



US0D1020669S

(12)

United States Design Patent

Zhuang et al.

(10) Patent No.:

US D1,020,669 S

(45) Date of Patent:

** Apr. 2, 2024

(54) SWITCH CABINET

(71) Applicant: ABB Schweiz AG, Baden (CH)

(72) Inventors: Niangshe Zhuang, Guangdong (CN);
Shaohua Huang, Fujian (CN);
Yongping Lin, Fujian (CN)

(73) Assignee: ABB SCHWEIZ AG, Baden (CH)

(**) Term: 15 Years

(21) Appl. No.: 29/864,715

(22) Filed: Jun. 14, 2022

(30) Foreign Application Priority Data

Dec. 14, 2021	(CN)	202130825729.3
---------------	------	----------------

(51) LOC (14) Cl. 13-03

(52) U.S. Cl. D13/184

(58) Field of Classification Search

USPC	D13/156, 158, 169, 171, 174, 177, 184, D13/199
------	--

(Continued)

(56) References Cited

U.S. PATENT DOCUMENTS

D297,837 S	*	9/1988	Shibuya	D14/311
D325,829 S	*	5/1992	Cury	D14/125

(Continued)

FOREIGN PATENT DOCUMENTS

CN	301545473	*	5/2011
CN	304678096	*	6/2018

(Continued)

OTHER PUBLICATIONS

StarTech.com 12U 19" Wall Mount Network Cabinet, Posted Date Jul. 25, 2017 [online], [Retrieved Sep. 7, 2023] Retrieved from

internet. <https://www.amazon.com/StarTech-com-Wall-Mount-Server-Cabinet/dp/B0747W1GNZ?th=1> (Year: 2023).*

Primary Examiner — Leanne Was-Englehart

Assistant Examiner — Devin Kelly

(74) Attorney, Agent, or Firm — Greenberg Traurig, LLP

(57) CLAIM

The ornamental design for a switch cabinet, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of a first embodiment of a switch cabinet showing our new design;

FIG. 2 is a rear elevational view of the first embodiment thereof;

FIG. 3 is a left side elevational view of the first embodiment thereof;

FIG. 4 is a right side elevational view of the first embodiment thereof;

FIG. 5 is a top plan view of the first embodiment thereof;

FIG. 6 is a bottom plan view of the first embodiment thereof;

FIG. 7 is a perspective elevational view of the first embodiment thereof;

FIG. 8 is an enlarged front elevational view of some elements shown in FIG. 10 thereof;

FIG. 9 is an enlarged front elevational view of some elements shown in FIG. 10 thereof;

FIG. 10 is a front elevational view according to a second embodiment thereof;

FIG. 11 is a rear elevational view to the second embodiment thereof;

FIG. 12 is a left side elevational view to the second embodiment thereof;

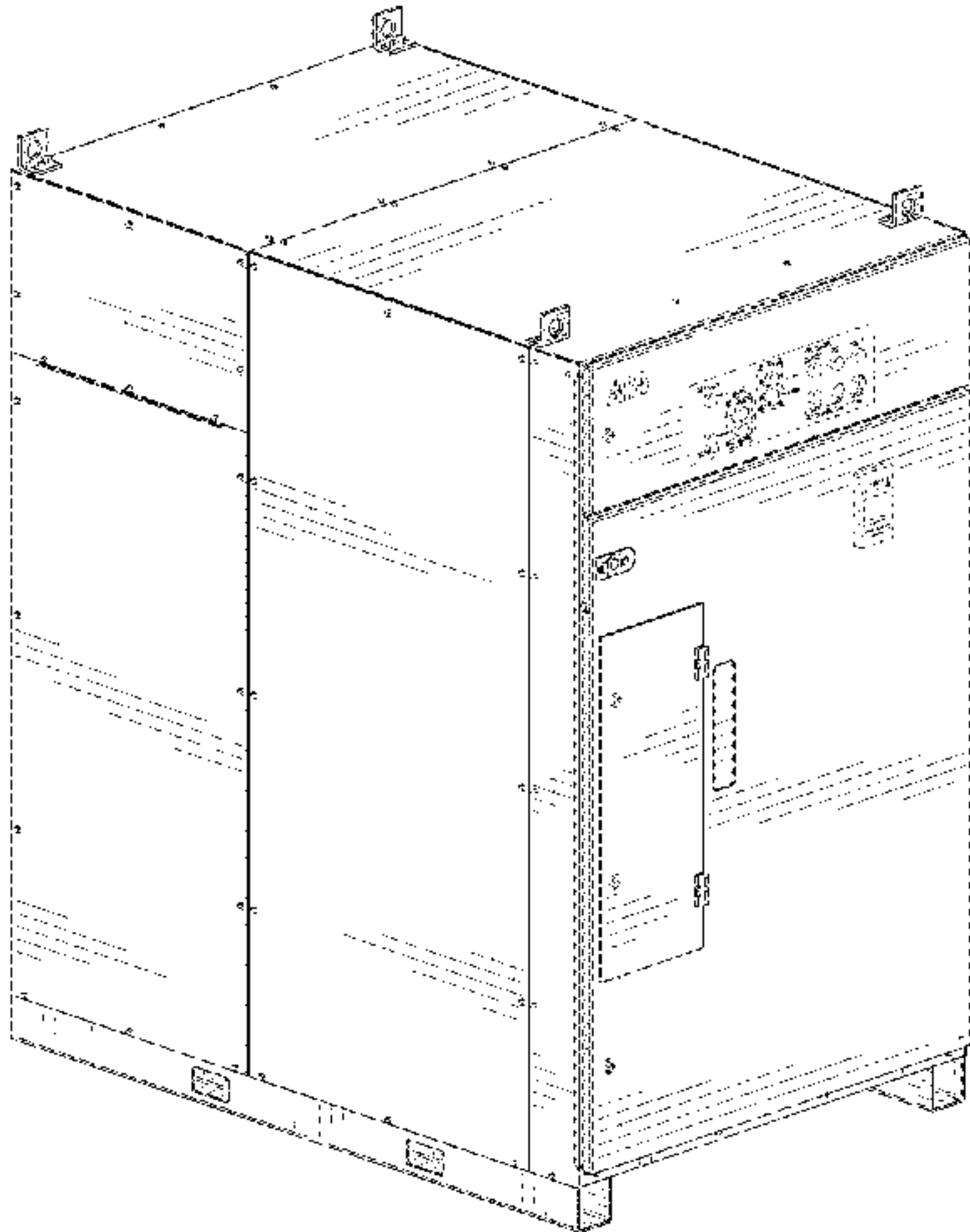
FIG. 13 is a right side elevational view to the second embodiment thereof;

FIG. 14 is a top plan view to the second embodiment thereof;

FIG. 15 is a bottom plan view to the second embodiment thereof; and,

FIG. 16 is a perspective elevational view of a switch cabinet according to the second embodiment.

(Continued)



The broken lines in the drawings form no part of the claimed design. The dash-dot-dash lines in the drawings depict boundaries of the claimed design.

1 Claim, 15 Drawing Sheets

(58) Field of Classification Search

CPC .. H04Q 1/025; H01R 13/447; H01R 13/6395;
H01R 13/74; H01H 9/00; H01H 9/0207;
H01H 9/02; H01H 9/0264; H02G 3/10;
H02G 3/12

See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

6,548,753 B1 * 4/2003 Blackmon, Jr. H04Q 1/025
D13/184
D479,202 S * 9/2003 Fujikura D13/158

D578,493 S * 10/2008 Figueroa D13/184
D633,059 S * 2/2011 Delakowitz D14/308
D743,358 S * 11/2015 Cagliani D13/184
D851,592 S * 6/2019 Poikolainen D13/123
D894,133 S * 8/2020 Brenk D13/158
D969,485 S * 11/2022 Chiu D13/184
2004/0085714 A1 * 5/2004 Yonenaka H05K 7/1491
D13/158
2012/0273438 A1 * 11/2012 Nordin H05K 7/1491
D13/184
2016/0324035 A1 * 11/2016 Gao H05K 7/20572
2017/0346054 A1 * 11/2017 Elkins H04Q 1/025
2020/0113082 A1 * 4/2020 Yang H04Q 1/025
2021/0242669 A1 * 8/2021 Fedtke H02B 13/025
2022/0007535 A1 * 1/2022 Li H05K 7/1491

FOREIGN PATENT DOCUMENTS

CN 305567760 * 1/2020
CN 306018739 * 8/2020
CN 308250343 * 9/2023
GB 6213612 * 9/2022

* cited by examiner

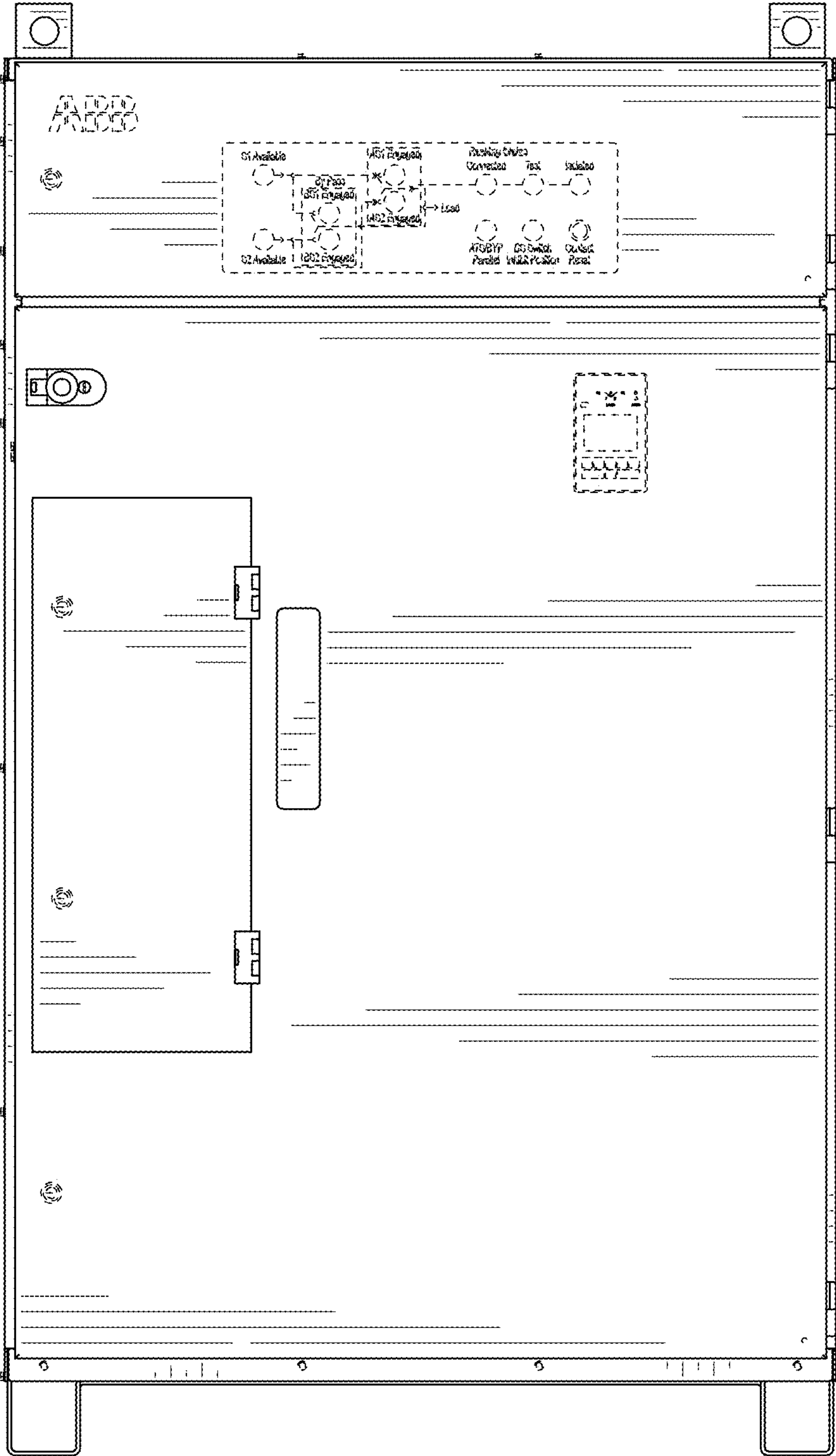


FIG. 1

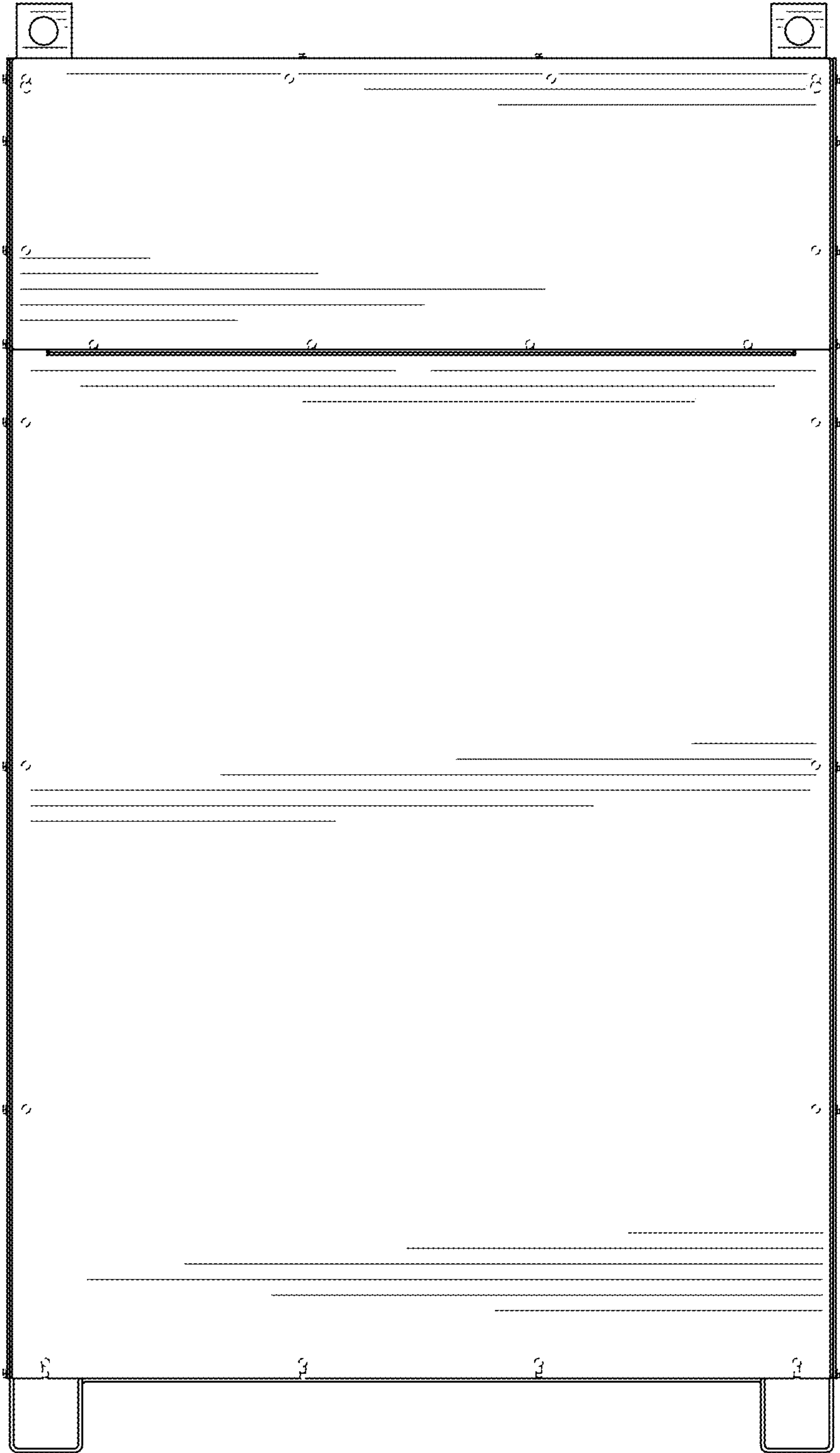


FIG. 2

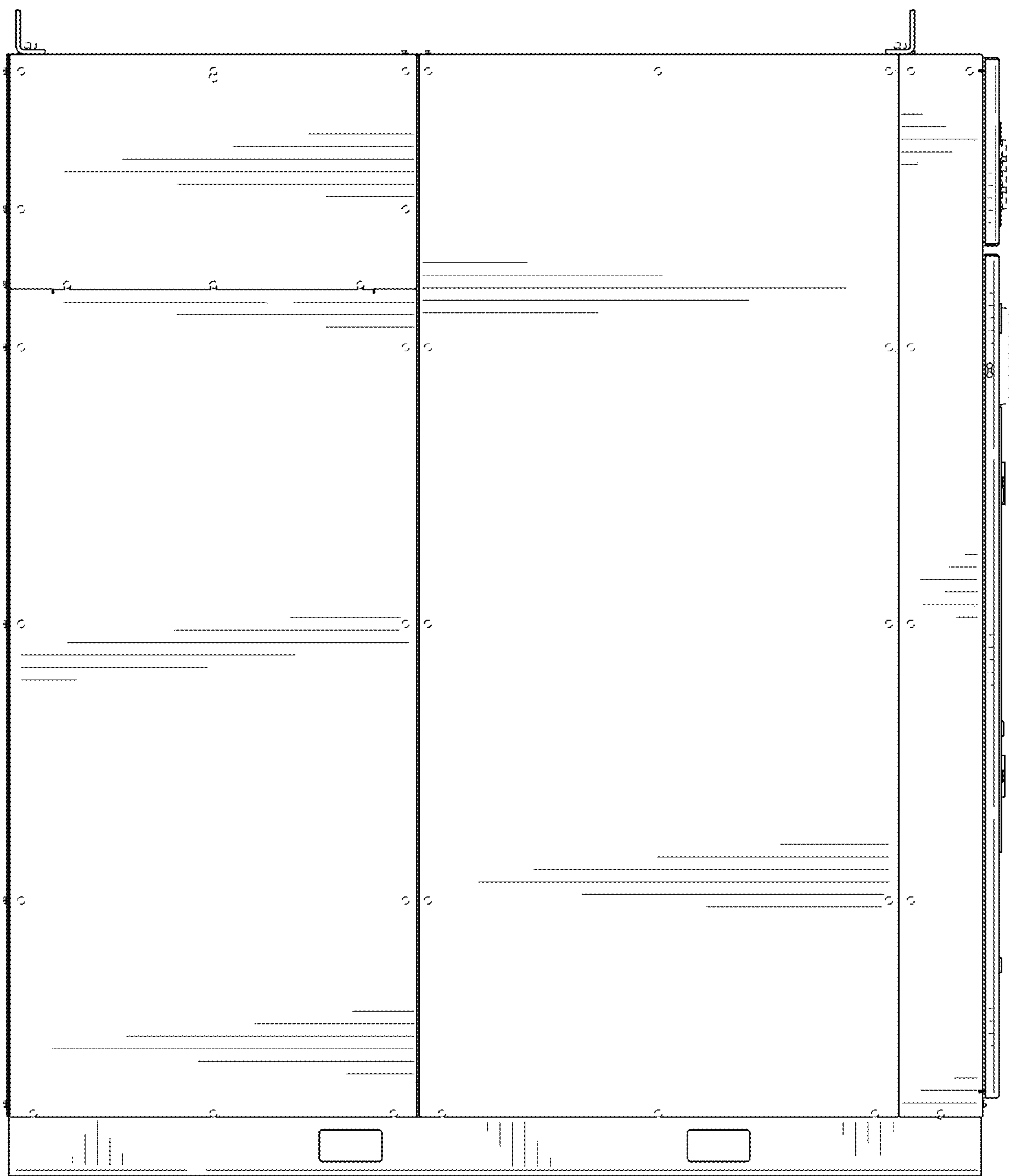


FIG. 3

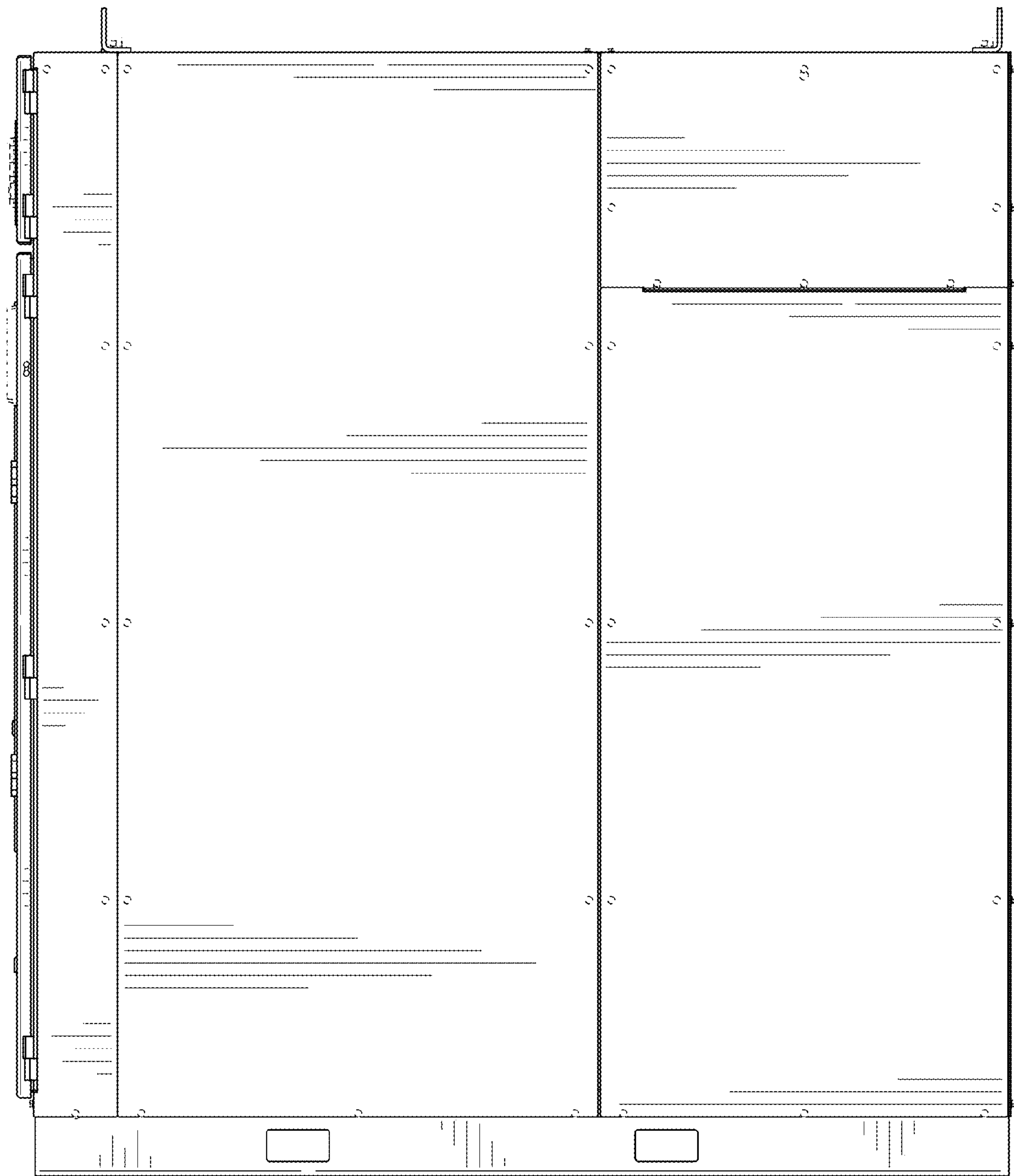


FIG. 4

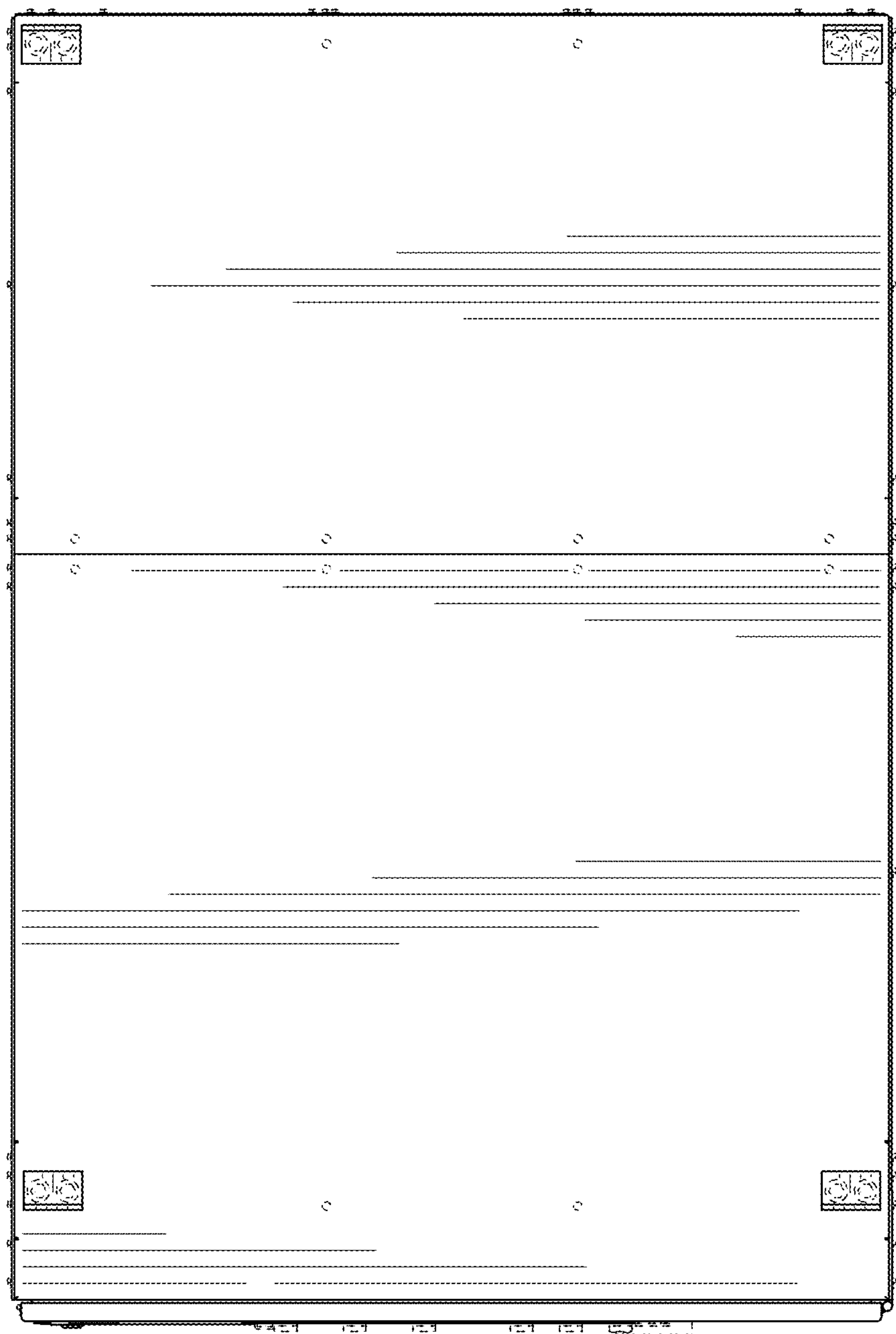


FIG. 5

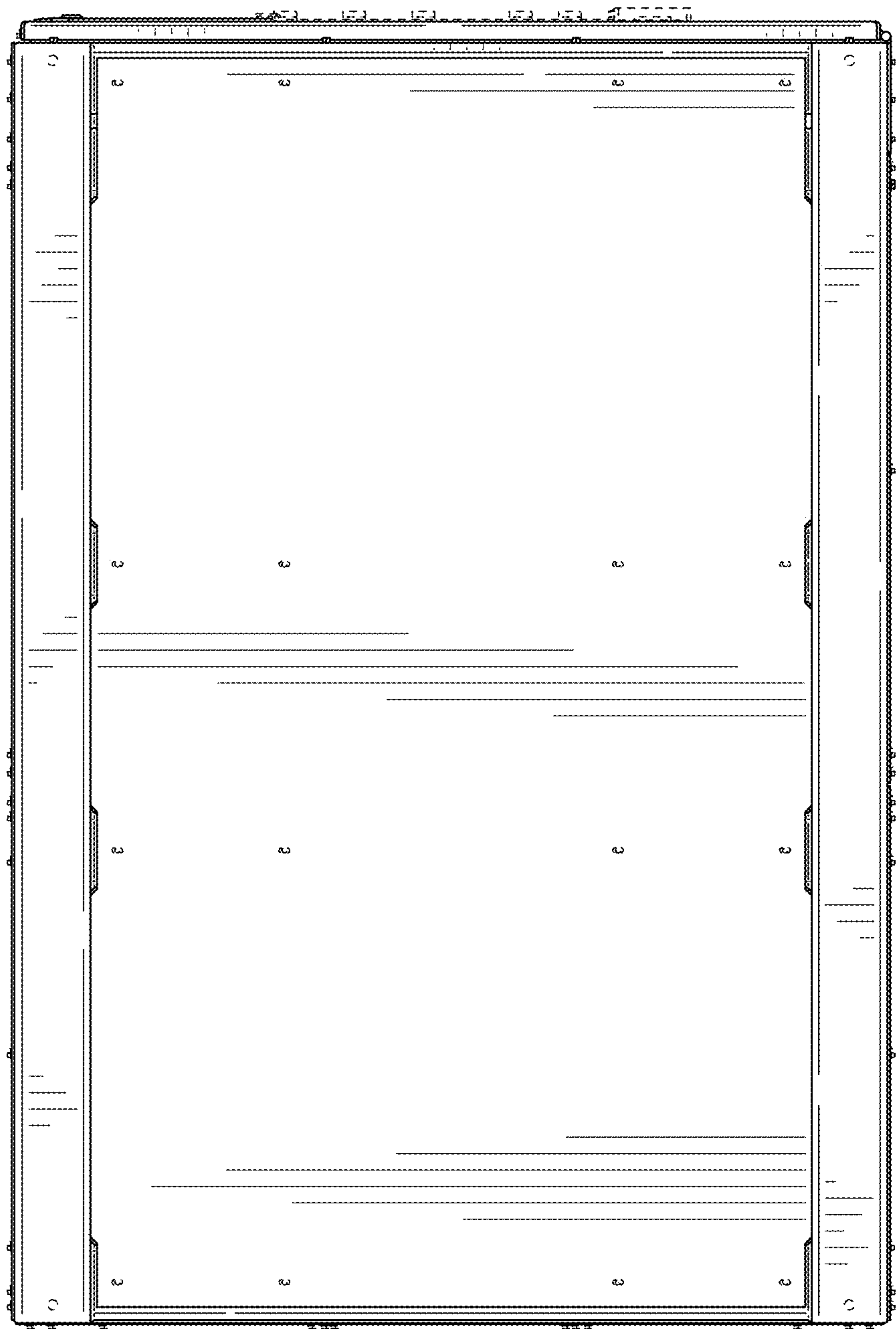


FIG. 6

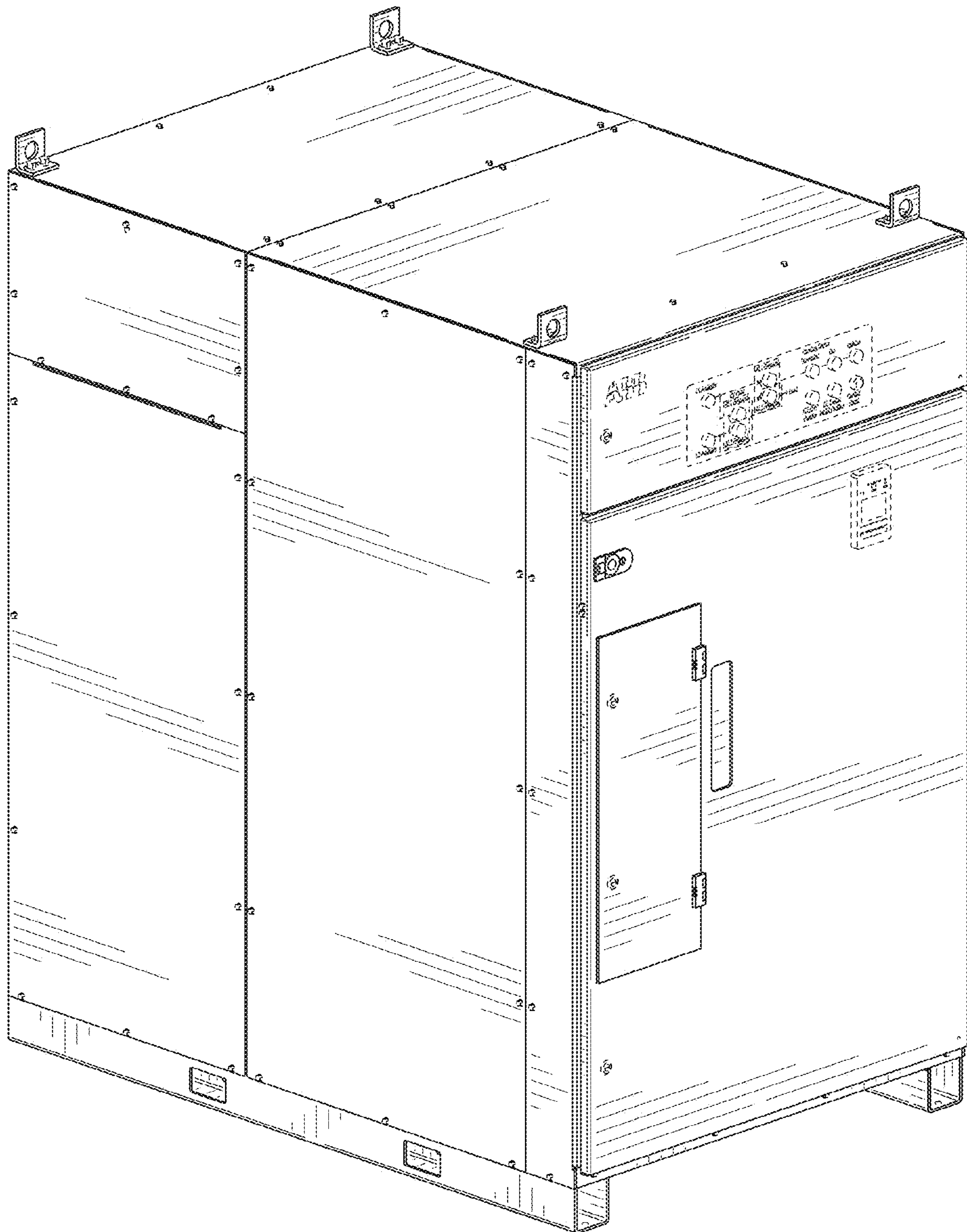


FIG. 7

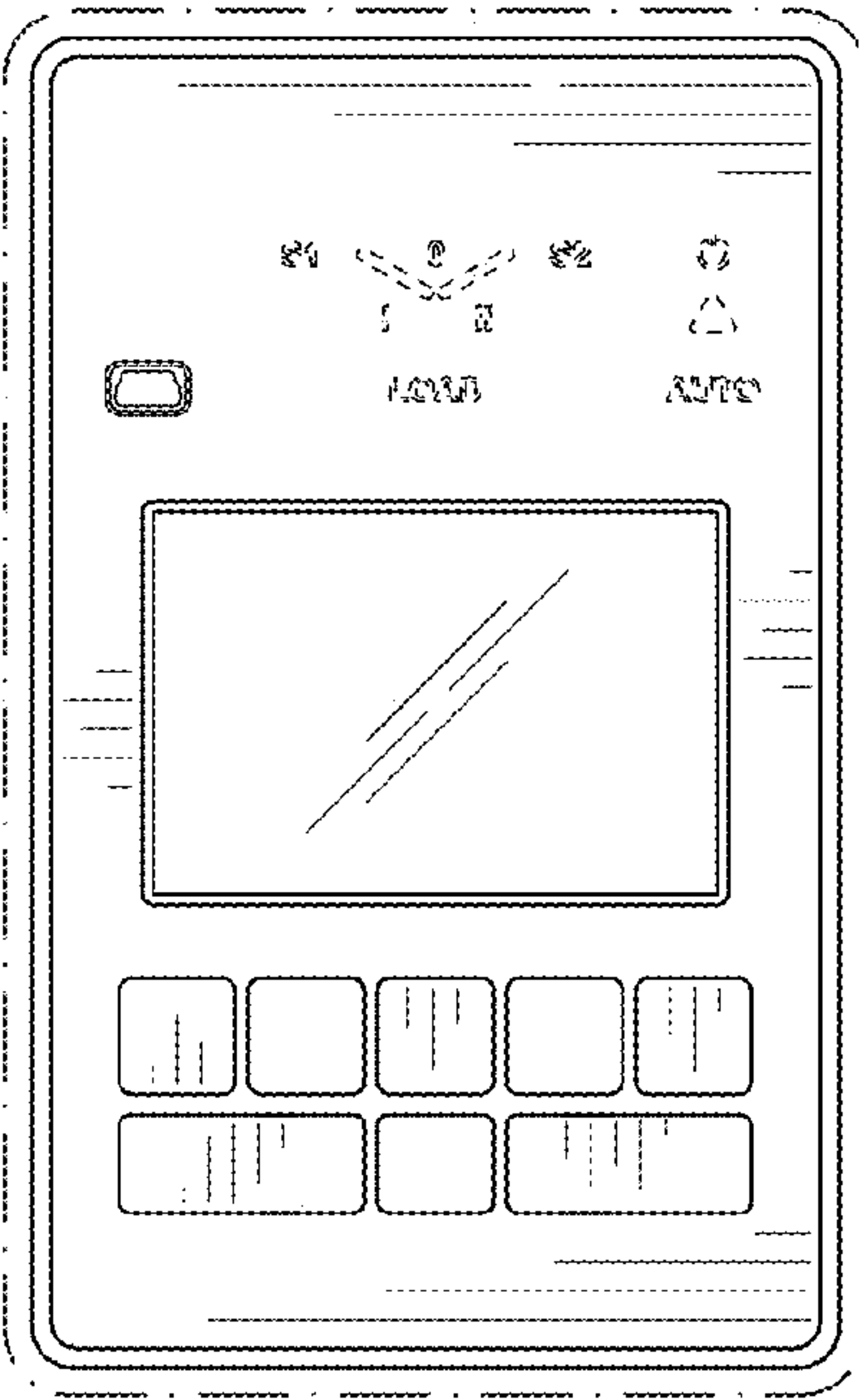


FIG. 8

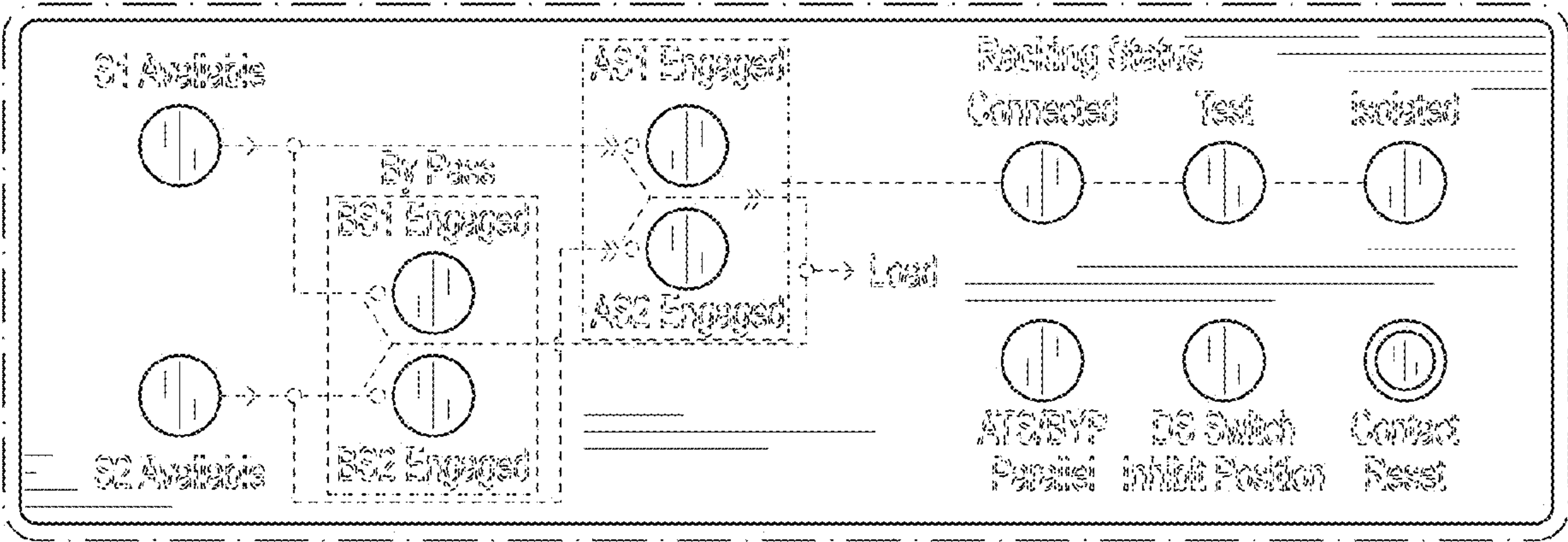


FIG. 9

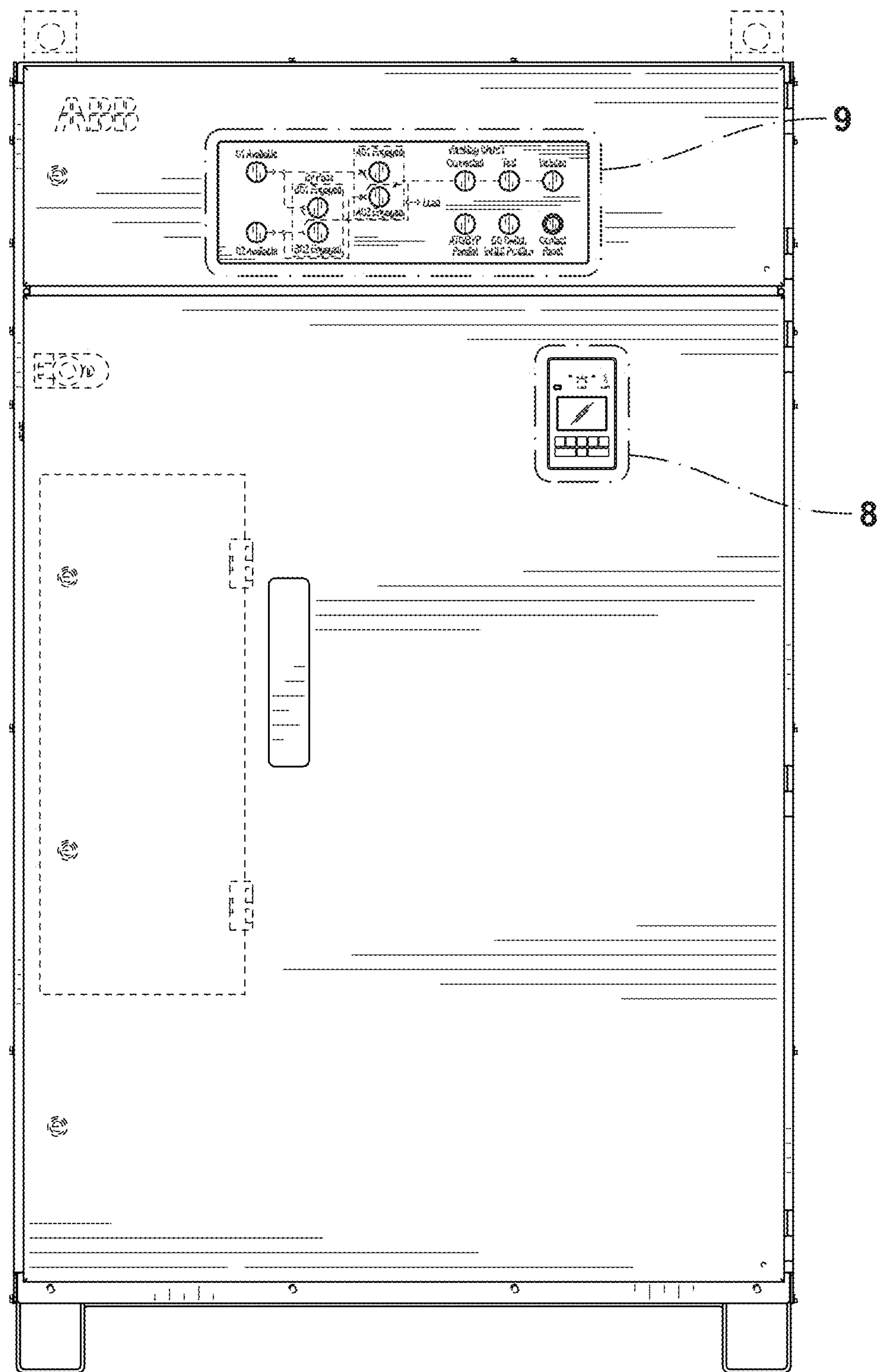


FIG. 10

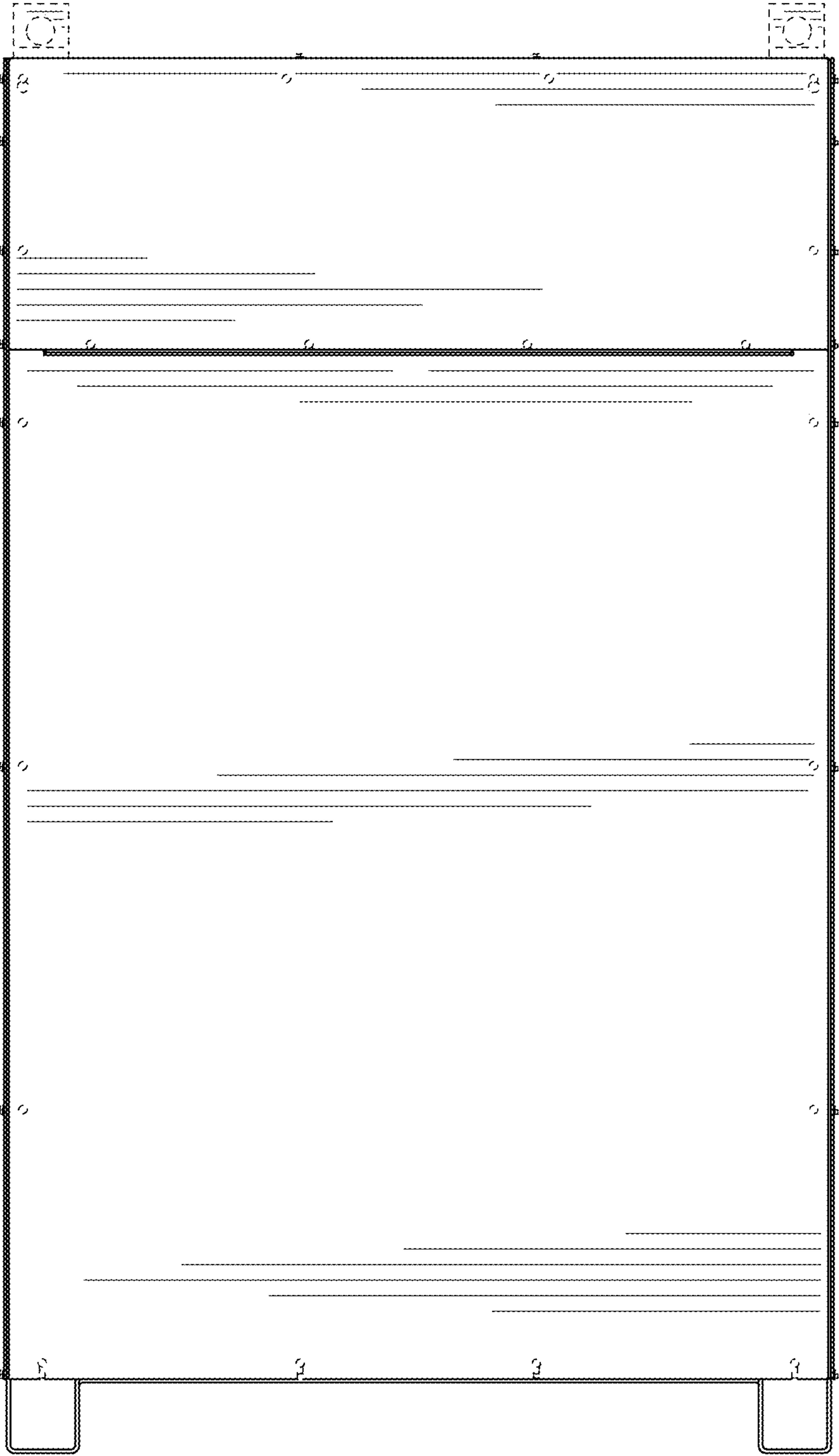


FIG. 11

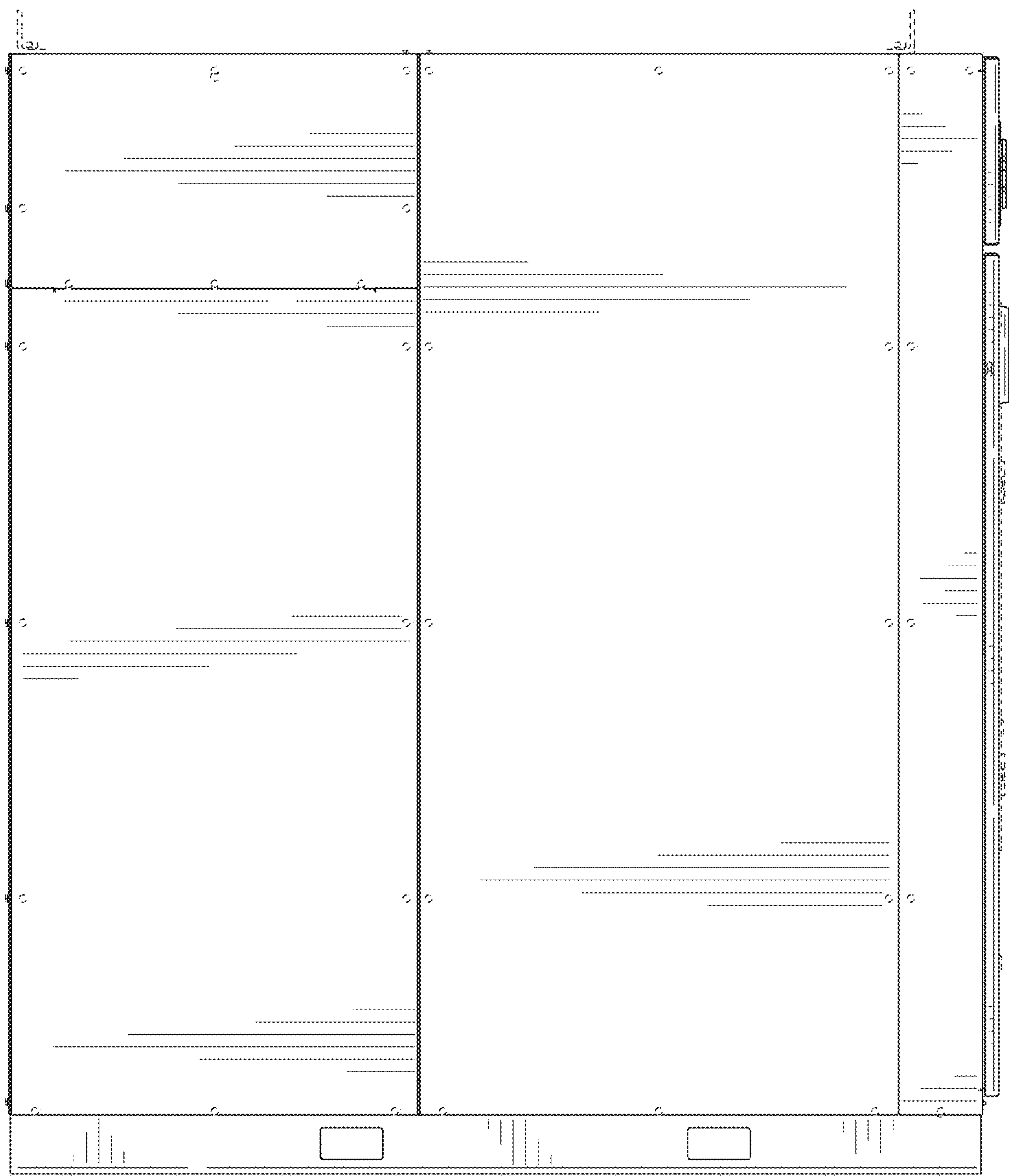


FIG. 12

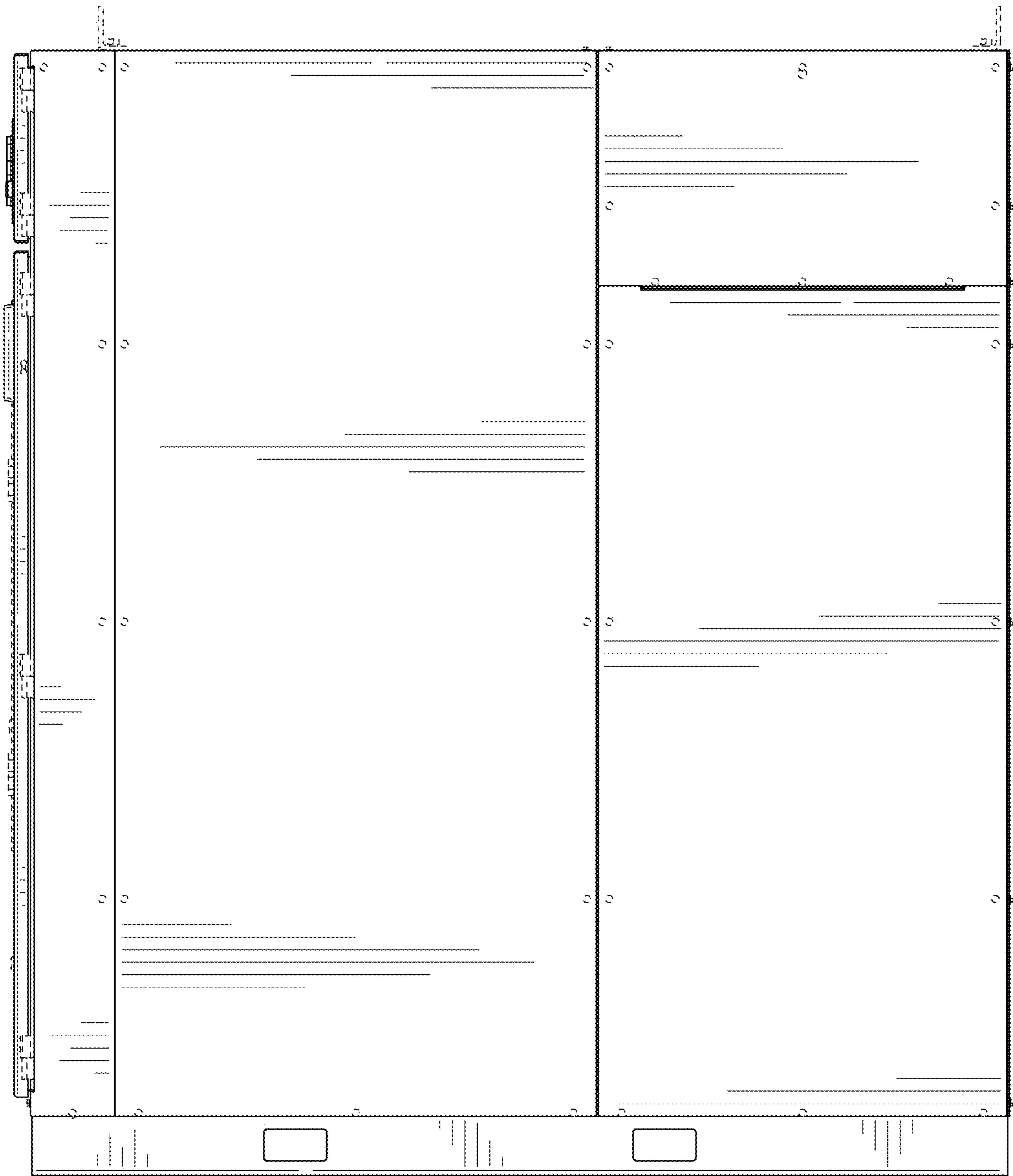


FIG. 13

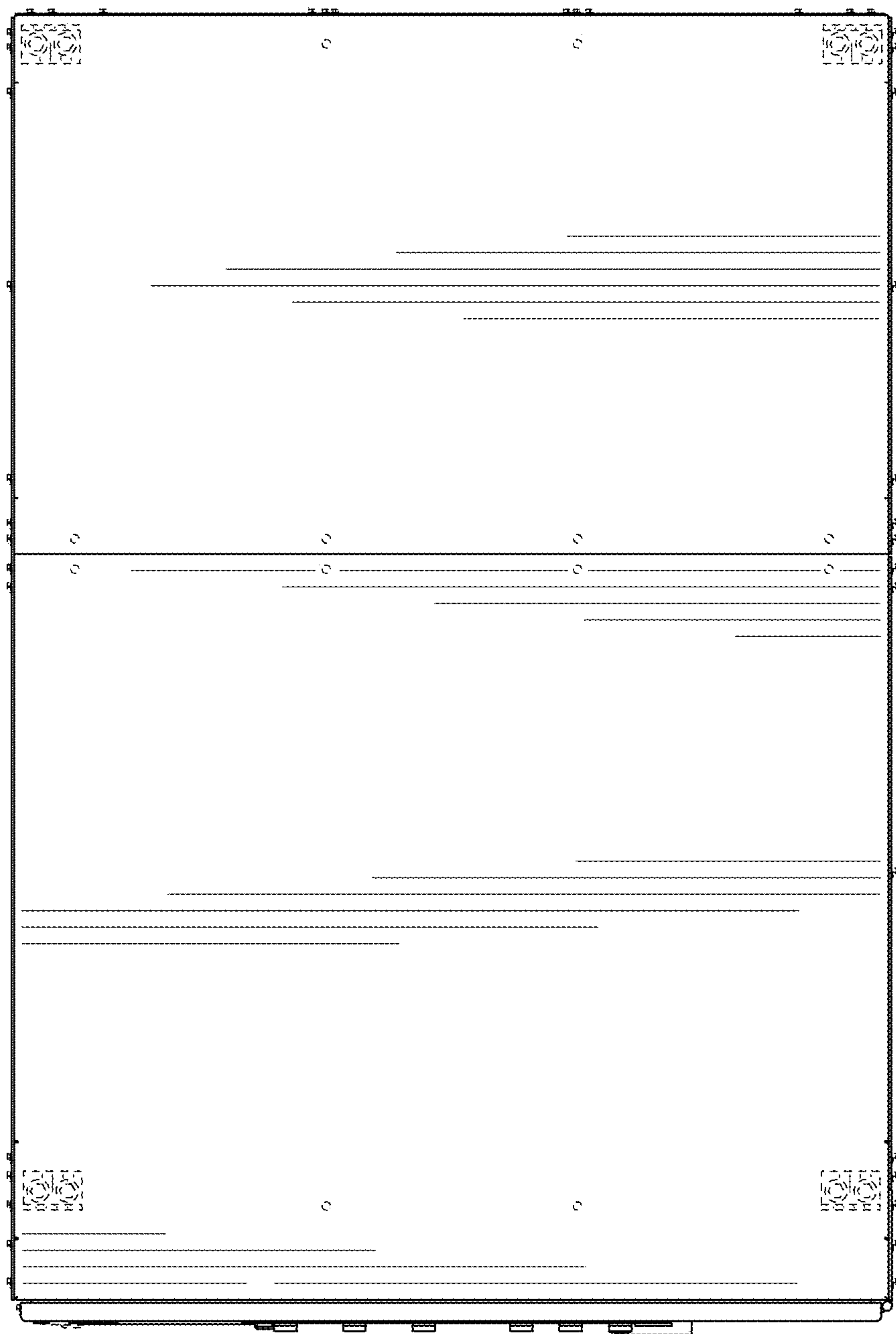


FIG. 14

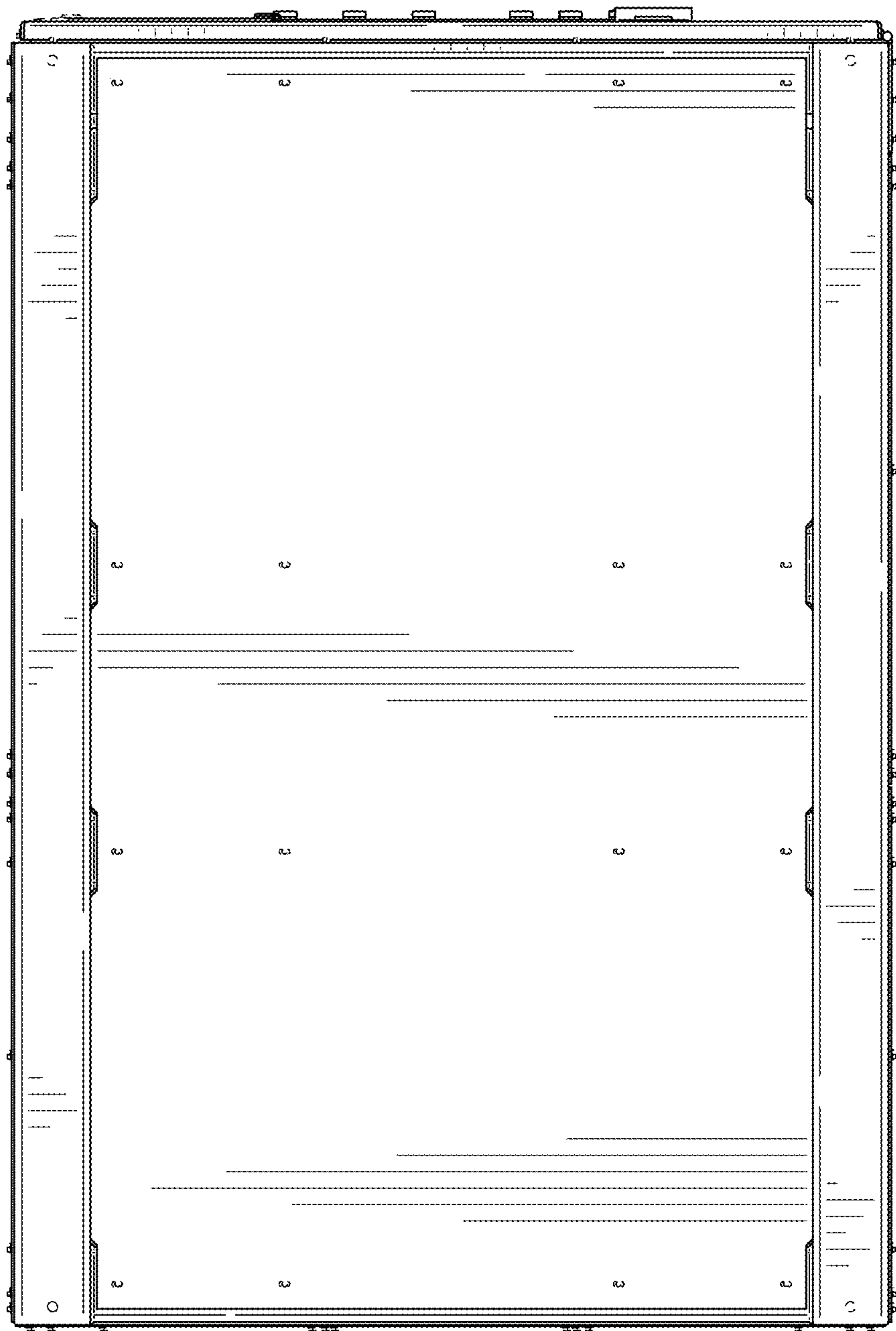


FIG. 15

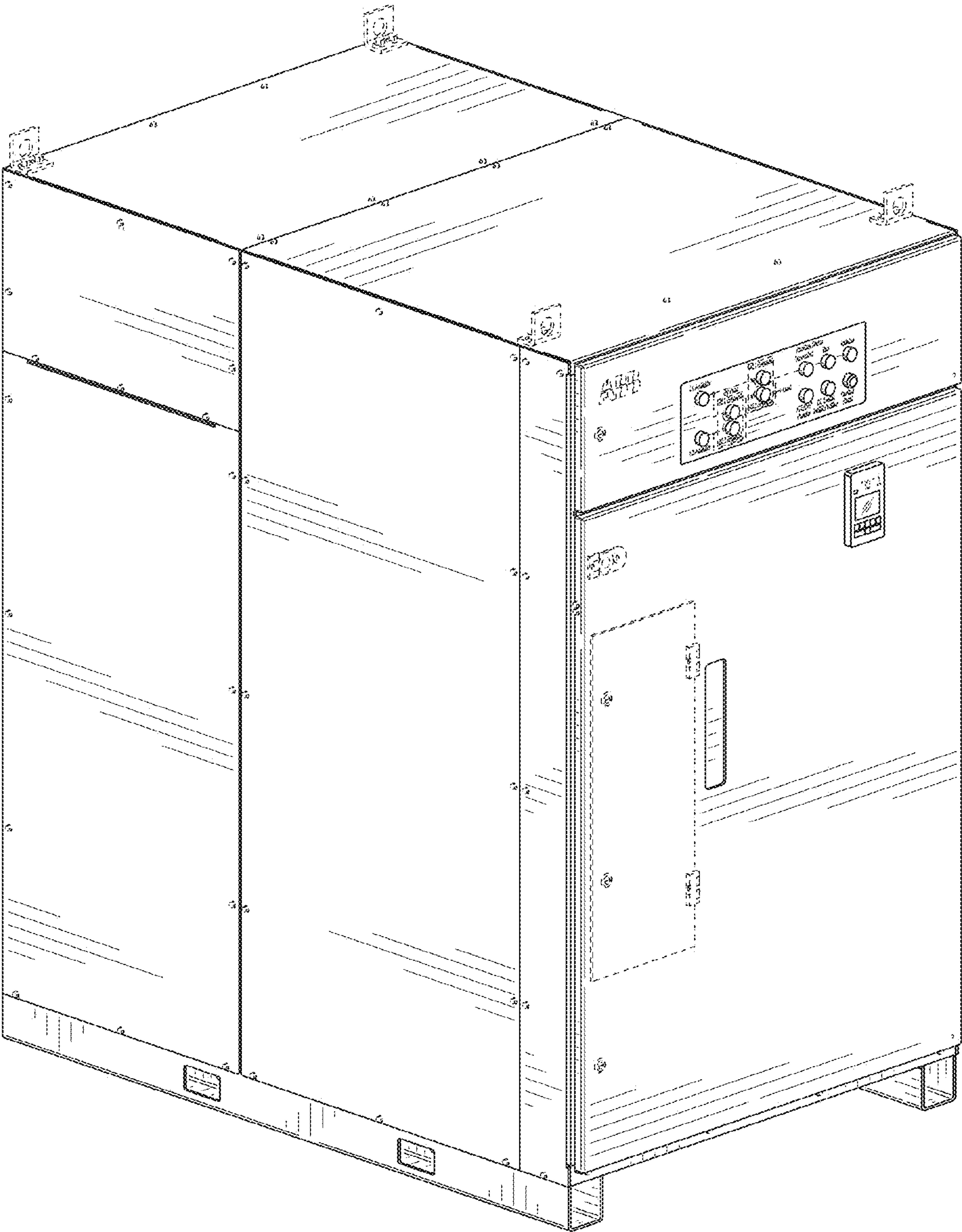


FIG. 16