

N5↑

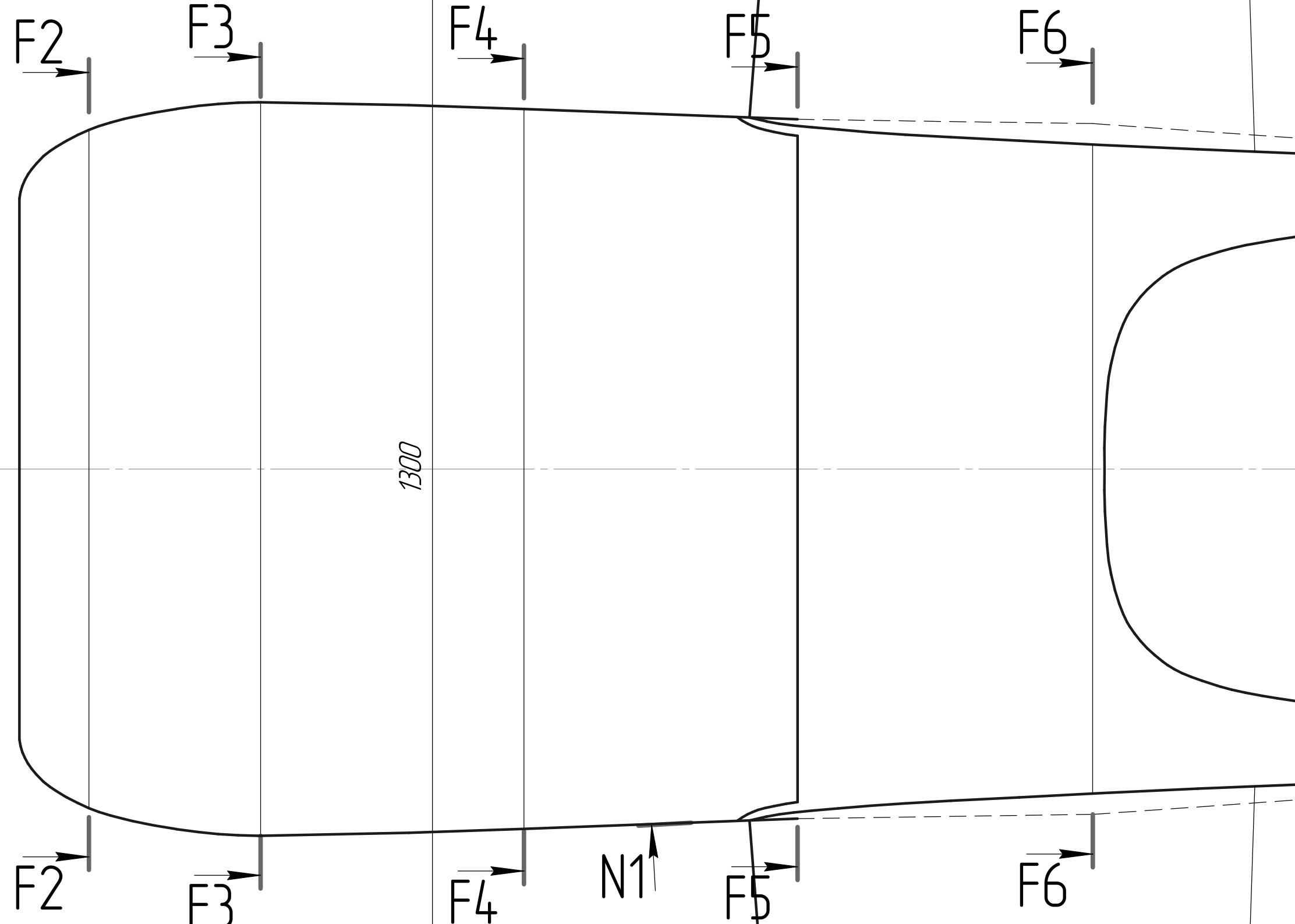
N6↑

N7↑

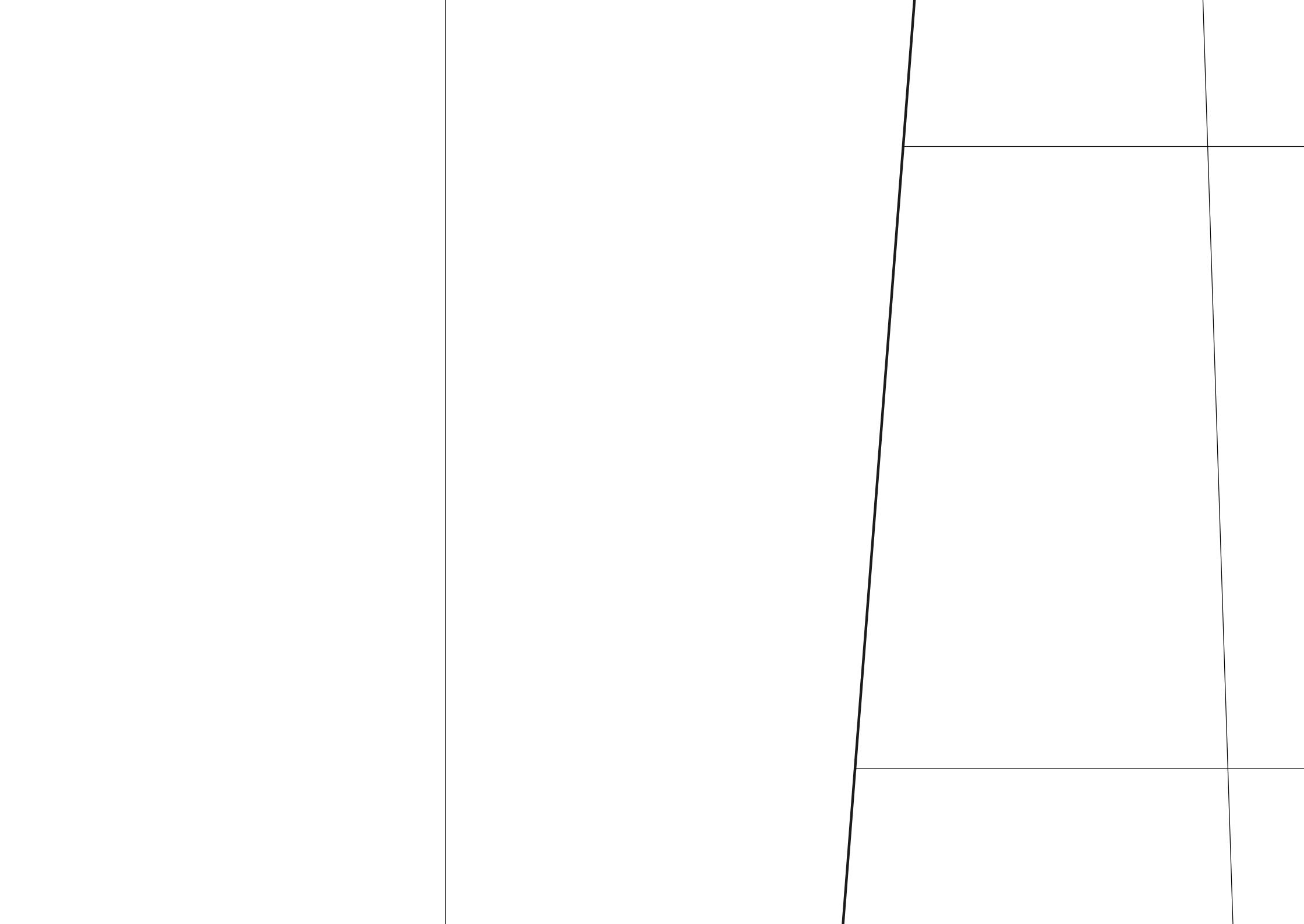
N2↑

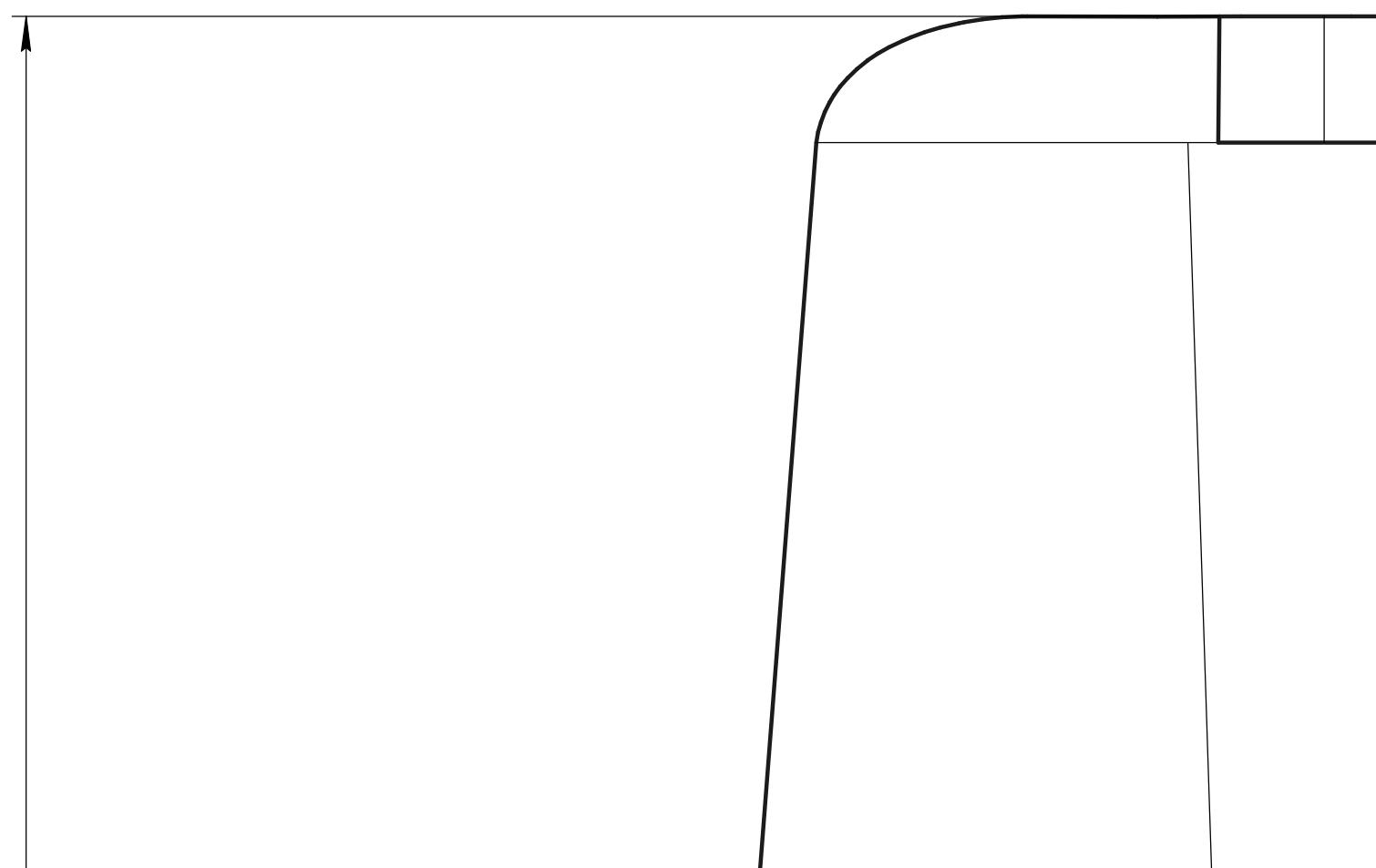
N3↑

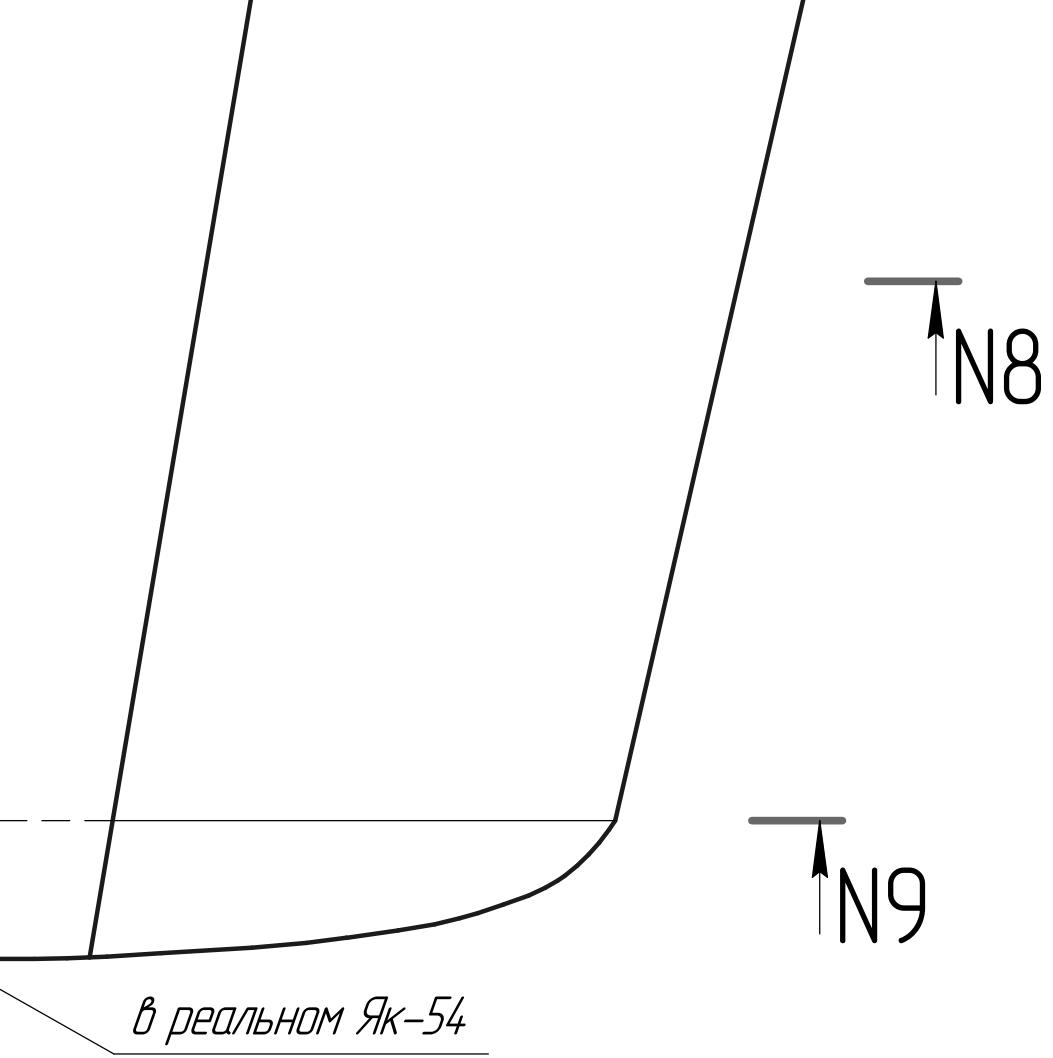
N4↑



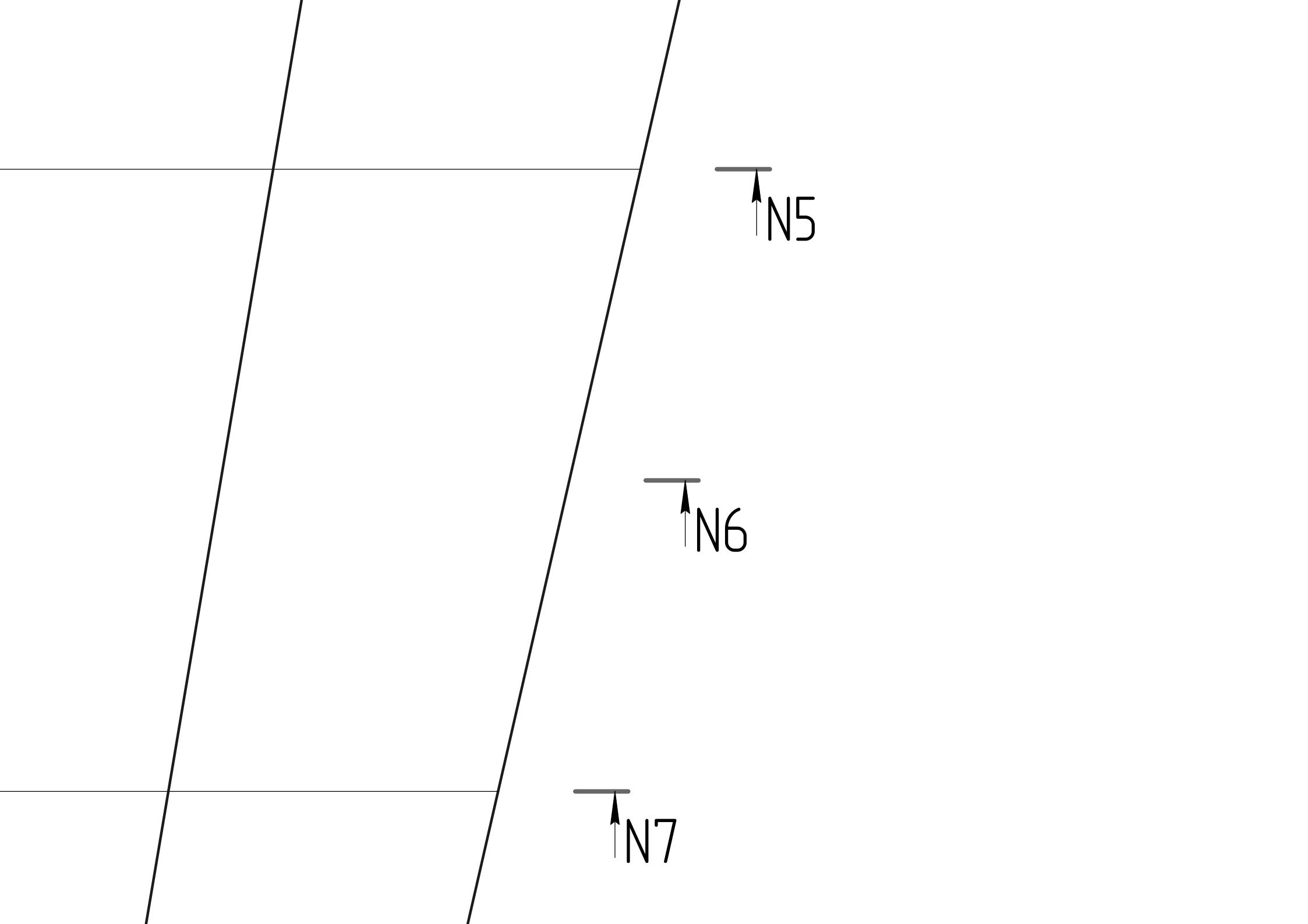








в реальном Як-54



N5

N6

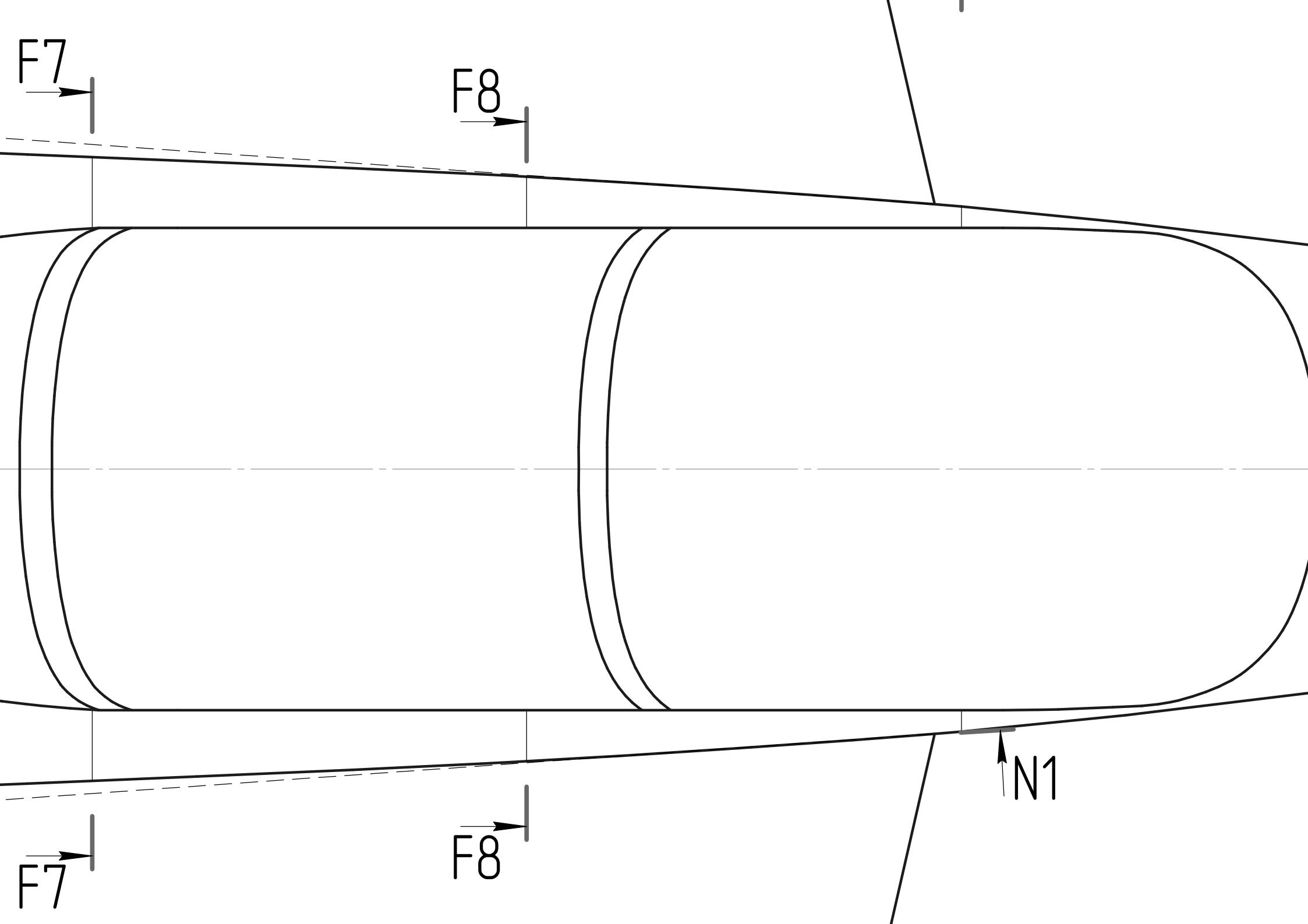
N7

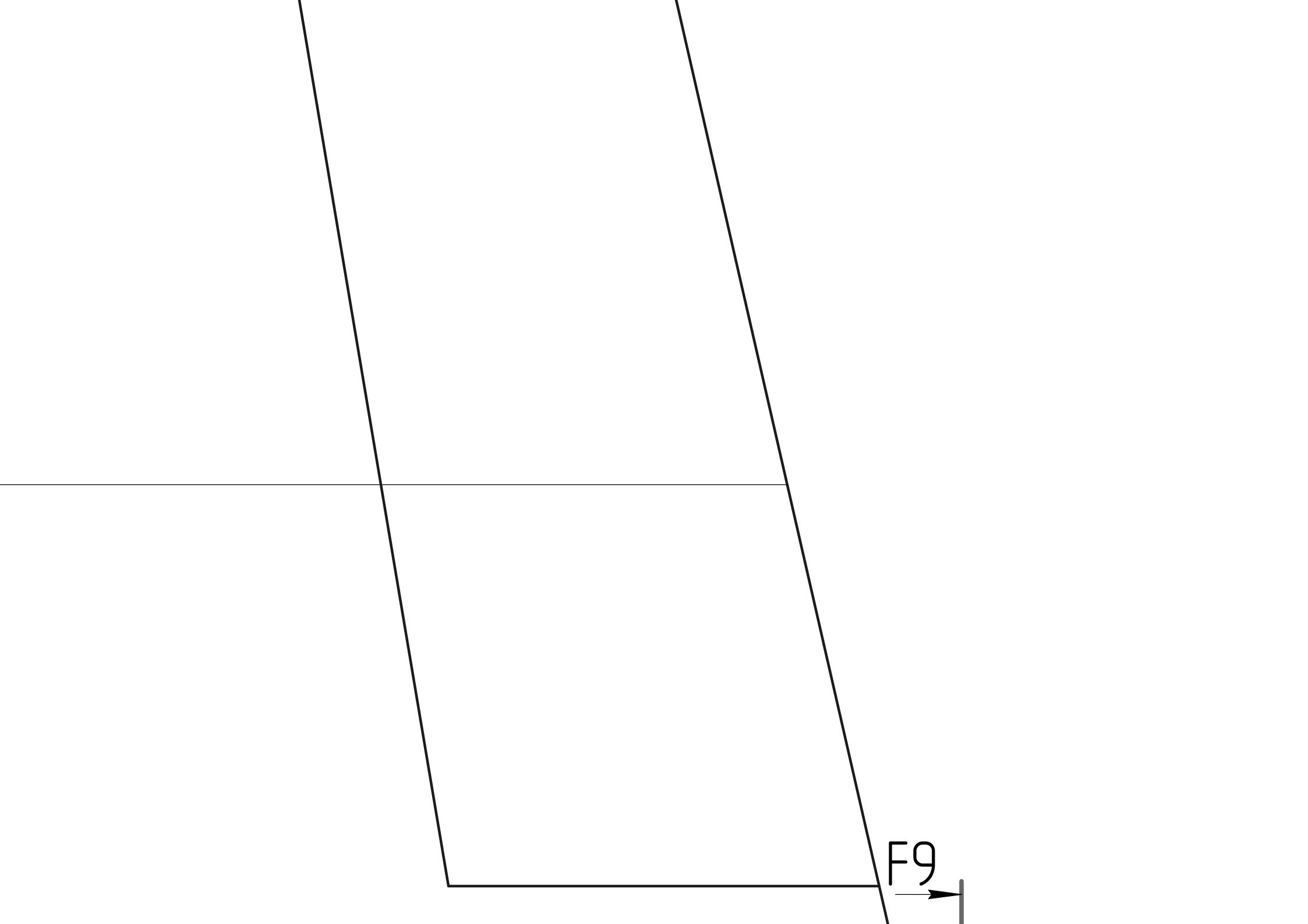
N2

F9

N3

N4

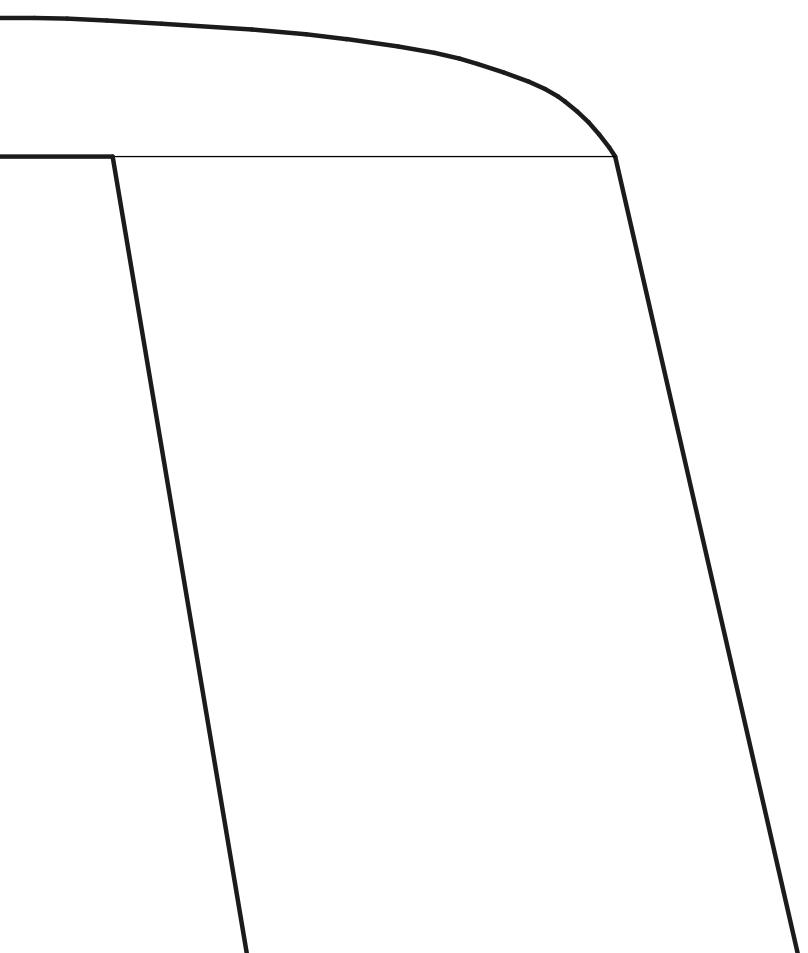


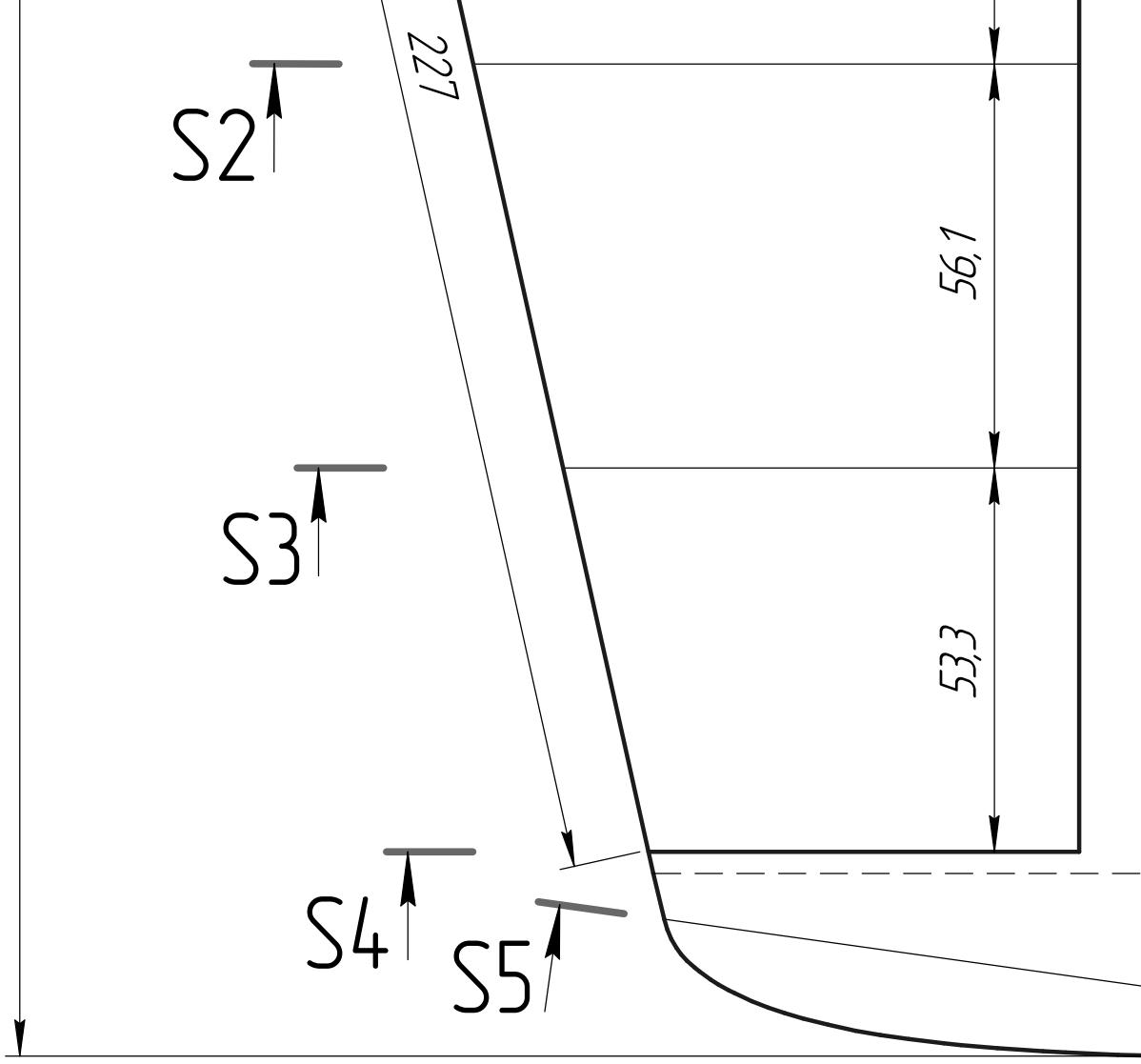


A diagram showing a truss section. A horizontal line extends from the left, ending at a vertical line that slopes down to the right. This vertical line then continues horizontally to the right. A horizontal force vector labeled F_9 is applied at the bottom right corner where the two lines meet. The vector points towards the top-left.

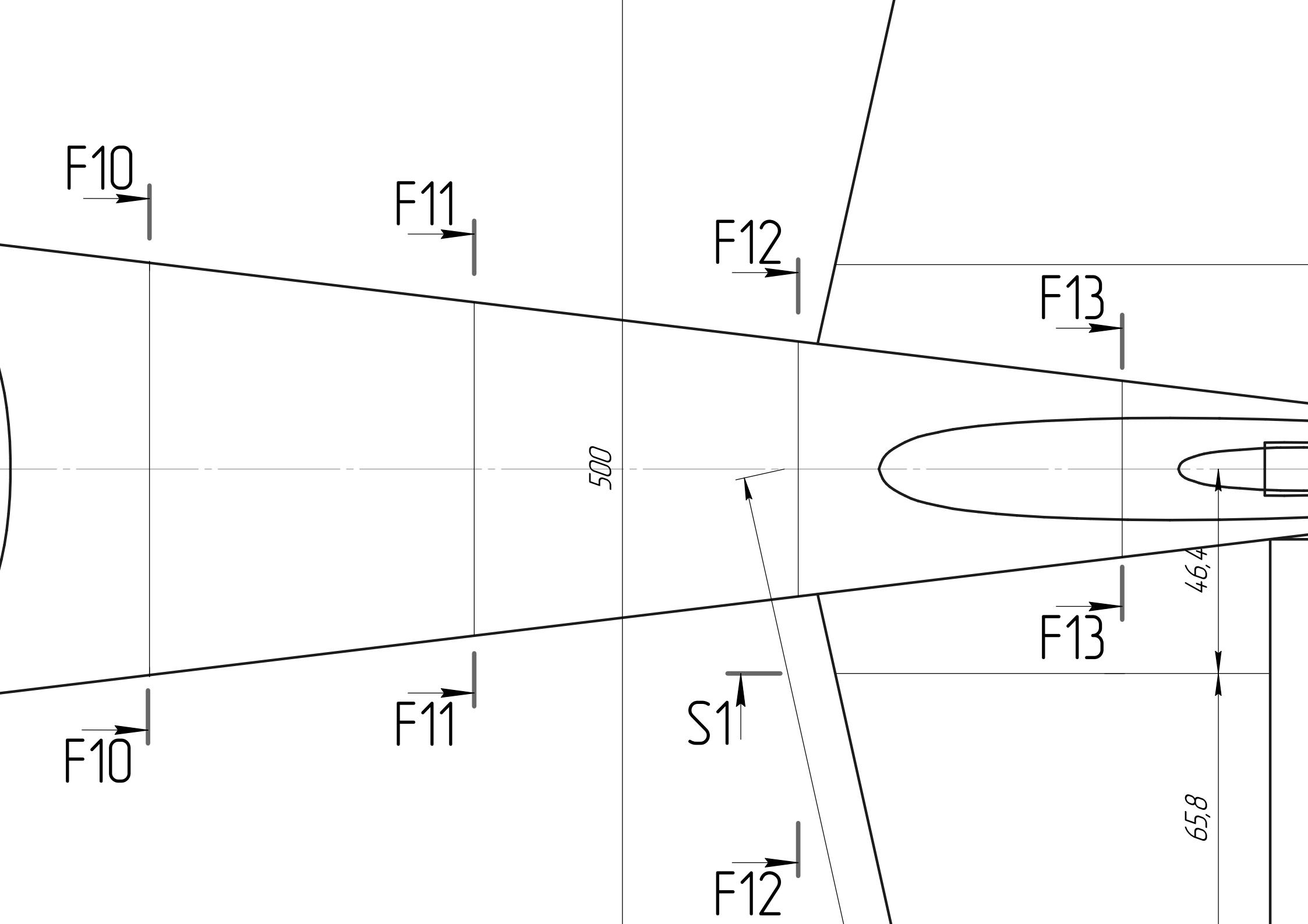
F_9

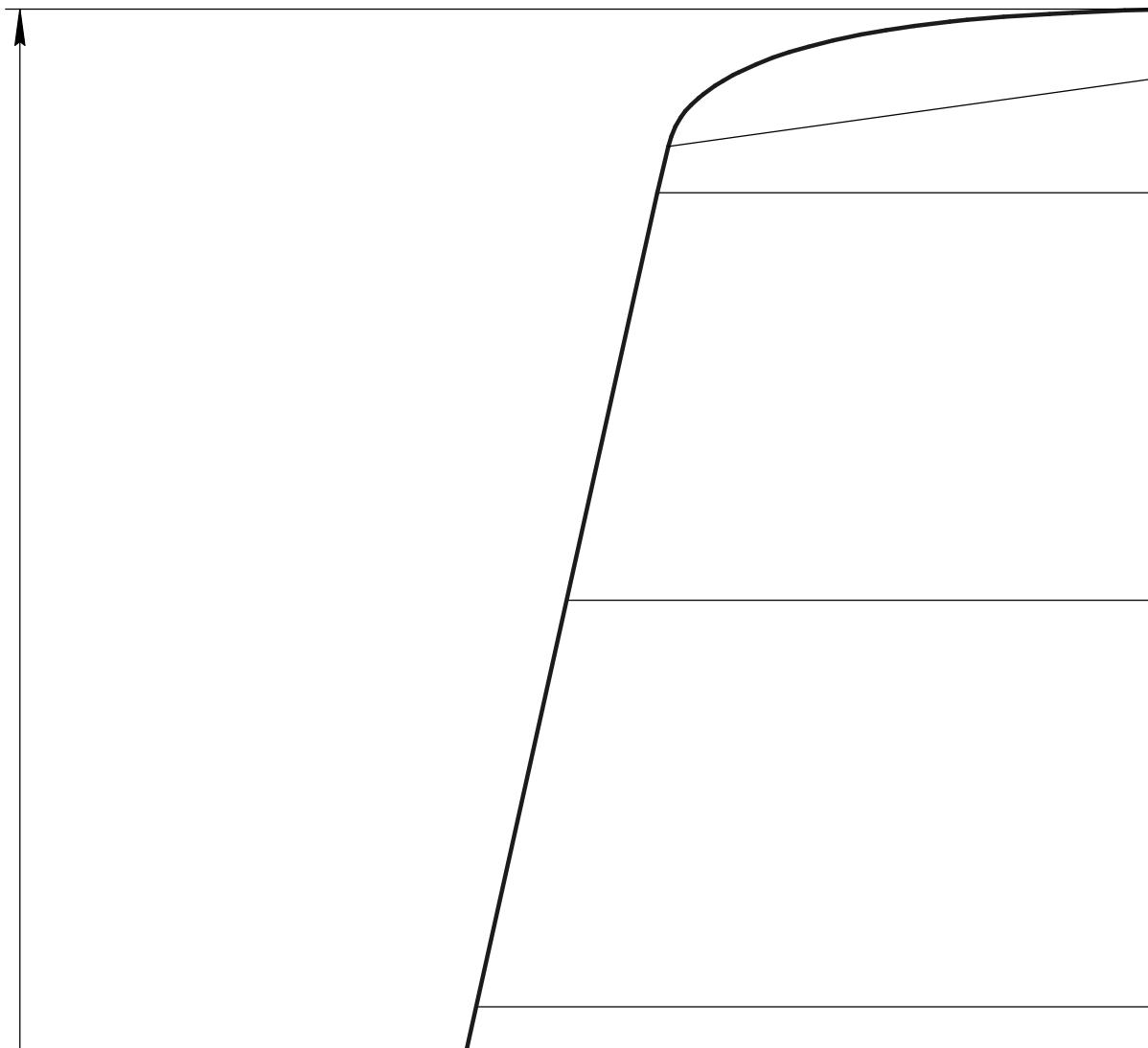






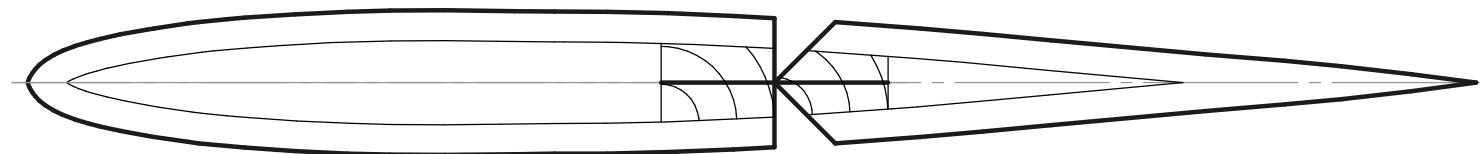
*Примечание: Крепление руля высоты
аналогично креплению руля направления*





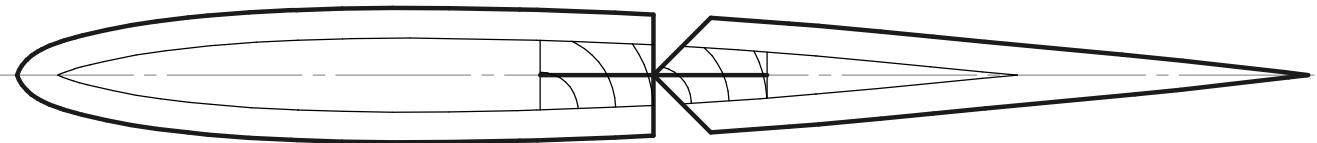
\uparrow
 S_2

S_1-S_1



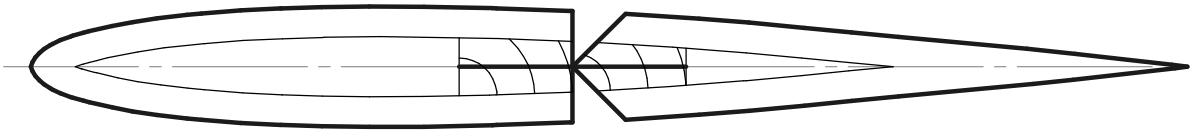
\uparrow
 S_3

S_2-S_2



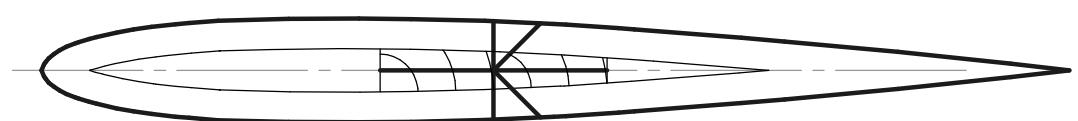
\uparrow
 S_4

S_3-S_3

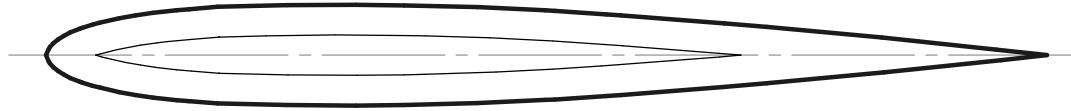


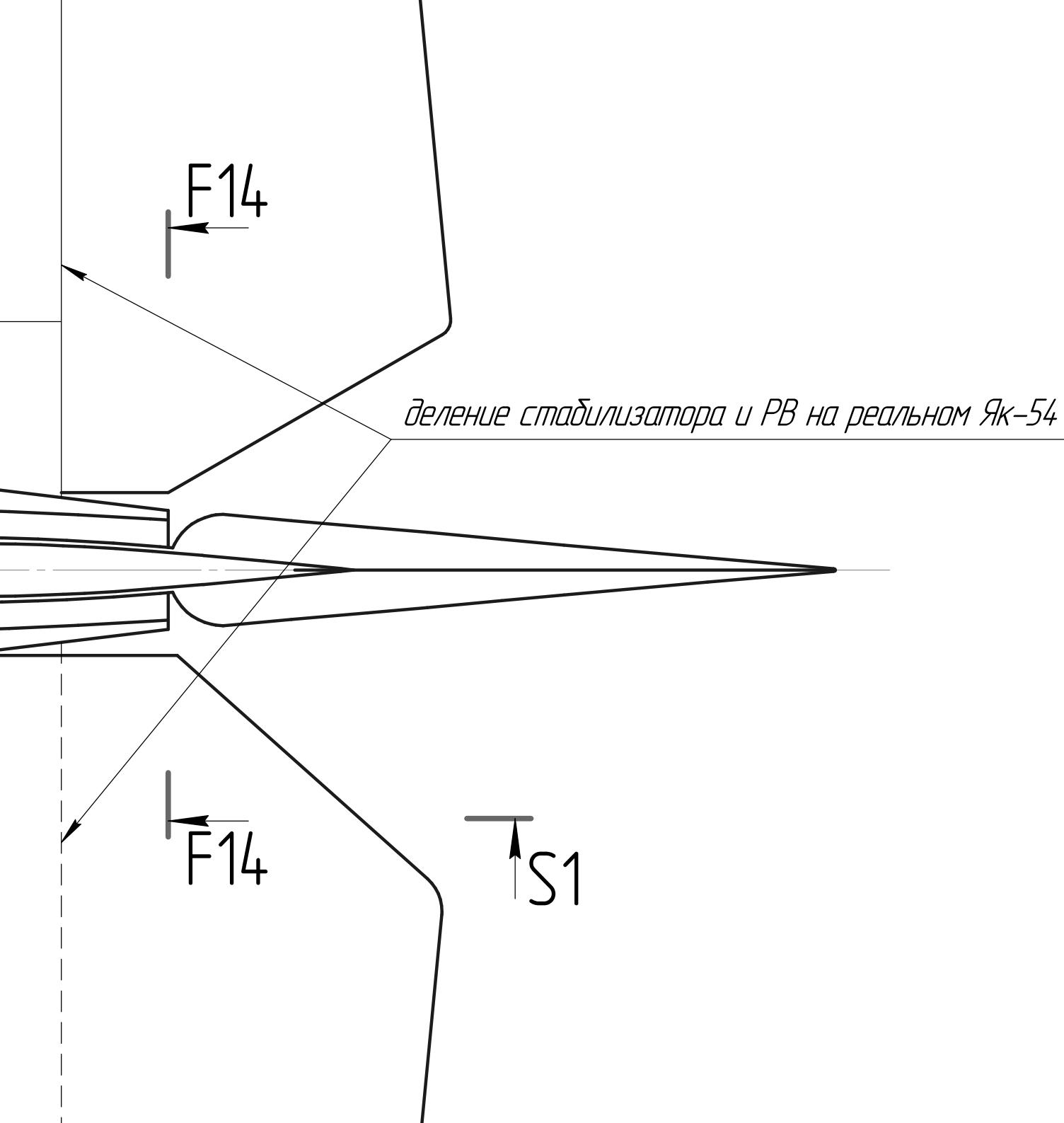
\uparrow
 S_5

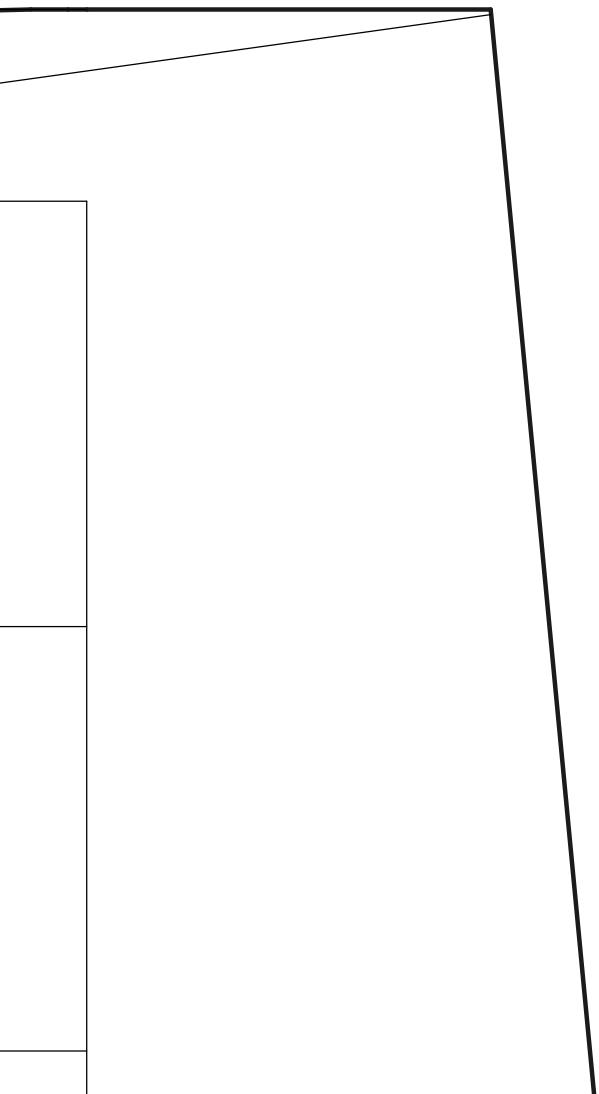
S_4-S_4



S_5-S_5





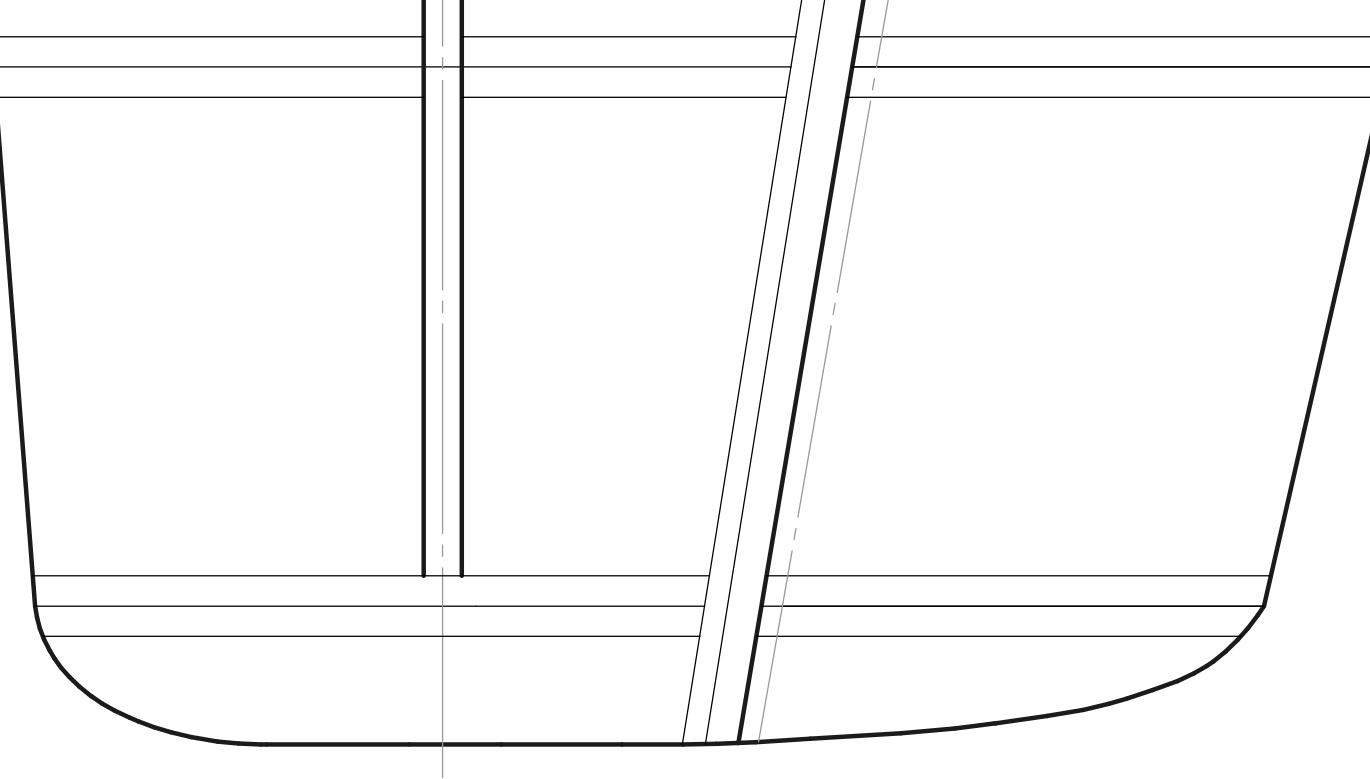


N8↑

N9↑

N8↑

N9↑



N5↑

N6↑

N7↑

N7↑

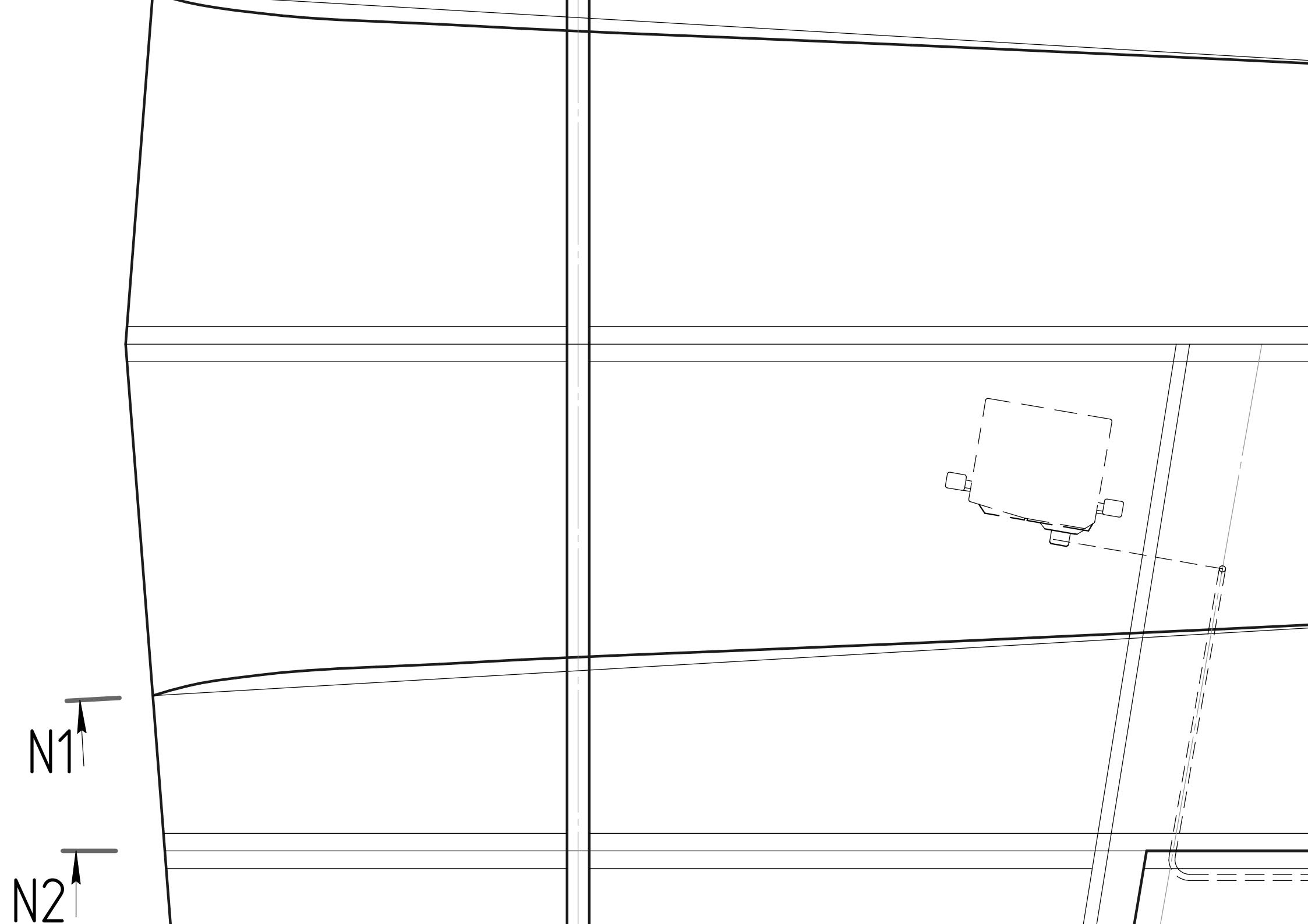
N3

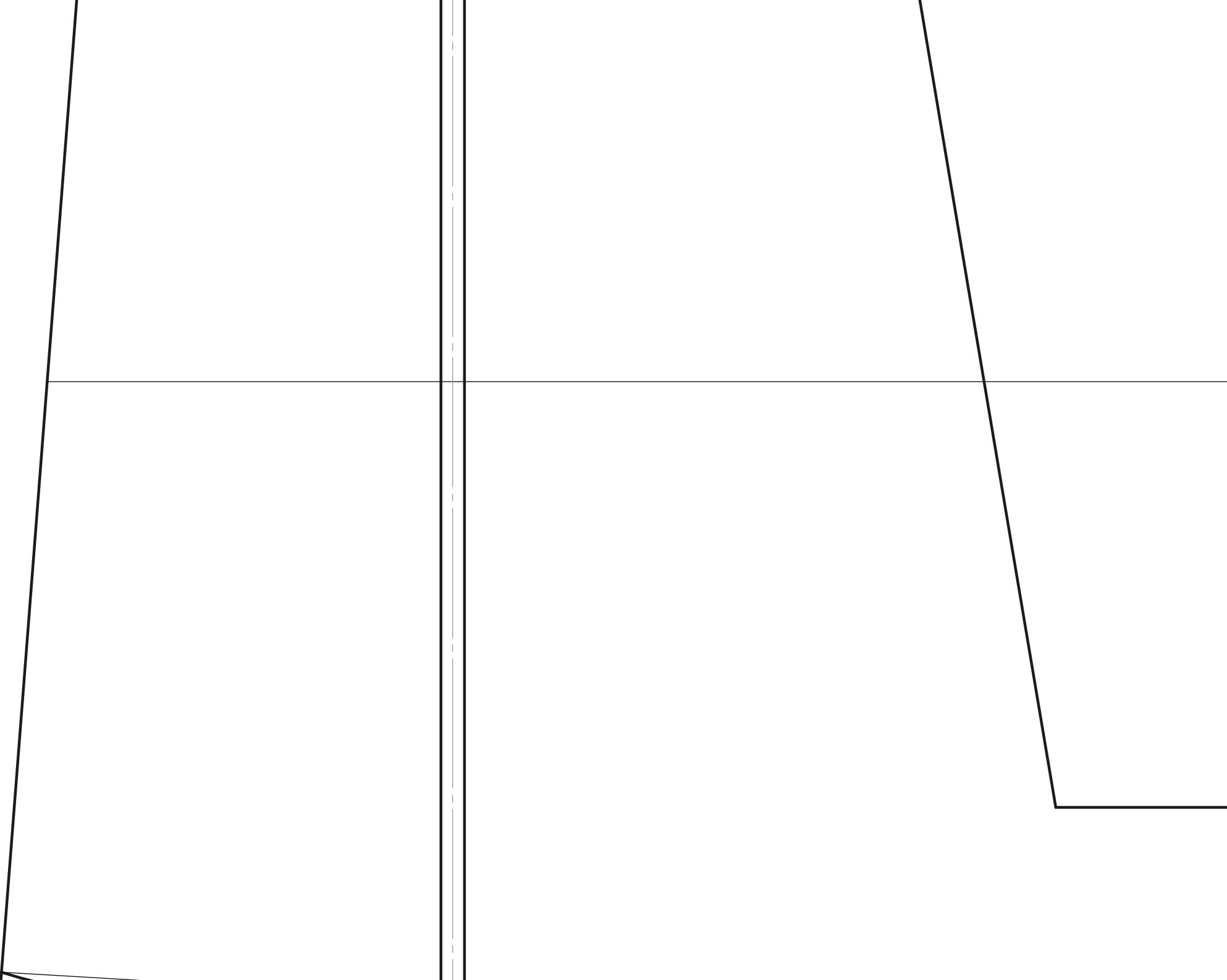
N4

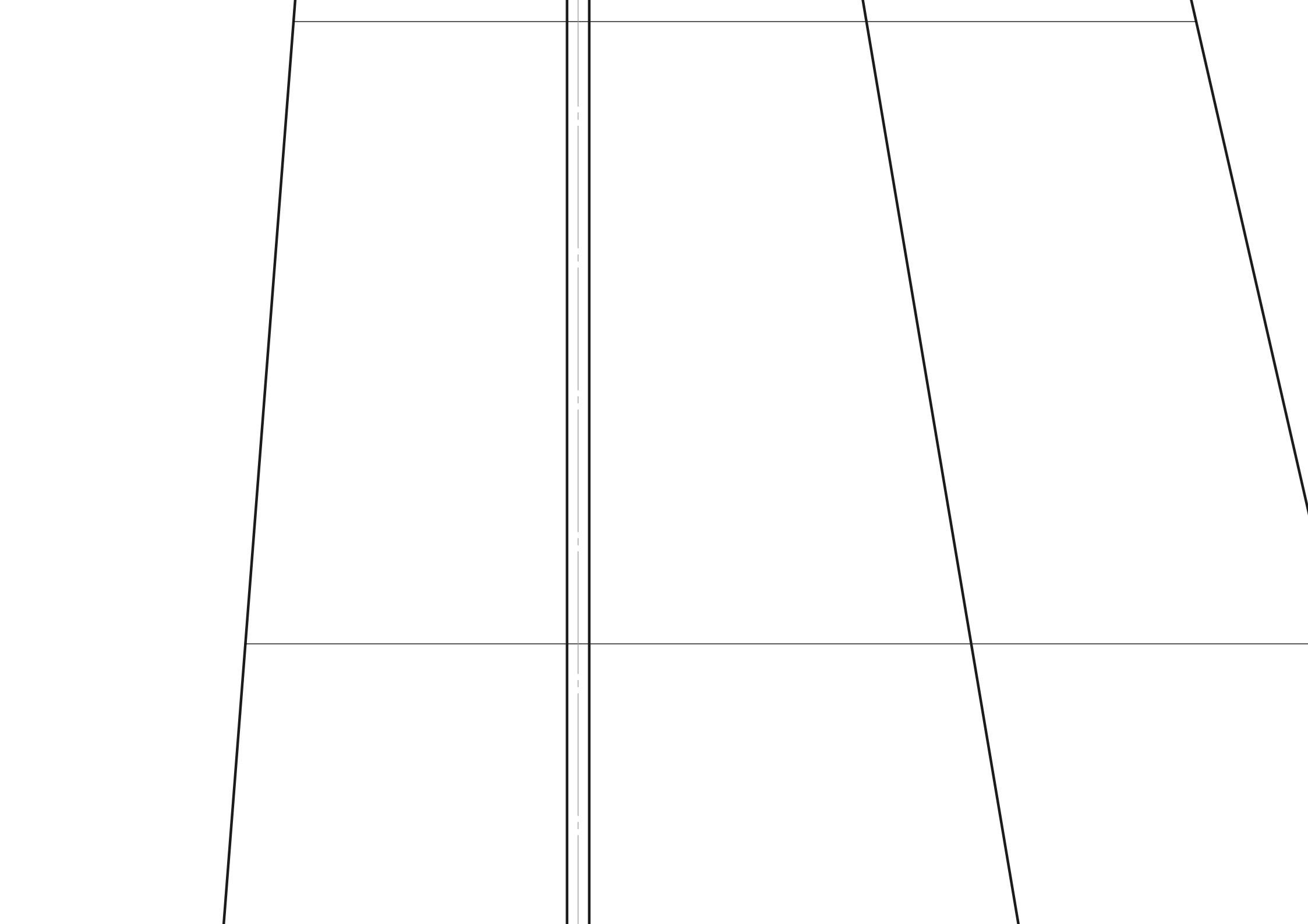
лонжерон

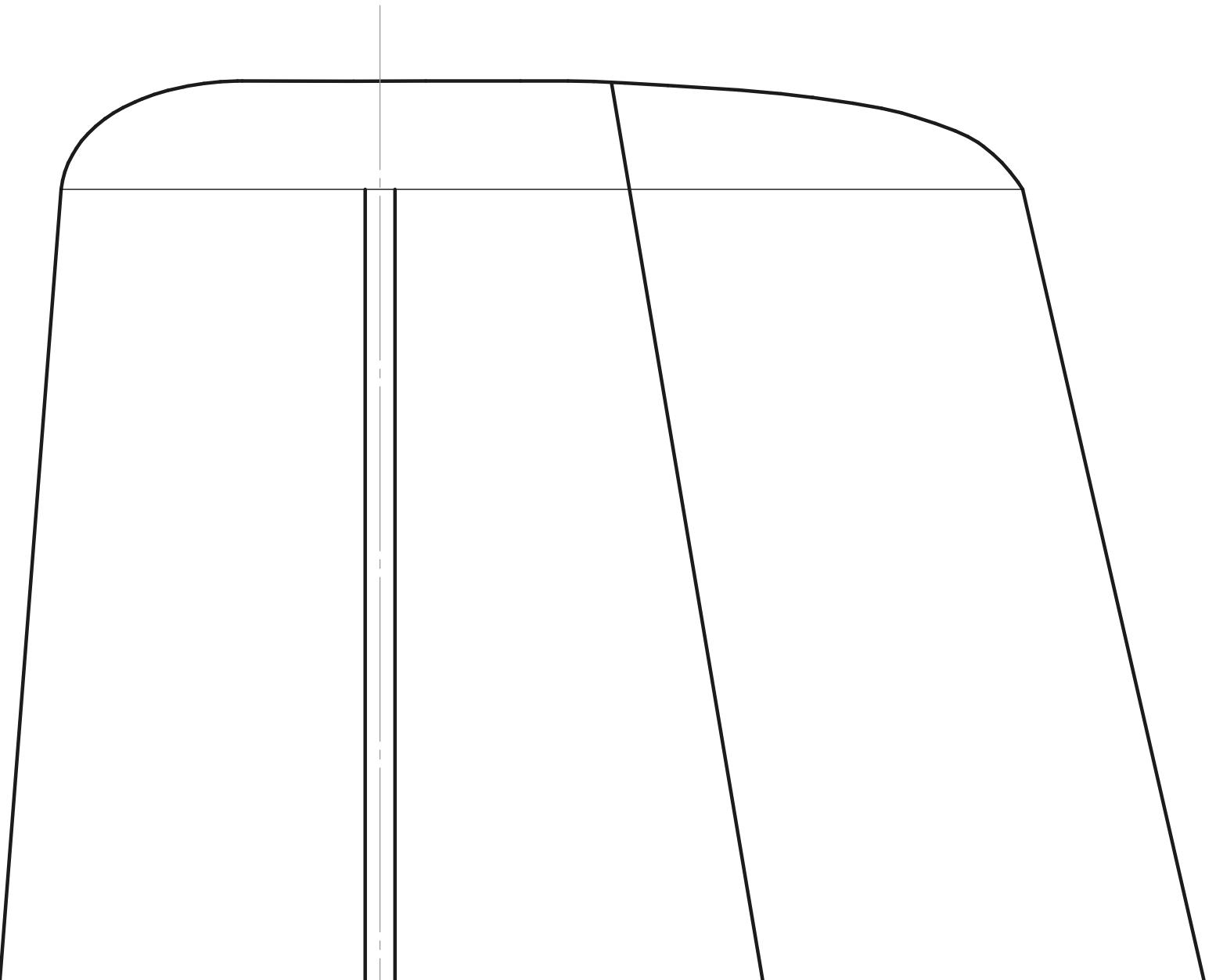
соча $s=5\text{мм}$

далъза $s=3\text{мм}$

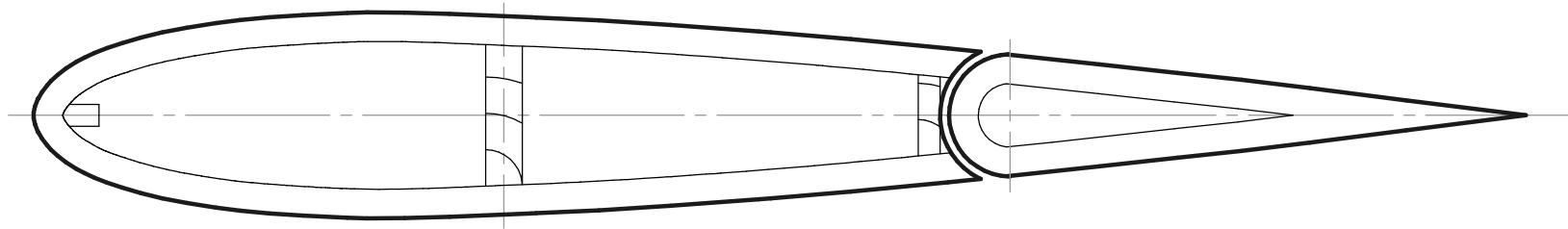




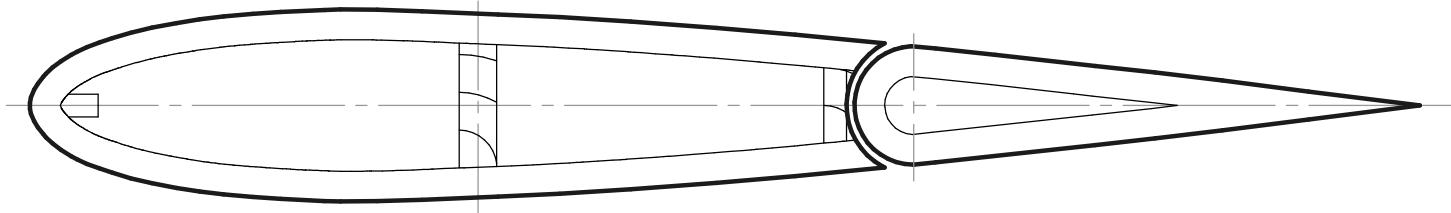




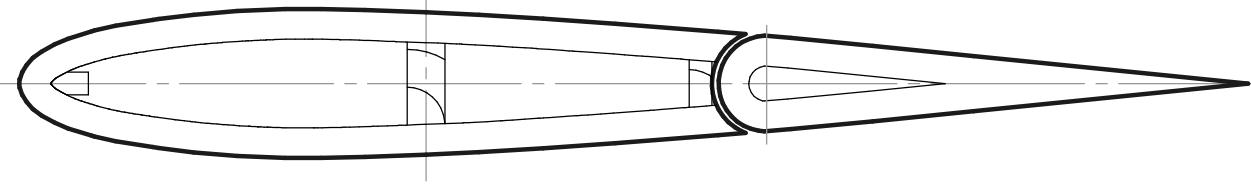
N7-N7



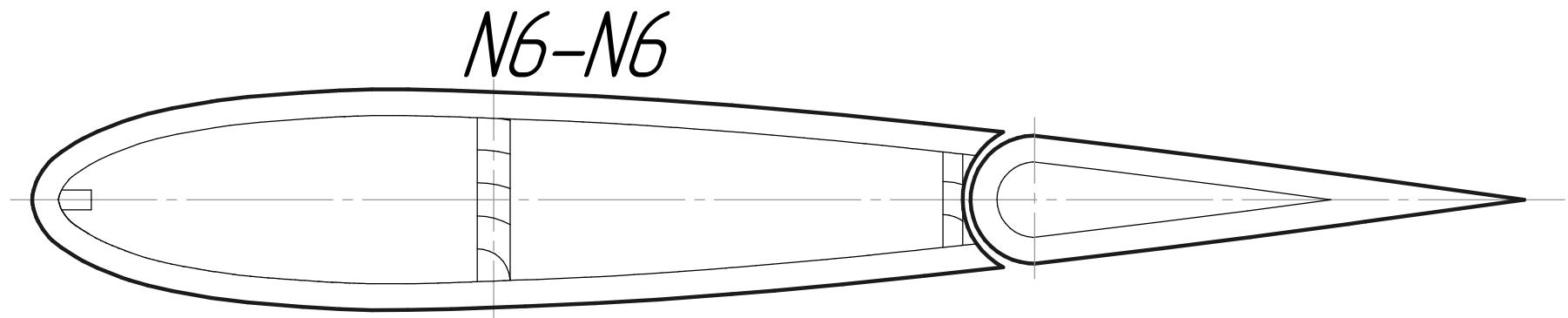
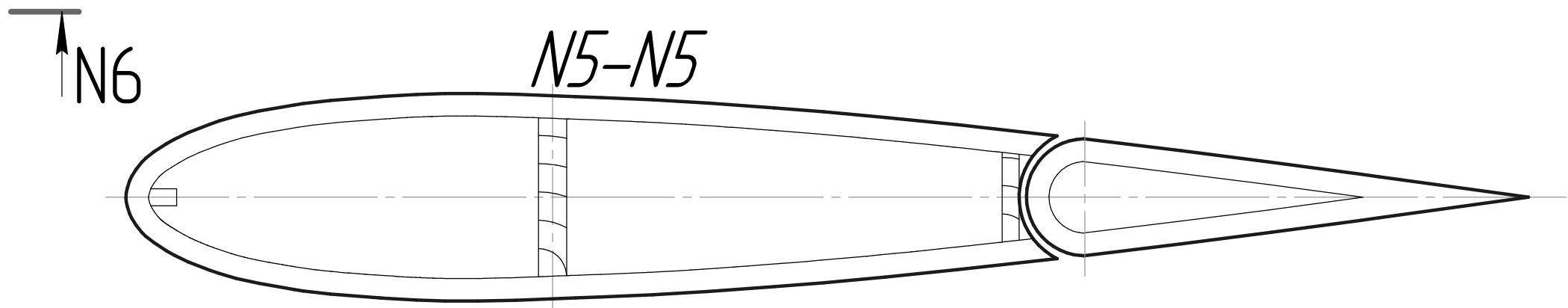
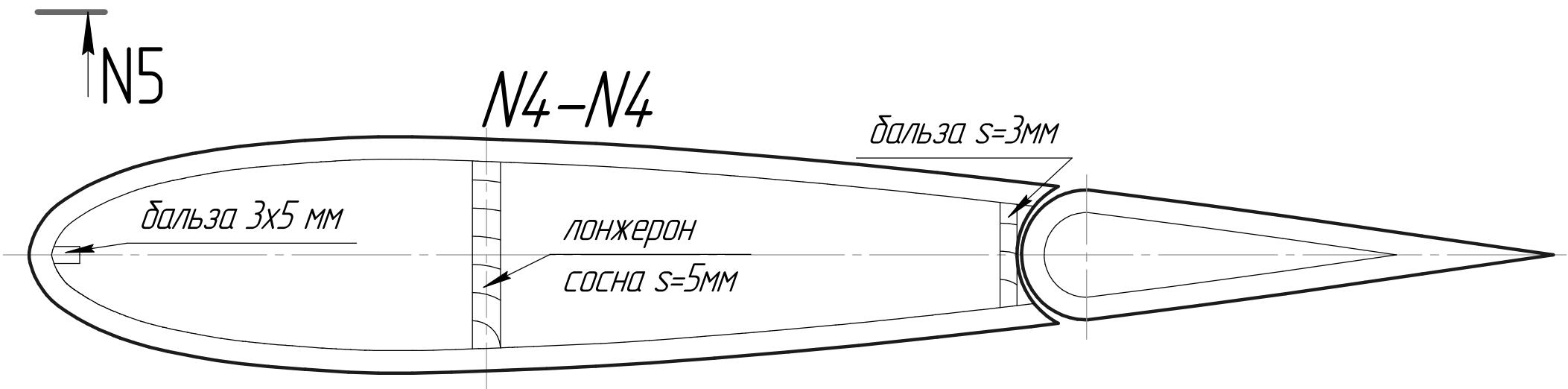
N8-N8



N9-N9



Примечание: Все нервюры крыла, киля и стабилизатора выполнены из склеенной в 2 слоя потолочки $s=4\text{мм}$



N3

N4

A diagram illustrating a vertical wall intersected by a horizontal line. Two normal force vectors, labeled N_1 and N_2 , are shown originating from the wall. Vector N_1 is positioned higher up on the wall, and vector N_2 is positioned lower down. Both vectors point away from the wall, indicating the direction of the normal force.

N1

N2

