

3mTestKite

Designed by reyrivera

Kite skins generated by Surfplan (demo) - Fri May 03 10:39:07 2013

Flat kite wingspan is 3.500 (metres)

Maximum chord is 1.367 (metres)

Aspect ratio is 3.168

Centre profile name "DA2"

Wingtip profile name "DA2"

Flat kite area = 3.867 (metres squared)

Adjusted kite area (area/1.36) = 2.843 (metres squared)

Active lift area = 2.798 (metres squared)

Leading edge length = 3.767 (metres)

Trailing edge length = 3.500 (metres)

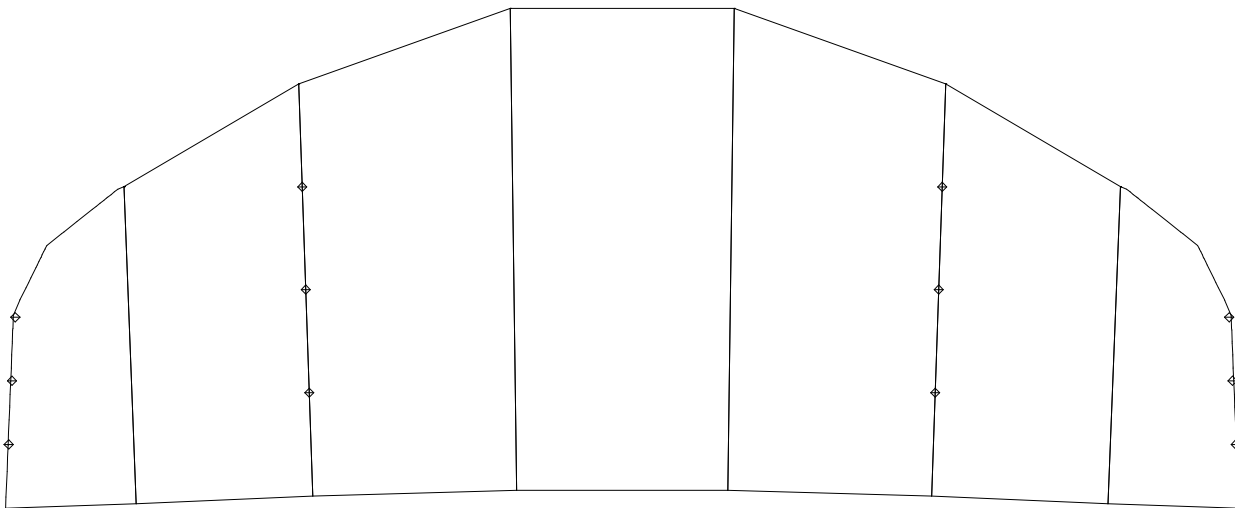
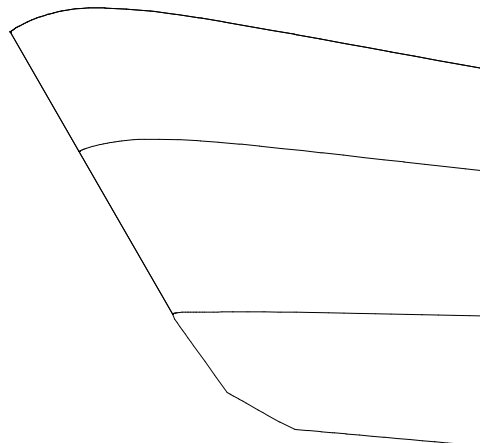
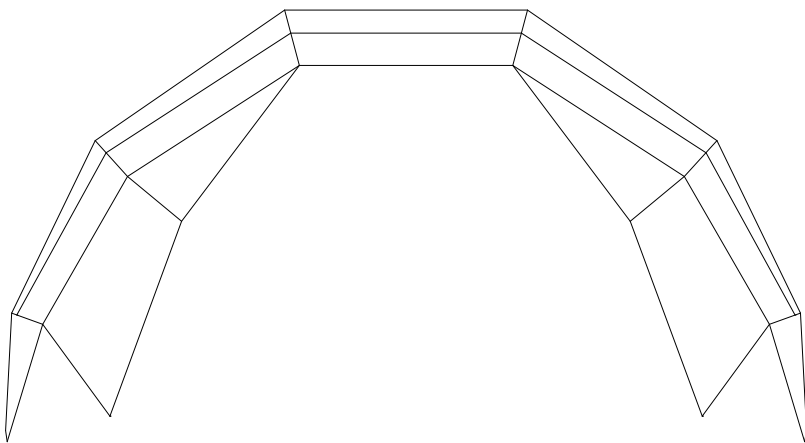
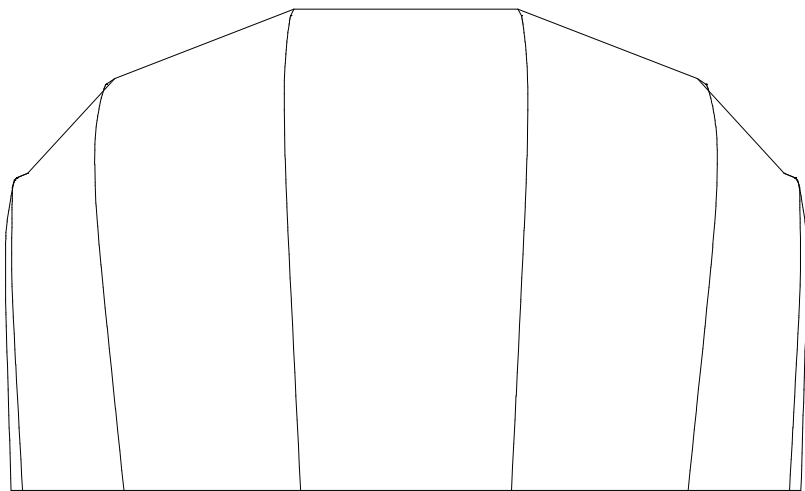
Approximate rib strut dimensions...

Rib 3 - length 1.129m, middle diam 0.061m, TE diam 0.035m

Coning AoA (centre) = 3.000 degrees

Coning AoA (tip) = -1.000 degrees

NOTE - no profile at wingtips



Bridle Dimensions

Bridled as a 4-line kite

Centre bridled at 4.0%

Tip bridled at 4.0%

Measurements given in mm

Primary Bridle

Level 1 (top)	A	B
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Rib 2	476	
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Rib 3	222	
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Rib 4	562	
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Level 2 (risers)	A	B
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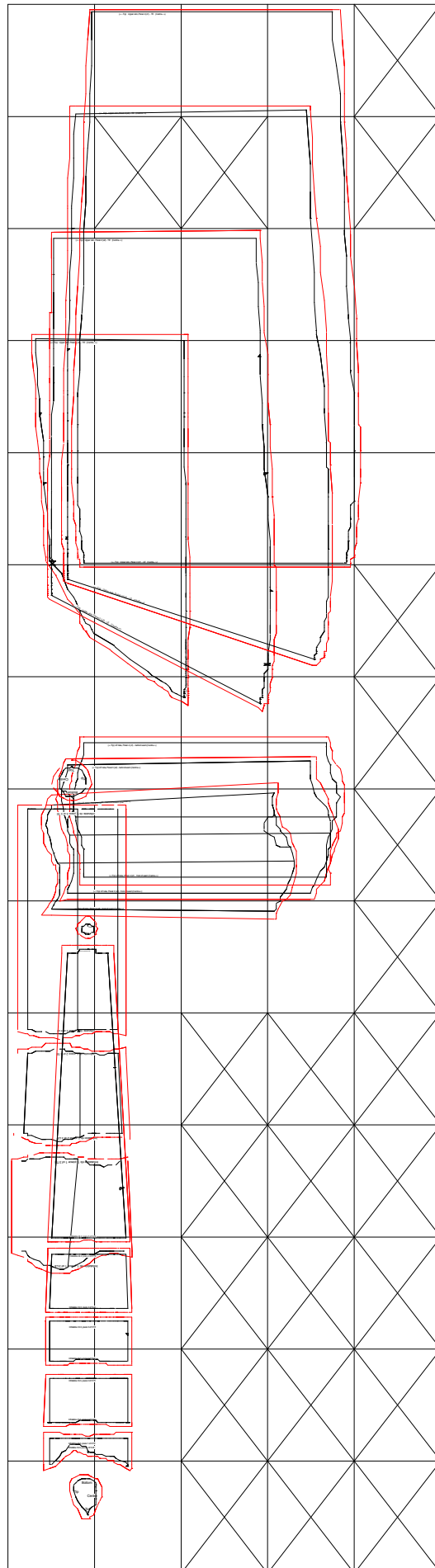
Rib 2		
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Rib 3	589	
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Total Primary bridle = 3.70m (+15% for knots = 4.25m)

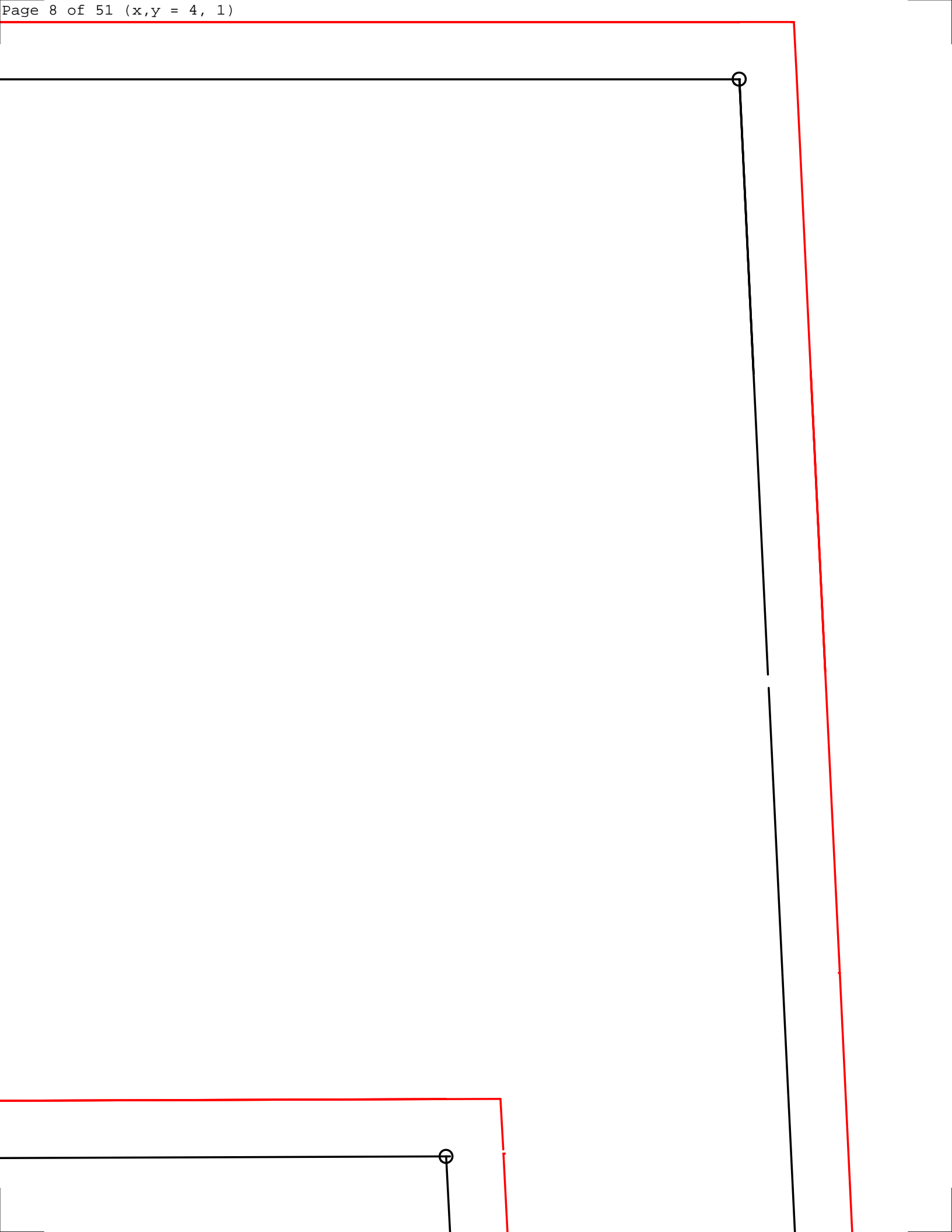
Main towpoint separation = 1680

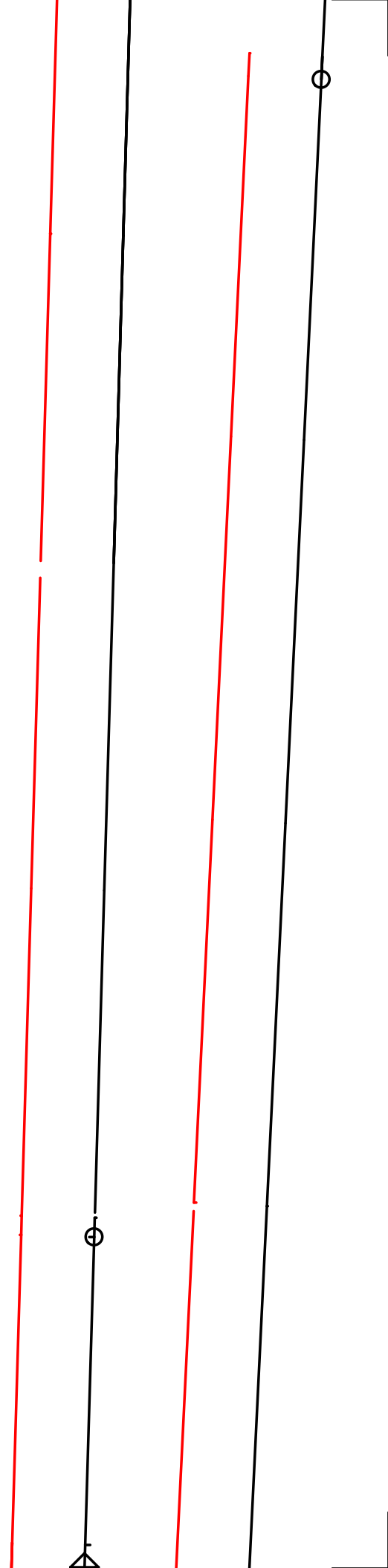
Brake towpoint separation = 1680

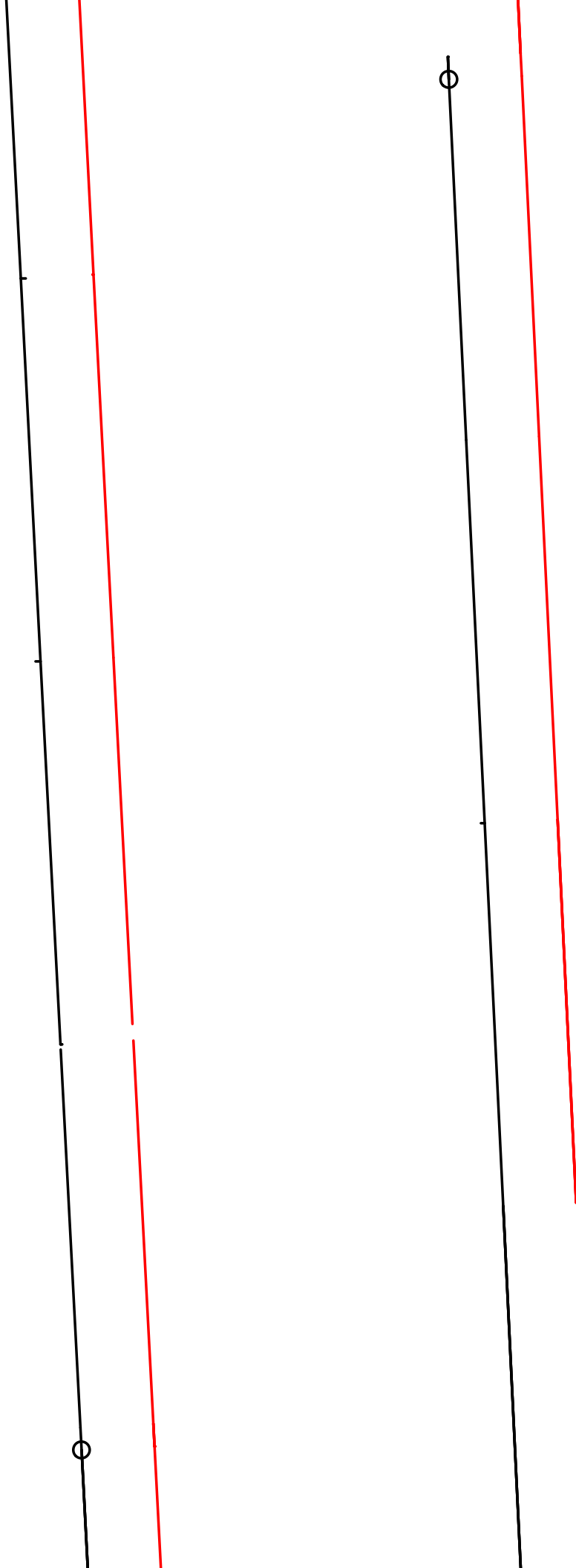


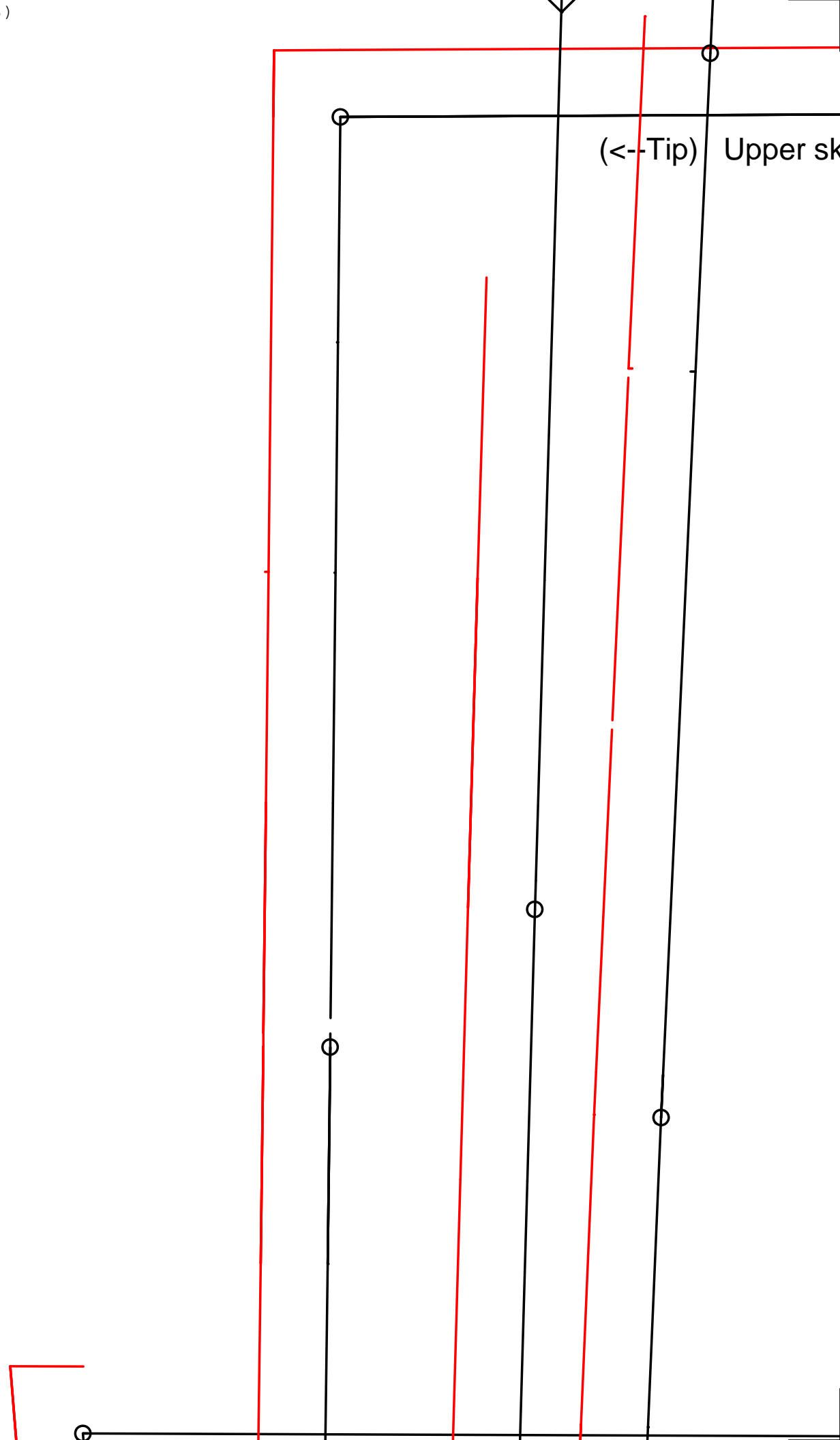
(<--Tip) Upper skin, Panel 4 (x1) - TE (Centre-->)

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

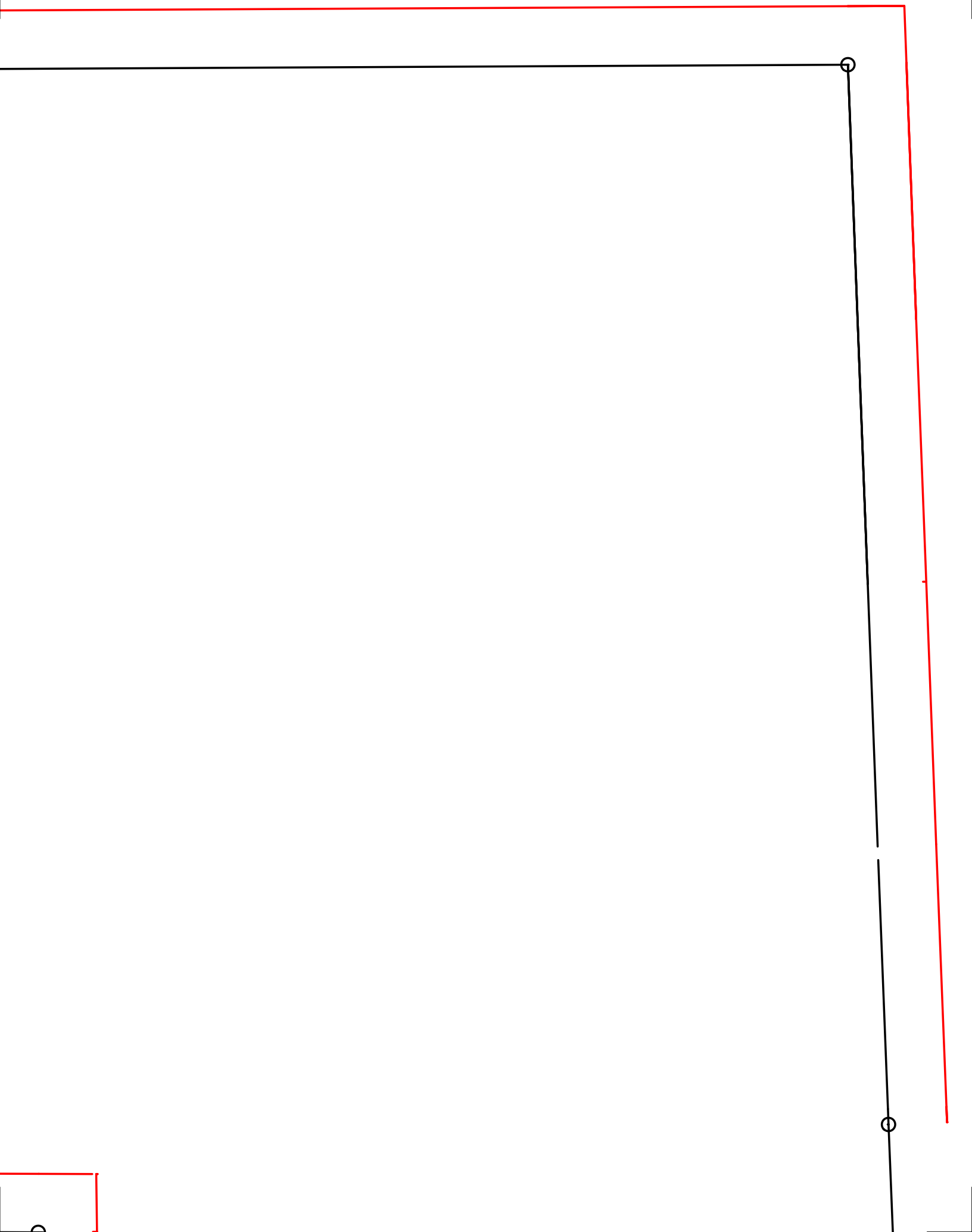


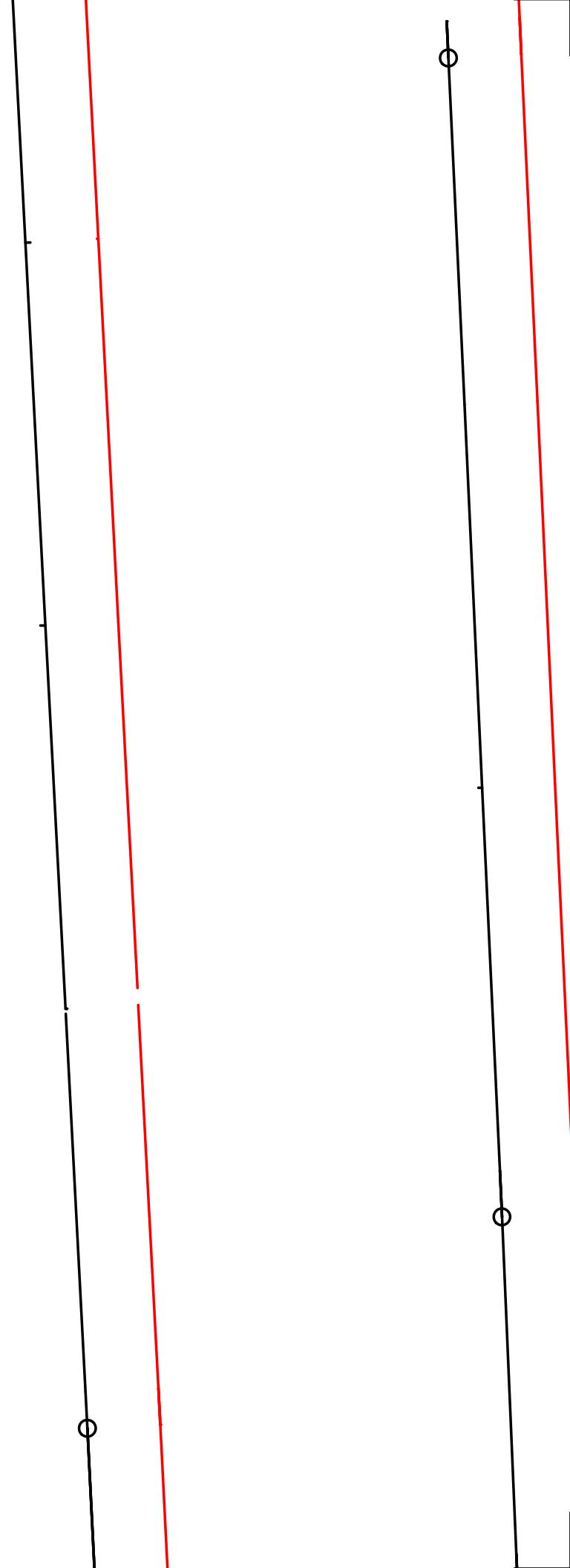


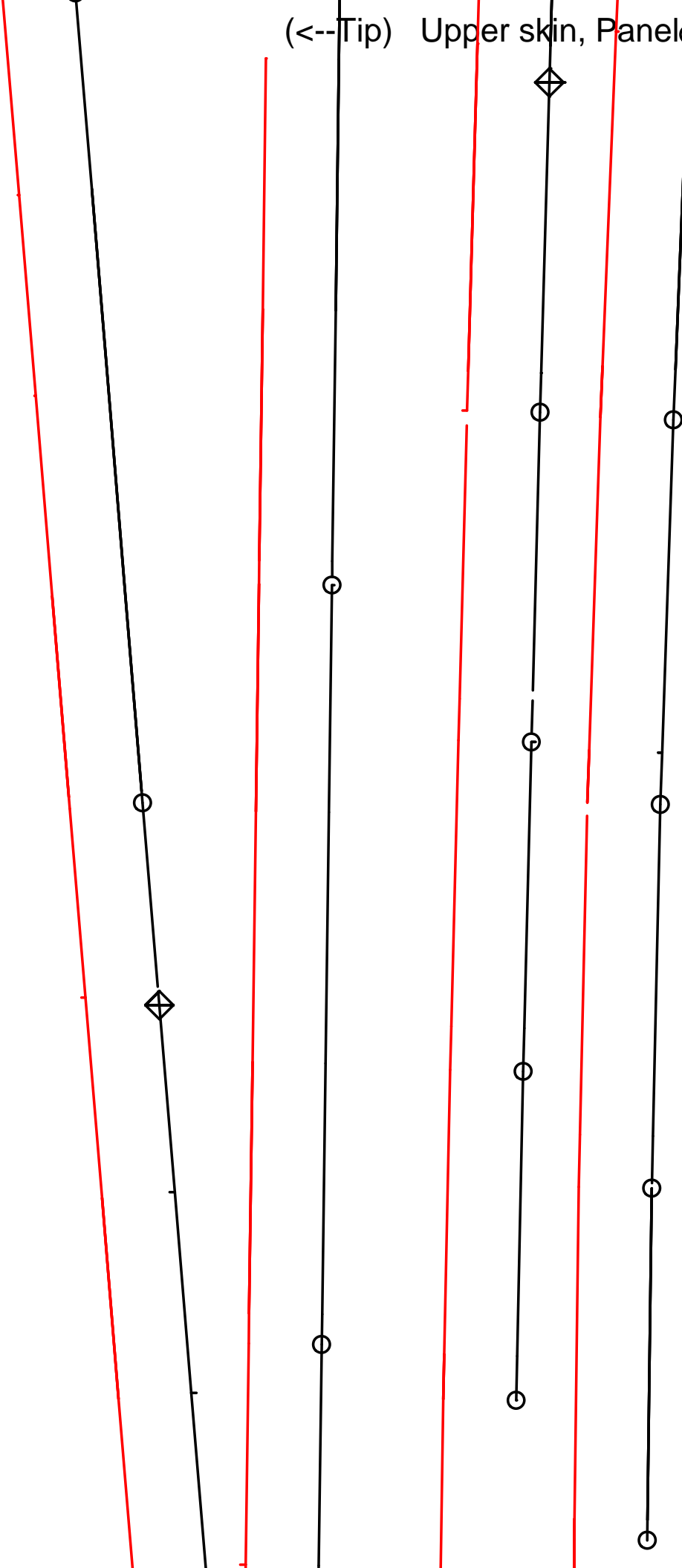




kin, Panel 2 (x2) - TE (Centre-->)



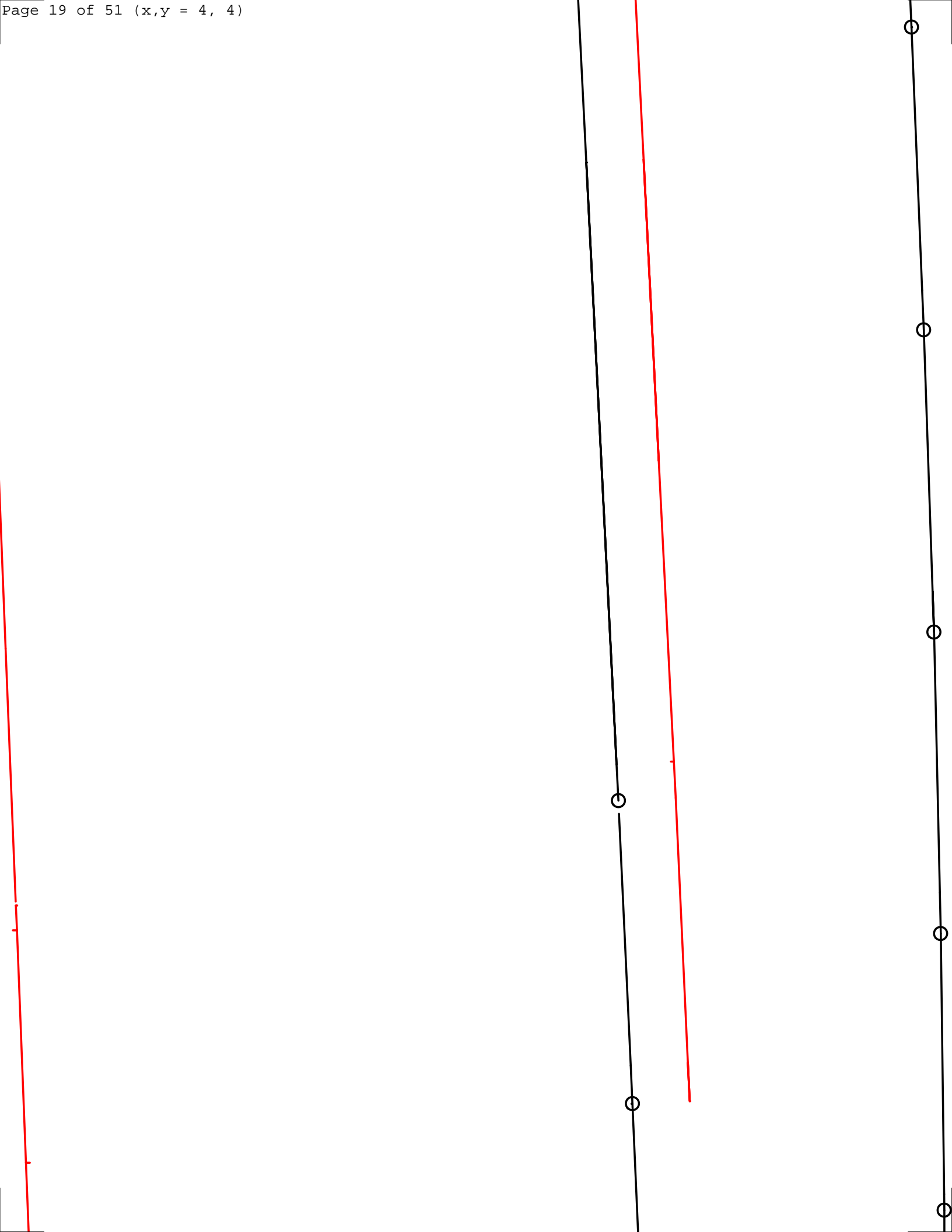


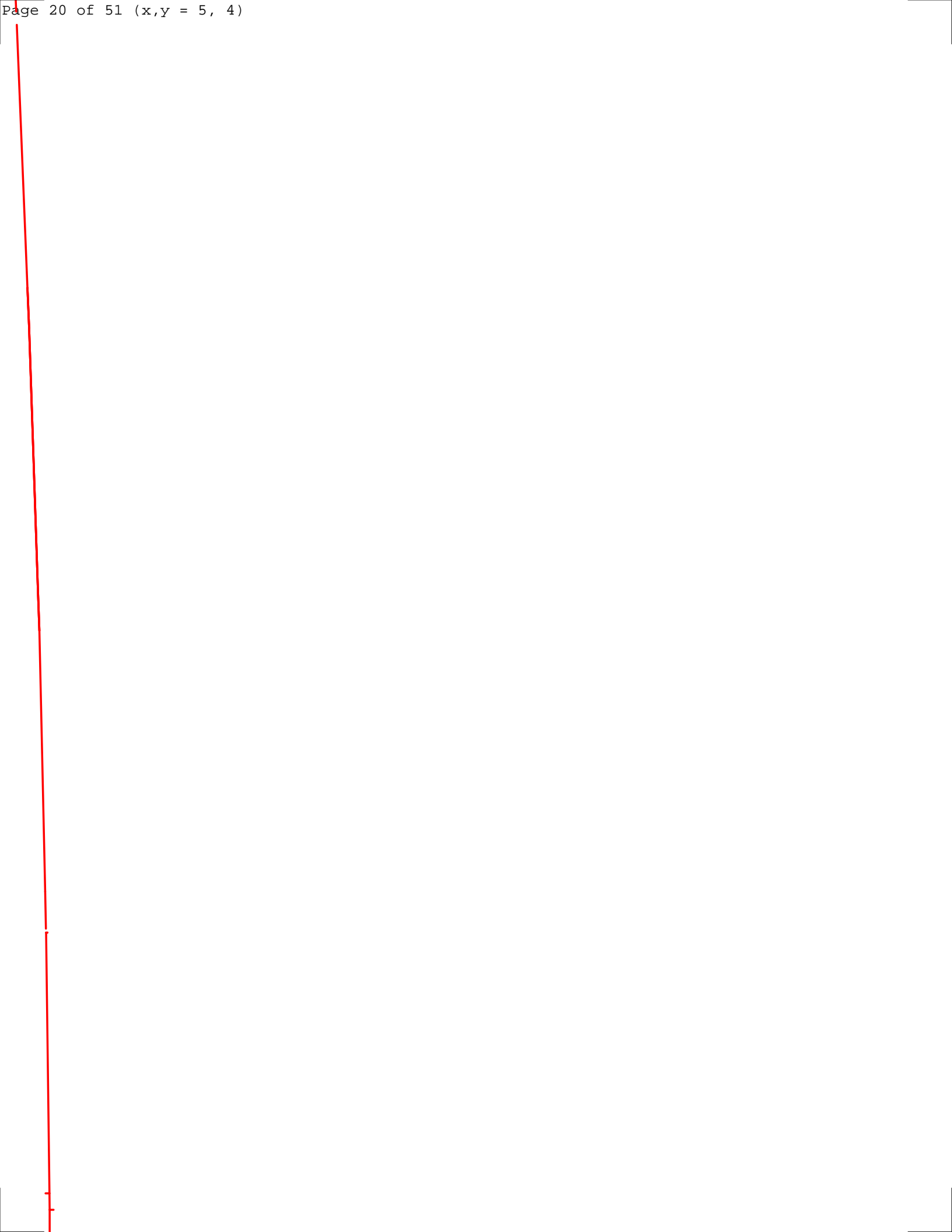


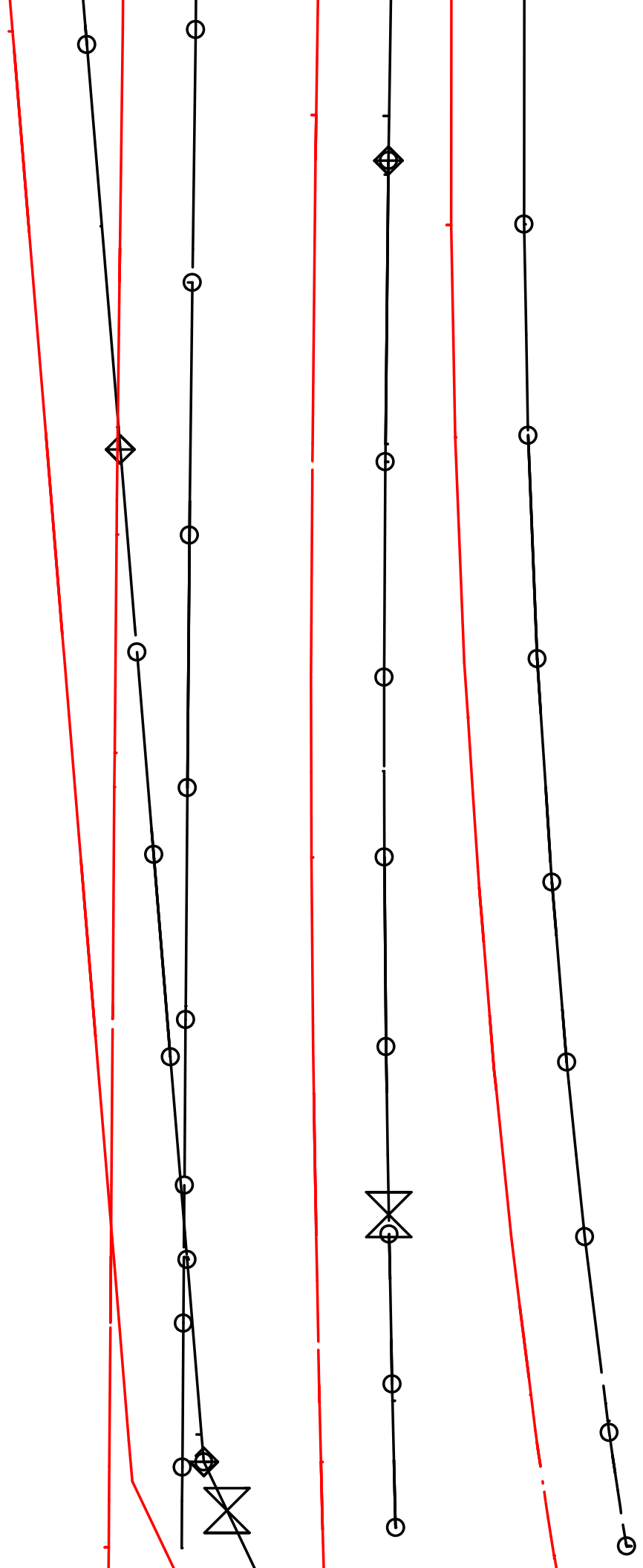
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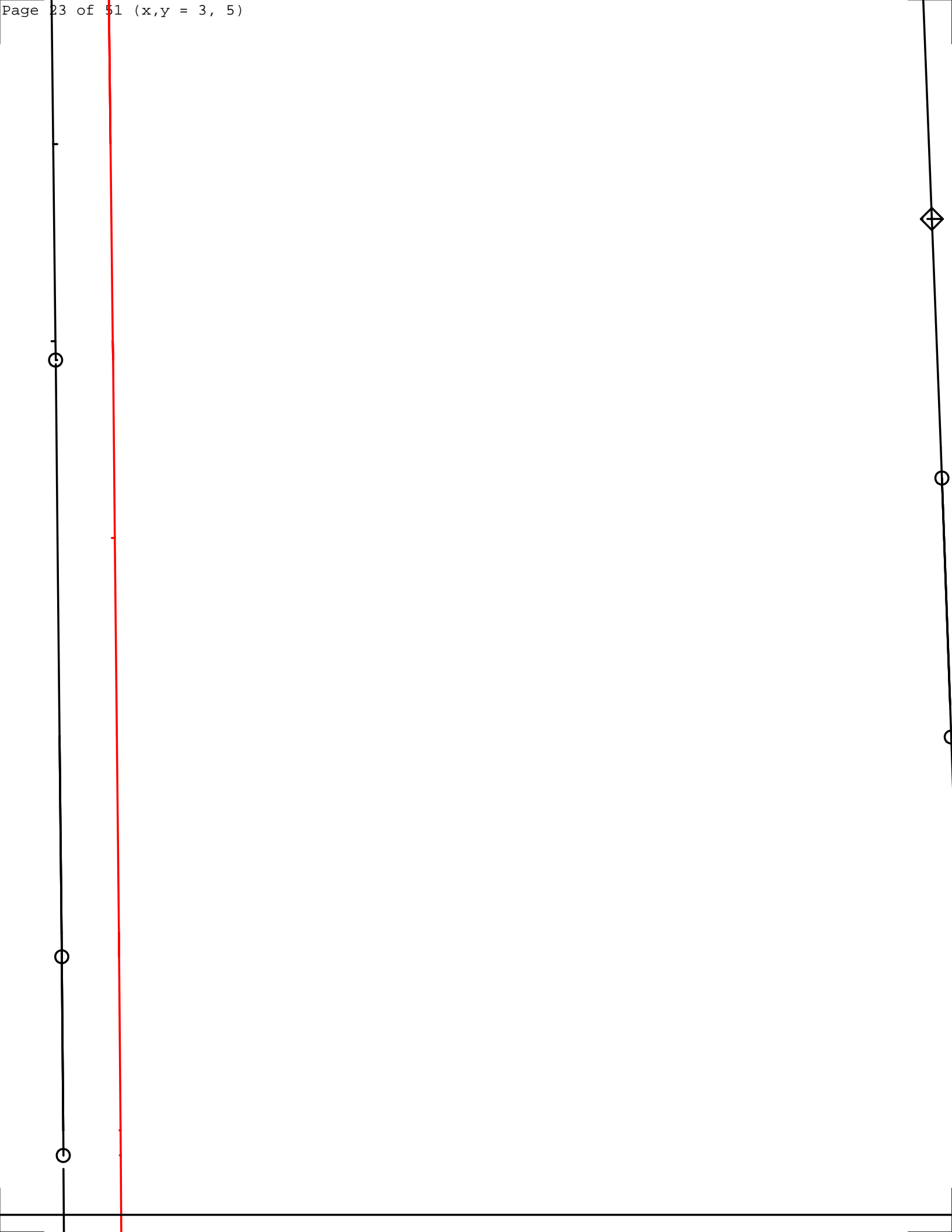
17 51 (x,y = 2, 4)

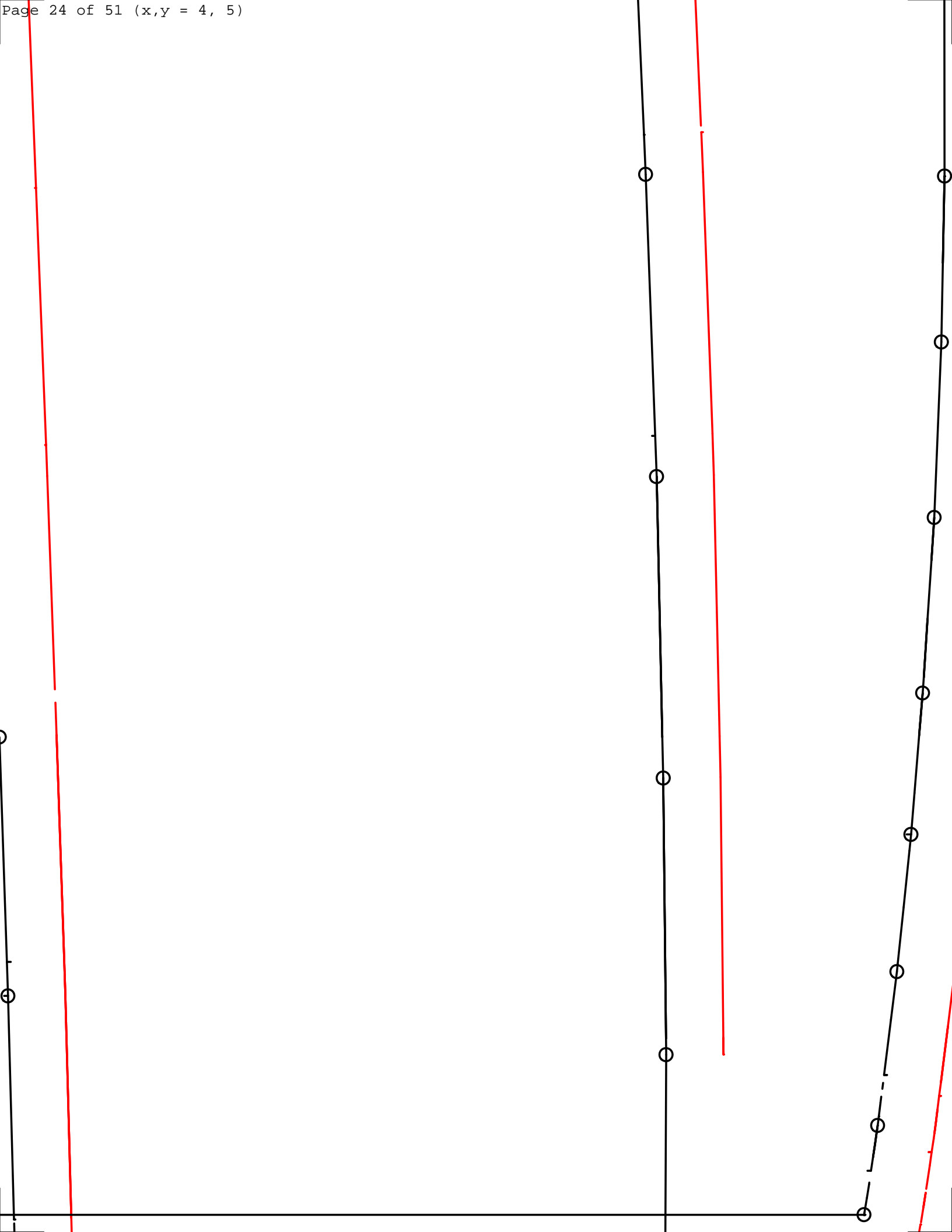




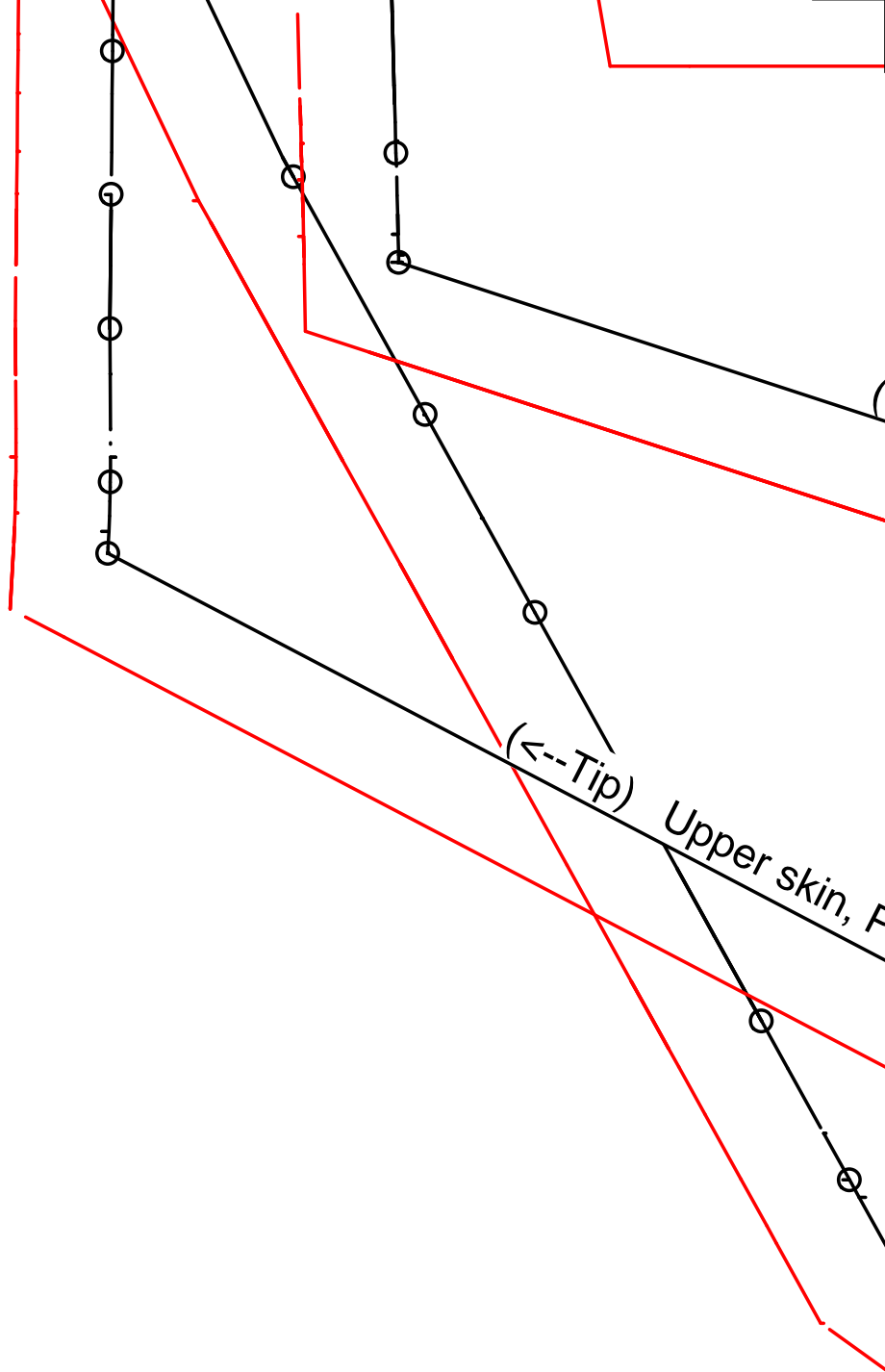






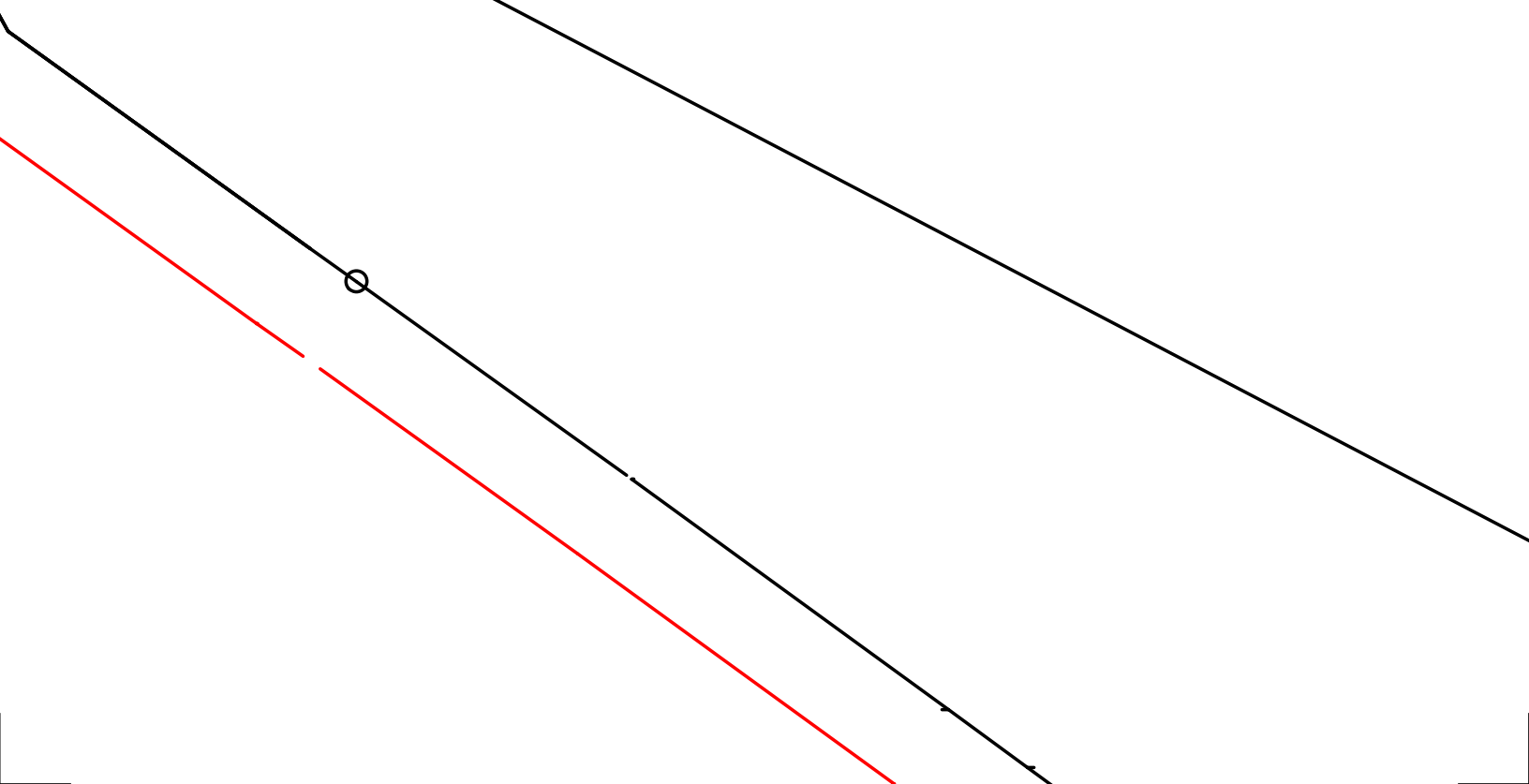


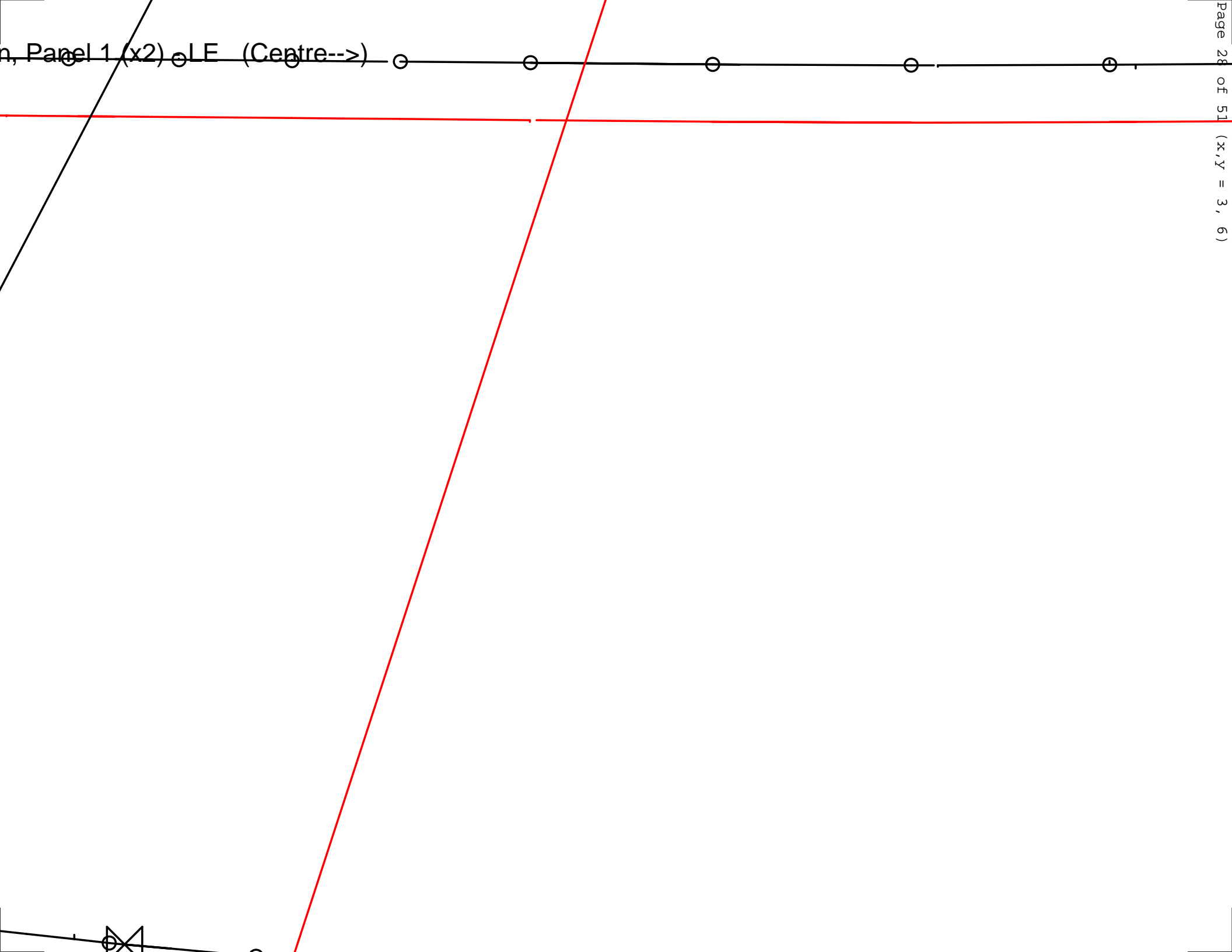


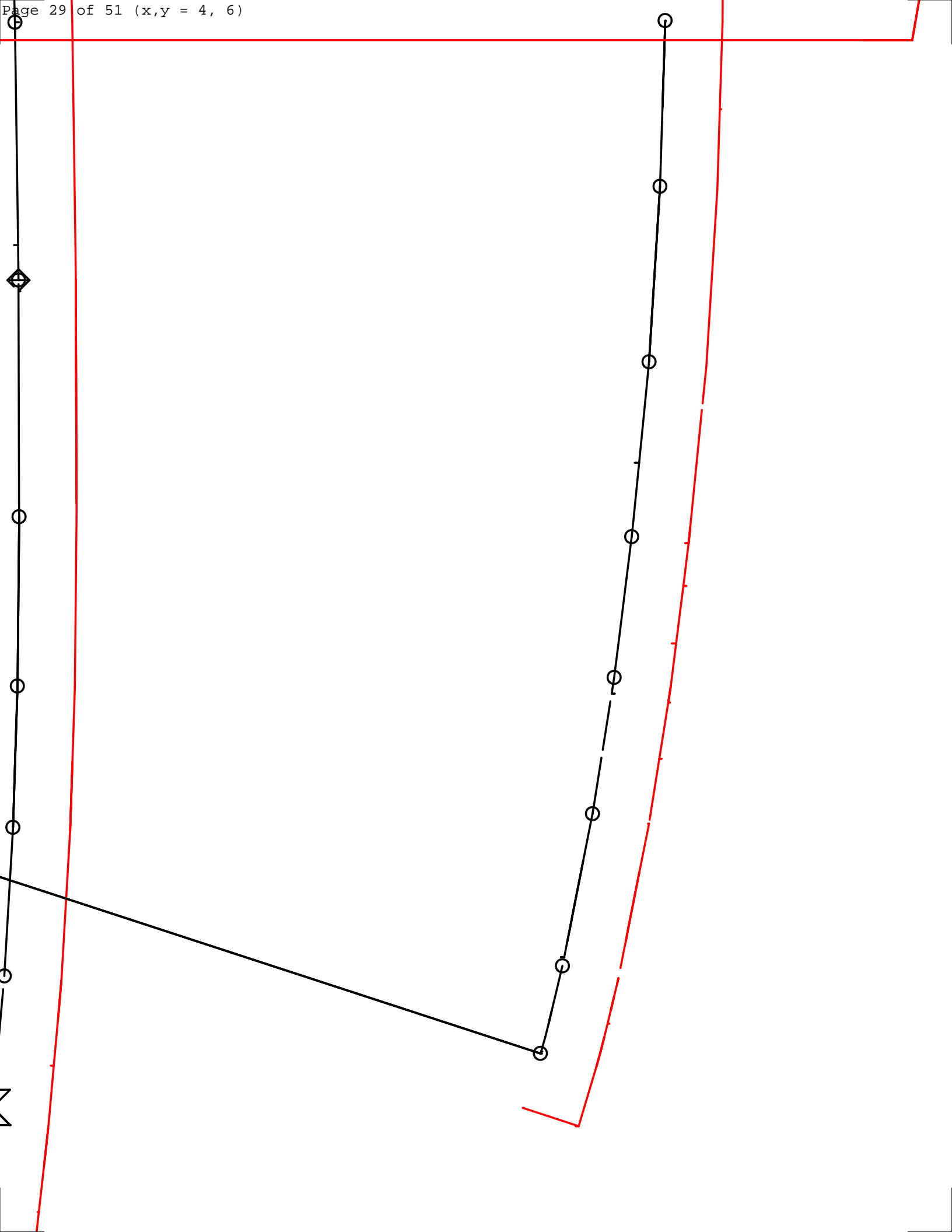


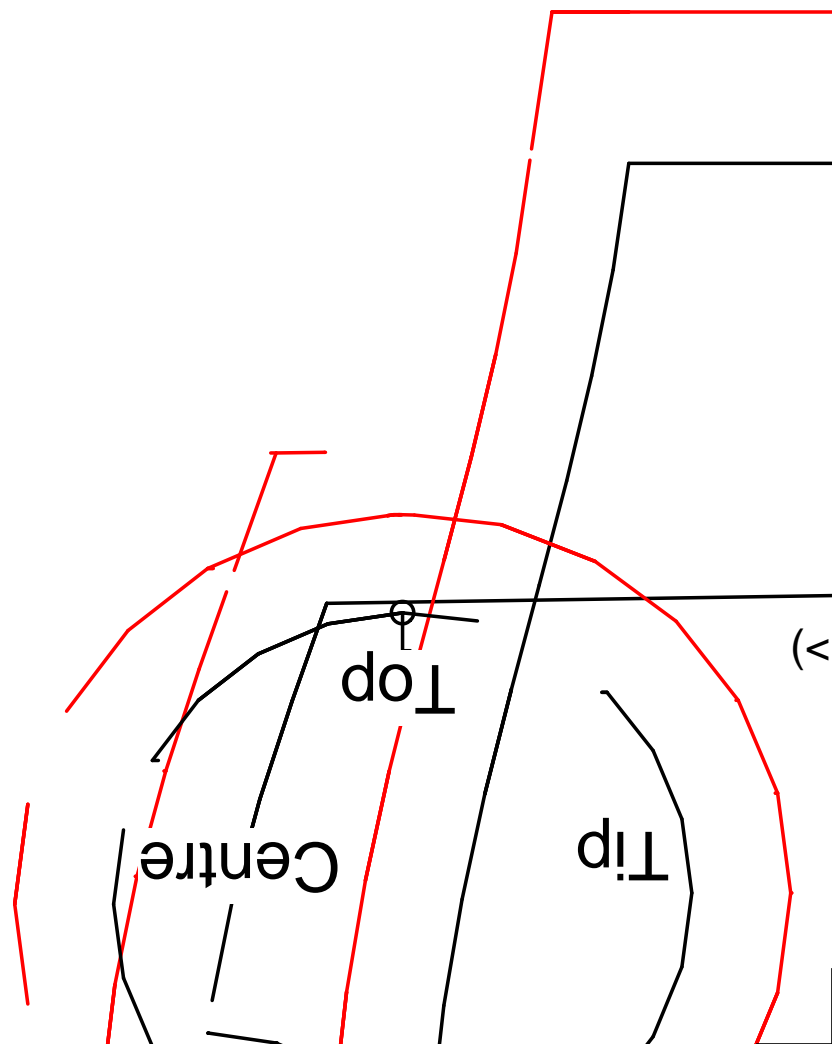
(←--Tip) Upper skin, Panel 3 (x2) - LE (Centre-->)

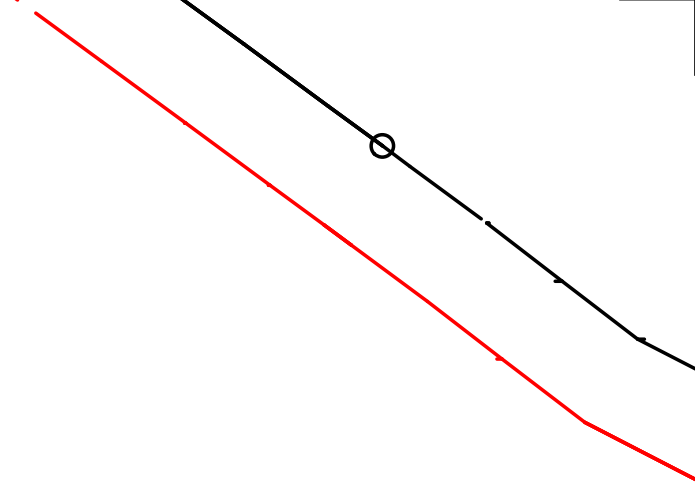
Panel 2 (x2) - LE (Centre-->)







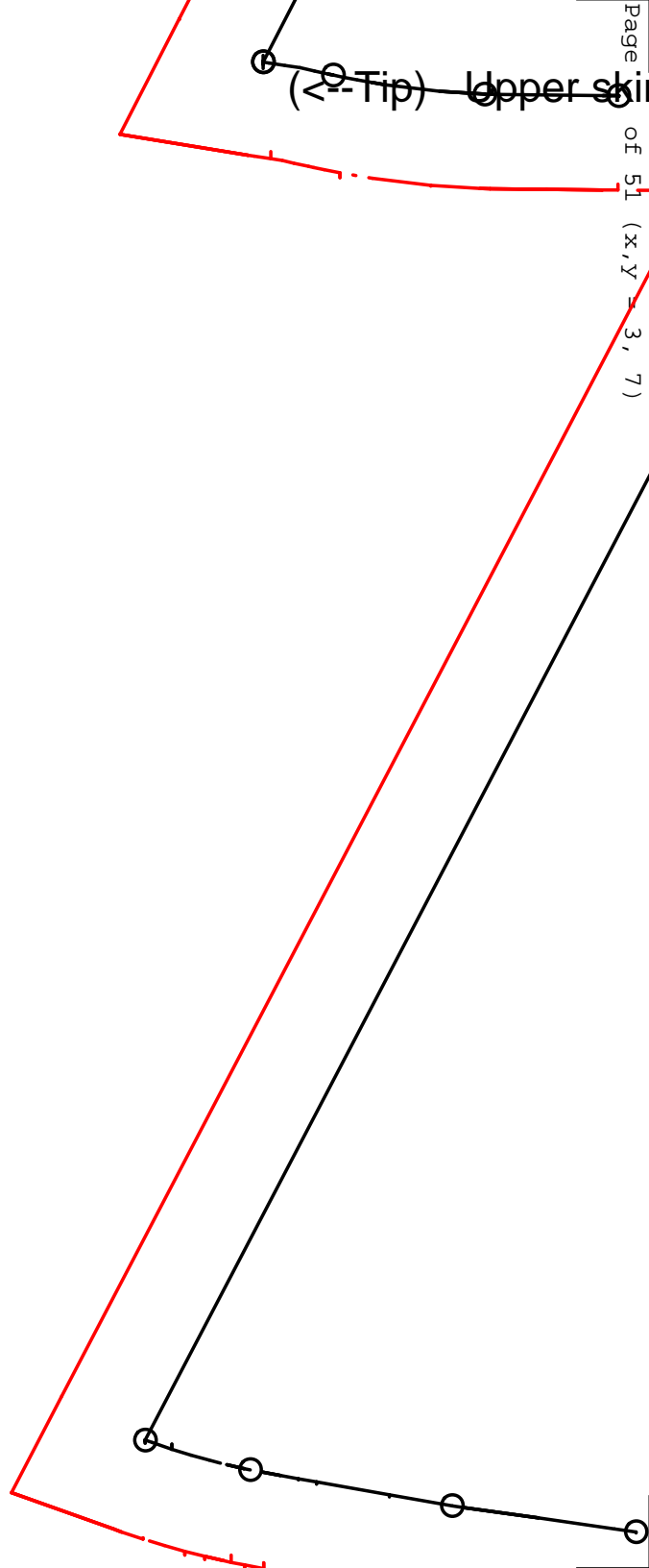


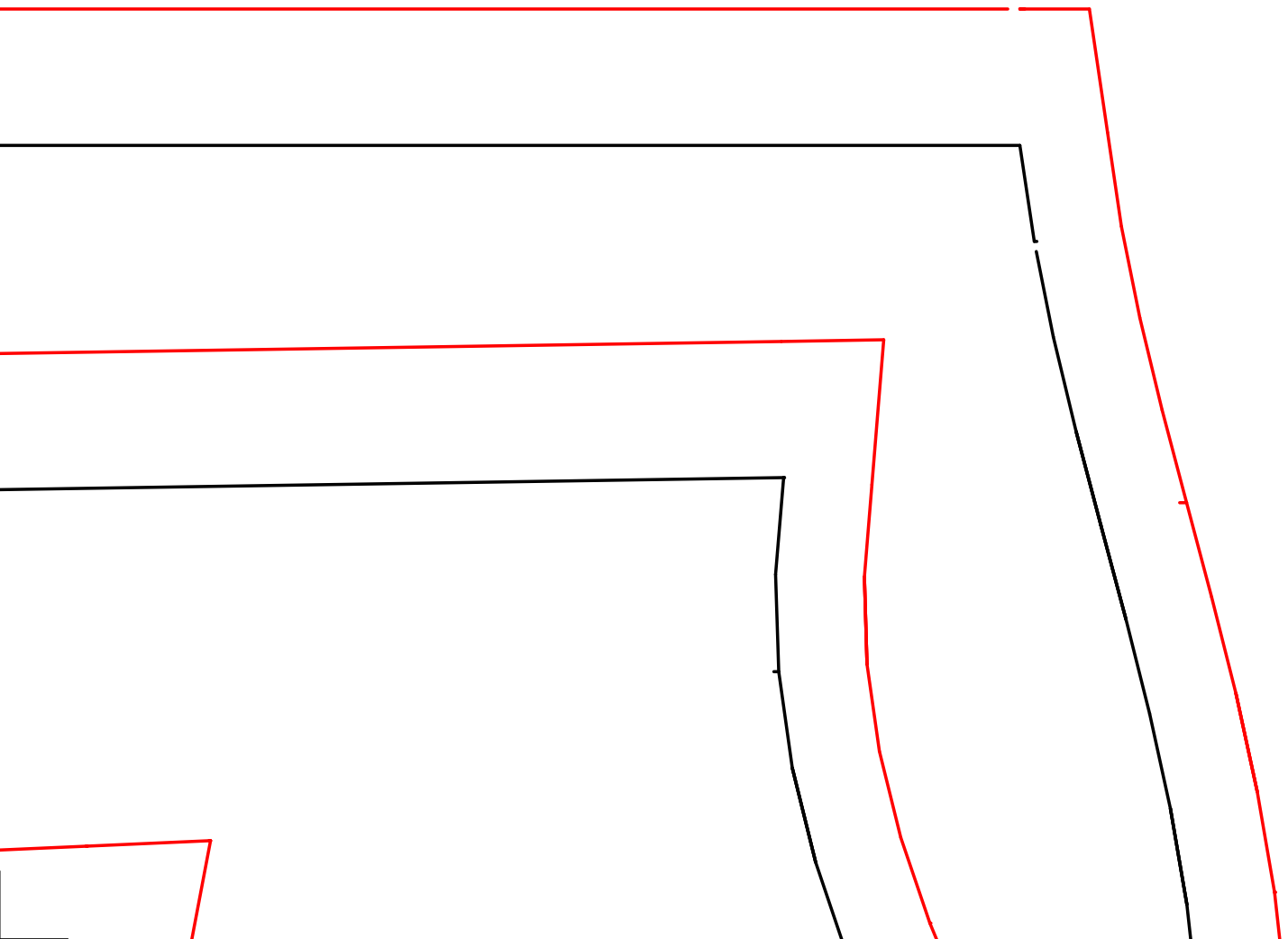


(<-Tip) LE tube, Panel 4 (x1) - behind seam (Centre->)

-Tip) LE tube, Panel 3 (x2) - behind seam (Centre->)

Upper skin
(←Tip)





Bottom

(←-Tip) LE tube, Par

Inflatable rib 1, piece 3 of 3 TE

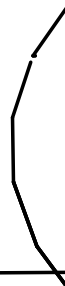
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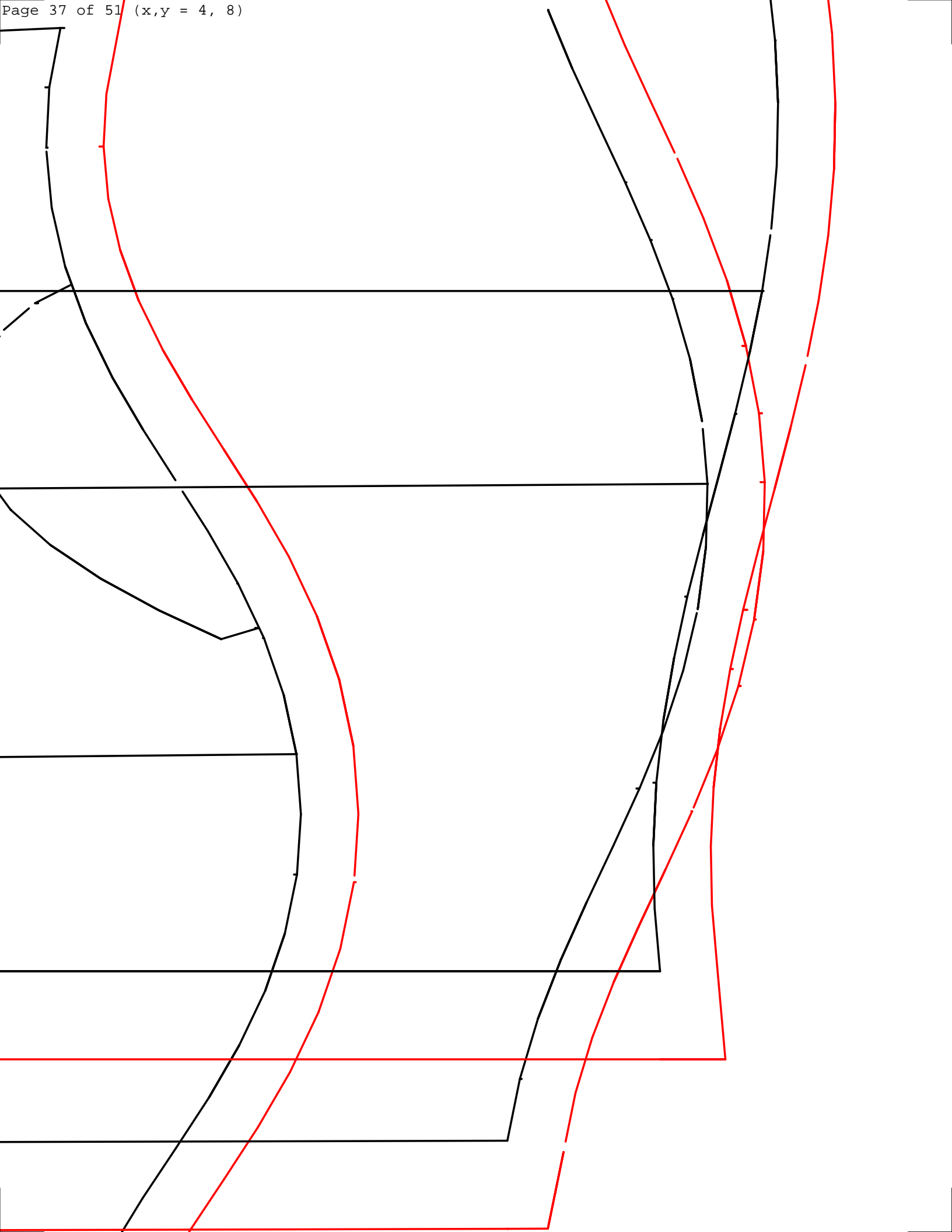
Panel 2 (x2) - behind seam (Centre->)



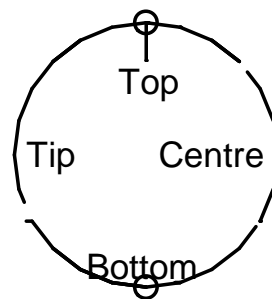
(<-Tip) LE tube, Panel 4 (x1) - front of seam (Centre->)

(<-Tip) LE tube, Panel 3 (x2) - front of seam (Centre->)



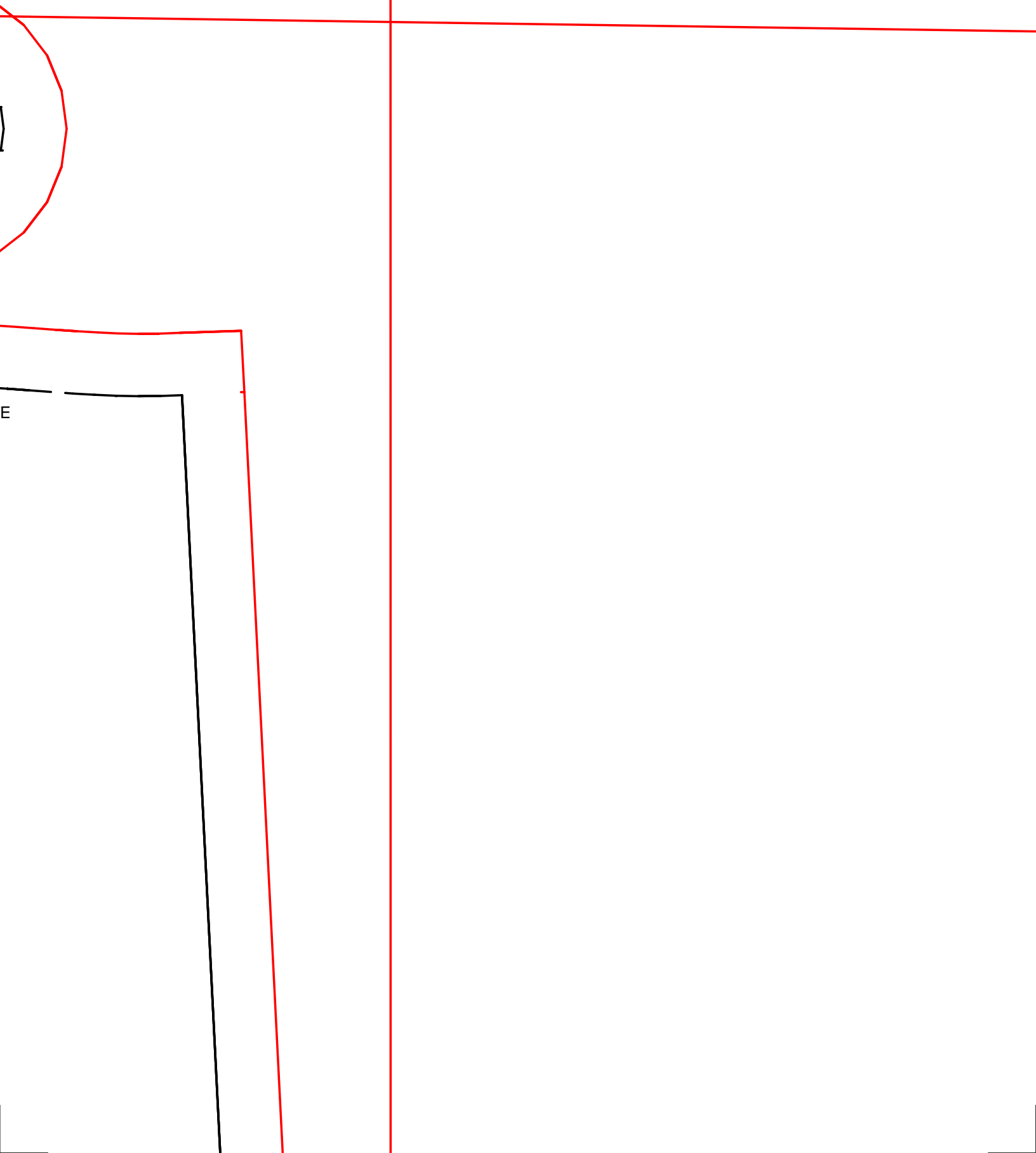


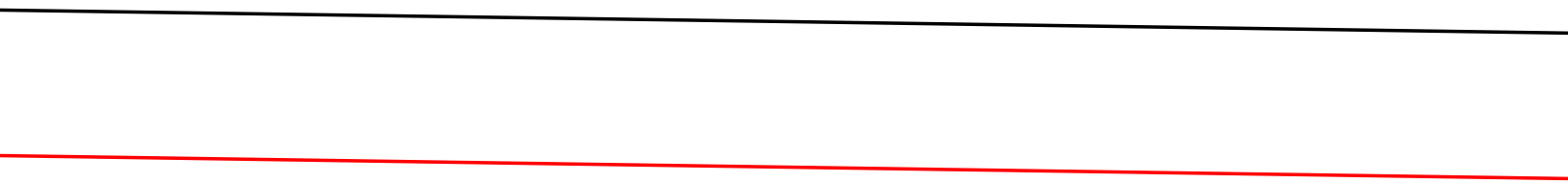
(<-Tip) LE tube, Pa

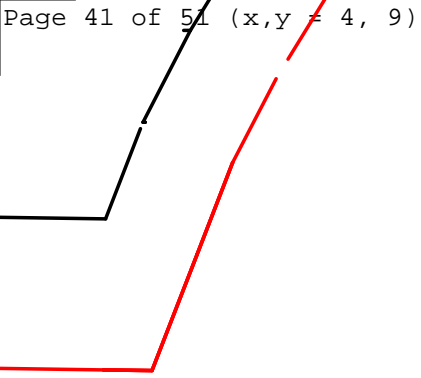


Inflatable rib 3, piece 5 of 5 T

Panel 2 (x2) - front of seam (Centre->)

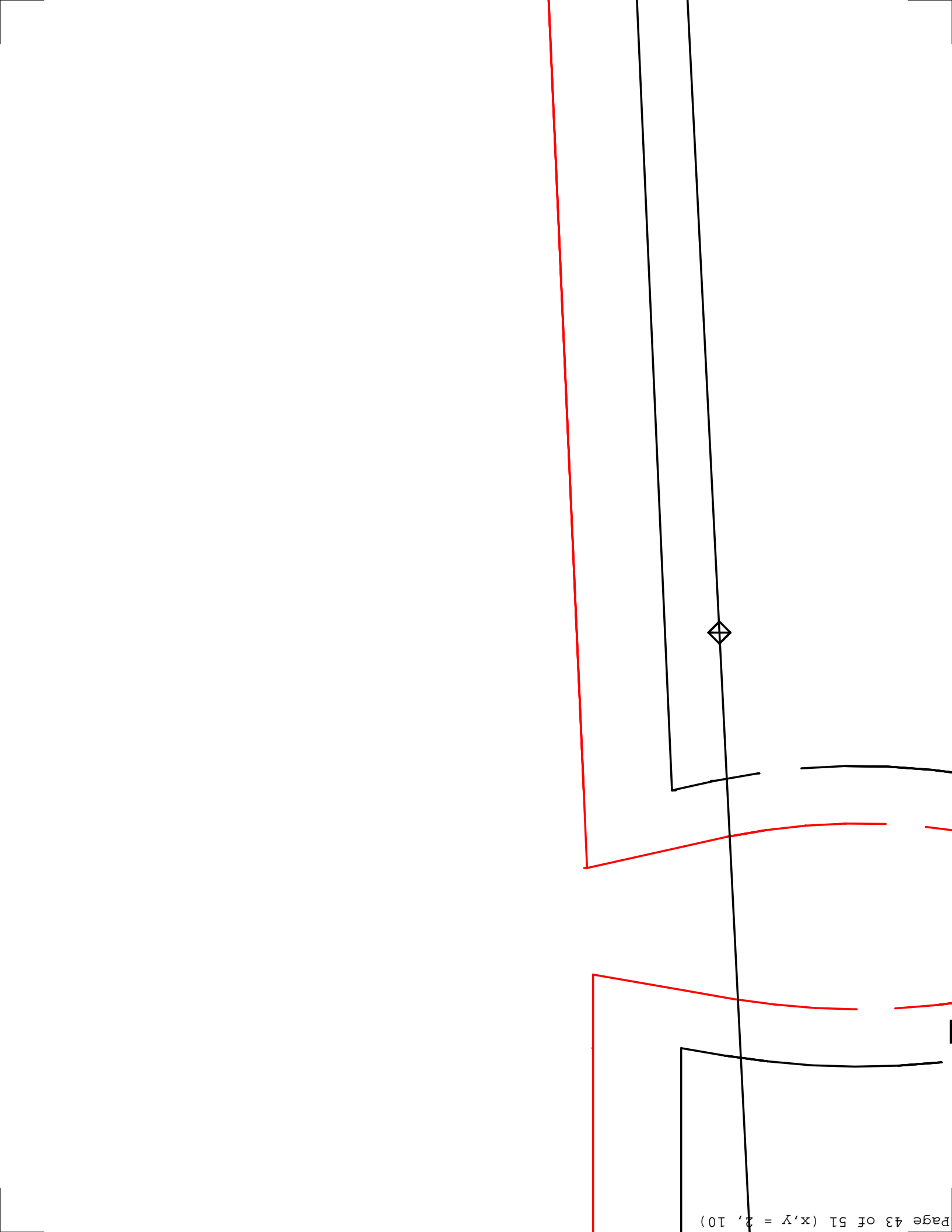






Inflatable rib 1, piece 2 of 3 TE

Inflatable rib 1, piece 3 of 3 LE



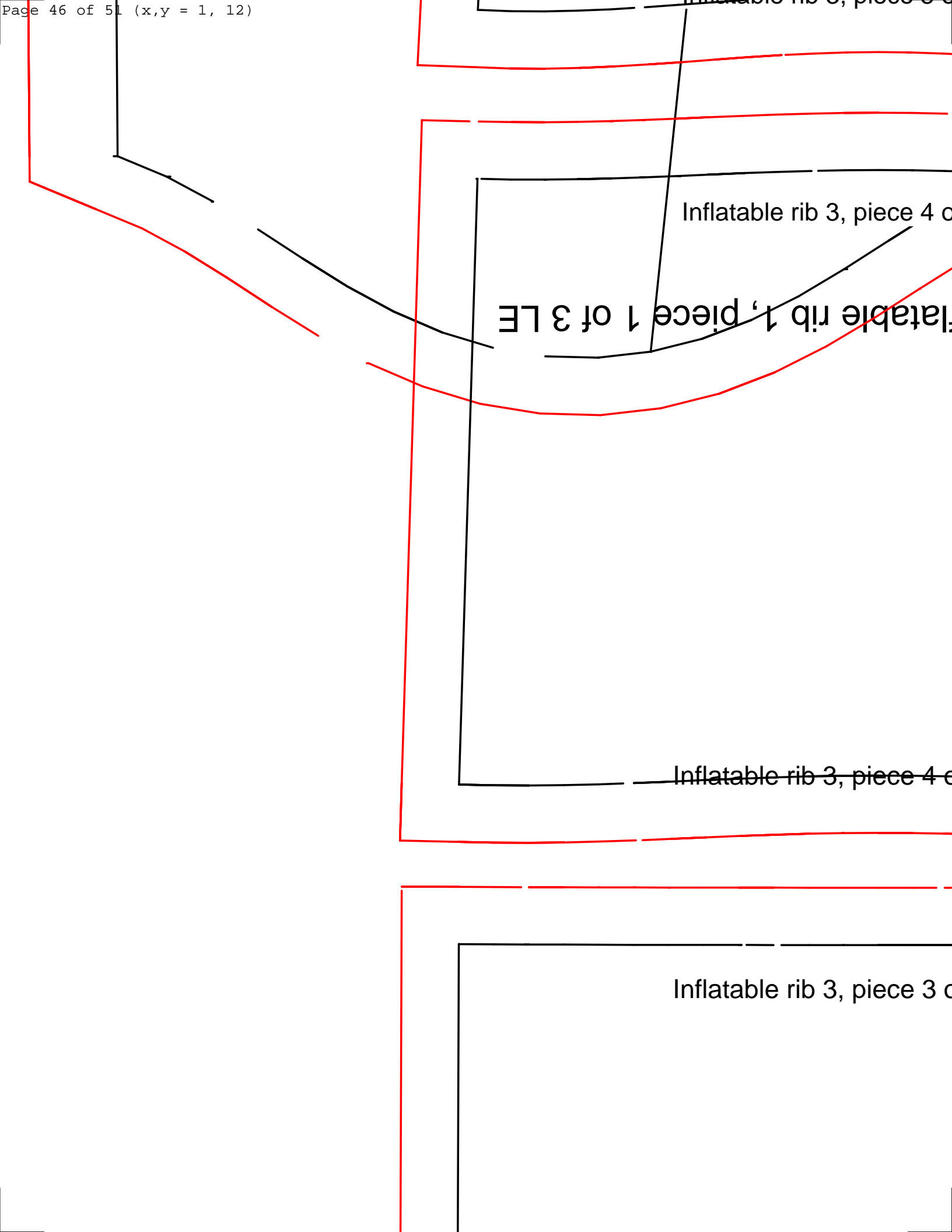
inflatable rib 1, piece 1 of 3 TE

inflatable rib 1, piece 2 of 3 LE

Inf

In





Inflatable rib 1, piece 1 of 3 LE

Inflatable rib 3, piece 4 of 3 LE

Inflatable rib 3, piece 4 of 3 LE

Inflatable rib 3, piece 3 of 3 LE

of 5 TE

ln

of 5 LE

of 5 TE



Inflatable rib 3, piece 3 c

Inflatable rib 3, piece 2 c

Inflatable rib 3, piece 2 c

Inflatable rib 3, piece 1 c

Inflatable rib 3, piece 1 c

of 5 LE

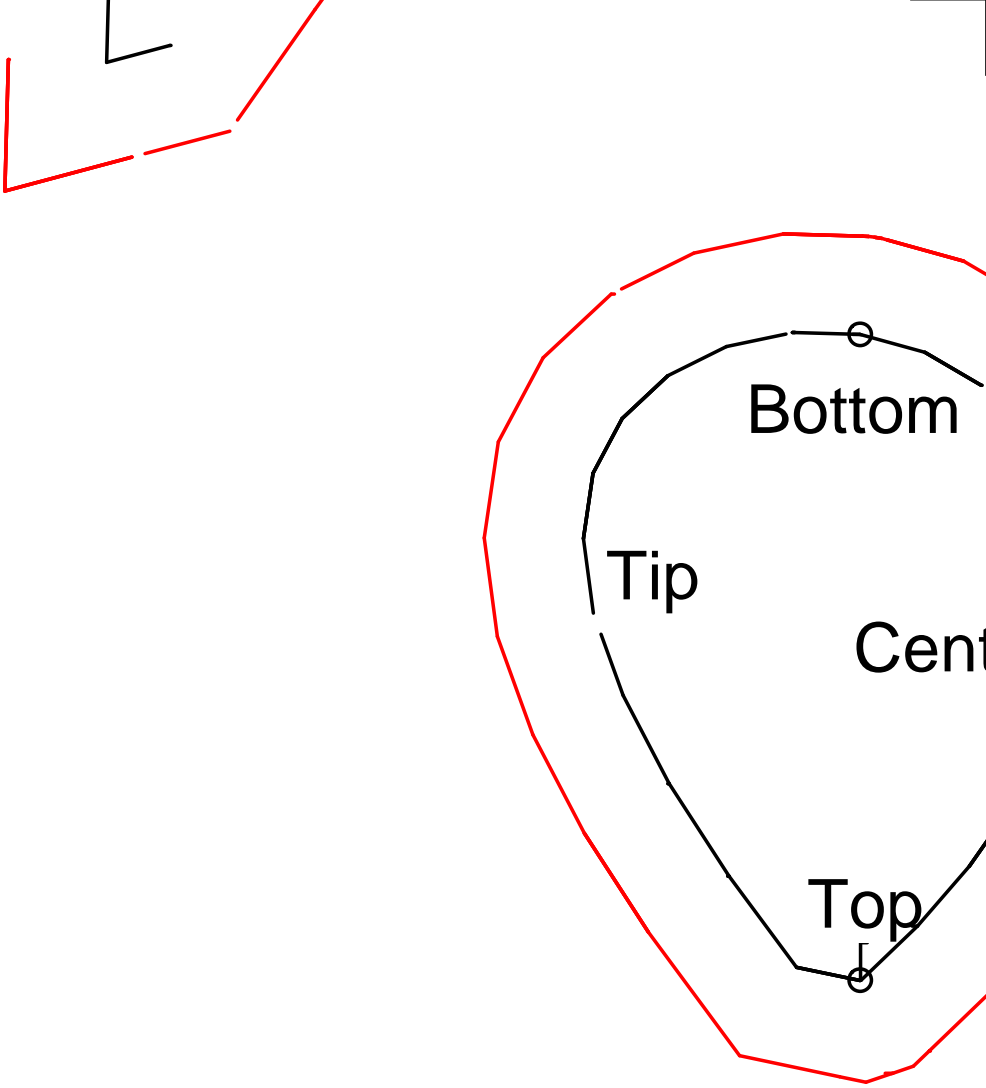
of 5 TE

of 5 LE



of 5 TE

of 5 LE



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