

10.5.m.strutless

Designed by reyrivera

Kite skins generated by Surfplan (demo) - Mon Mar 24 17:29:53 2014

Flat kite wingspan is 6.062 (metres)

Maximum chord is 2.127 (metres)

Aspect ratio is 3.500

Centre profile name "DA2"

Wingtip profile name "DA2"

Flat kite area = 10.499 (metres squared)

Adjusted kite area (area/1.36) = 7.720 (metres squared)

Active lift area = 7.453 (metres squared)

Leading edge length = 6.487 (metres)

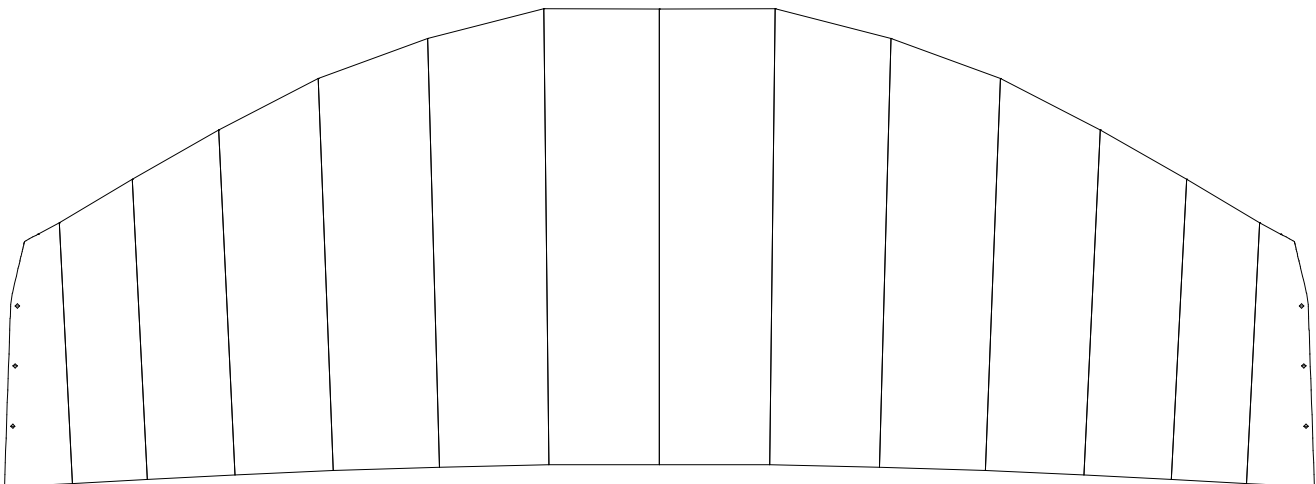
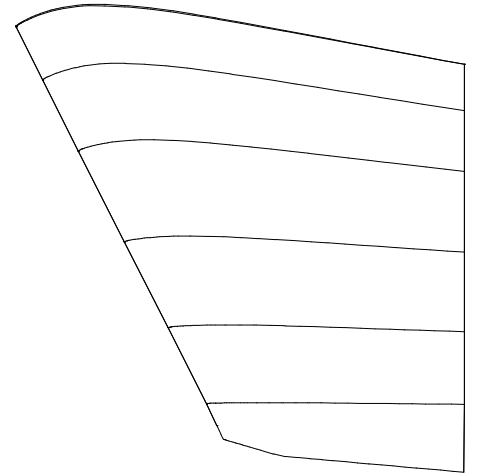
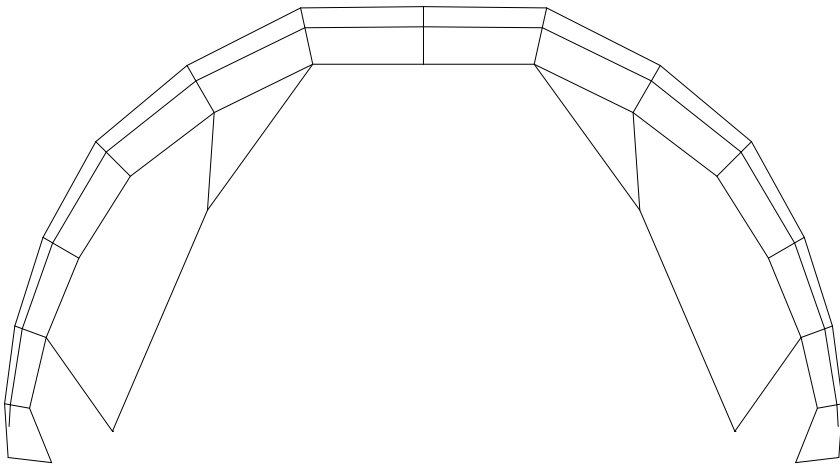
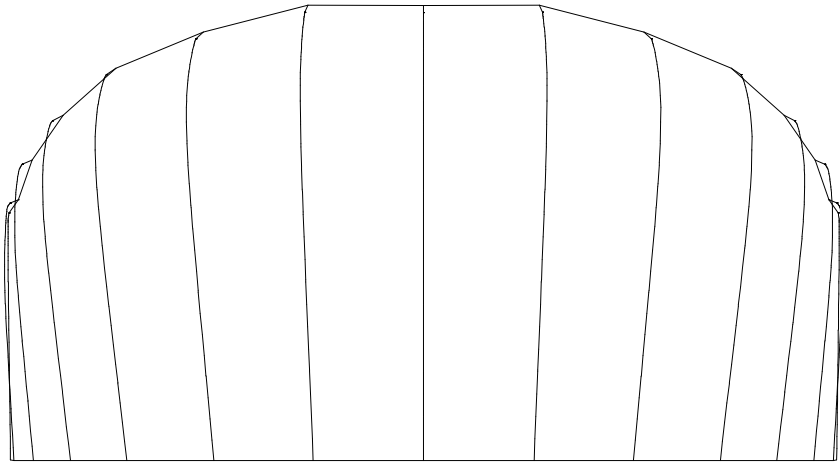
Trailing edge length = 6.062 (metres)

Approximate rib strut dimensions...

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 3	759	
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Rib 6	456	
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Rib 7	846	
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Level 2 (risers)	A	B
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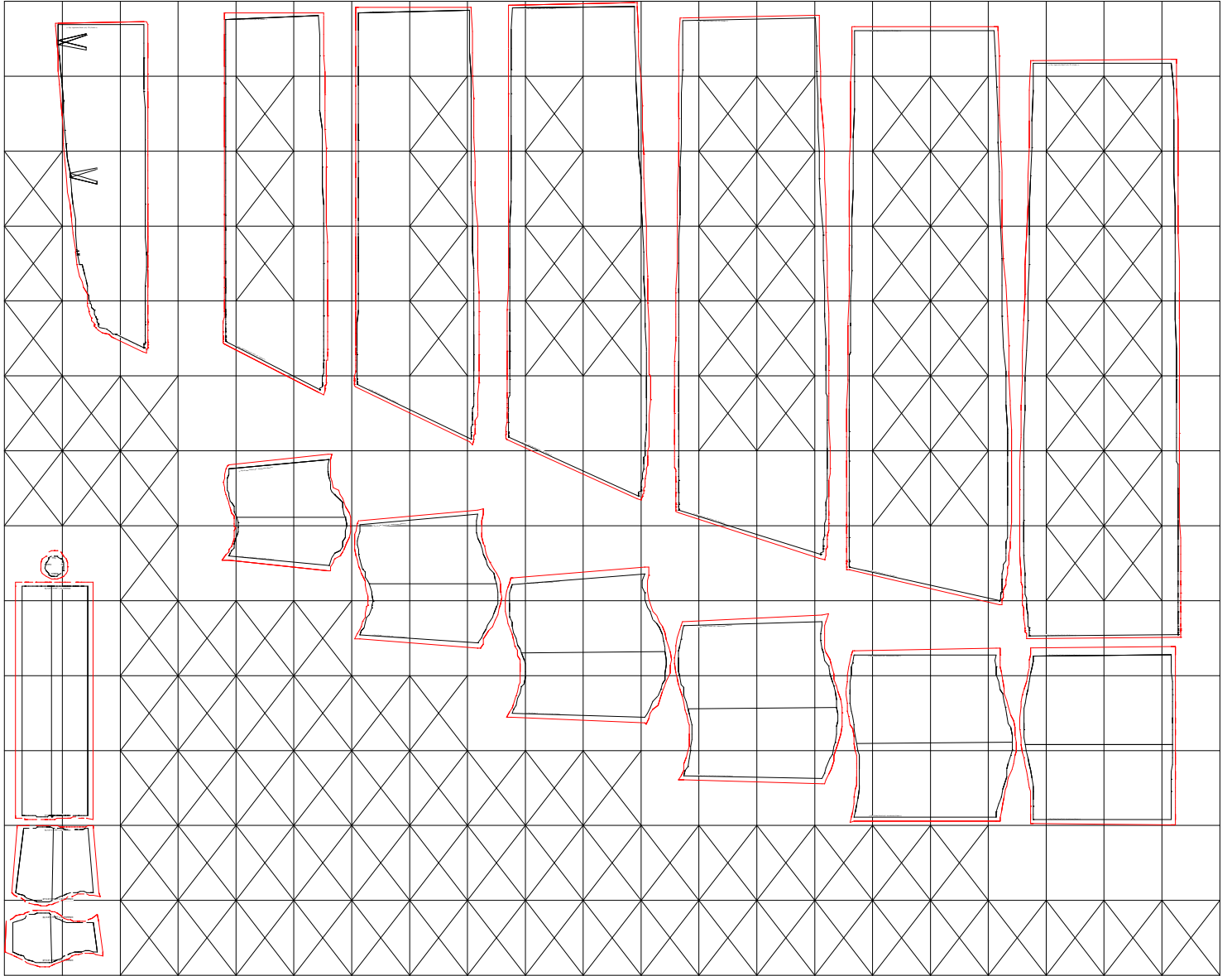
Rib 3		
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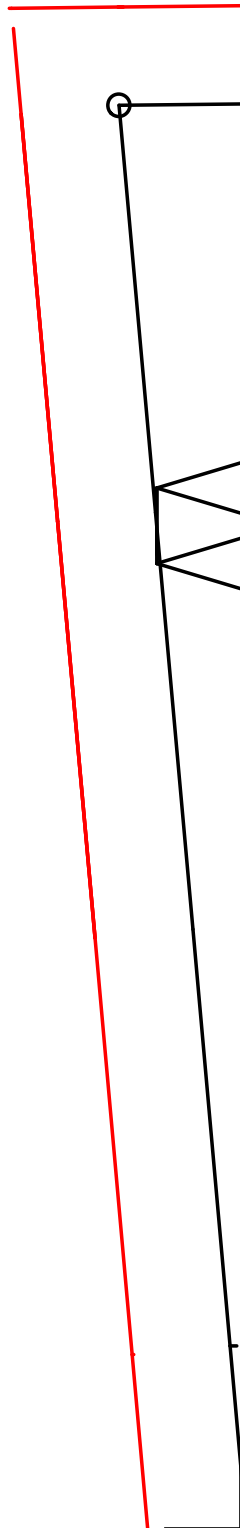
Rib 6	1126	
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Total Primary bridle = 6.37m (+15% for knots = 7.33m)

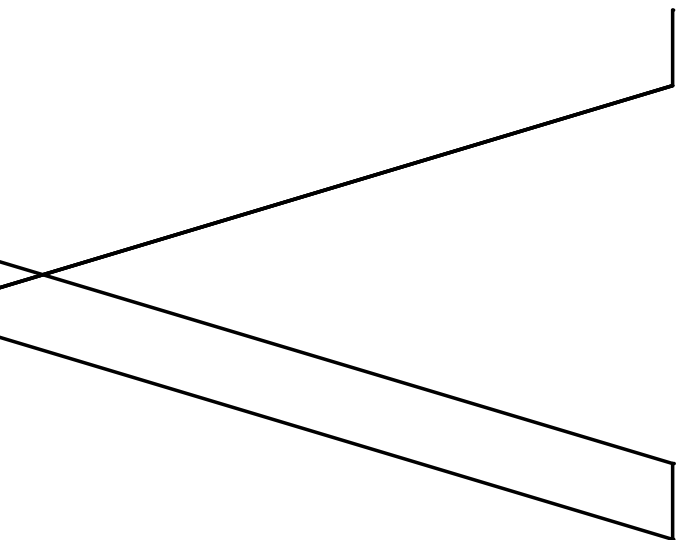
Main towpoint separation = 2906

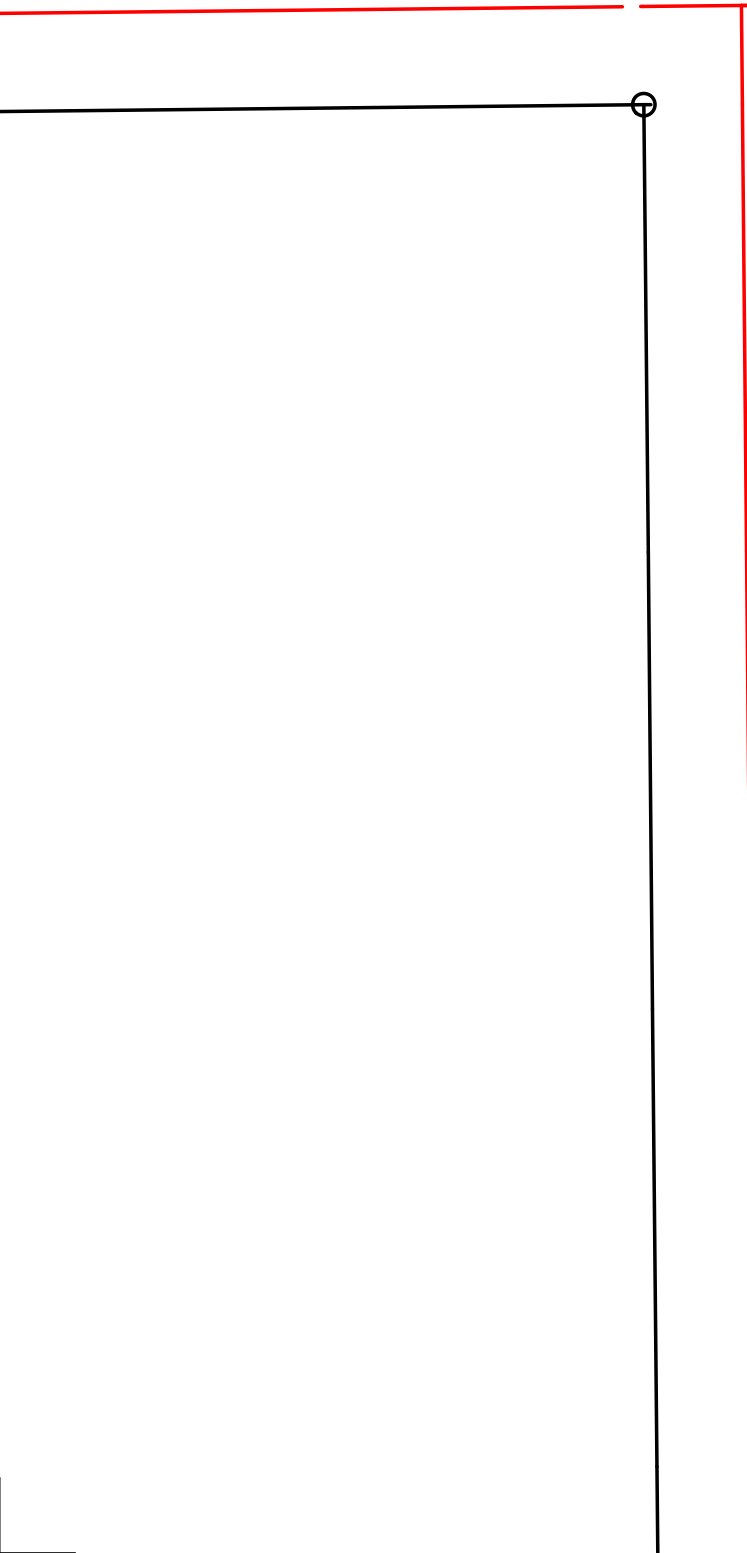
Brake towpoint separation = 2906

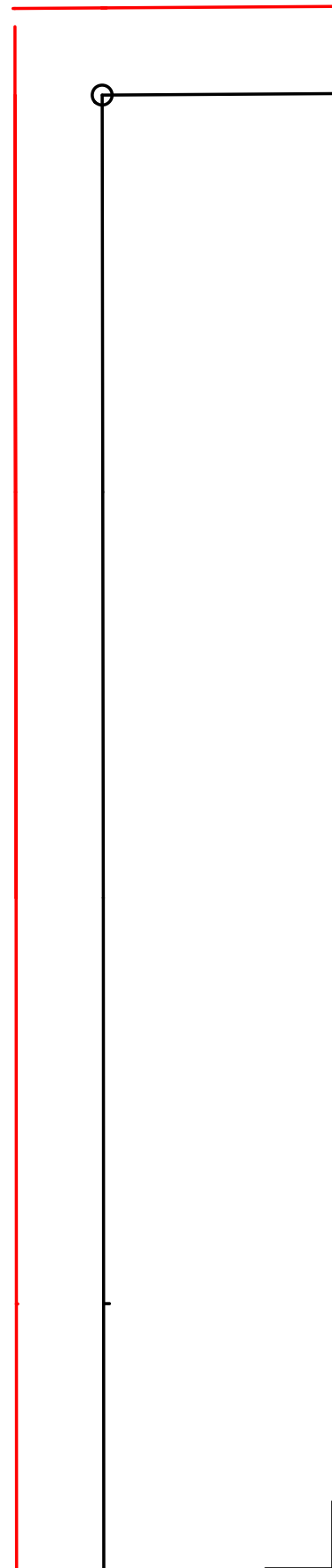




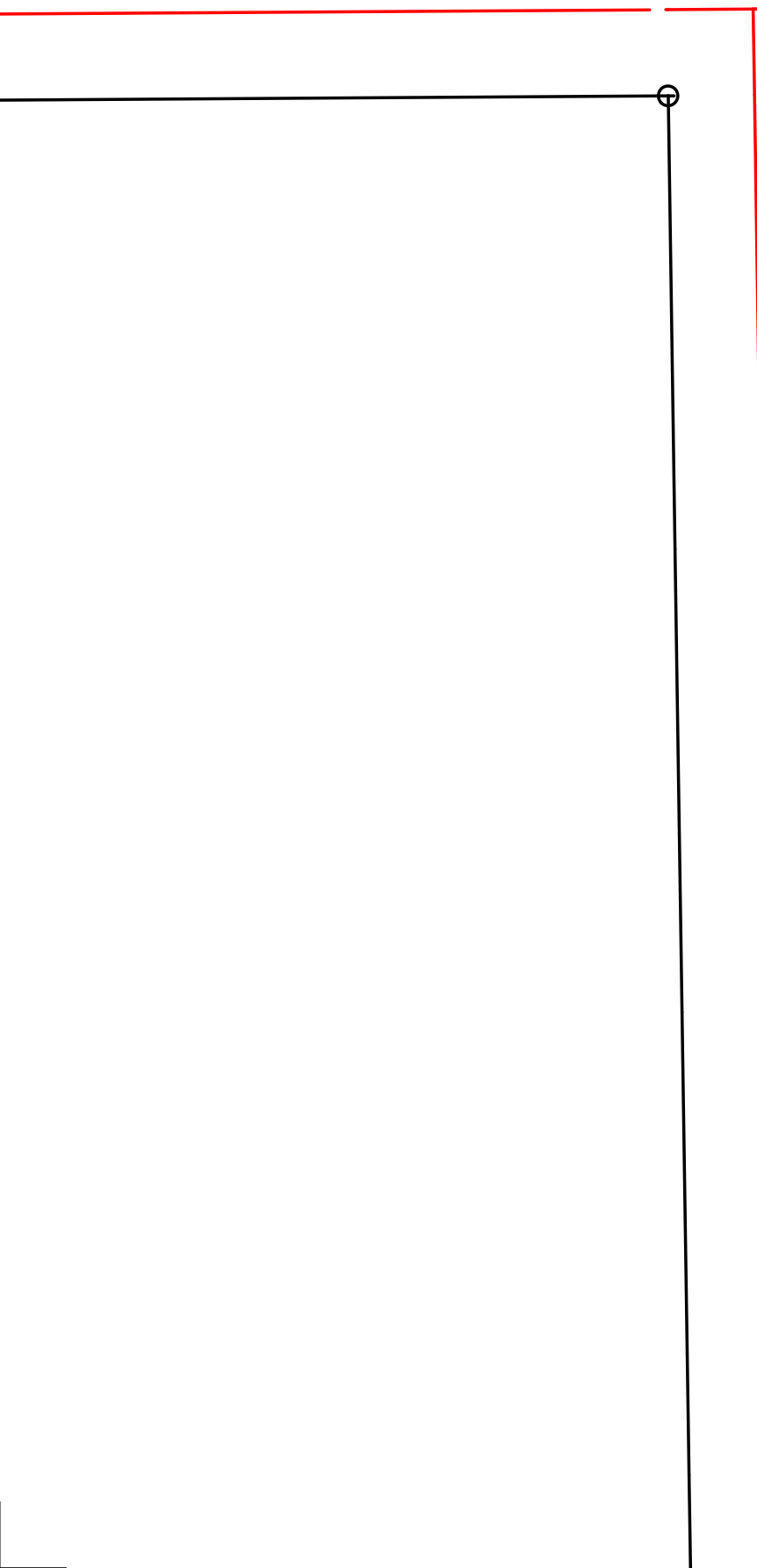
(<--Tip) Upper skin, Panel 1 (x2) - TE (Centre-->)





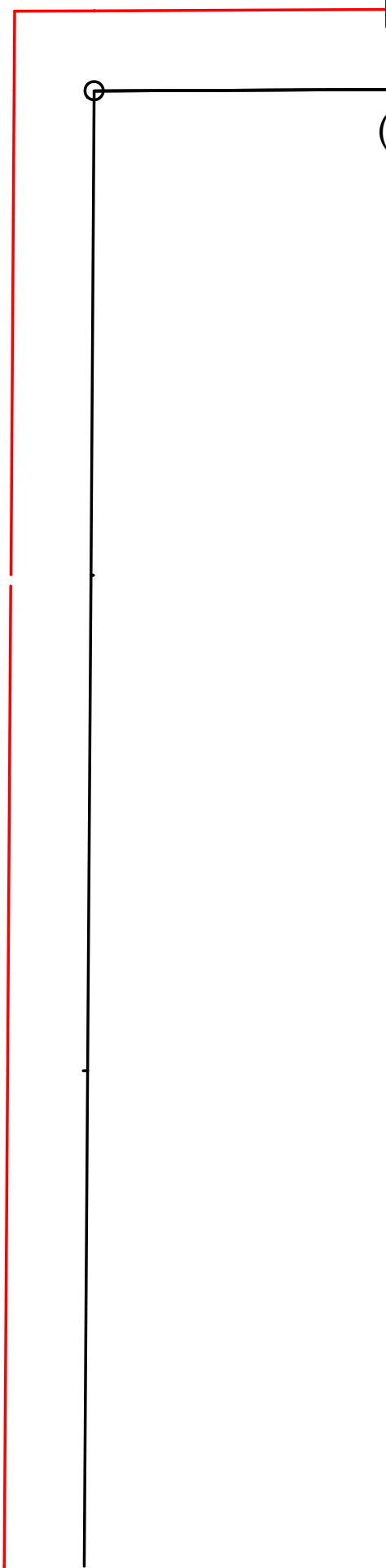
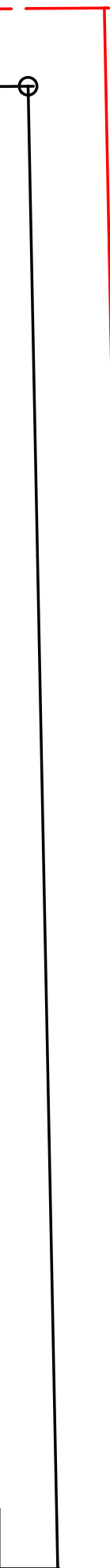


(<--Tip) Upper skin, Panel 2 (x2) - TE (Centre-->)

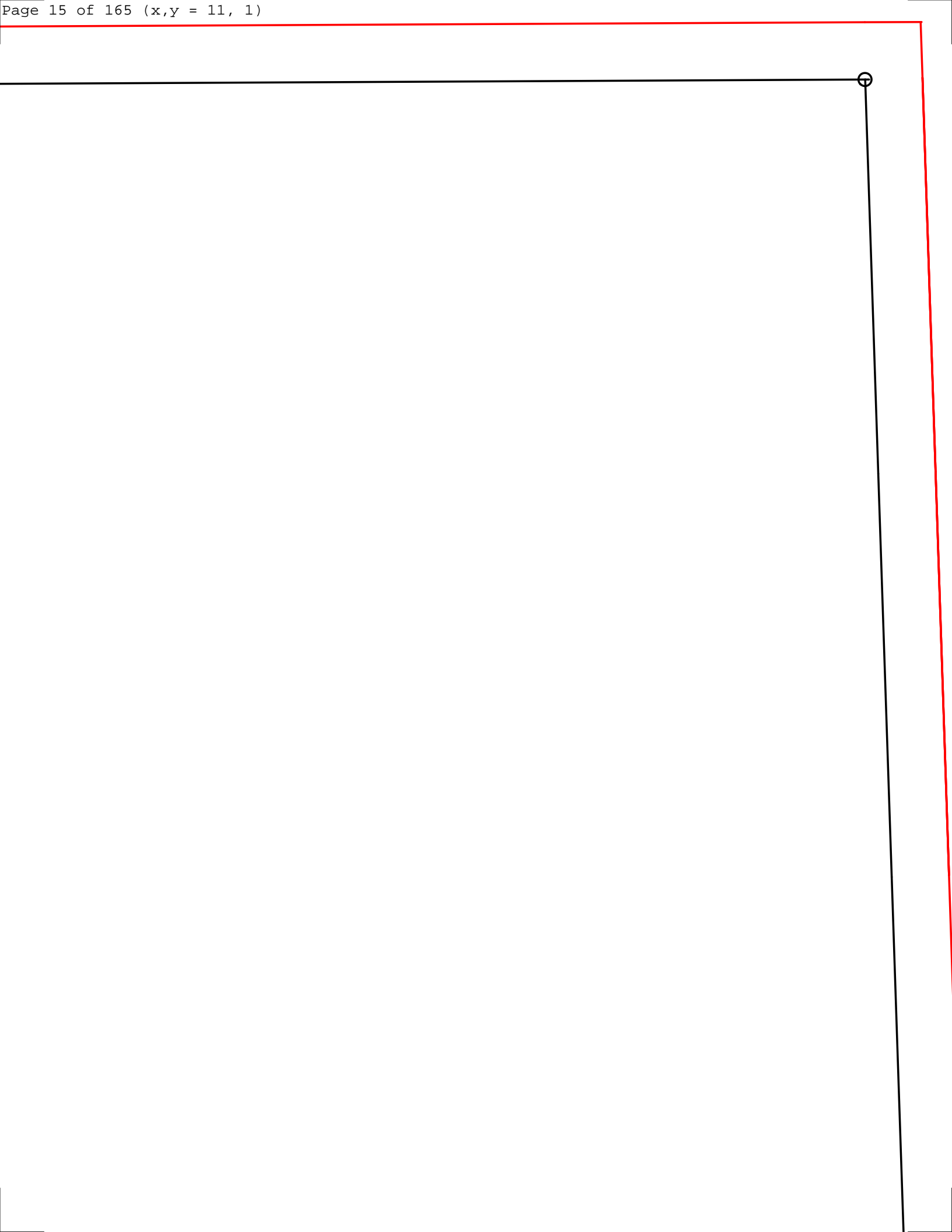




(<--Tip) Upper skin, Panel 3 (x2) - TE (Centre-->)

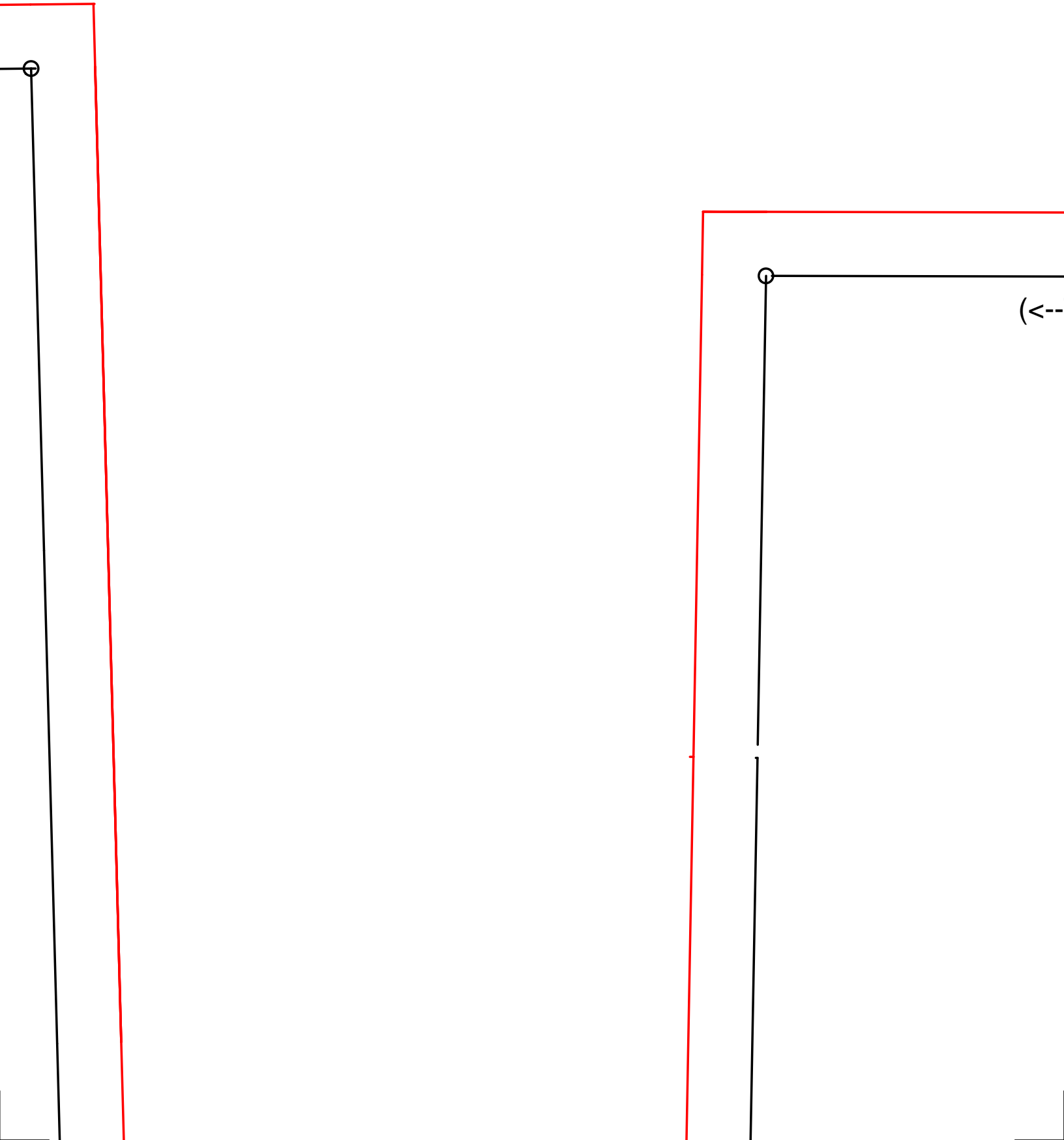


(<--Tip) Upper skin, Panel 4 (x2) - TE (Centre-->)

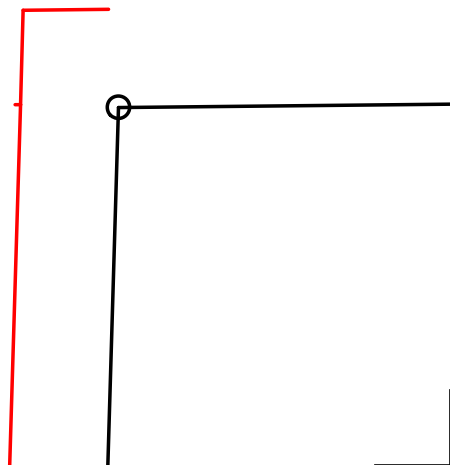




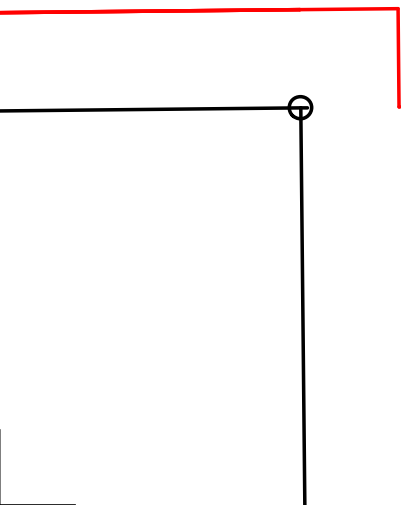
-Tip) Upper skin, Panel 5 (x2) - TE (Centre-->)



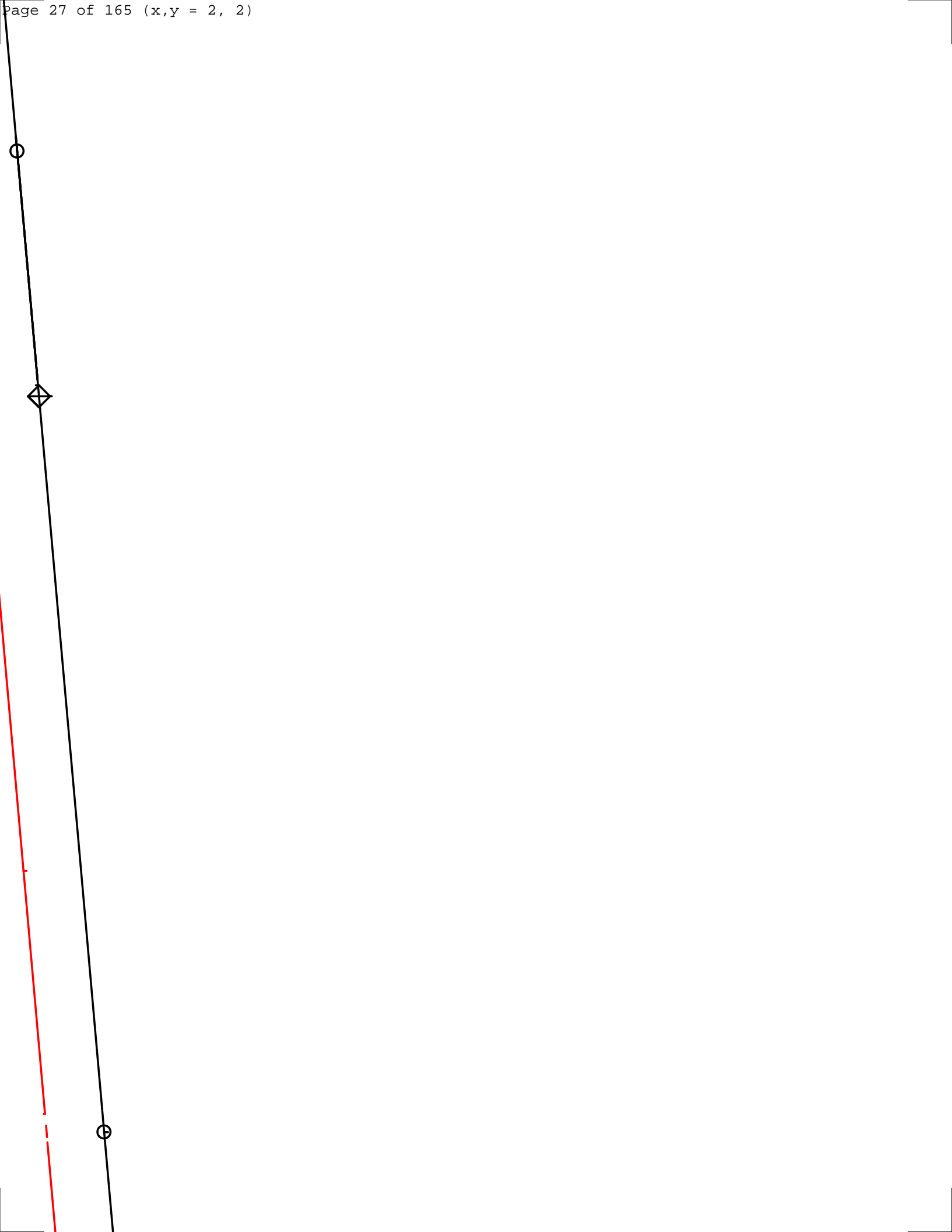
Tip) Upper skin, Panel 6 (x2) - TE (Centre-->)



(<--Tip) Upper skin, Panel 7 (x2) - TE (Centre-->)

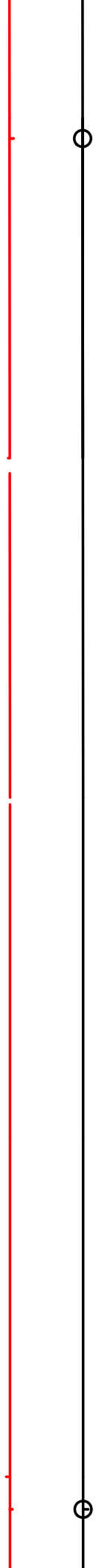






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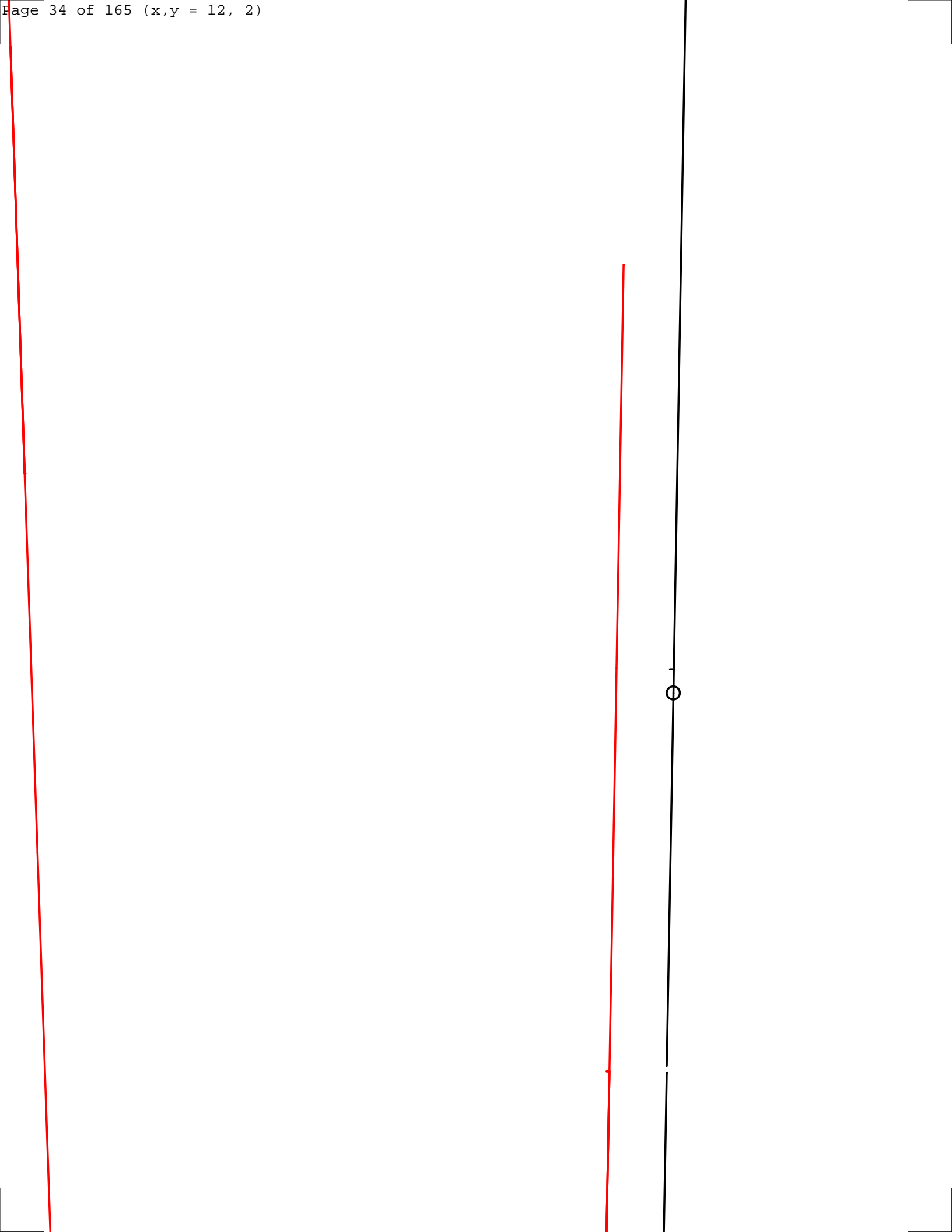




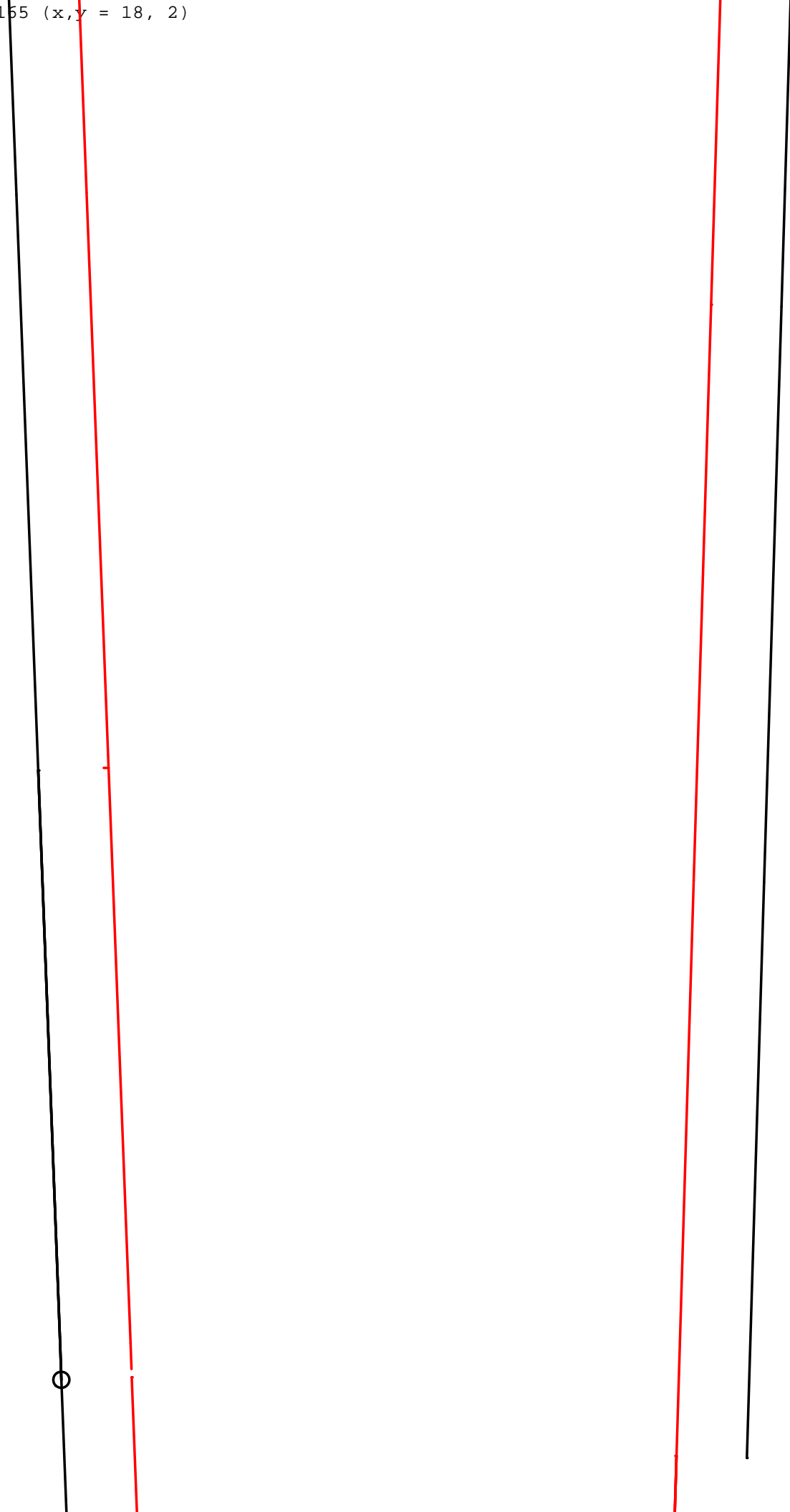


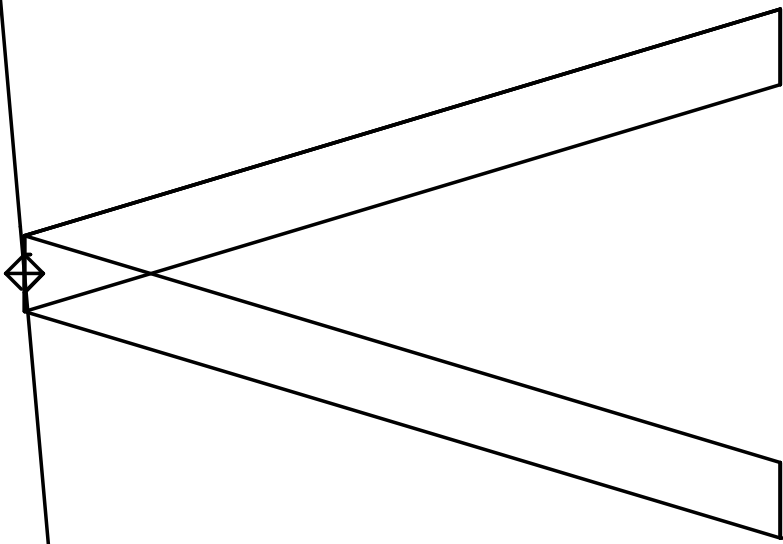




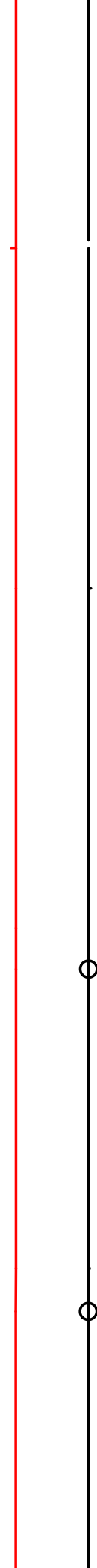












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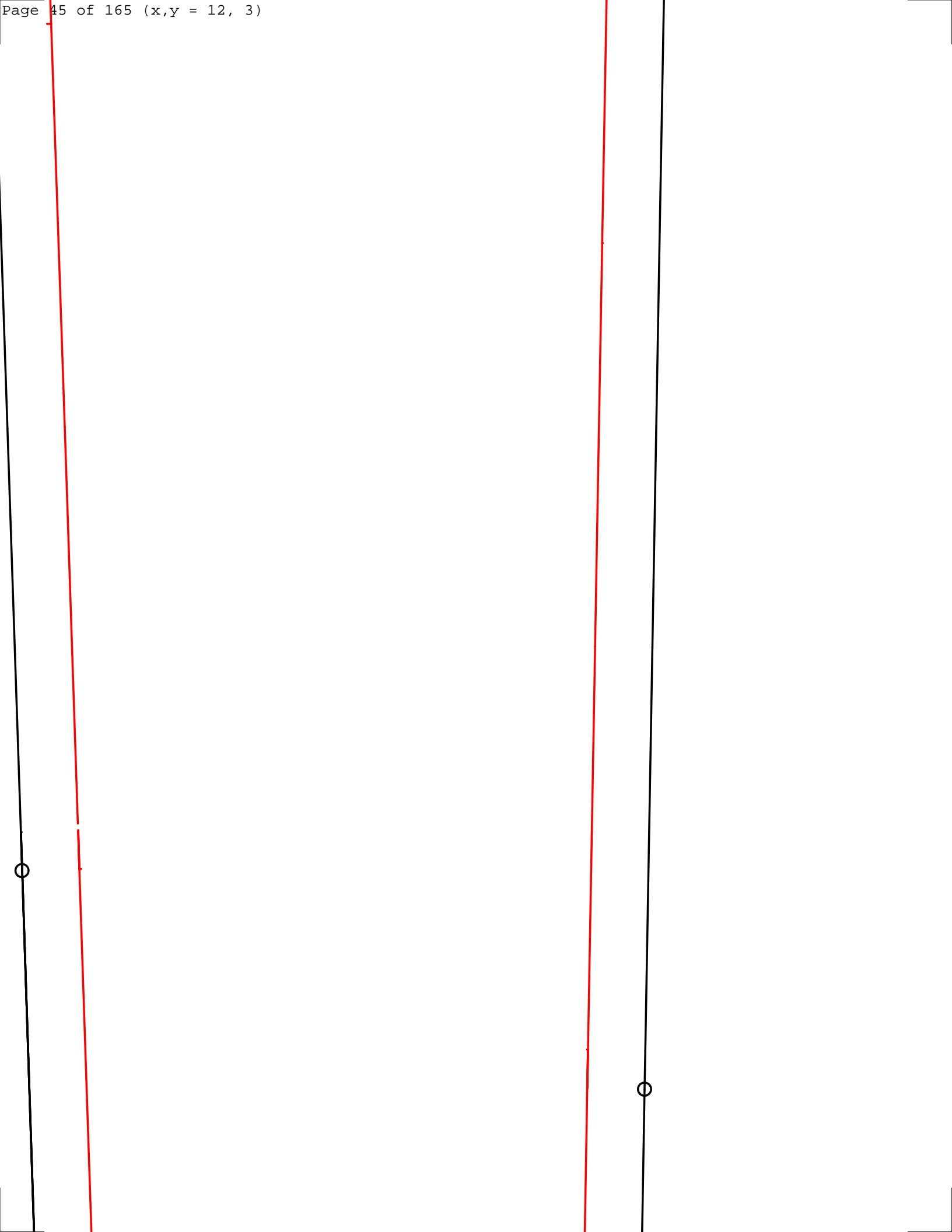
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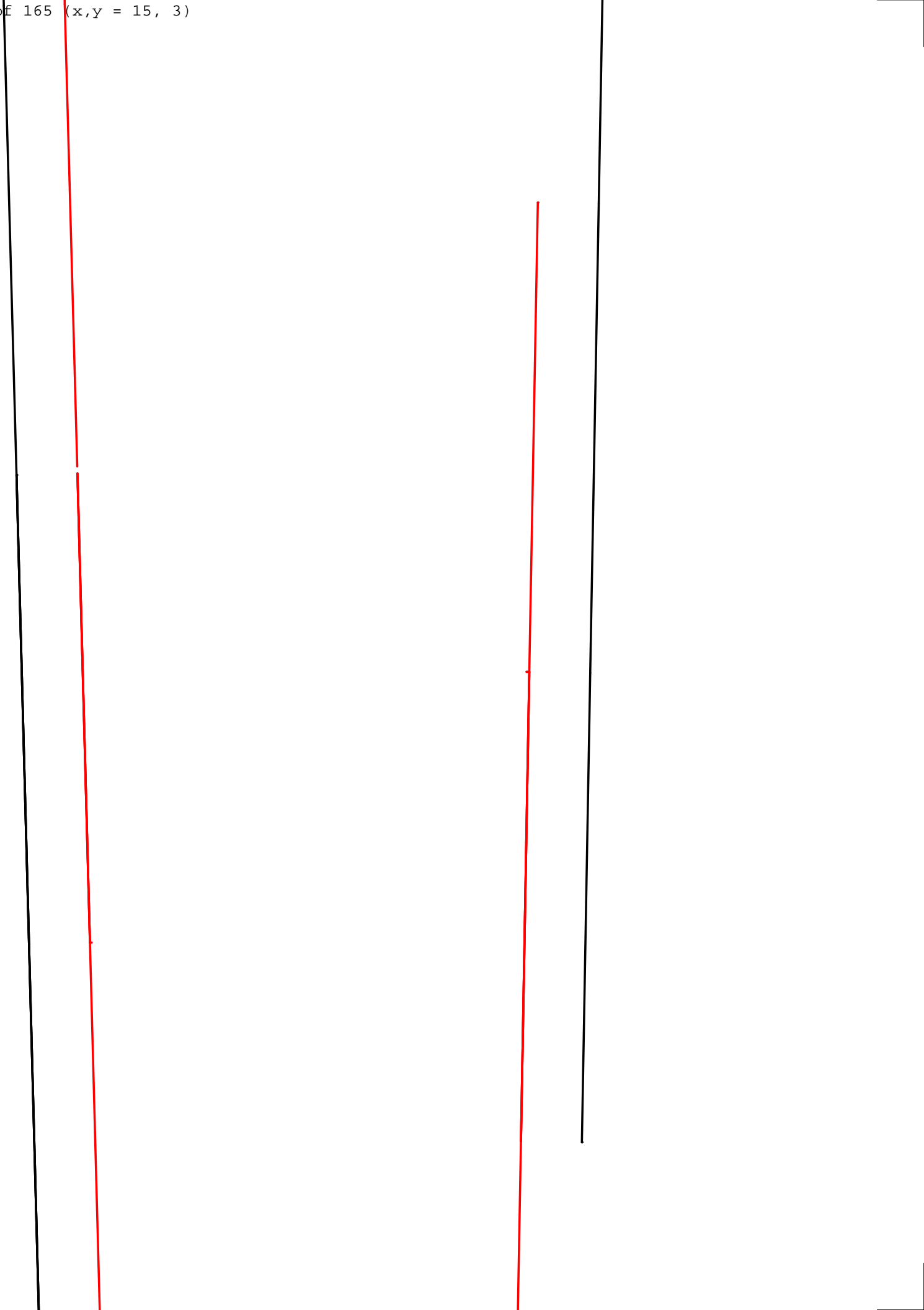
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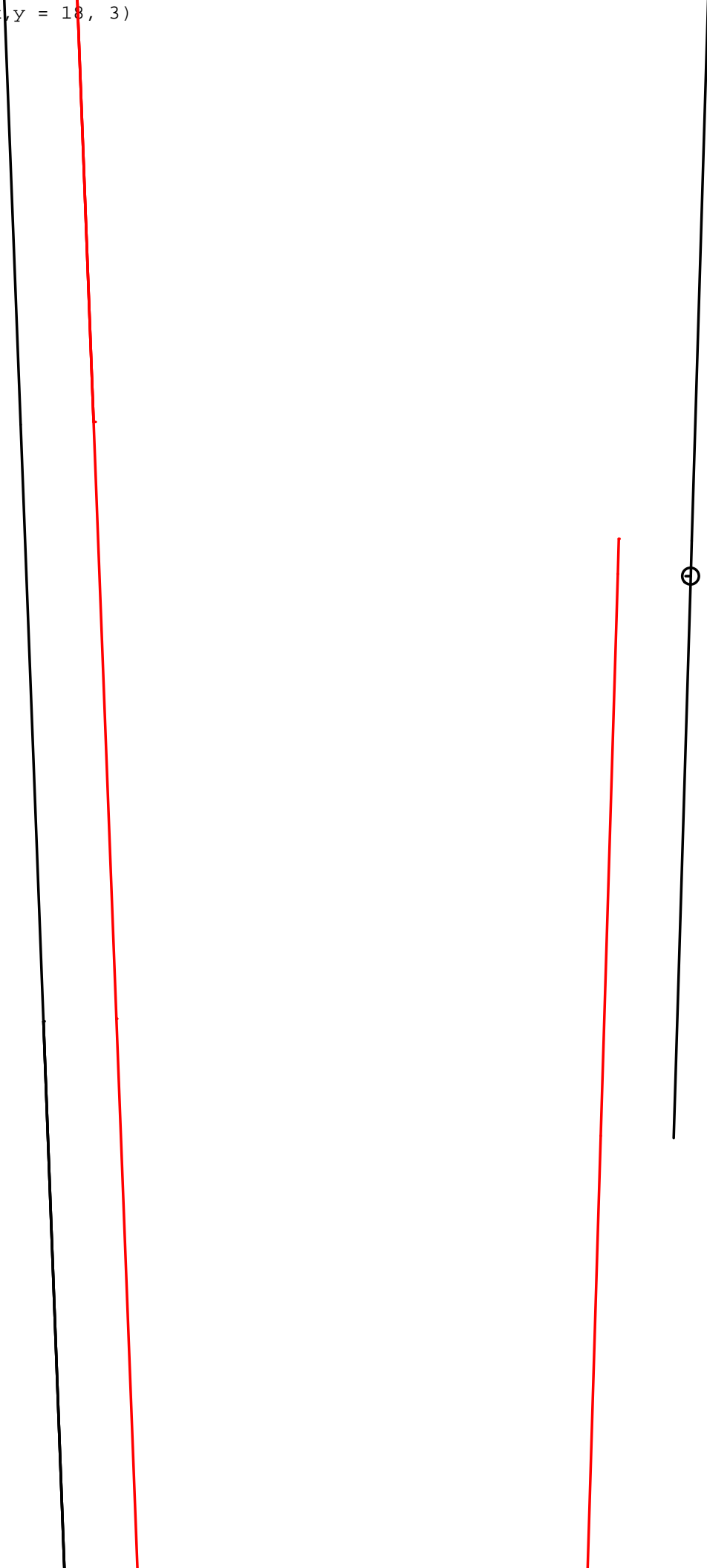
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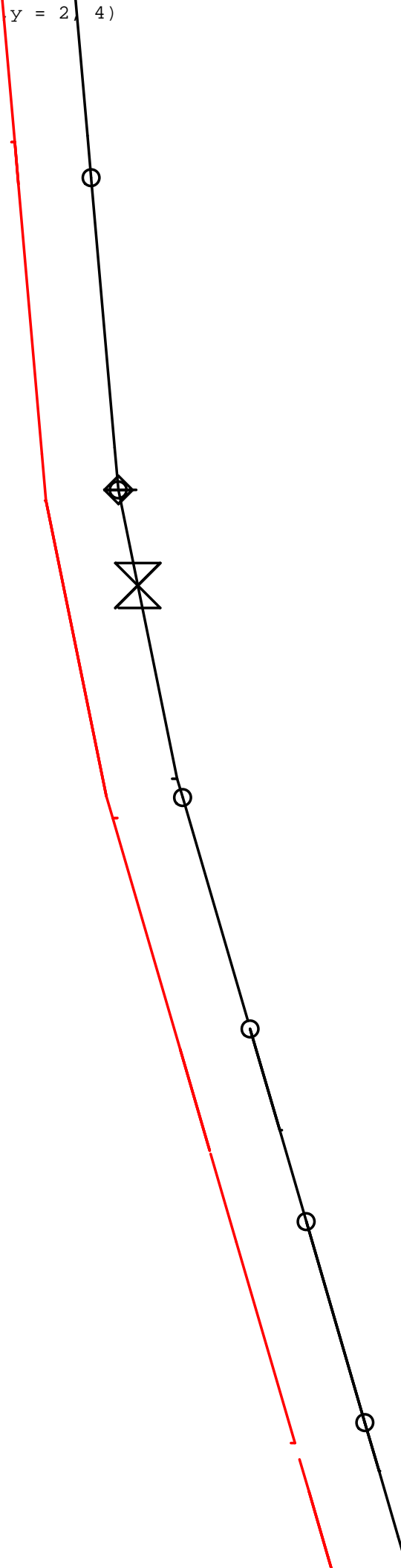




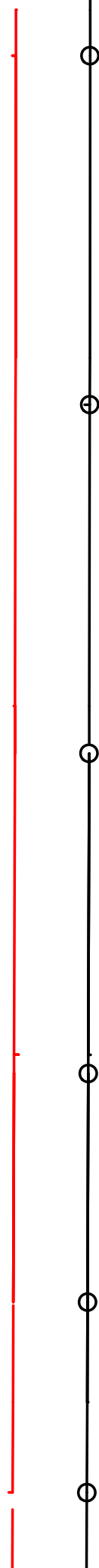












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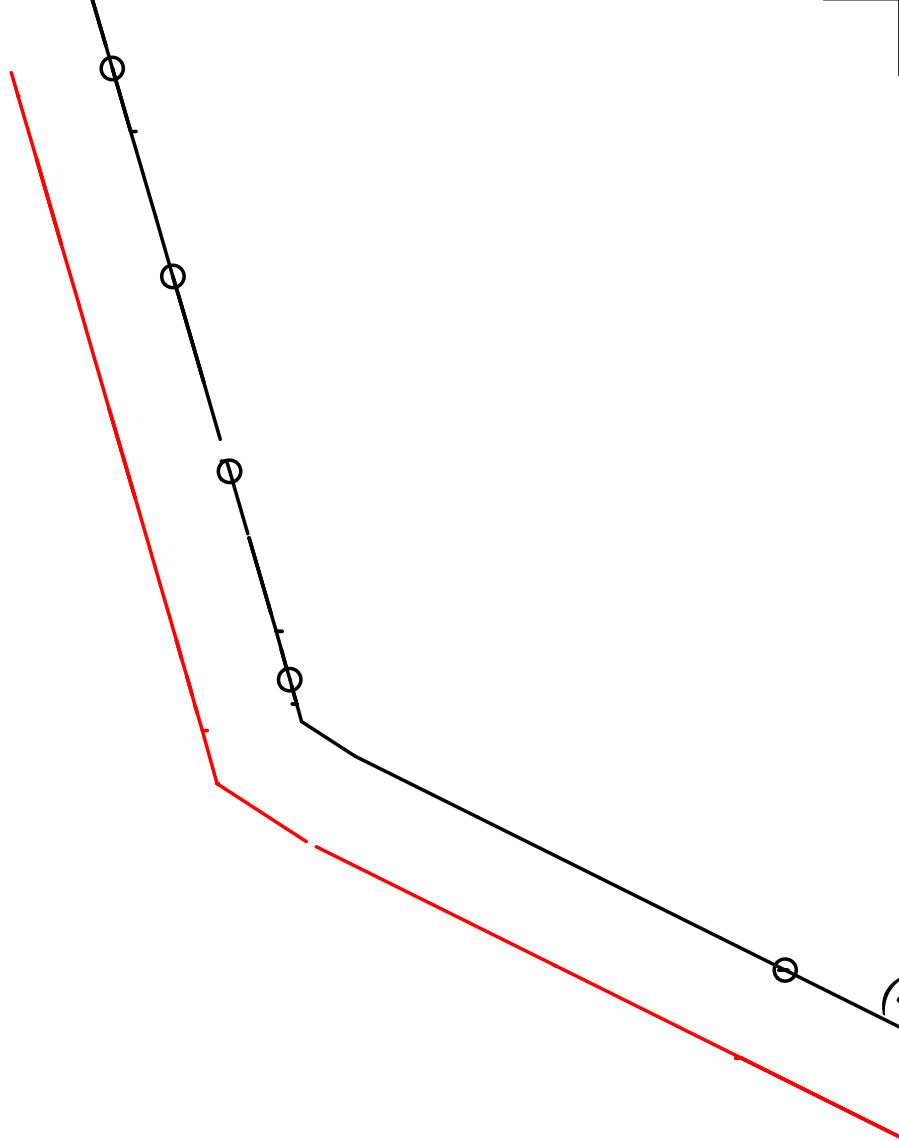


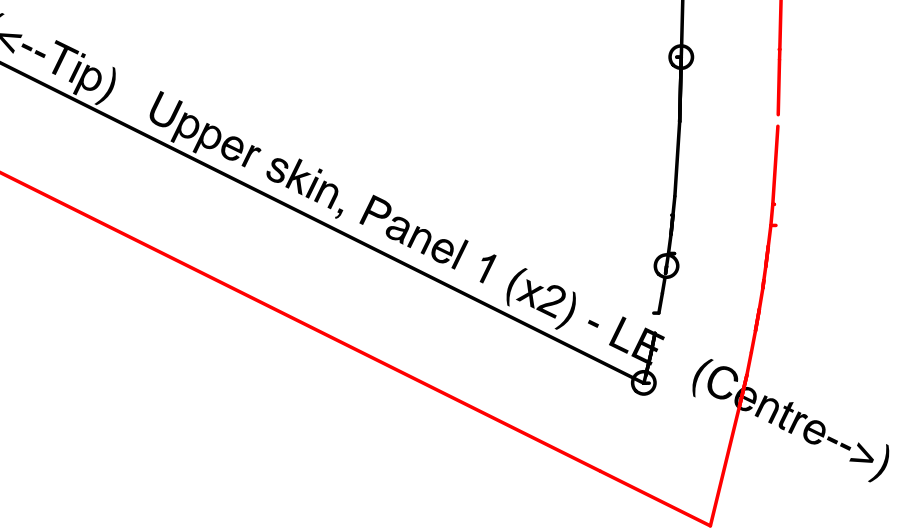


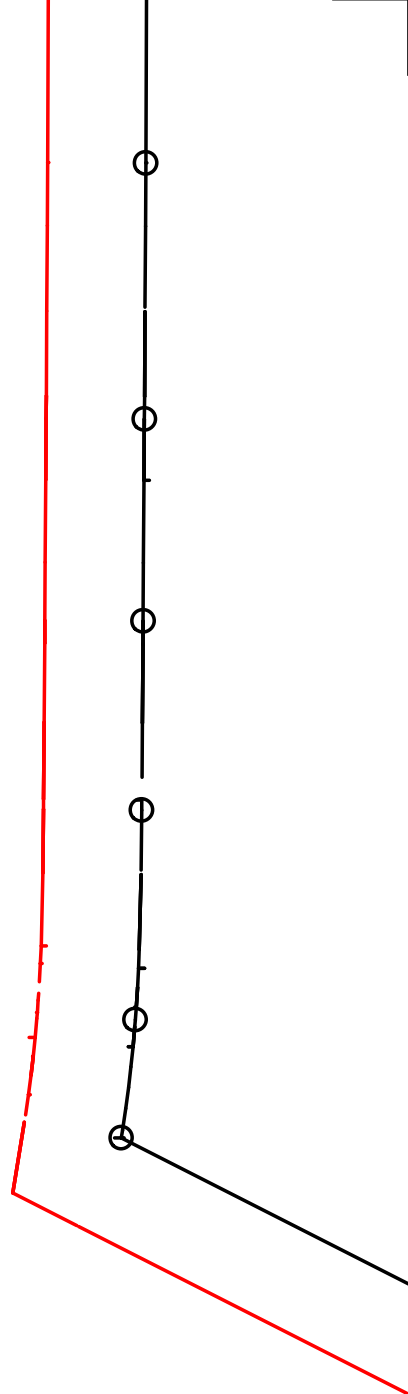




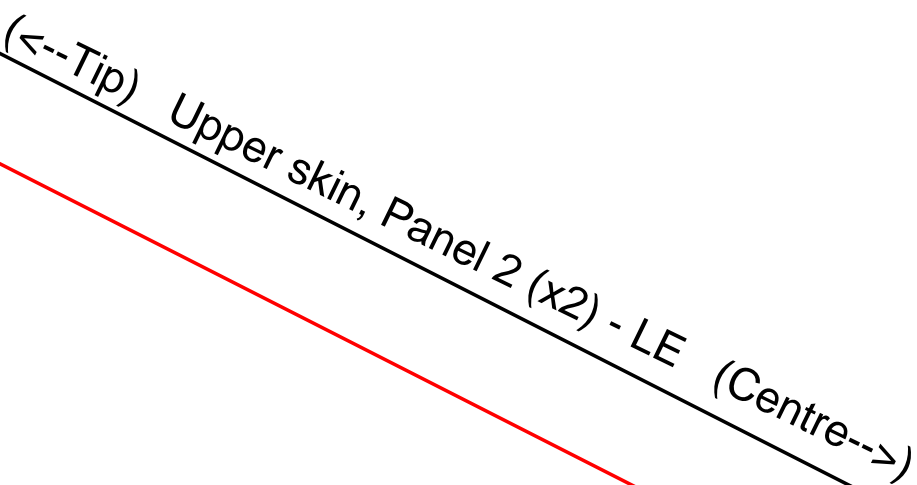


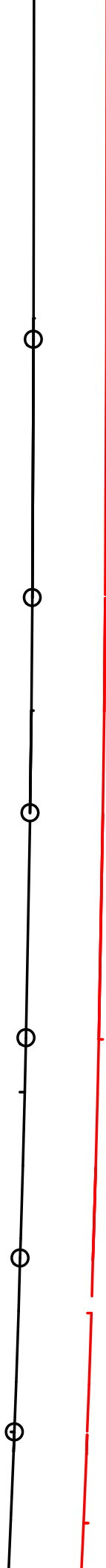






(<--Tip) Upper skin, Panel 2 (x2) - LE (Centre-->)



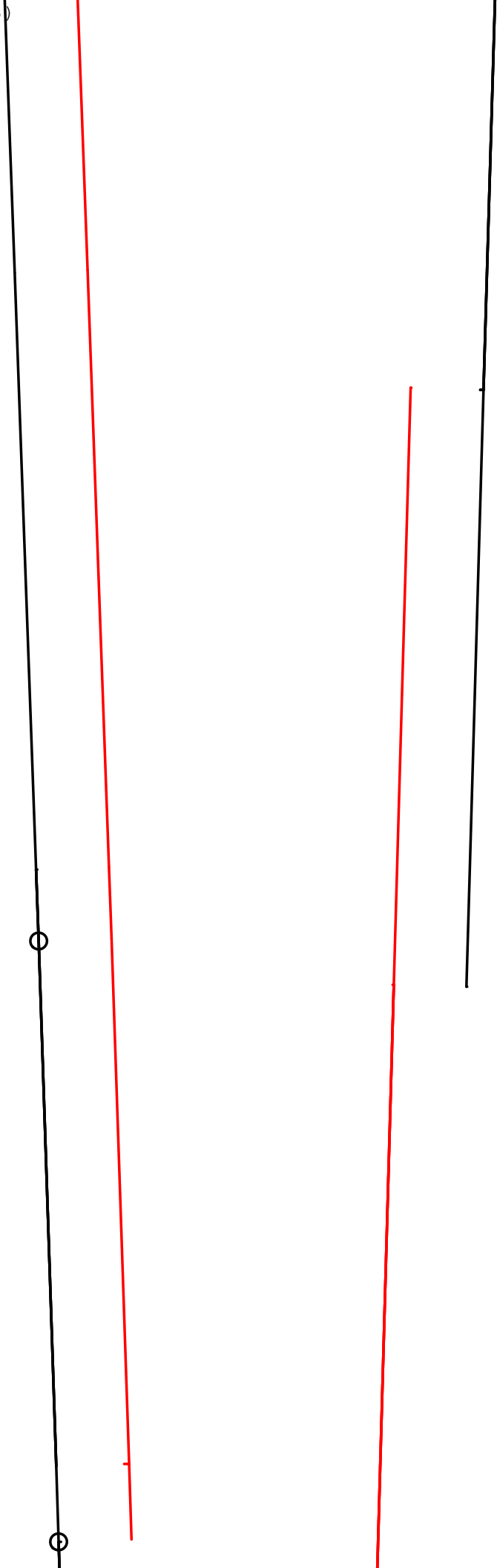


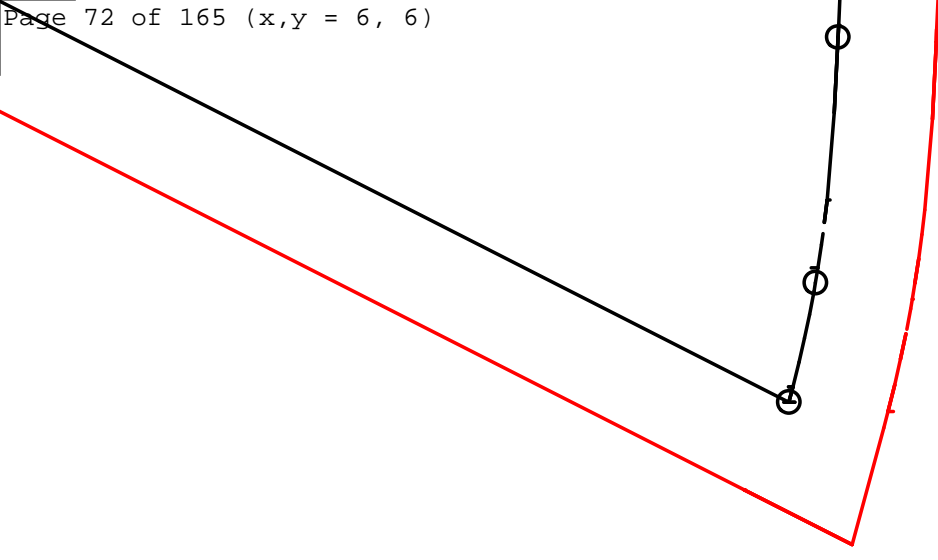


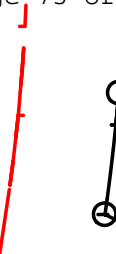




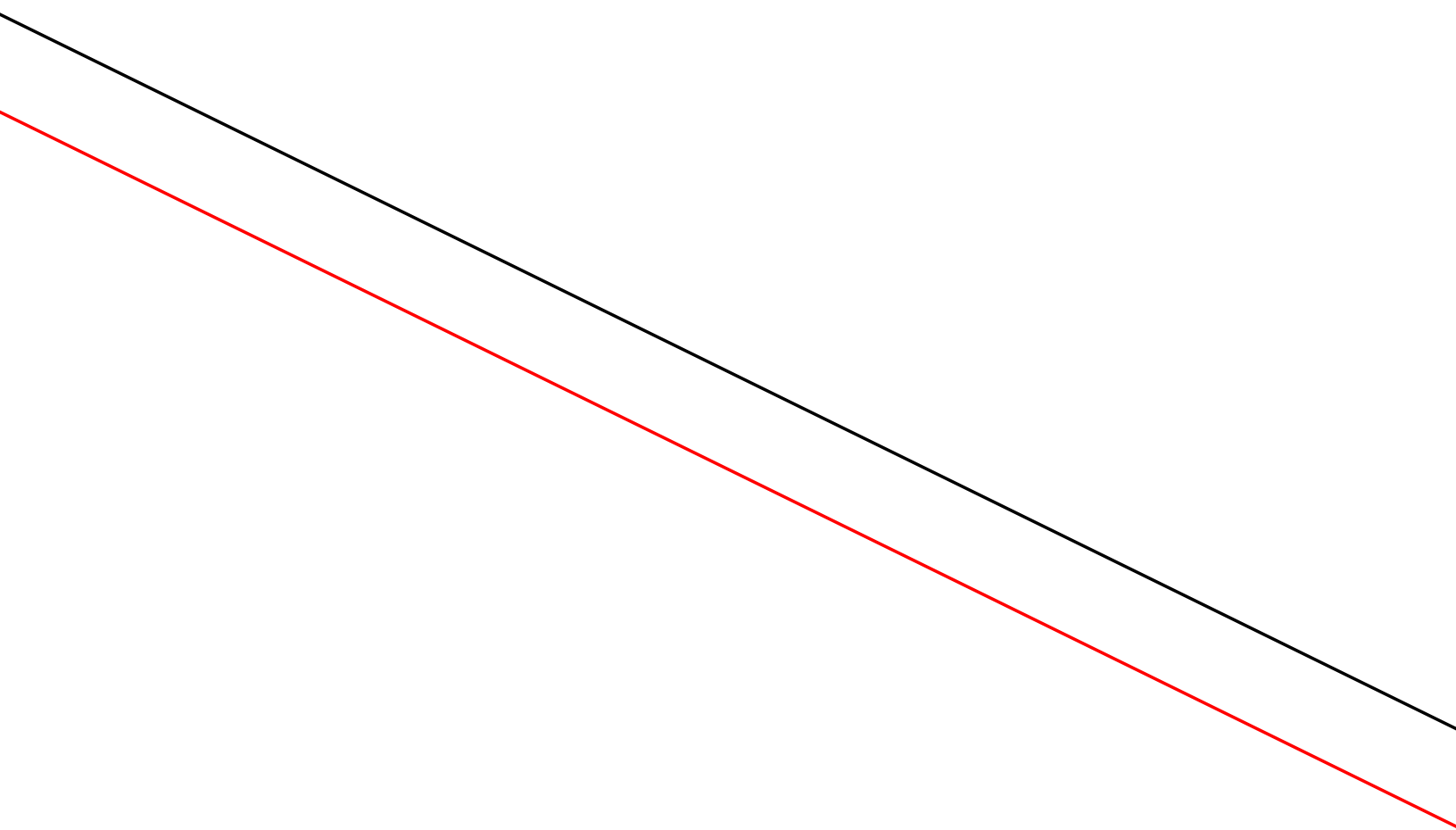


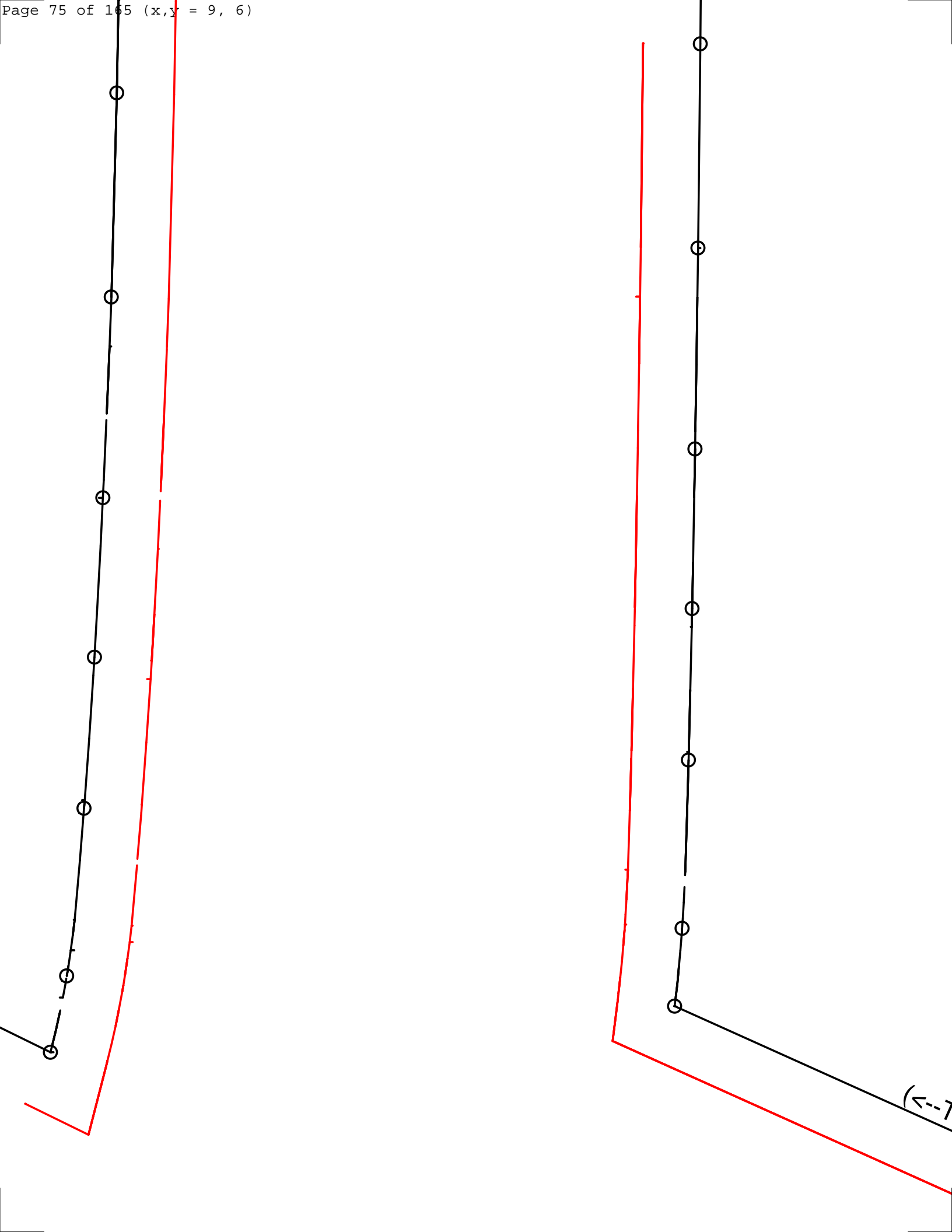




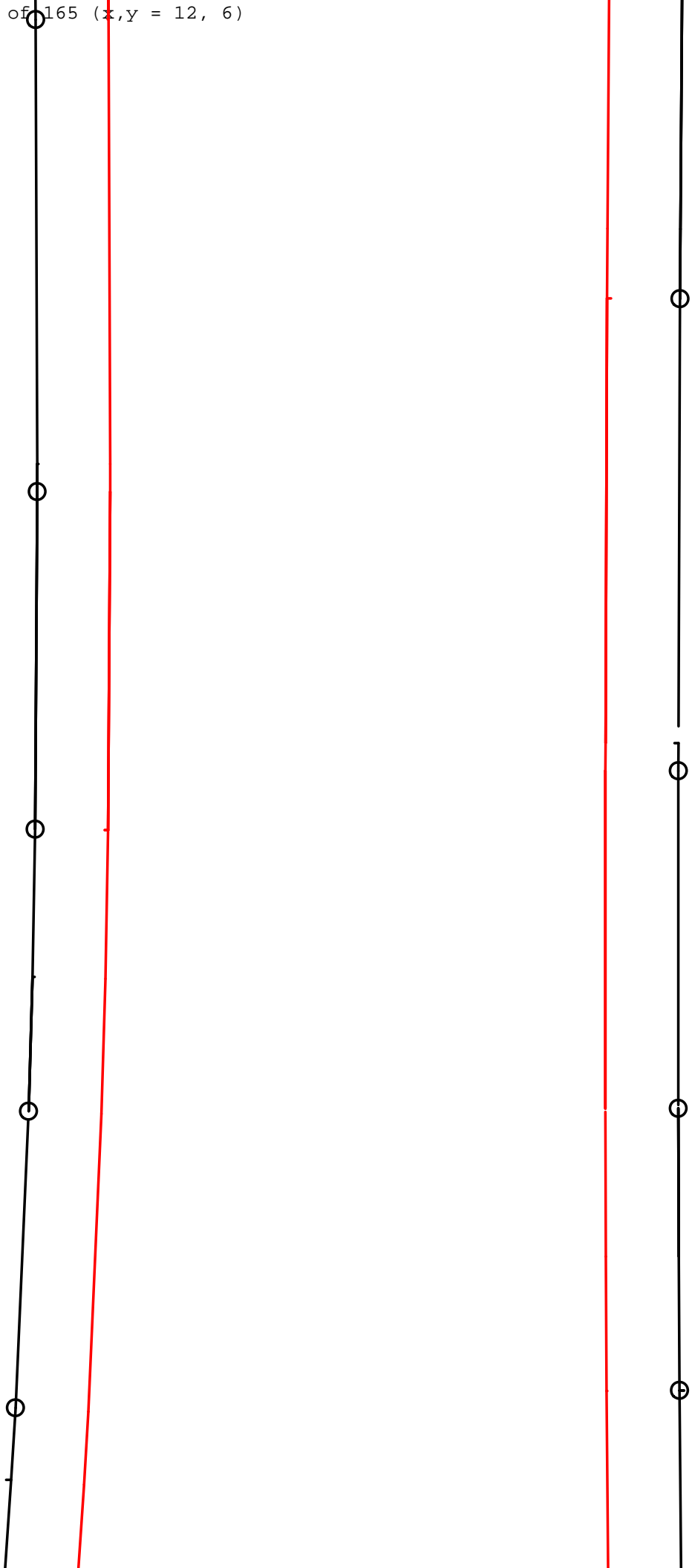


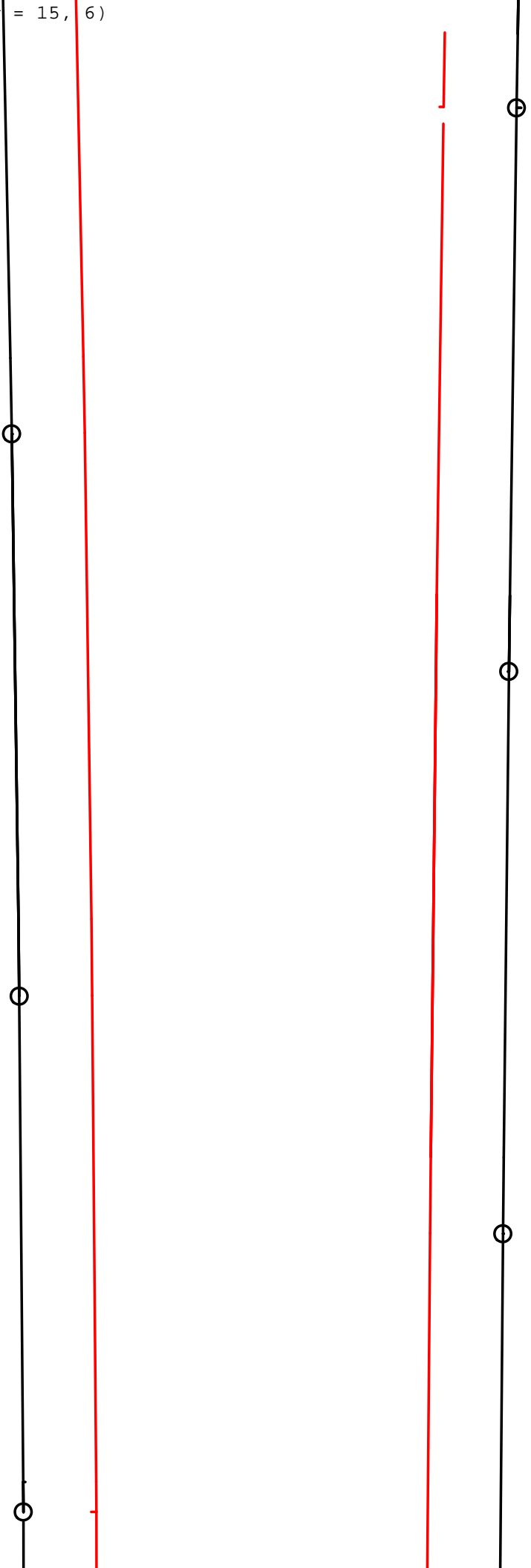
(<--Tip) Upper skin, Panel 3 (x2) - LE (Centre-->)

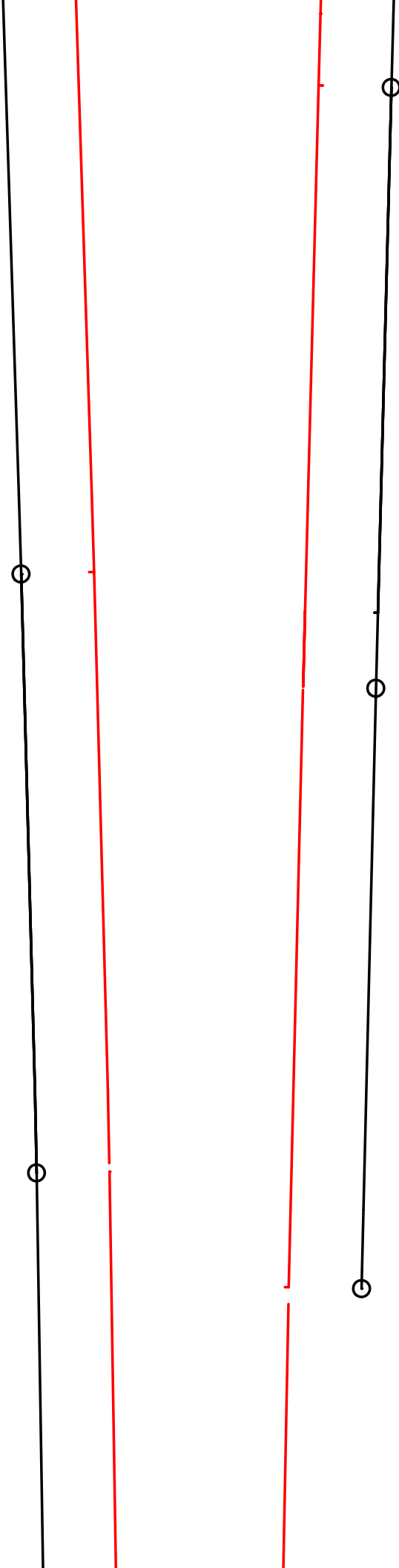




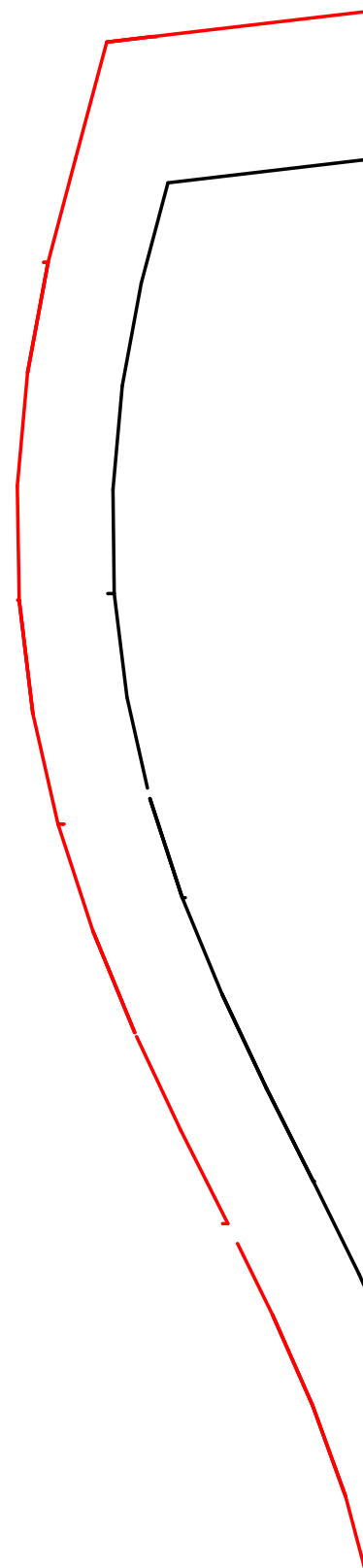
Tip) Upper skin, Panel 4 (

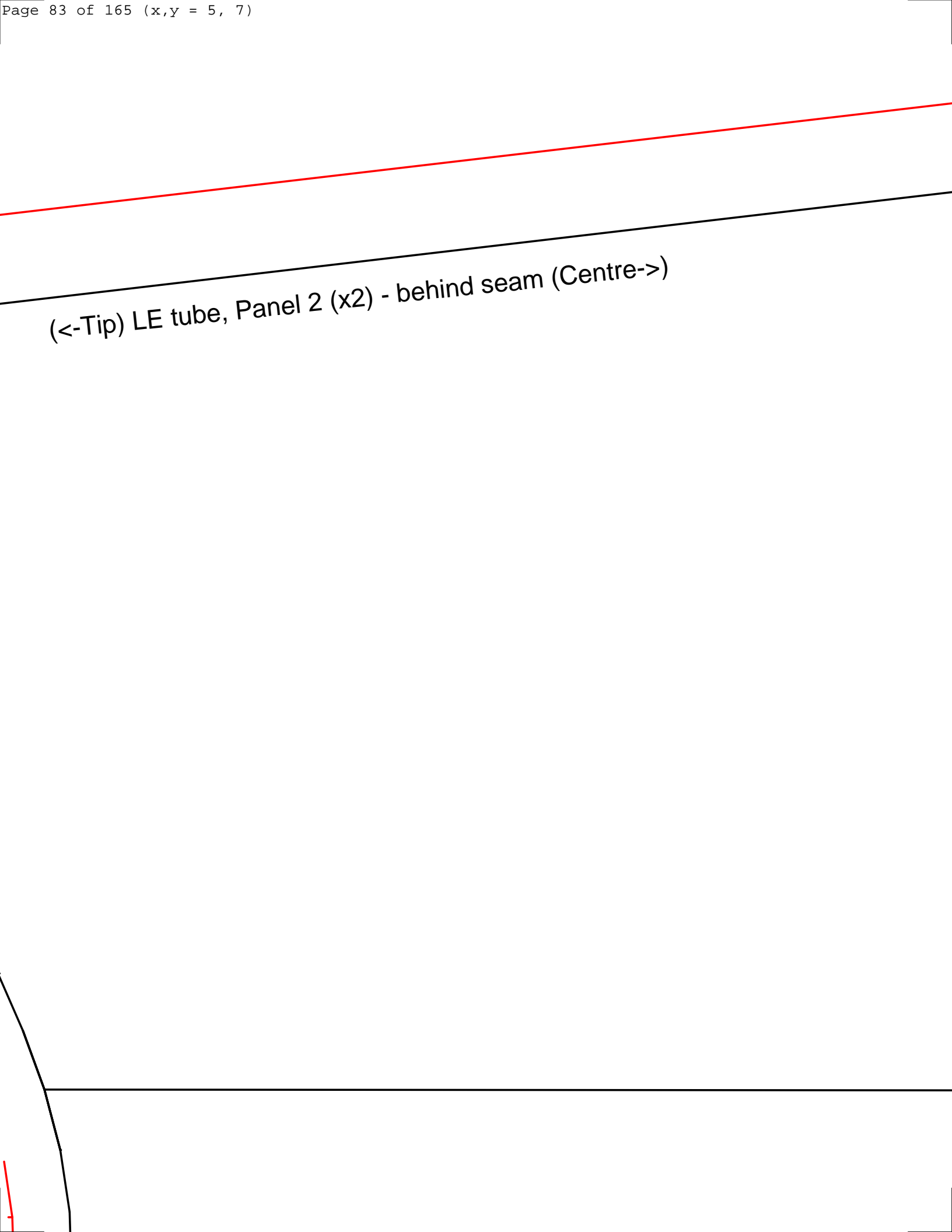




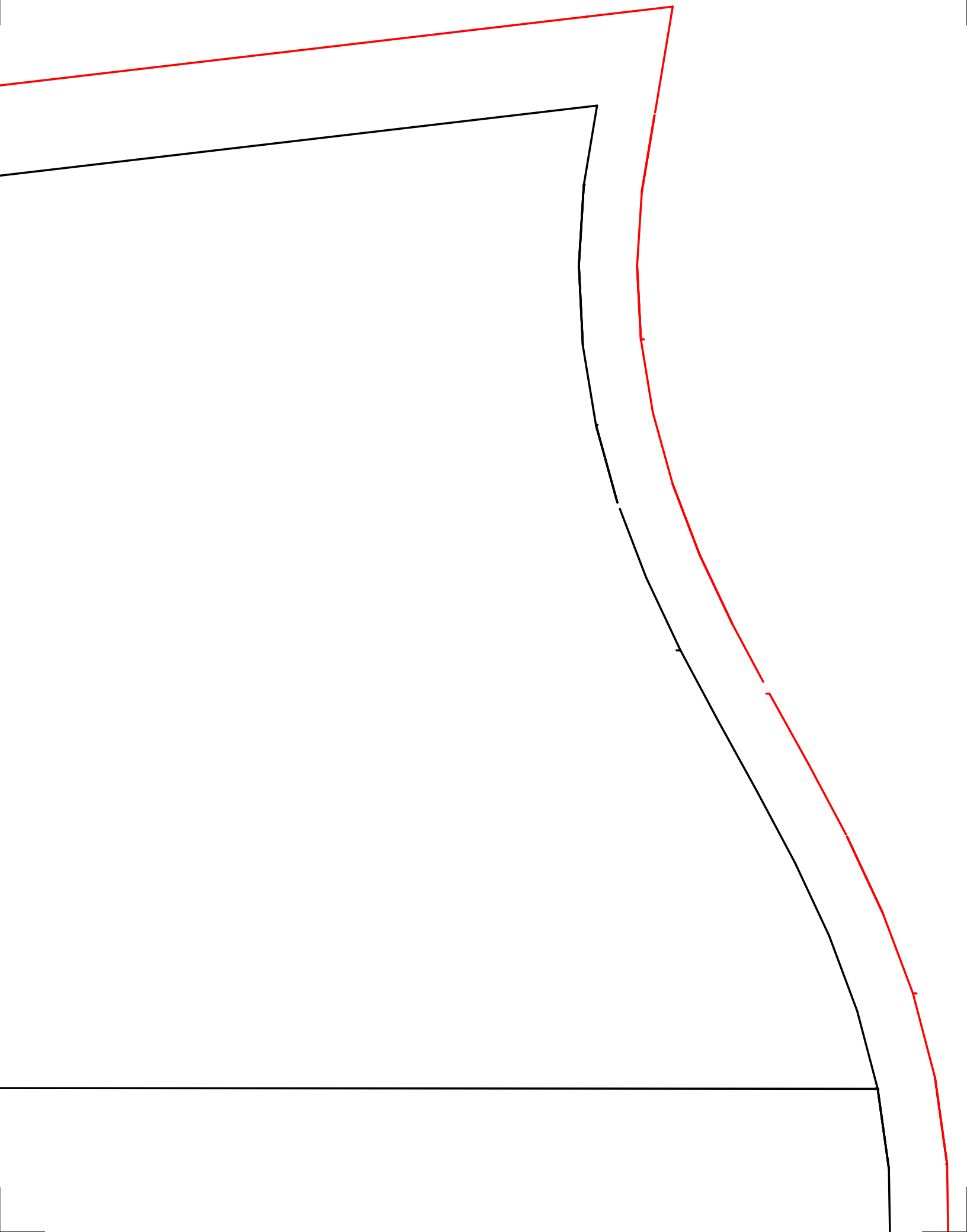


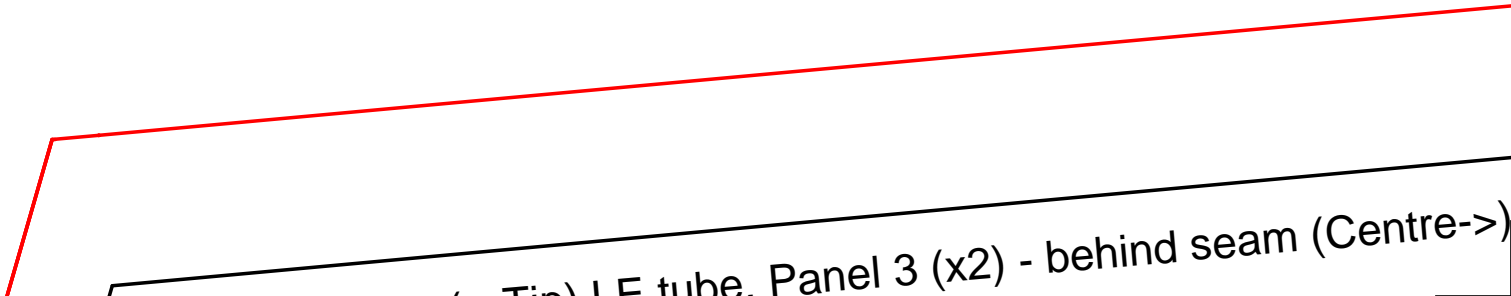




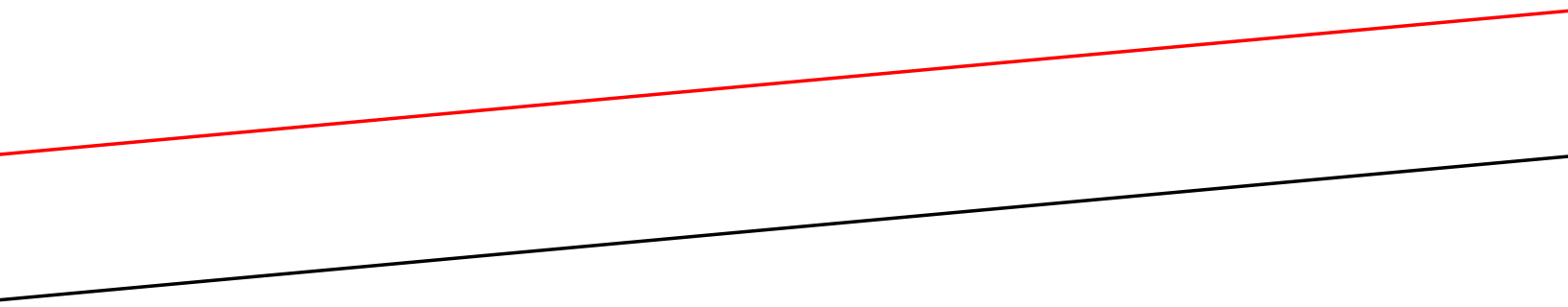


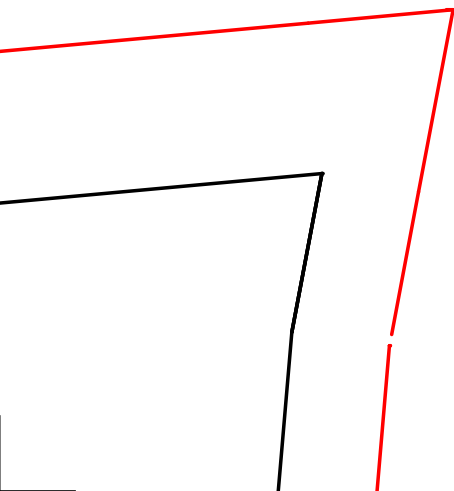
(-<Tip) LE tube, Panel 2 (x2) - behind seam (Centre->)



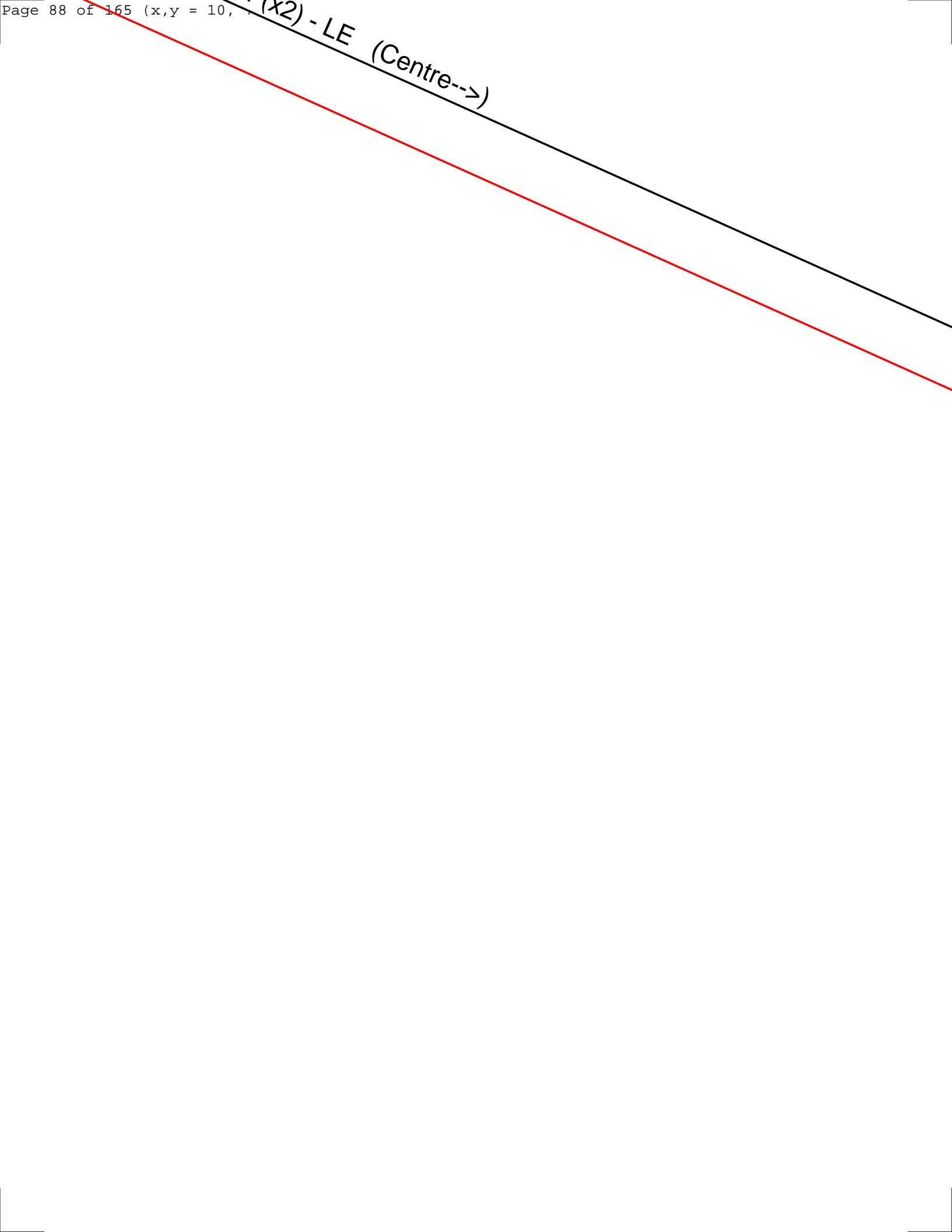


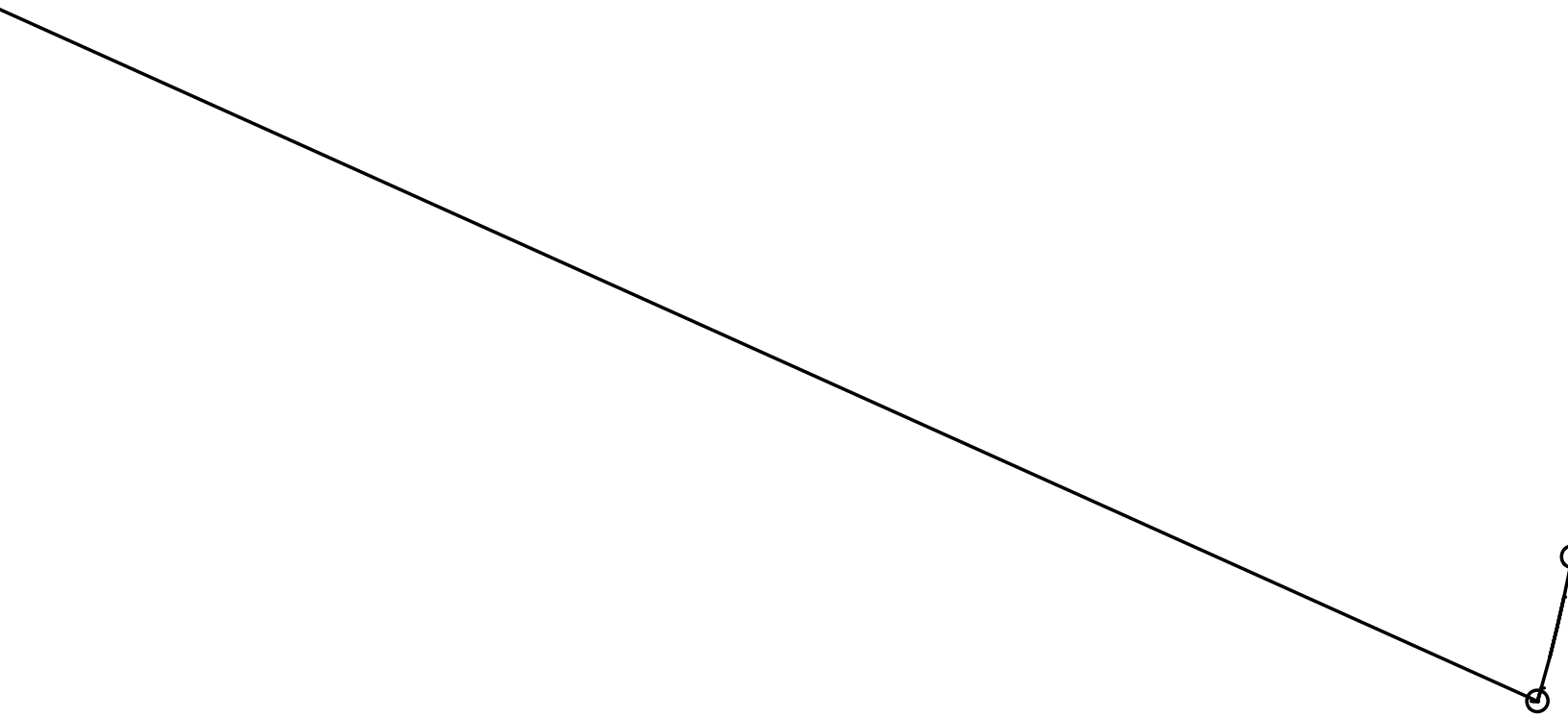
(Tip) LE tube, Panel 3 (x2) - behind seam (Centre->)



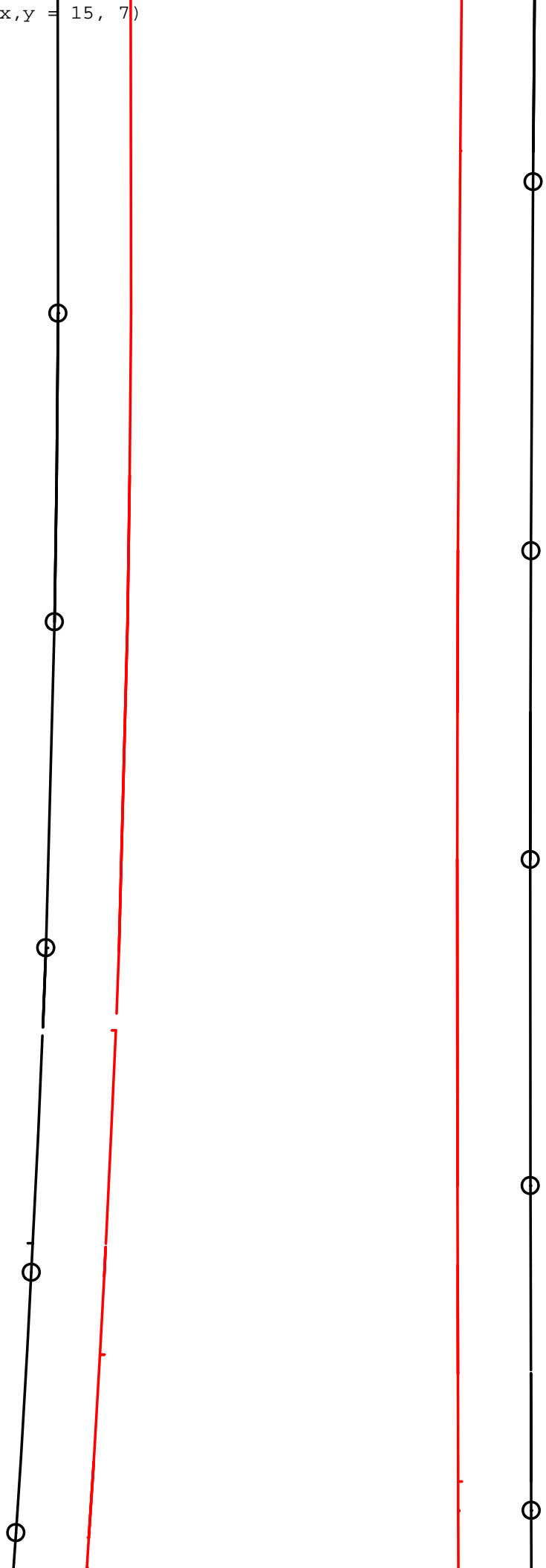


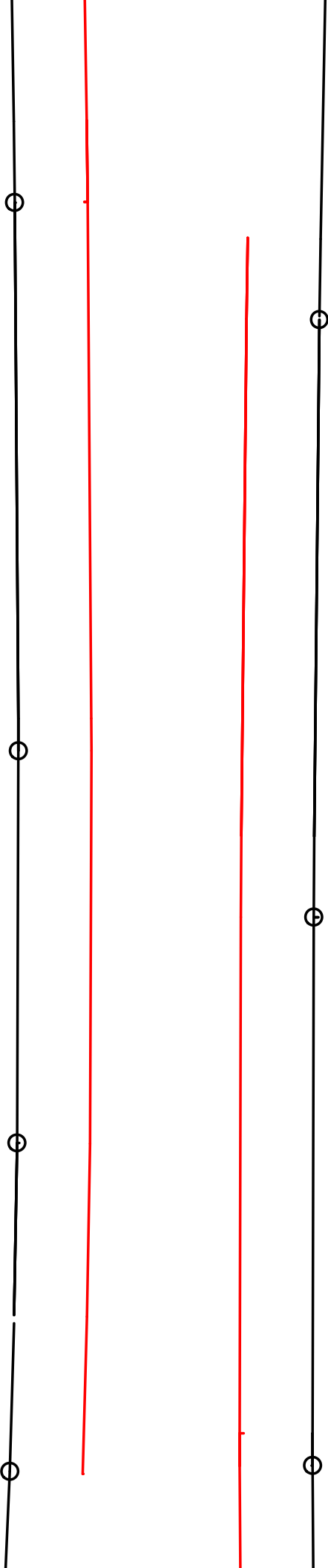
(x2) - LE (Centre-->)





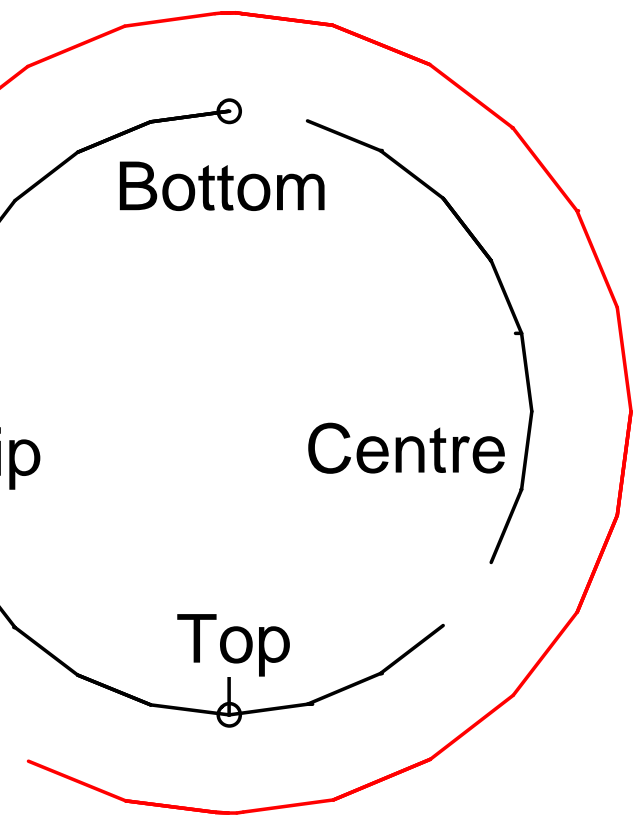
Upper skin, Panel 5 (x2) - LE (Centre-->)





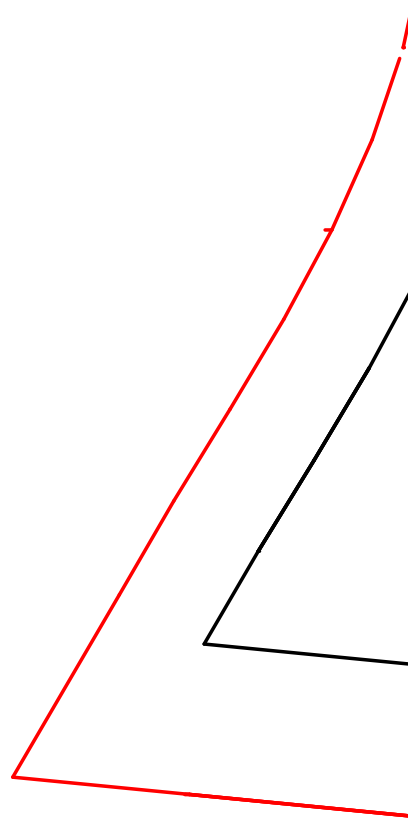


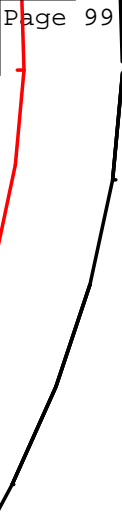
rib 1, piece 3 of 3 TE



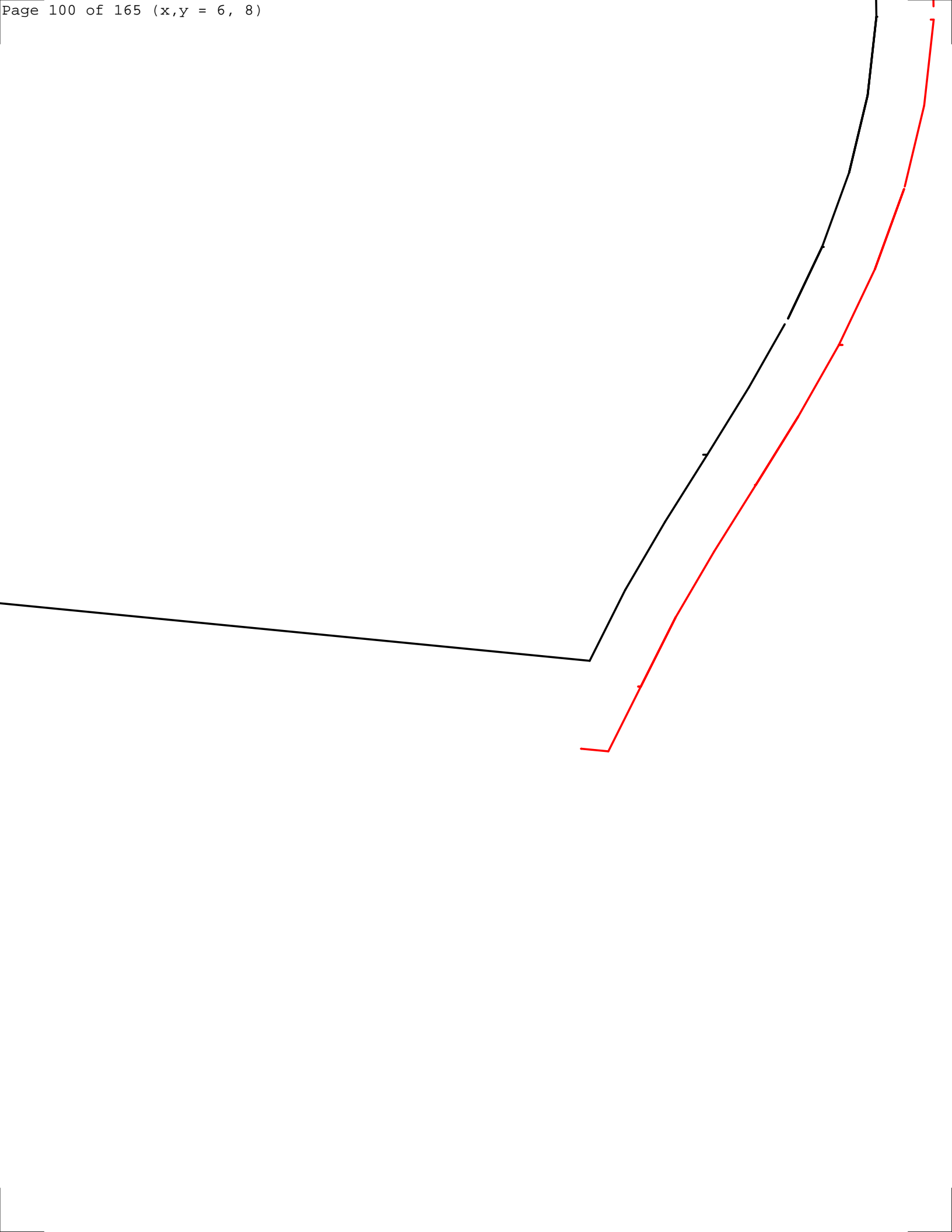
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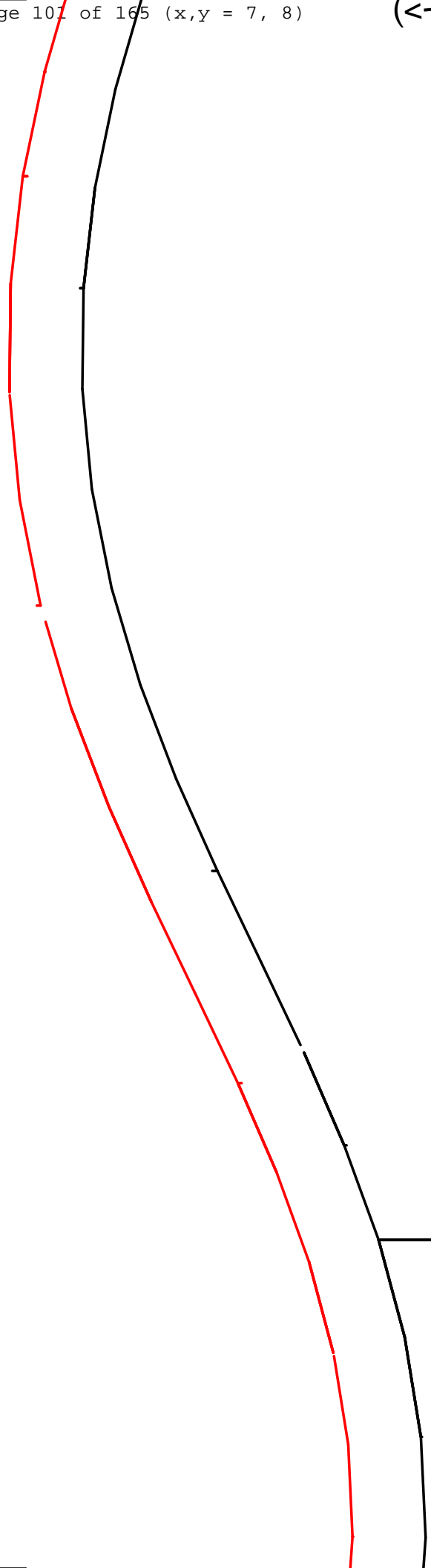
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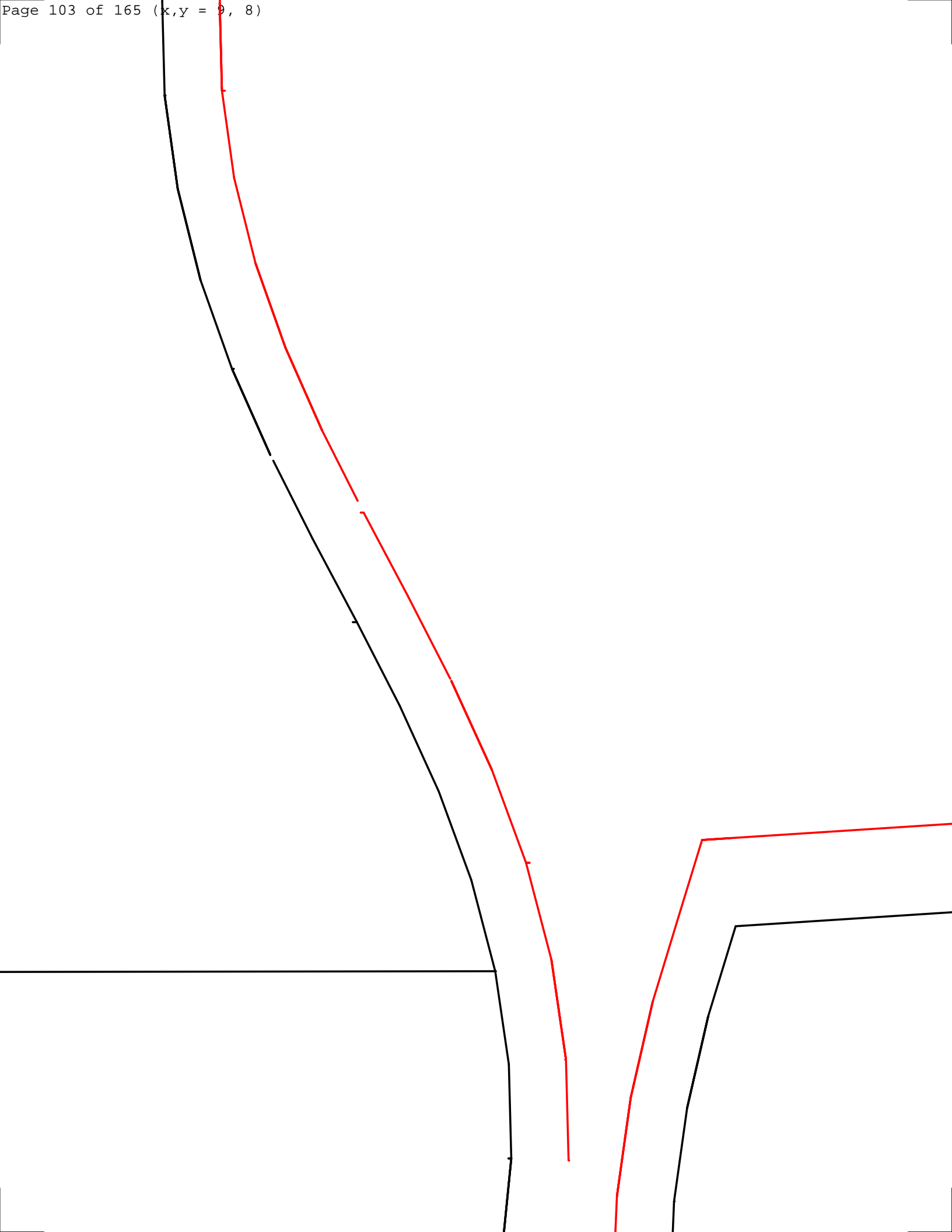


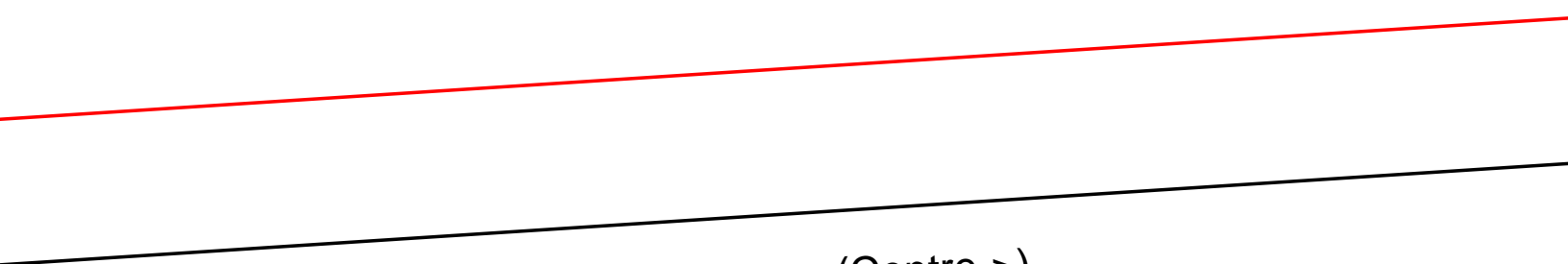


(<-Tip) LE tube, Panel 2 (x2) - front of seam (Centre->)

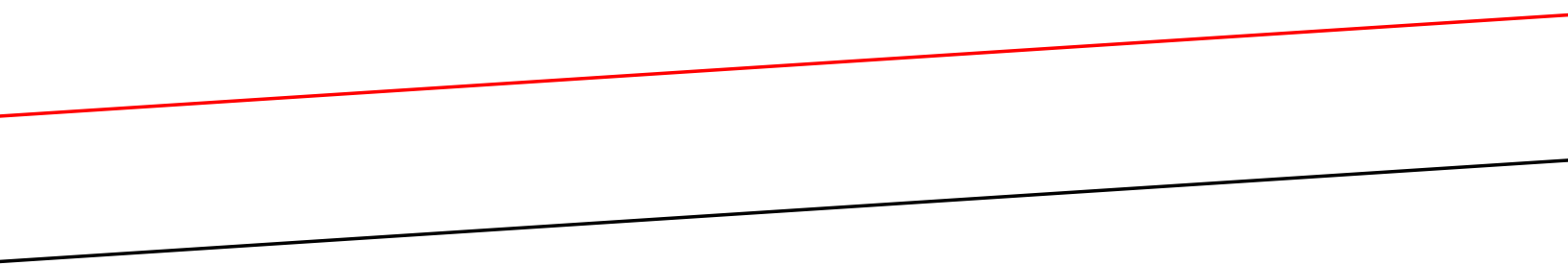


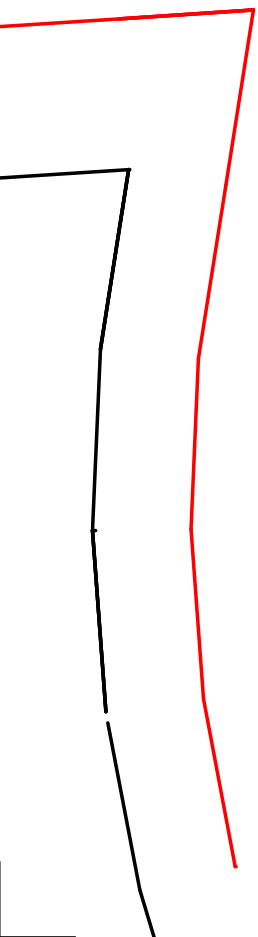


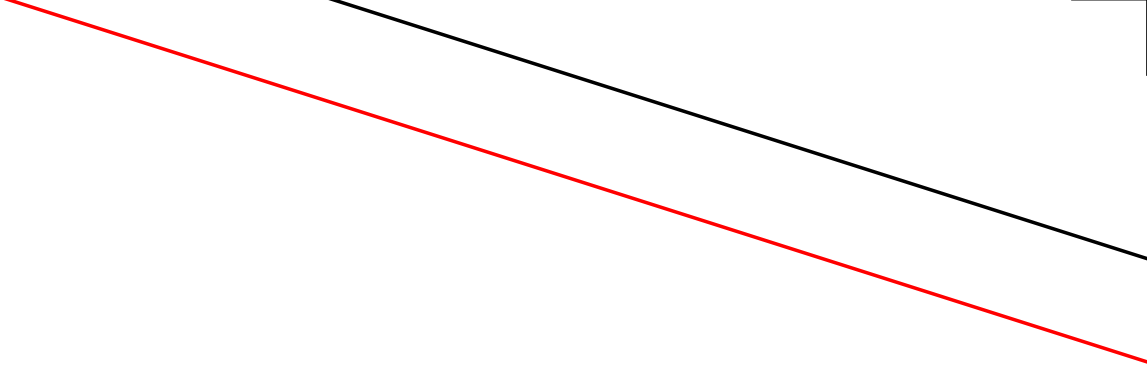


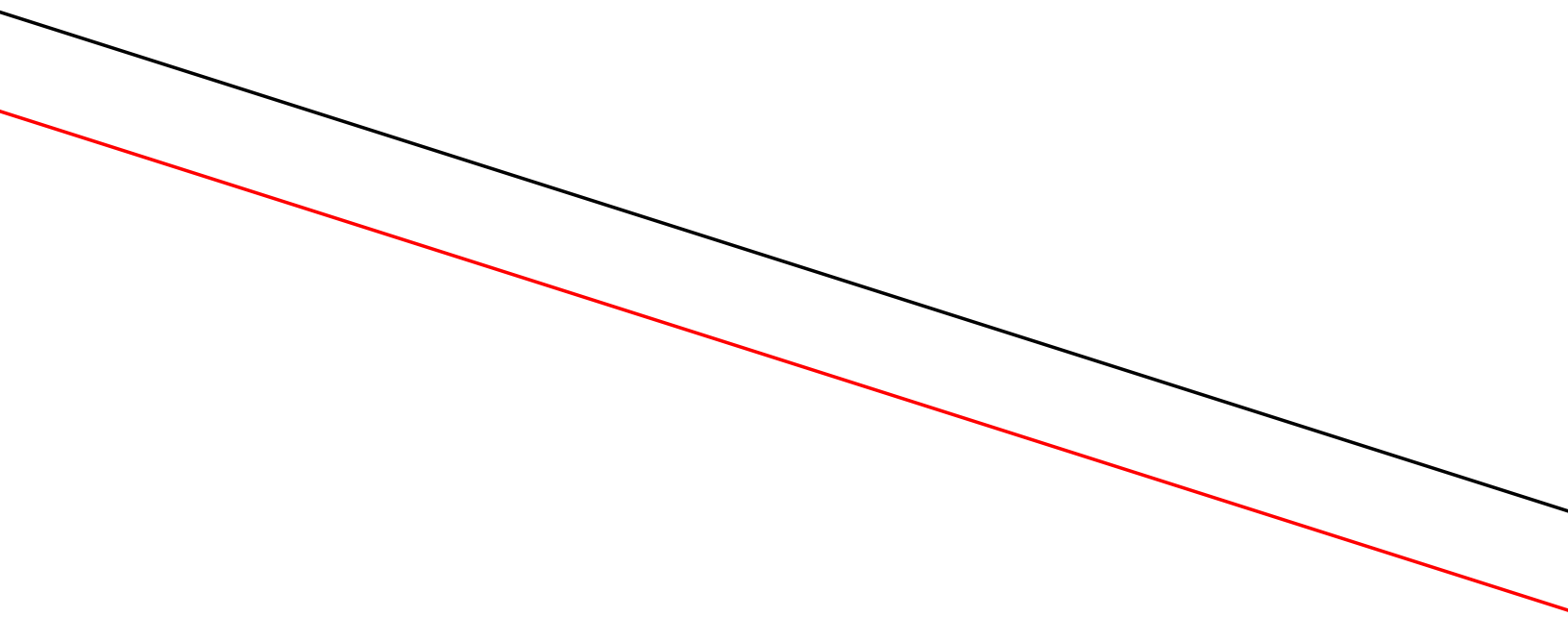


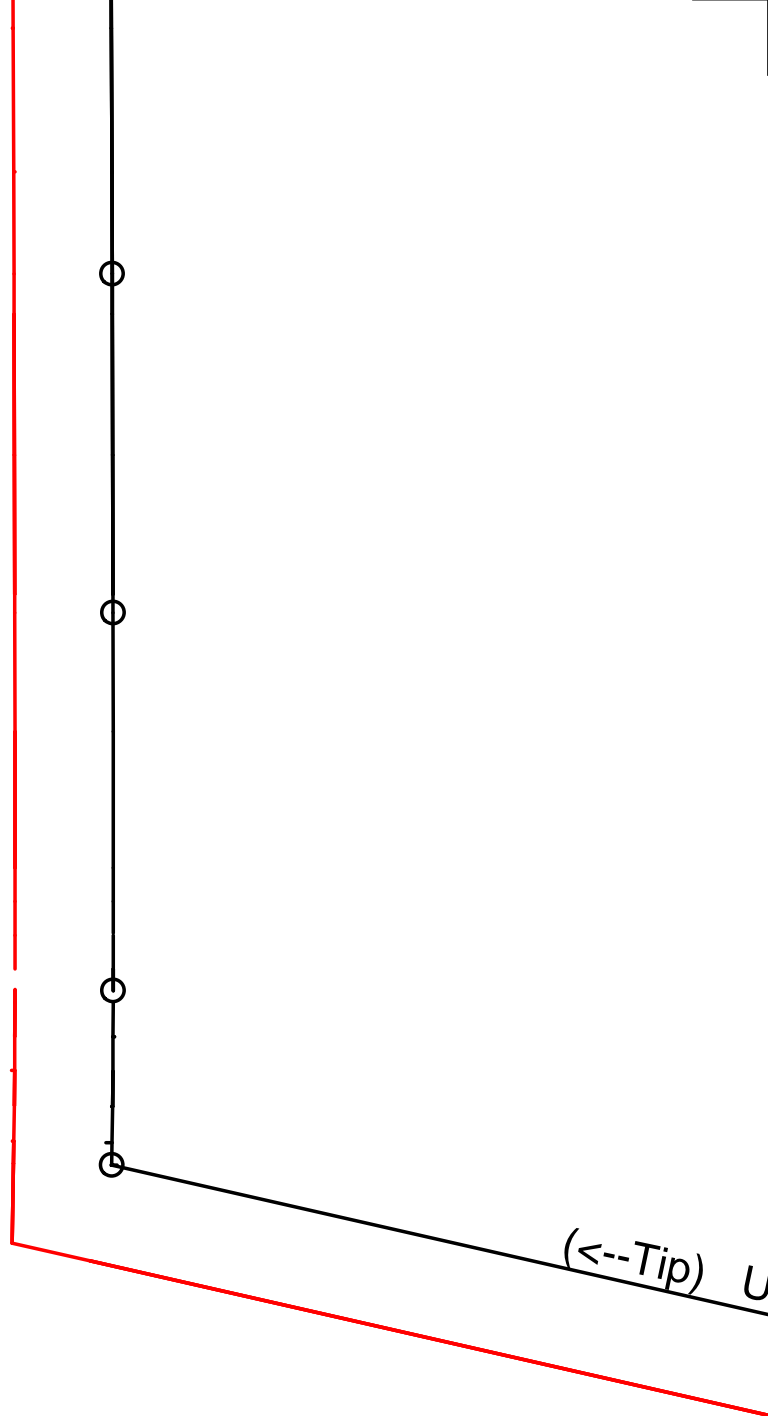
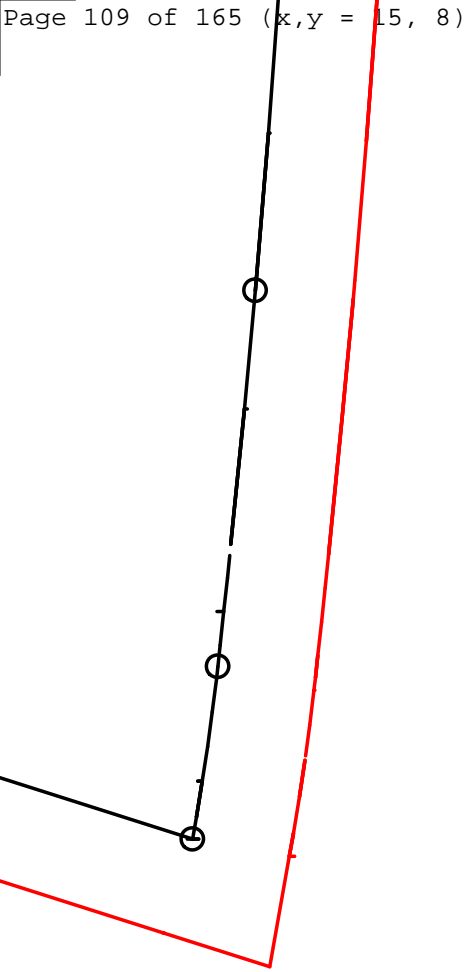
(<-Tip) LE tube, Panel 4 (x2) - behind seam (Centre->)



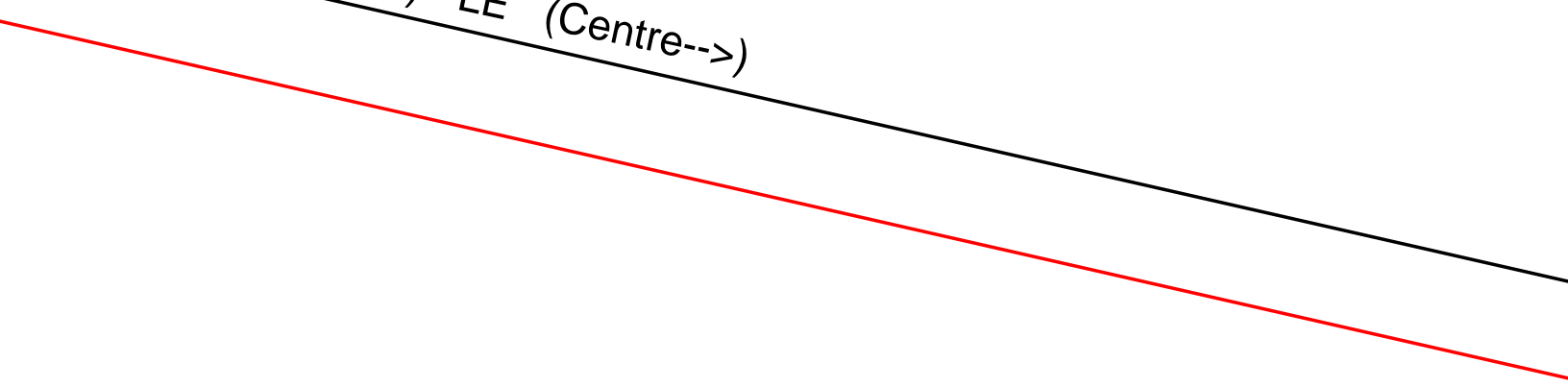


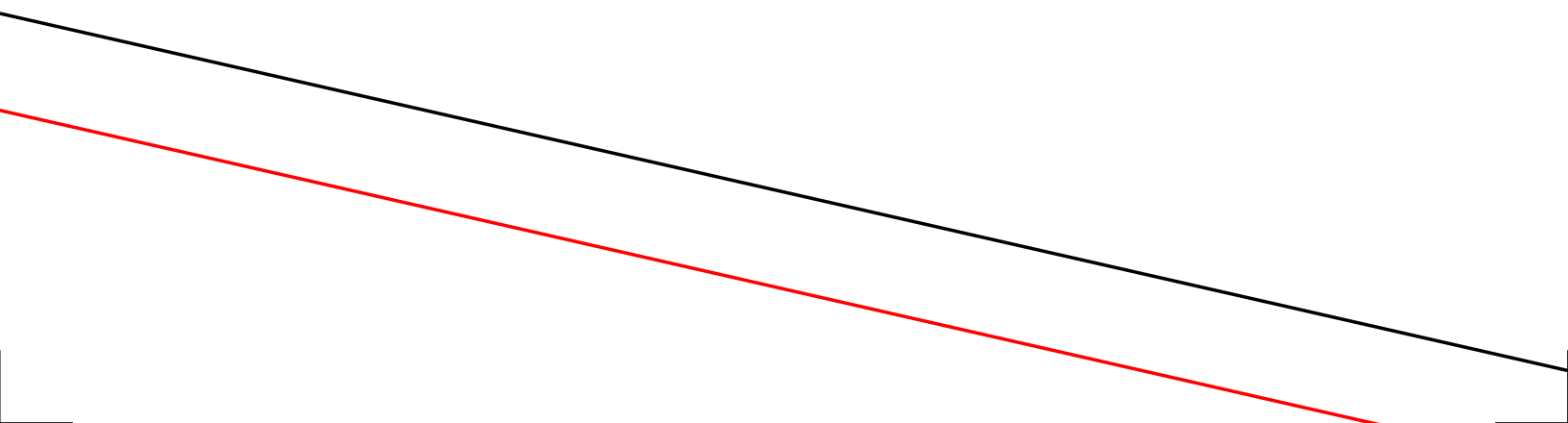


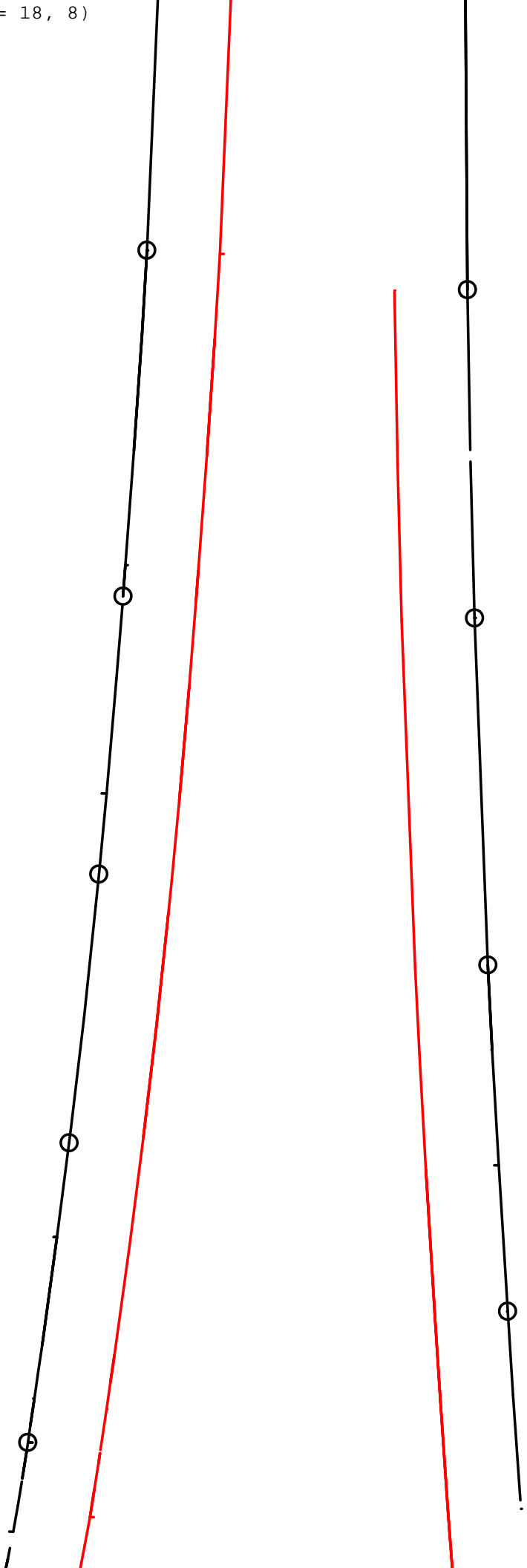


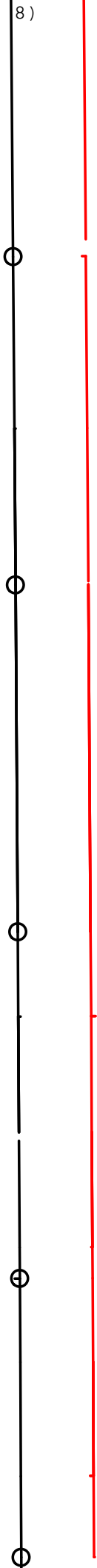


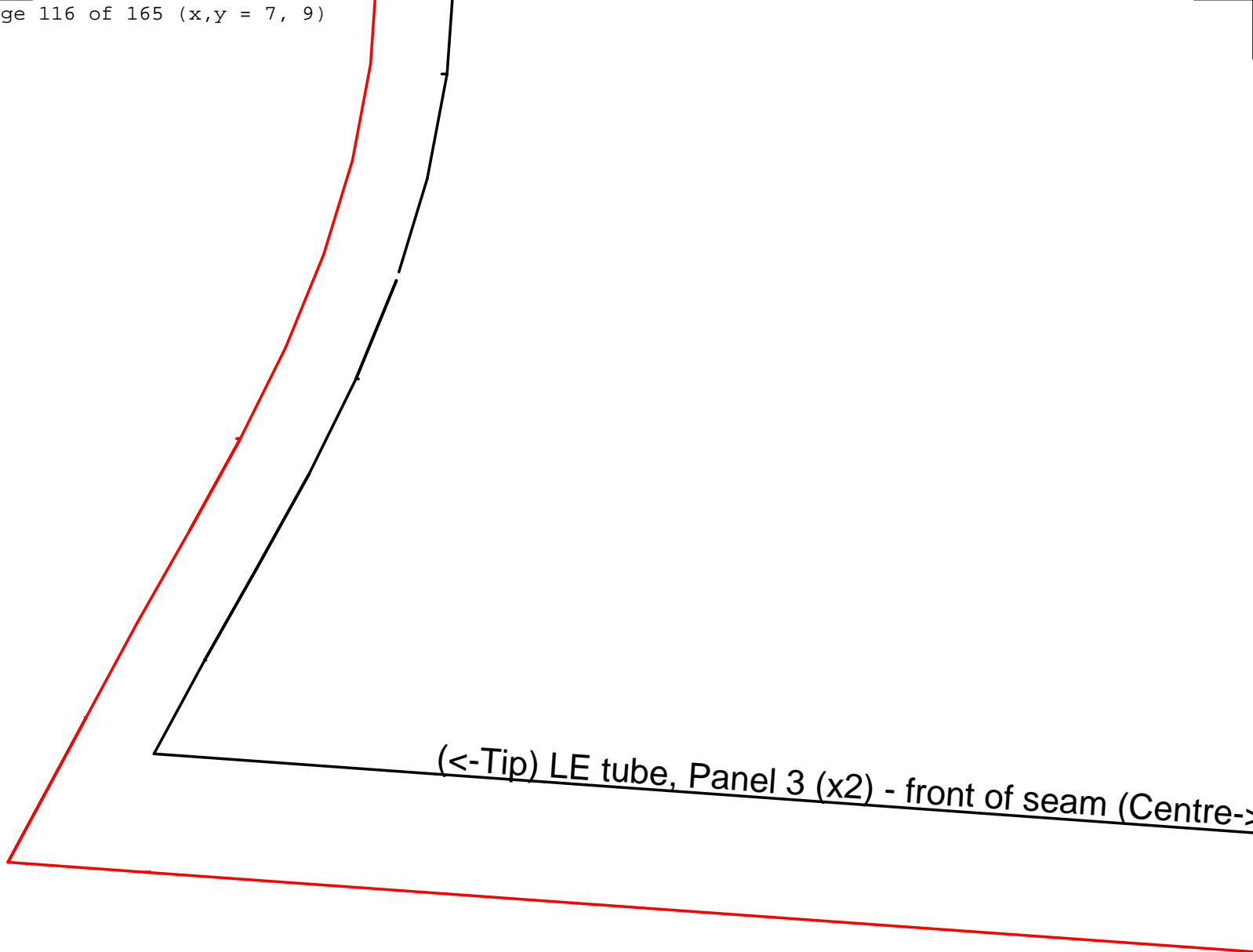
Upper skin, Panel 6 (x2) - LE (Centre-->)

The image shows two parallel lines sloping downwards from left to right. The upper line is black and the lower line is red. They are positioned below the text label.



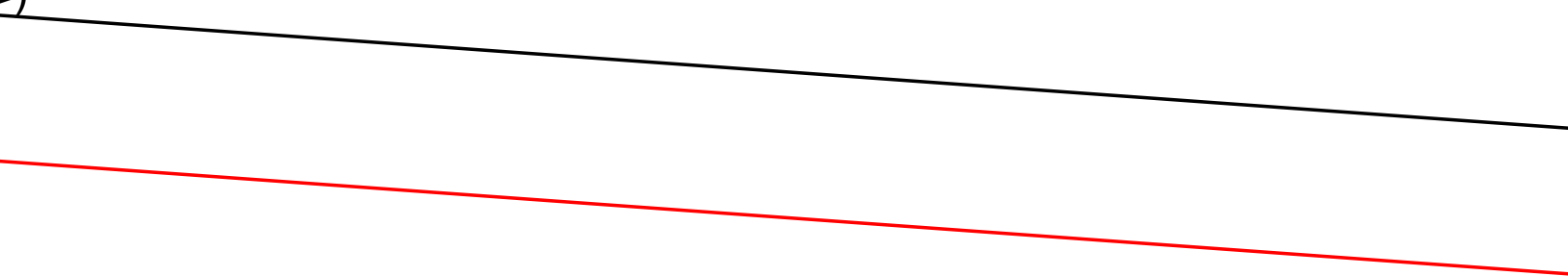


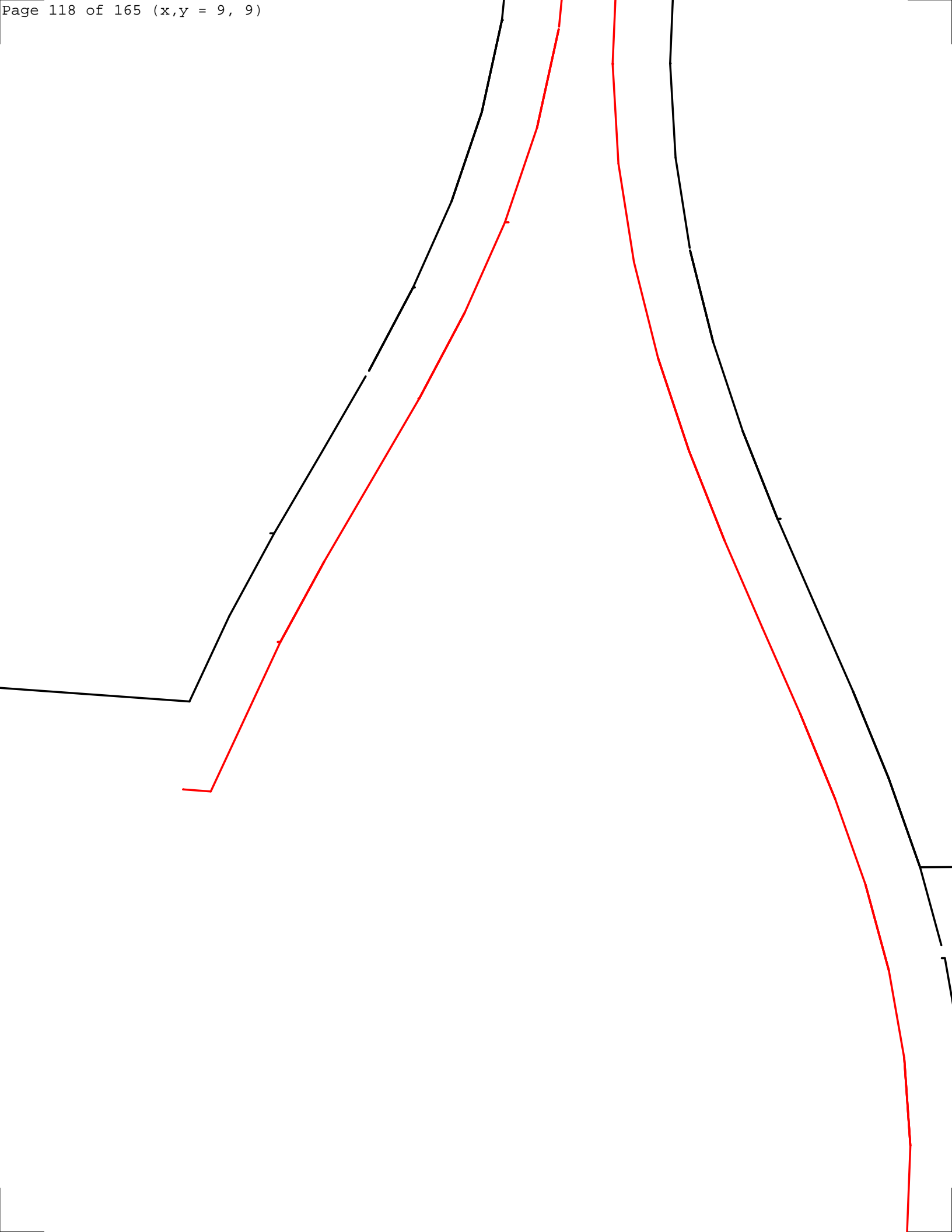


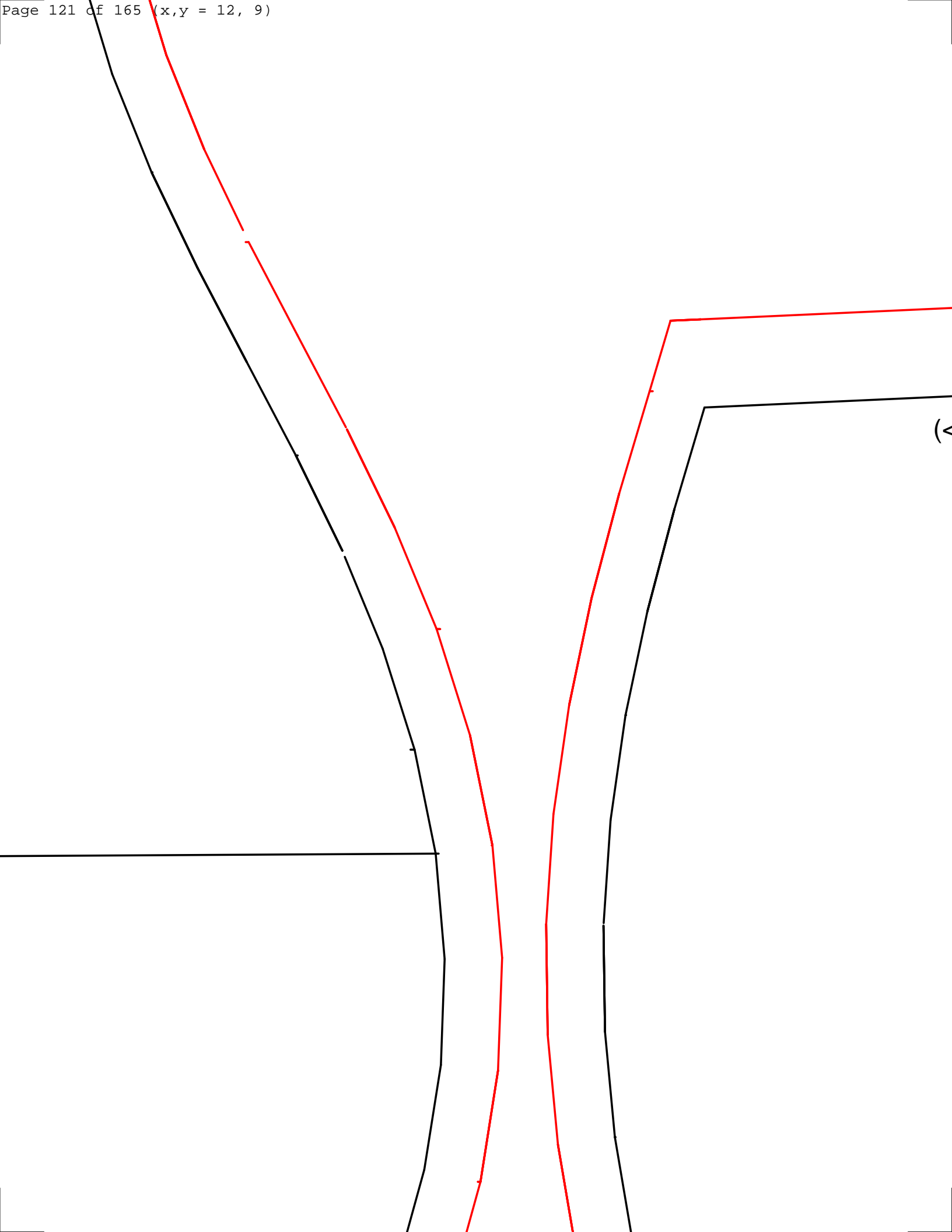


(<-Tip) LE tube, Panel 3 (x2) - front of seam (Centre->

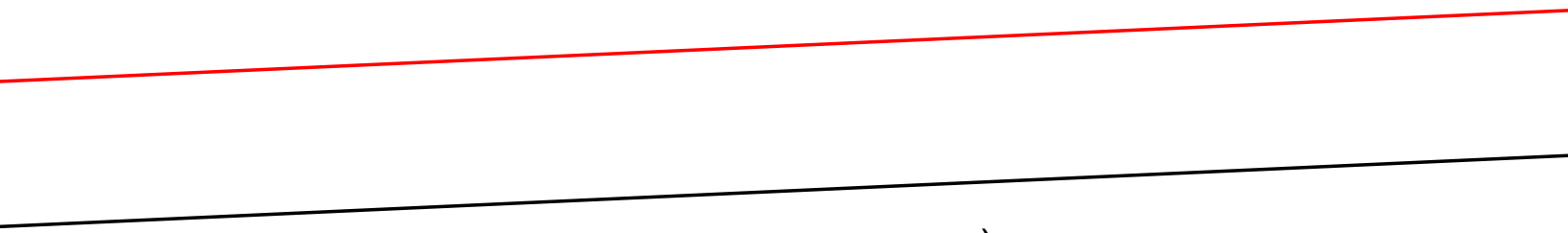
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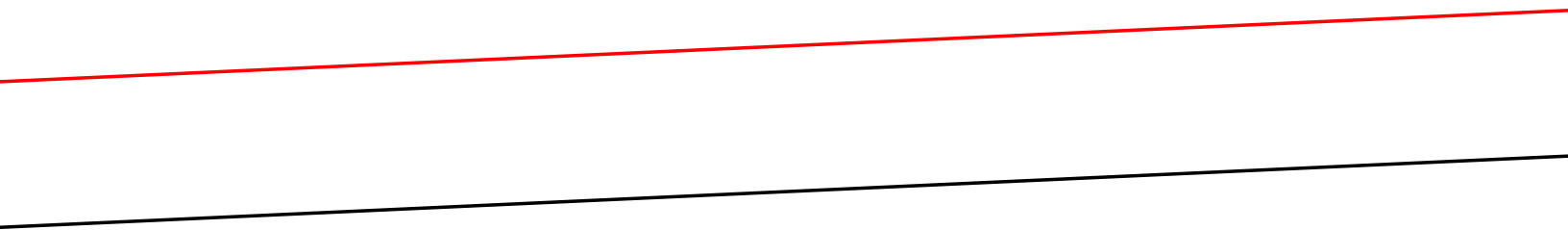


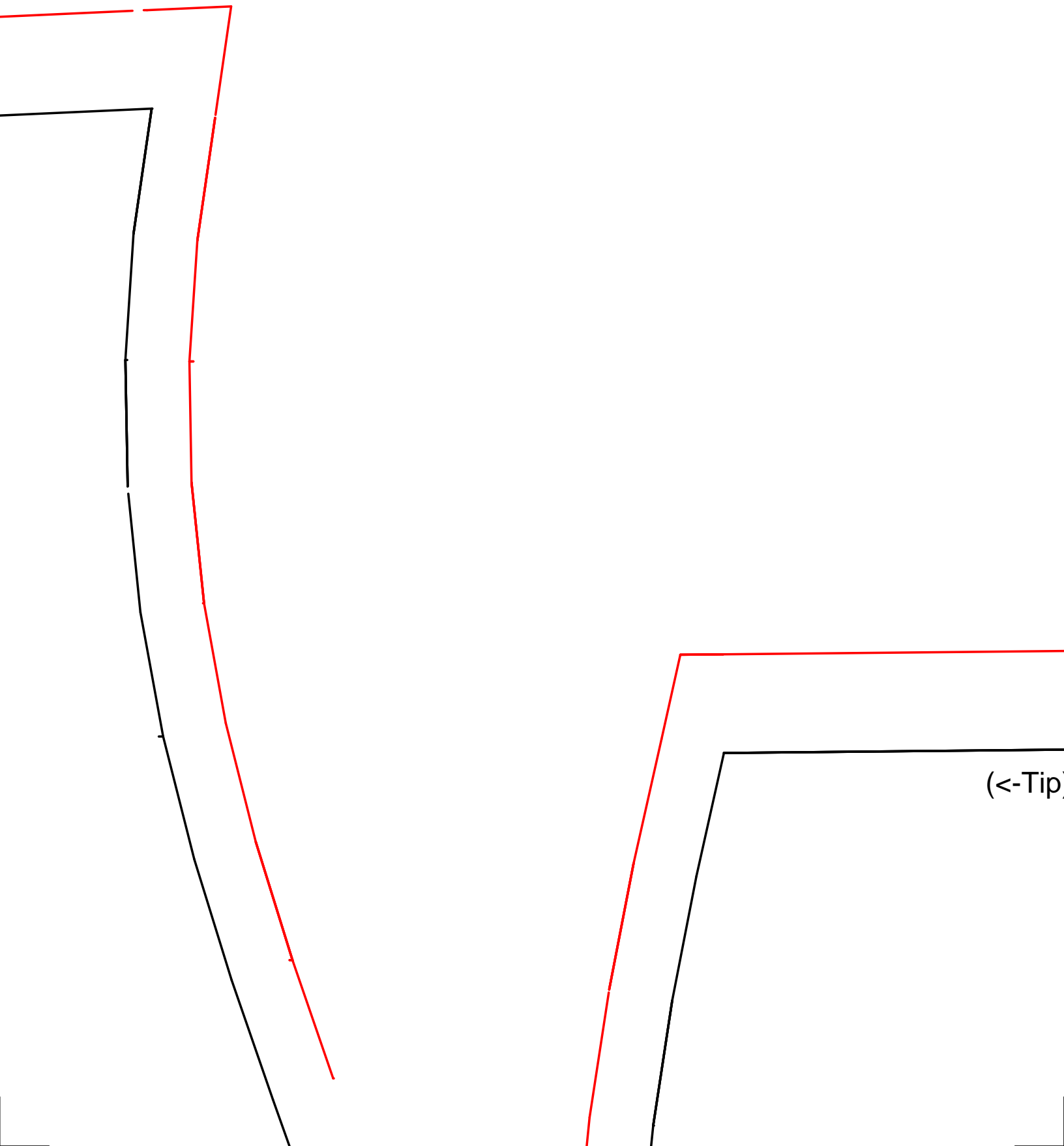


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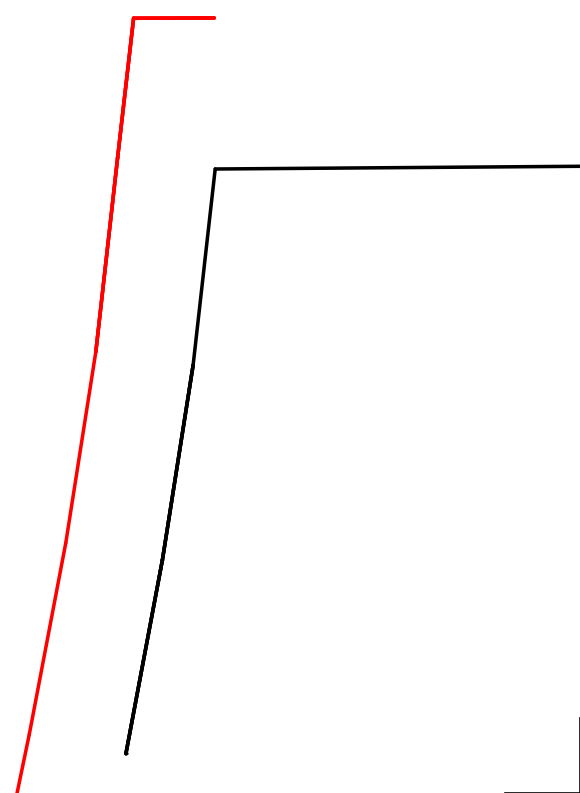
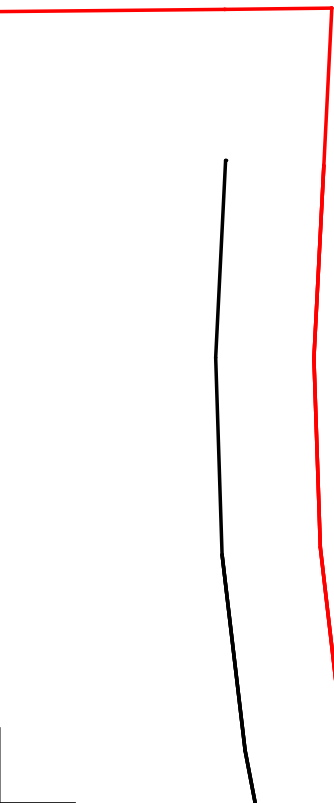
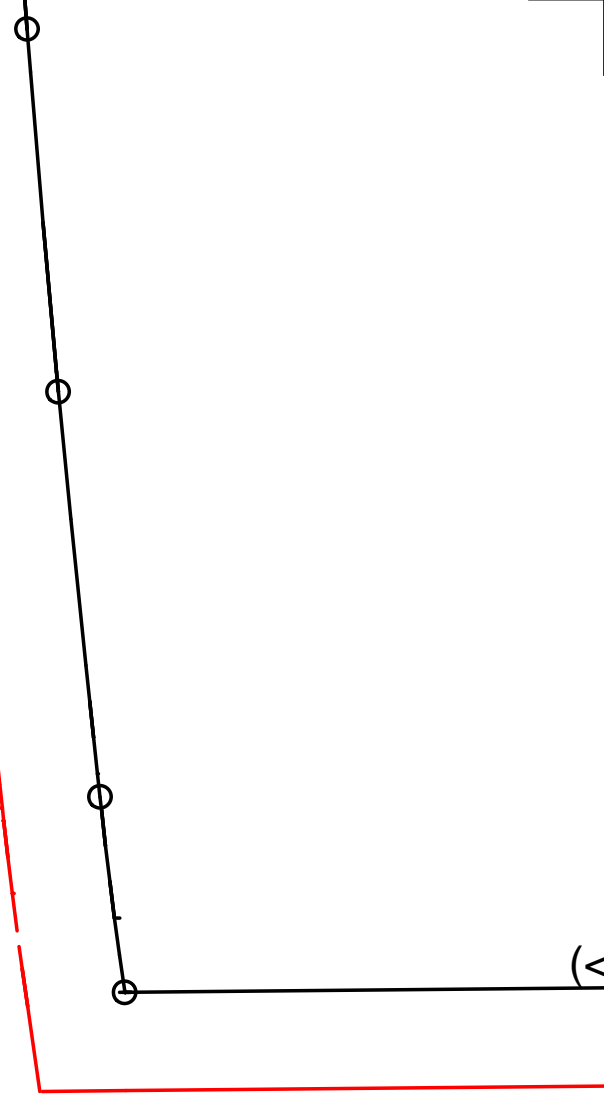
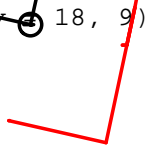
←-Tip) LE tube, Panel 5 (x2) - behind seam (Centre->)





(<-Tip)

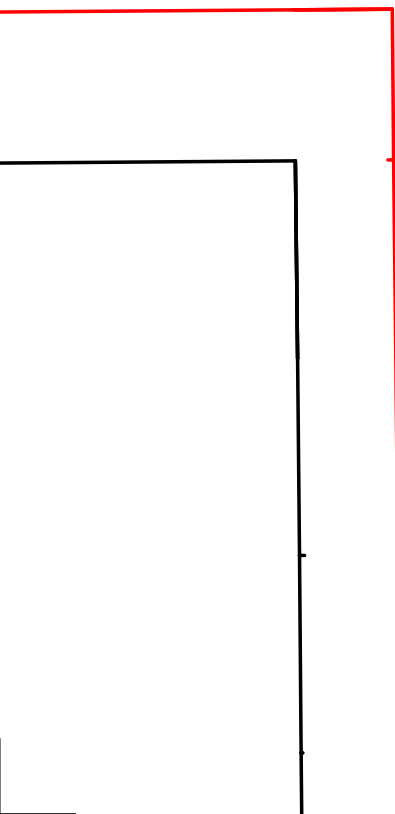
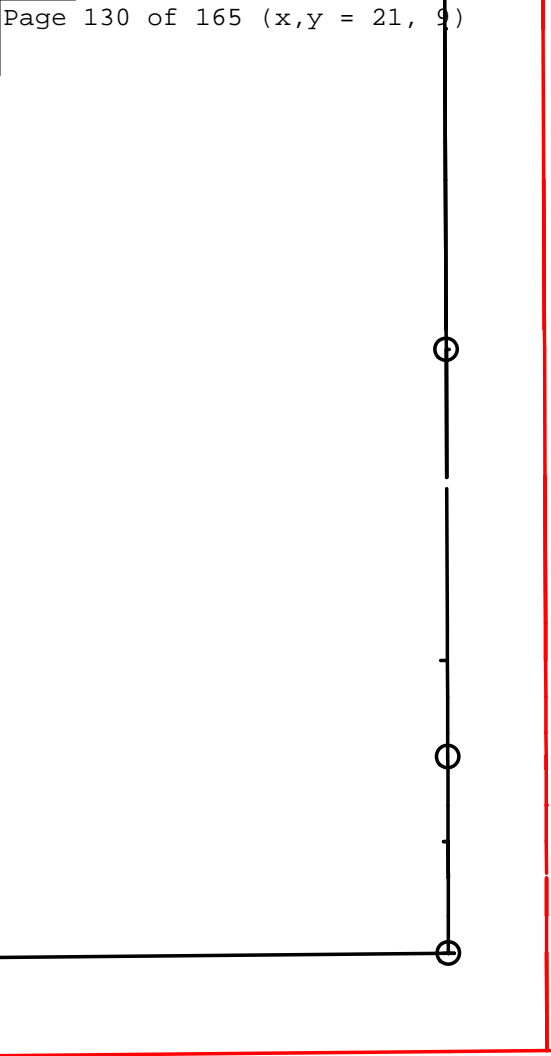
) LE tube, Panel 6 (x2) - behind seam (Centre->)

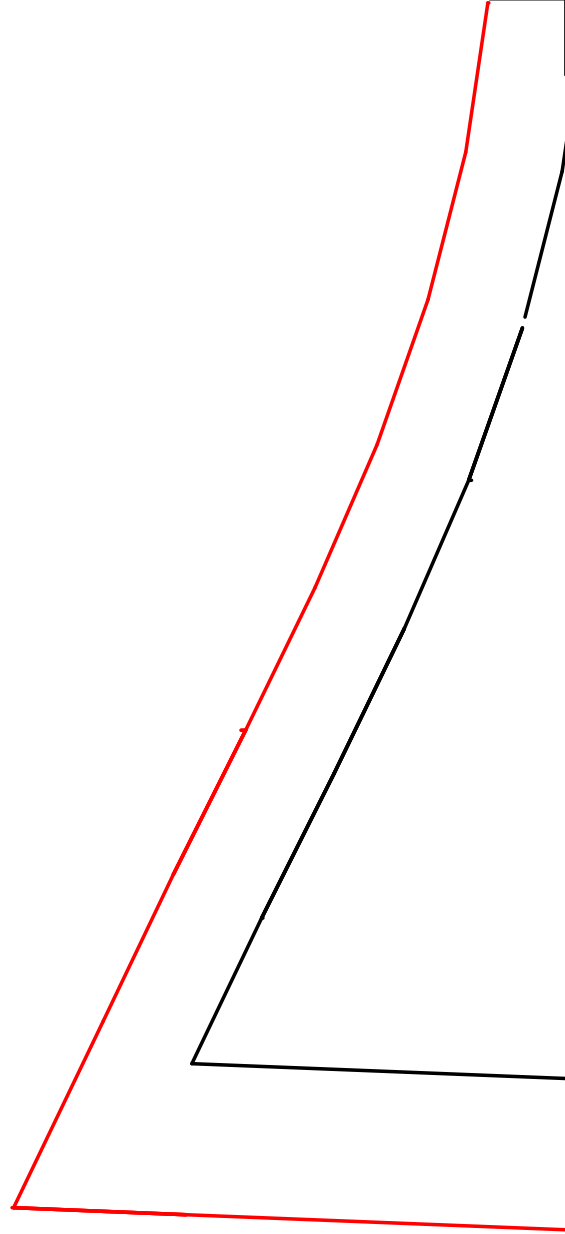


(<--Tip) Upper skin, Panel 7 (x2) - LE (Centre-->)

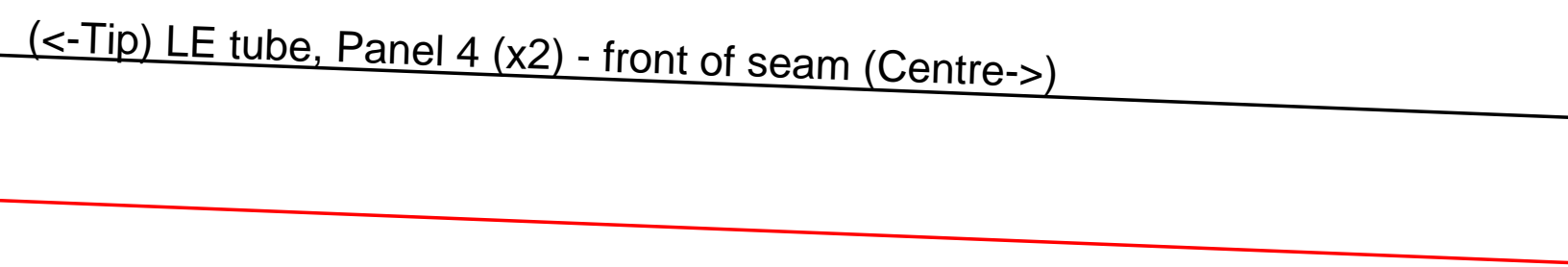
The diagram consists of two horizontal lines. The top line is black and the bottom line is red. They are parallel and span the width of the page. The text is positioned above the black line.

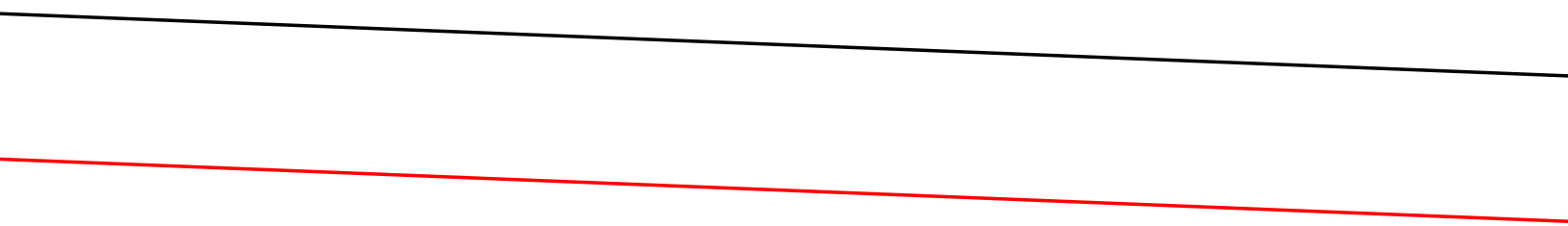
(<-Tip) LE tube, Panel 7 (x2) - behind seam (Centre->)

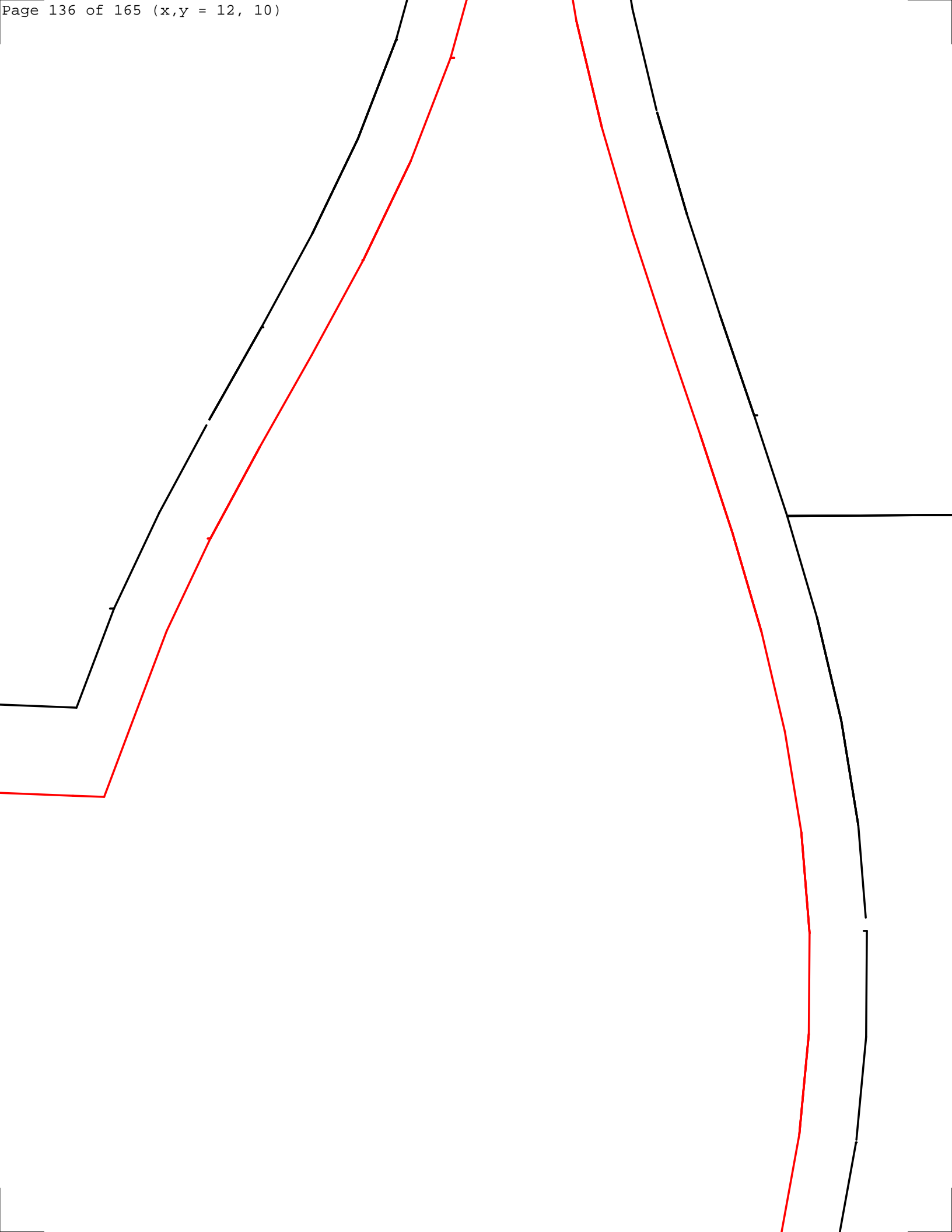


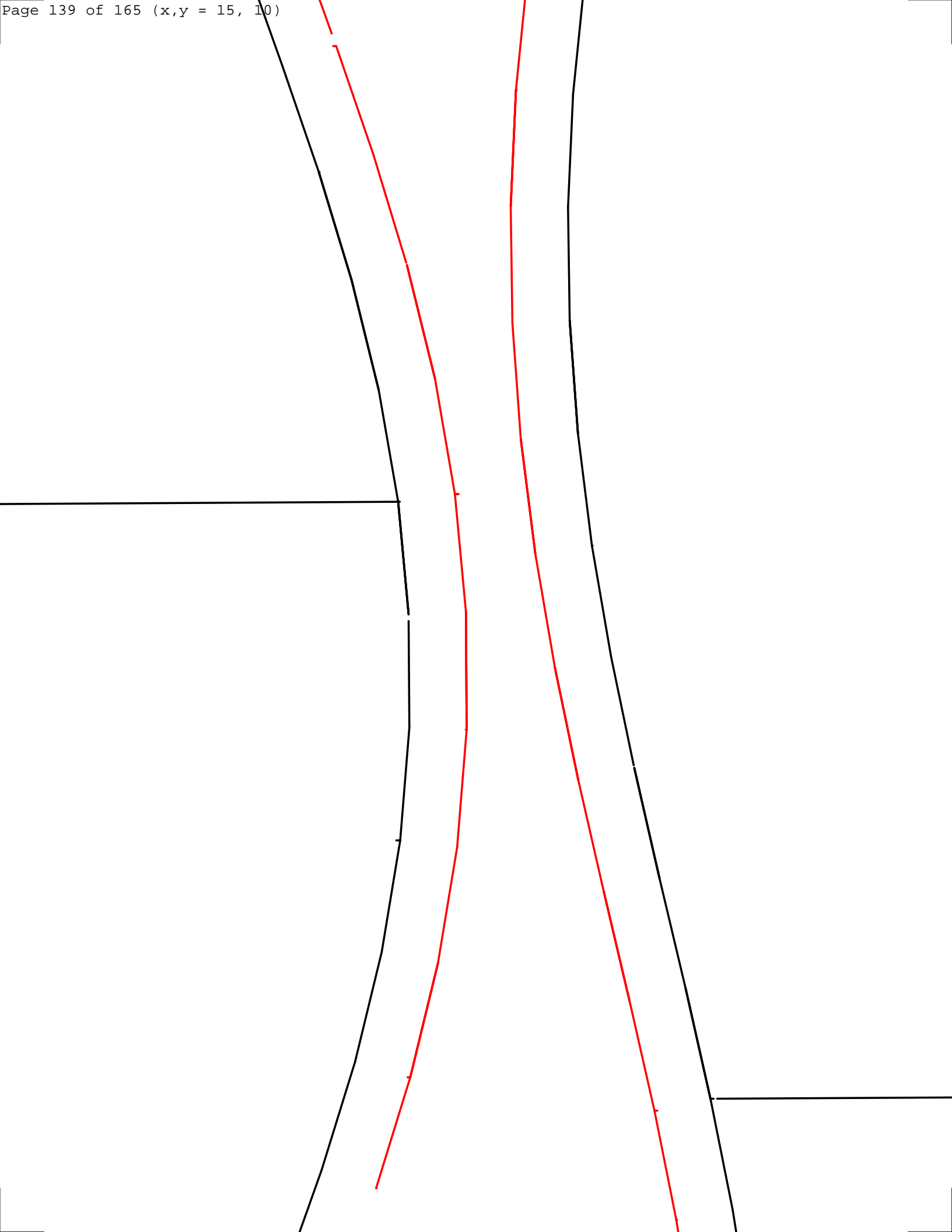


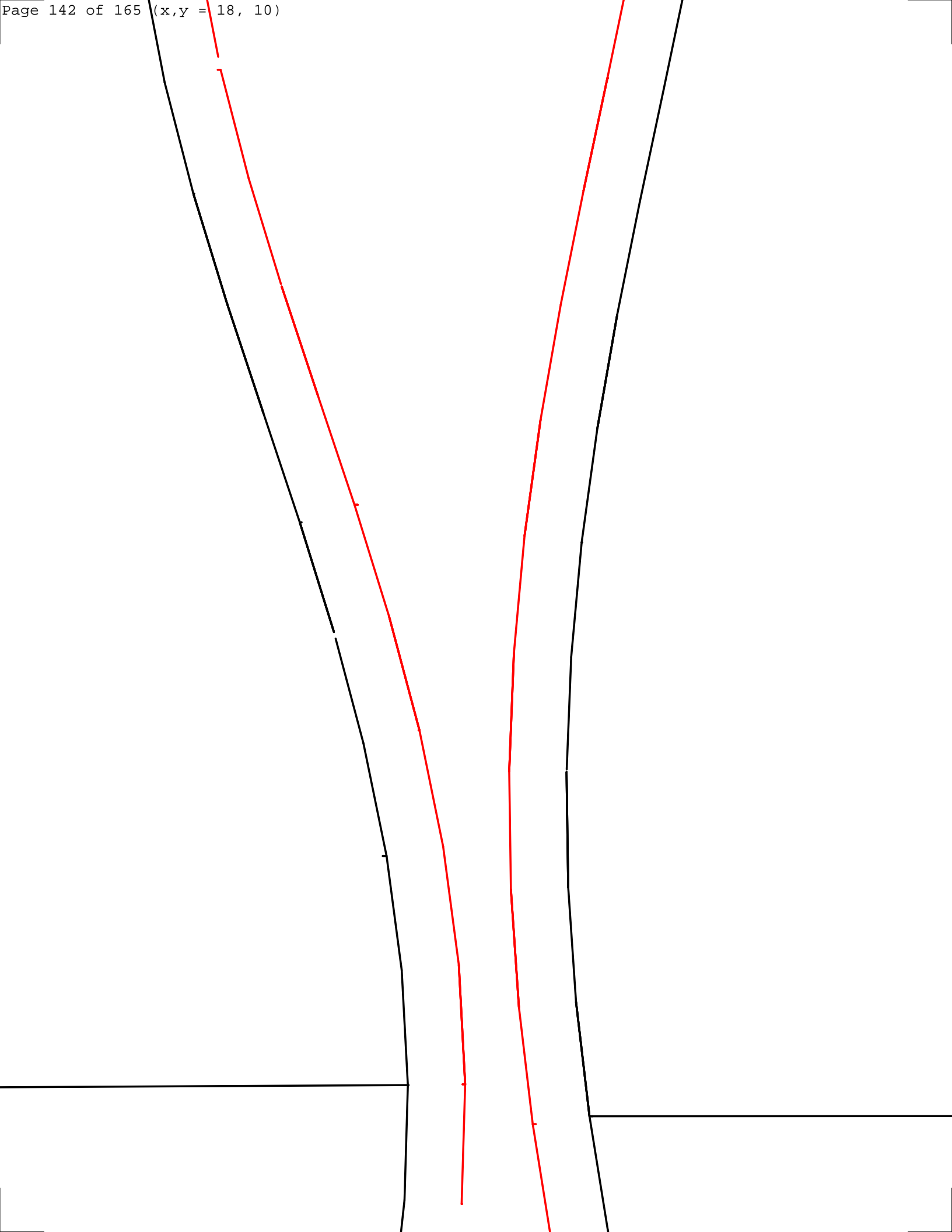
(<-Tip) LE tube, Panel 4 (x2) - front of seam (Centre->)

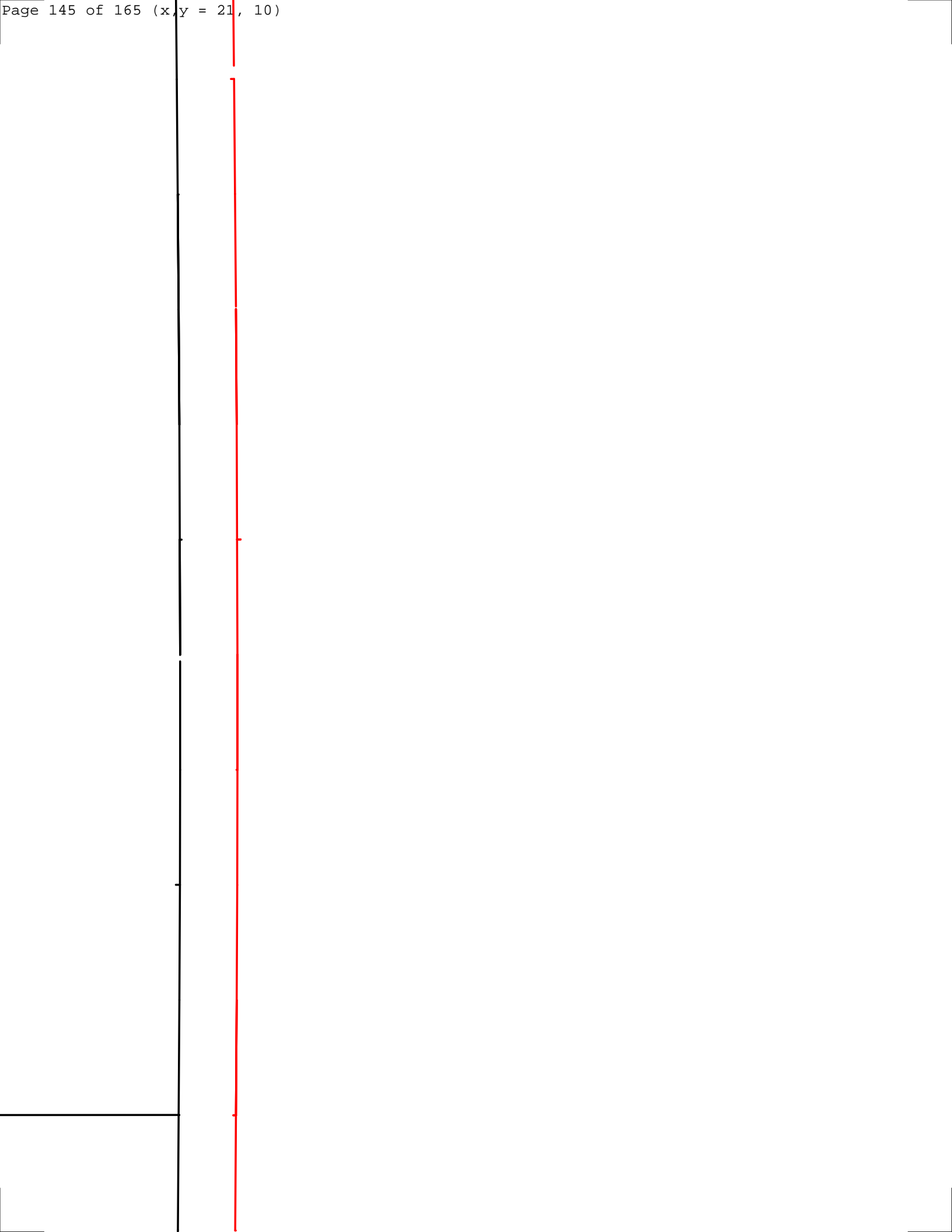








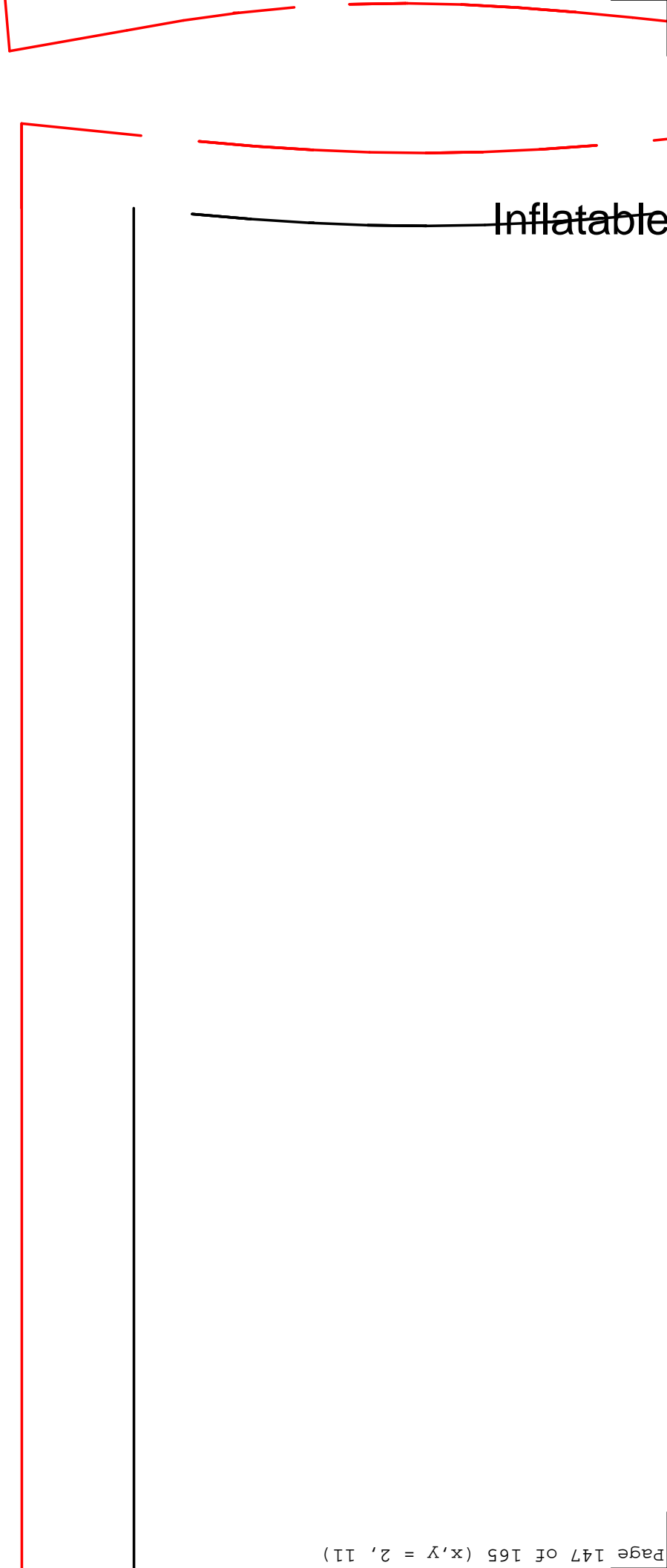


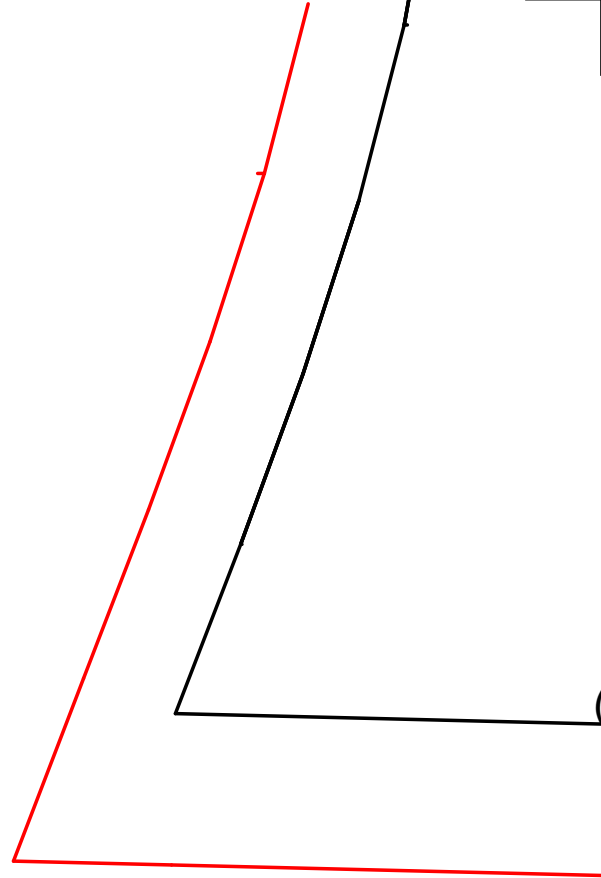


rib 1, piece 3 of 3 LE

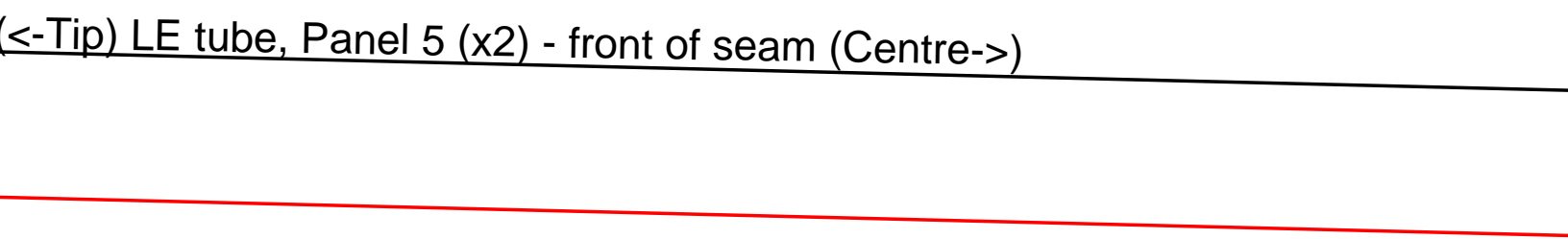


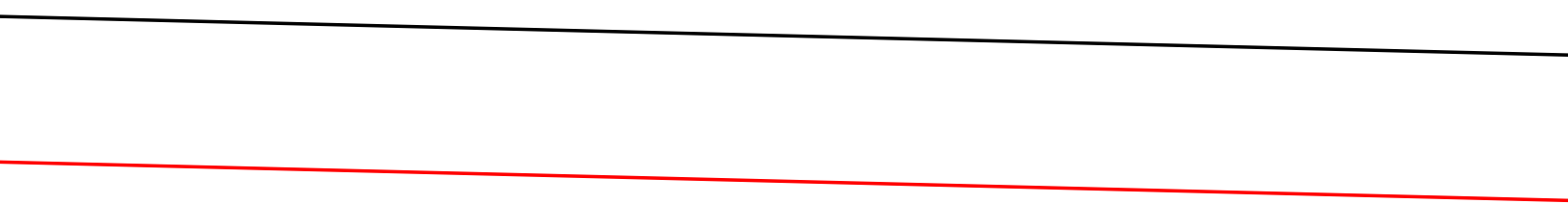
Inflatable

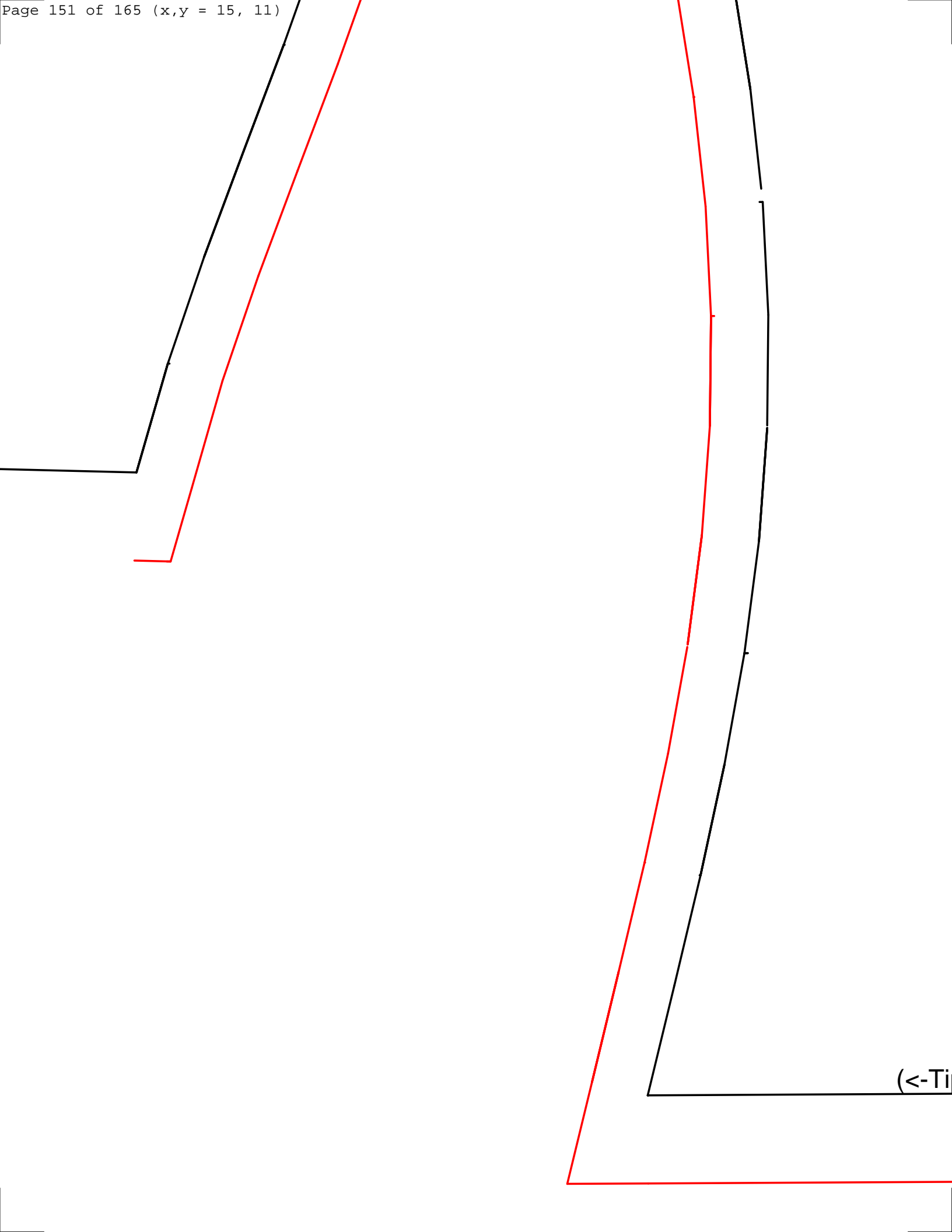




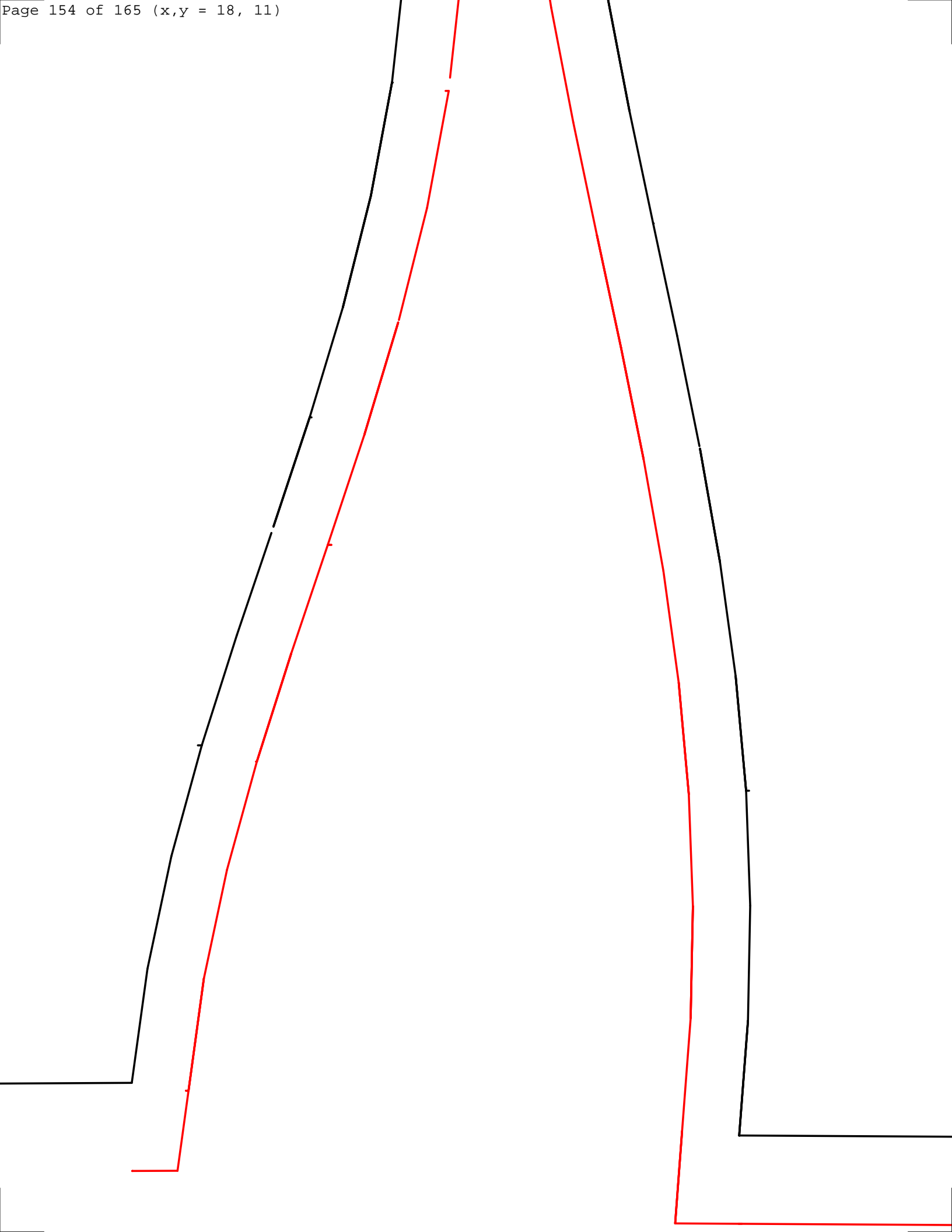
(<-Tip) LE tube, Panel 5 (x2) - front of seam (Centre->)







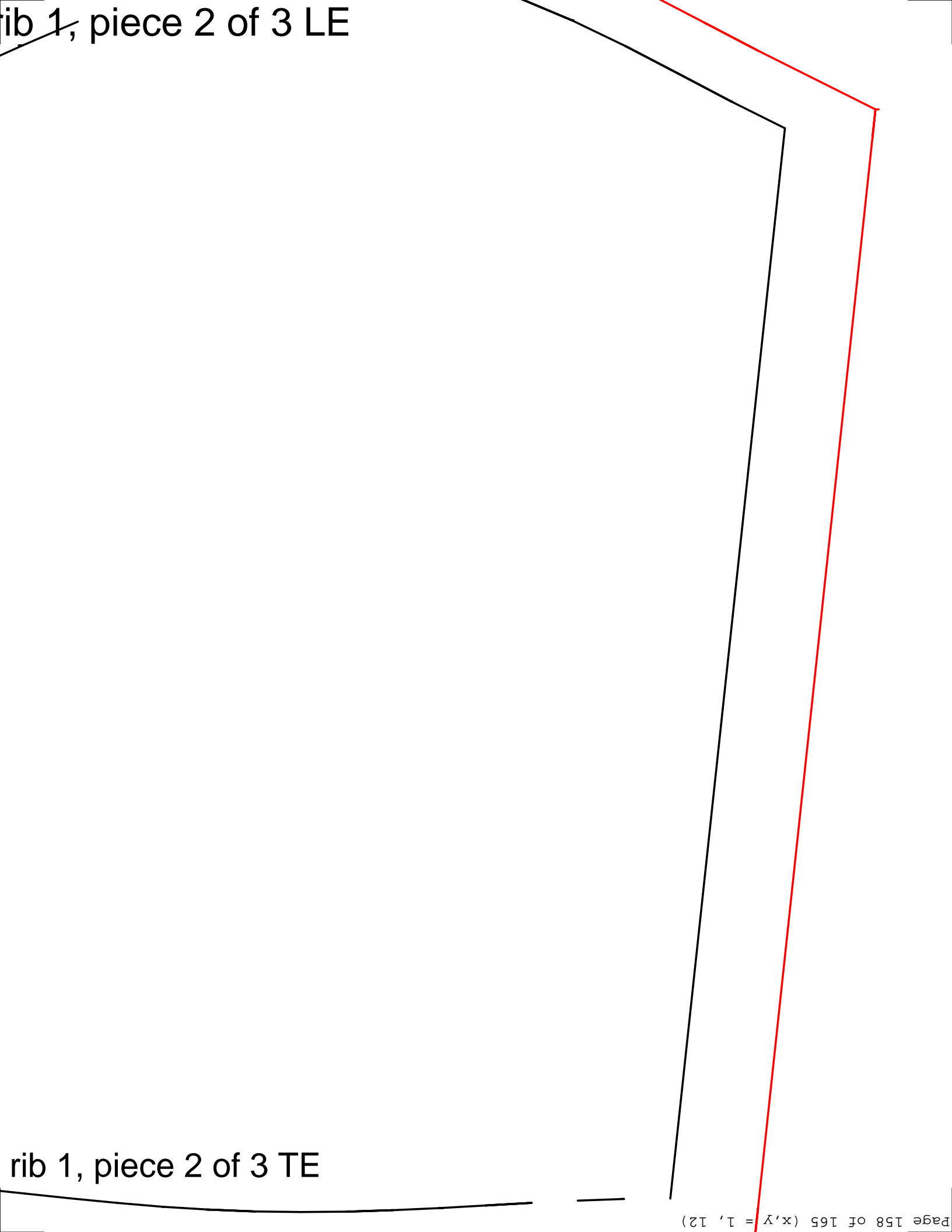
p) LE tube, Panel 6 (x2) - front of seam (Centre->)

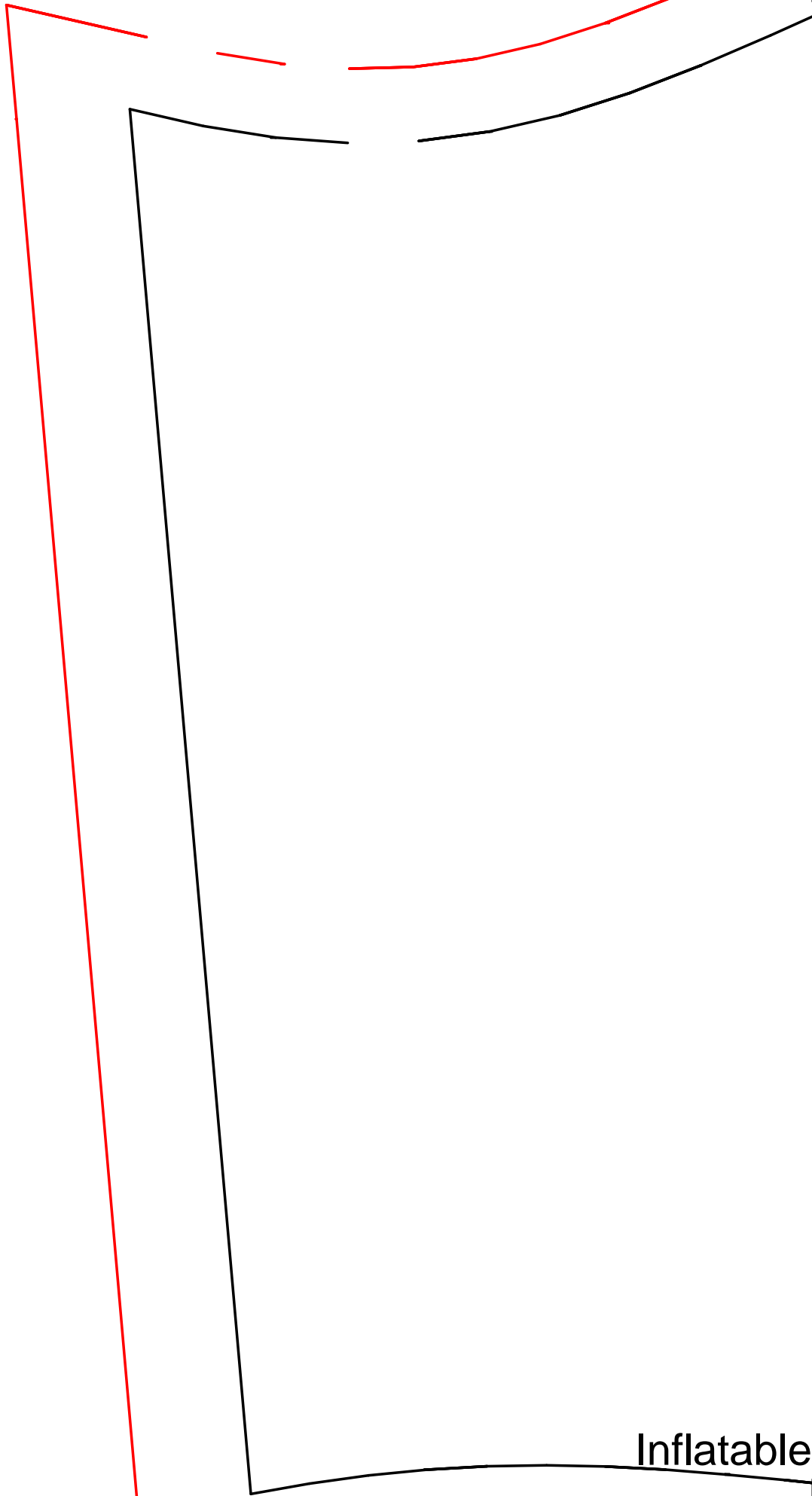


(<-Tip) LE tube, Panel 7 (x2) - front of seam (Centre->)

rib 1, piece 2 of 3 LE

rib 1, piece 2 of 3 TE

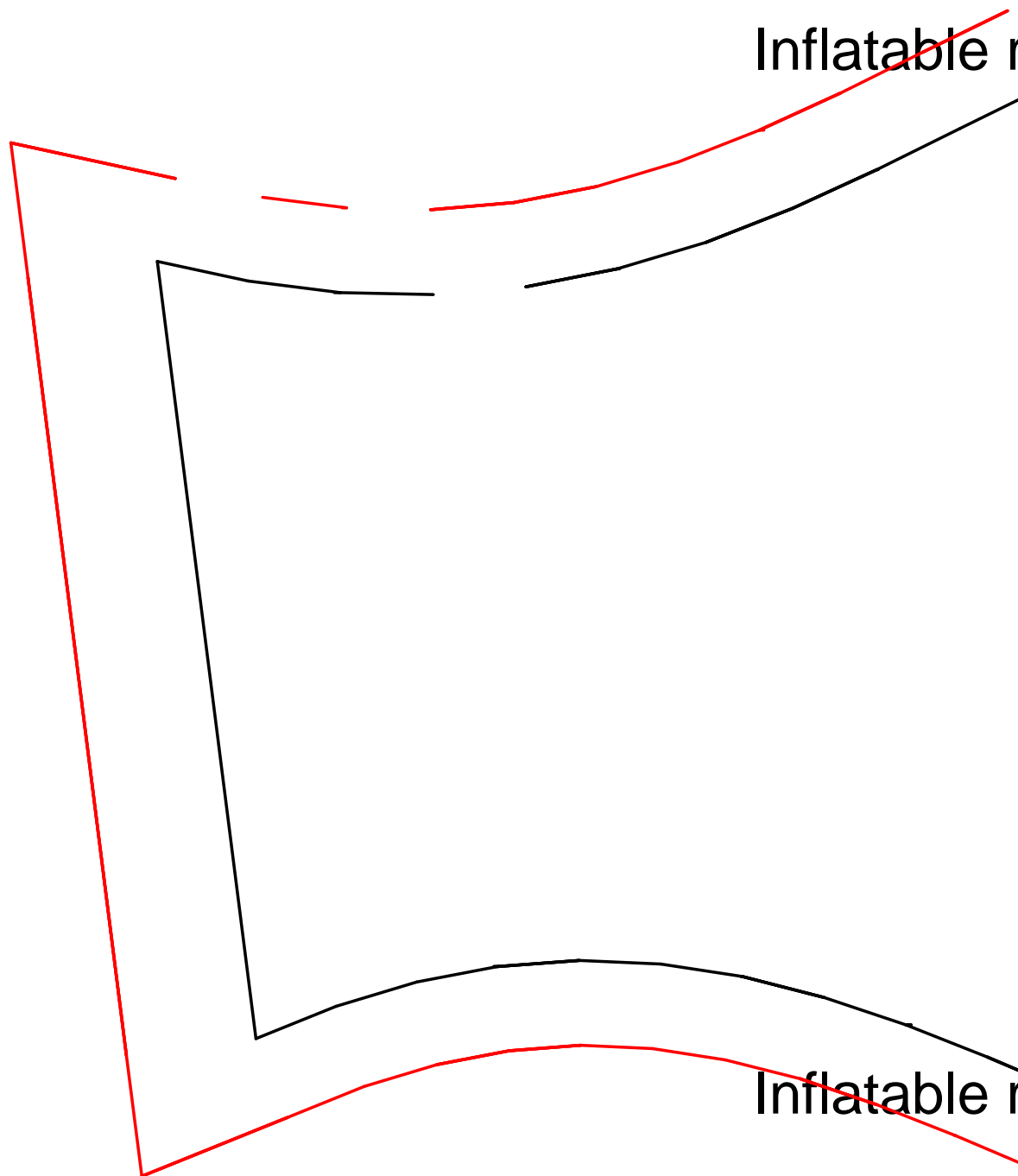




rib 1, piece 1 of 3 LE

rib 1, piece 1 of 3 TE

Inflatable m



Inflatable m