

Traditional wire-strung harp

Original design by John Egan, D

These drawings by Simon Chadwick, 2018
This full-sized drawing, and a commentary booklet with a 3D model and stringchart, are available to download at
<https://simonchadwick.net/egan-wire-strung>

PRINCIPAL FUNDER



CREDITS: Thanks to the National Museum of Ireland for the harp in the Museum, and to Sarah Nolan and Sarah McCann of 3D Printing Ireland for scanning the harp, and for helping with measurements and photography.

This project was funded by the National Lottery of Northern Ireland.

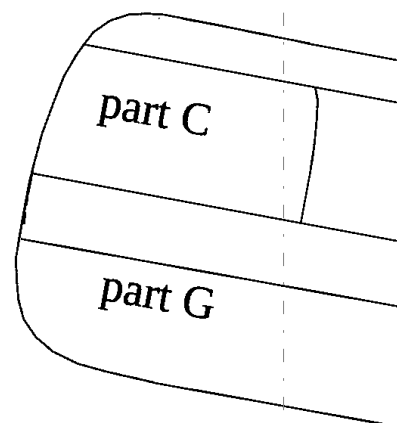
Wire-strung Irish harp plan, Dublin, early 1820s

© 2024 

Booklet with photographs, measurements
to download for free from
www.nmih.gov.ie/wire-strung-irish-harp-plans

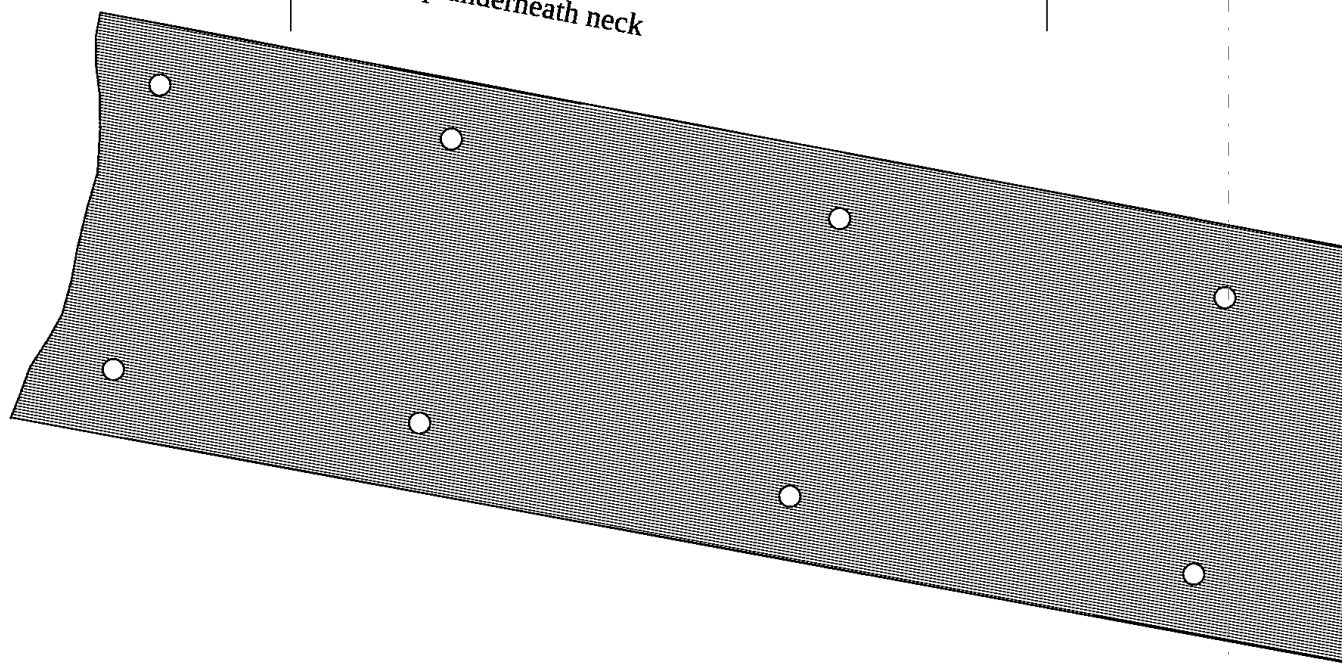
Thanks to the National Museum of Ireland for giving access to the
plan. Thanks to Sarah Nolan for facilitating our visit. Thanks to Paul
O'Connell for scanning the original. Thanks to Brenda Malloy
for her assistance and photography.

Funded by the National Lottery through the Arts Council of



Join between
pillar and
neck

Iron strip underneath neck



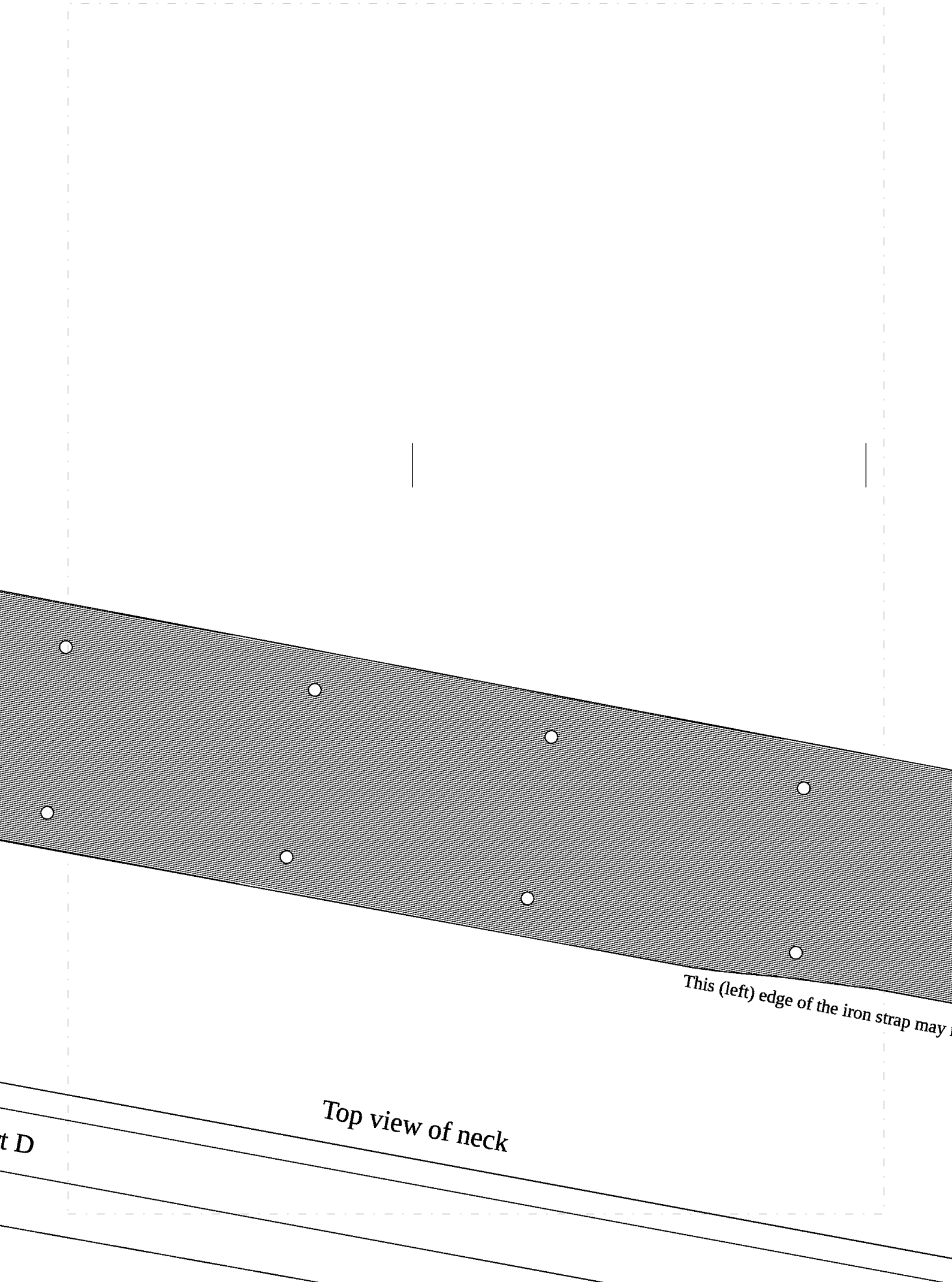
C

Top of forepillar

G

part D

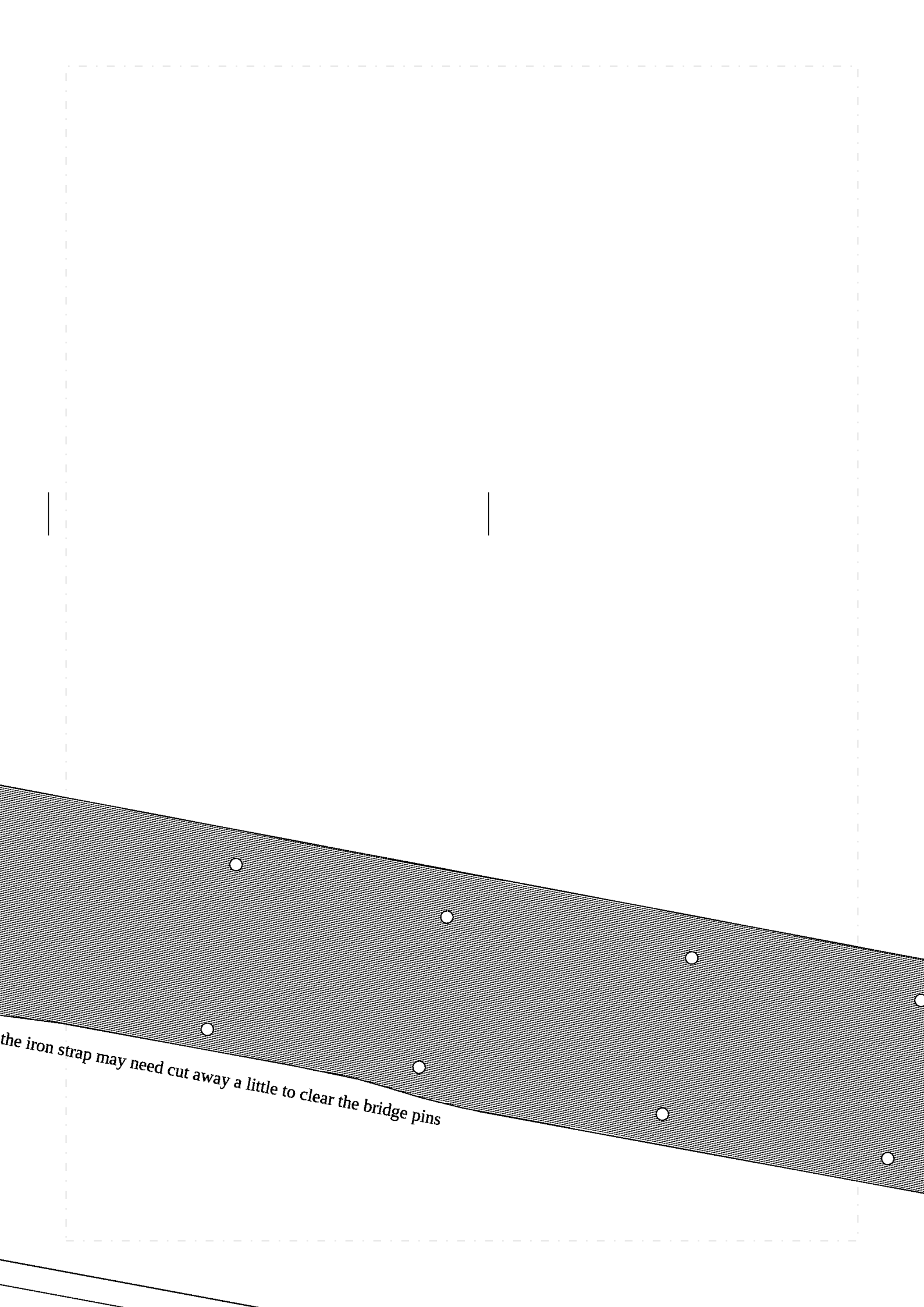
Join between
pillar and
neck



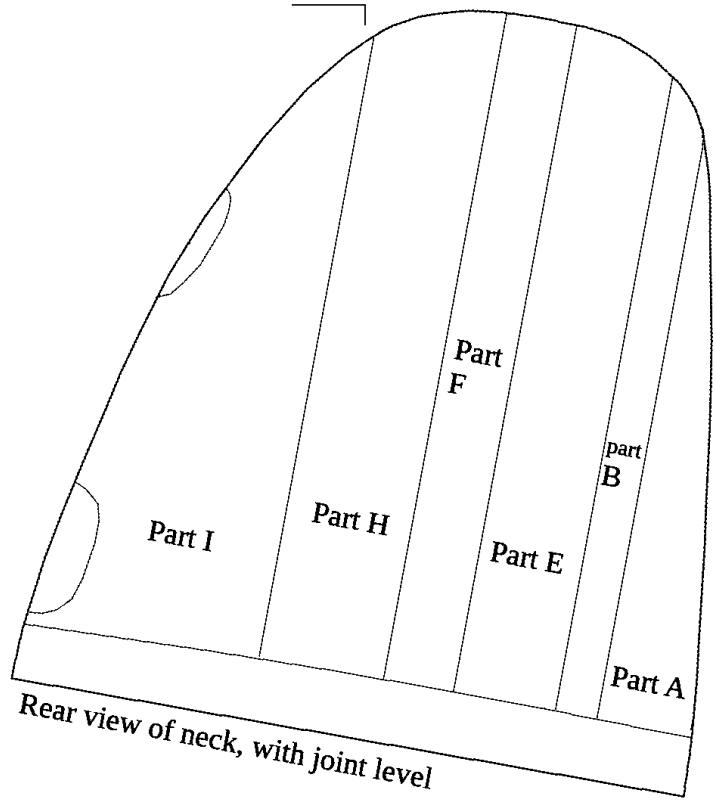
This (left) edge of the iron strap may

Top view of neck

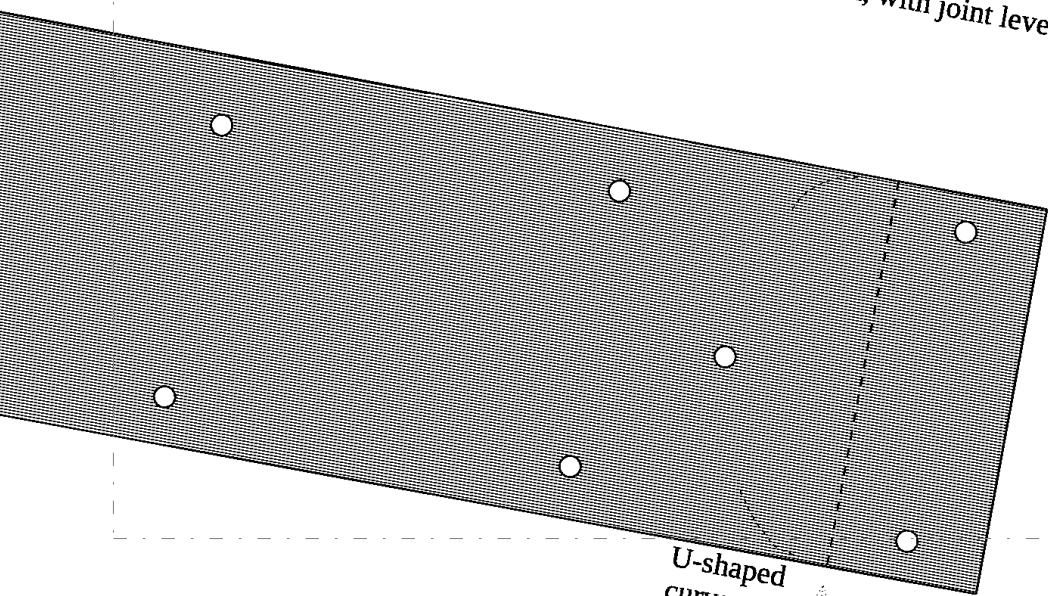
at D



the iron strap may need cut away a little to clear the bridge pins



Rear view of neck, with joint level



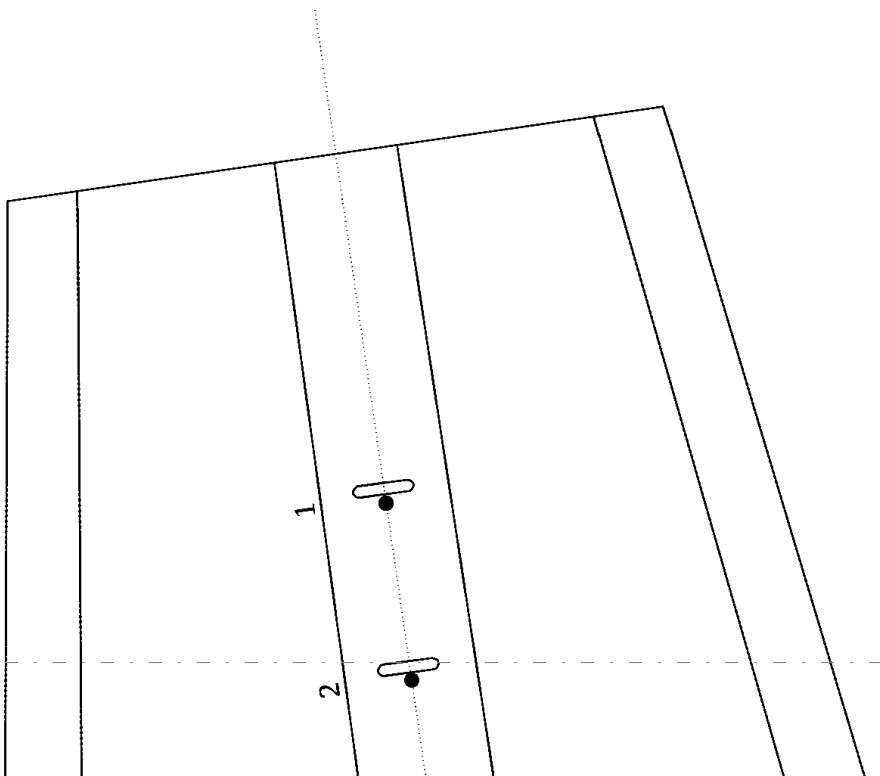
The end of the iron strap goes under the joint surface of the neck

U-shaped curve begins

—

—

—



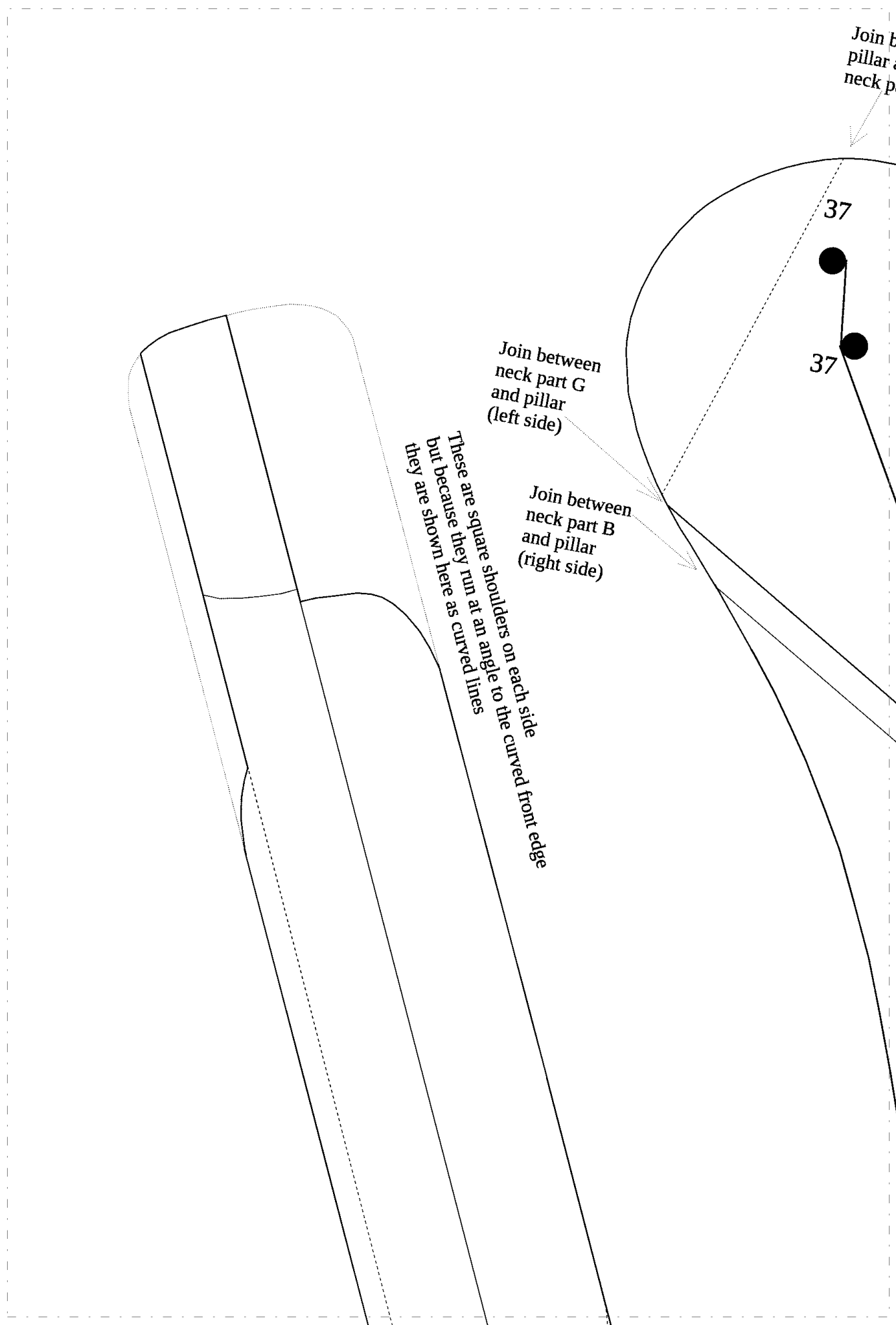
Join between
pillar and
neck part C

37 36

Join between
neck part G
and pillar
(left side)

Join between
neck part B
and pillar
(right side)

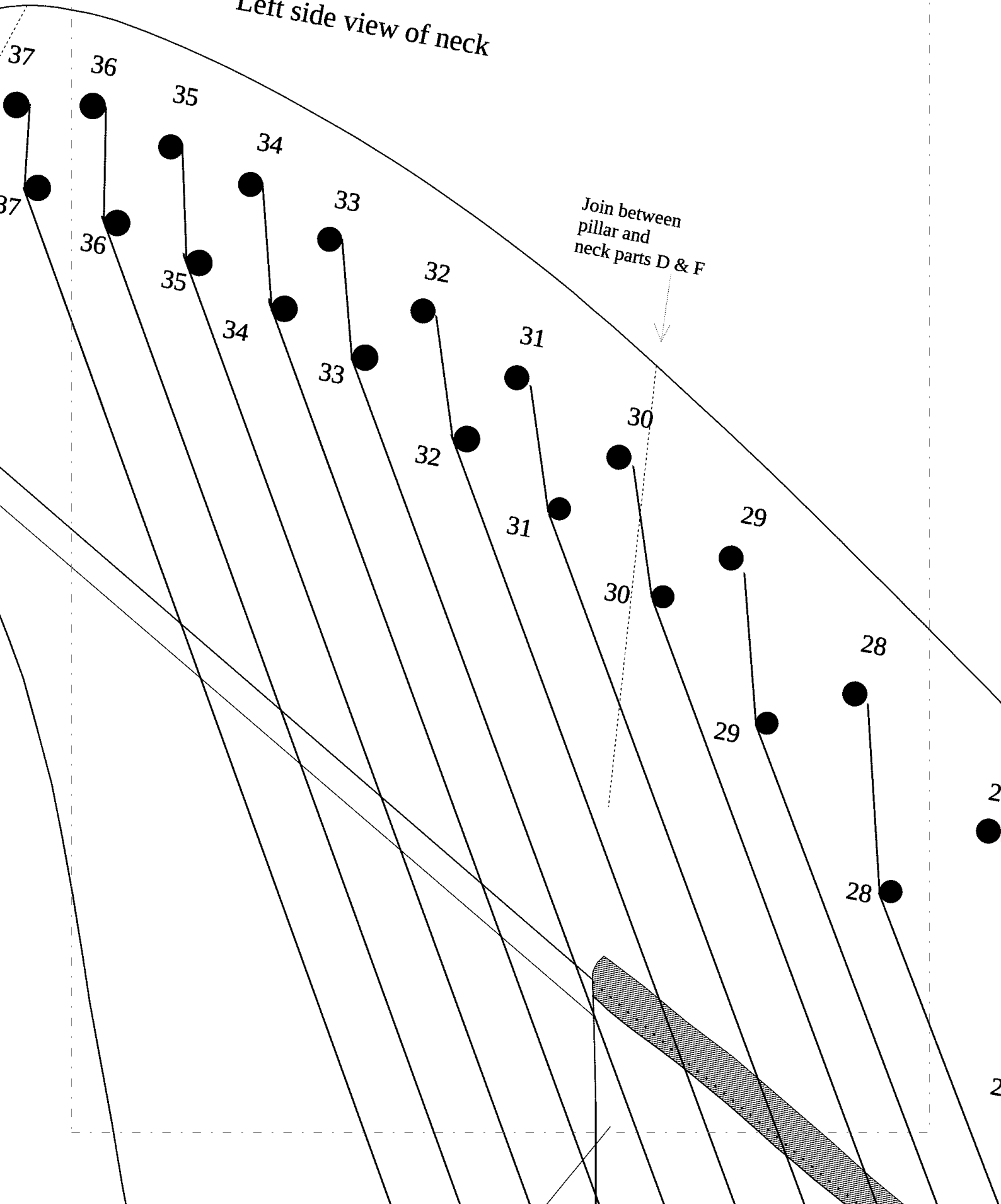
These are square shoulders on each side
but because they run at an angle to the curved front edge
they are shown here as curved lines

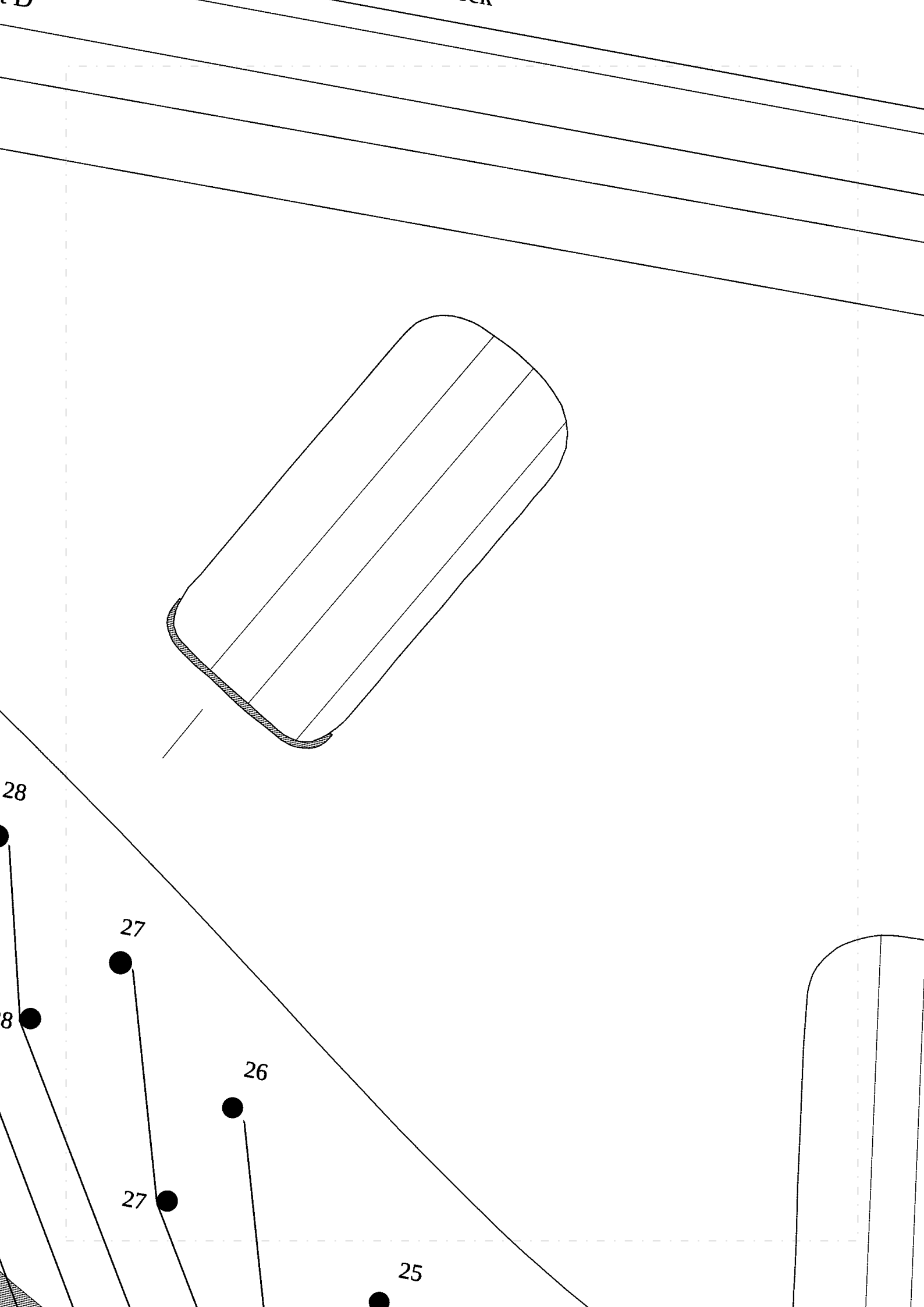


Join between
pillar and
neck part C

Left side view of neck

Join between
pillar and
neck parts D & F





28

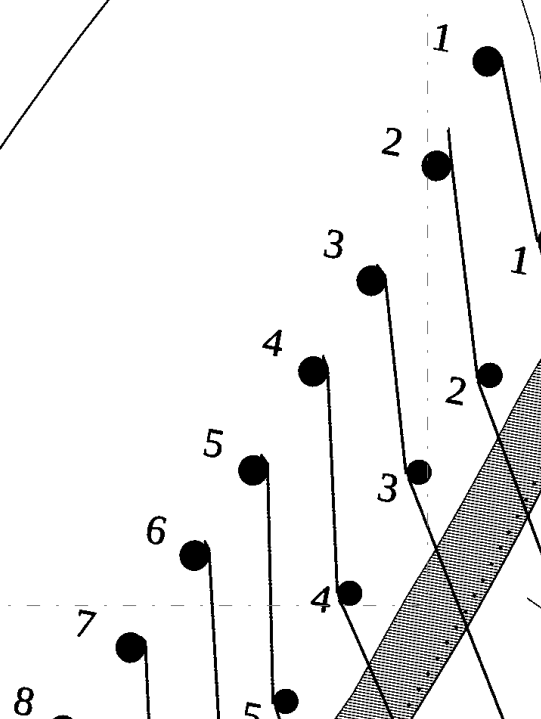
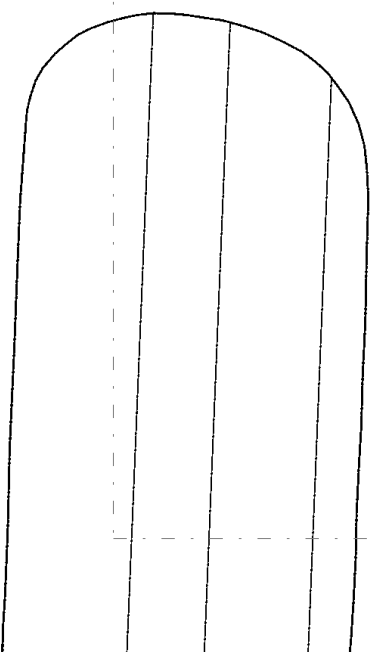
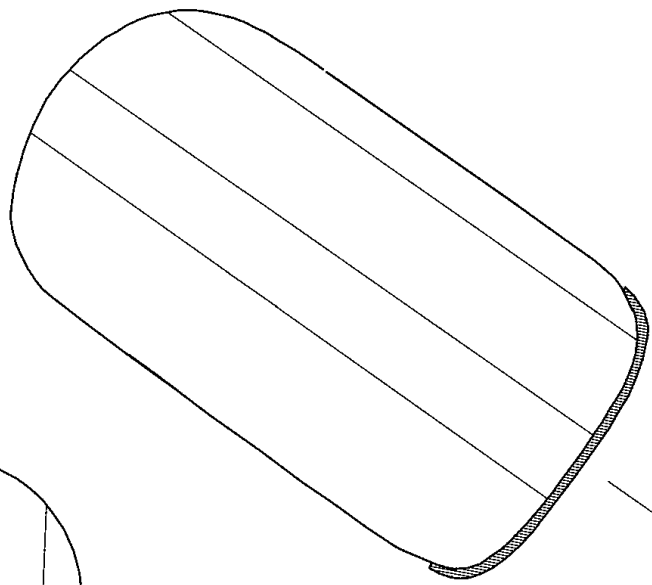
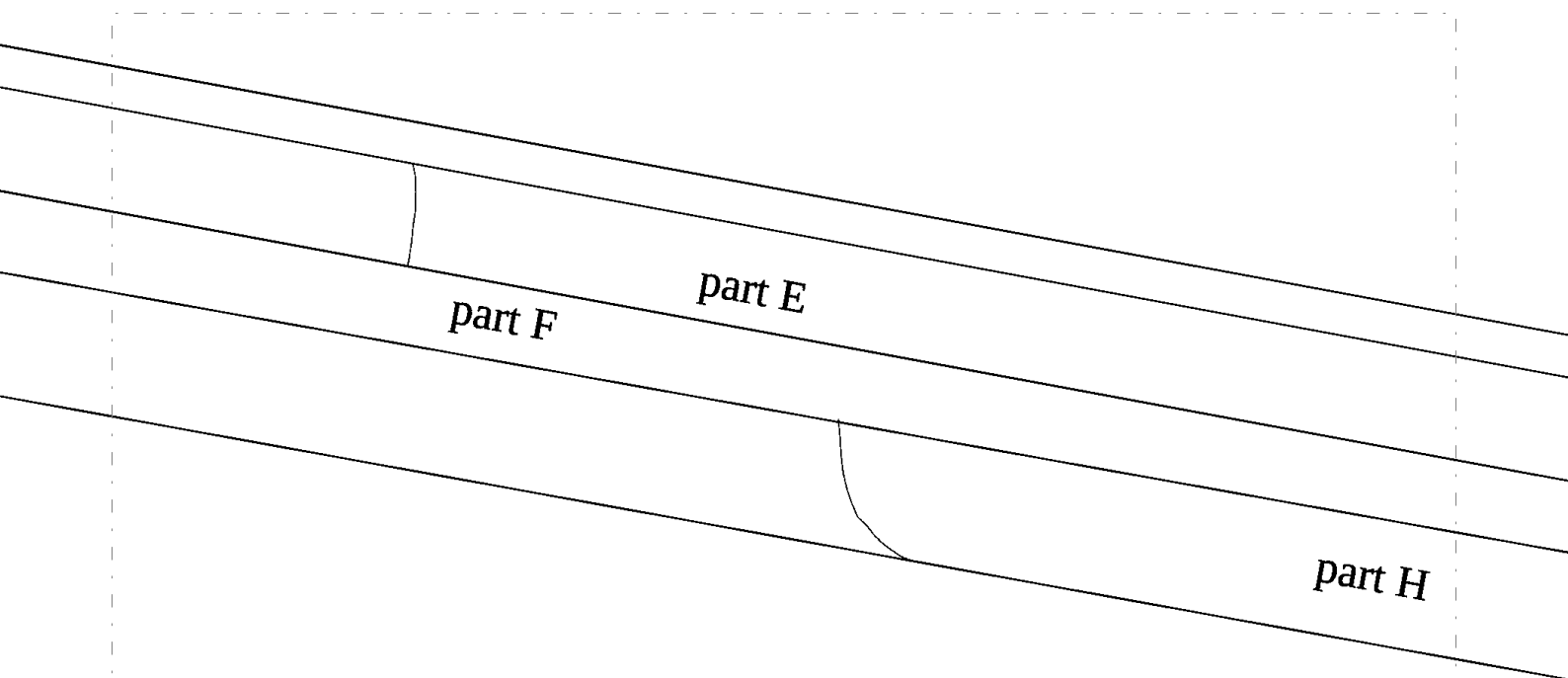
27

27

26

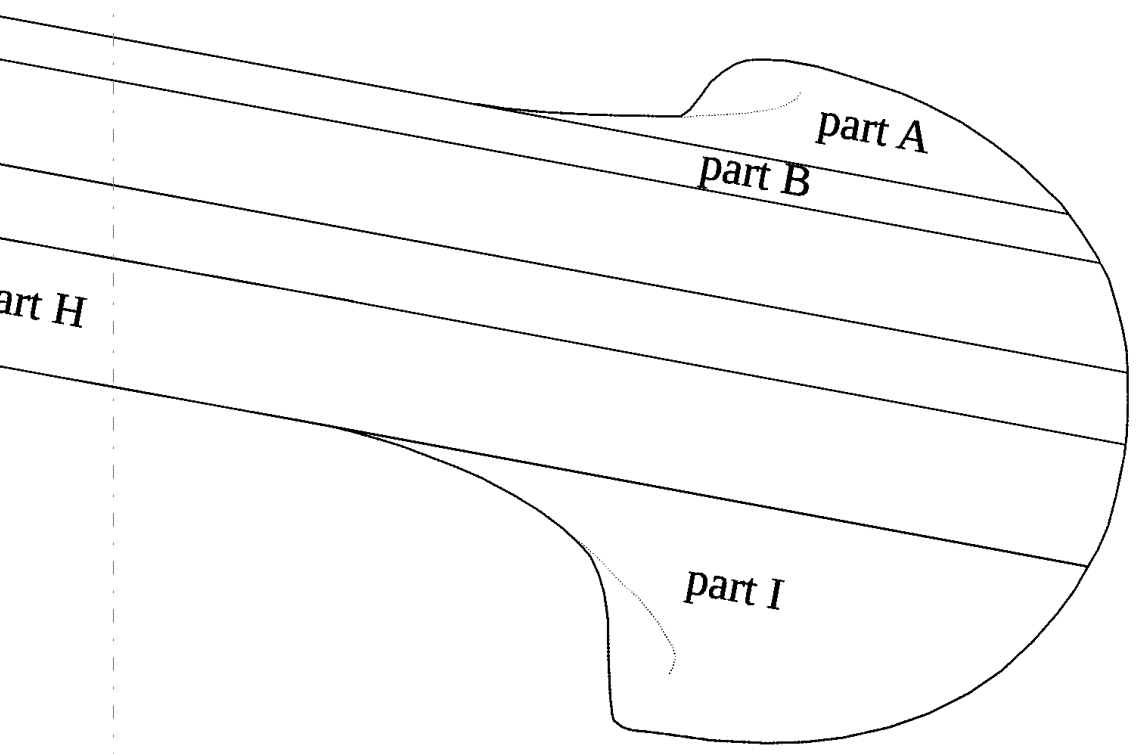
27

25

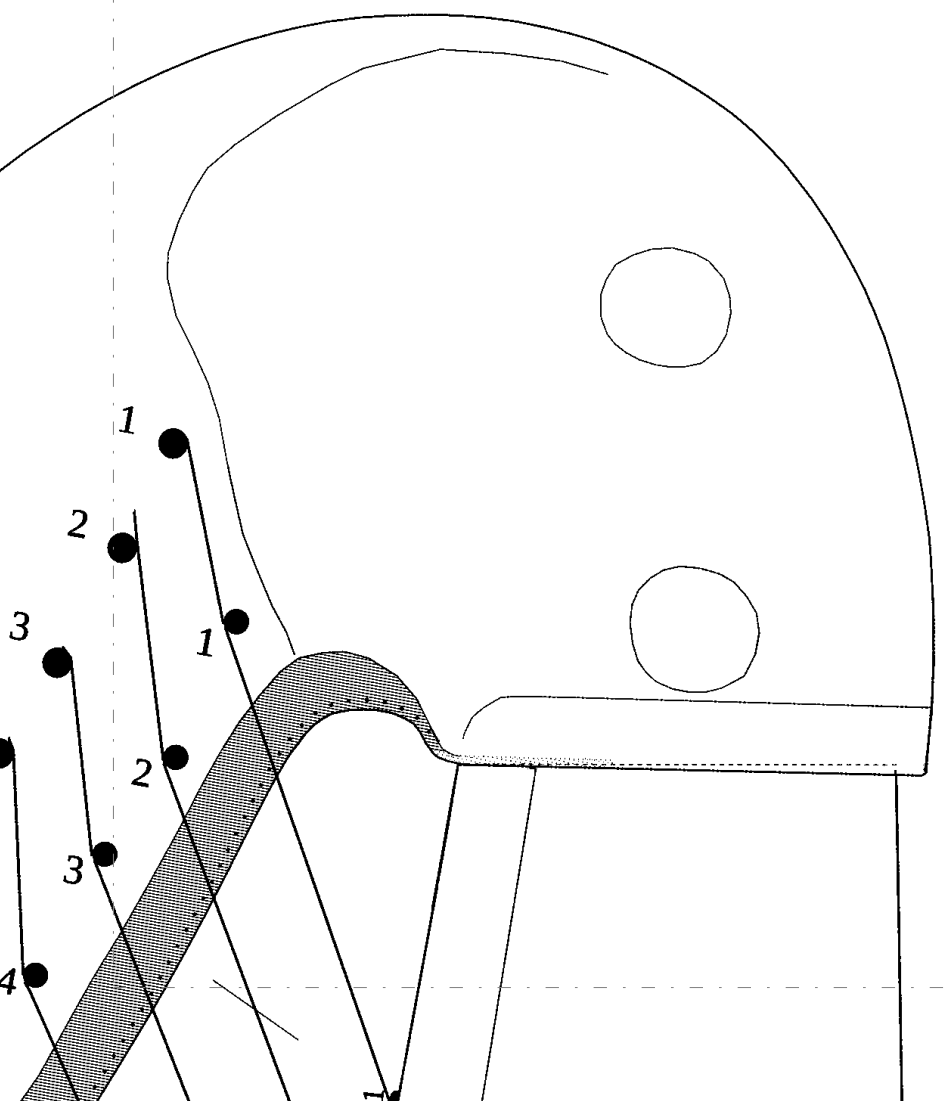


the neck

U-shaped
curve
begins
90° fold



part H



|

|

|

2

3

4

5

6

7

8

9

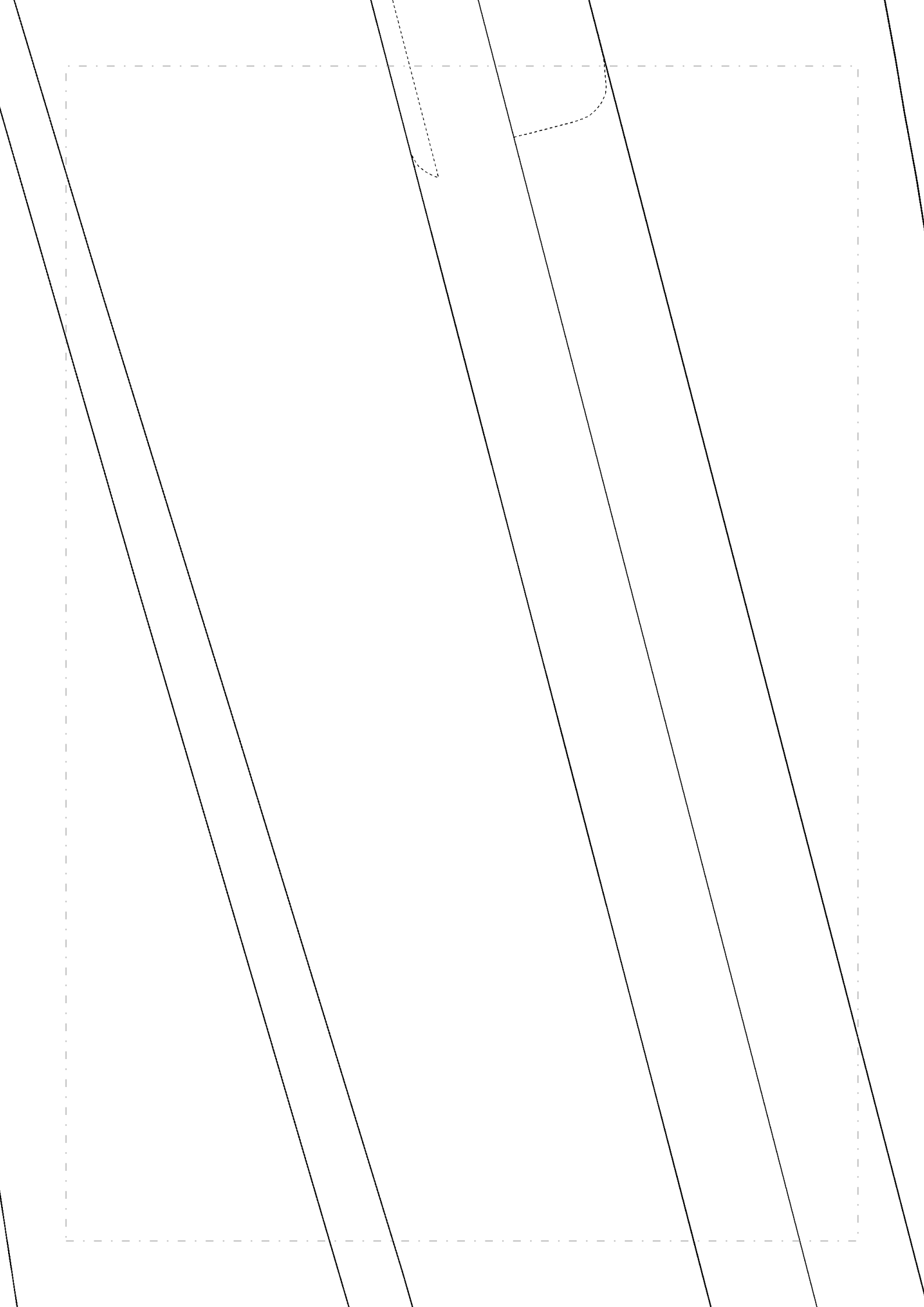
10

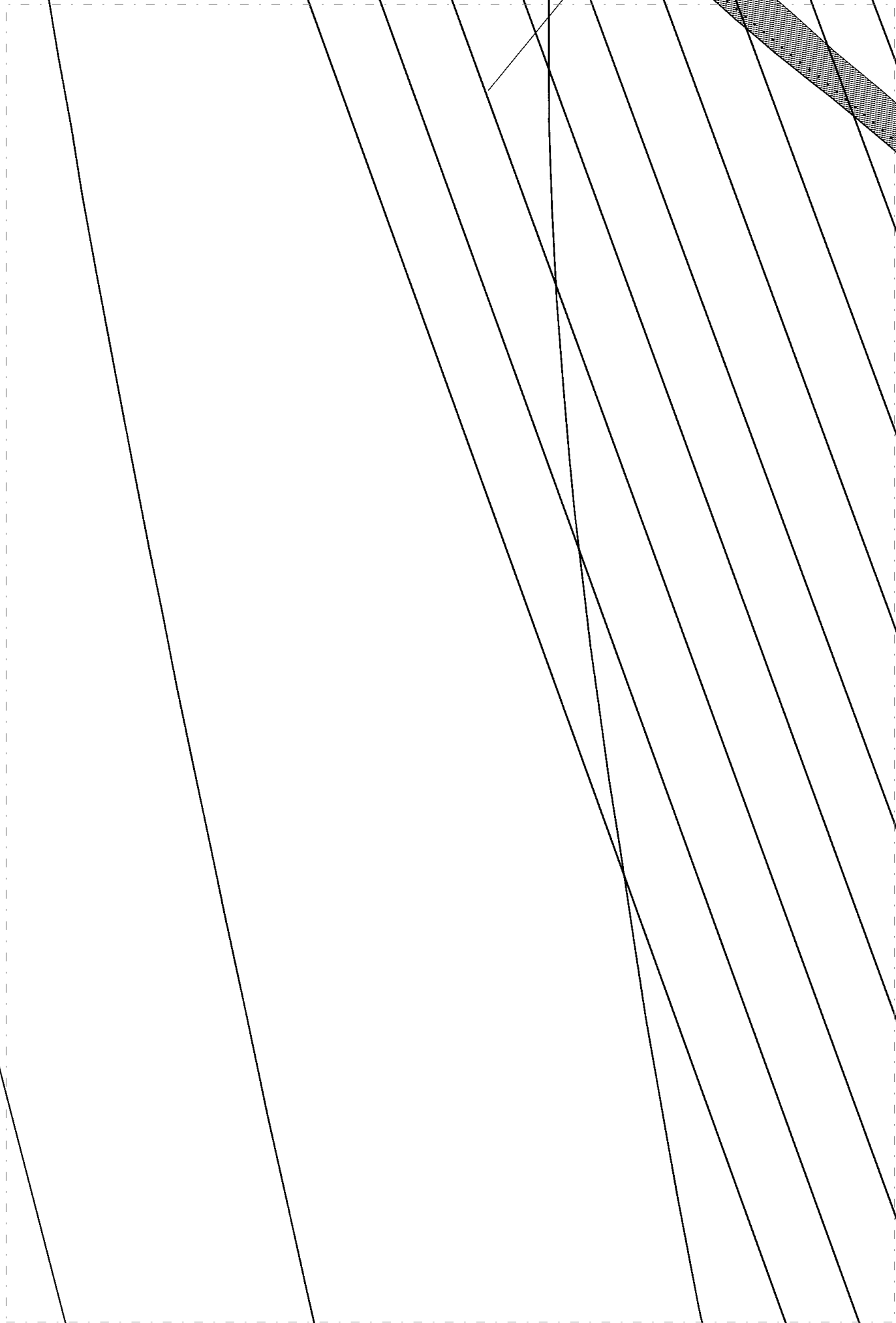
11

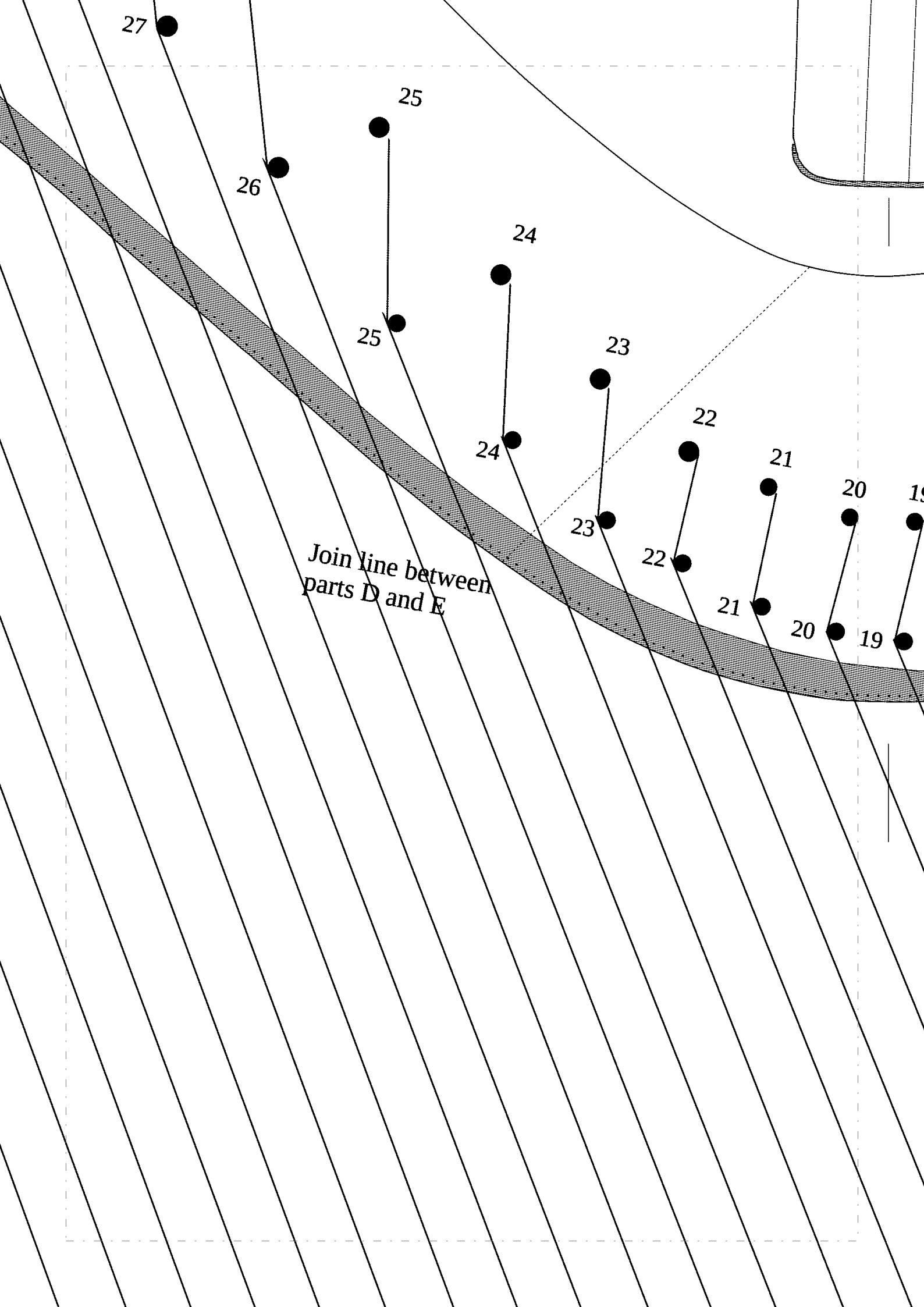
12

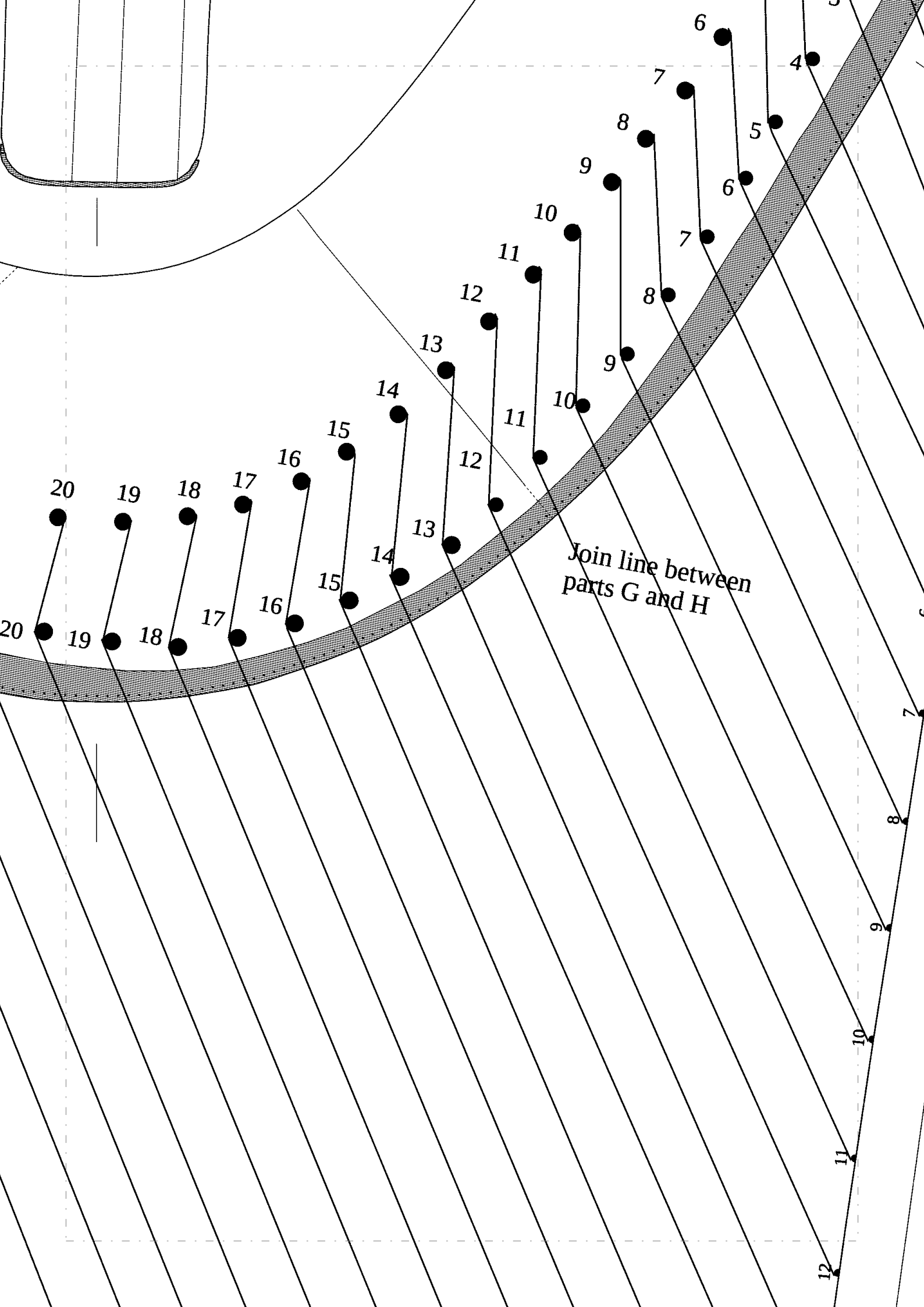
13



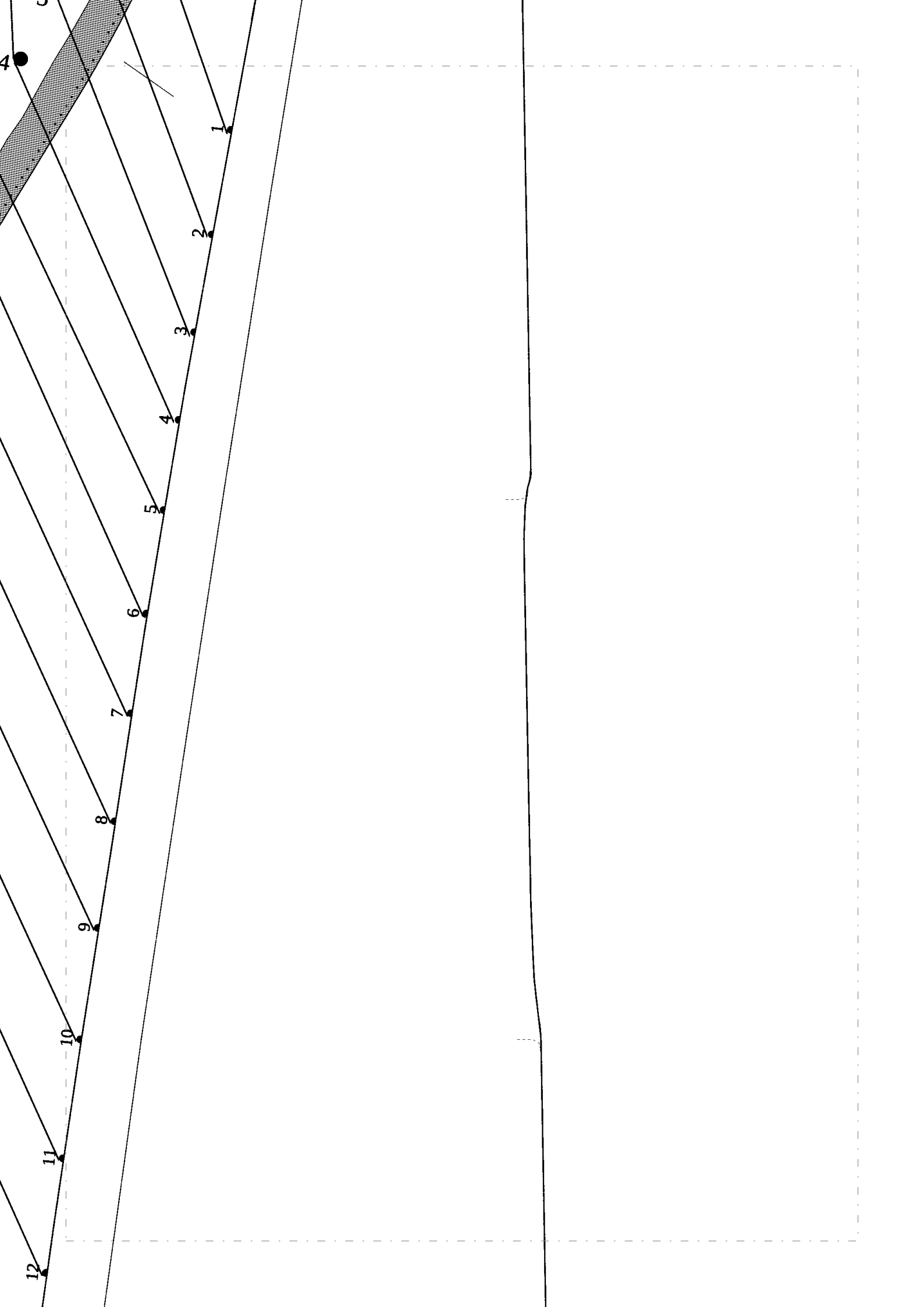


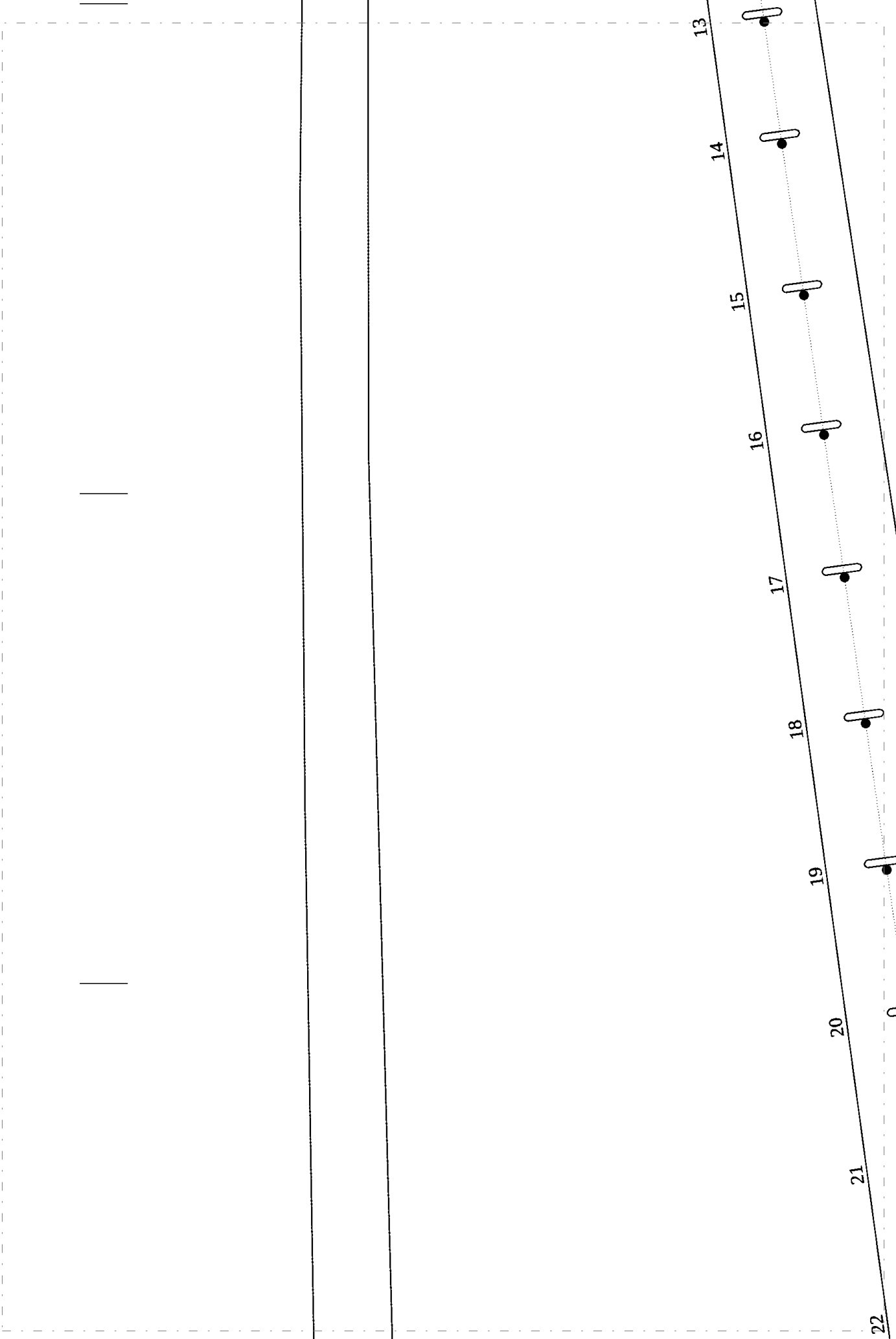






Join line between parts G and H





13

14

15

16

17

18

19

20

21

22





0

1

2

3

4

5

6

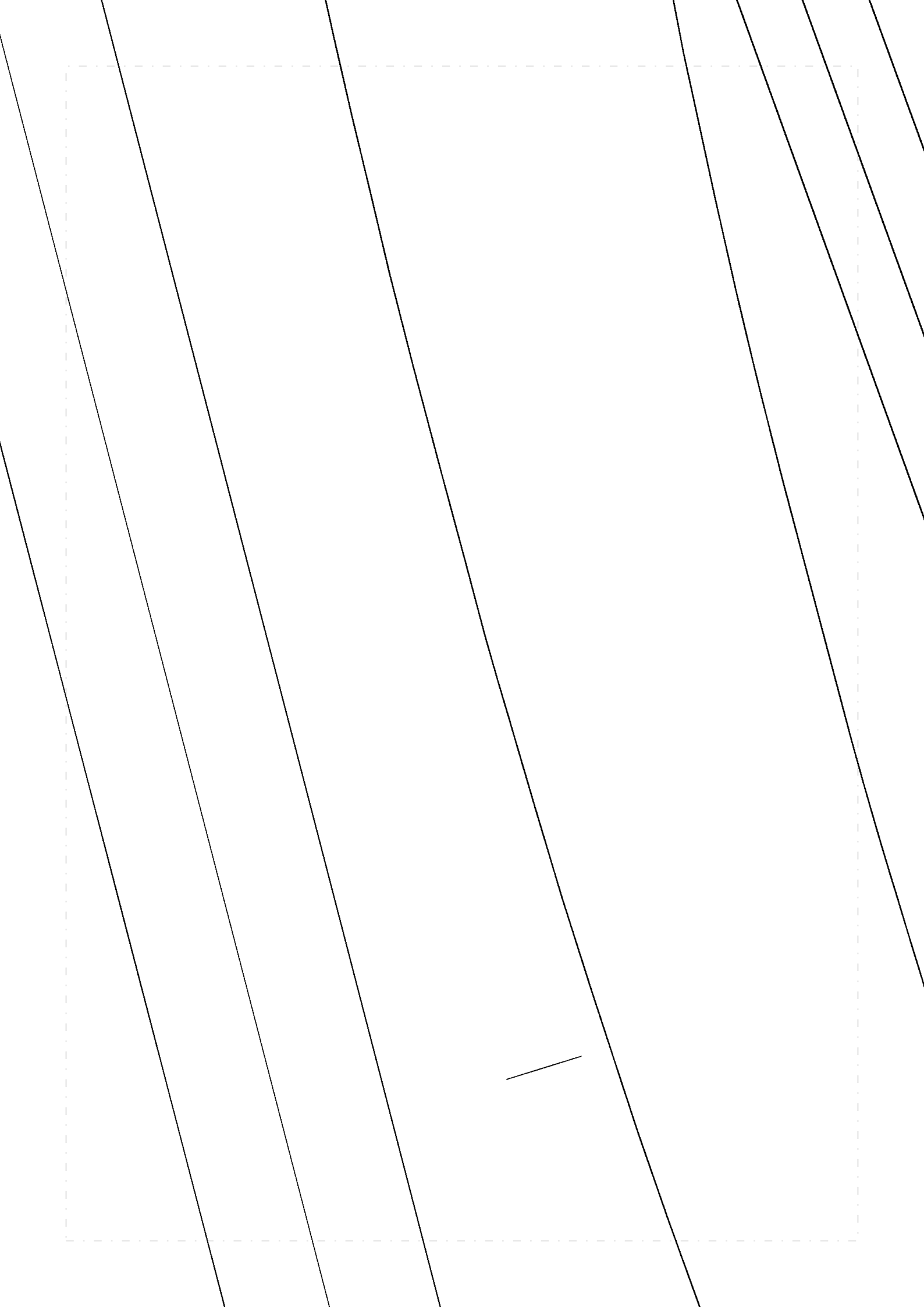
7

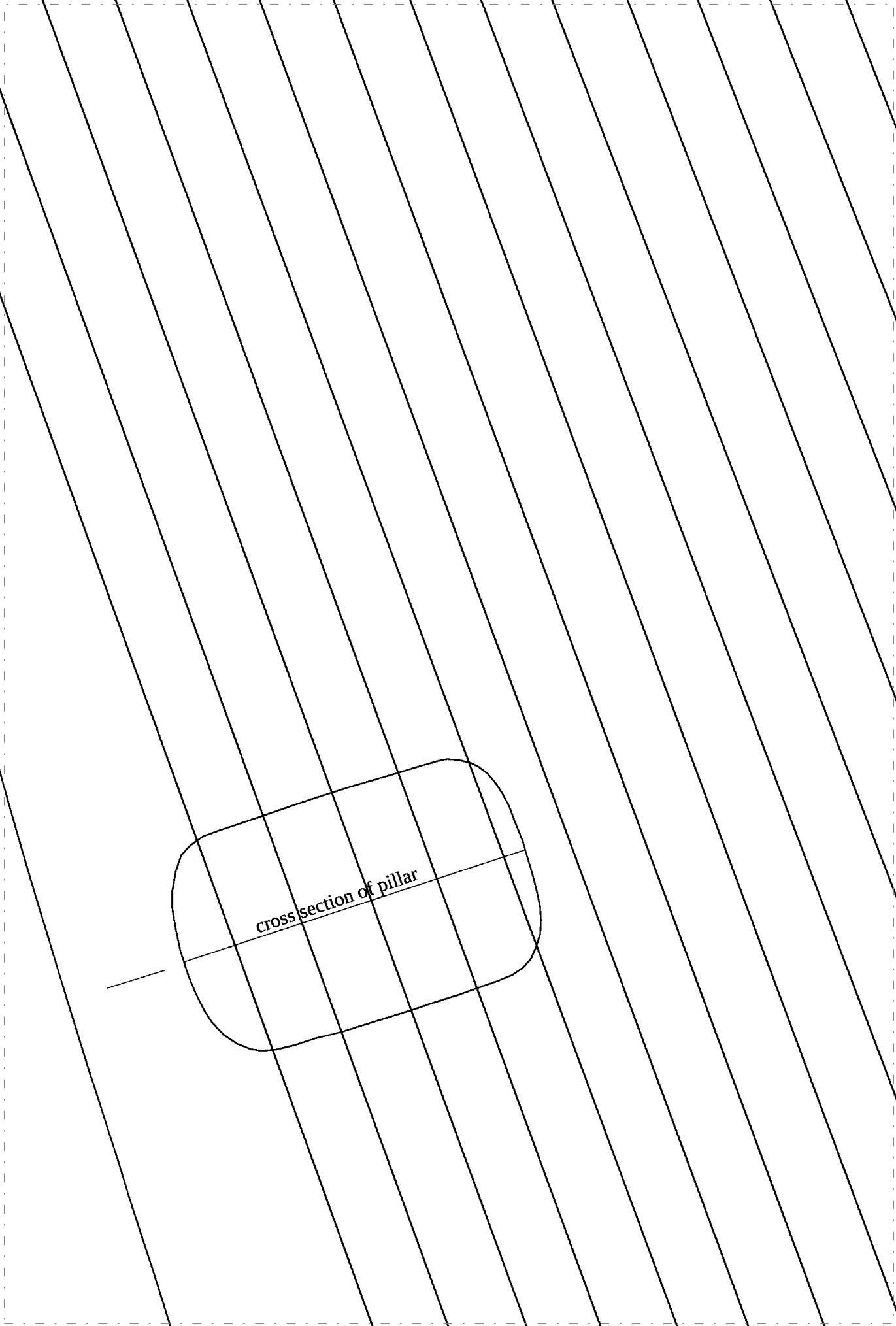
19

20

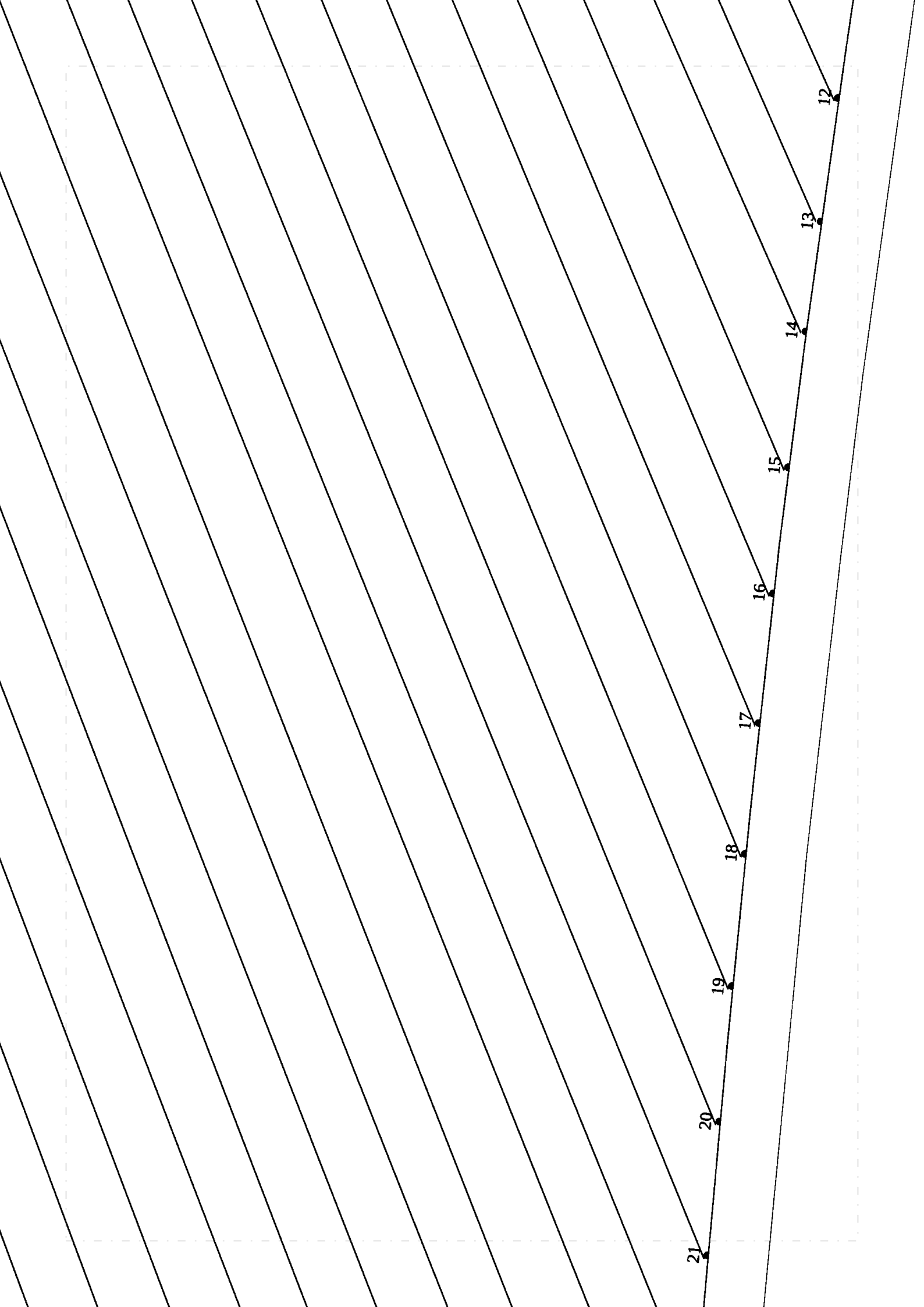
21

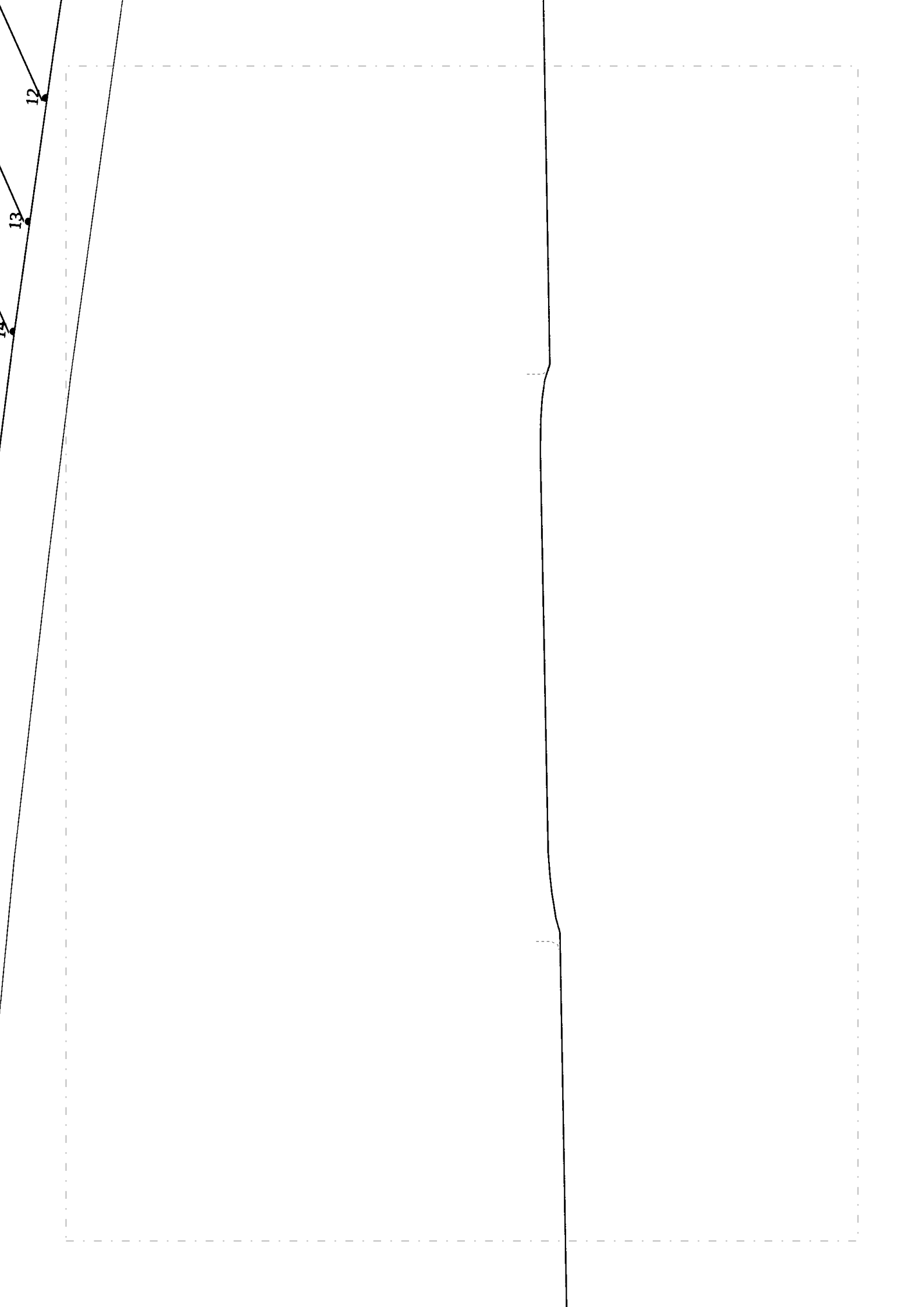
22





cross section of pillar





22

23

24

25



0

22

23

24

25

26

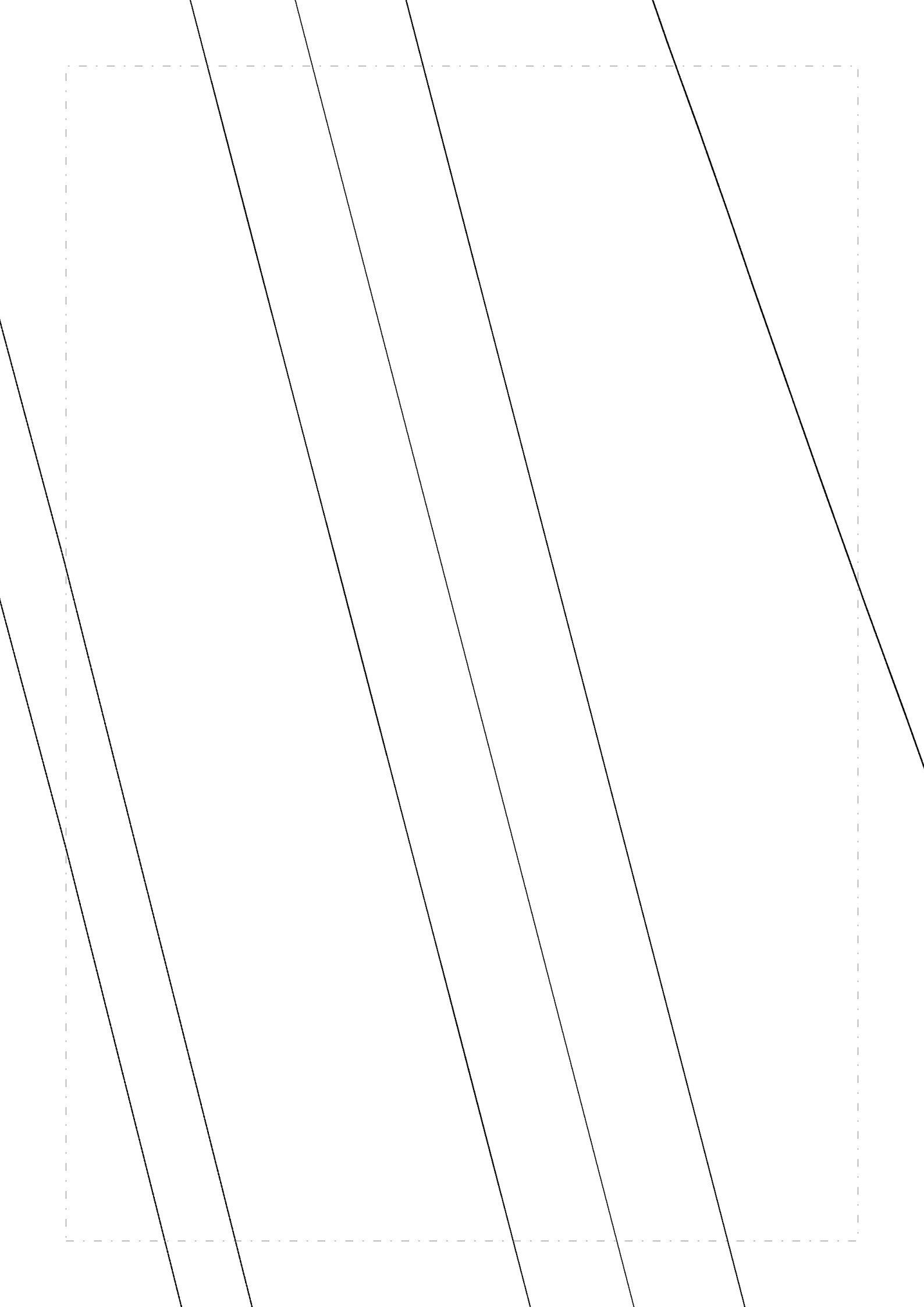
27

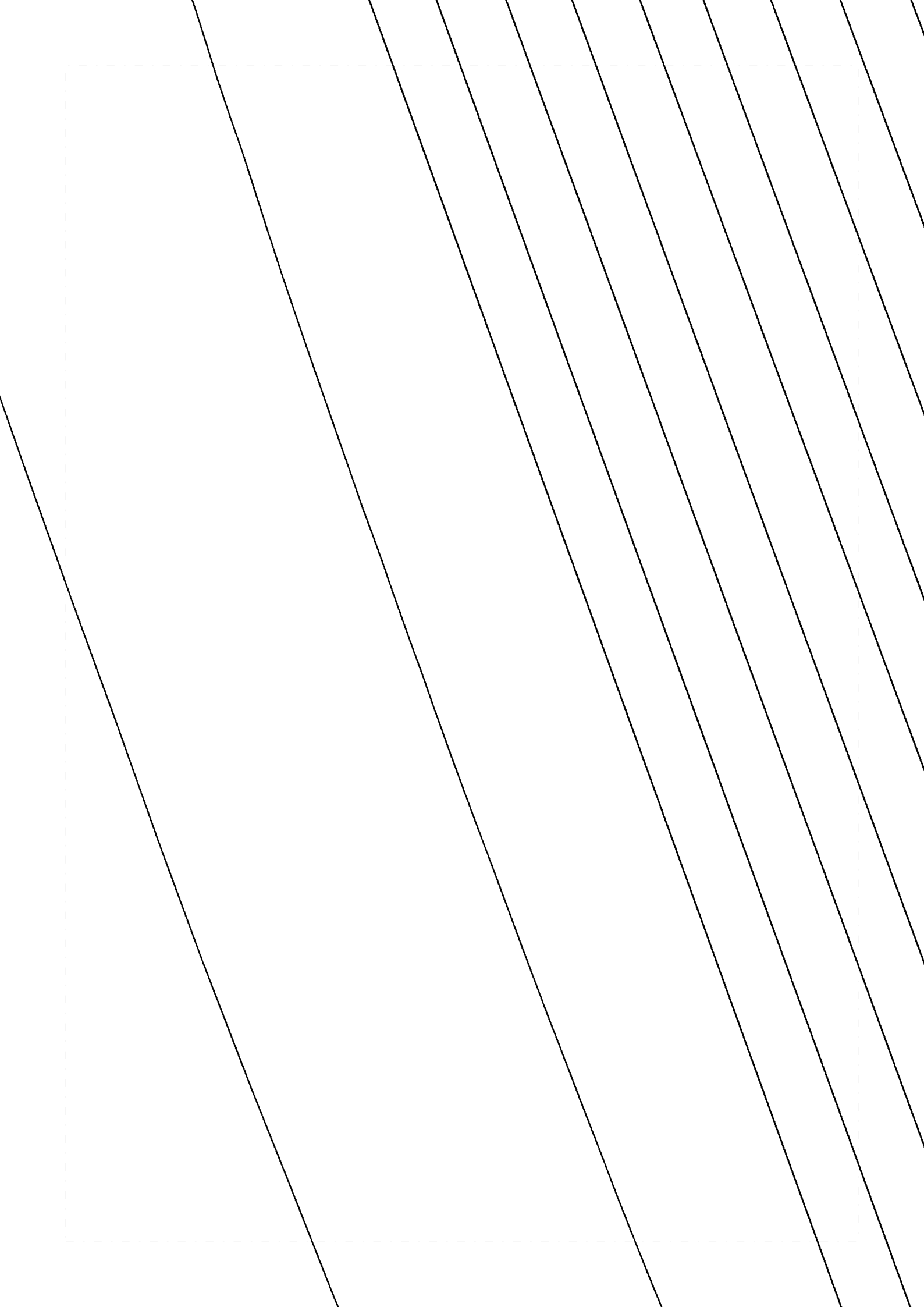
28

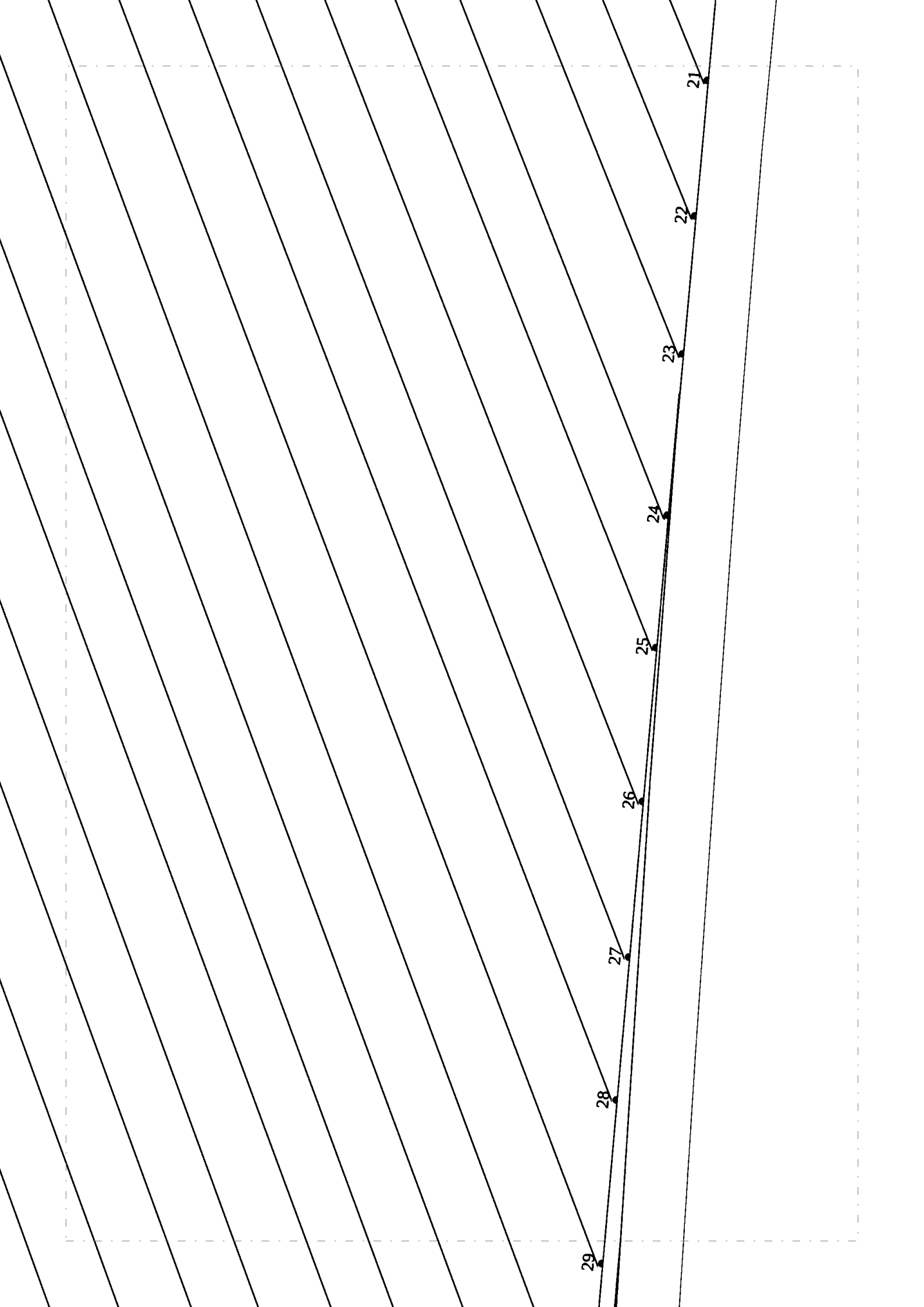
29

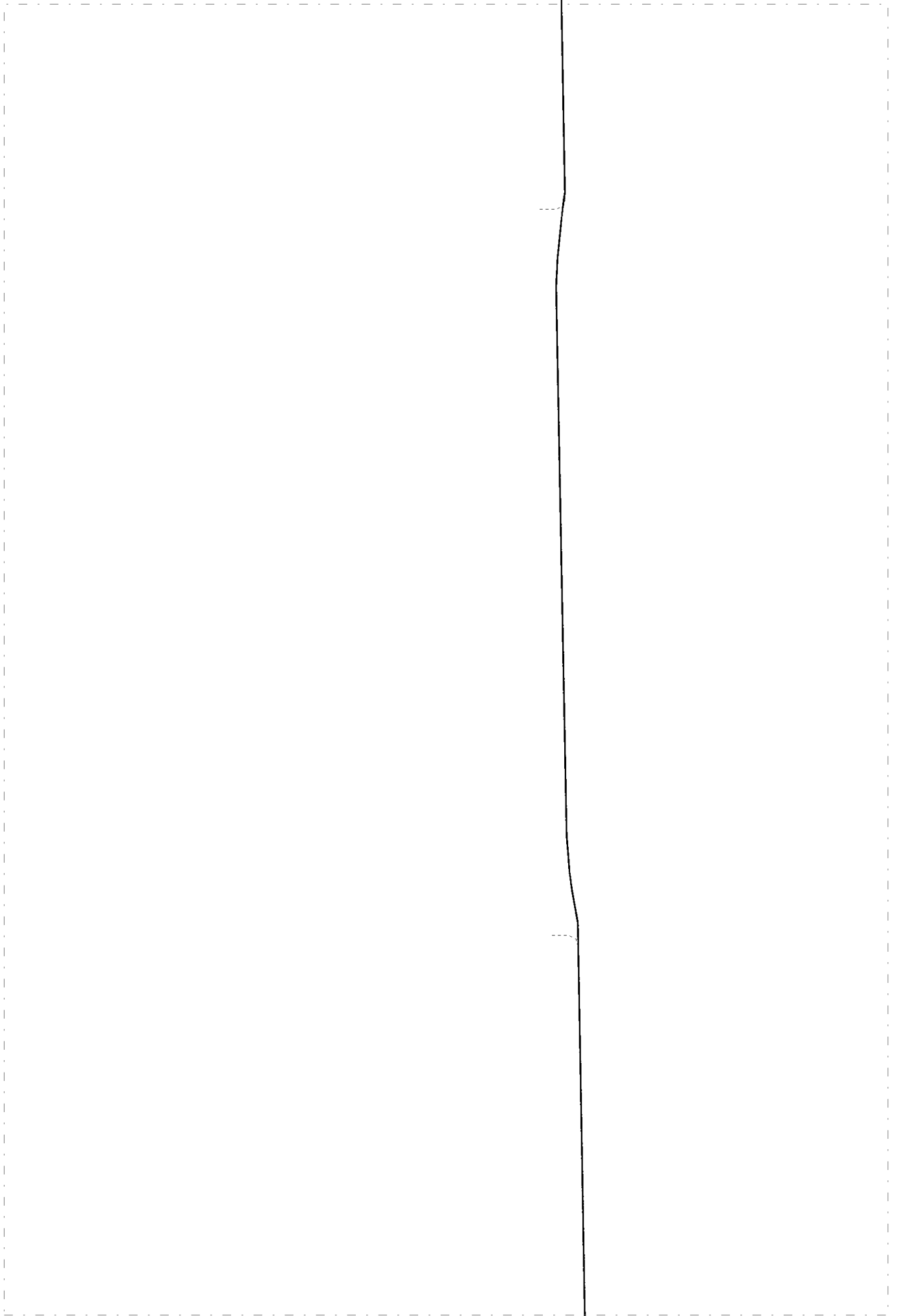
30

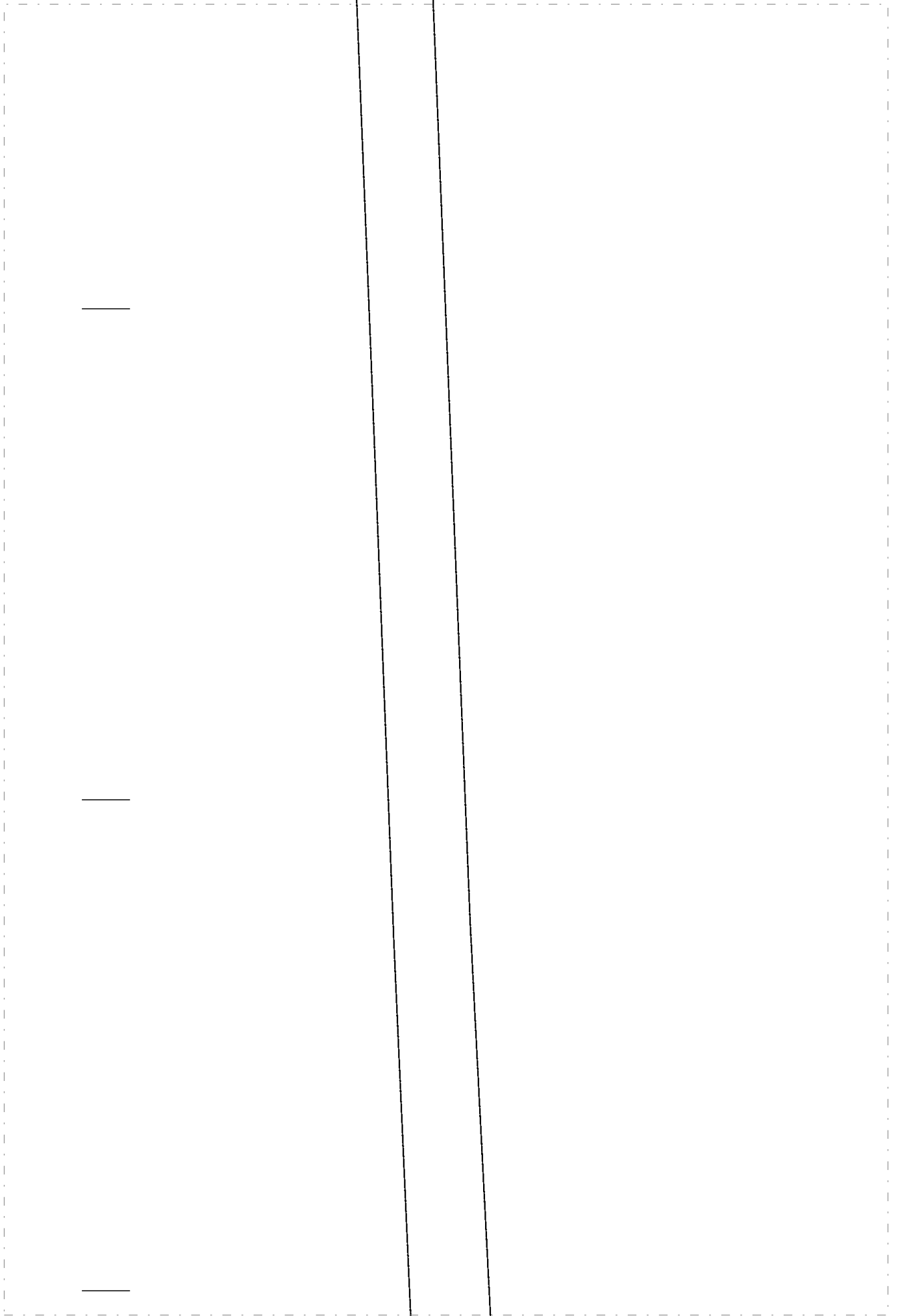


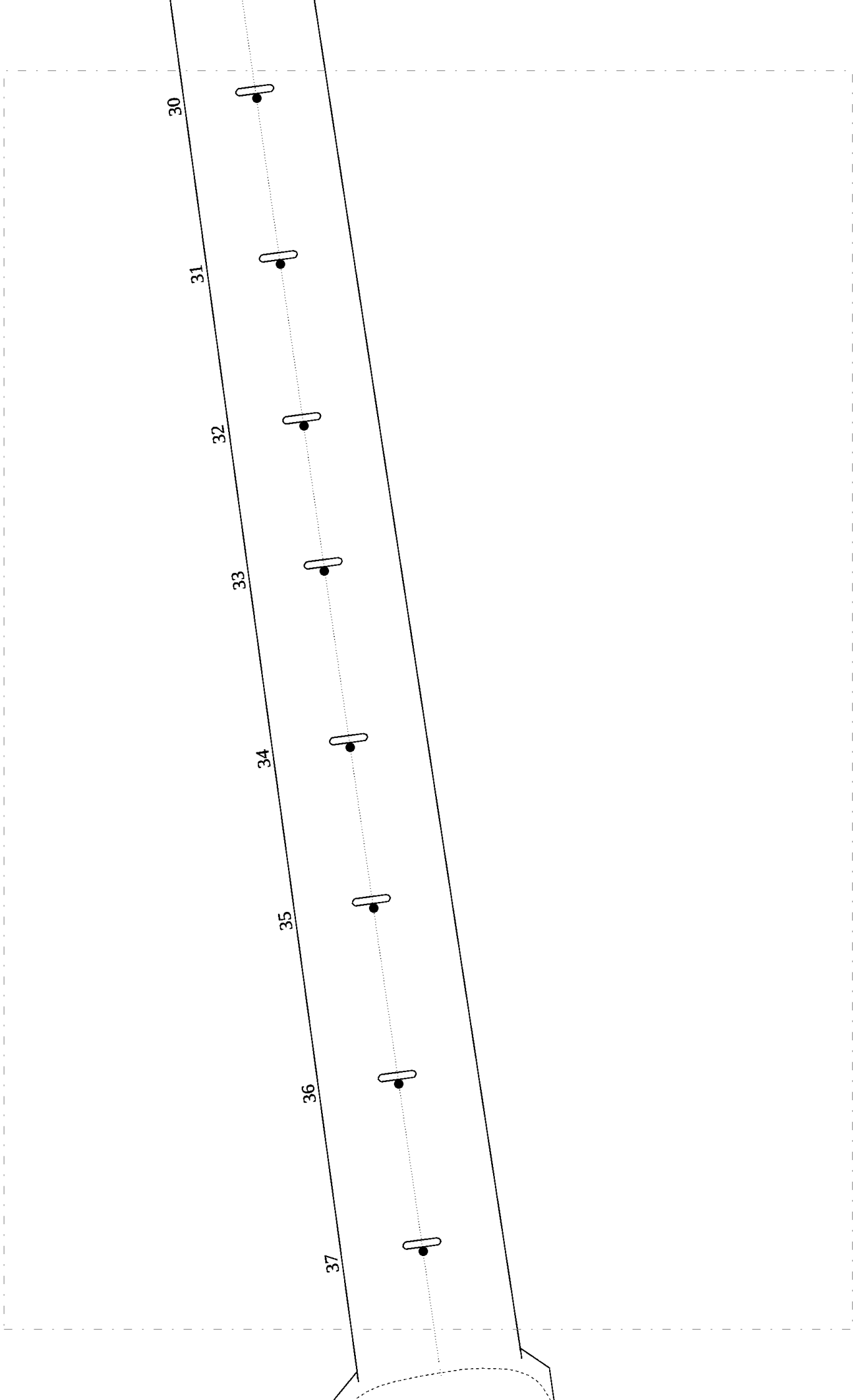


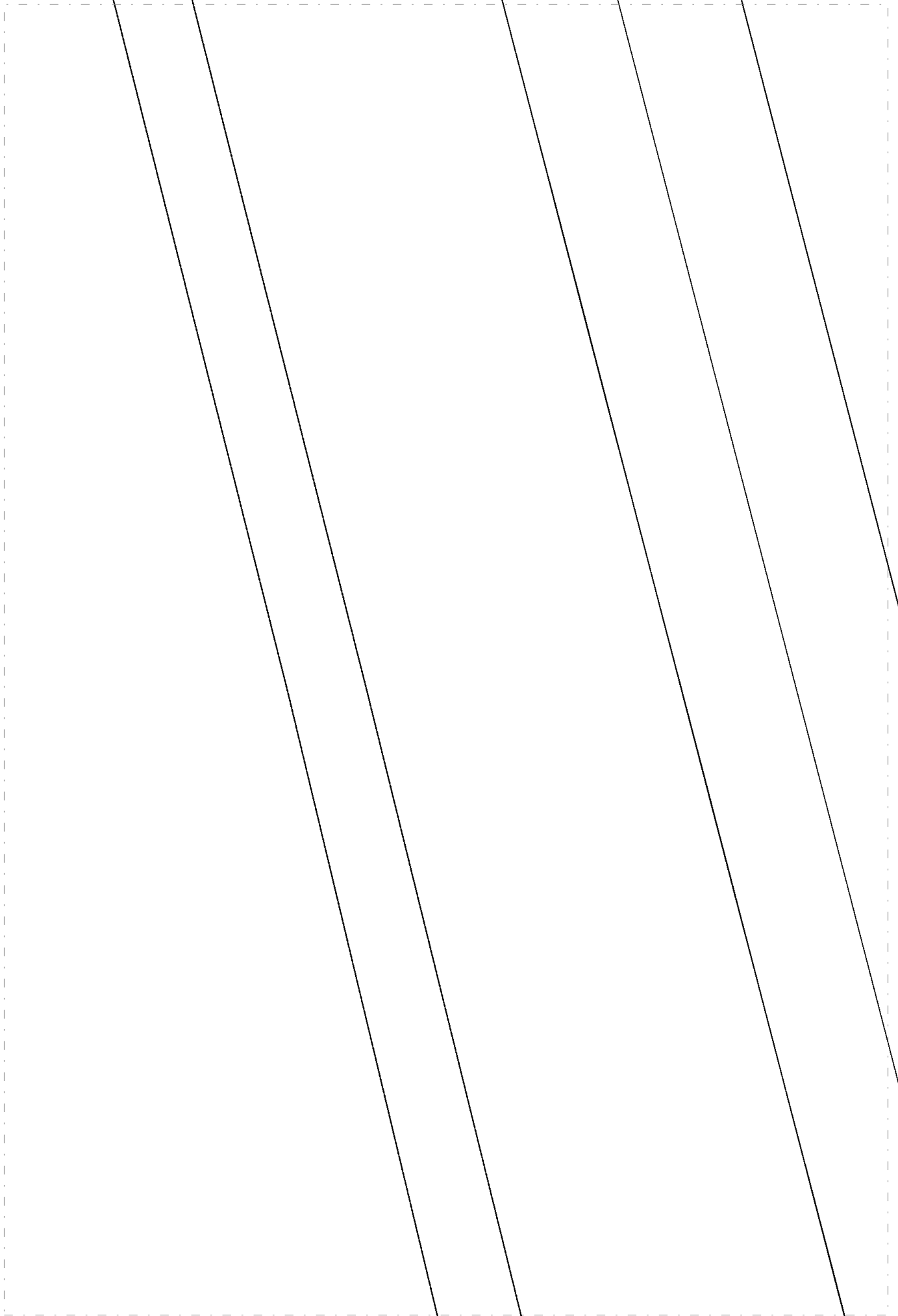


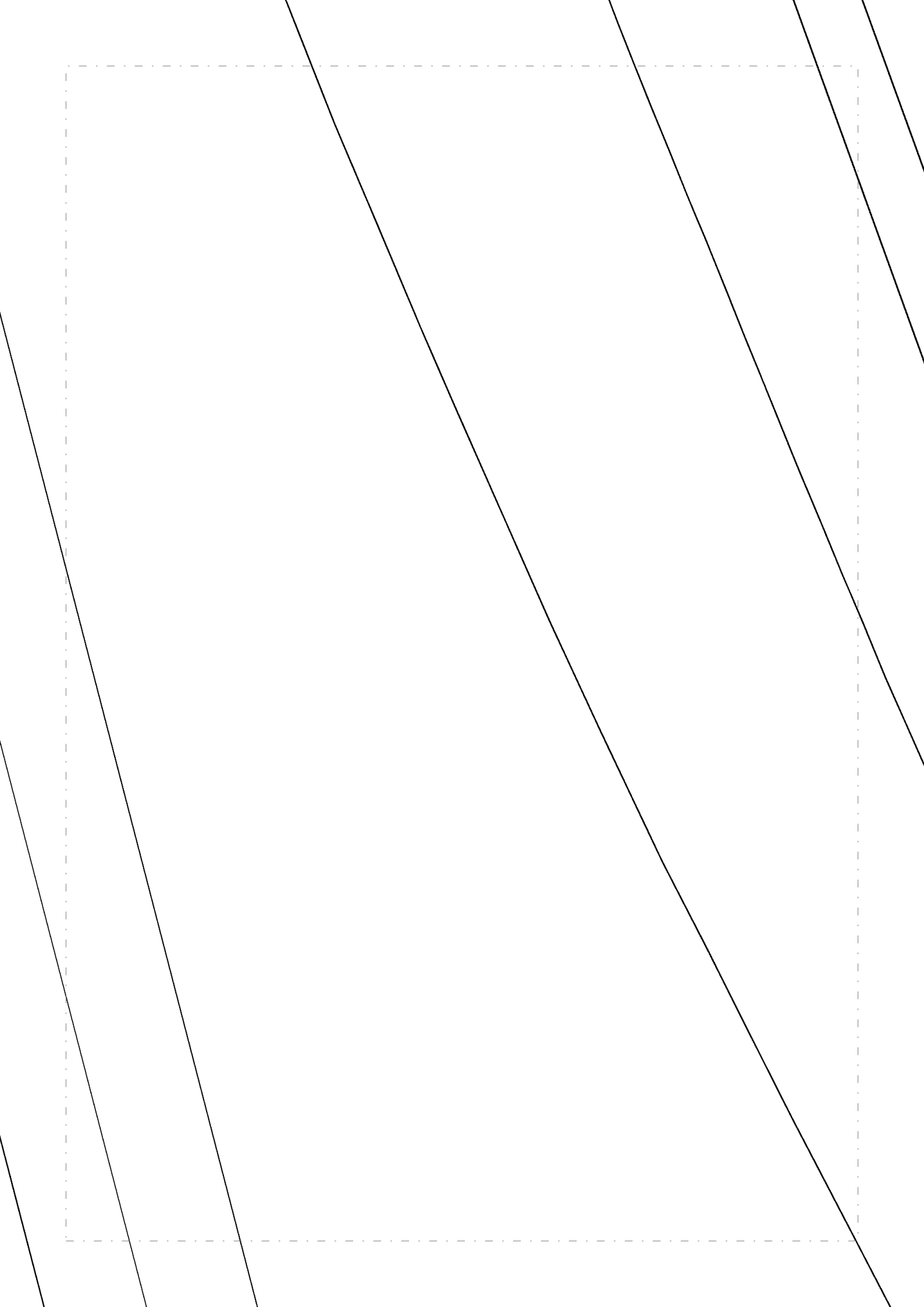


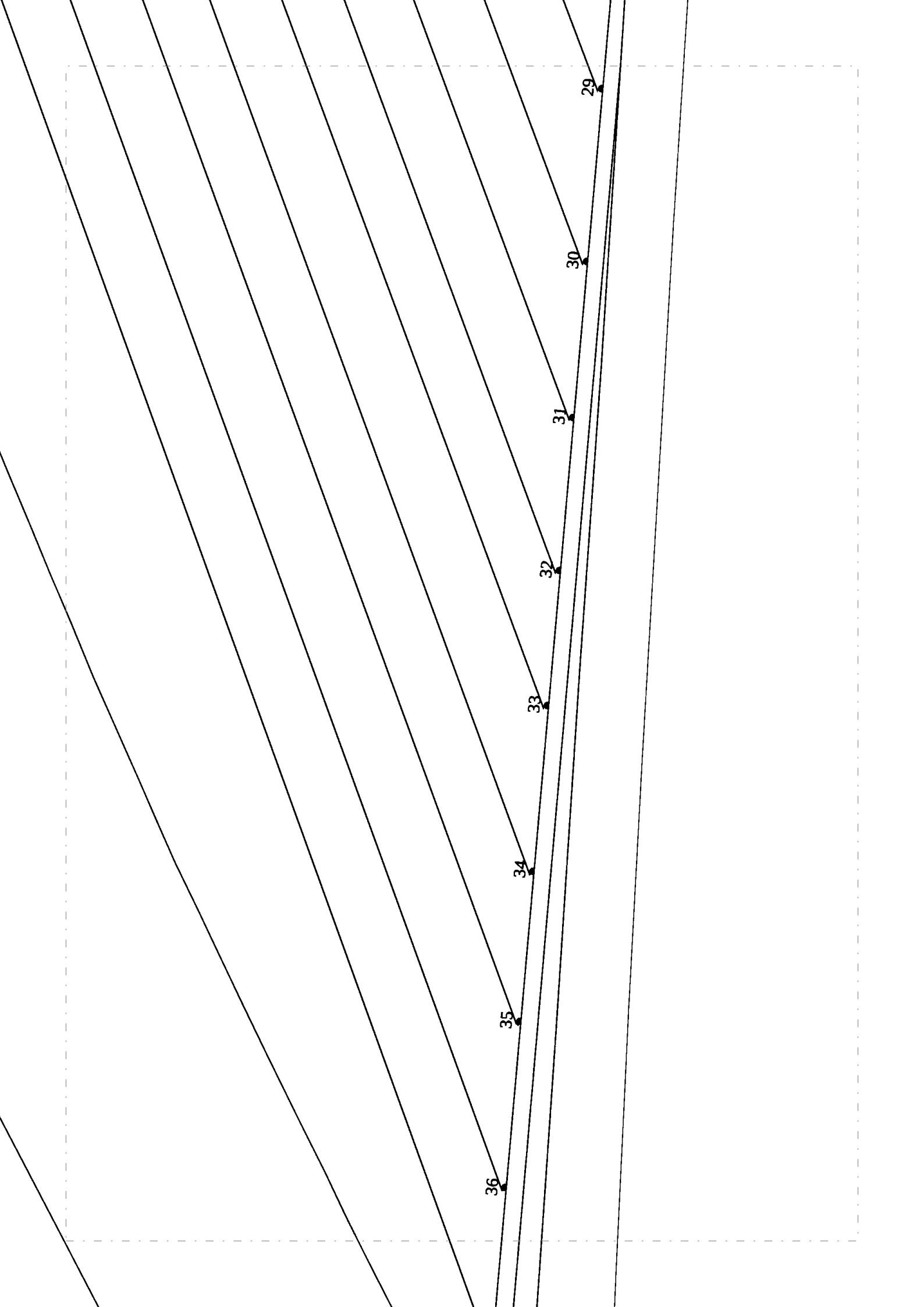


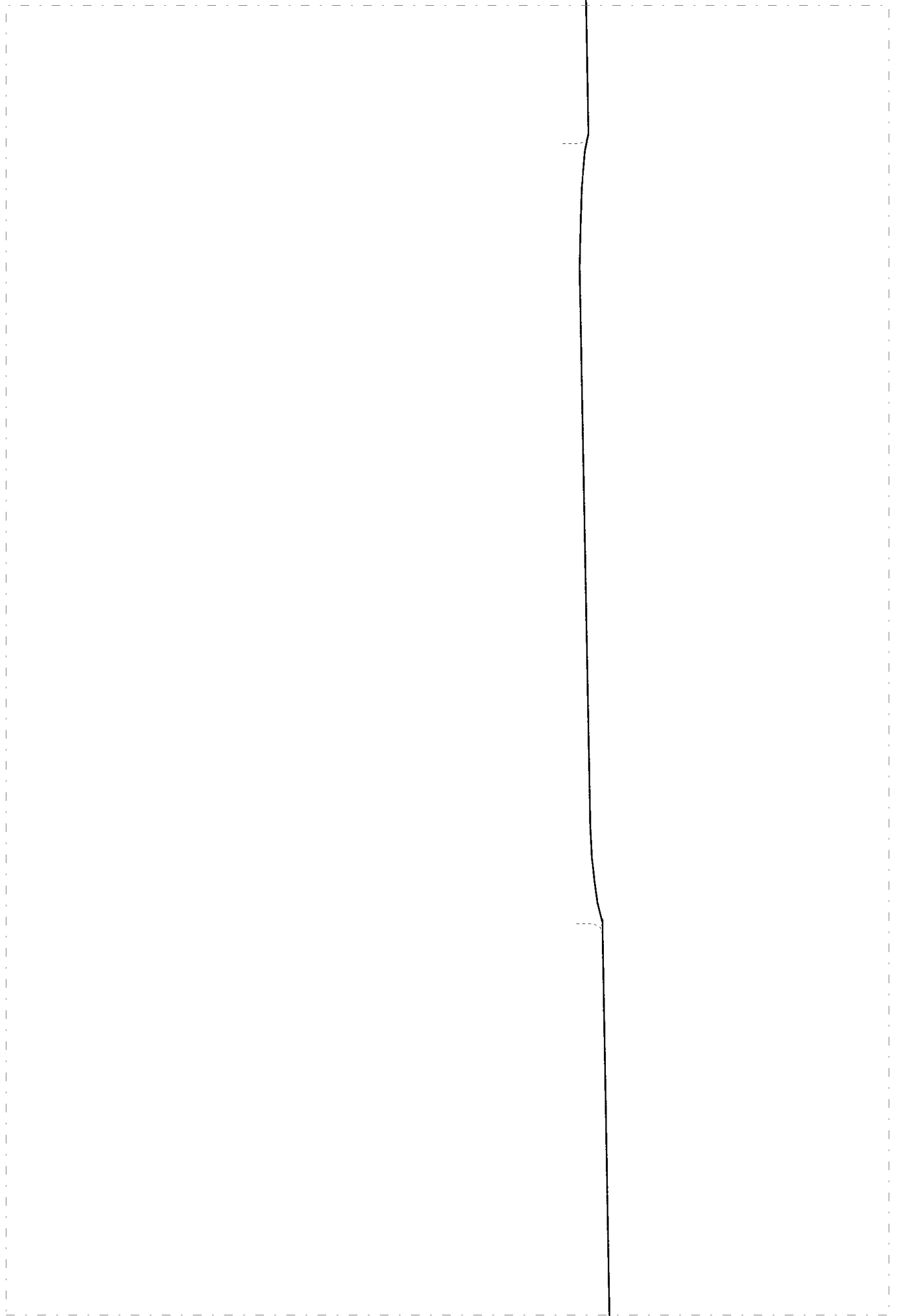


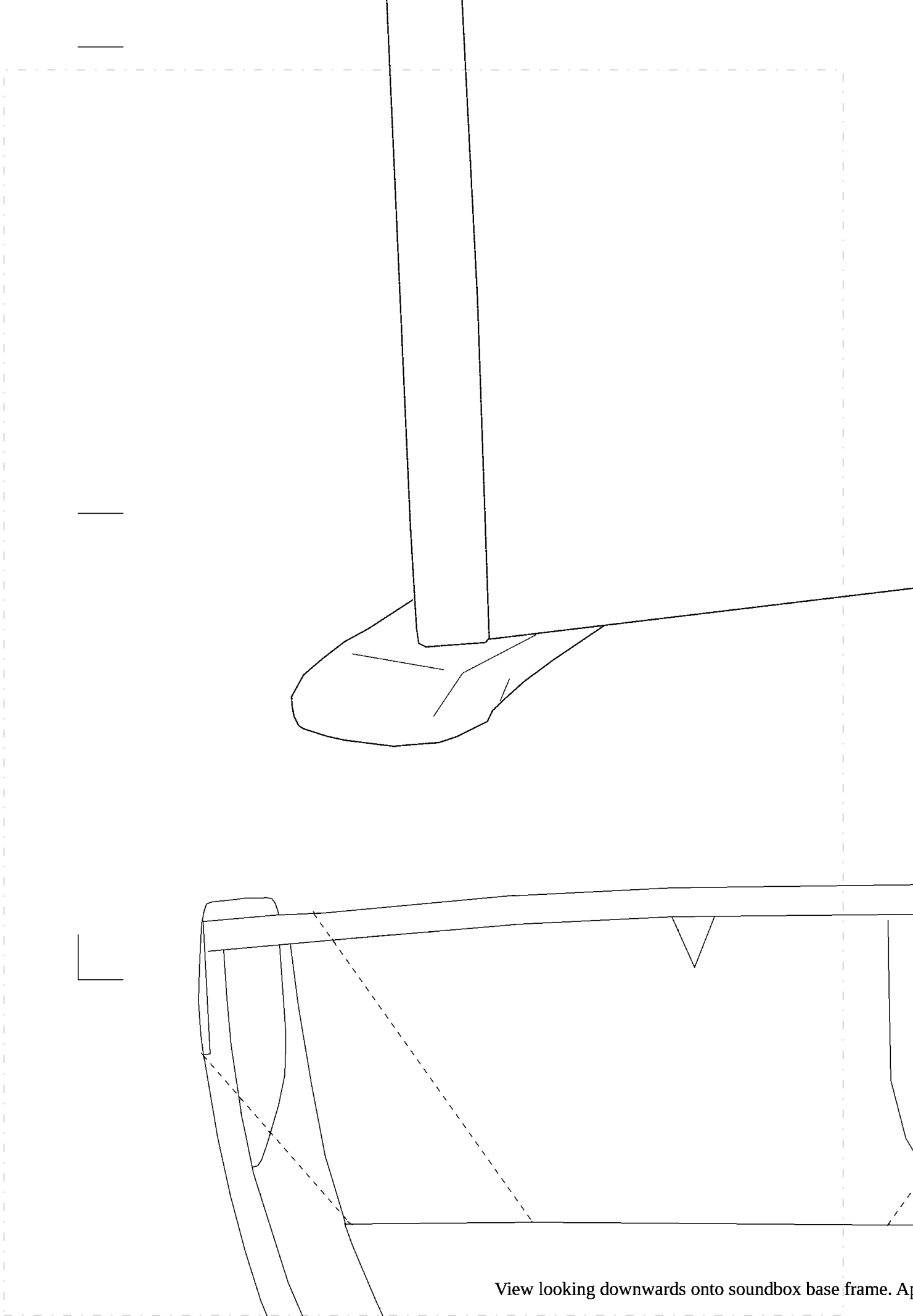




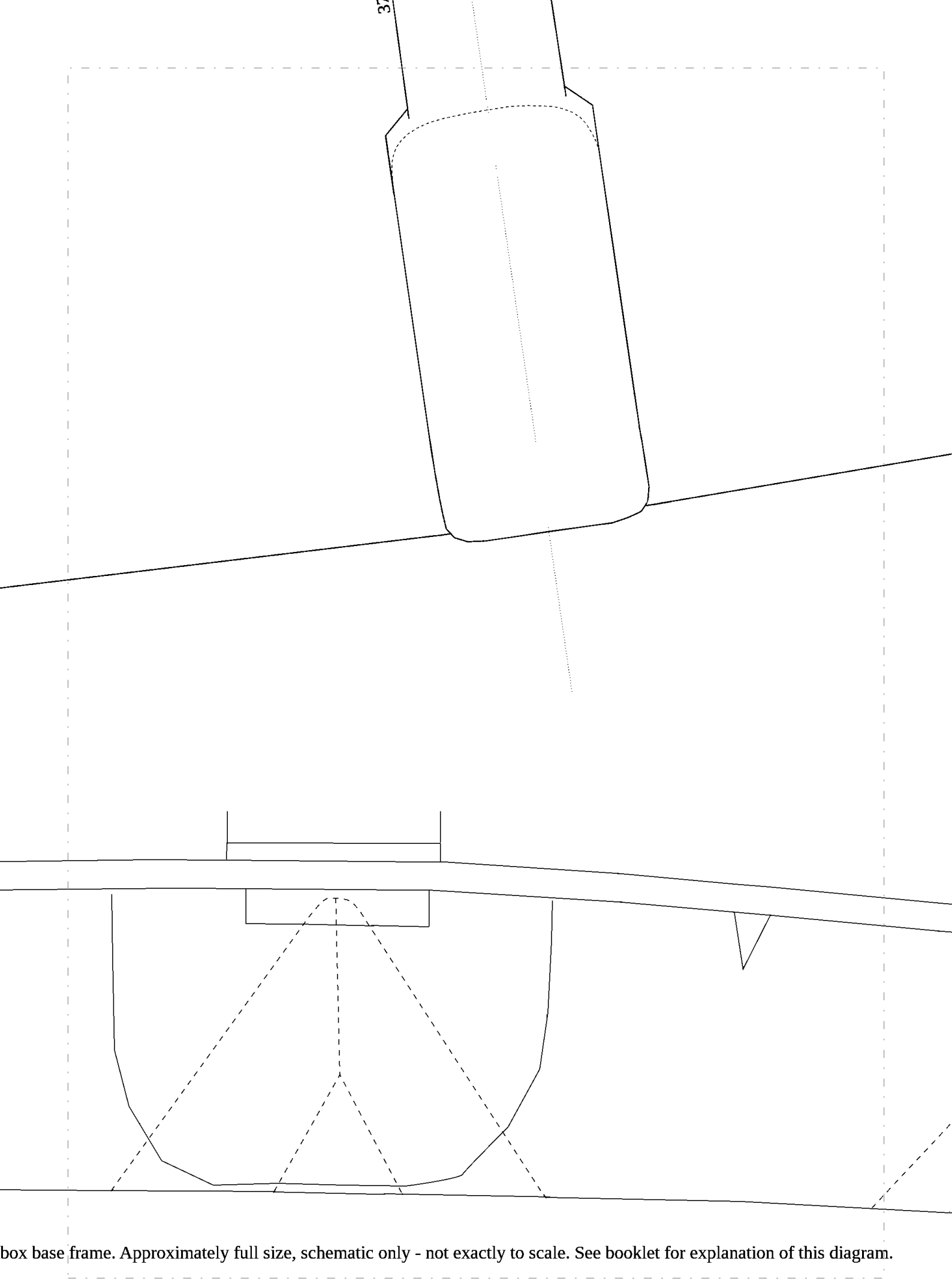




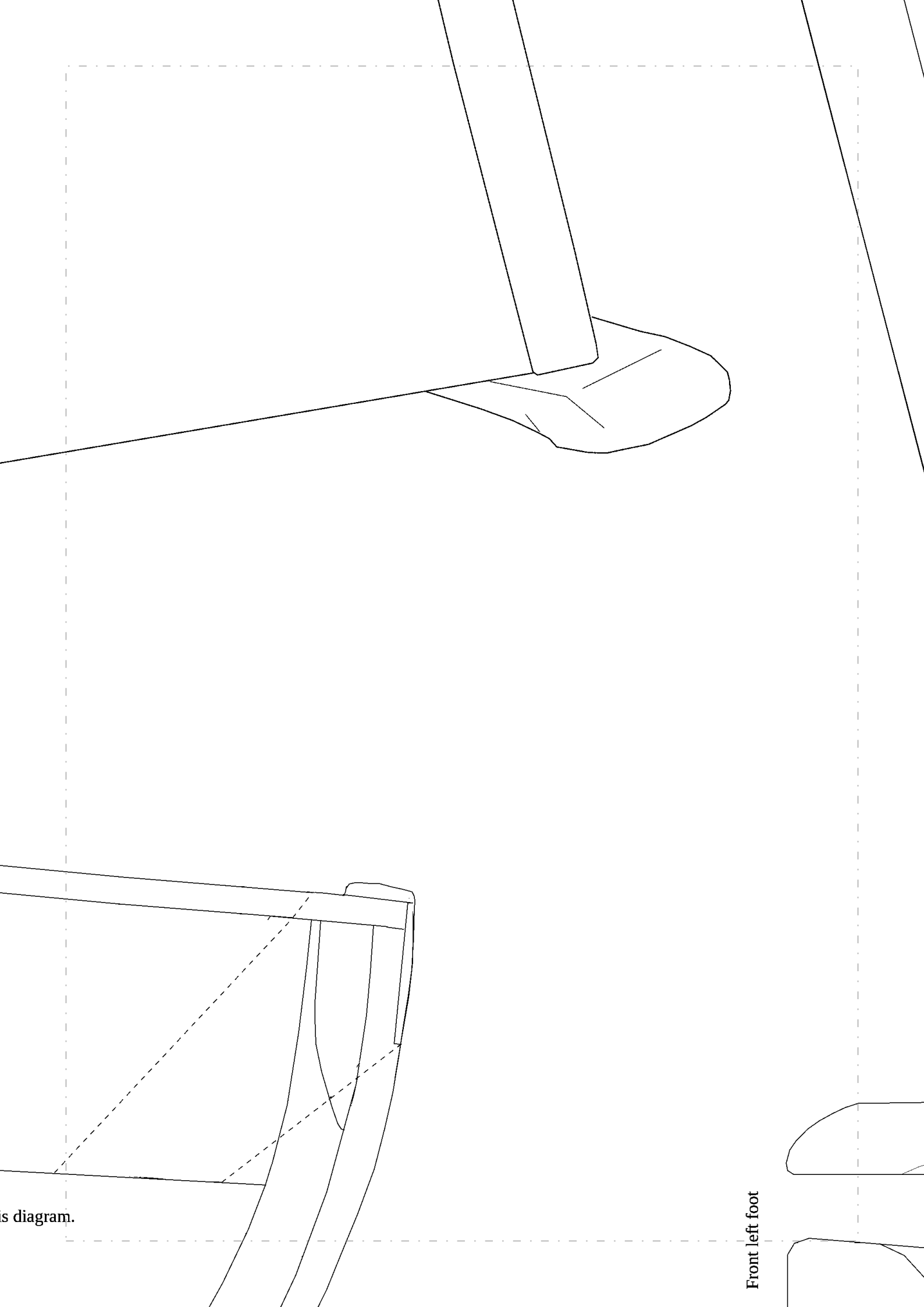




View looking downwards onto soundbox base frame. Ap



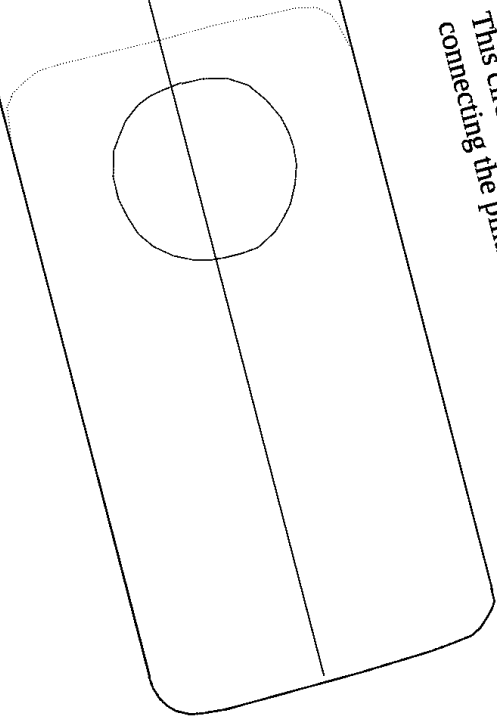
box base frame. Approximately full size, schematic only - not exactly to scale. See booklet for explanation of this diagram.

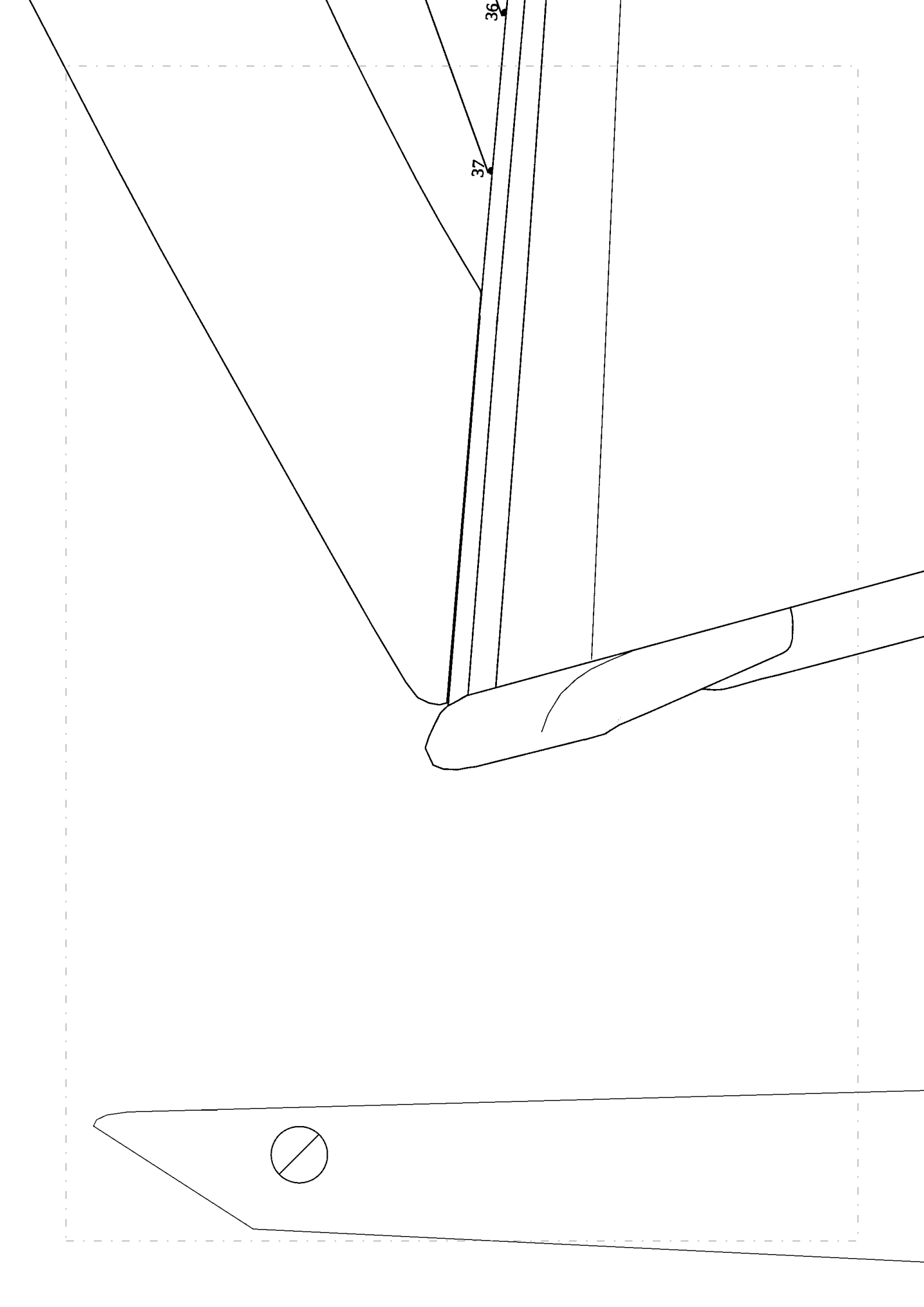


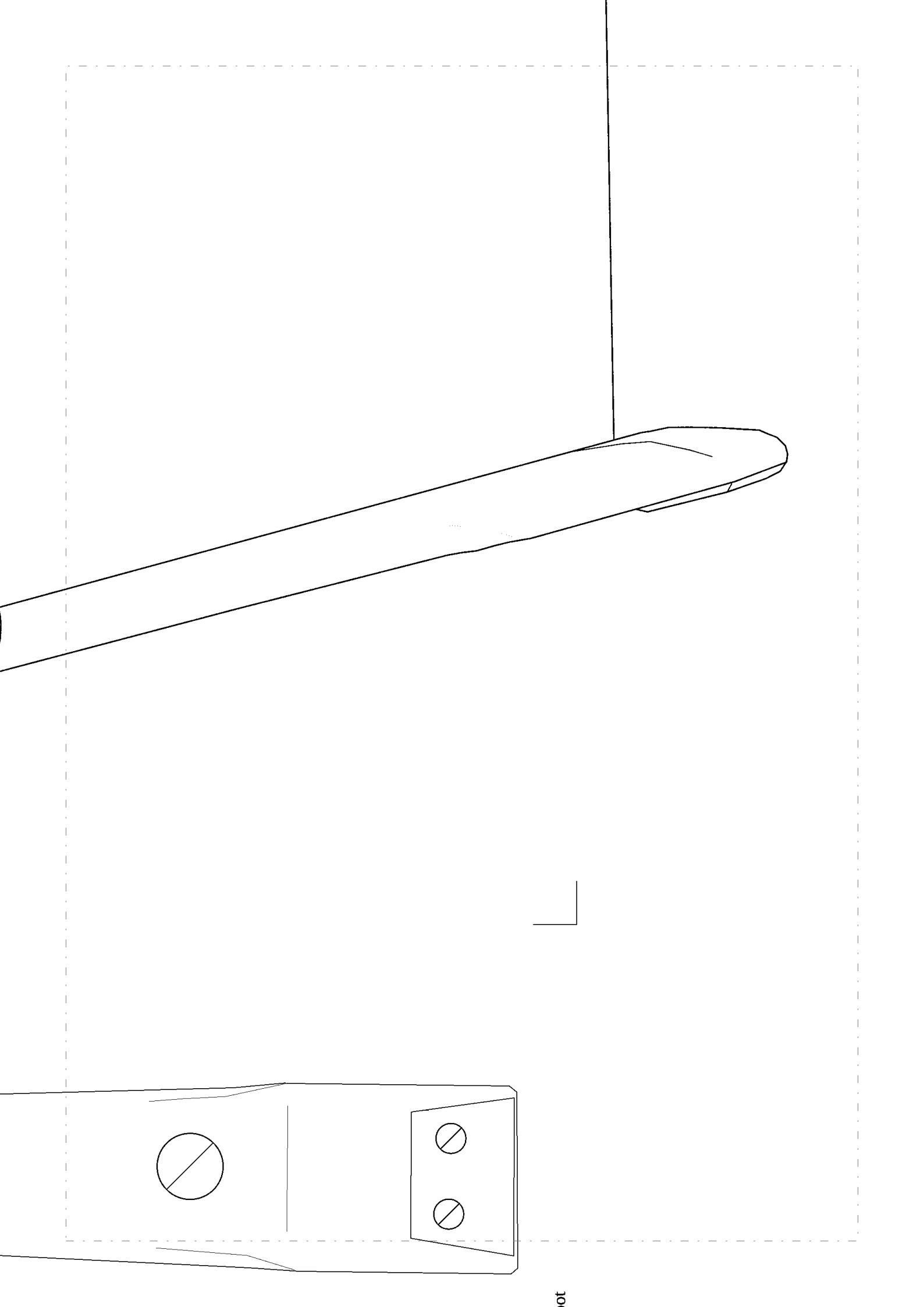
s diagram.

Front left foot

This circular plug conceals the screw or bolt connecting the pillar base to the soundbox base

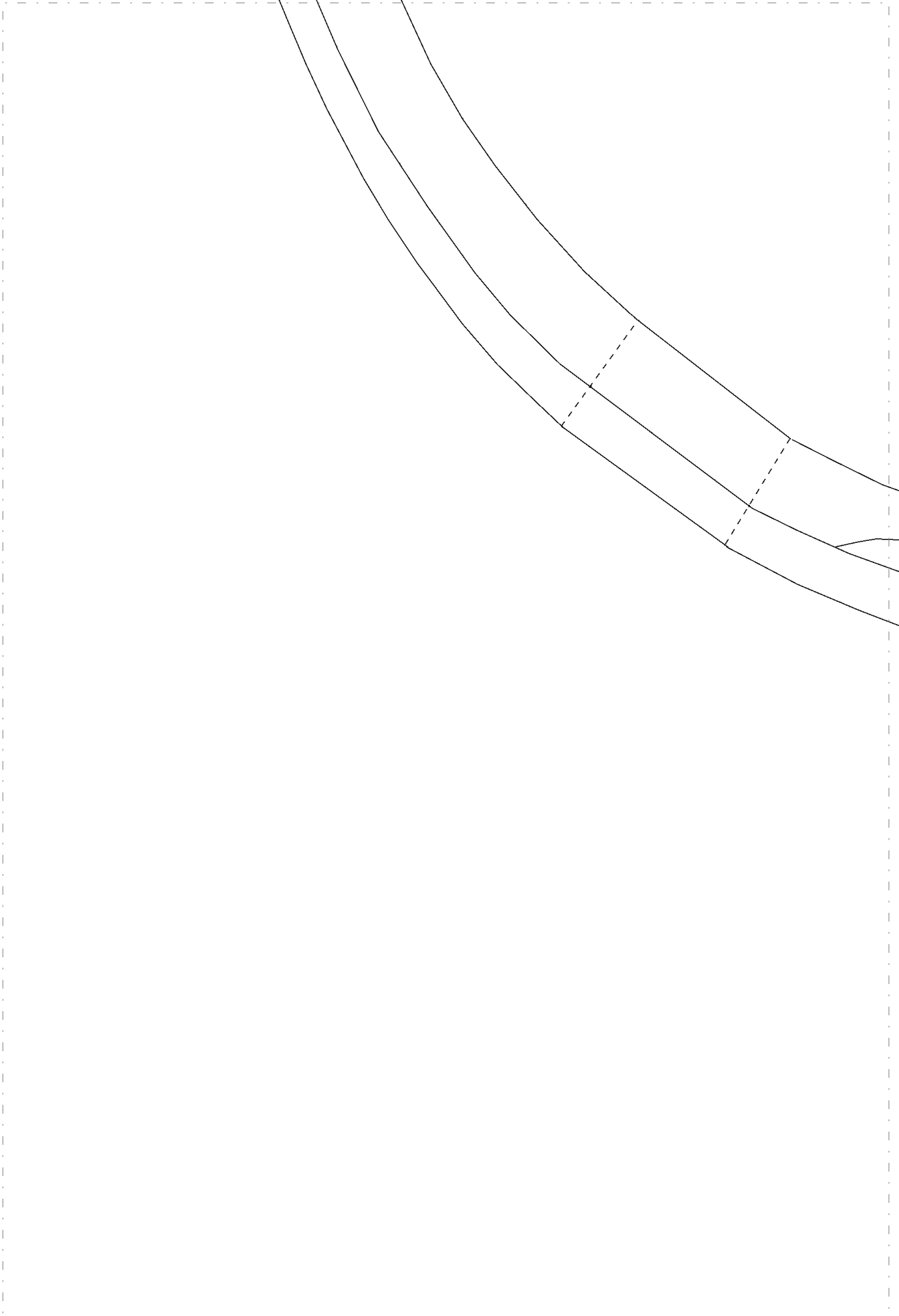




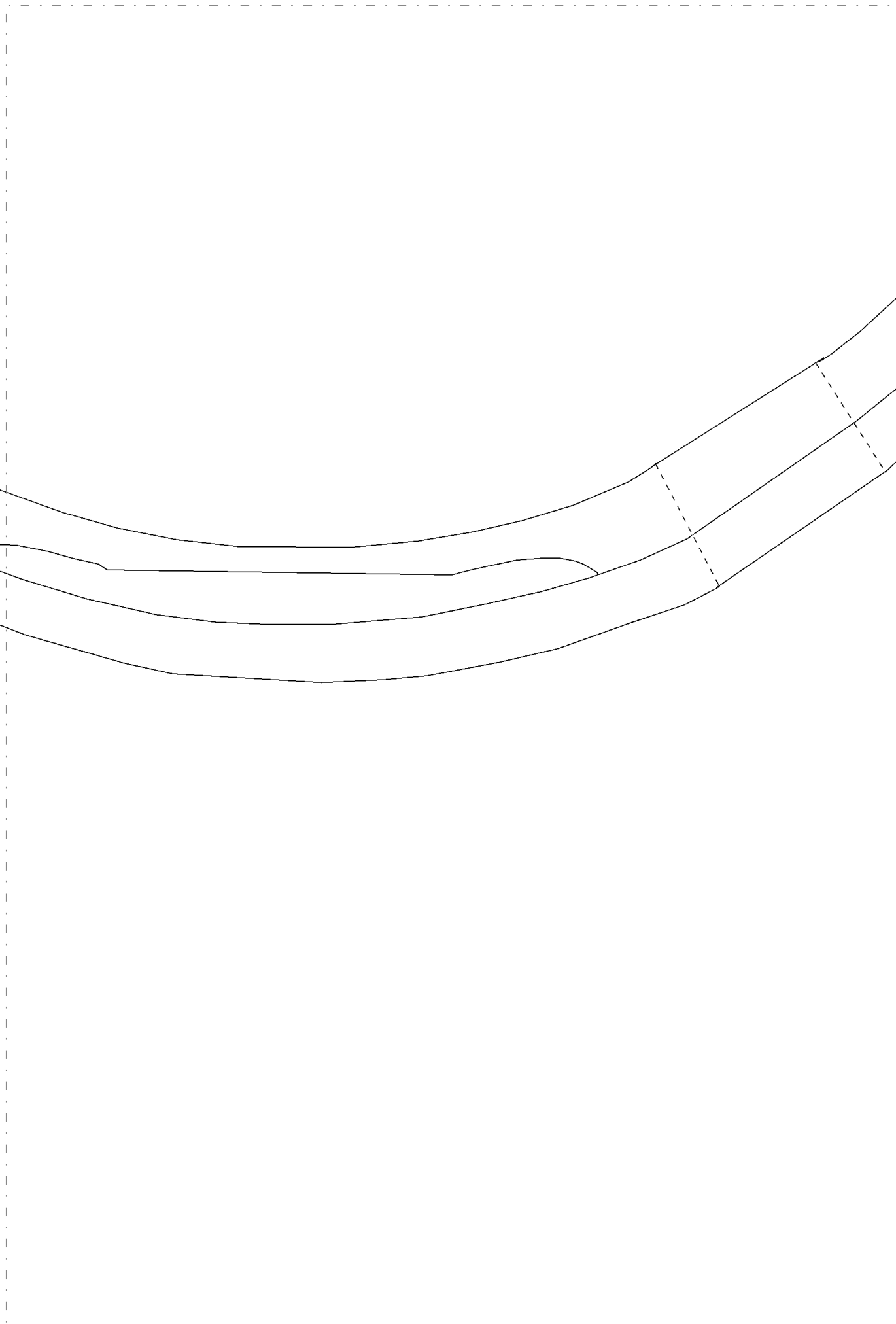


tot

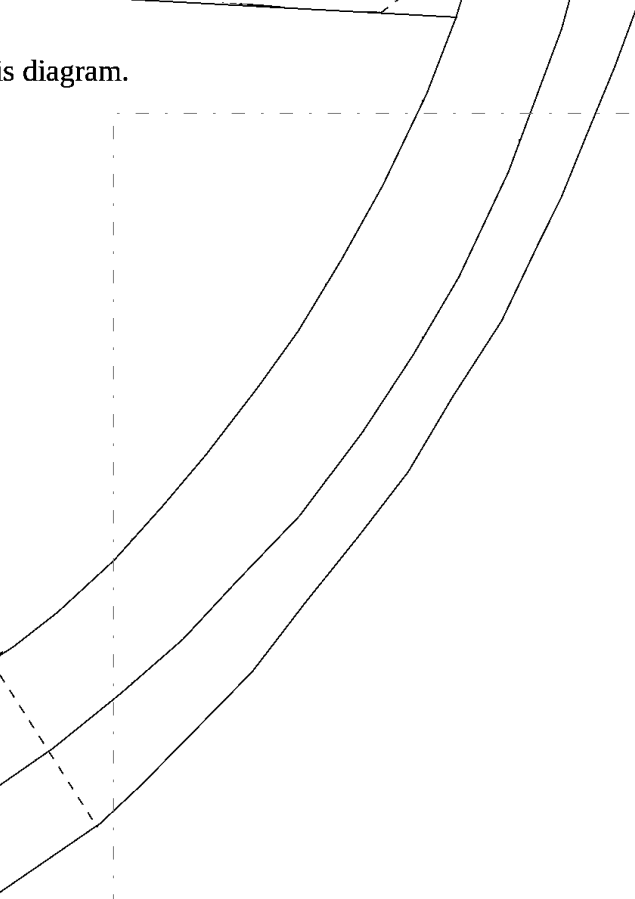
View looking downwards onto soundbox base frame. A



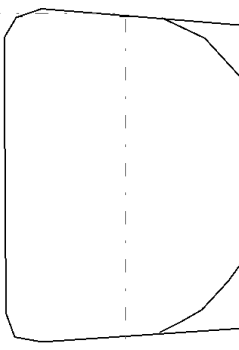
box base frame. Approximately full size, schematic only - not exactly to scale. See booklet for explanation of this diagram.



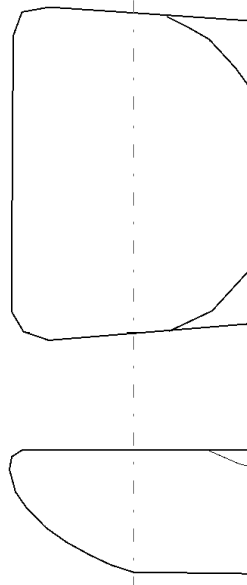
s diagram.

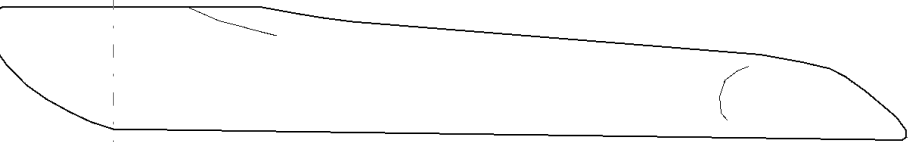
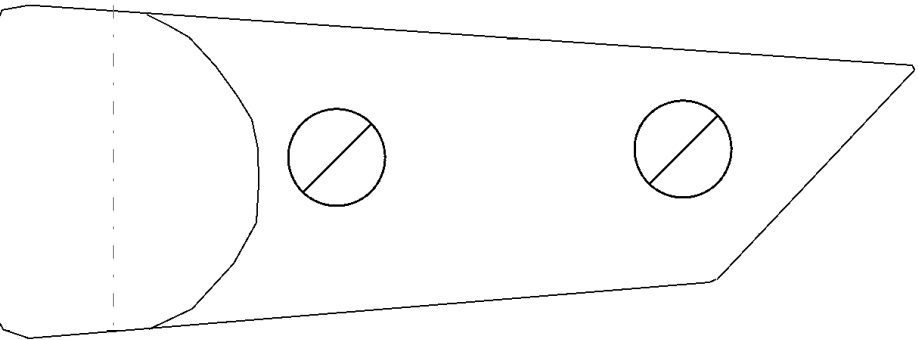
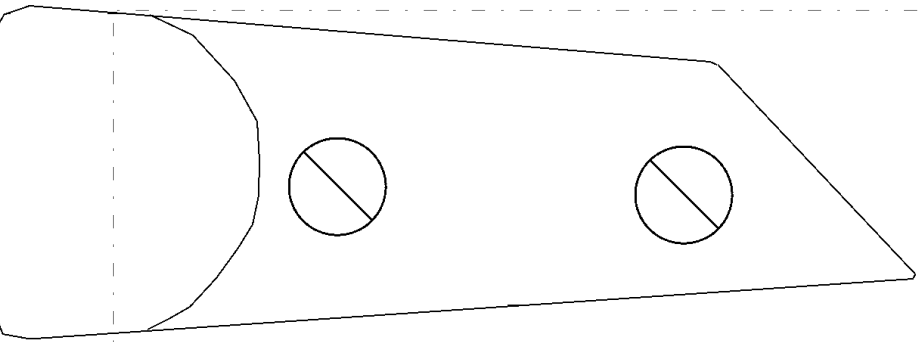


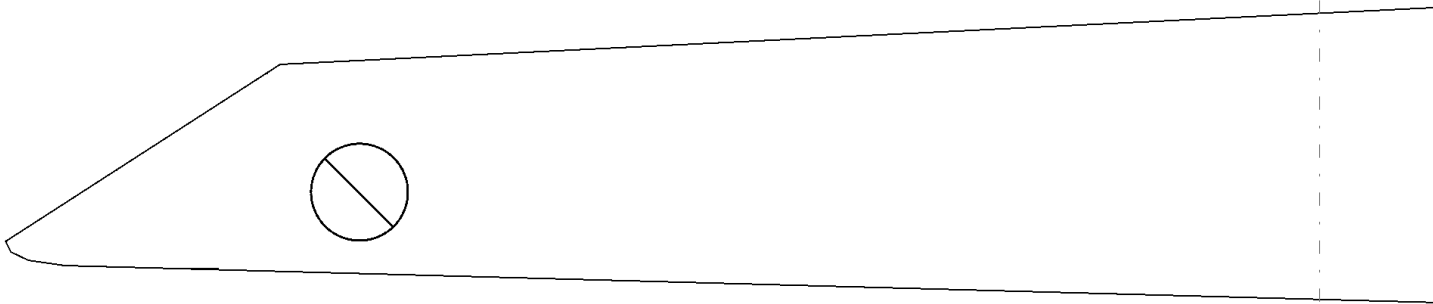
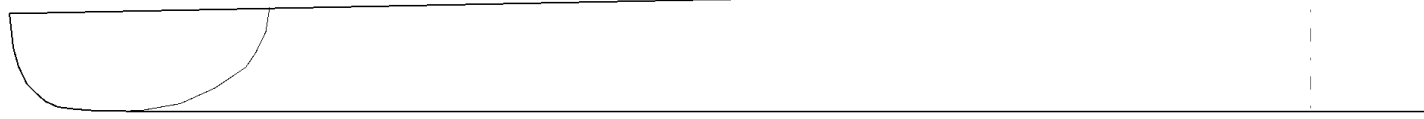
Front left foot

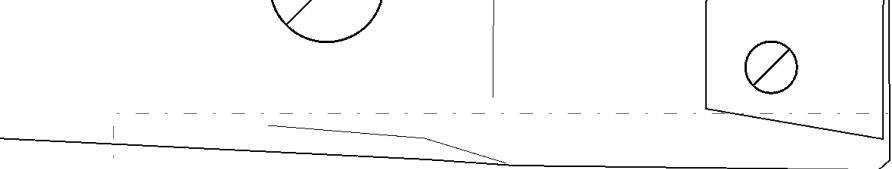


Front right foot

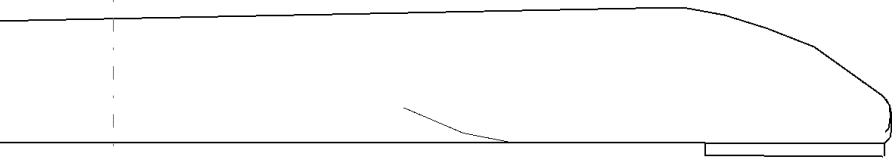
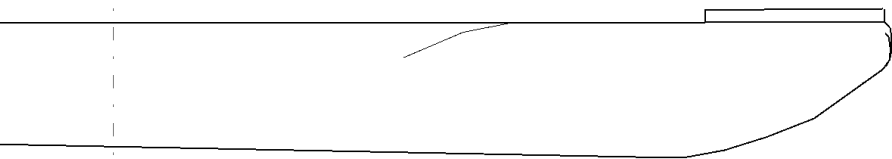








Rear left foot



Rear right foot

