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(12) **United States Design Patent**
Motadel

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(54) **AUTOMATED PIPETTE TIP LOADING
DEVICE SET**

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(**) Term: **14 Years**

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Related U.S. Application Data

(63) Continuation-in-part of application No. 29/335,253, filed on Apr. 11, 2009, and a continuation-in-part of application No. 12/422,250, filed on Apr. 11, 2009.

(51) **LOC (9) Cl.** **24-02**

(52) **U.S. Cl.** **D24/227**

(58) **Field of Classification Search** D24/185,
D24/216-232, 127-128; D6/406.1-406.3,
D6/406.6; D3/203.1, 304, 203.3; D19/92;
D32/55; 206/363-370, 223, 443; 211/85.13,
211/126.14, 74, 41.1; 260/438, 557, 560,
260/564; 422/58, 99, 102, 104, 297, 300,
422/560-564, 298, 916, 942, 552-553, 509,
422/65, 400; 433/77, 79; 137/870; 53/142;
73/986.81

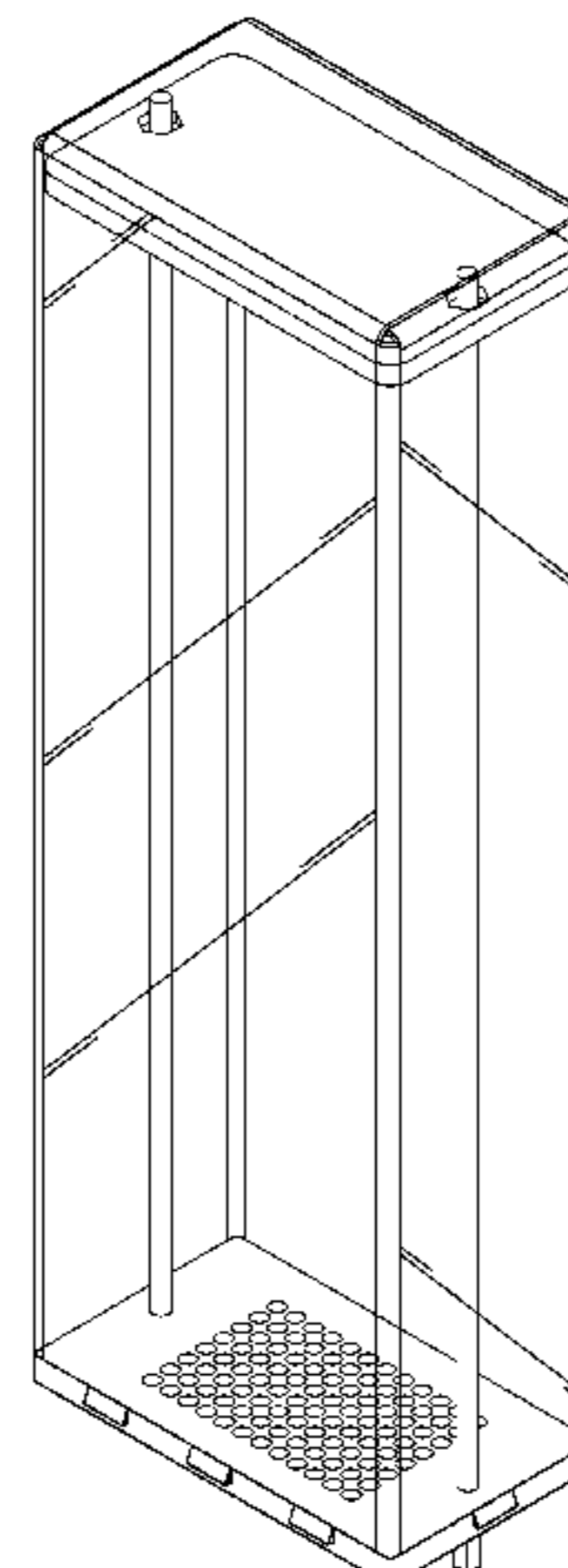
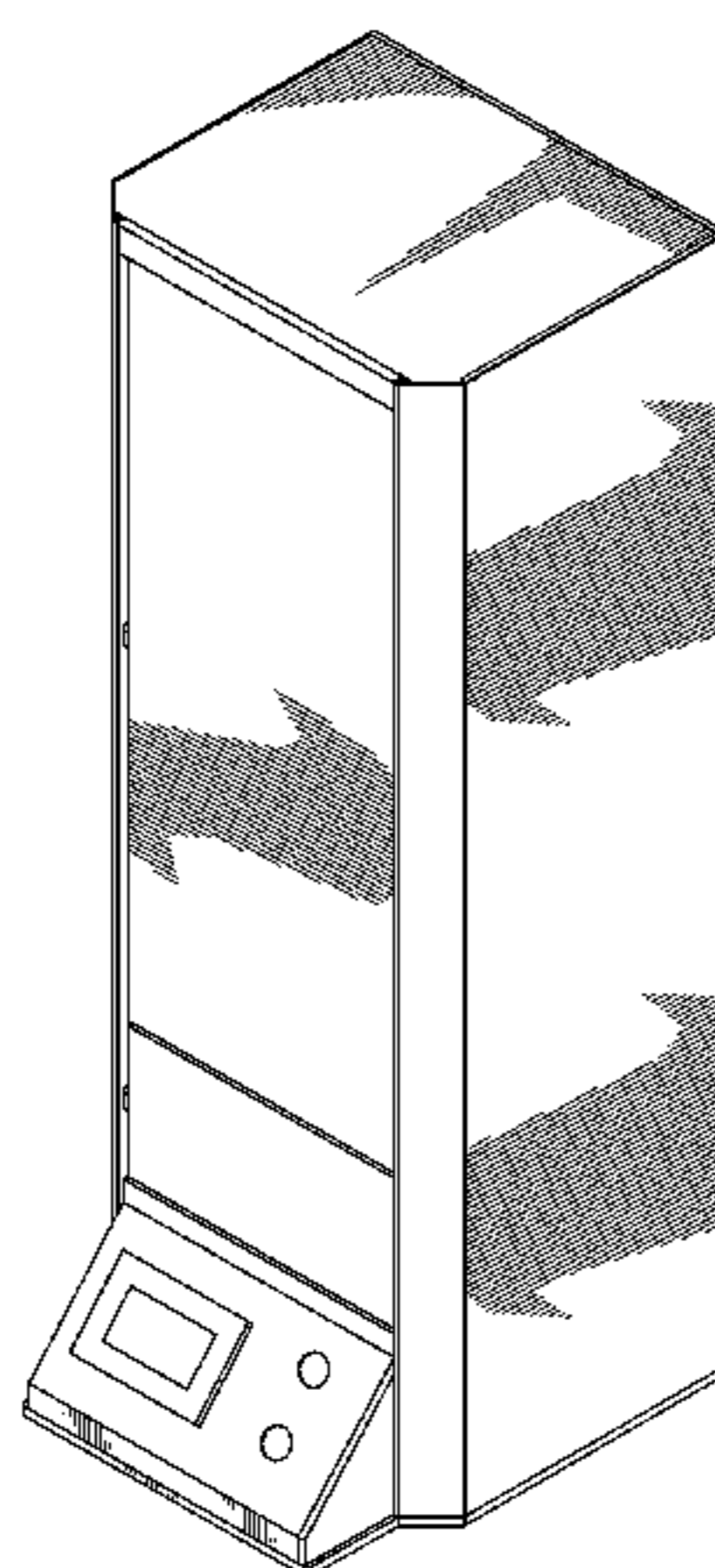
See application file for complete search history.

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(57) CLAIM

The ornamental design for an automated pipette tip loading device set, as shown and described.

DESCRIPTION

FIG. 1 shows a perspective view of a distal barrier plate portion shown separately for clarity of illustration of an automated pipette tip loading device set showing my new design; FIG. 2 shows a width side view thereof; FIG. 3 shows a top view thereof; FIG. 4 shows a length side view thereof; FIG. 5 shows a bottom view thereof; FIG. 6 shows a perspective view of an activator plate portion shown separately for clarity of illustration of an automated pipette tip loading device set; FIG. 7 shows a width side view of thereof; FIG. 8 shows a top view thereof; FIG. 9 shows a length side view thereof; FIG. 10 shows a bottom view thereof; FIG. 11 shows a perspective view of a first cartridge embodiment with an opaque sleeve without pipette tips portion, shown separately for clarity of illustration of an automated pipette tip loading device set; FIG. 12 shows a front thereof; FIG. 13 shows a rear view thereof; FIG. 14 shows a right side view thereof; FIG. 15 shows a left side view thereof; FIG. 16 shows a top view thereof; FIG. 17 shows a bottom view thereof; FIG. 18 shows a perspective view of the automated pipette tip handling device housing unit shown separately for clarity of illustration of an automated pipette tip loading device set showing my new design; FIG. 19 shows a front thereof; FIG. 20 shows a rear view thereof; FIG. 21 shows a right side view thereof; FIG. 22 shows a left side view thereof; FIG. 23 shows a top view thereof; FIG. 24 shows a bottom view thereof; FIG. 25 shows a perspective view of a second cartridge embodiment with a transparent sleeve without pipette tips portion shown separately for clarity of illustration of an automated pipette tip loading device set. The distal barrier plate portion and the activator plate portion seen in FIGS. 1-5 and 6-10 respectively are shown in their assembled position. FIG. 26 shows a front view thereof; FIG. 27 shows a rear view thereof; FIG. 28 shows a right side view thereof; FIG. 29 shows a left side view thereof; FIG. 30 shows a top thereof; FIG. 31 shows a bottom view thereof; and, FIG. 32 shows a front view of the second cartridge portion with a transparent sleeve loaded with a nested array of regularly spaced pipette tips between a top activator plate and a bottom distal barrier plate. The broken lines are included for the purpose of illustrating portions of the automated pipette tip loading device set that form no part of the claimed design.

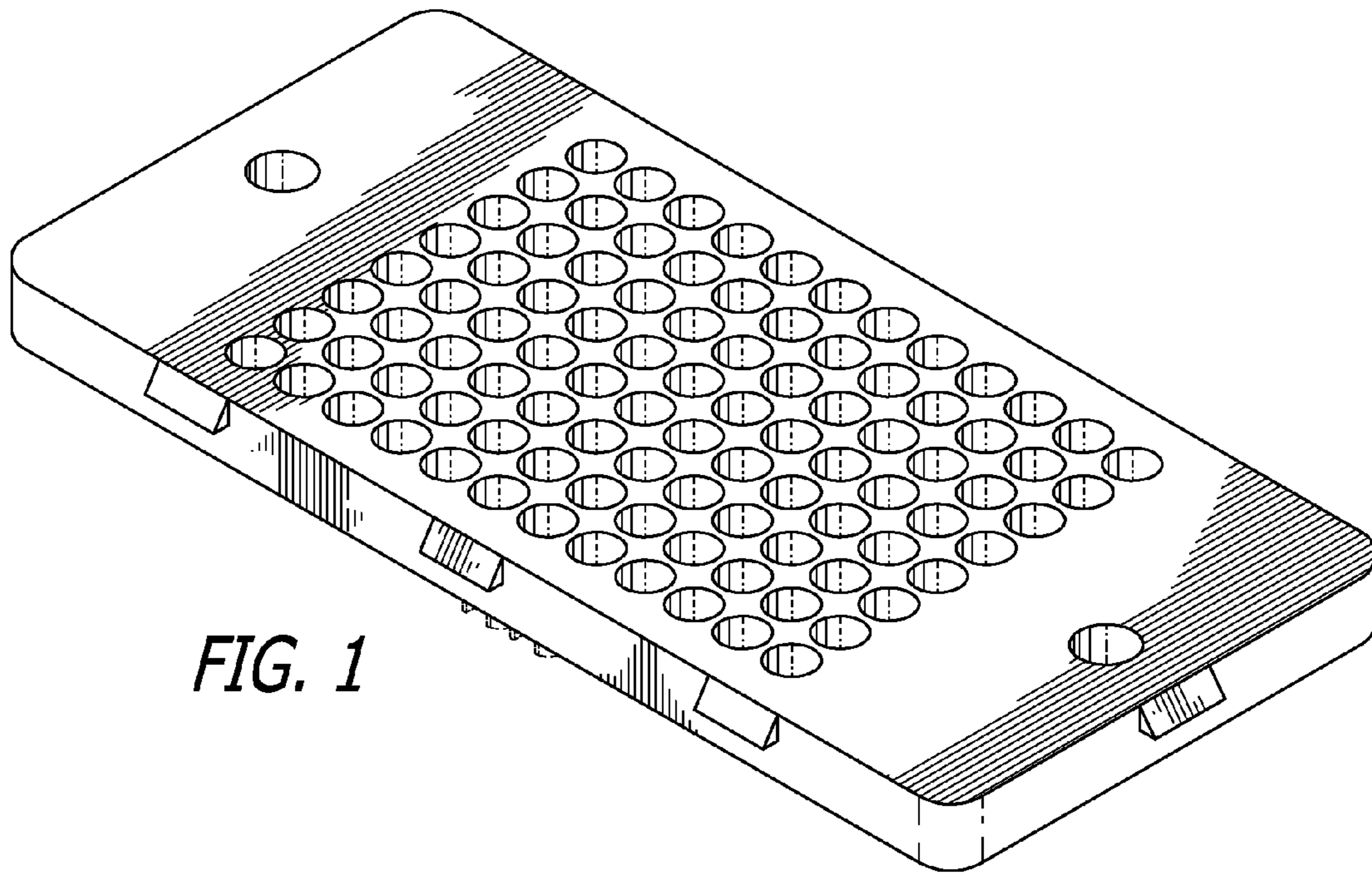


FIG. 1

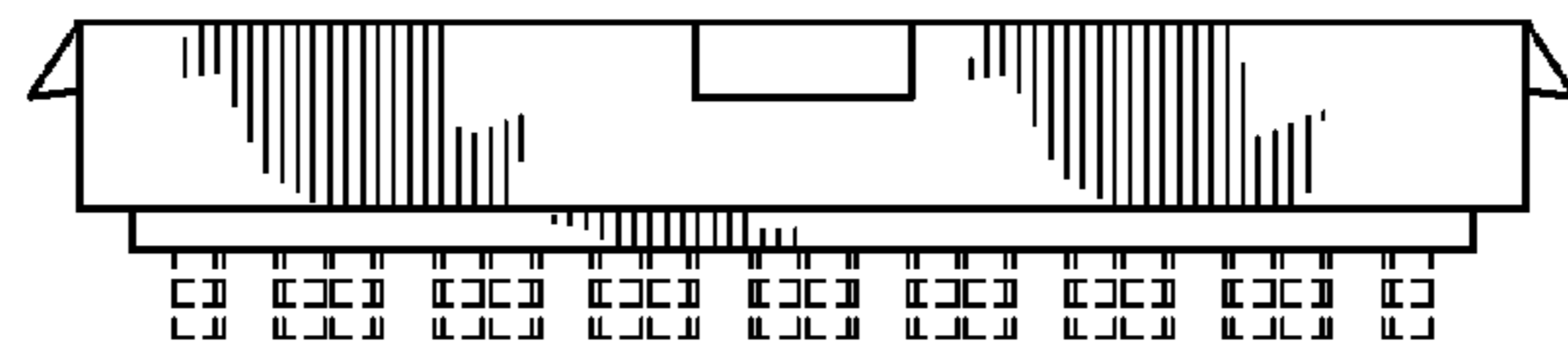


FIG. 2

FIG. 3

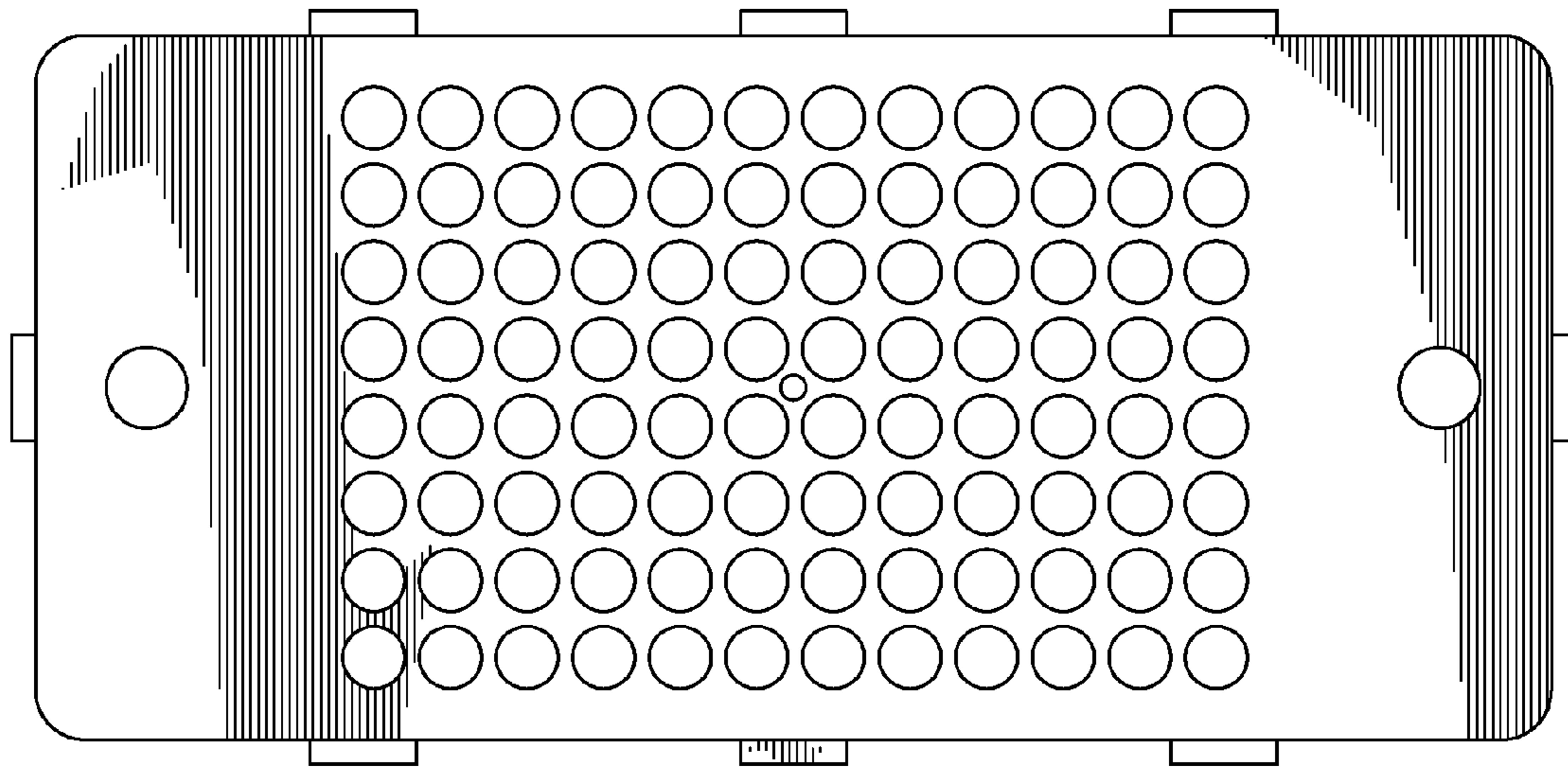


FIG. 4

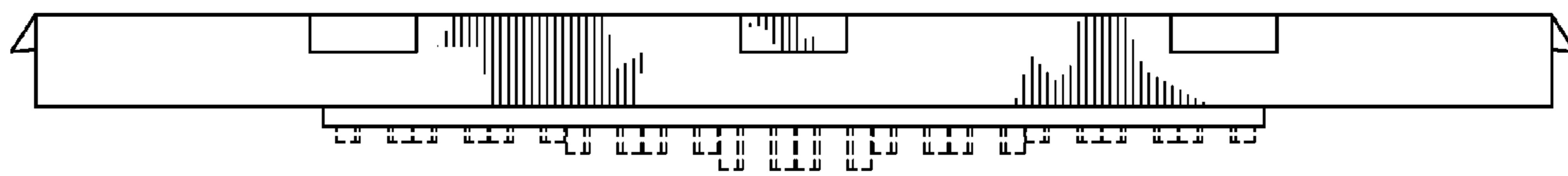
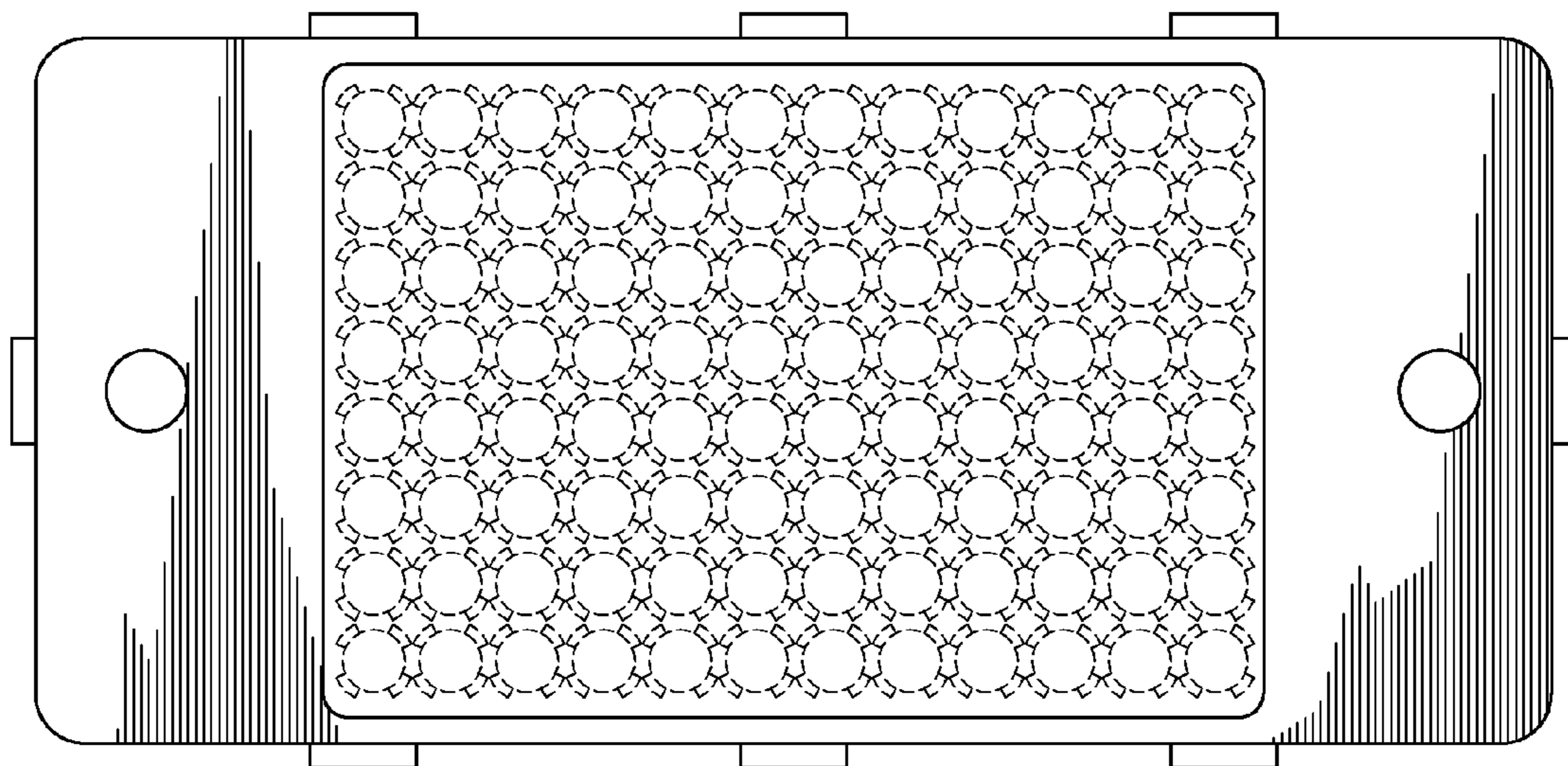


FIG. 5



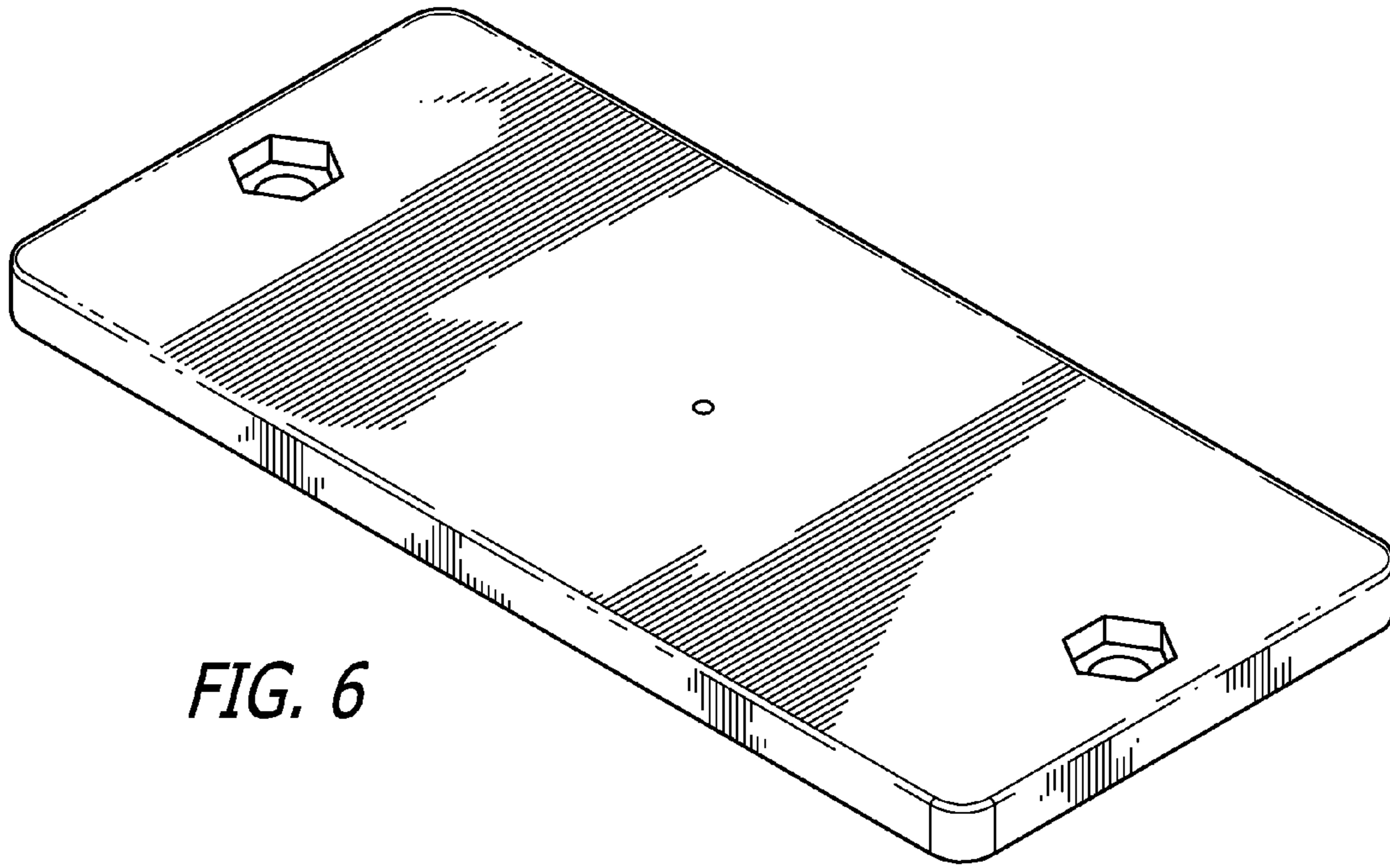


FIG. 6

FIG. 7



FIG. 8

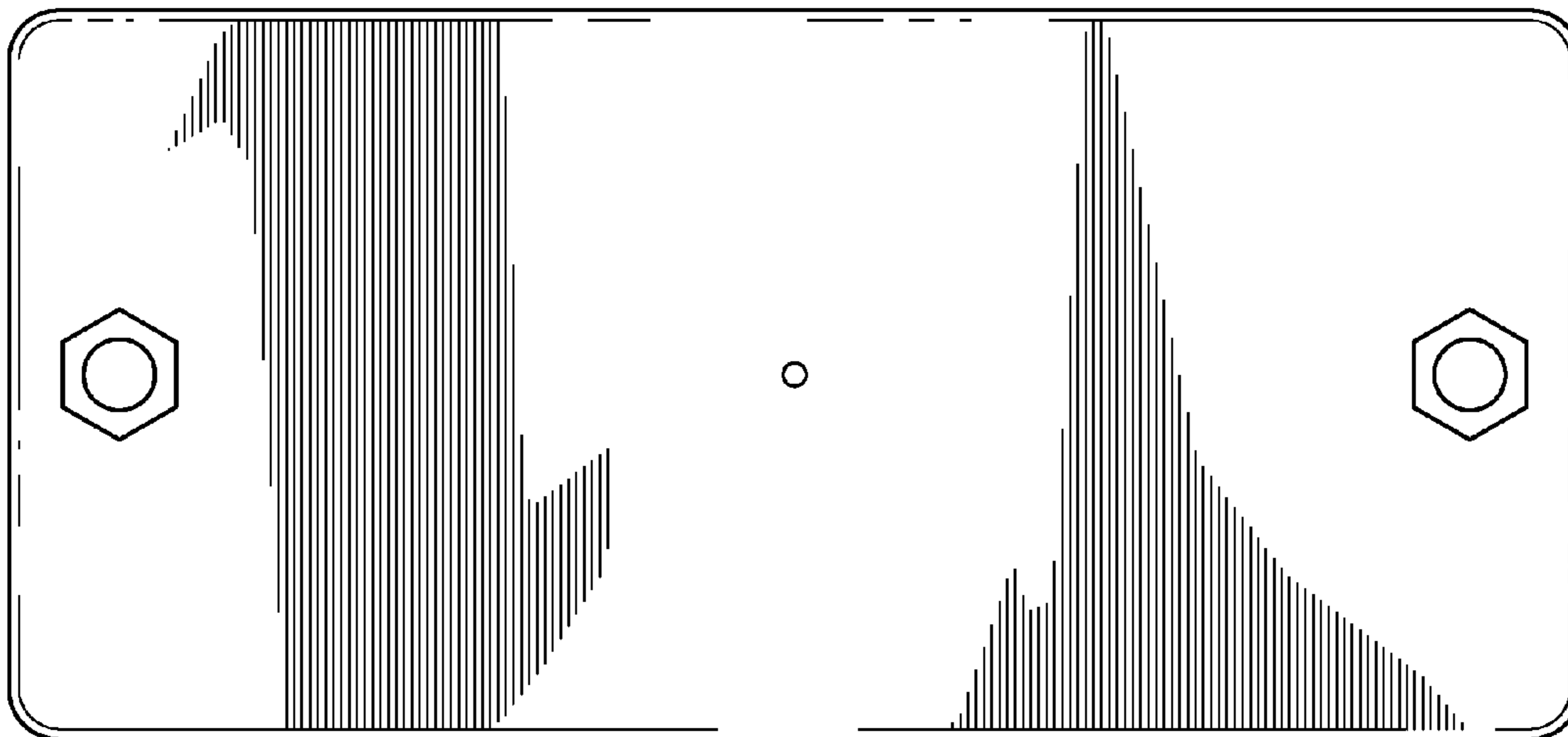


FIG. 9

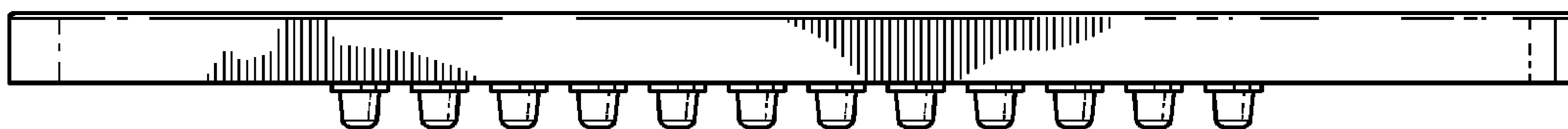
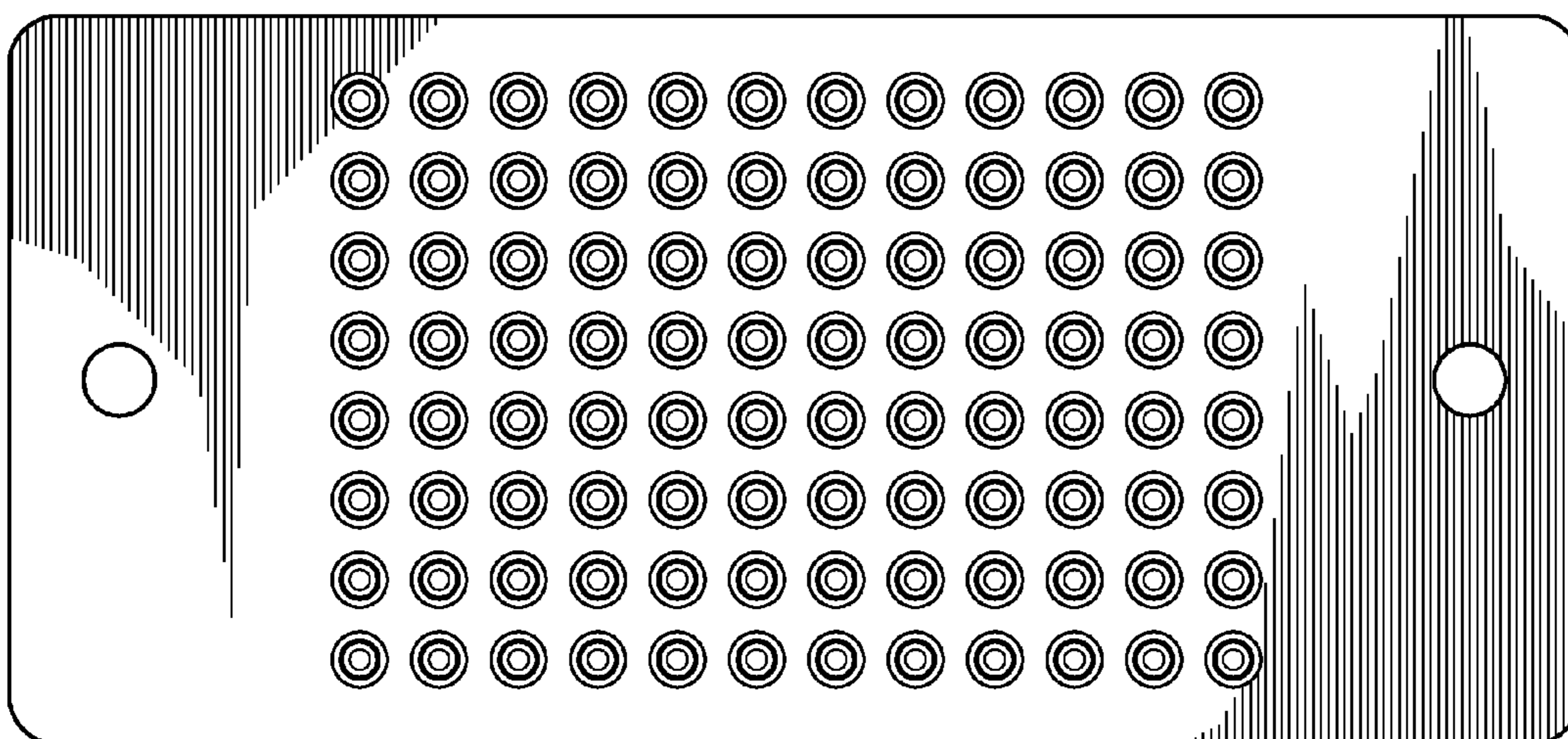


FIG. 10



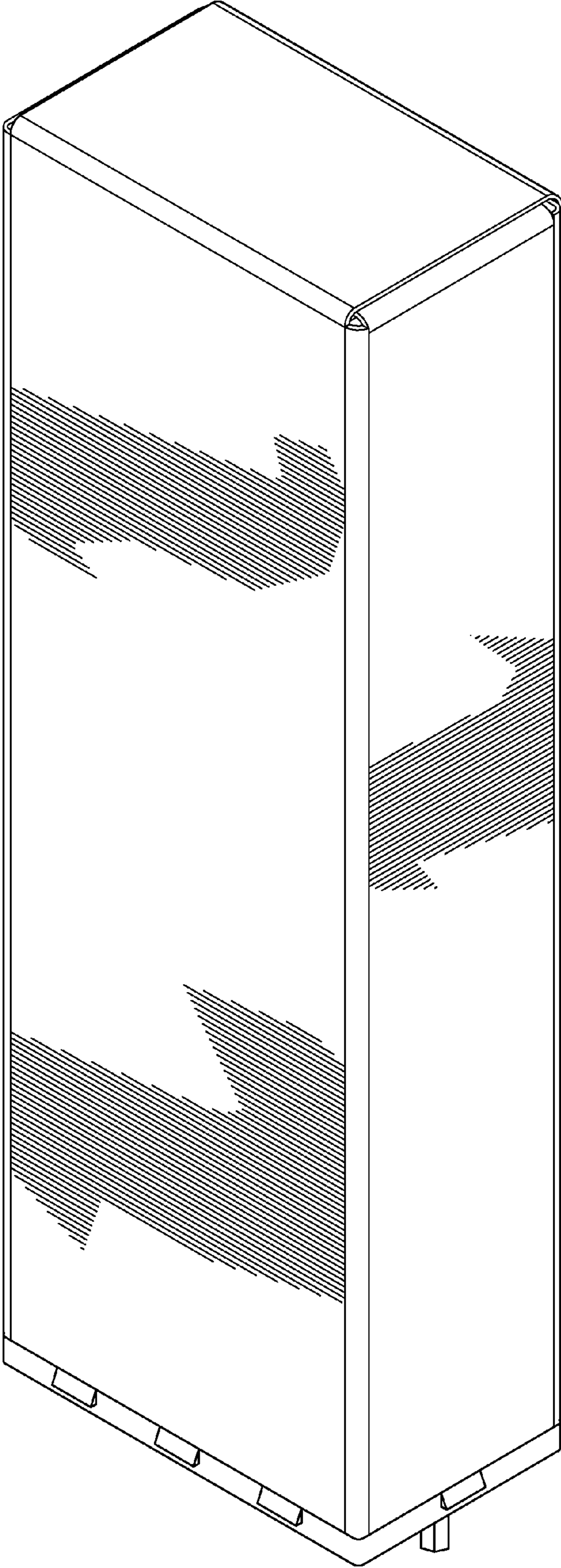


FIG. 11

FIG. 12

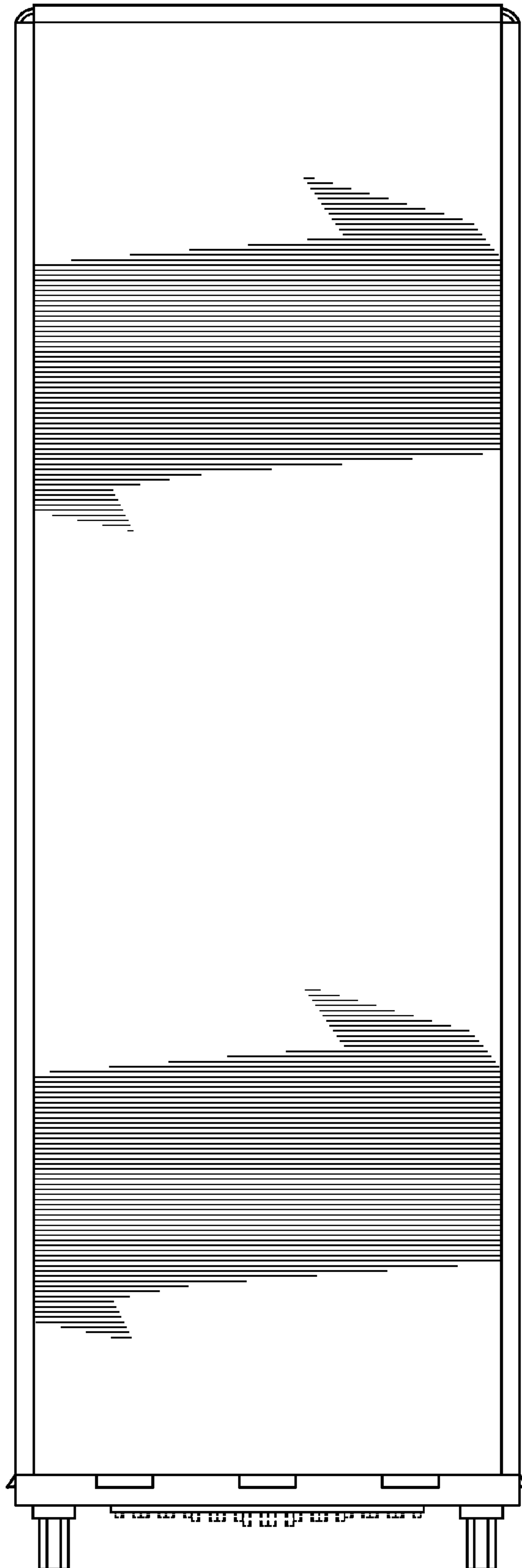
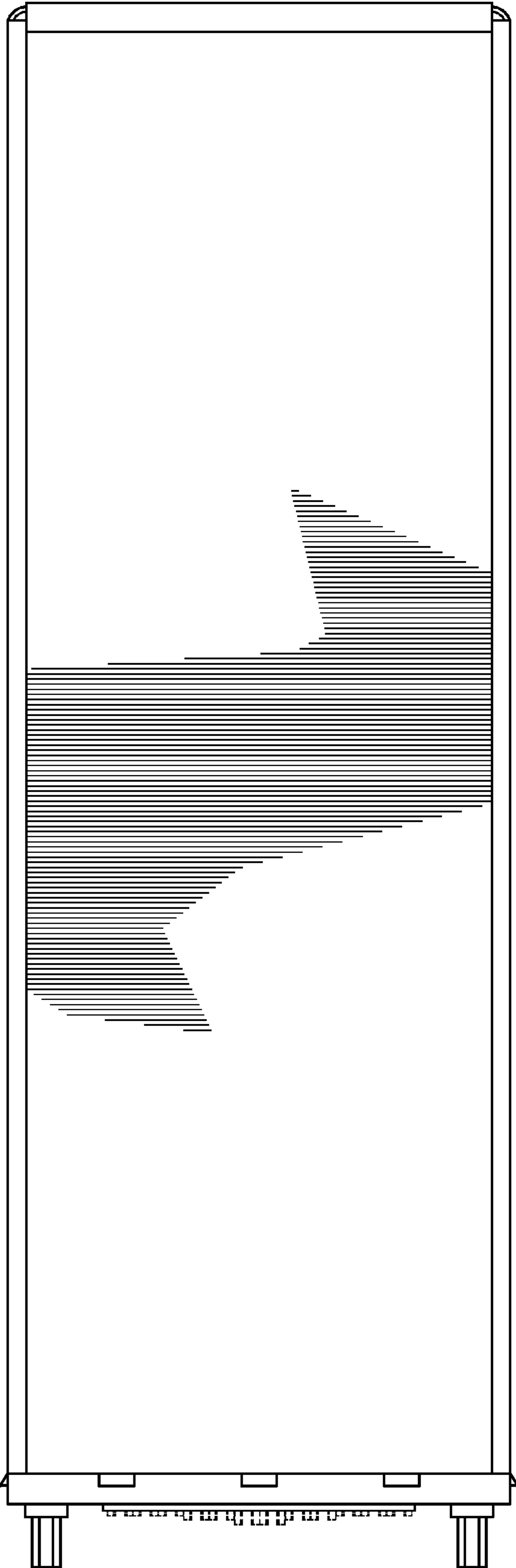


FIG. 13



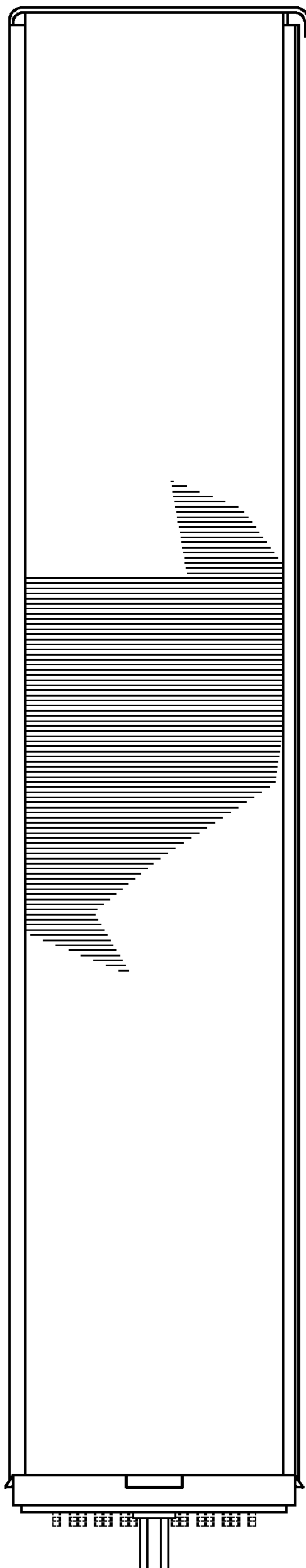


FIG. 14

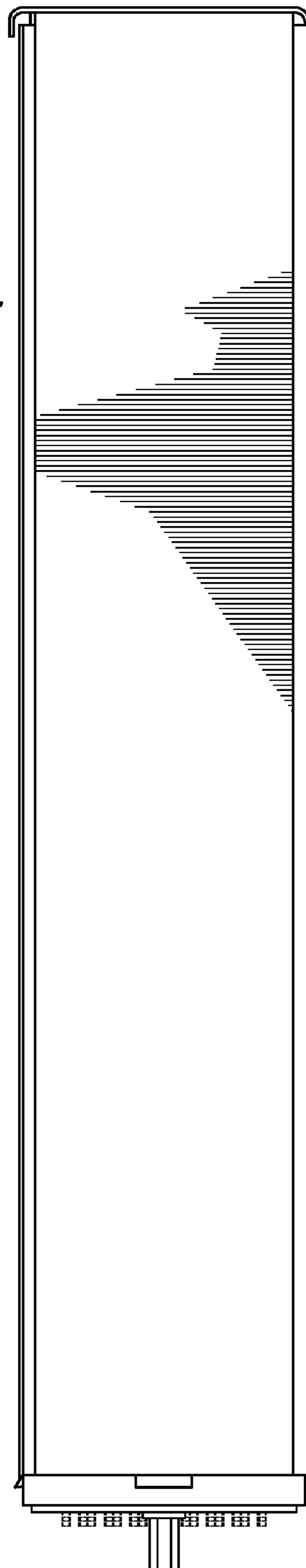


FIG. 15

FIG. 16

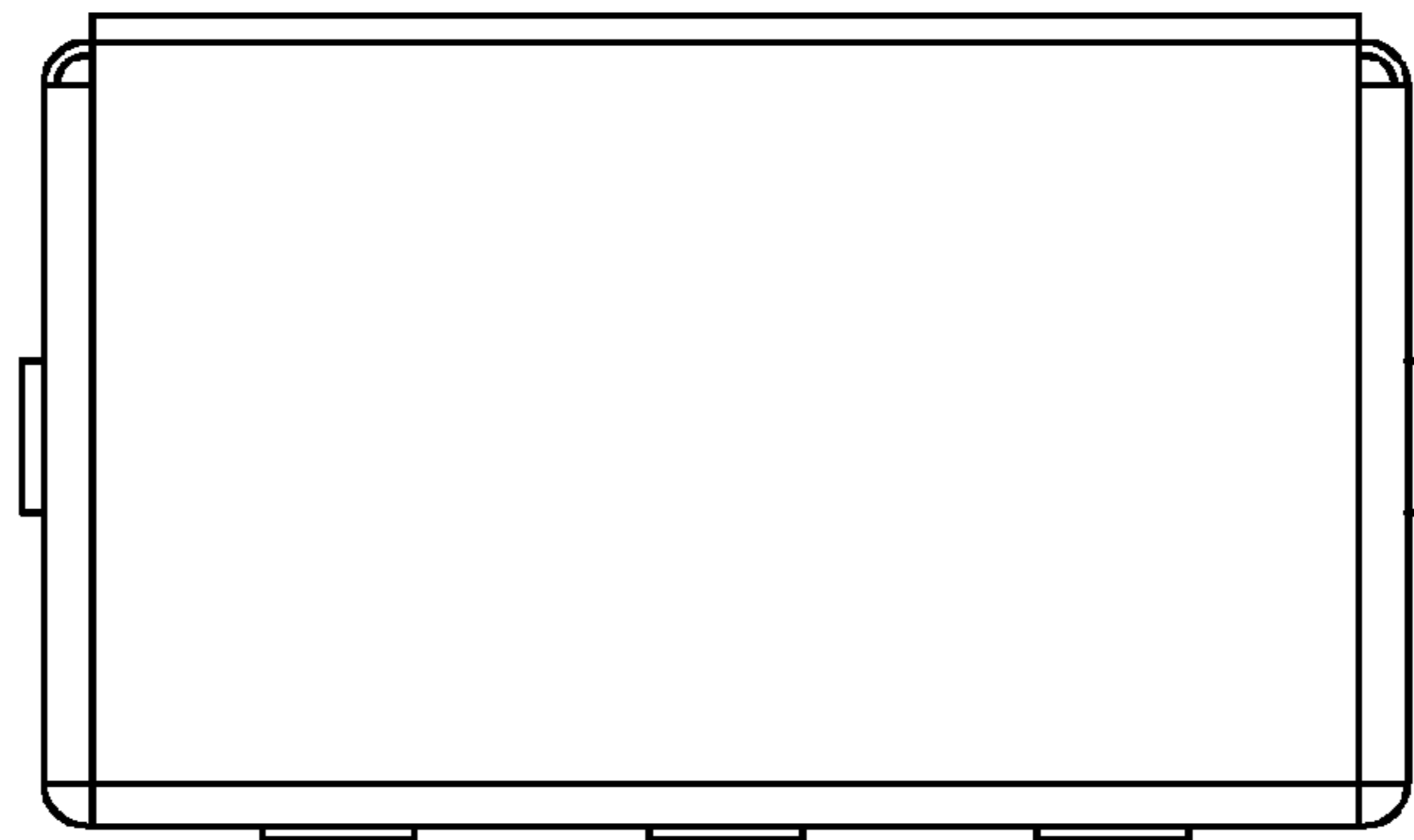


FIG. 17

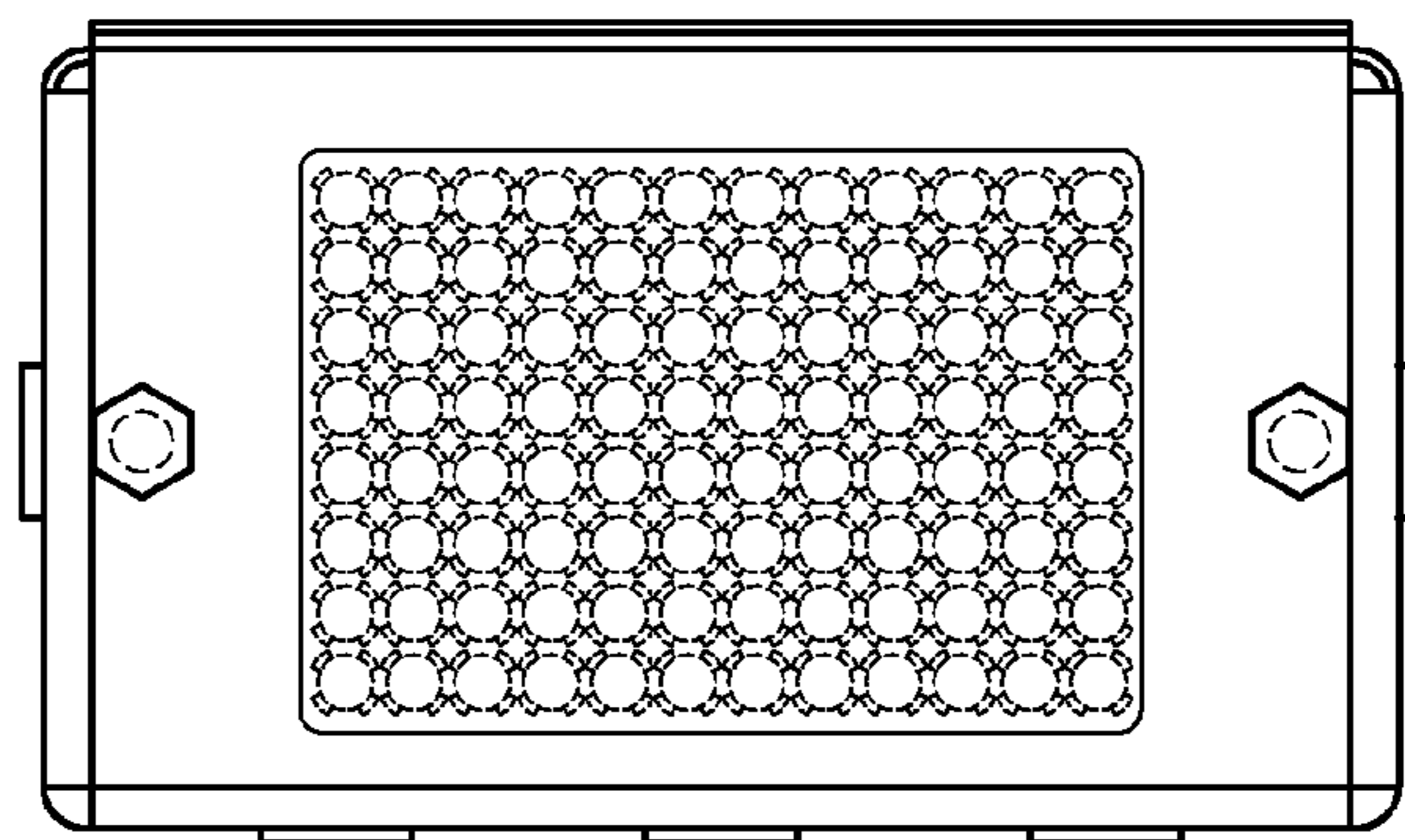


FIG. 18

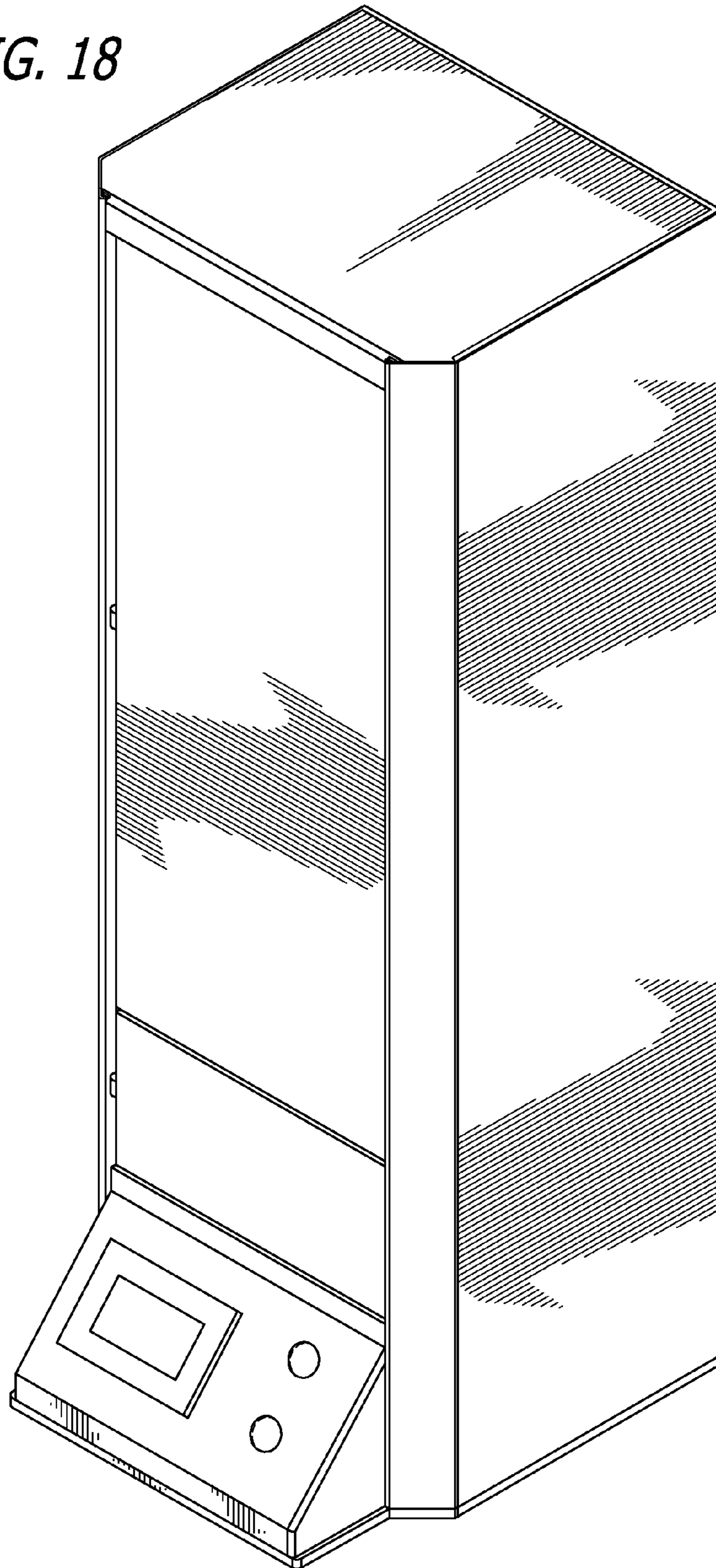


FIG. 19

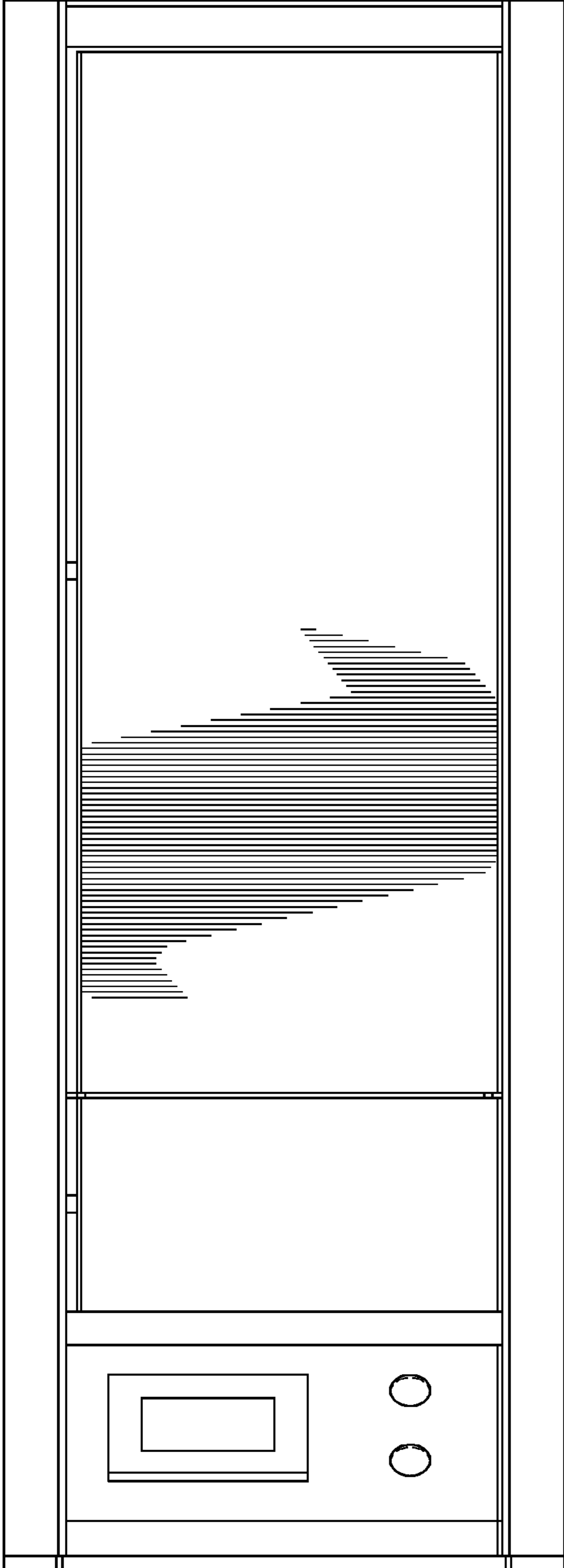


FIG. 20

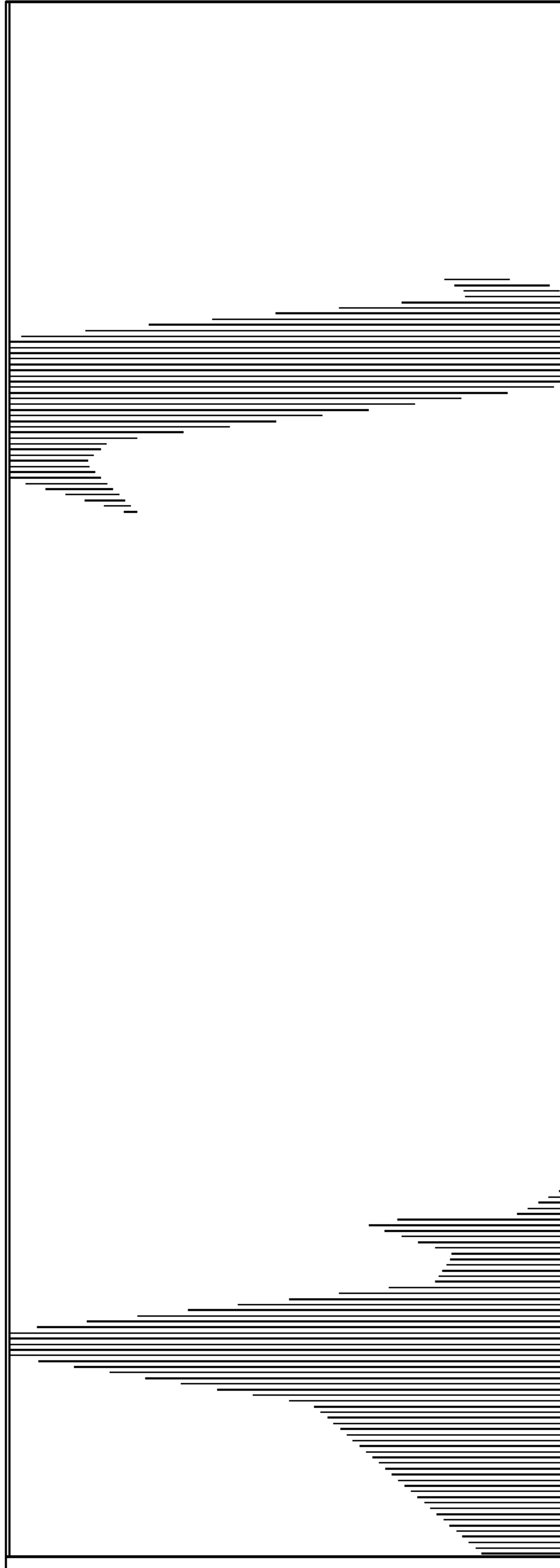


FIG. 21

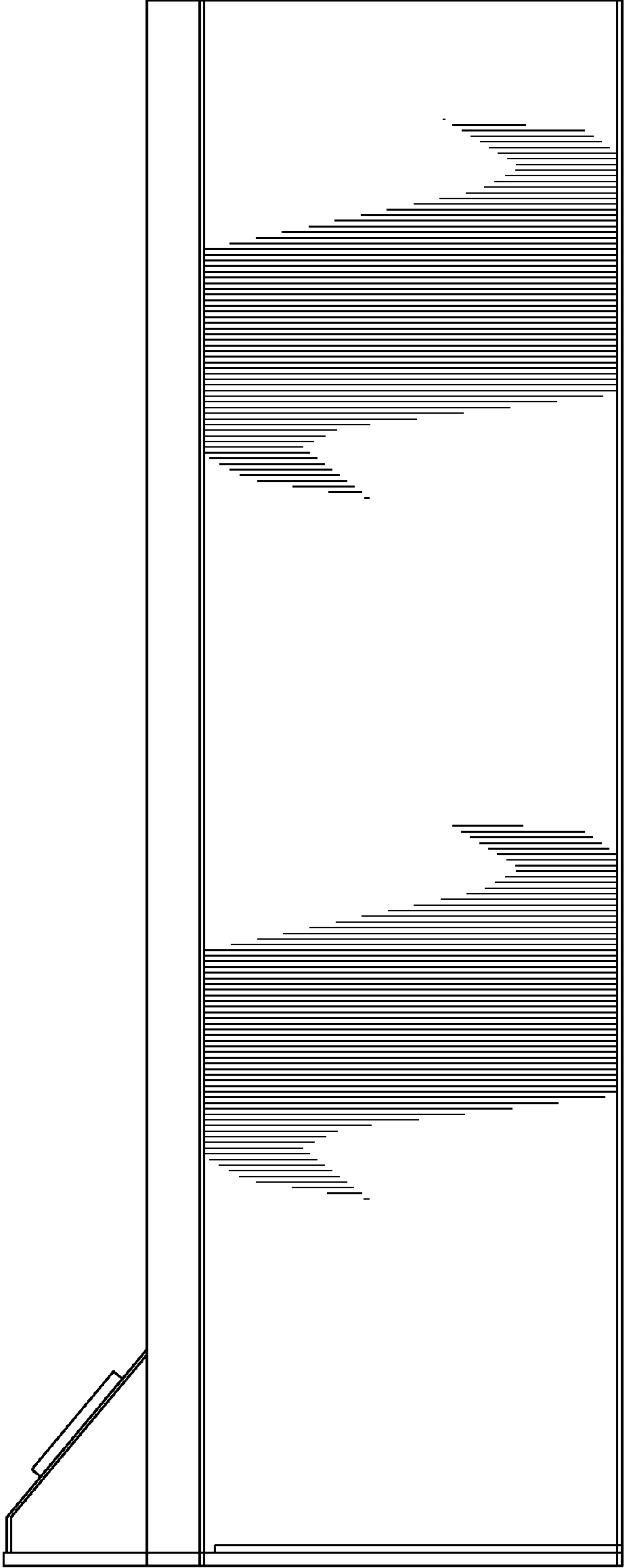


FIG. 22

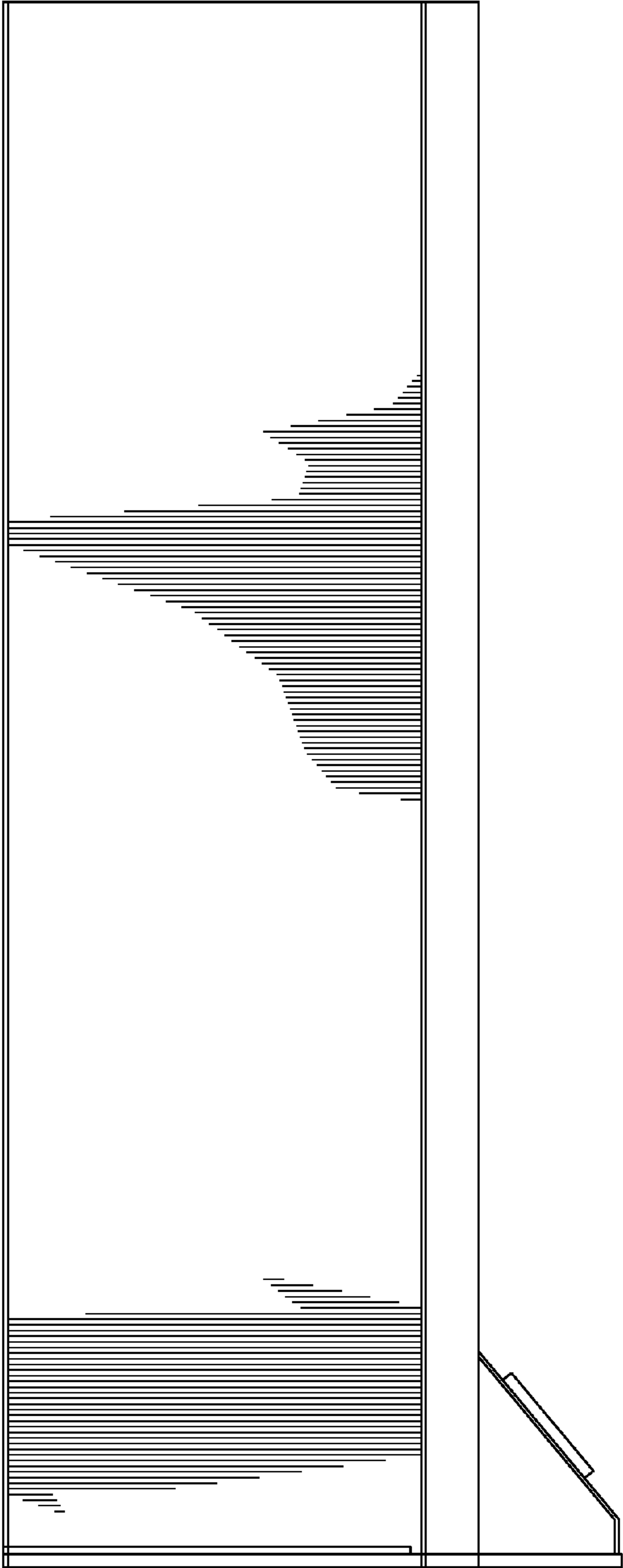


FIG. 23

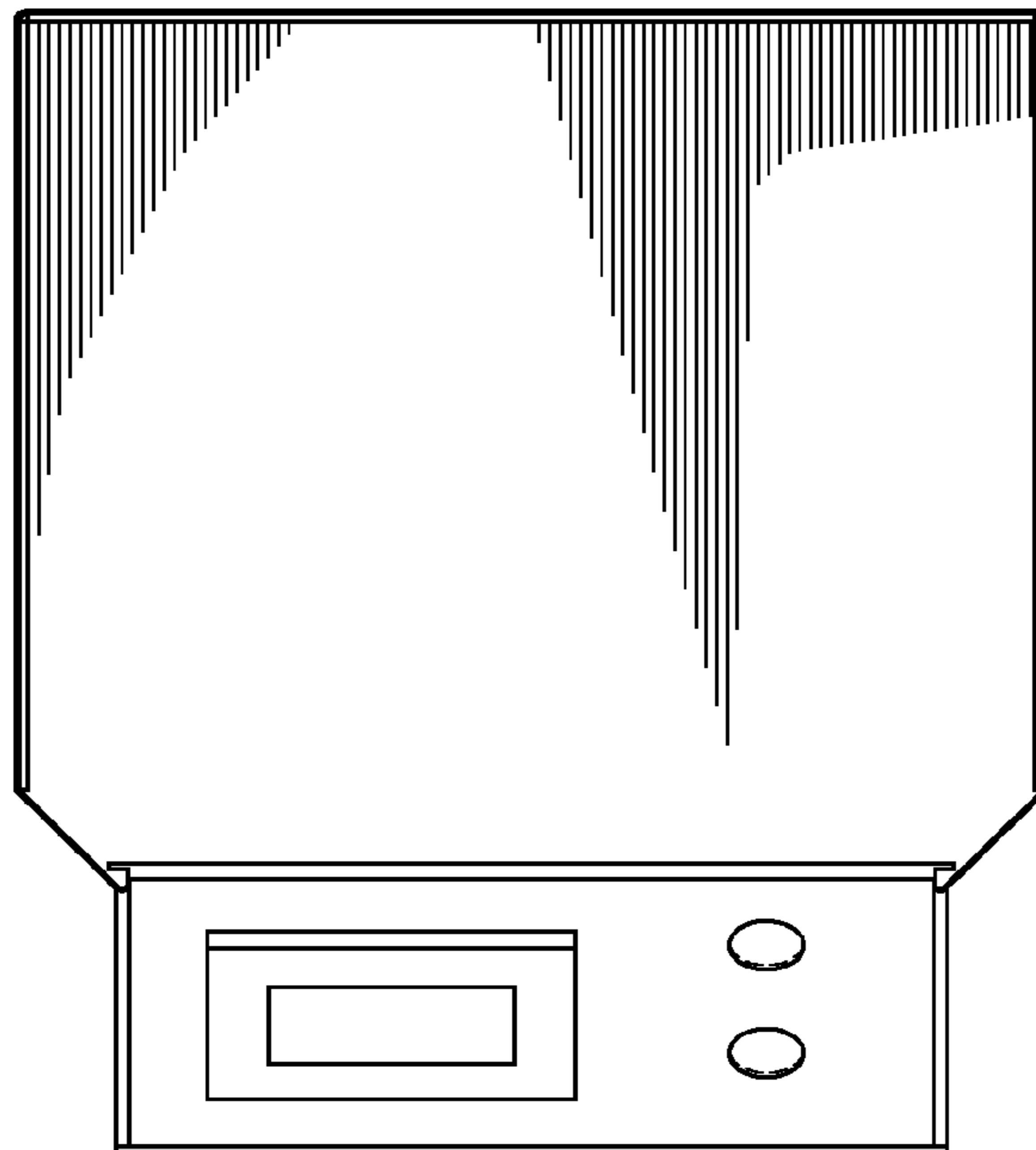
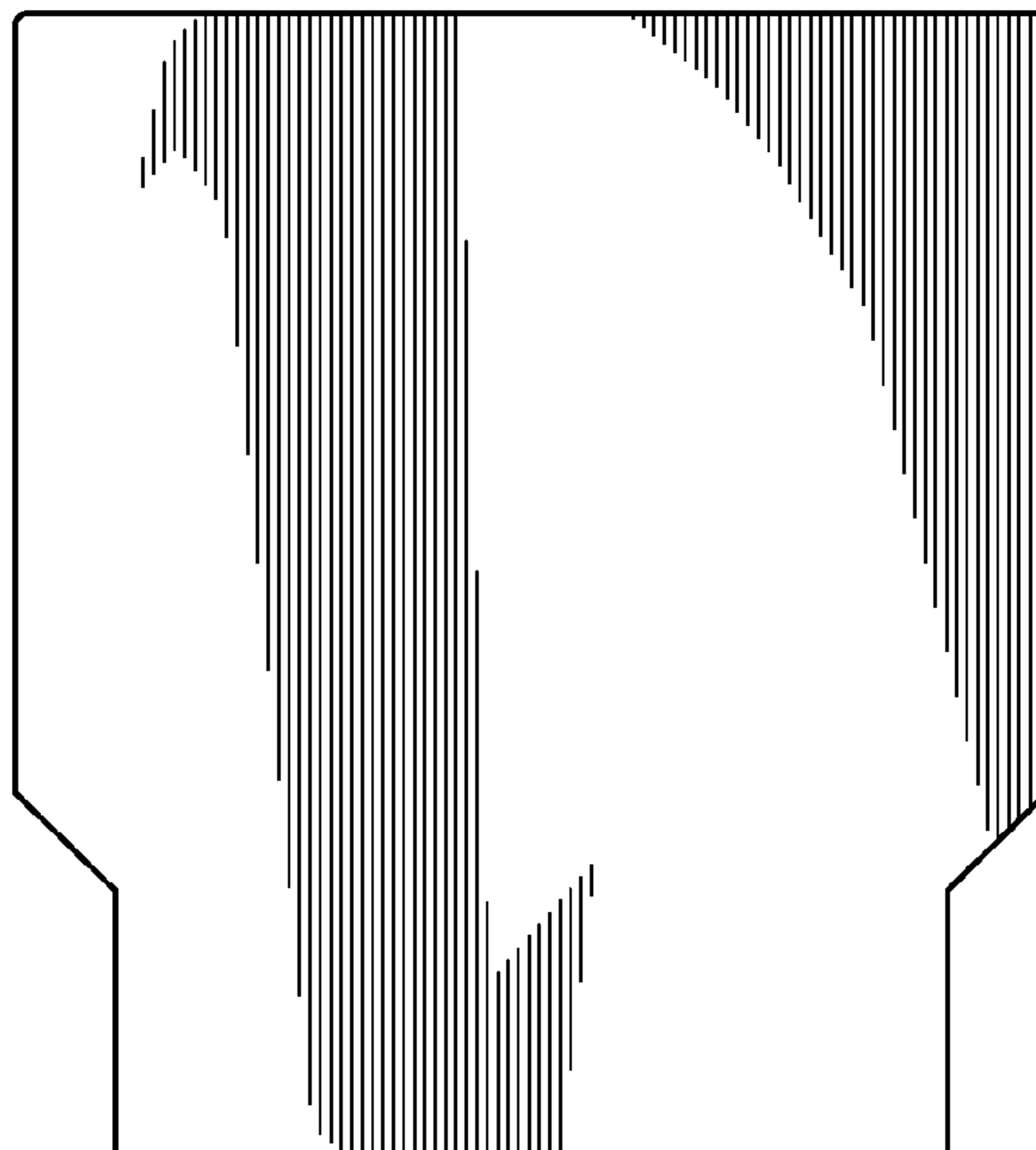


FIG. 24



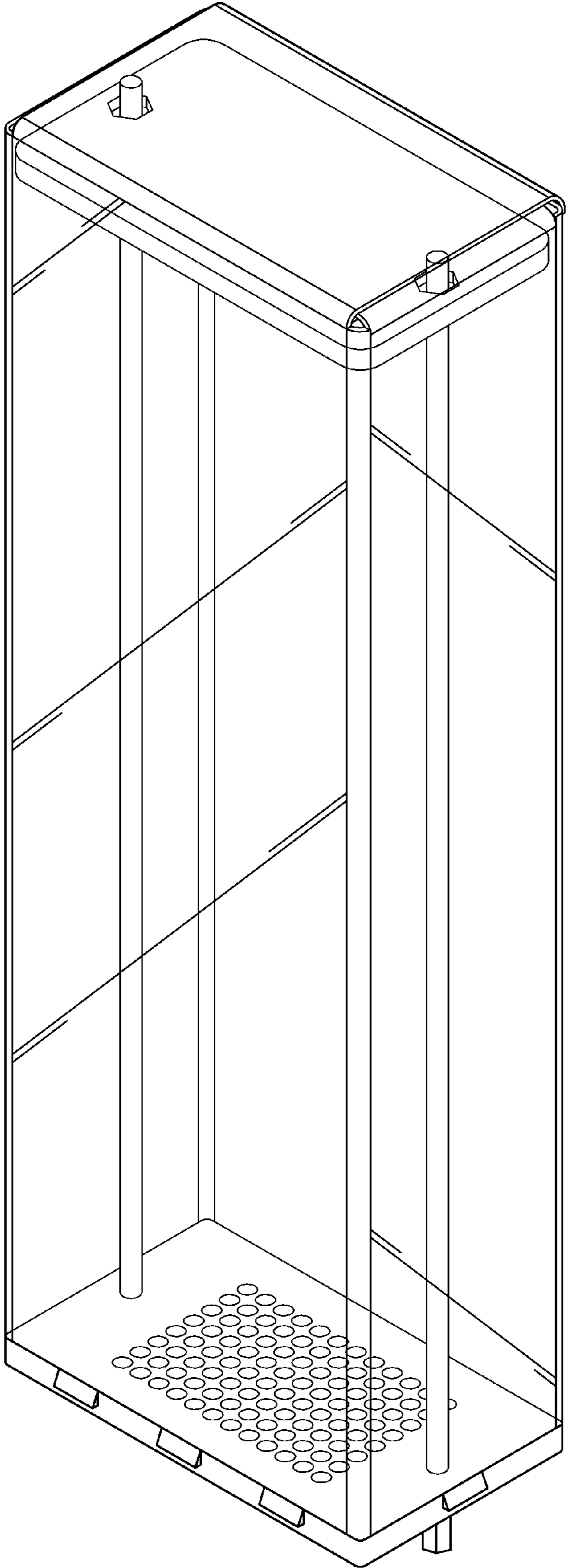


FIG. 25

FIG. 26

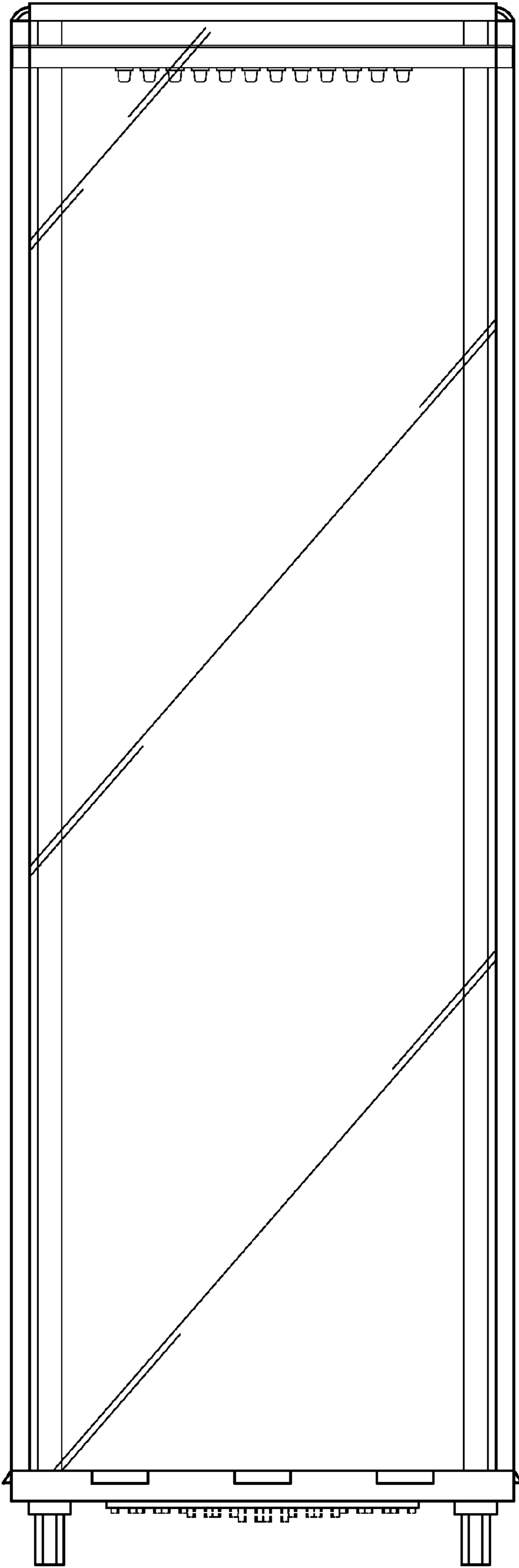
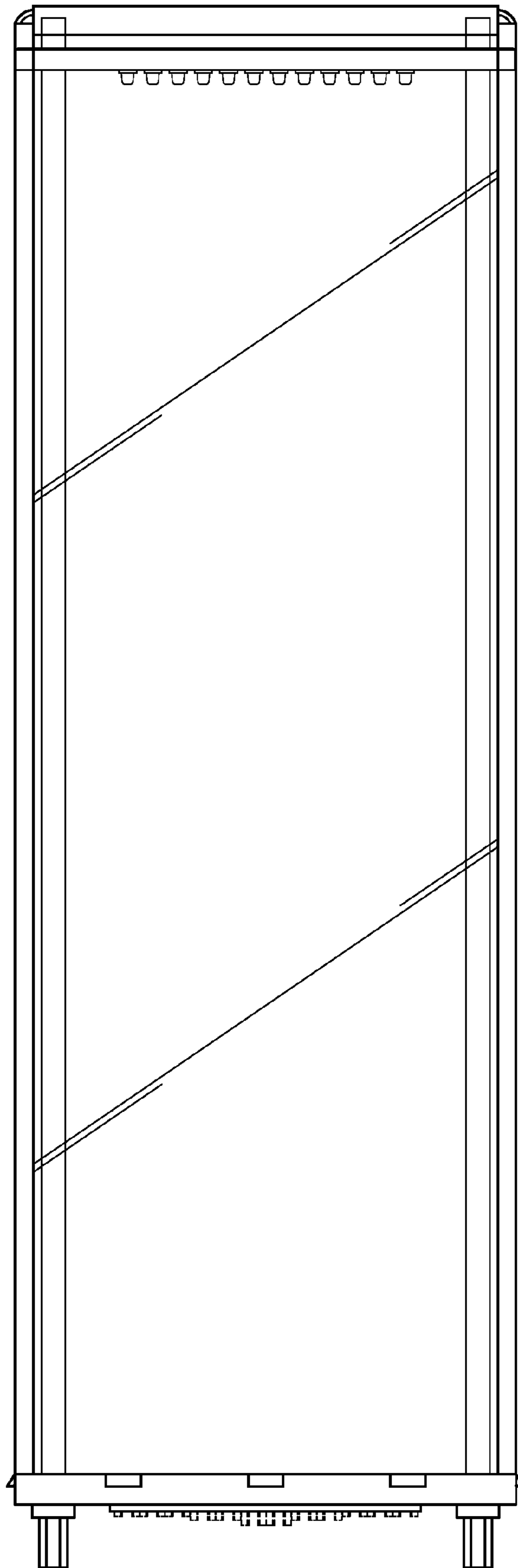


FIG. 27



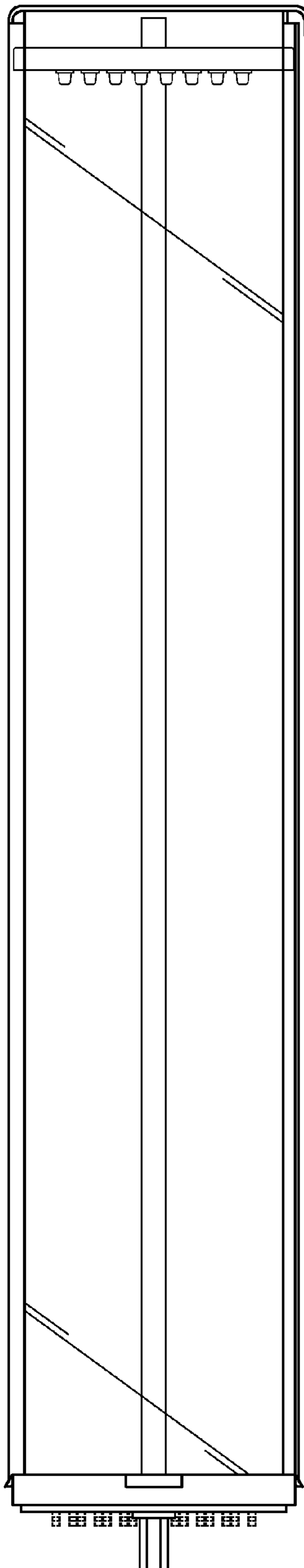


FIG. 28

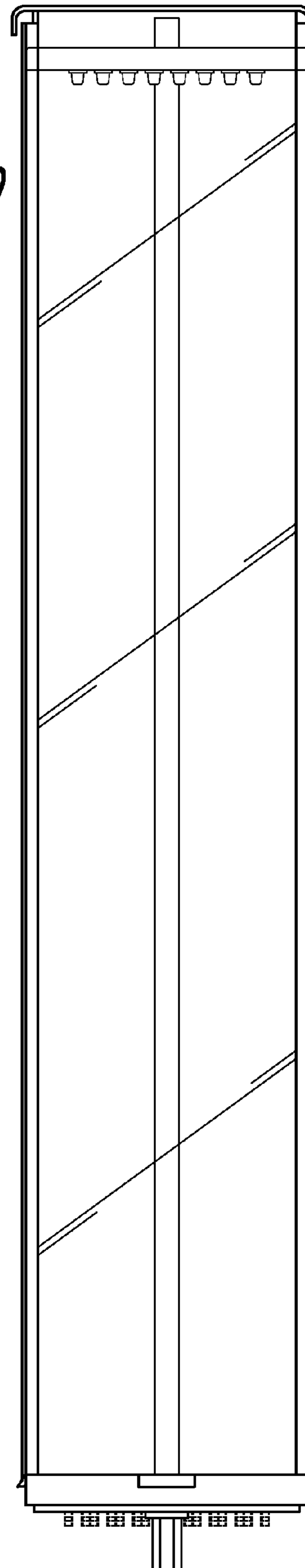


FIG. 29

FIG. 30

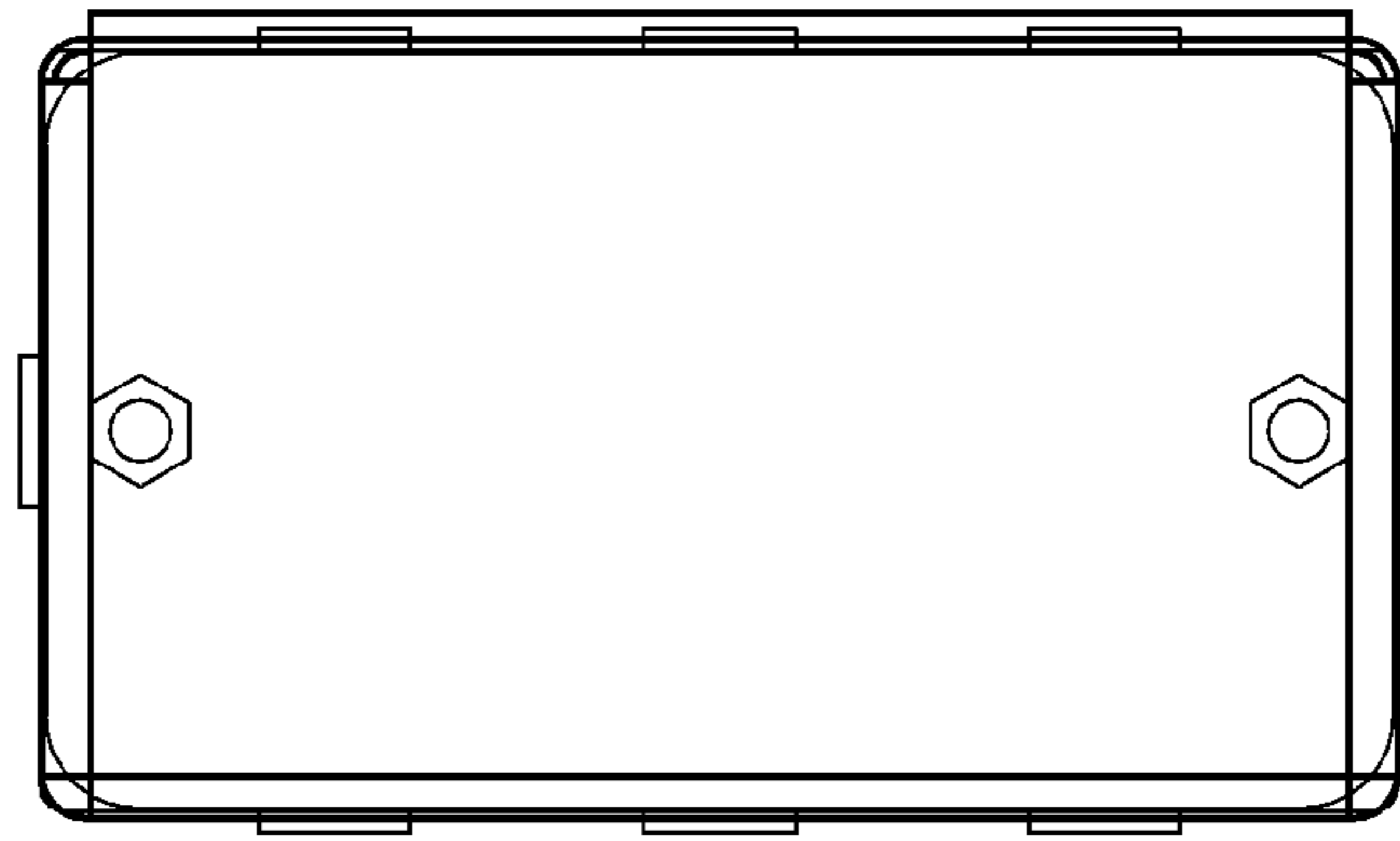


FIG. 31

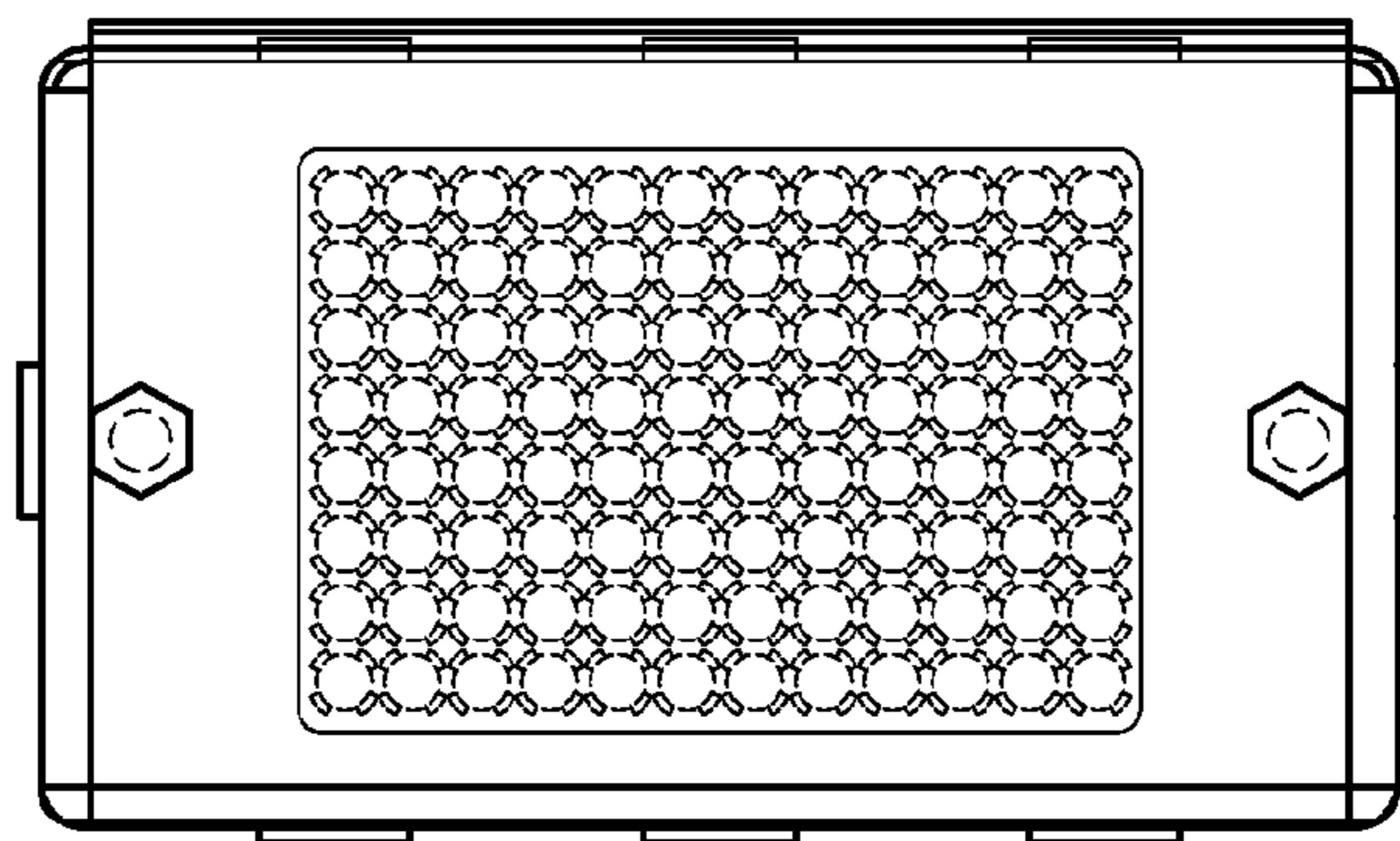


FIG. 32

