary bridle = 6.96m (+15% for knots = 8.01m)

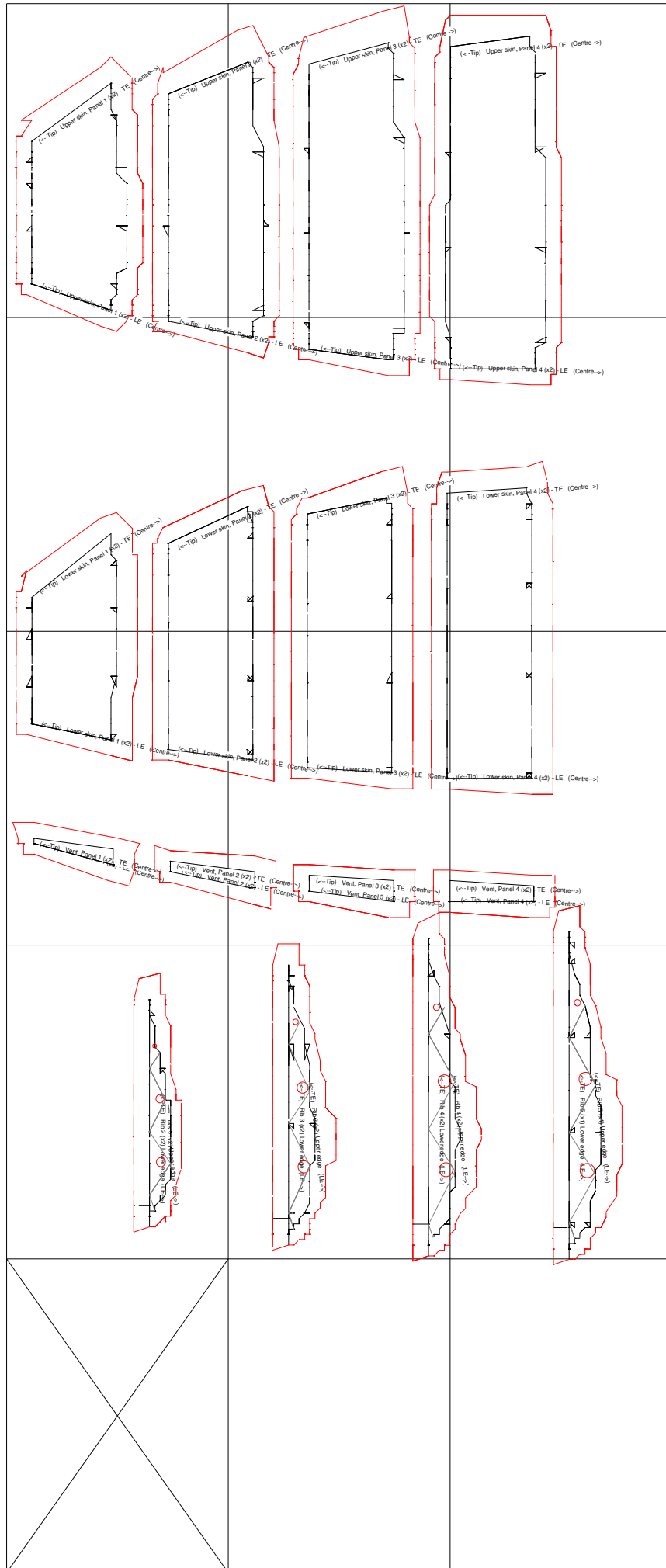
Secondary Bridle

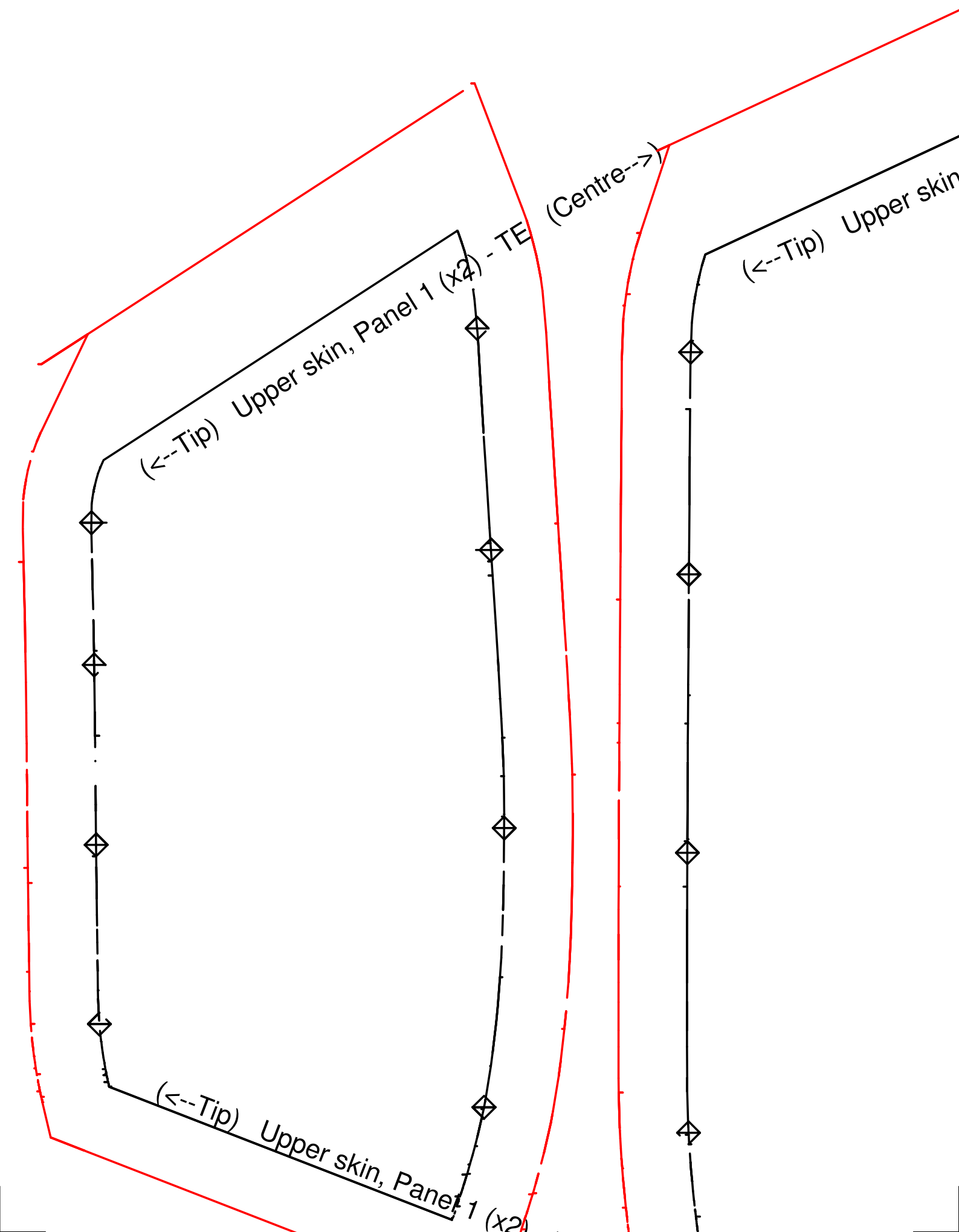
	Power	Brakes
Rib 1	114	118
Rib 5	114	0

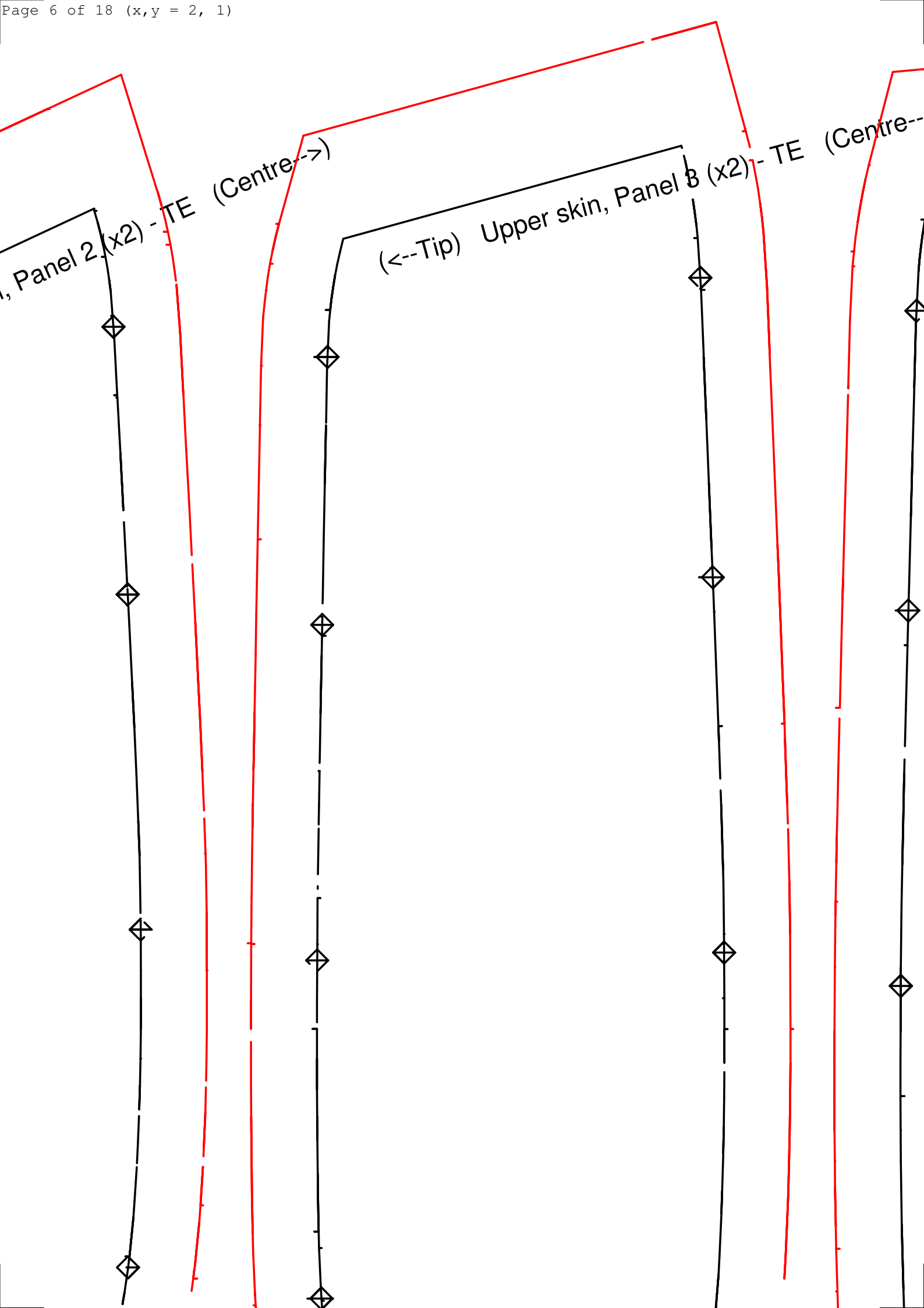
Total Secondary bridle = 0.69m (+15% for knots = 0.80m)

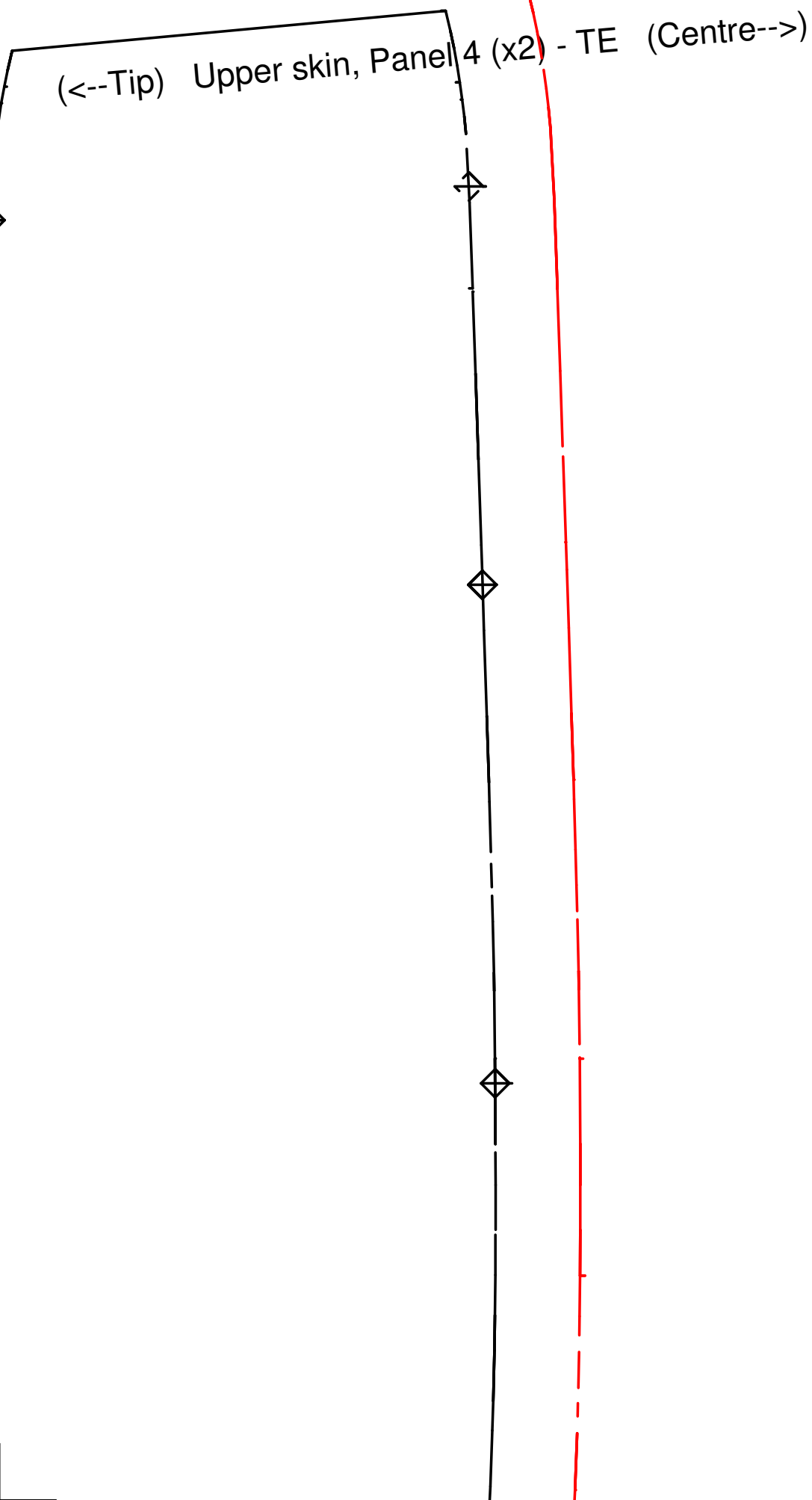
Main towpoint seperation = 298

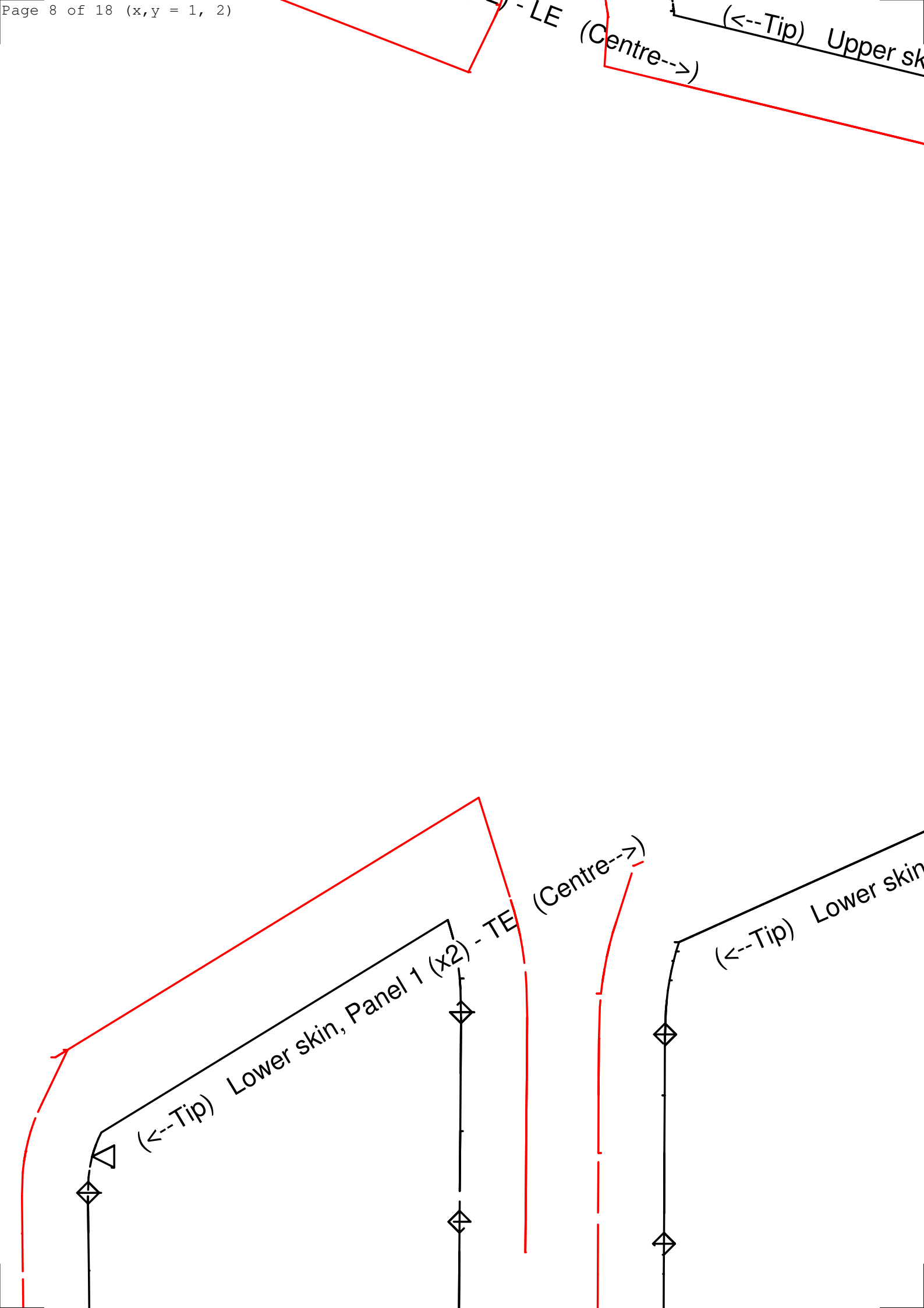
Brake towpoint seperation = 298











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Upper skin, Panel 2 (x2) - LE (Centre-->) (<--Tip) Upper skin, Panel 3 (x2) - LE (Centre

Diagram illustrating the geometry of a three-panel antenna array. The structure consists of three vertical panels, each represented by a vertical line with diamond-shaped markers. The top of the array is connected by a horizontal line. Labels indicate the panels and their dimensions:

- Panel 2 (x2) - TE (Centre-->)
- Lower skin, Panel 3 (x2) - TE (Centre-->)
- Panel 3 (x2) - TE (Centre-->)

Additional labels include (<--Tip) and (<--Tip) indicating the tip of the antenna structure.

