



US00D958745S

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

(10) **Patent No.:** **US D958,745 S**  
(45) **Date of Patent:** **\*\* Jul. 26, 2022**

- (54) **ENERGY STORAGE CABINET**
- (71) Applicant: **SUNGROW POWER SUPPLY CO., LTD.**, Hefei (CN)
- (72) Inventors: **Sigen Zheng**, Anhui (CN); **Rui Wang**, Anhui (CN); **Gaozhou Tao**, Anhui (CN); **Chenghua Zhou**, Anhui (CN)
- (73) Assignee: **SUNGROW POWER SUPPLY CO., LTD.**, Anhui (CN)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/763,628**
- (22) Filed: **Dec. 23, 2020**
- (30) **Foreign Application Priority Data**

Jul. 21, 2020 (CN) ..... 202030397554.6

- (51) **LOC (13) Cl.** ..... **13-01**
- (52) **U.S. Cl.**  
USPC ..... **D13/112**
- (58) **Field of Classification Search**  
USPC ..... D13/103, 107, 108, 110, 118, 119, 123,  
D13/133, 137.1, 184, 199; D14/433  
CPC ..... H02M 1/10; H01M 10/46; H02J 13/0096;  
H02J 7/00; H02J 7/0042  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- D501,490 S \* 2/2005 Kerrigan ..... D15/83
- D540,452 S \* 4/2007 Narayanamurthy ..... D23/351
- D574,771 S \* 8/2008 Flanigan ..... D13/122
- D576,940 S \* 9/2008 Maynard ..... D13/102

(Continued)

**OTHER PUBLICATIONS**

Energy Storage Cabinet. (Design—© Questel) orbit.com. [Online PDF compilation of references] 50 pgs. Print Dates Range Aug. 5, 2021-Mar. 11, 2021 [Retrieved Feb. 17, 2022].\*

(Continued)

*Primary Examiner* — Manpreet S Matharu  
*Assistant Examiner* — Suzanne E Tisdell  
(74) *Attorney, Agent, or Firm* — Harness, Dickey & Pierce, P.L.C.

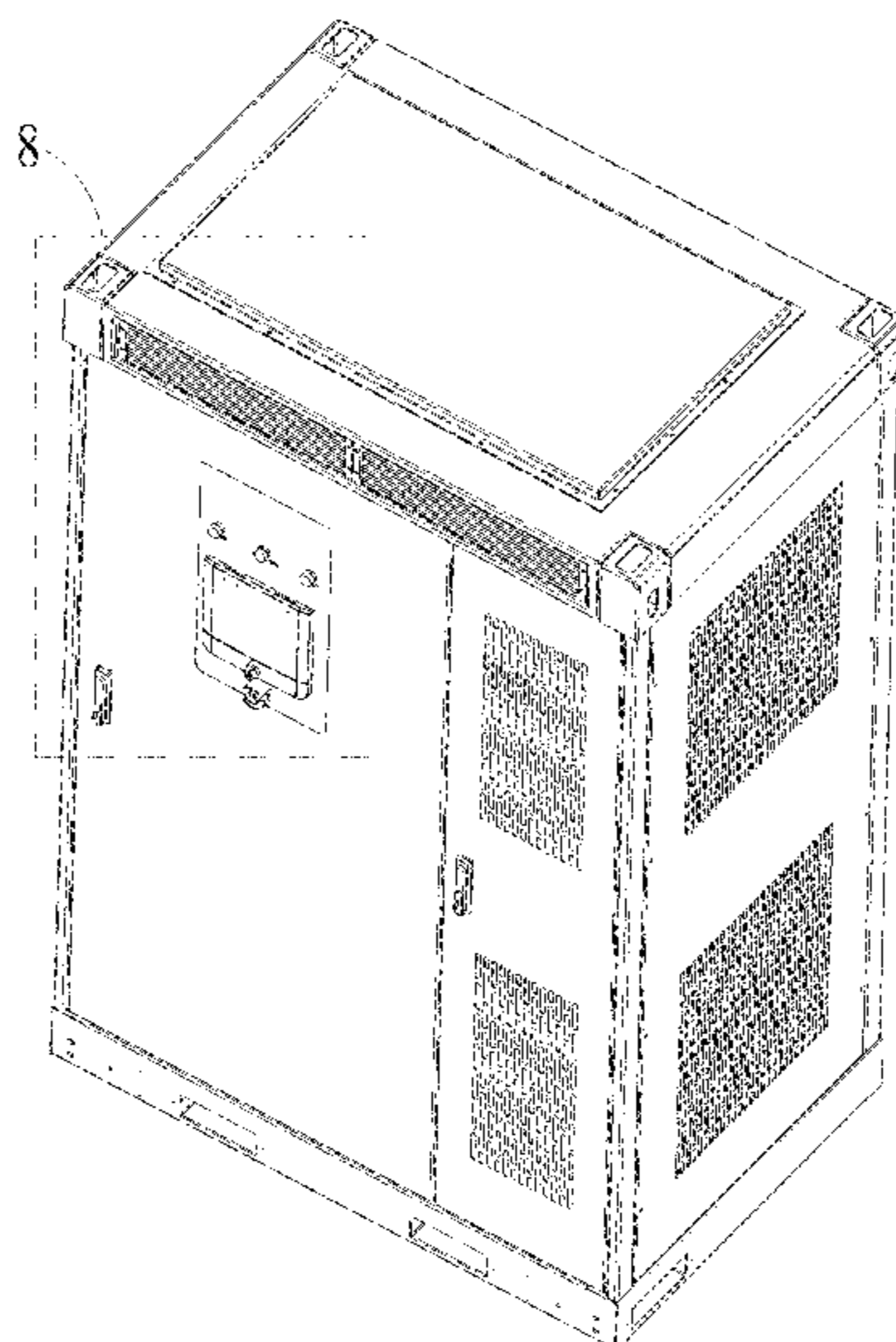
(57) **CLAIM**

What is claimed is the ornamental design for an energy storage cabinet, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front, right side perspective view of an energy storage cabinet according to a first embodiment of the present application, showing our new design; FIG. 2 is a front elevational view thereof; FIG. 3 is a rear elevational view thereof; FIG. 4 is a left side elevational view thereof; FIG. 5 is a right side elevational view thereof; FIG. 6 is a top plan view thereof; FIG. 7 is a bottom plan view thereof; FIG. 8 is an enlarged view of a portion of FIG. 1; FIG. 9 is a top, front, right side perspective of an energy storage cabinet according to a second embodiment of the present application, showing our new design; FIG. 10 is a front elevational view thereof; FIG. 11 is a rear elevational view thereof; FIG. 12 is a left side elevational view thereof; FIG. 13 is a right side elevational view thereof; FIG. 14 is a top plan view thereof; FIG. 15 is a bottom plan view thereof; and, FIG. 16 is an enlarged view of a portion of FIG. 9. The broken lines in the drawings depict portions of the energy storage cabinet that form no part of the claimed design. Additional broken lines in FIGS. 1 and 9 are to demarcate areas shown enlarged in other figures and are not part of the claimed design.

**1 Claim, 16 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D597,642	S	*	8/2009	Kaiser	.....	D23/351
D602,859	S	*	10/2009	Kaiser	.....	D13/101
D629,878	S	*	12/2010	Kaiser	.....	D23/351
D719,910	S	*	12/2014	Burkett	.....	D13/106
D842,828	S	*	3/2019	Bai	.....	D13/184
D902,142	S	*	11/2020	Zheng	.....	D13/102
D923,568	S	*	6/2021	Lee	.....	D13/110
D936,003	S	*	11/2021	Li	.....	D13/110
2022/0052113	A1	*	2/2022	Lee	.....	H01L 45/06

OTHER PUBLICATIONS

Battery Rack. Nov. 29, 2019. GrabCAD. <https://grabcad.com/library/battery-rack-4>.\*

Vertiv hpl lithium ion data sheet. 2019. Vertiv. <https://www.vertiv.com/4a74a8/globalassets/products/critical-power/uninterruptible-power-supplies-ups/vertiv-hpl-lithium-ion-data-sheet-sl-70383.pdf>.\*

Hoffmann Data Sheet. Feb. 24, 2021. Hoffmann Group. [https://cdn.hoffmann-group.com/dsh/en-GB/dsh\\_en-gb\\_1400788.pdf](https://cdn.hoffmann-group.com/dsh/en-GB/dsh_en-gb_1400788.pdf).\*

\* cited by examiner



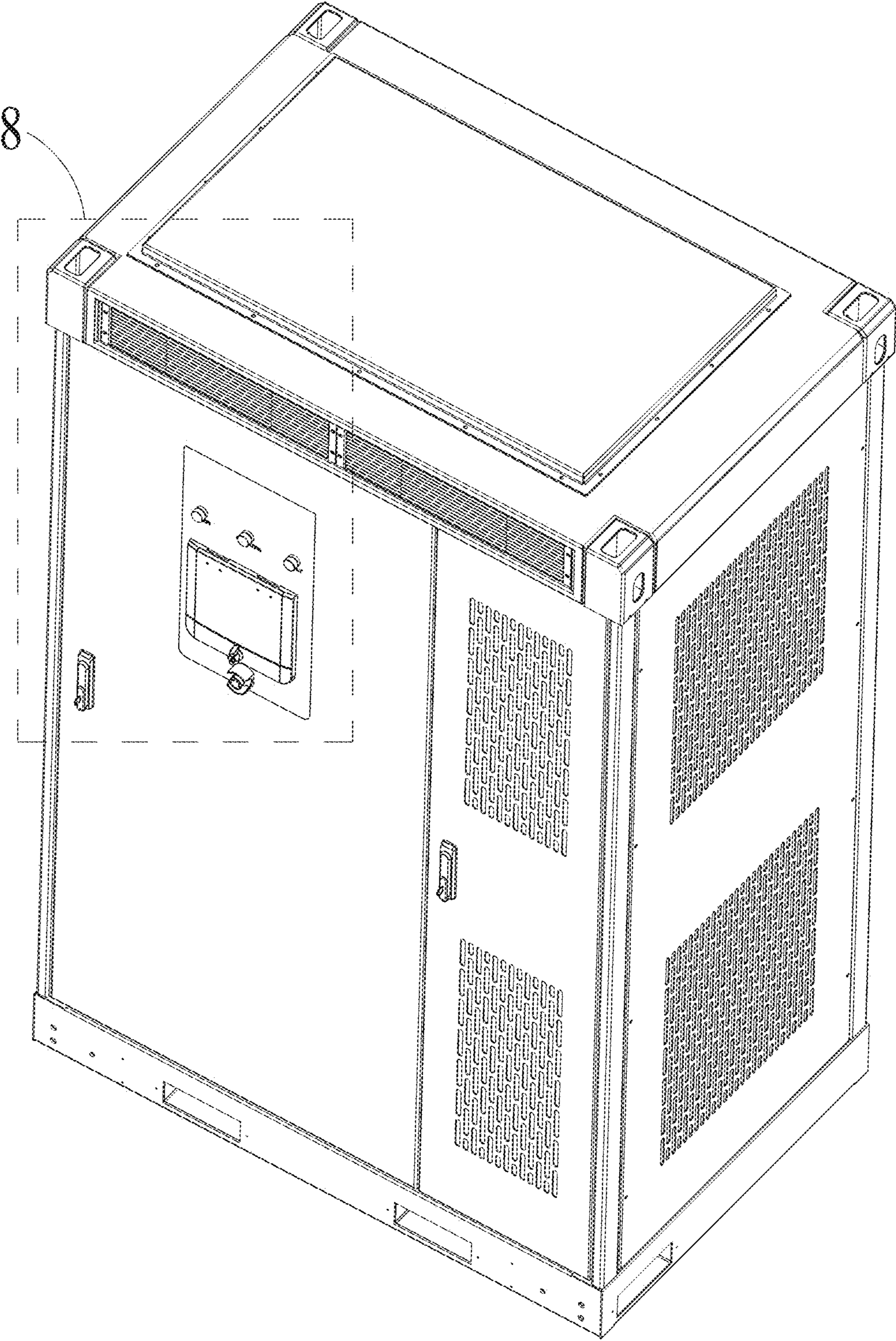


Fig. 1

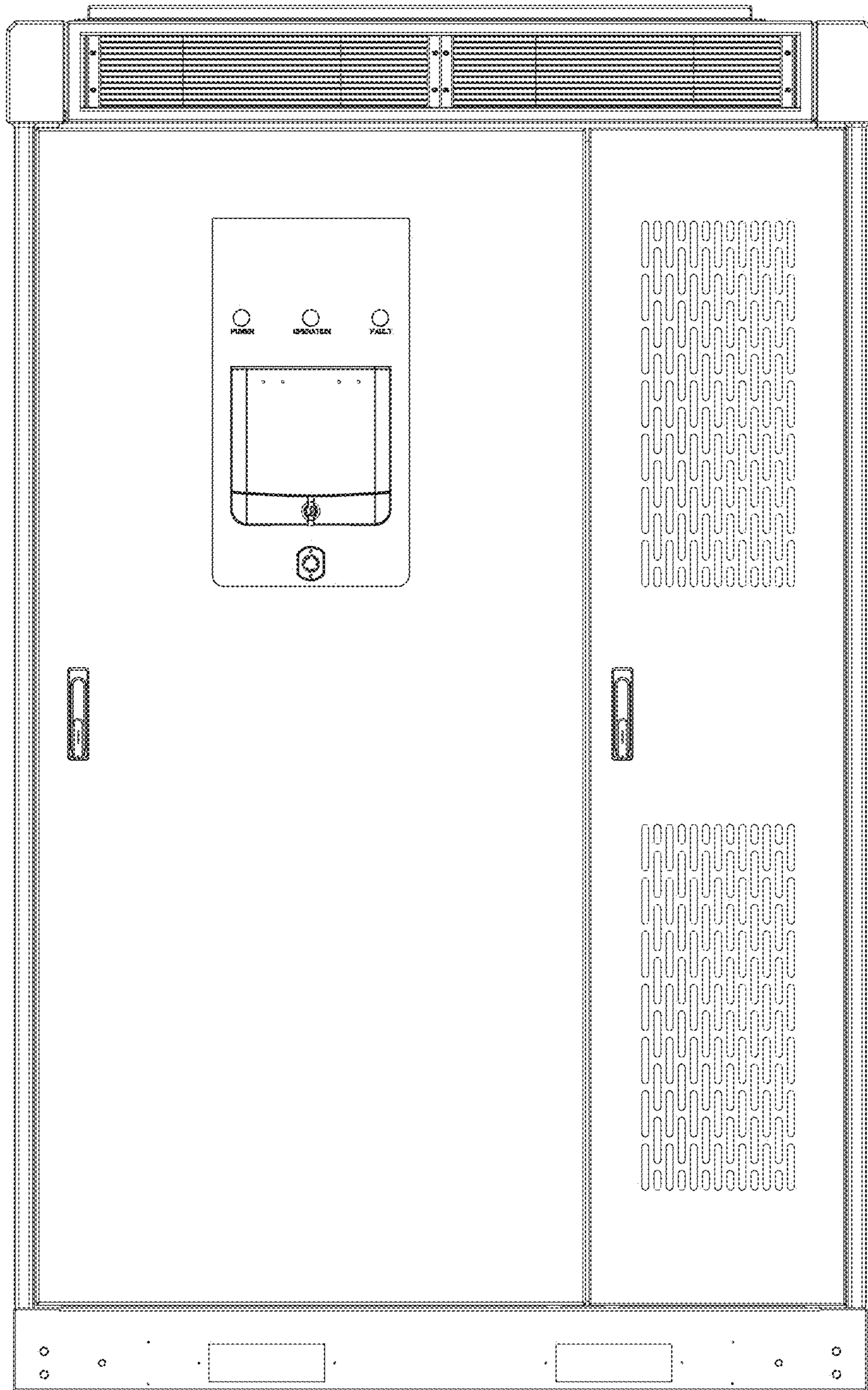


Fig. 2



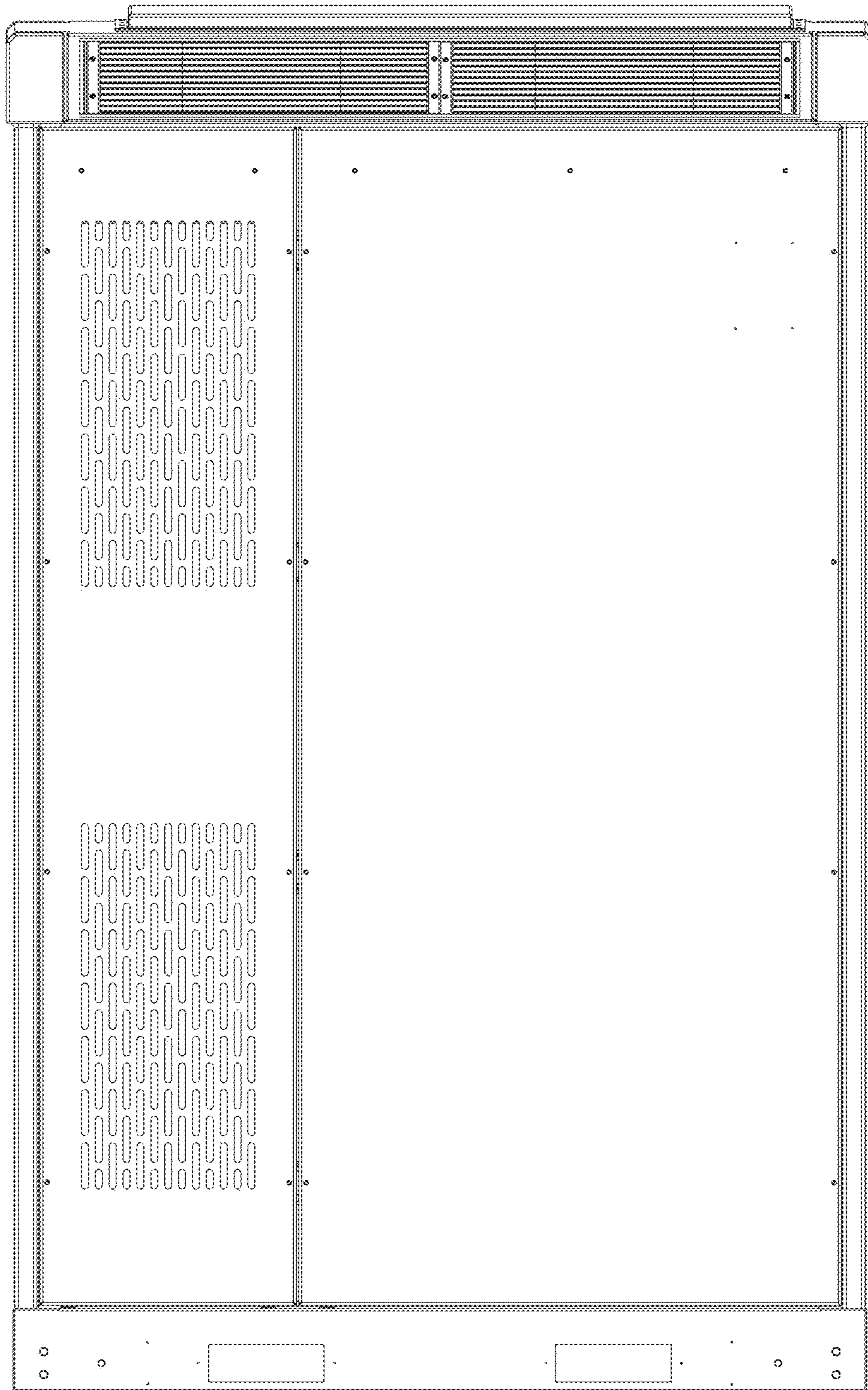


Fig. 3

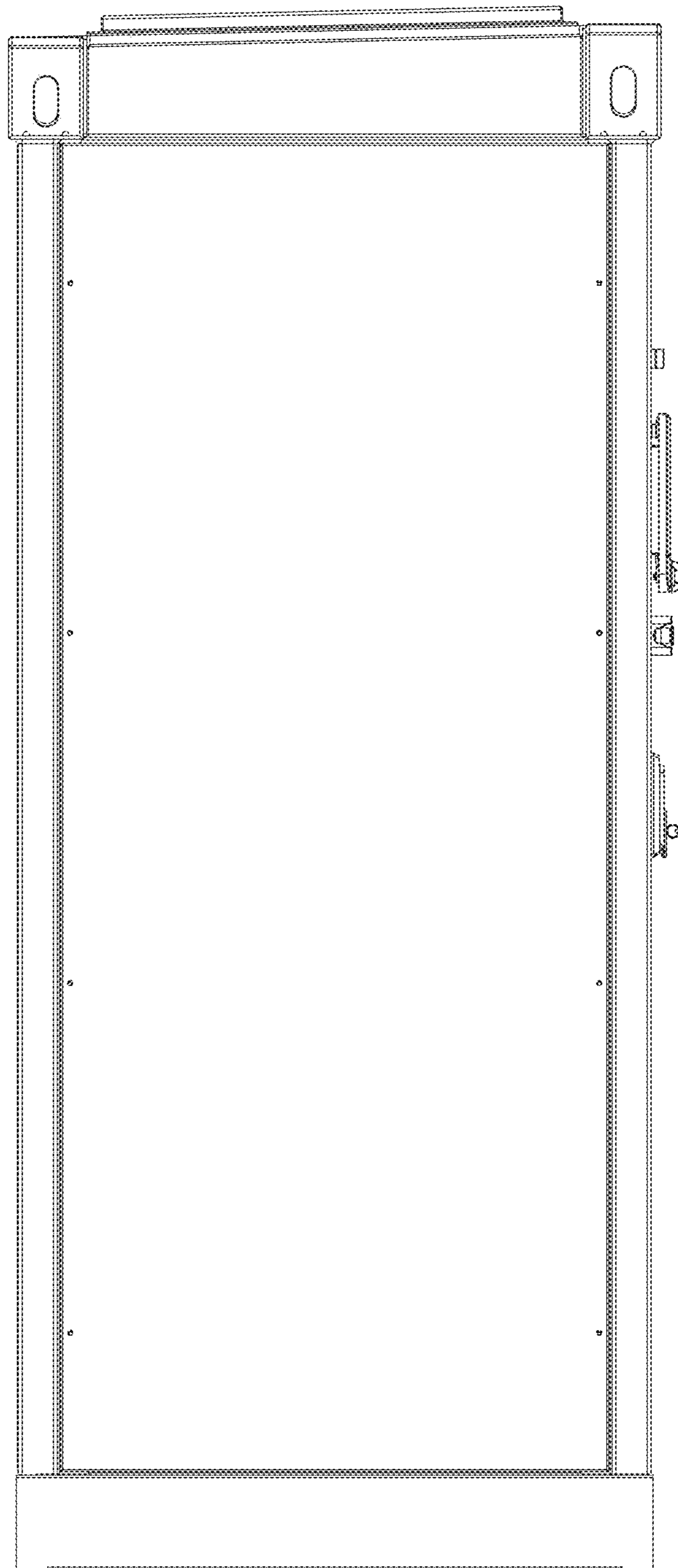


Fig. 4

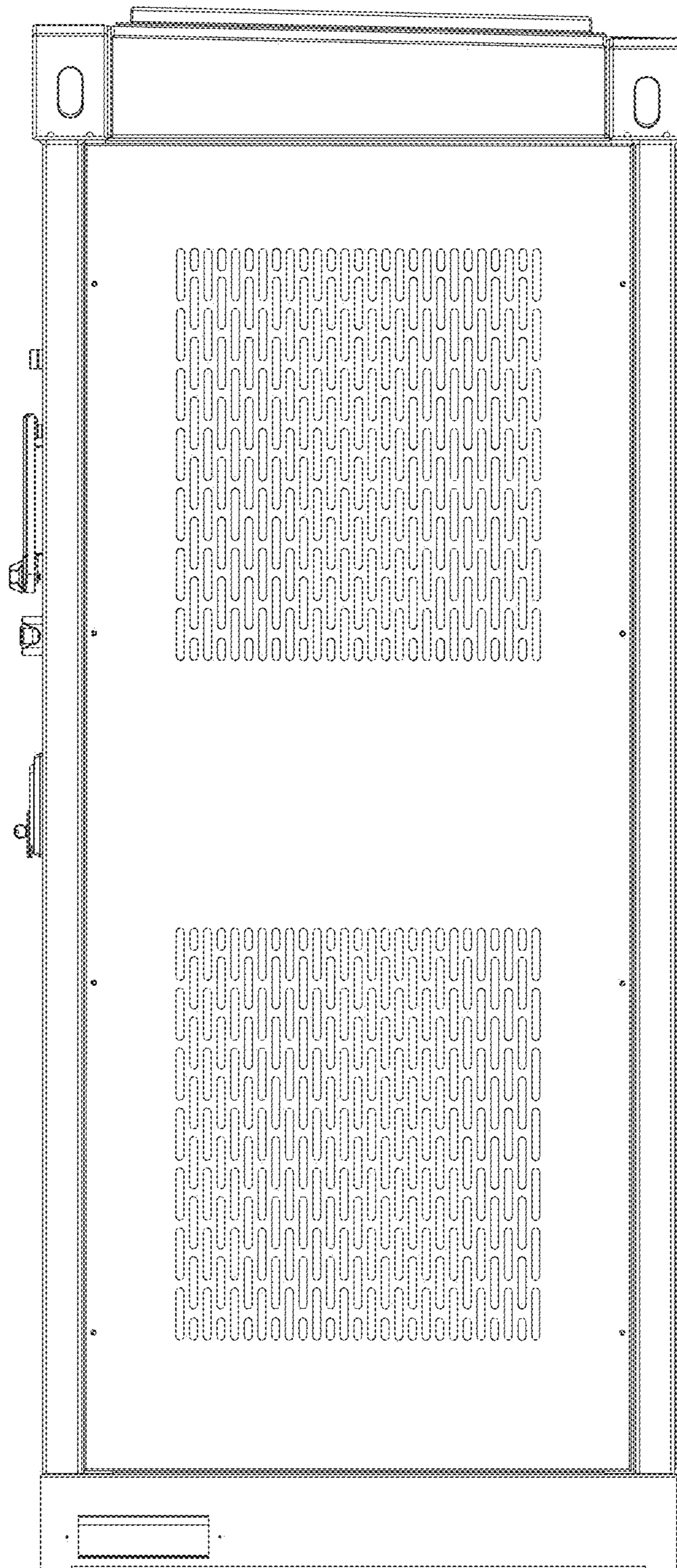


Fig. 5

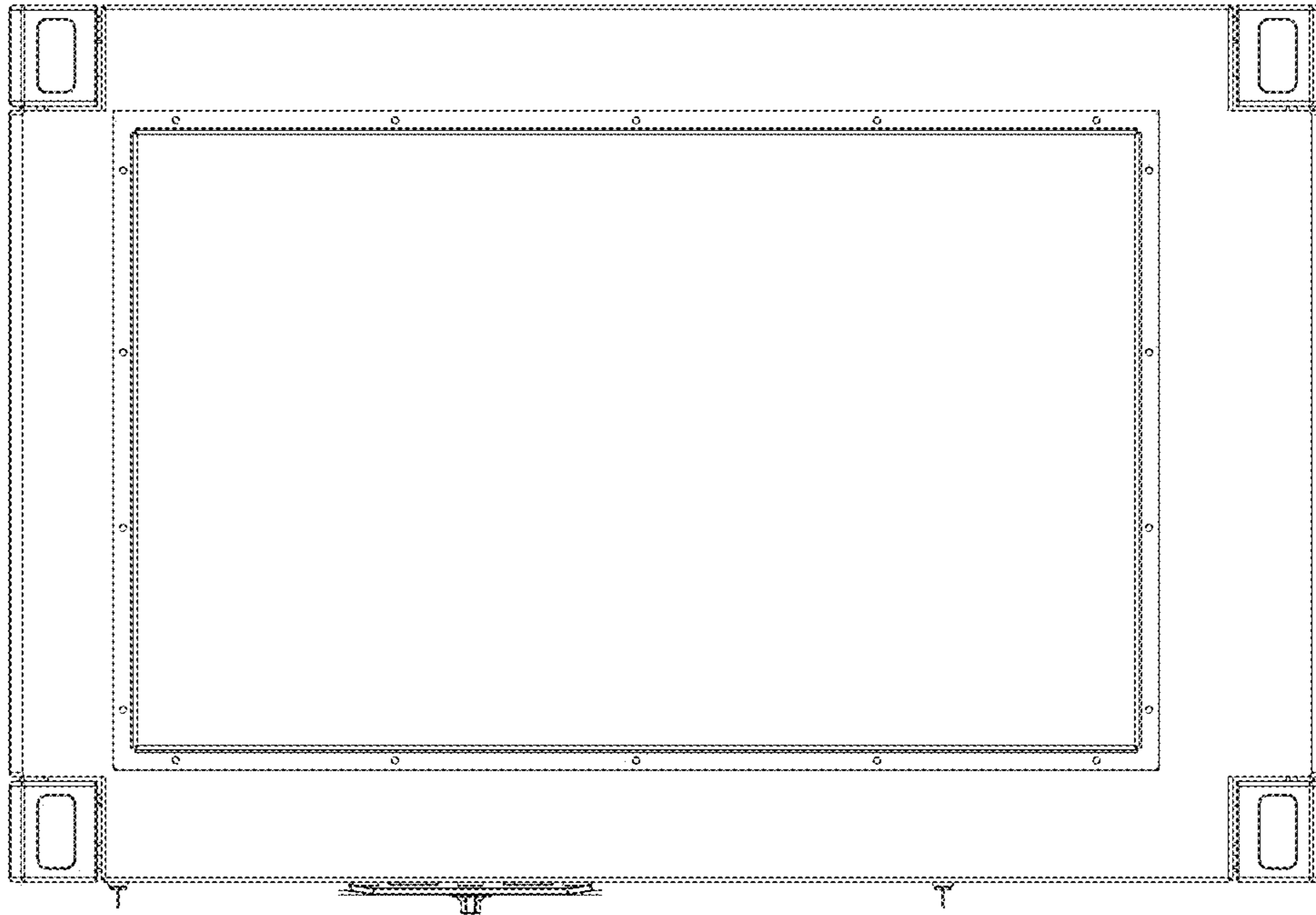


Fig. 6



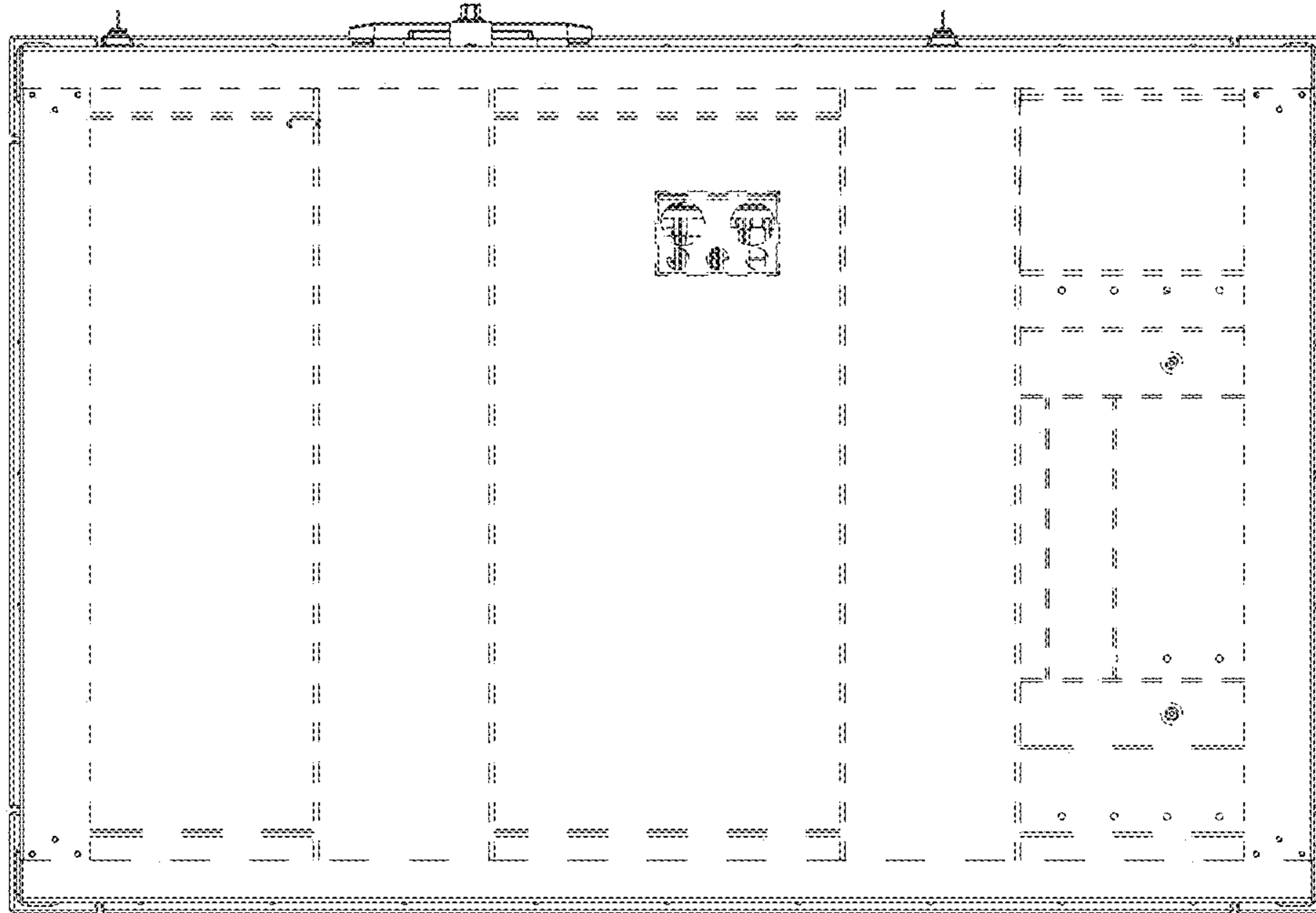


Fig. 7

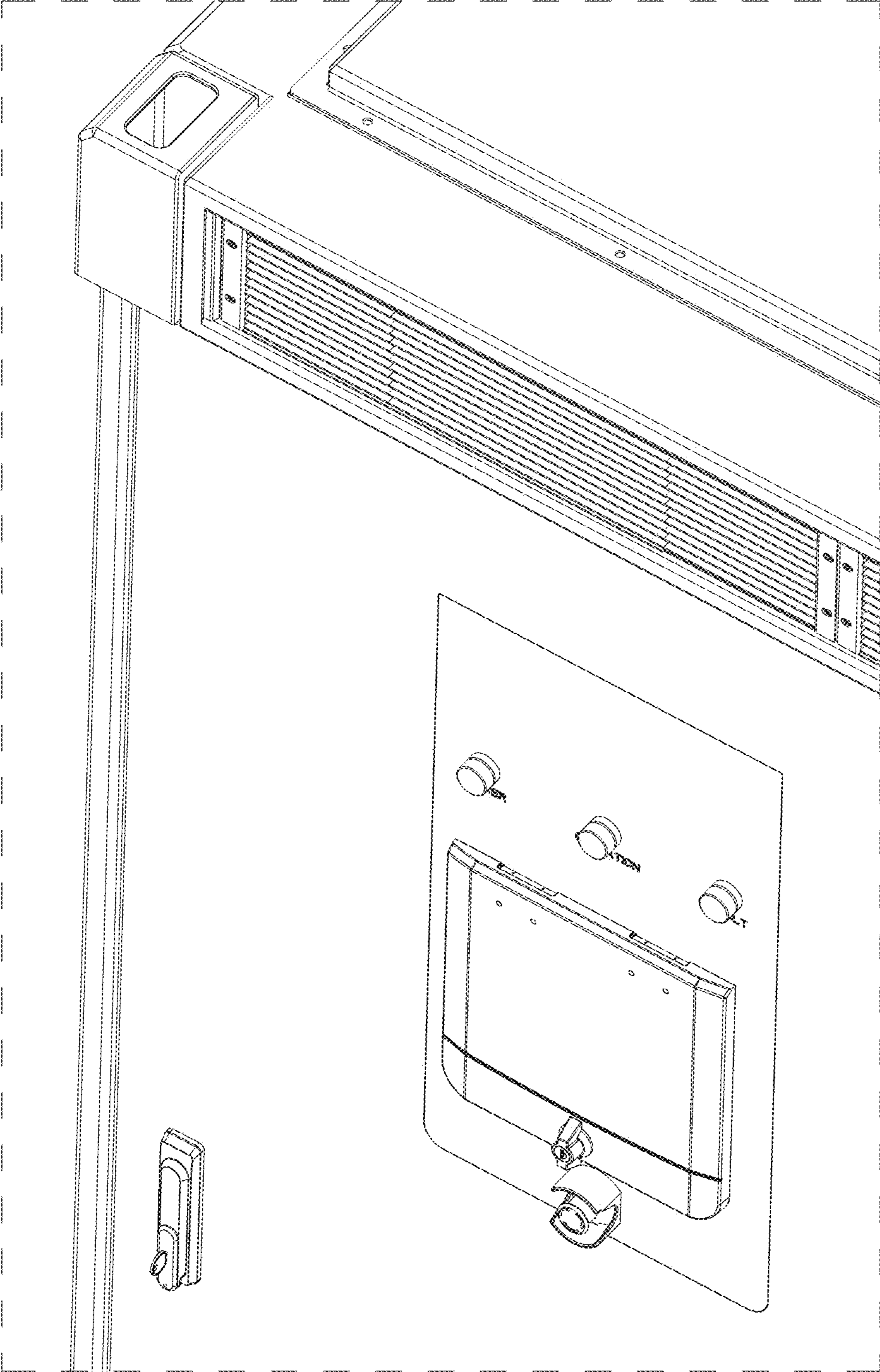


Fig. 8

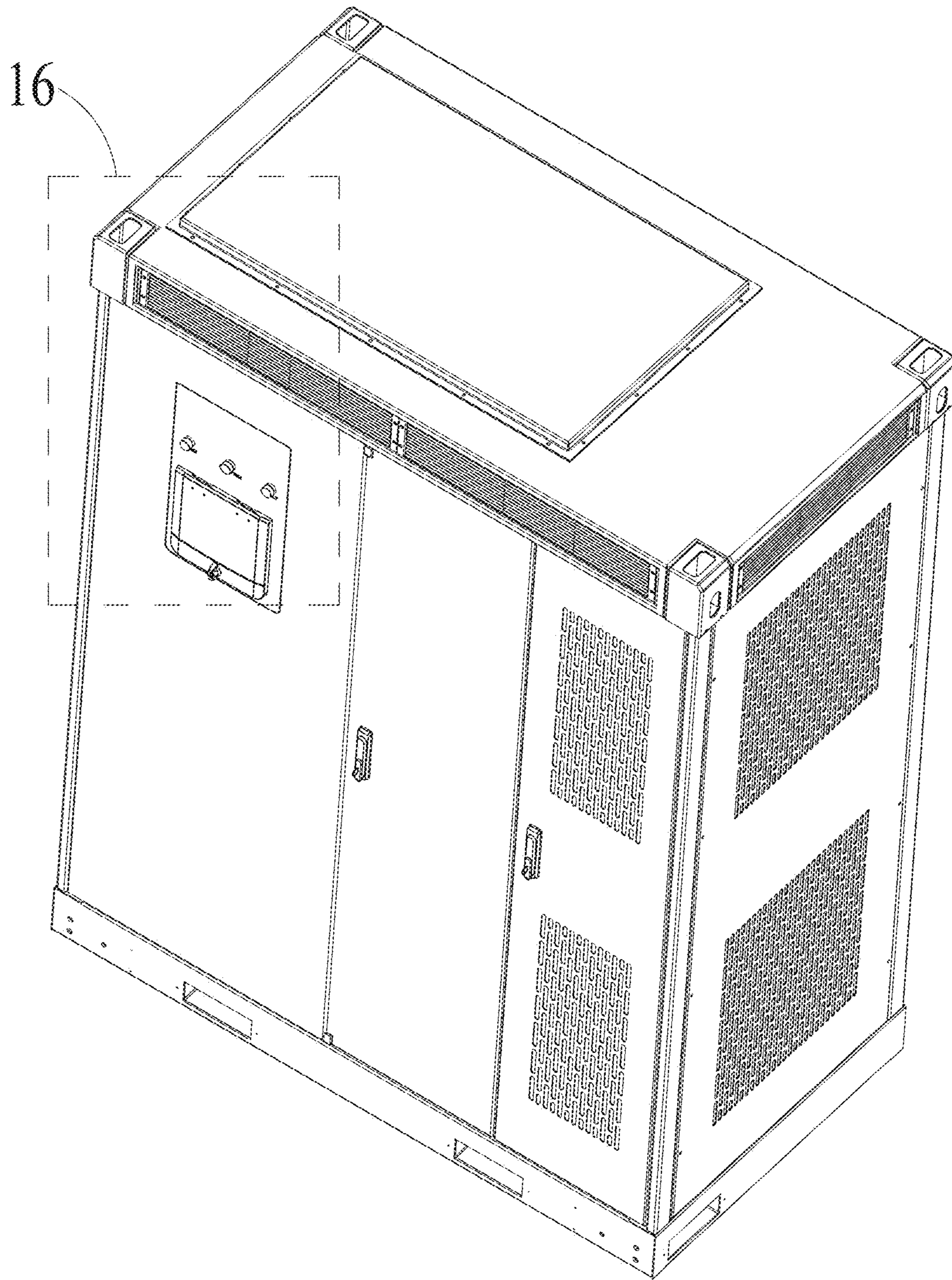


Fig. 9



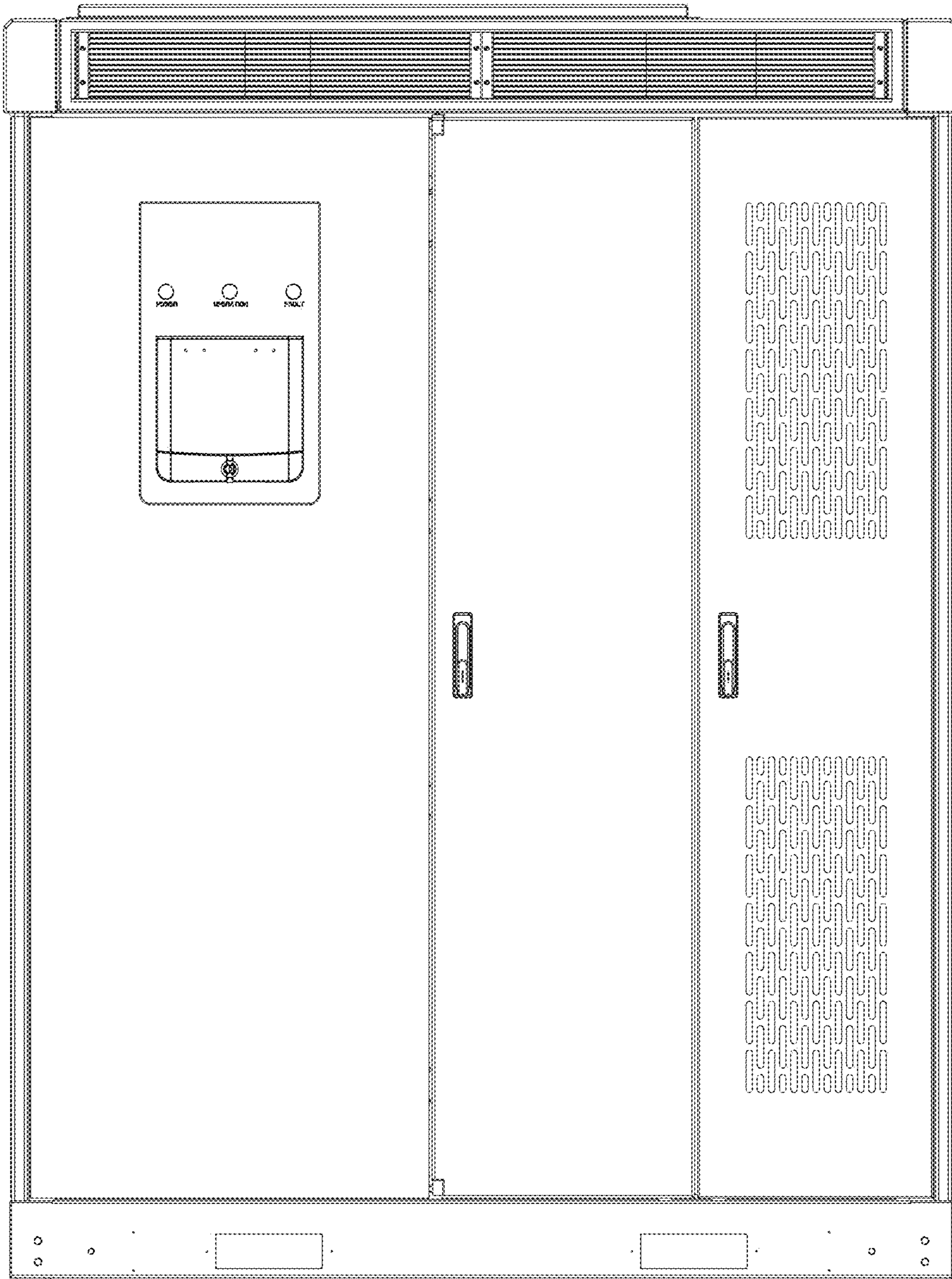


Fig. 10

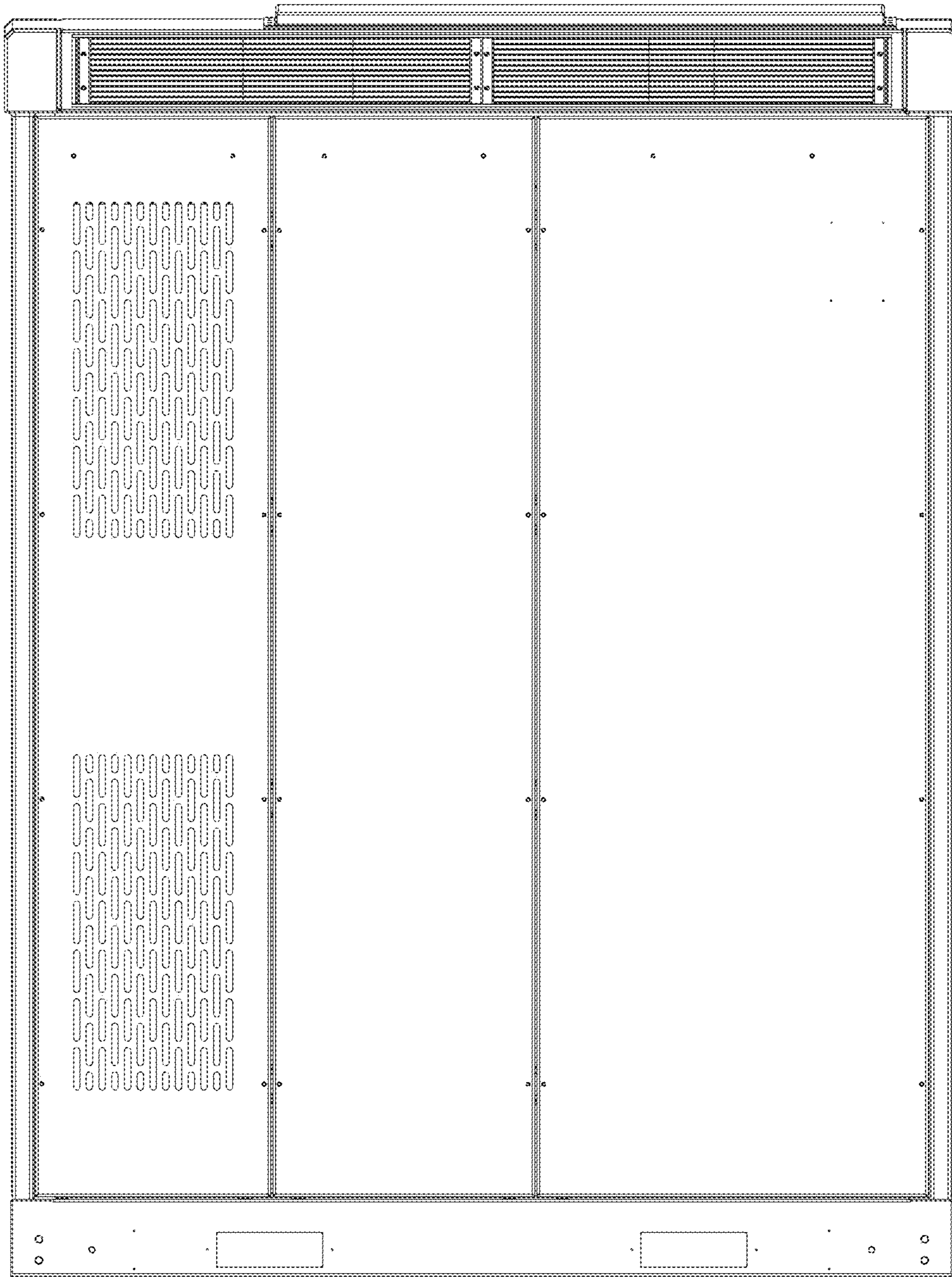


Fig. 11

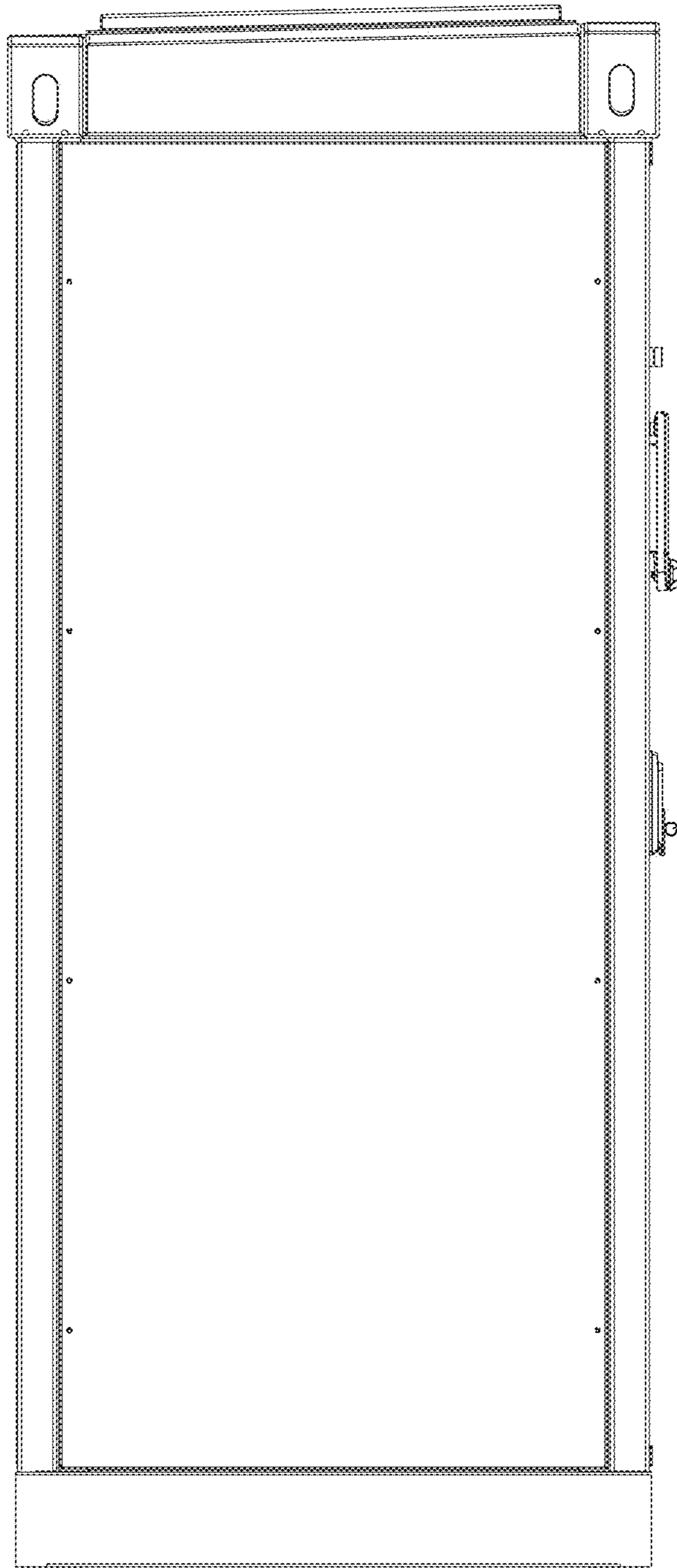


Fig. 12



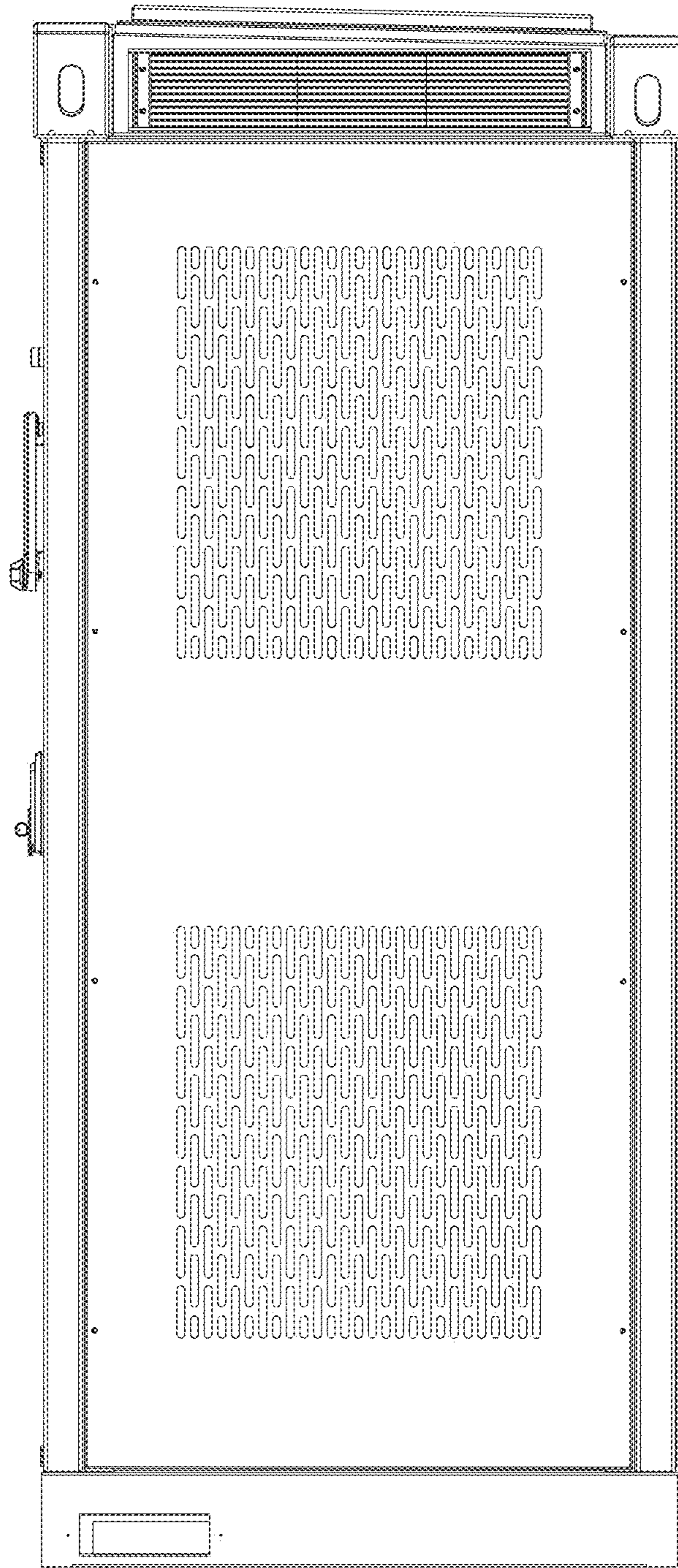


Fig. 13

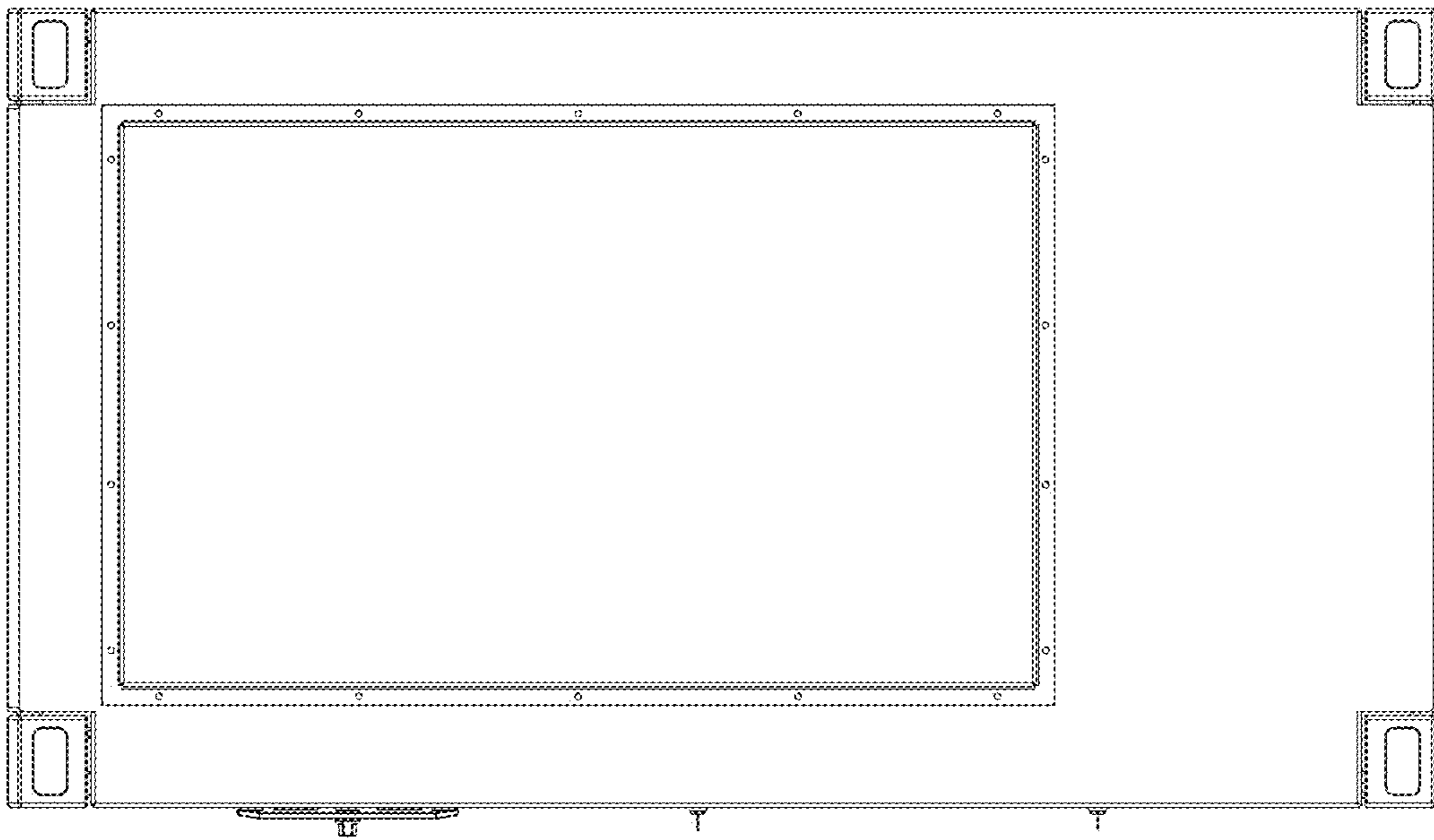


Fig. 14

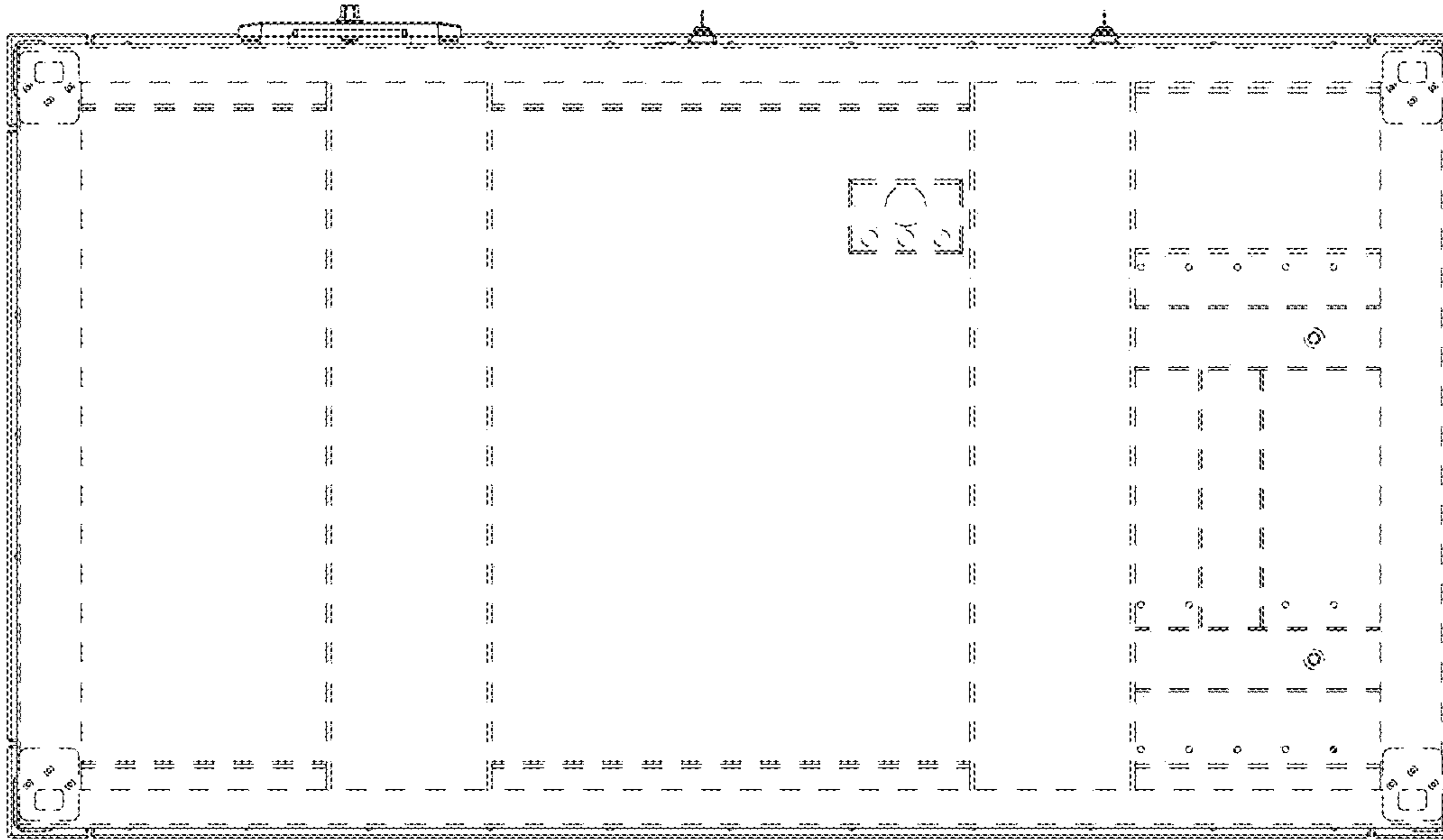


Fig. 15



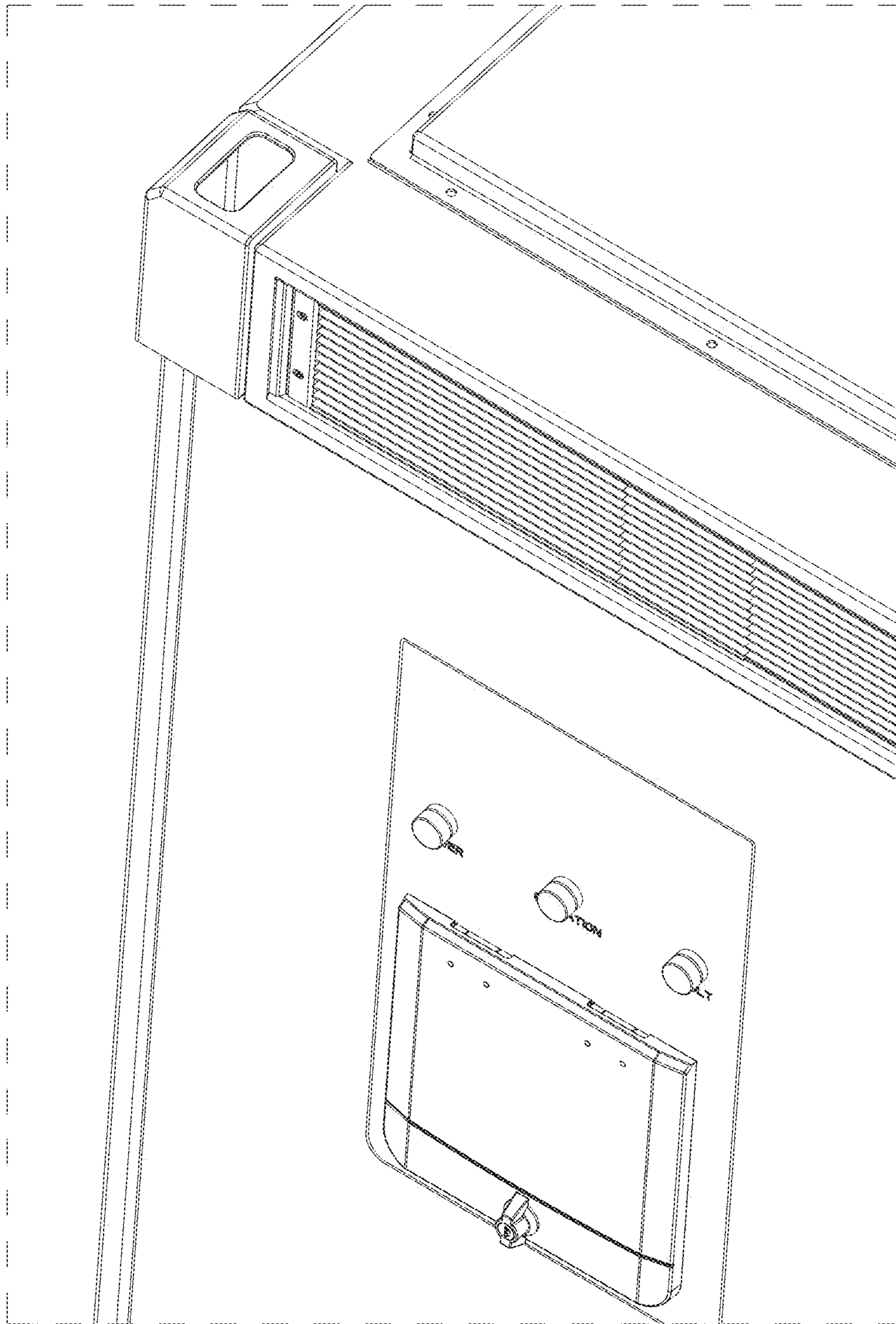


Fig. 16