



US00D445886S

(12) **United States Design Patent**
Mori et al.

(10) **Patent No.:** **US D445,886 S**
(45) **Date of Patent:** **** Jul. 31, 2001**

(54) **EXHAUST SWITCHING UNIT**

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Akira Murakumo; **Hiroshi**
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(73) Assignee: **CKD Corporation (JP)**

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

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(22) Filed: **Jan. 24, 2000**

(30) **Foreign Application Priority Data**

Jul. 30, 1999 (JP) 11-20748
Jul. 30, 1999 (JP) 11-20749

(51) **LOC (7) Cl.** **23-04**

(52) **U.S. Cl.** **D23/371**

(58) **Field of Search** D23/371, 421;
D32/1; 48/180.1, 190, 3 R; 55/350, 410,
418, DIG. 32, 467, 527; 222/3, 6, 195,
476, 544; 431/18

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Primary Examiner—Mitchell Siegel

(74) *Attorney, Agent, or Firm*—D. Peter Hochberg;
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(57) **CLAIM**

The ornamental design for an exhaust switching unit, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view showing an exhaust

switching unit according to a first embodiment of the present invention;

FIG. 2 is a rear elevational view of the unit of FIG. 1;

FIG. 3 is a top plan view of the unit of FIG. 1;

FIG. 4 is a bottom plan view of the unit of FIG. 1;

FIG. 5 is a left side elevational view of the unit of FIG. 1;

FIG. 6 is a right side elevational view of the unit of FIG. 1;

FIG. 7 is a top front perspective view of the unit of FIG. 1;

FIG. 8 is a bottom rear perspective view of the unit of FIG. 1;

FIG. 9 is a bottom rear perspective view showing an exhaust switching unit according to a second embodiment, wherein the front elevational view, the top plan view, the left side and right side elevational views and the top front perspective view are the same as those of the first embodiment;

FIG. 10 is a front elevational view showing an exhaust switching unit according to a third embodiment of the present invention;

FIG. 11 is a rear elevational view of the unit of FIG. 10;

FIG. 12 is a top plan view of the unit of FIG. 10;

FIG. 13 is a bottom plan view of the unit of FIG. 10;

FIG. 14 is a left side elevational view of the unit of FIG. 10;

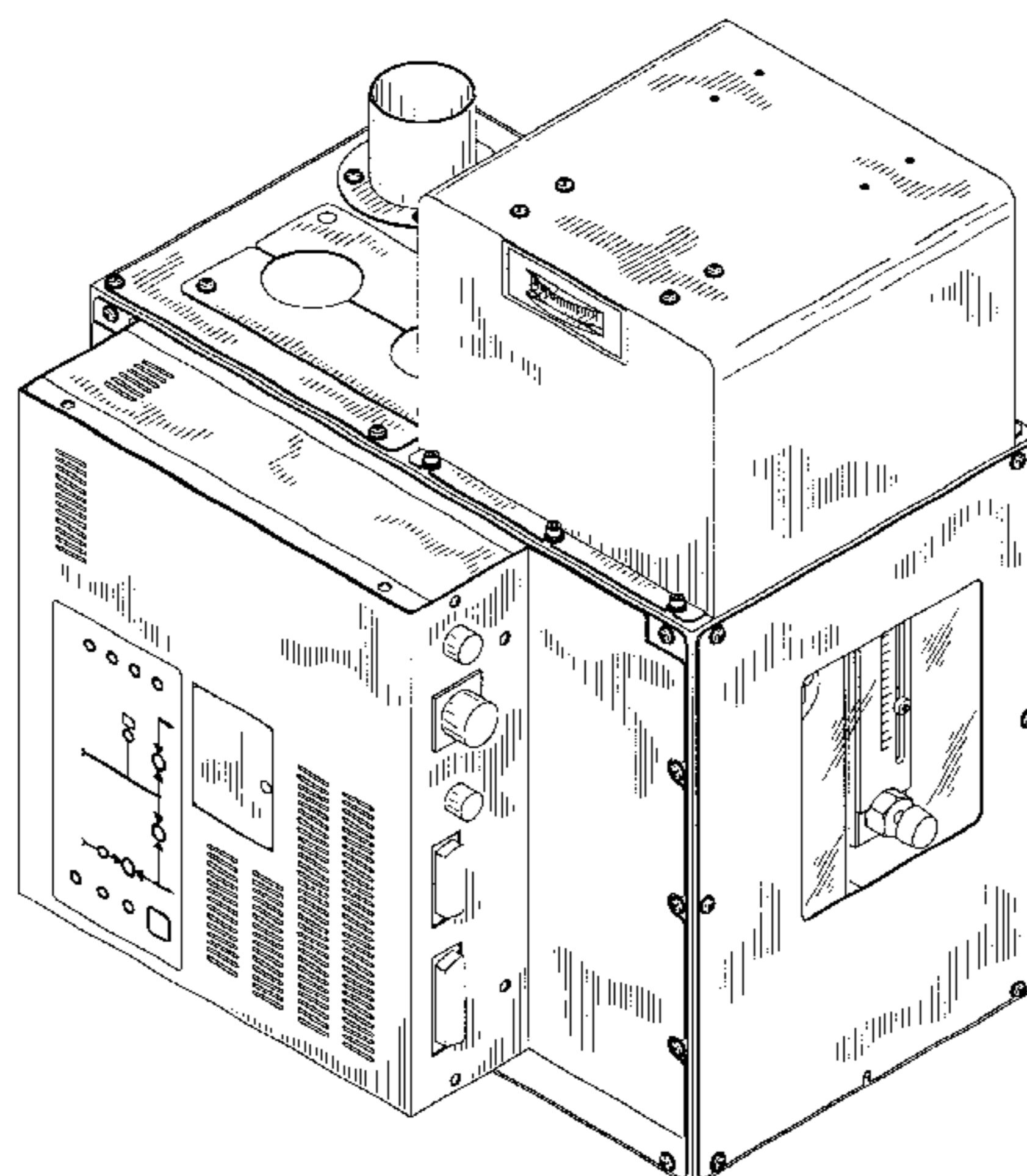
FIG. 15 is a right side elevational view of the unit of FIG. 10;

FIG. 16 is a top front perspective view of the unit of FIG. 10;

FIG. 17 is a bottom rear perspective view of the unit of FIG. 10; and,

FIG. 18 is a bottom rear perspective view showing an exhaust switching unit according to a fourth embodiment, wherein the front elevational view, the top plan view, the left side and right side elevational views and the top front perspective view are the same as those of the third embodiment.

1 Claim, 12 Drawing Sheets



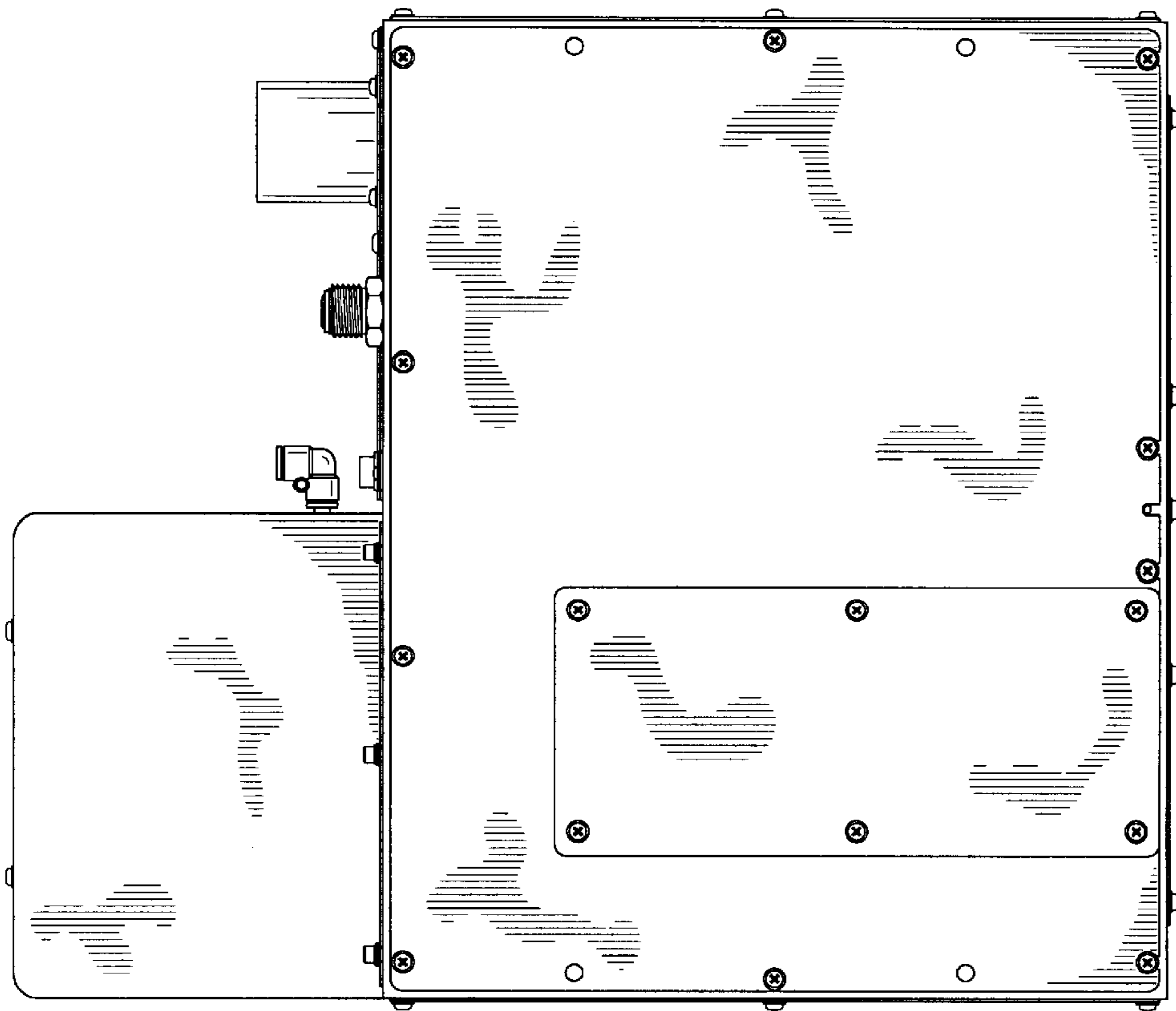


FIG-2

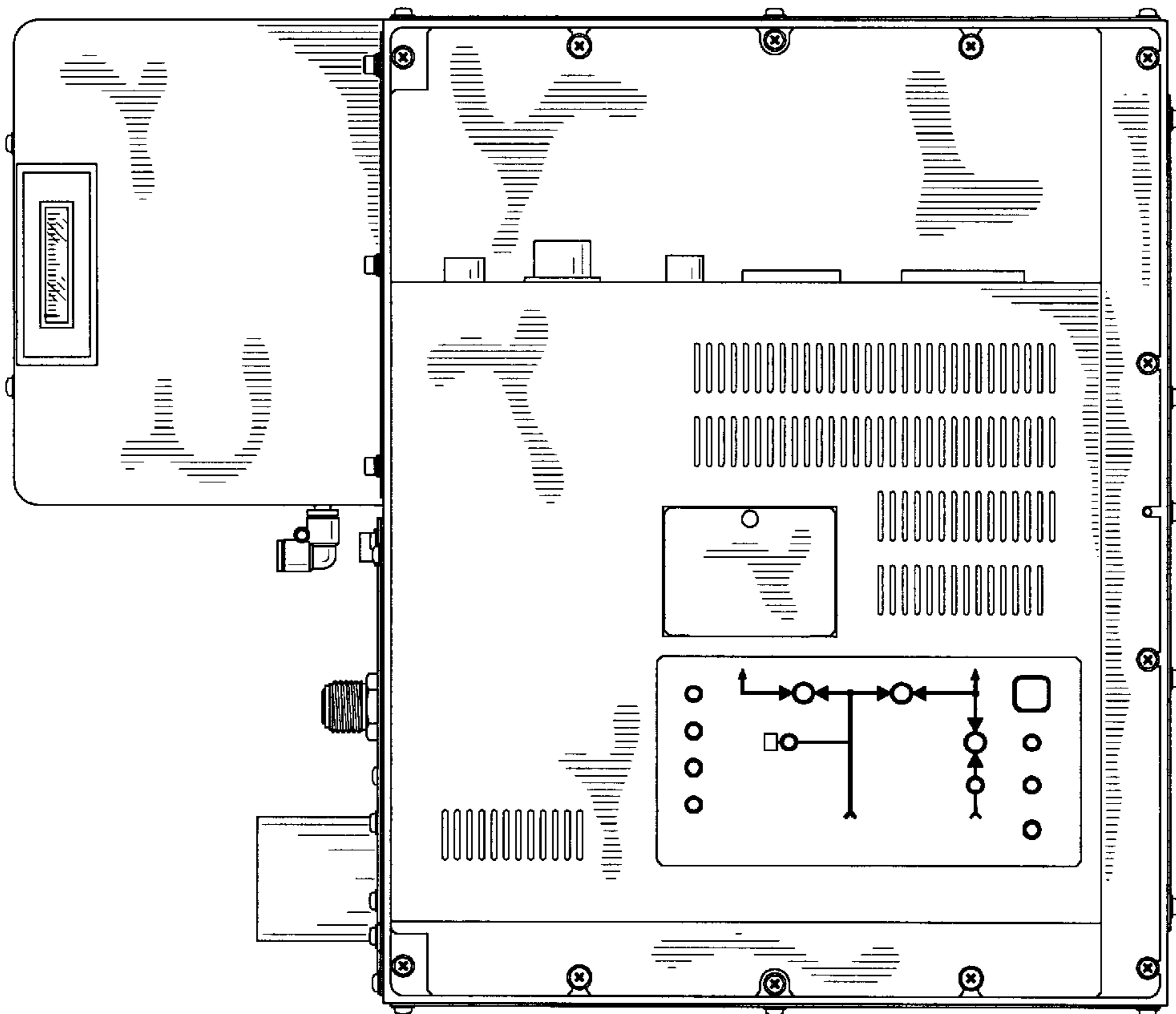


FIG-1

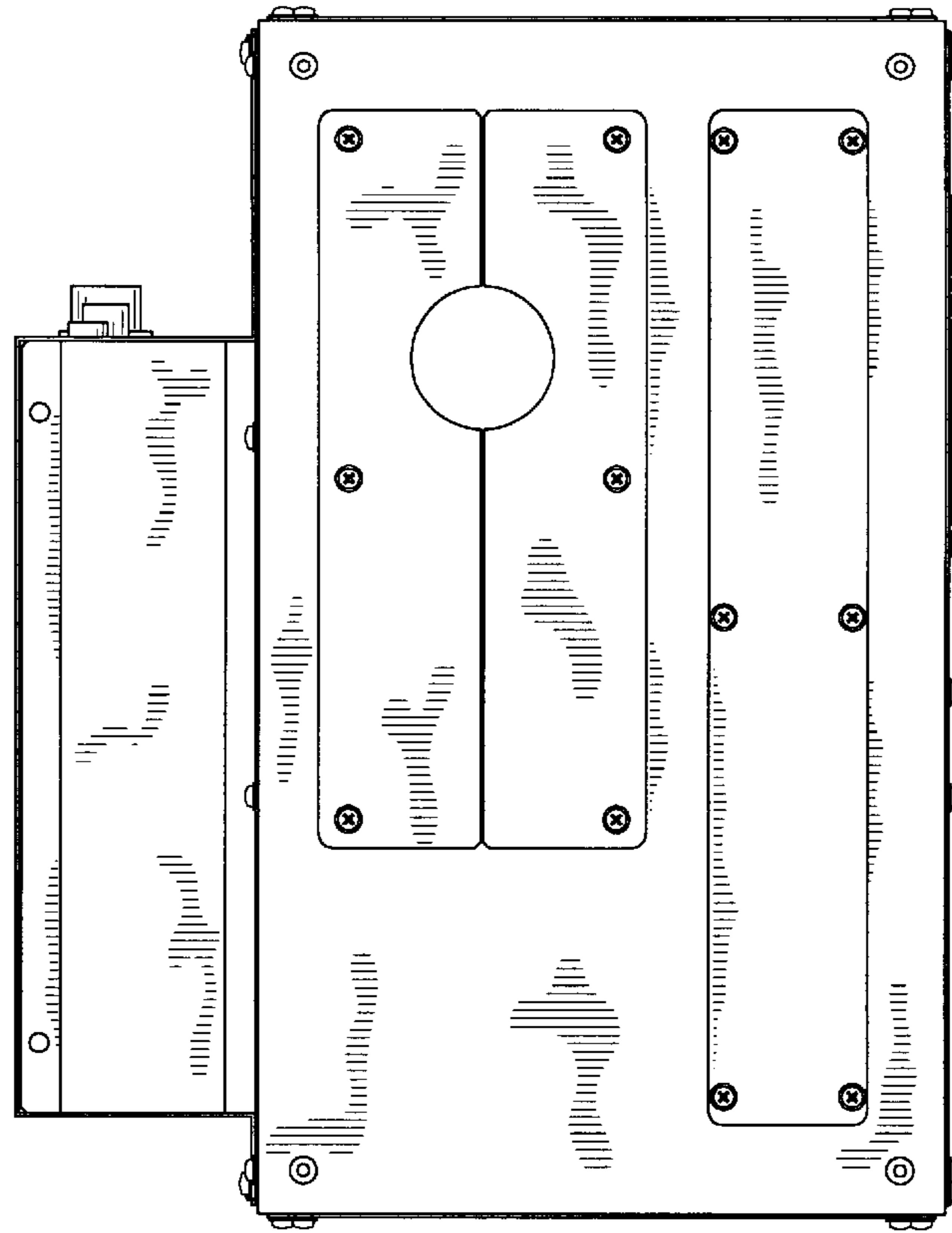


FIG-4

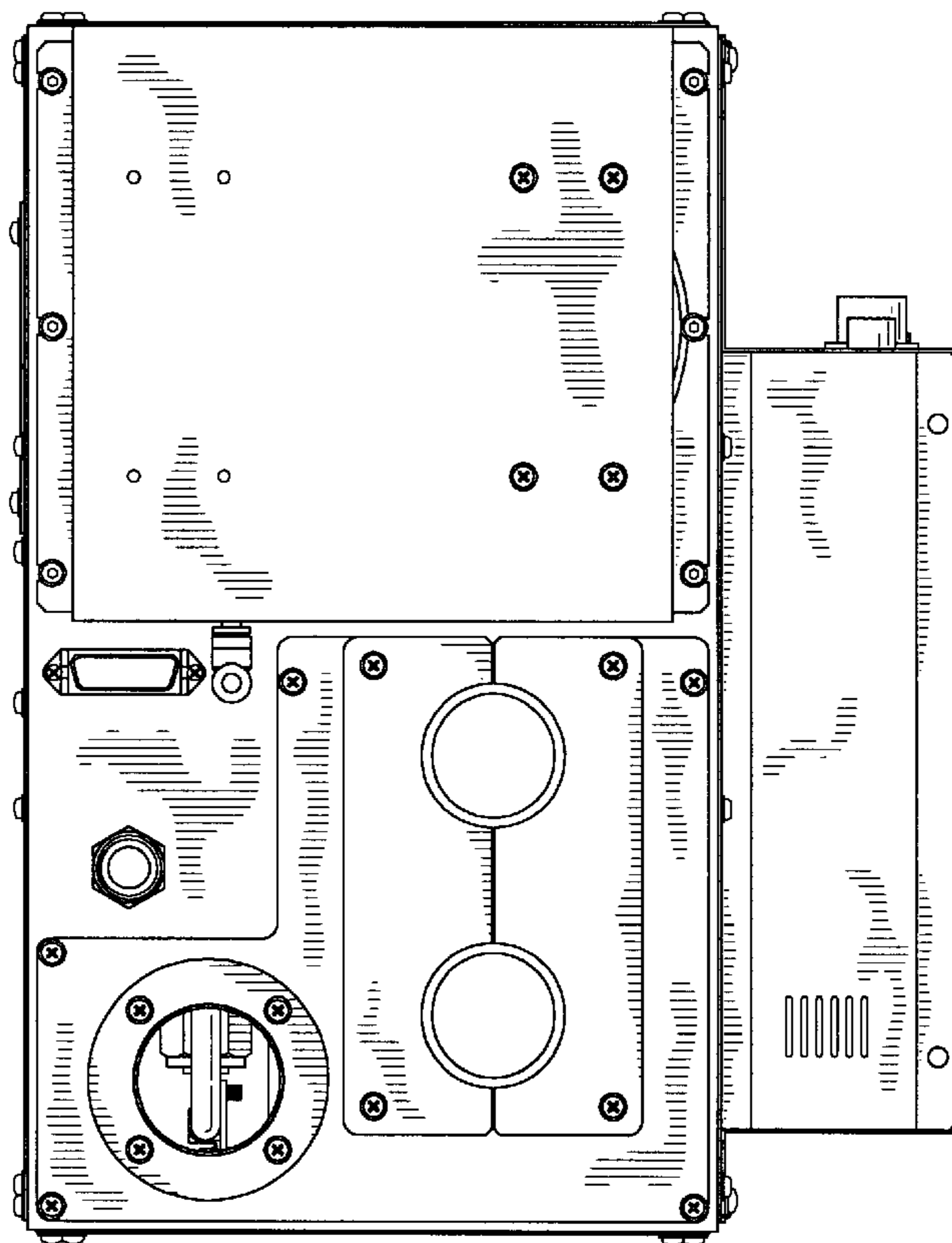


FIG-3

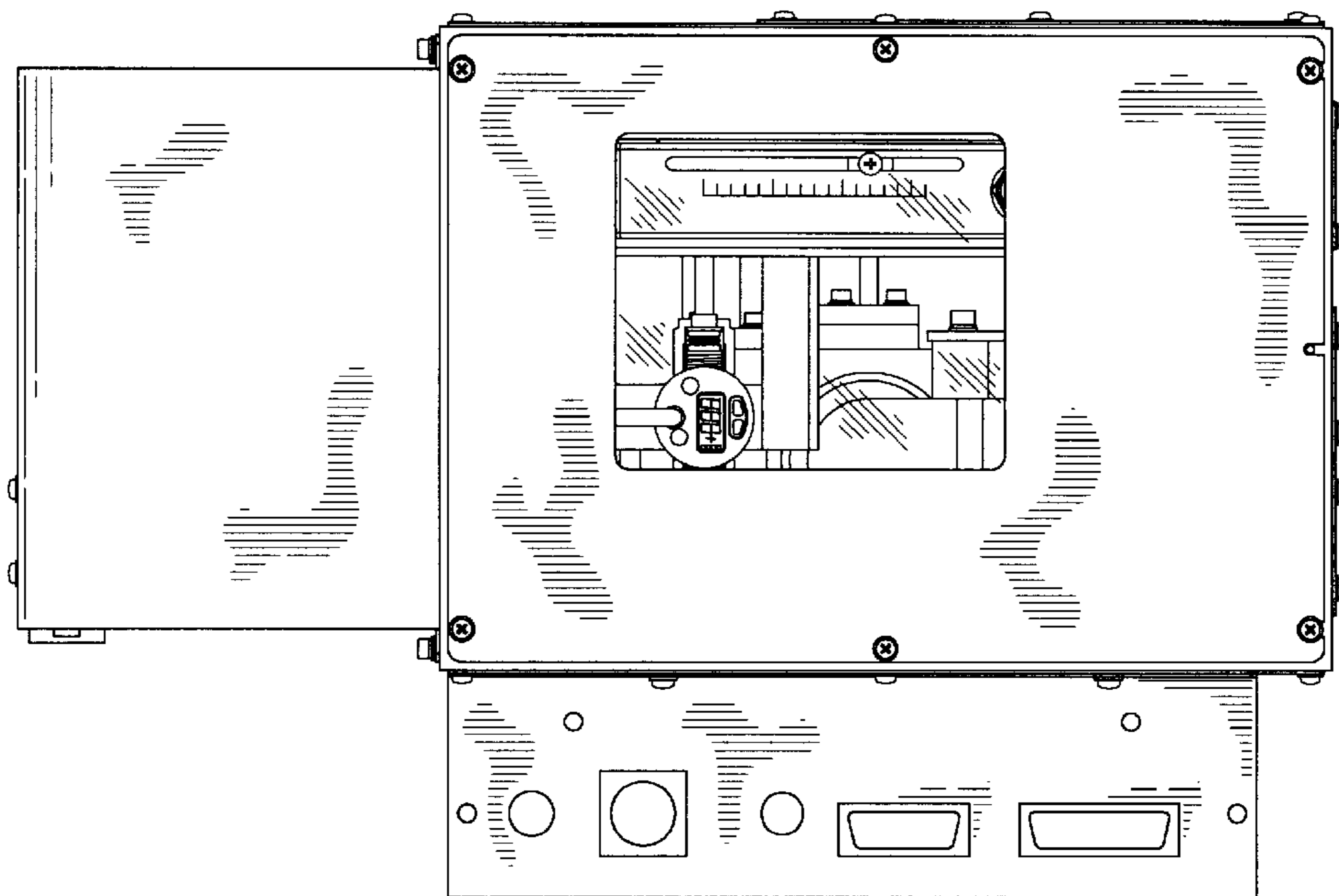


FIG-6

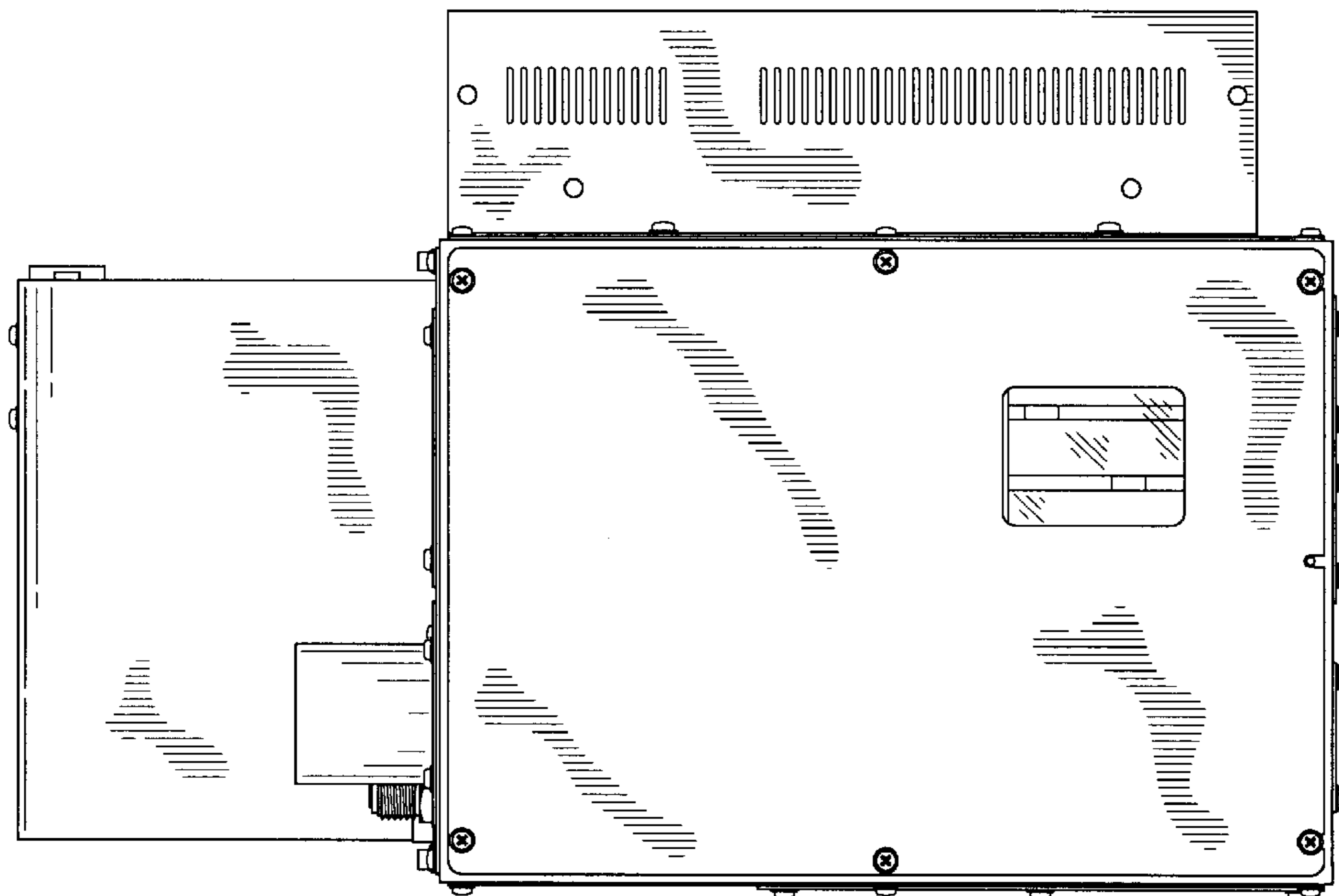


FIG-5

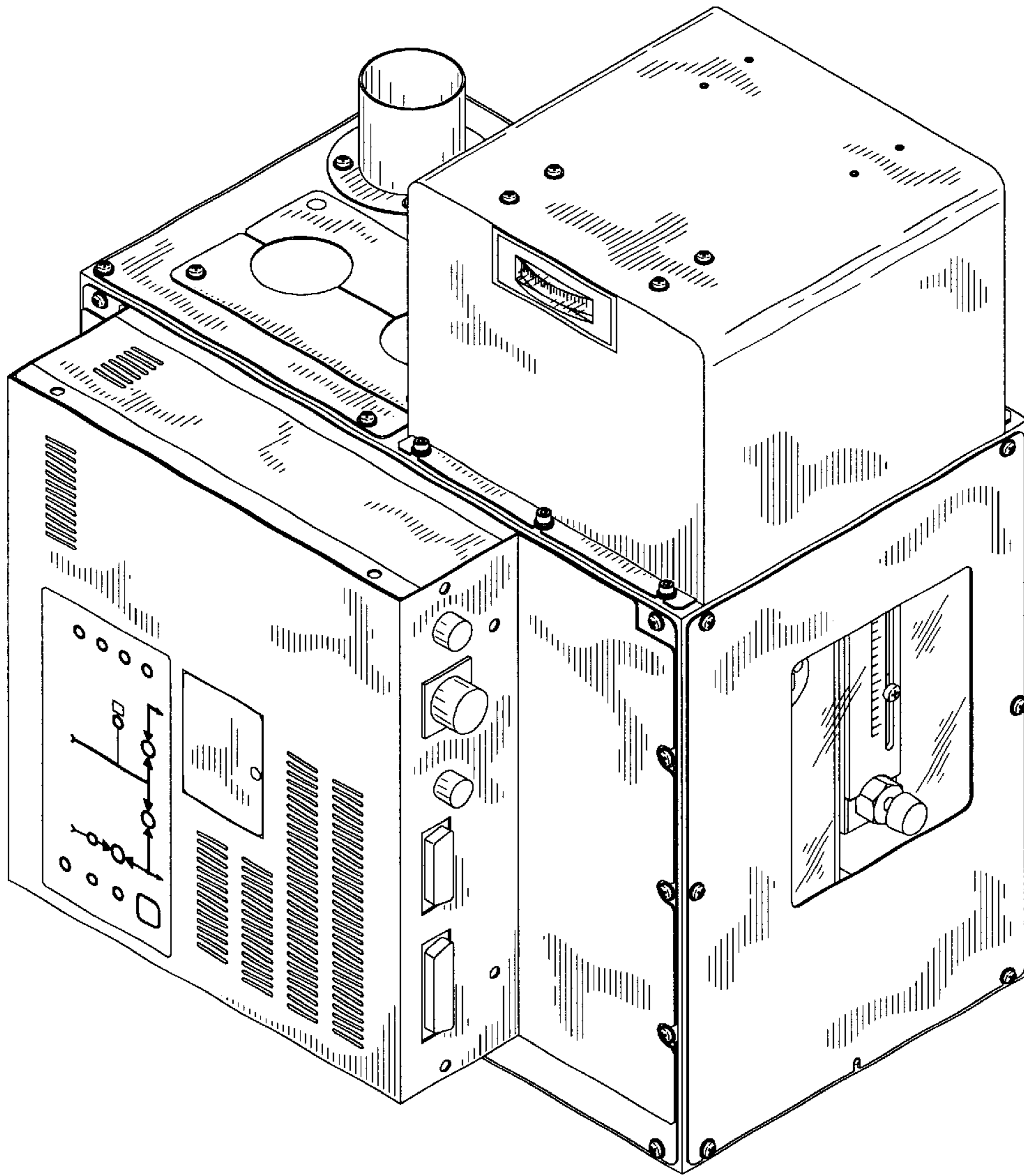


FIG-7

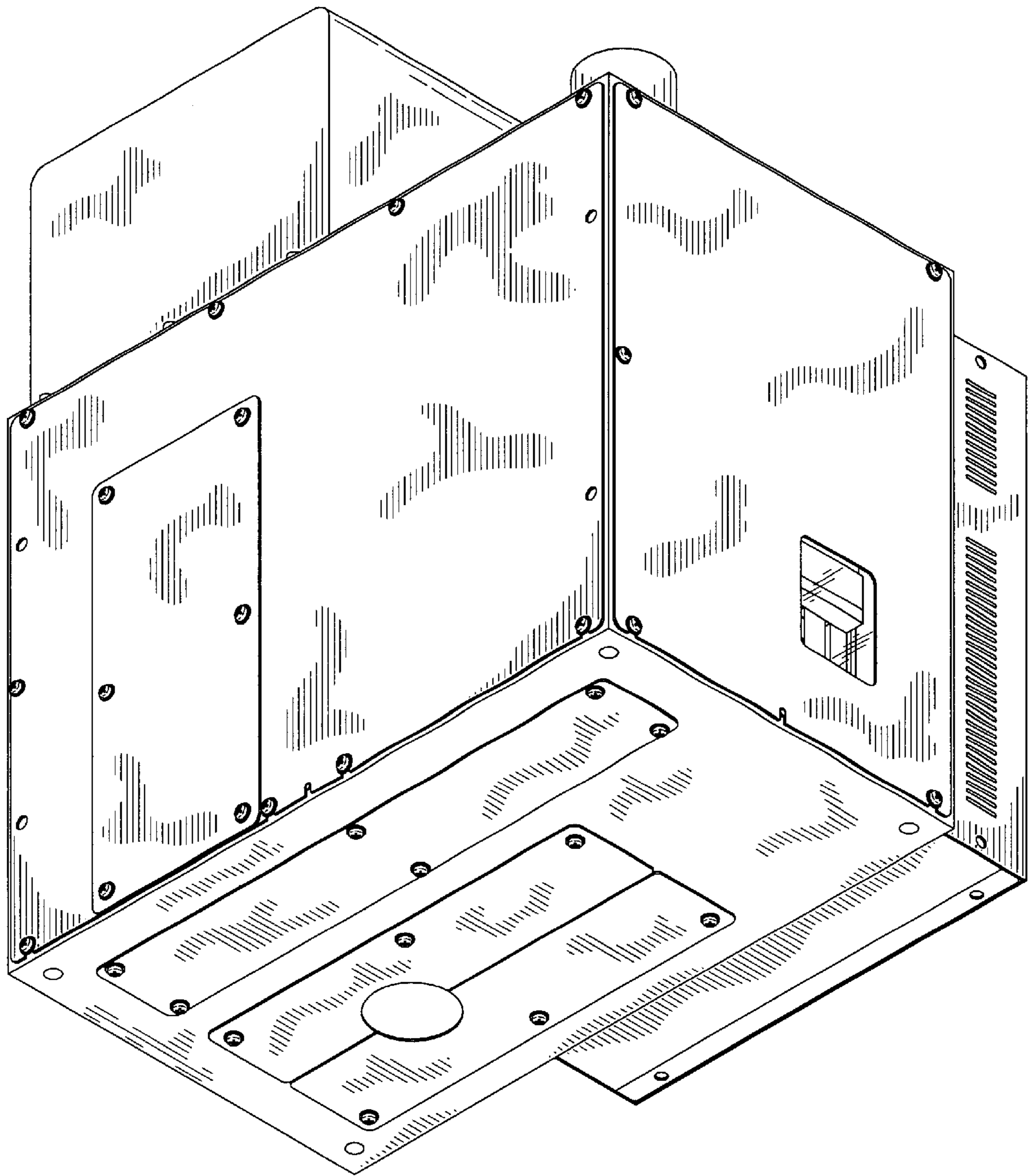


FIG-8

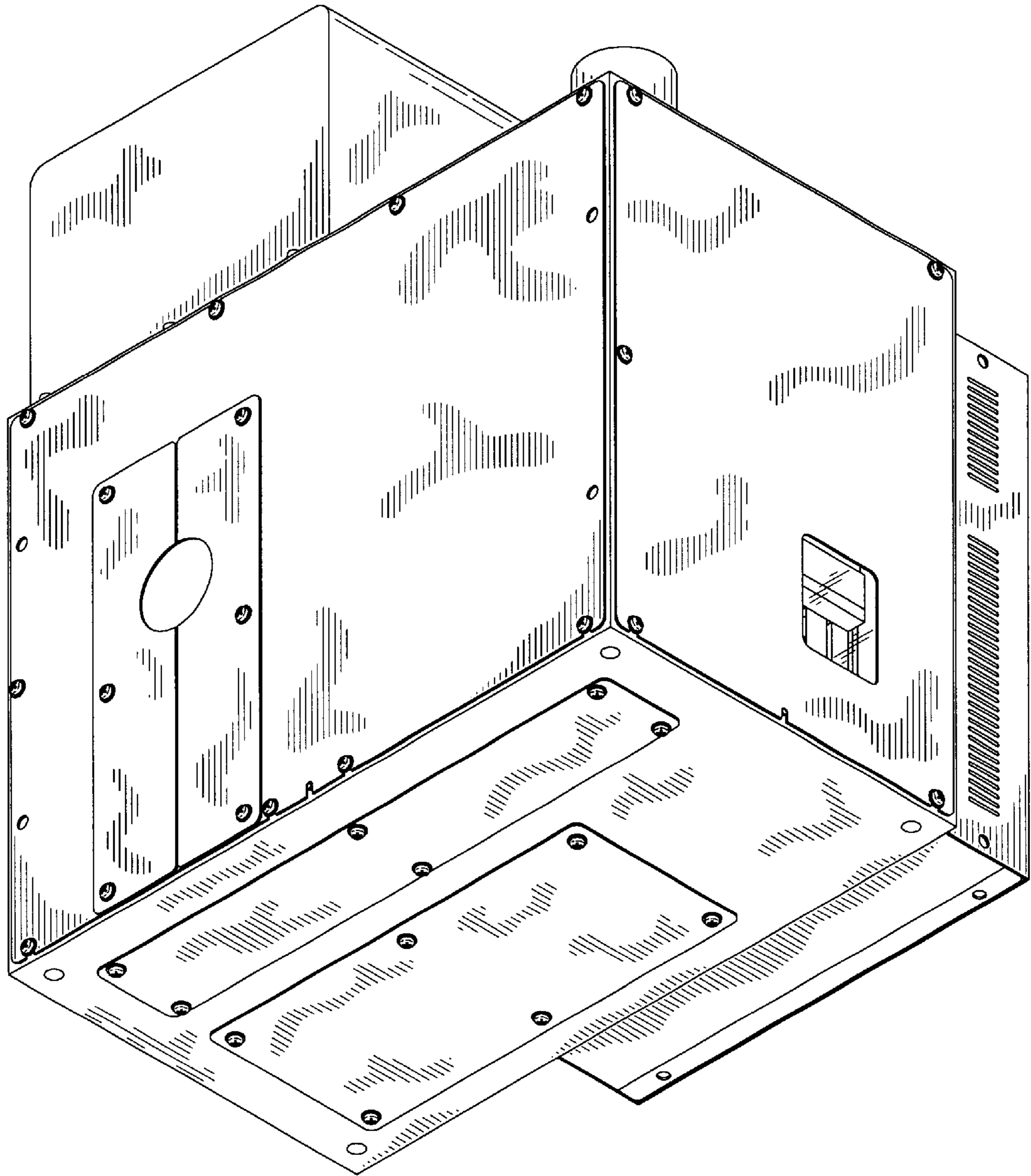


FIG-9

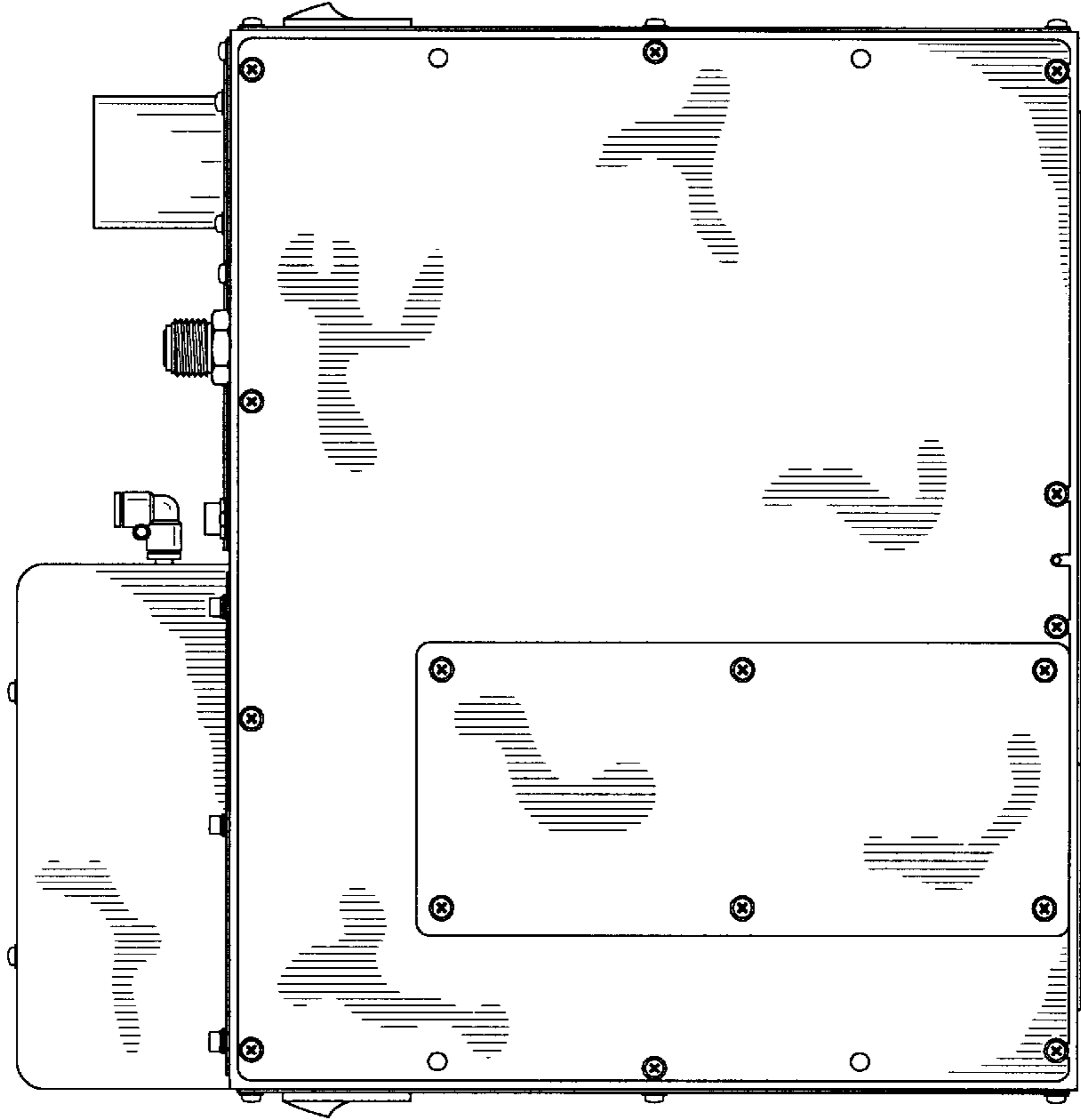


FIG-11

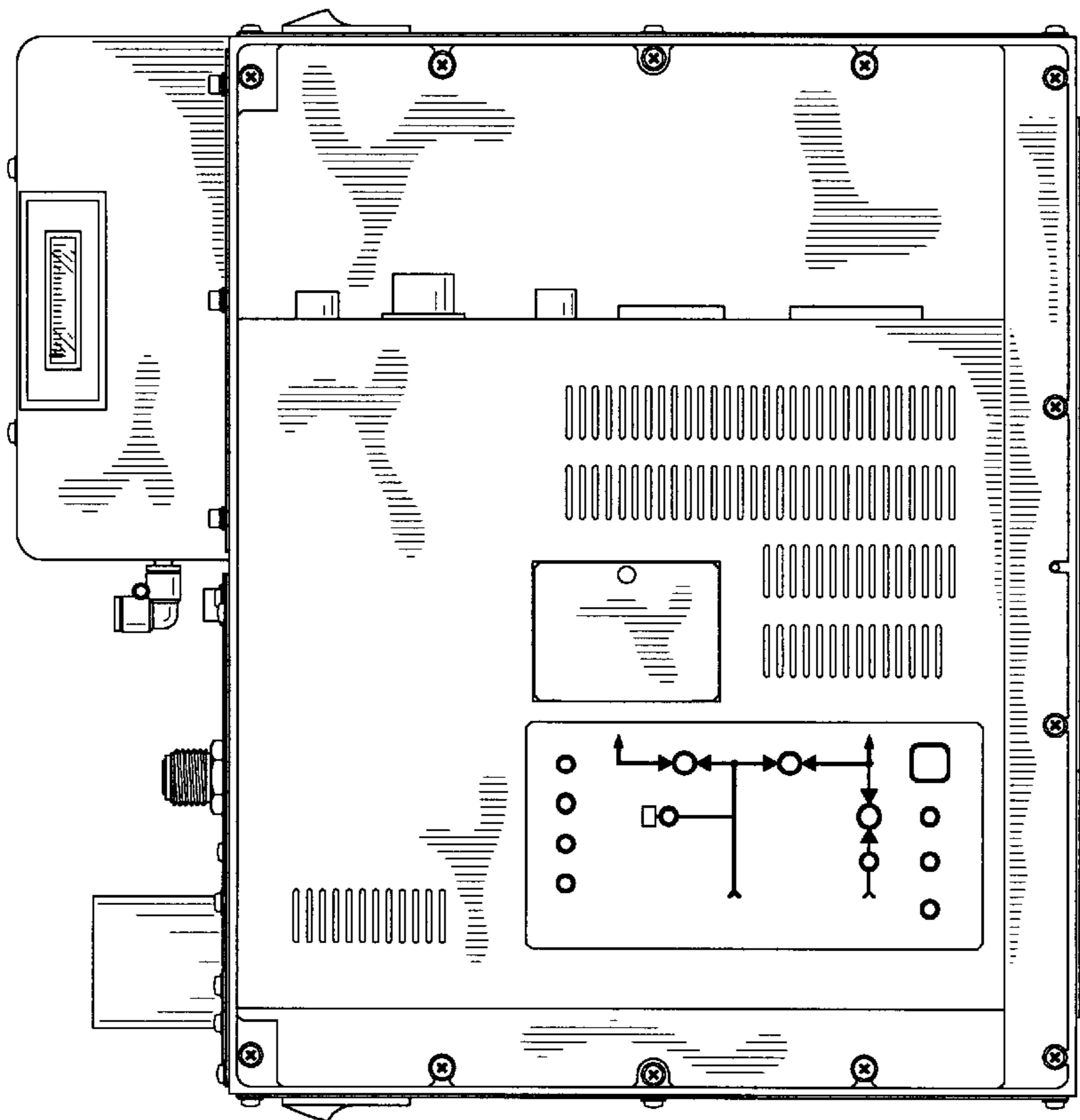


FIG-10

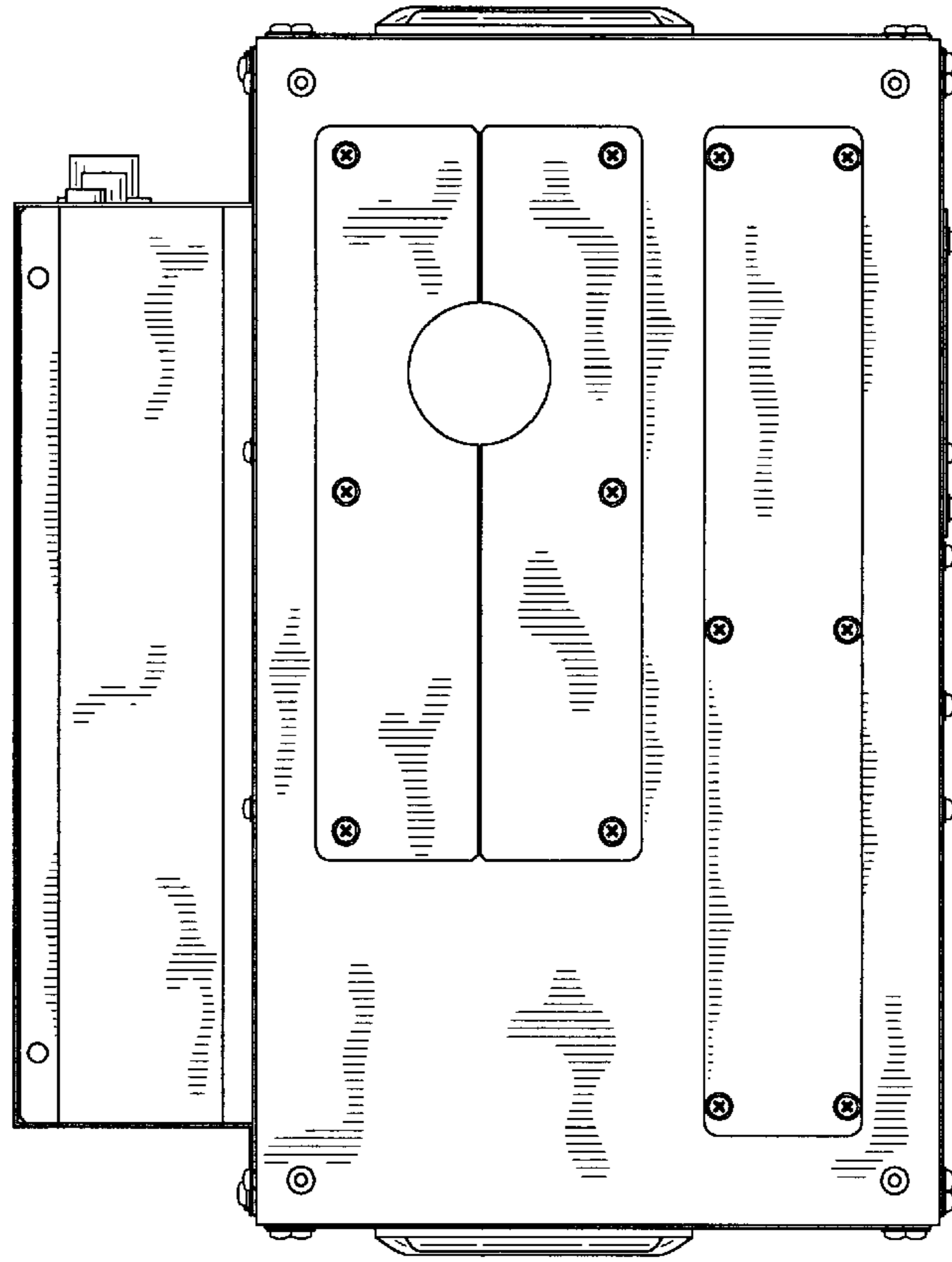


FIG-13

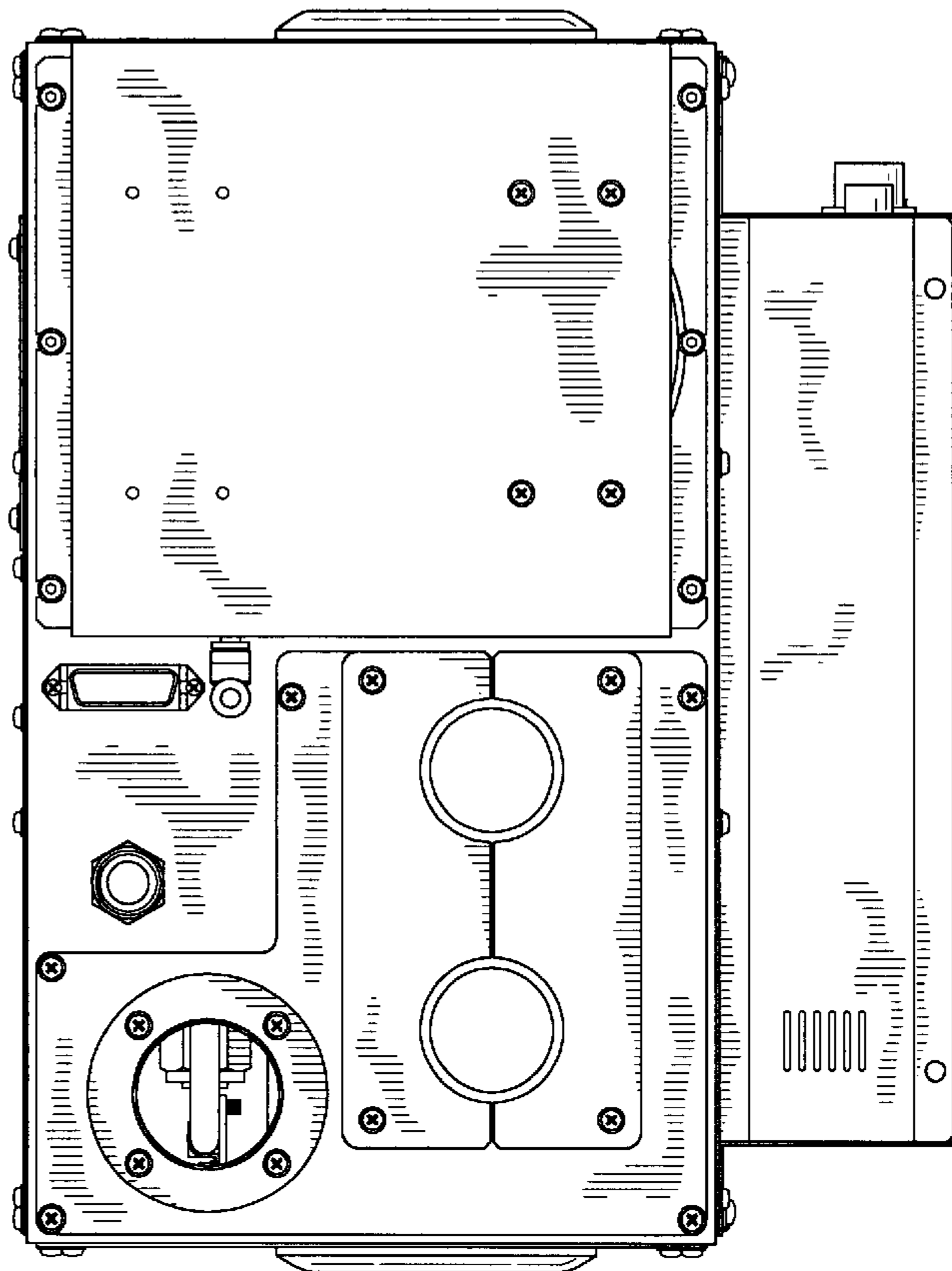


FIG-12

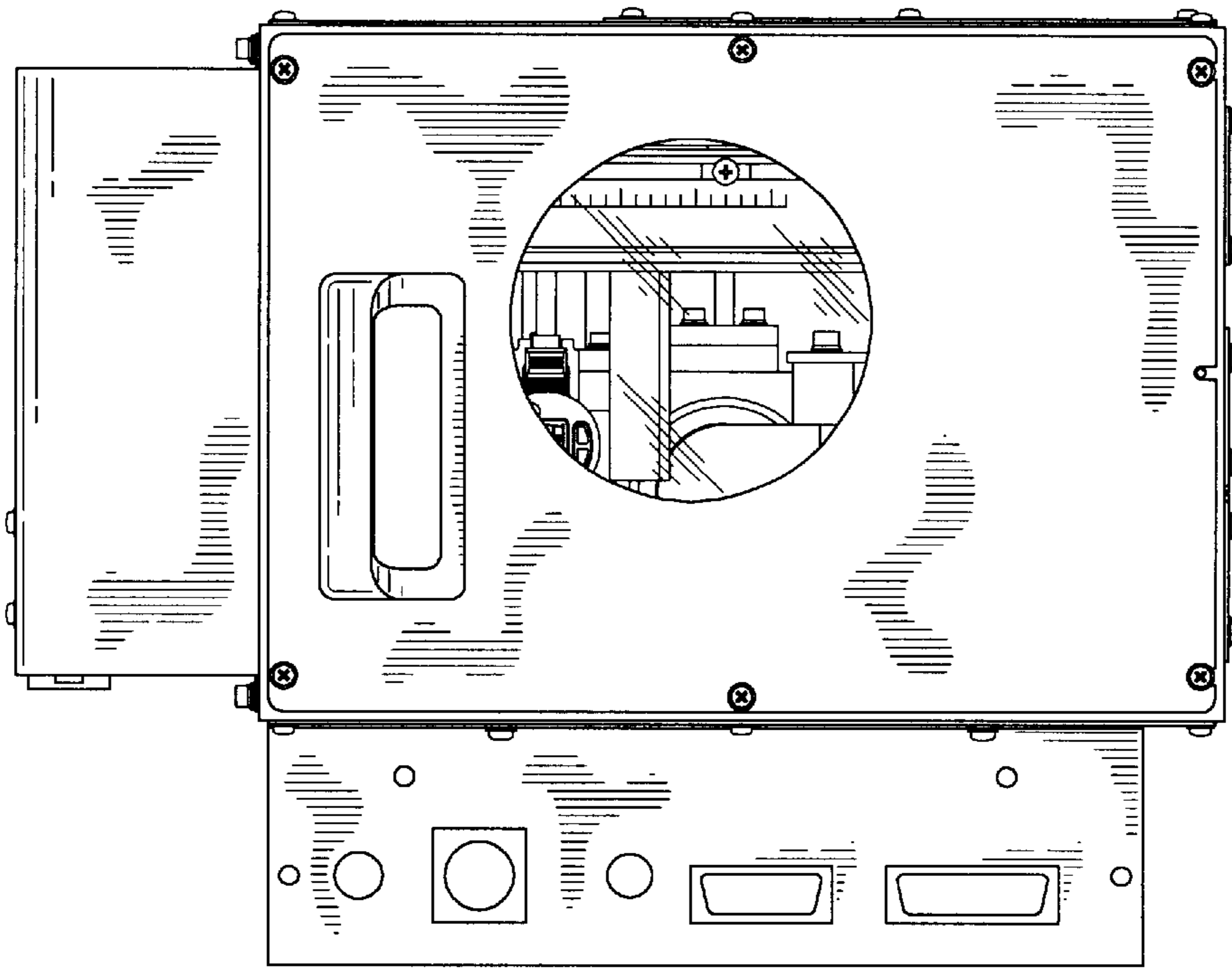


FIG-15

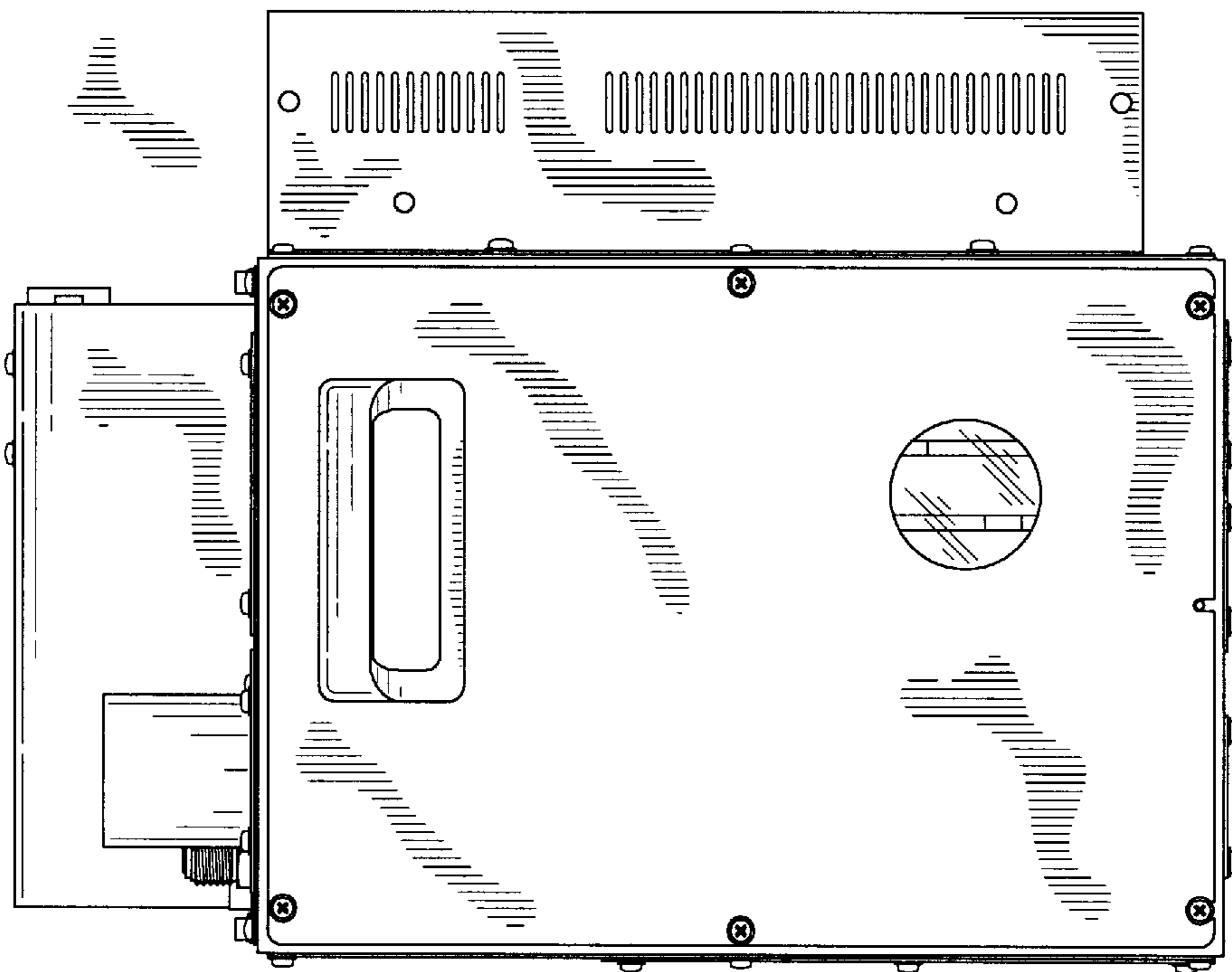


FIG-14

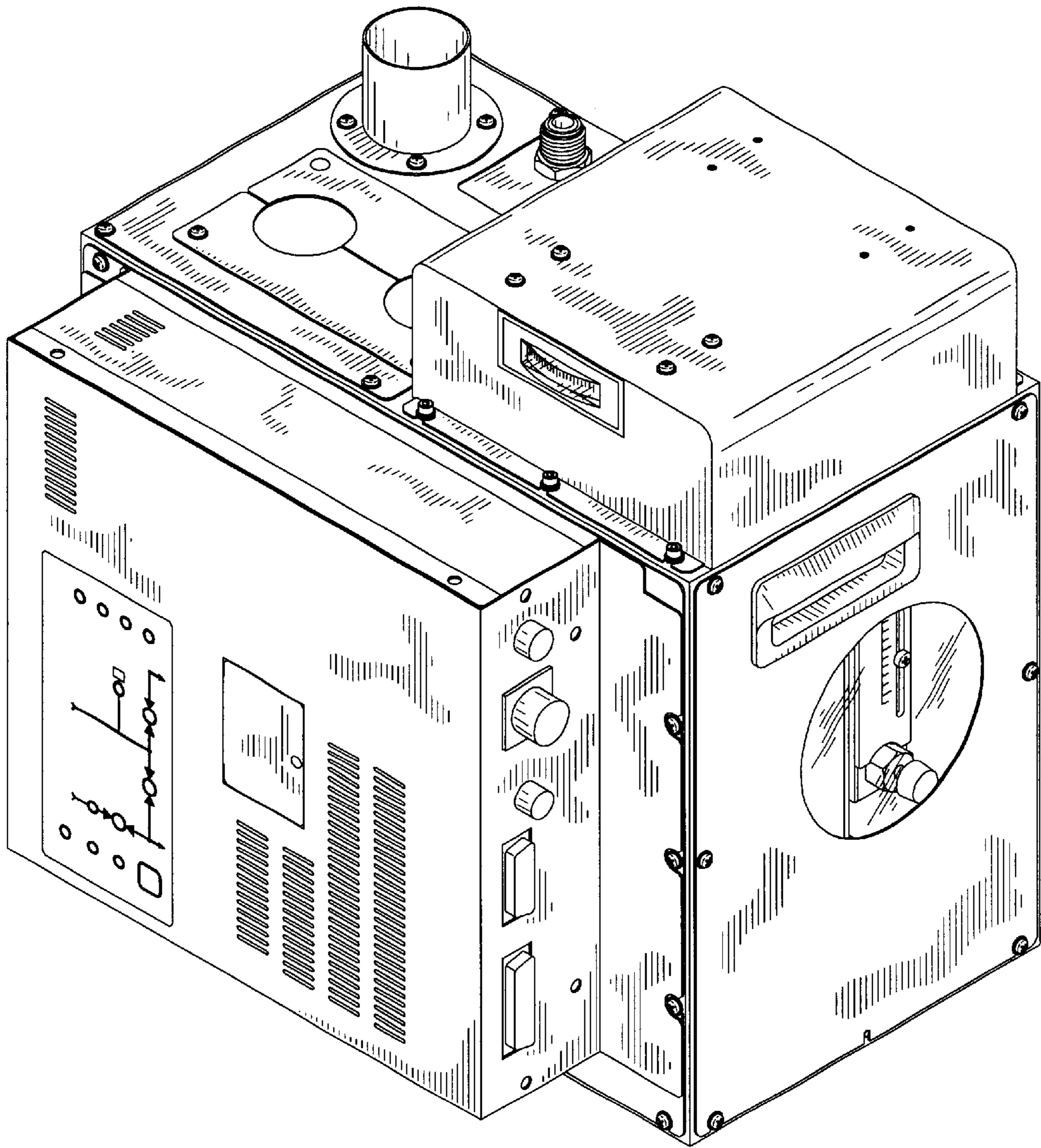


FIG-16

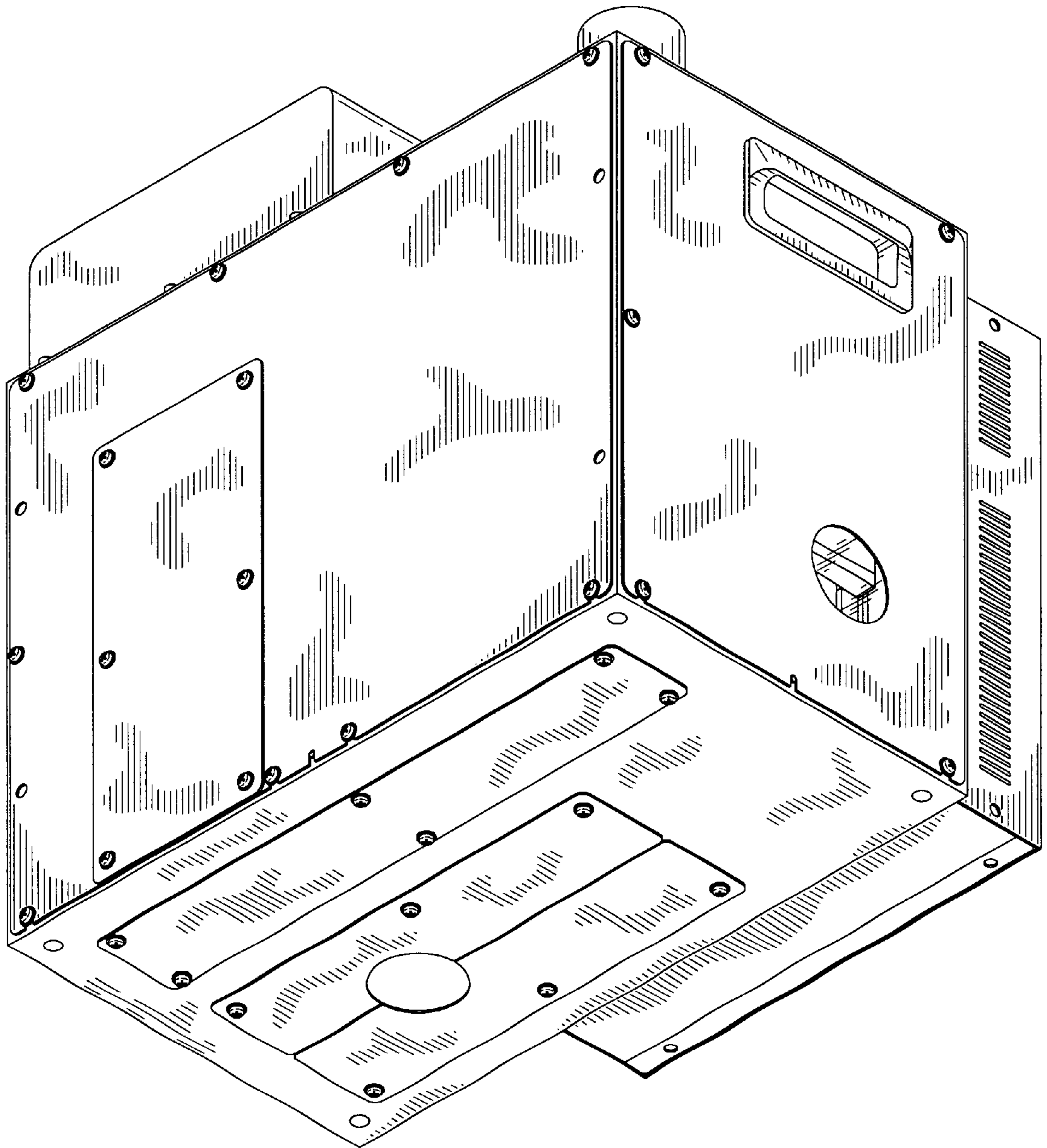


FIG-17

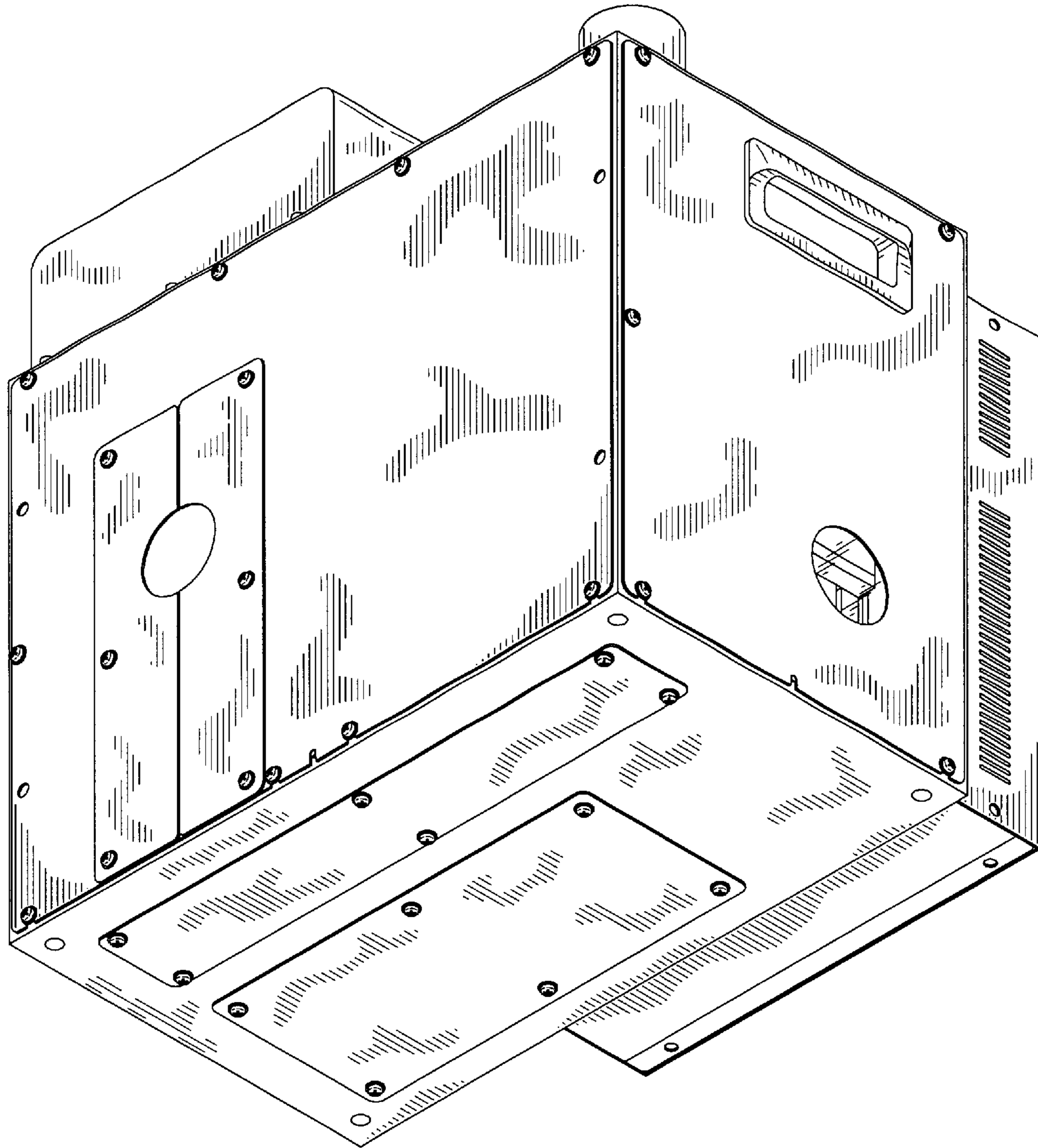


FIG-18