



US00D956112S

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

(10) **Patent No.:** **US D956,112 S**
(45) **Date of Patent:** **** Jun. 28, 2022**

- (54) **OPEN-WALLED COOLING ENVIRONMENT**
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- (72) Inventors: **James M. Costanza**, Flower Mound, TX (US); **Christopher Thompson**, Fort Worth, TX (US); **Rahul Sharma**, Fort Worth, TX (US)
- (73) Assignee: **KPS GLOBAL LLC**, Fort Worth, TX (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/728,110**
- (22) Filed: **Mar. 16, 2020**
- (51) **LOC (13) Cl.** **15-07**
- (52) **U.S. Cl.**
USPC **D15/81; D23/351**
- (58) **Field of Classification Search**
USPC D23/200, 207, 209, 260, 261, 332, 333, D23/351-367, 370, 388, 397; D10/49; D15/79, 81, 83, 85; D6/672, 673, 683
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,637,982 A 5/1953 Brinkoeter
 D273,298 S * 4/1984 Trulaske D15/81
 (Continued)

Primary Examiner — Gino Colan

Assistant Examiner — David OBrien

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(57) **CLAIM**

The ornamental design for an open-walled cooling environment, as shown and described.

DESCRIPTION

FIG. 1 is a front, top perspective view of an open-walled cooling environment showing the new design;
 FIG. 2 is a front elevation view of the invention illustrated in FIG. 1;

FIG. 3 is a rear elevation view of the invention illustrated in FIG. 1;
 FIG. 4 is a right side view of the invention illustrated in FIG. 1;
 FIG. 5 is a left side view of the invention illustrated in FIG. 1;
 FIG. 6 is a top view of the invention illustrated in FIG. 1;
 FIG. 7 is a bottom view of the invention illustrated in FIG. 1;
 FIG. 8 is a front, bottom perspective view of the invention illustrated in FIG. 1;
 FIG. 9 is a cross-sectional view taken along lines 9-9 of FIG. 2;
 FIG. 10 is a front, top perspective view of an open-walled cooling environment showing a second embodiment of the new design;
 FIG. 11 is a front elevation view of the invention illustrated in FIG. 10;
 FIG. 12 is a rear elevation view of the invention illustrated in FIG. 10;
 FIG. 13 is a right side view of the invention illustrated in FIG. 10;
 FIG. 14 is a left side view of the invention illustrated in FIG. 10;
 FIG. 15 is a top view of the invention illustrated in FIG. 10;
 FIG. 16 is a bottom view of the invention illustrated in FIG. 10;
 FIG. 17 is a front, top perspective view of an open-walled cooling environment showing a third embodiment of the new design;
 FIG. 18 is a front elevation view of the invention illustrated in FIG. 17;
 FIG. 19 is a rear elevation view of the invention illustrated in FIG. 17;
 FIG. 20 is a right side view of the invention illustrated in FIG. 17;
 FIG. 21 is a left side view of the invention illustrated in FIG. 17;
 FIG. 22 is a top view of the invention illustrated in FIG. 17;
 FIG. 23 is a bottom view of the invention illustrated in FIG. 17;
 FIG. 24 is a front, top perspective view of an open-walled cooling environment showing a fourth embodiment of the new design;

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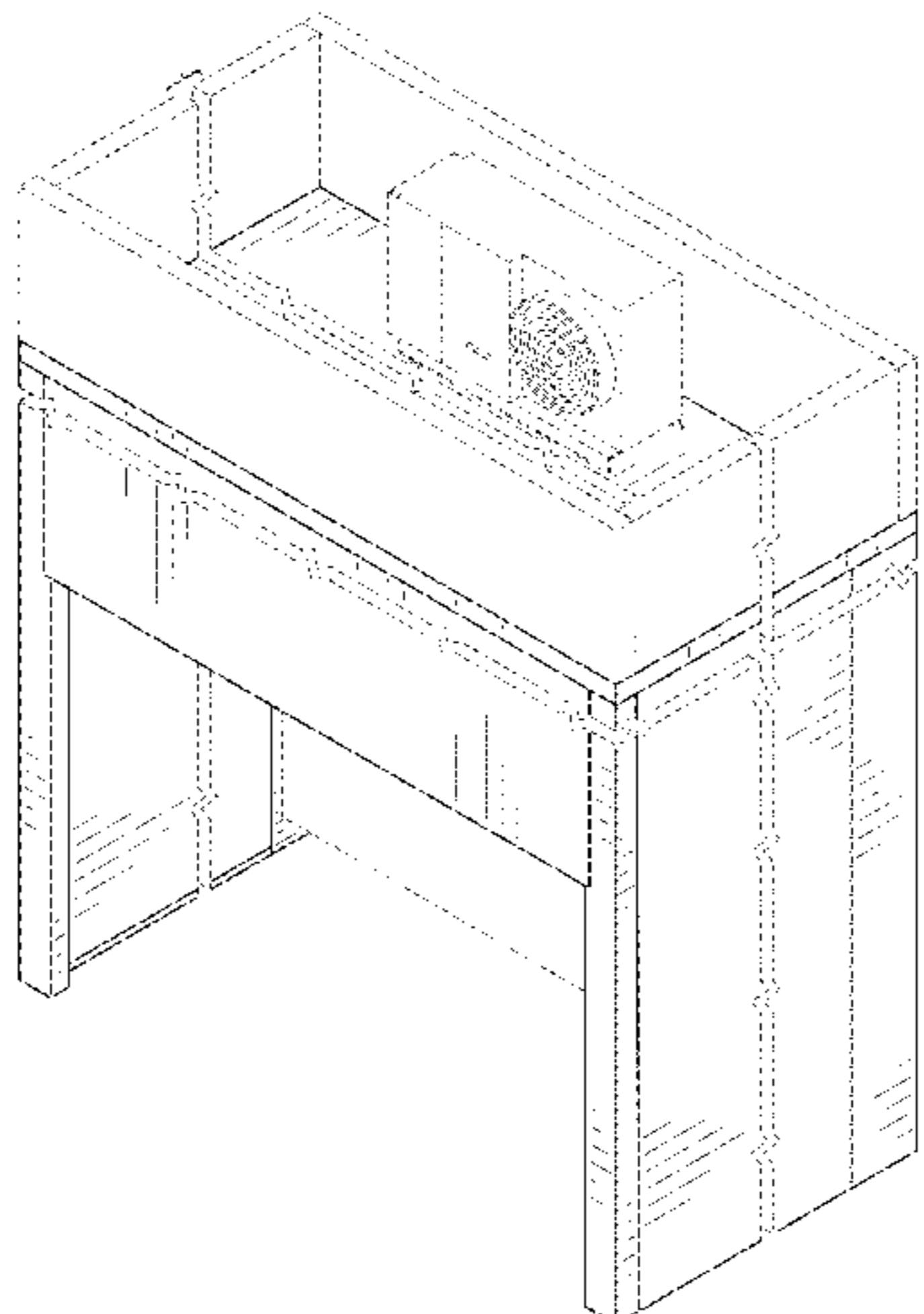


FIG. 25 is a front elevation view of the invention illustrated in FIG. 24;
 FIG. 26 is a rear elevation view of the invention illustrated in FIG. 24;
 FIG. 27 is a right side view of the invention illustrated in FIG. 24;
 FIG. 28 is a left side view of the invention illustrated in FIG. 24;
 FIG. 29 is a top view of the invention illustrated in FIG. 24;
 FIG. 30 is a bottom view of the invention illustrated in FIG. 24;
 FIG. 31 is a front, top perspective view of an open-walled cooling environment showing a fifth embodiment of the new design;
 FIG. 32 is a front elevation view of the invention illustrated in FIG. 31;
 FIG. 33 is a rear elevation view of the invention illustrated in FIG. 31;
 FIG. 34 is a right side view of the invention illustrated in FIG. 31;
 FIG. 35 is a left side view of the invention illustrated in FIG. 31;
 FIG. 36 is a top view of the invention illustrated in FIG. 31; and,
 FIG. 37 is a bottom view of the invention illustrated in FIG. 31.
 The broken lines in the drawings depict portions of the open-walled cooling environment that form no part of the claimed design. The break lines in the drawings indicate that any portion of the article beyond what is shown forms no part of the claimed design.

1 Claim, 31 Drawing Sheets

(58) **Field of Classification Search**

CPC ... A61L 9/00; A61L 9/02; A61L 9/012; A61L 9/03; A61L 9/032; A61L 9/035; A61L 9/037; A61L 9/04; A61L 9/12; A61L

9/122; A61L 2209/16; F24F 1/02; F24F 1/06; F24F 1/18; F24F 1/20; F24F 1/22; F24F 1/24; F24F 1/32; F24F 1/62; F24F 1/0011; F24F 1/0014; F24F 1/0007; F24F 1/0018; F24F 1/0022; F24F 1/0029; F24F 1/0033; F24F 3/00; F24F 3/12; F24F 3/14; F24F 3/16; F24F 3/044; F24F 3/048; F24F 5/001; F24F 5/0017; F24F 5/0035; F24F 5/0003; F24F 7/013; F24F 7/10; F24F 7/0227; F24F 12/006; E04C 2/30; E04C 2/38; E04C 2/296; E04C 2/528; E04B 2/7411; E04B 2/7425; E04B 1/14; E04H 17/1456; A47B 95/008; A47B 21/06; A47F 3/04

See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

4,489,995	A	12/1984	Barr	
5,444,955	A *	8/1995	Ou	E04C 2/296 52/267
6,179,434	B1 *	1/2001	Saraji	A47F 3/001 108/23
D467,450	S *	12/2002	Trulaske, Sr.	D15/81
7,318,321	B2	1/2008	Grassmuck et al.	
8,468,844	B2	6/2013	Nagel et al.	
10,494,813	B2 *	12/2019	Costanza	E04B 1/14
11,181,315	B2 *	11/2021	Costanza	E04C 2/528
2009/0223161	A1 *	9/2009	Segall	E04C 2/38 52/749.1
2009/0255286	A1	10/2009	Solsona Caballer et al.	
2018/0058748	A1 *	3/2018	Costanza	E04B 1/14
2018/0073797	A1 *	3/2018	Taqi	E04C 2/38
2019/0145101	A1 *	5/2019	Costanza	E04B 1/14 52/309.8
2021/0071420	A1 *	3/2021	Britton	E04C 2/30
2022/0034077	A1	2/2022	Gomo et al.	

* cited by examiner

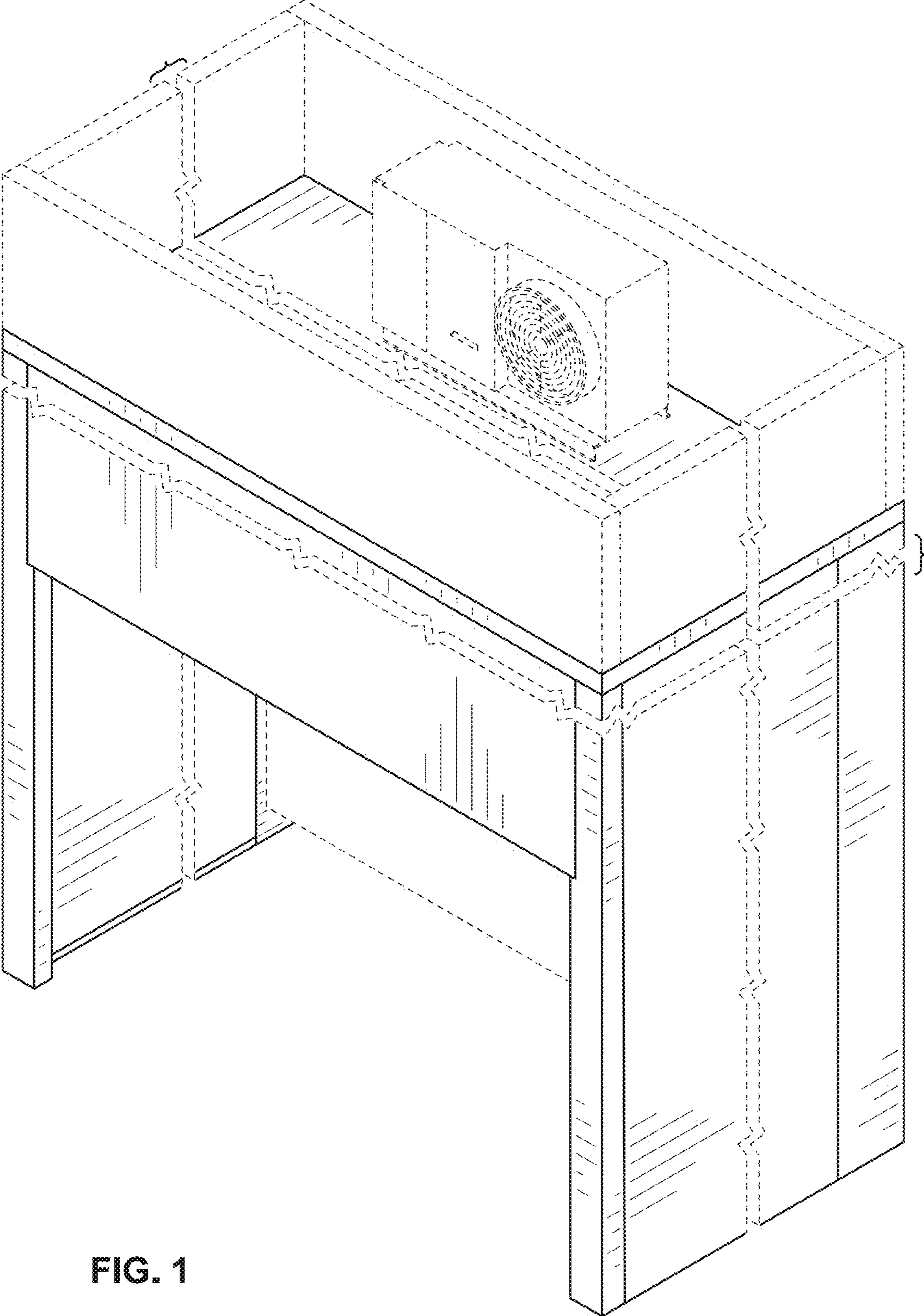


FIG. 1

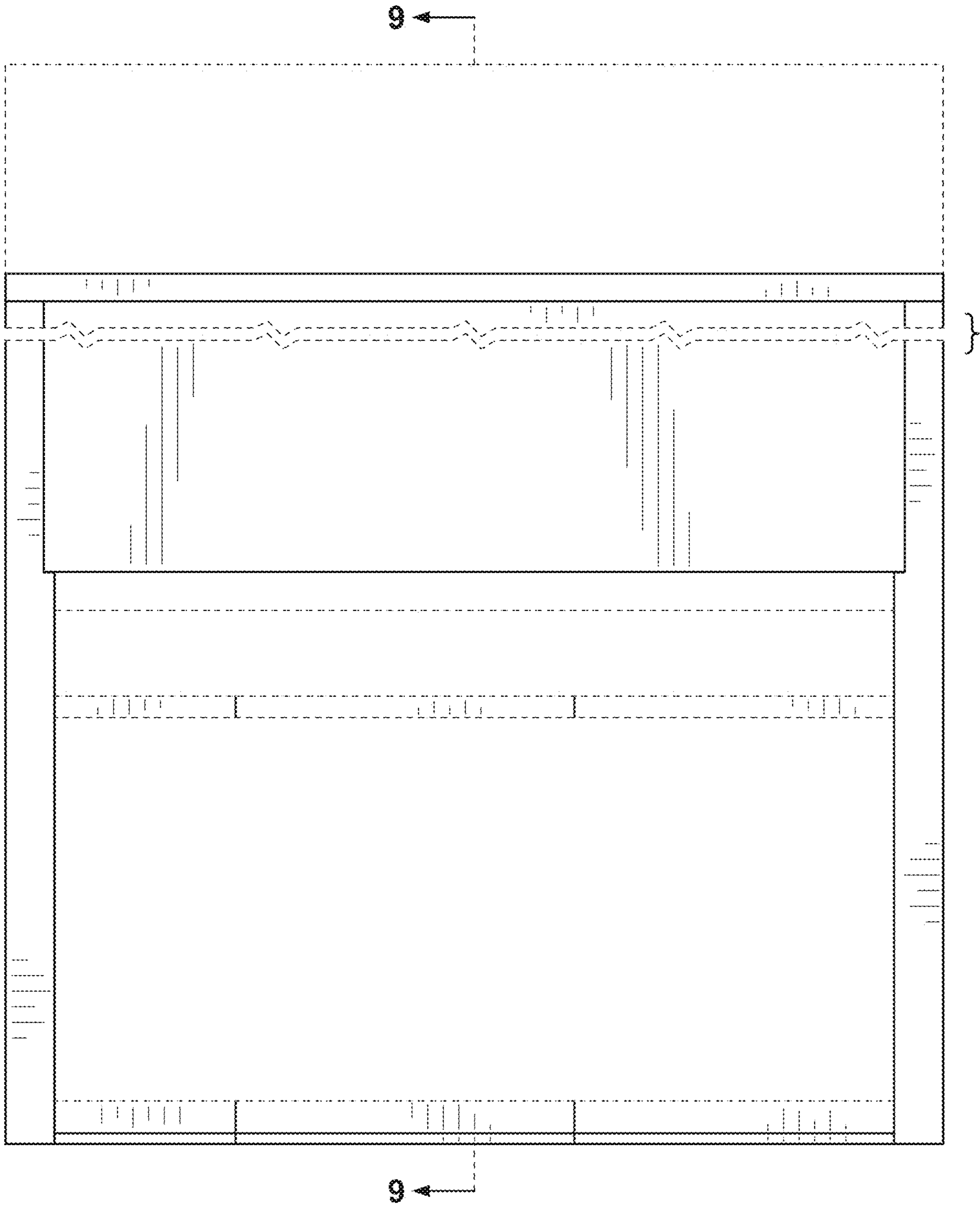


FIG. 2

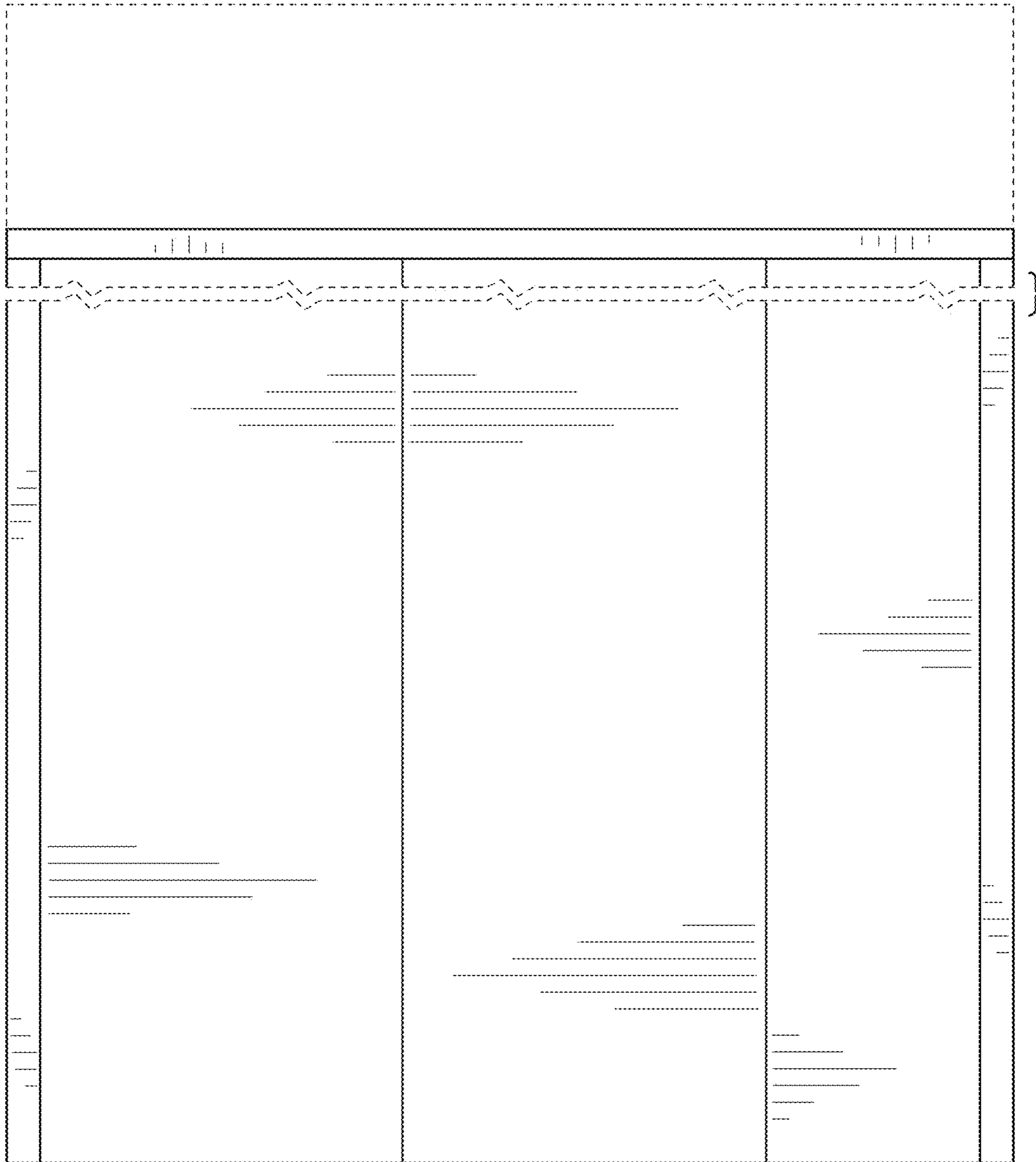


FIG. 3

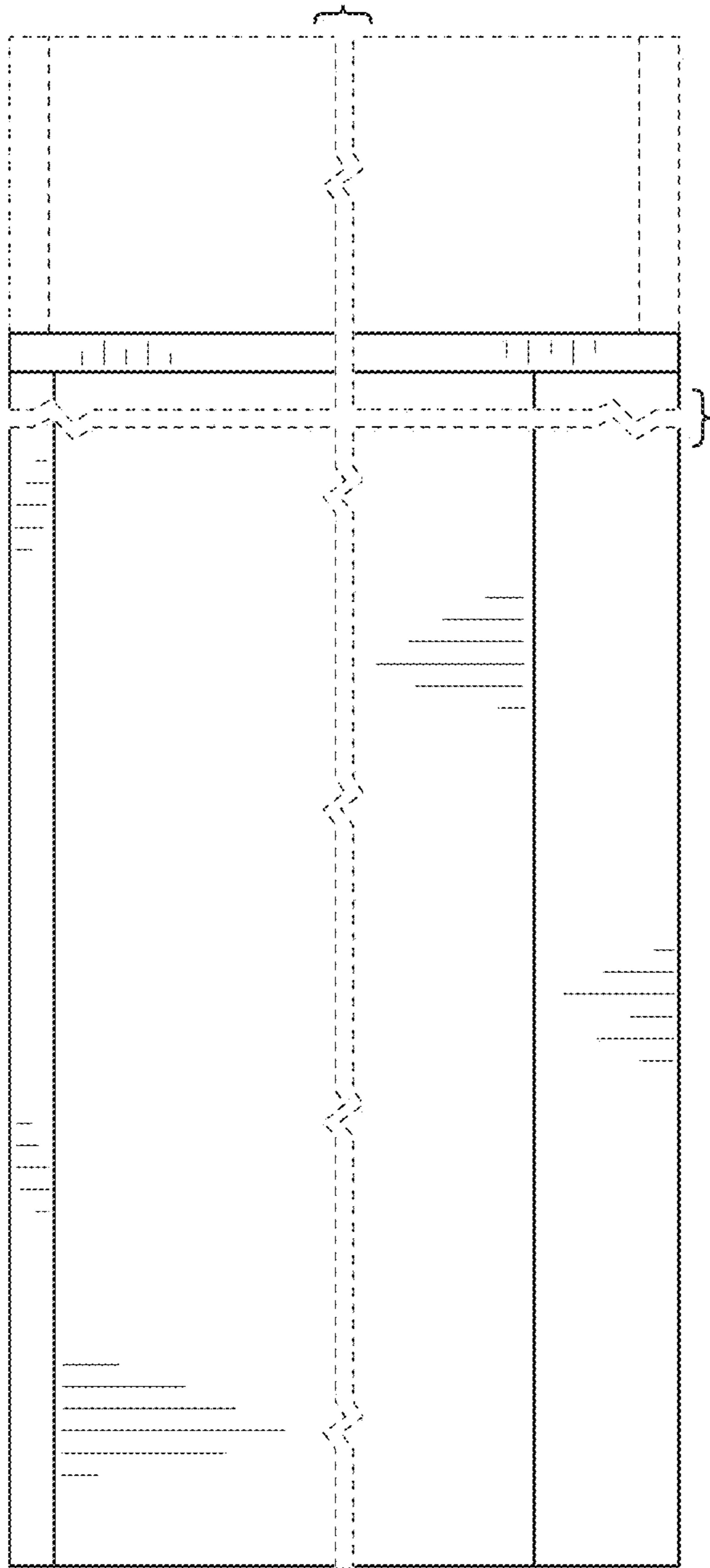


FIG. 4

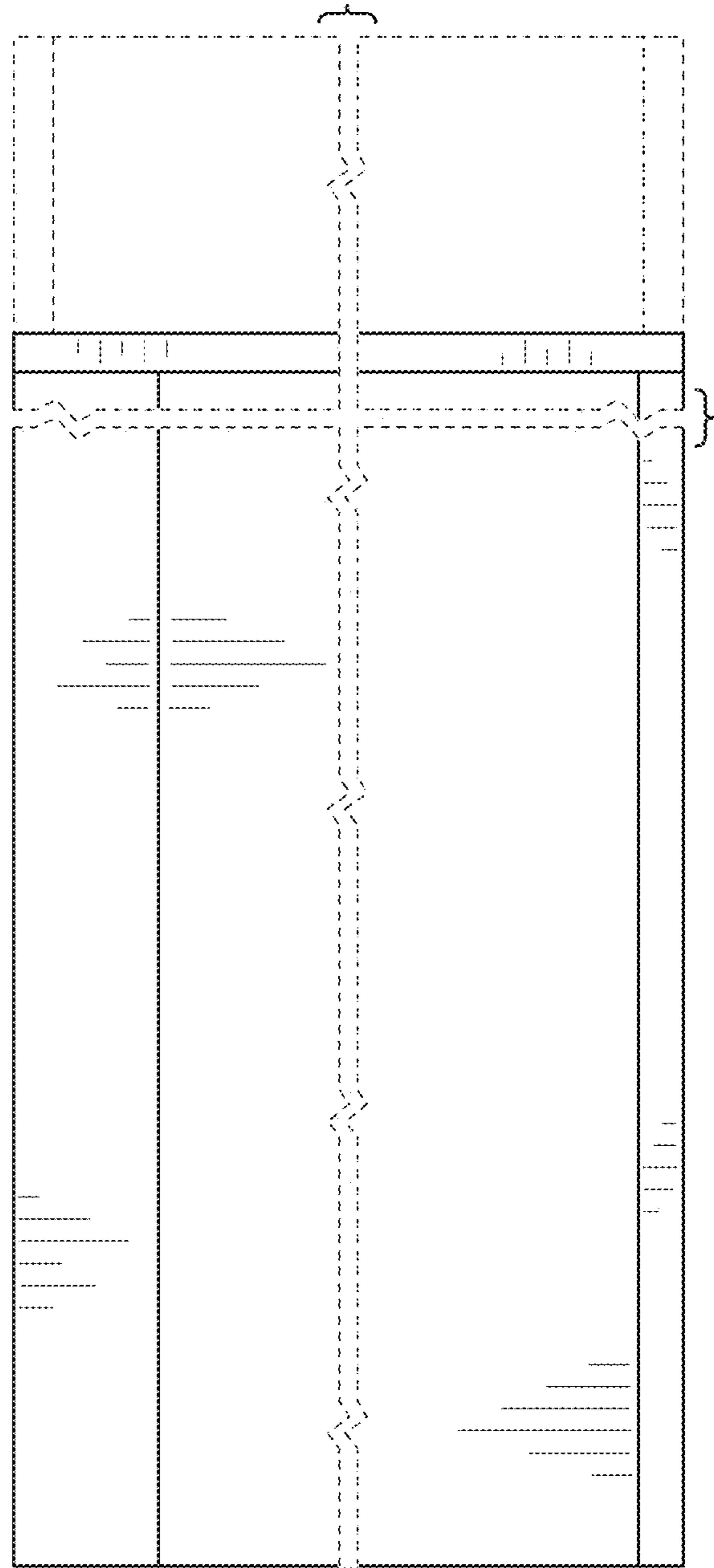


FIG. 5

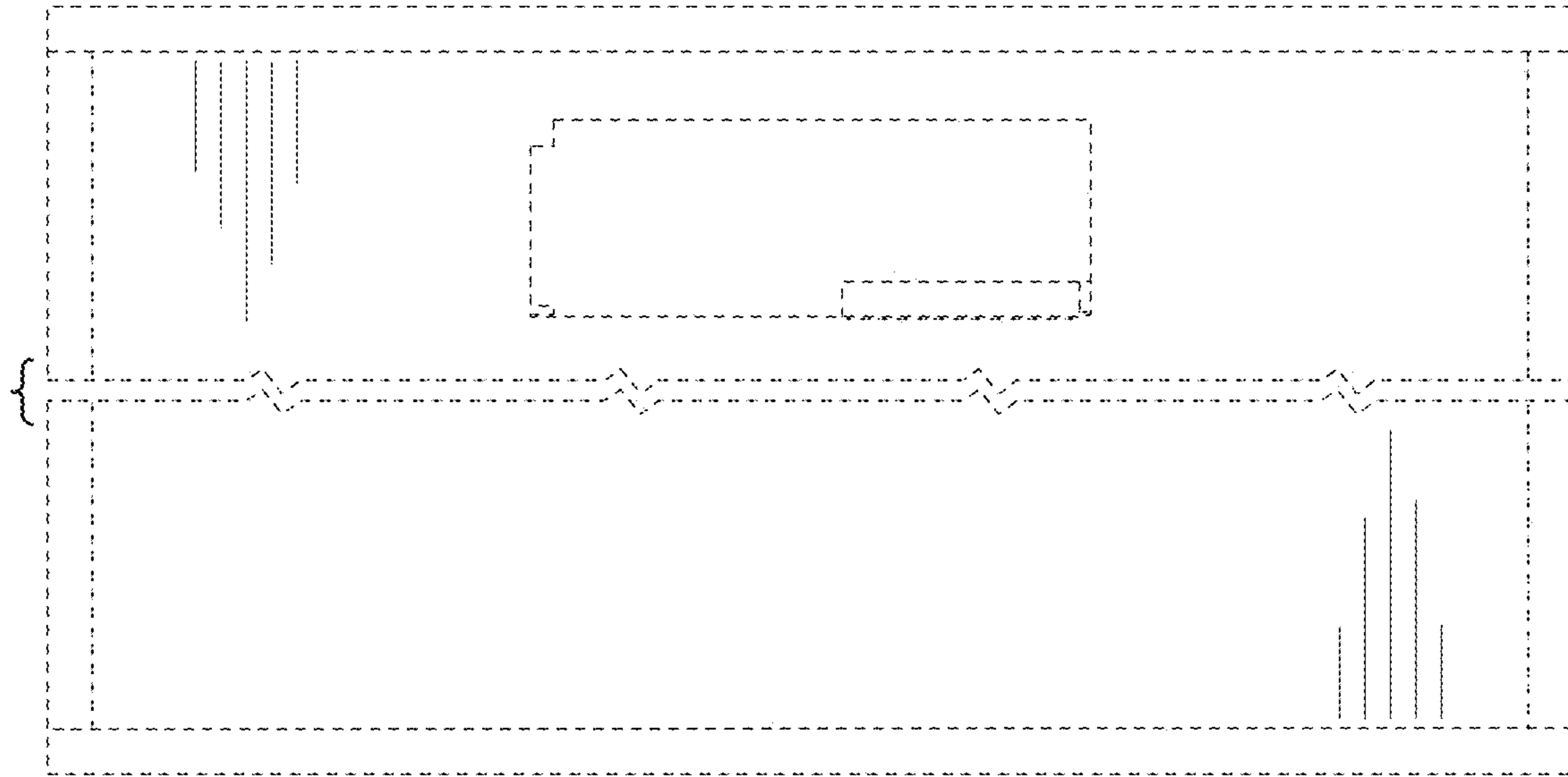


FIG. 6

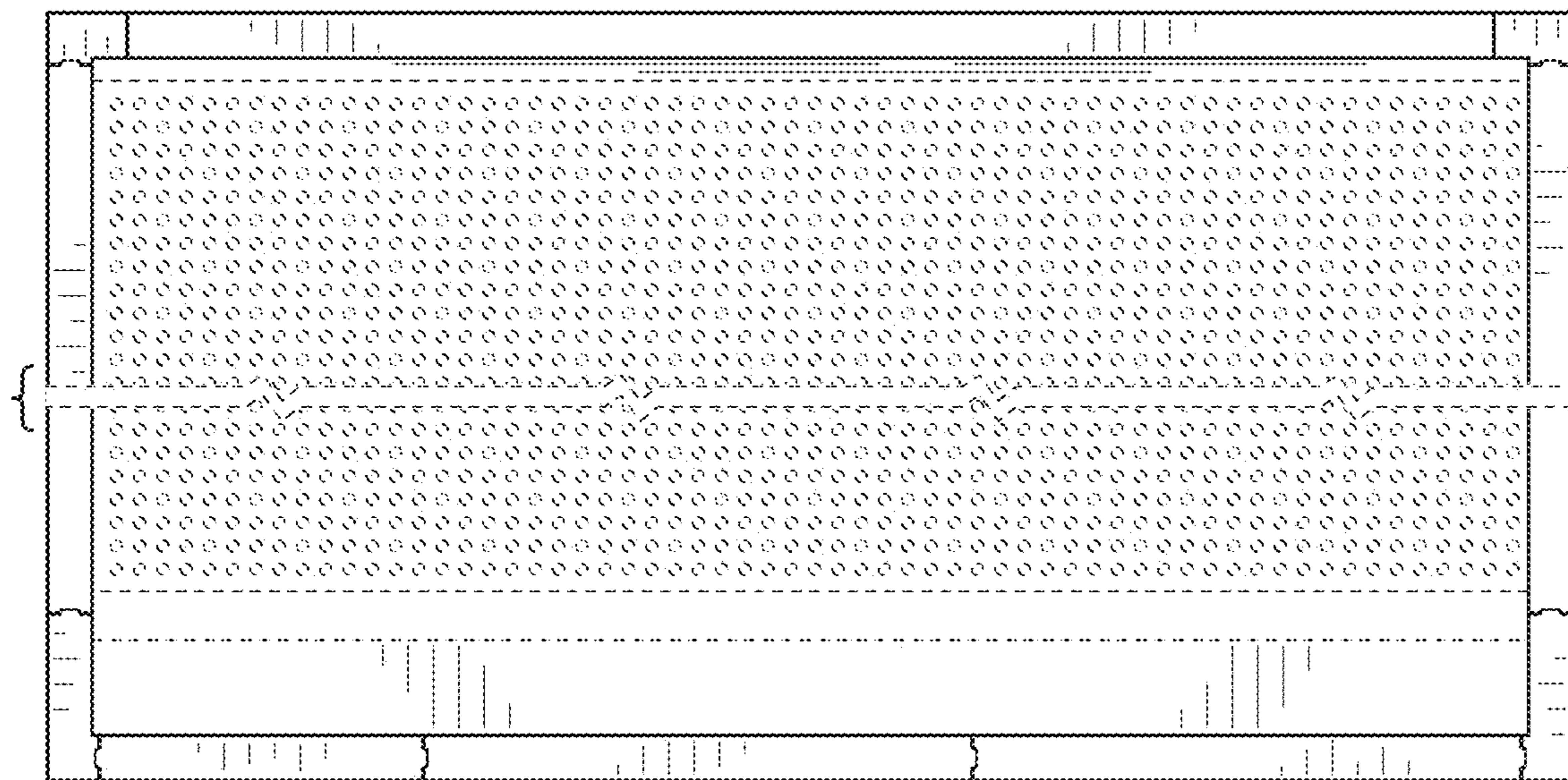


FIG. 7

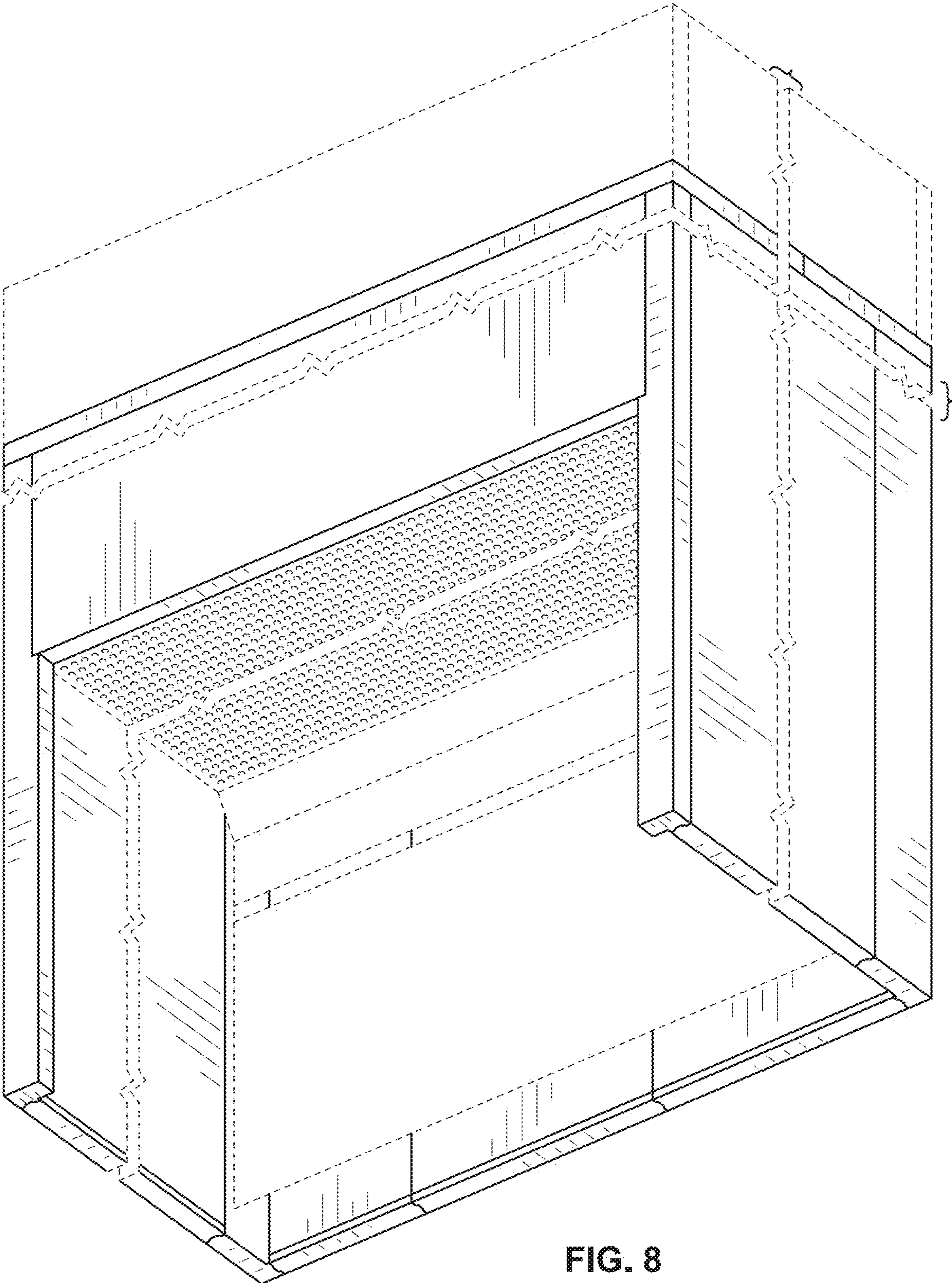


FIG. 8

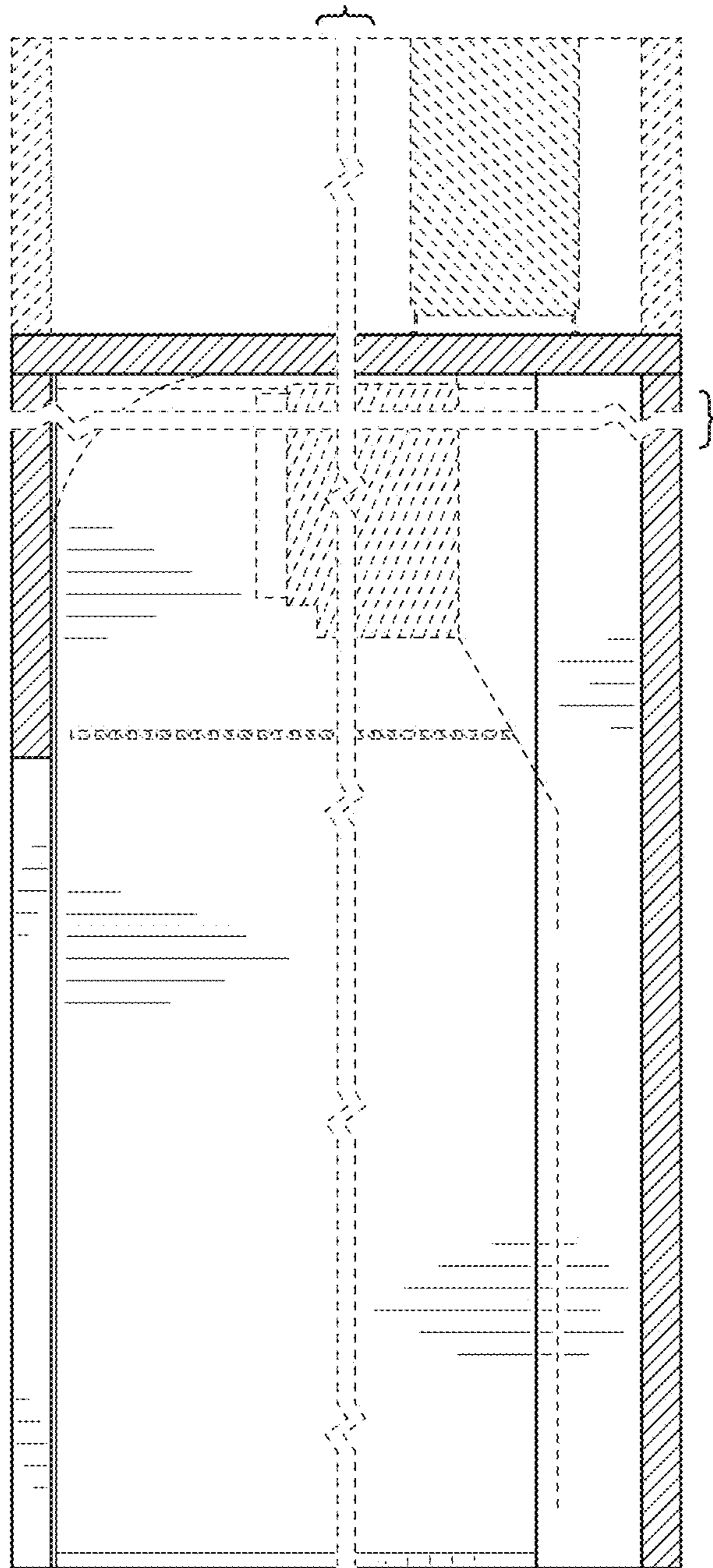


FIG. 9

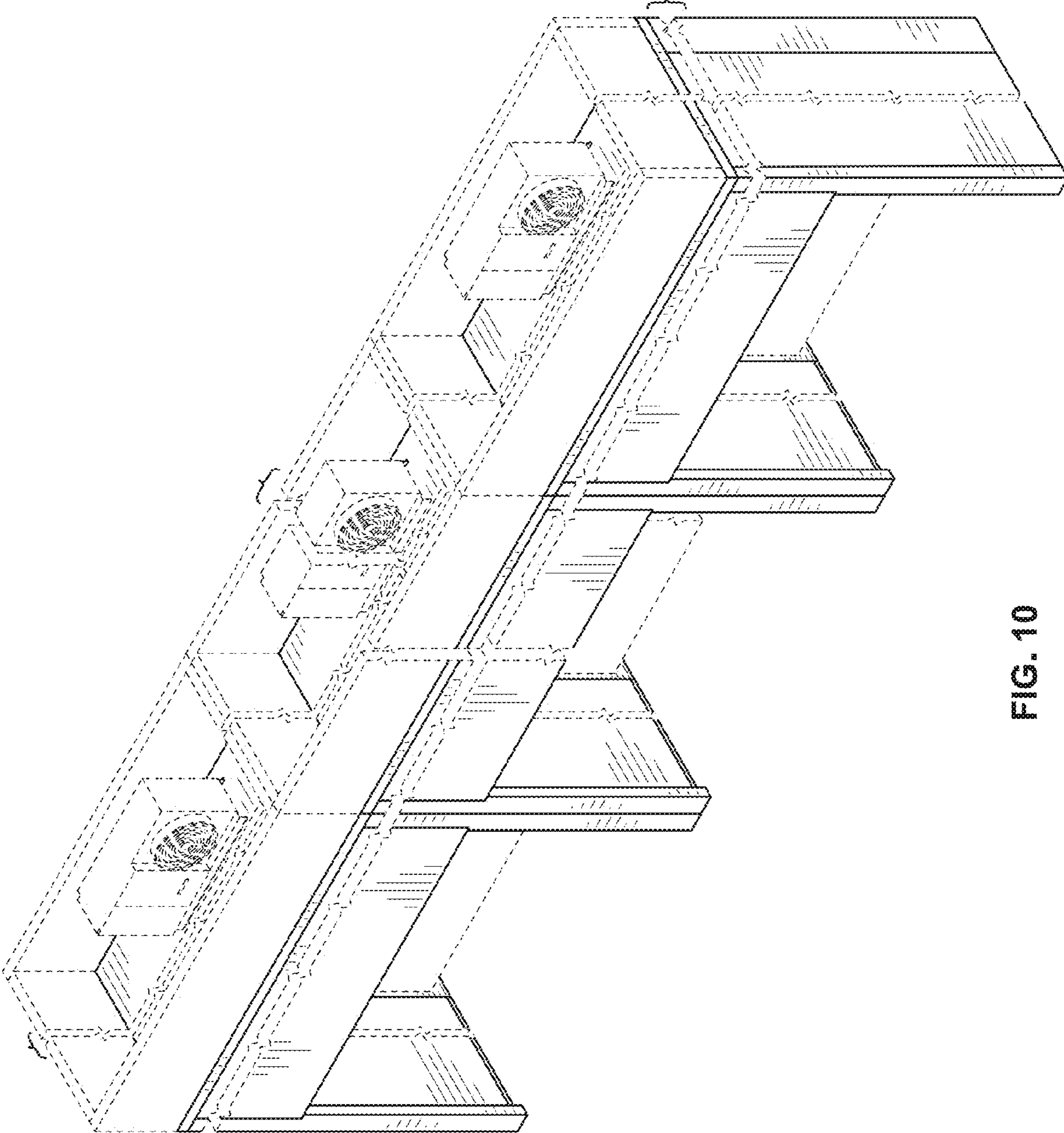


FIG. 10

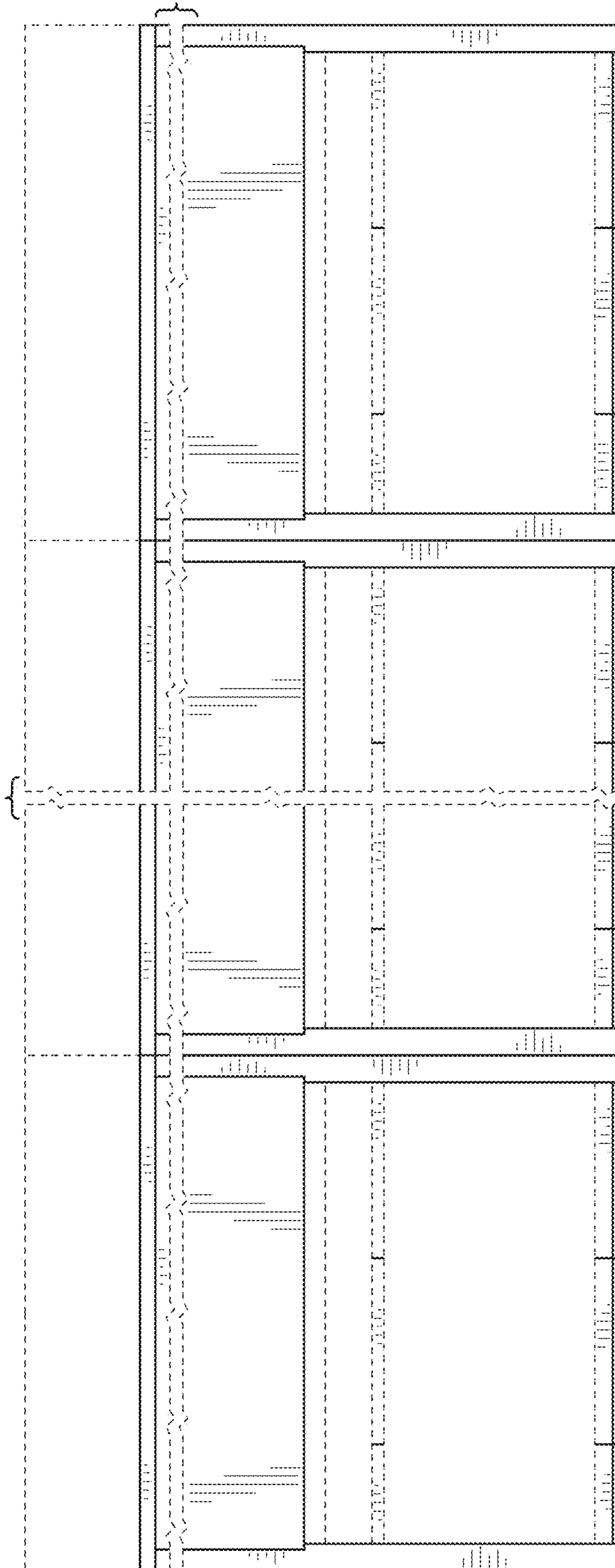


FIG. 11

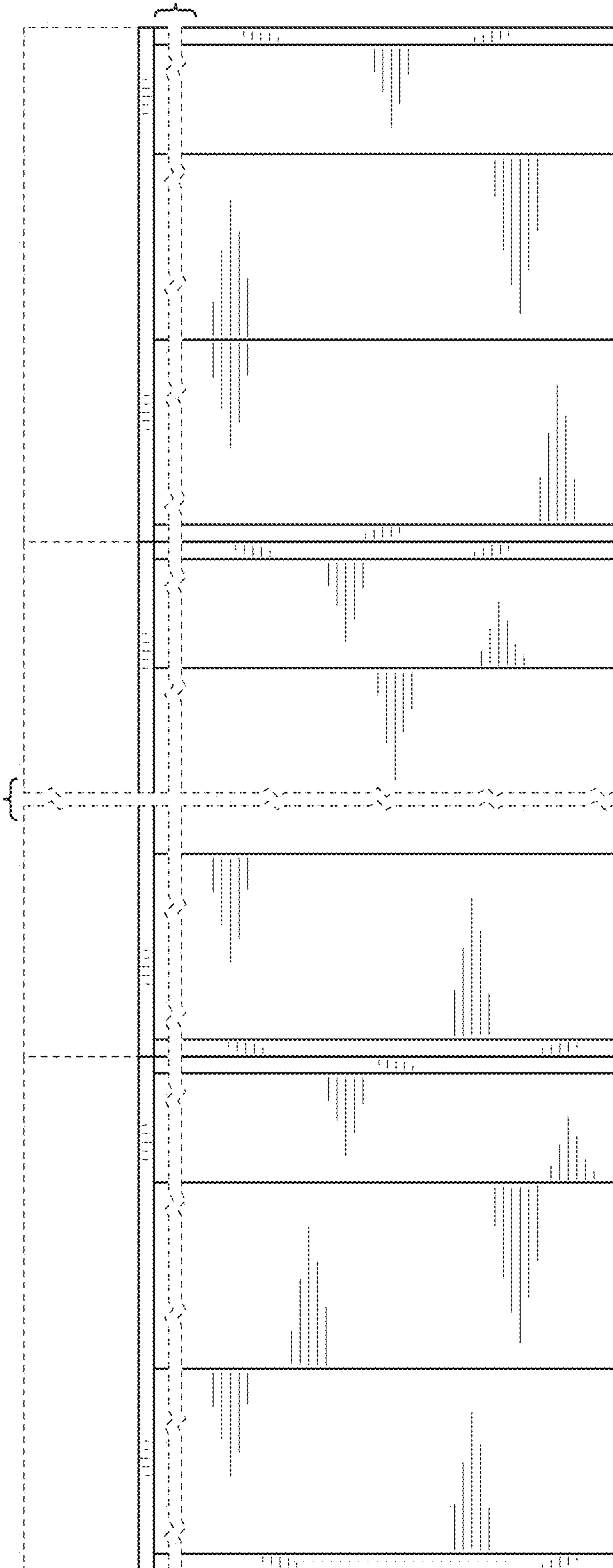


FIG. 12

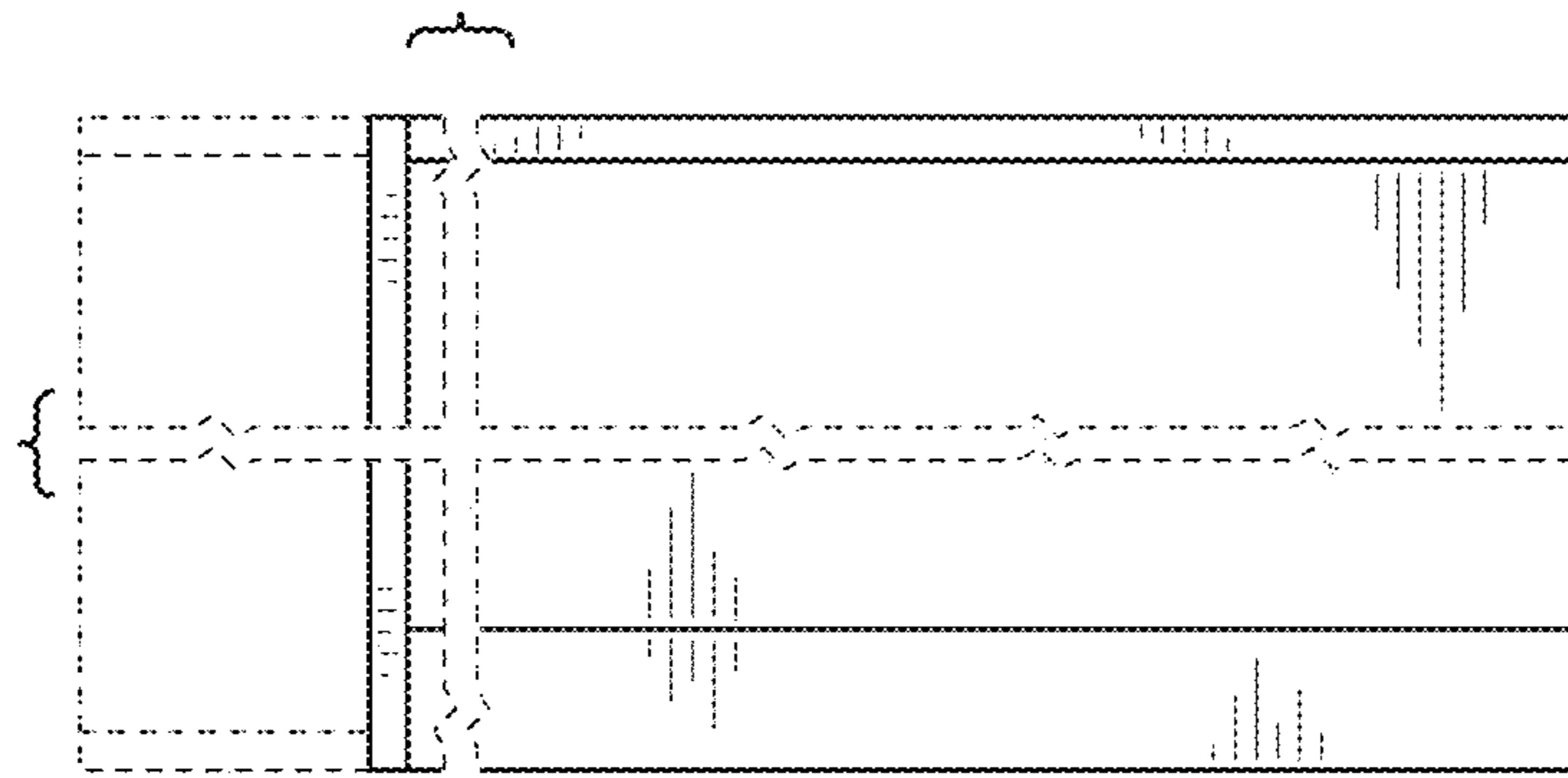


FIG. 14

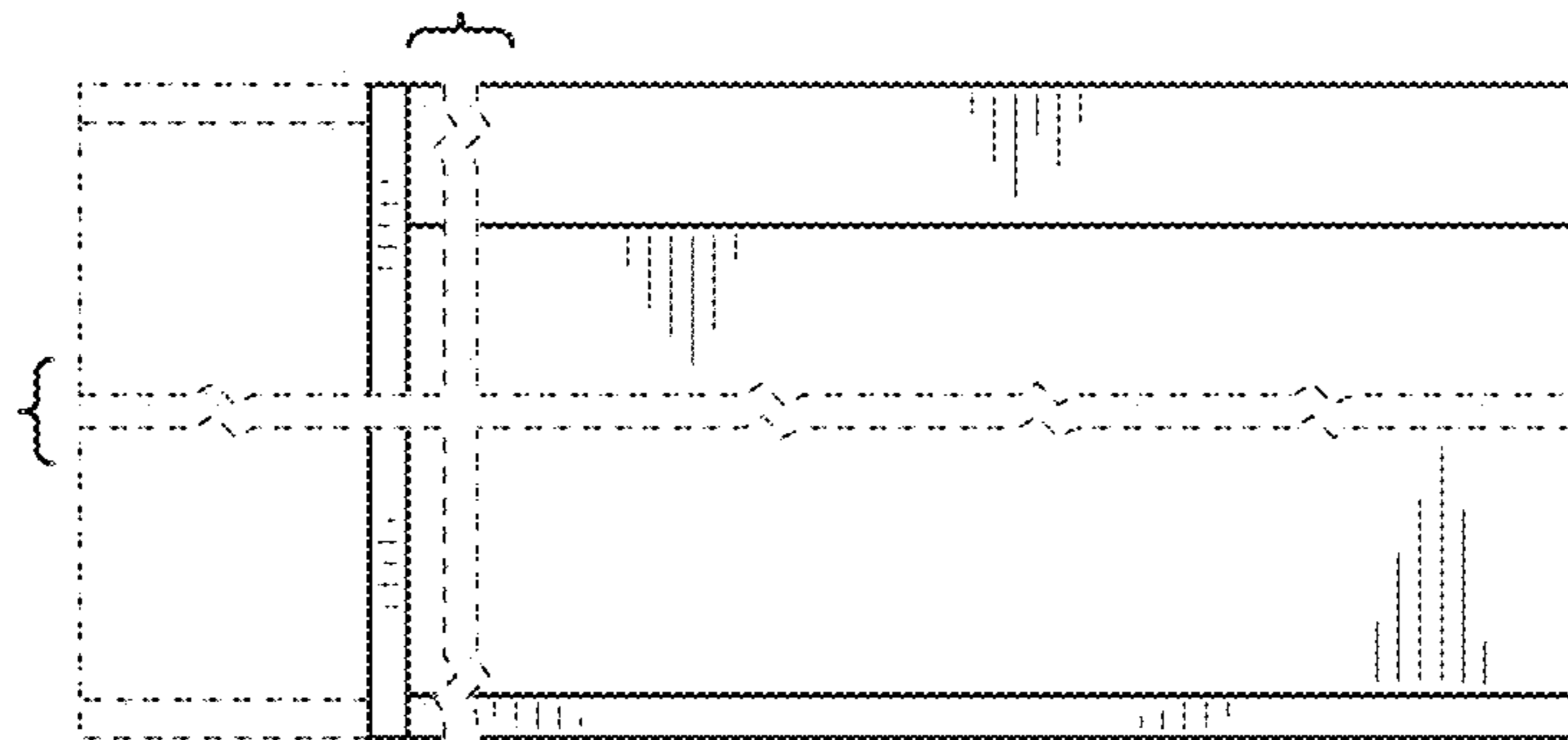


FIG. 13

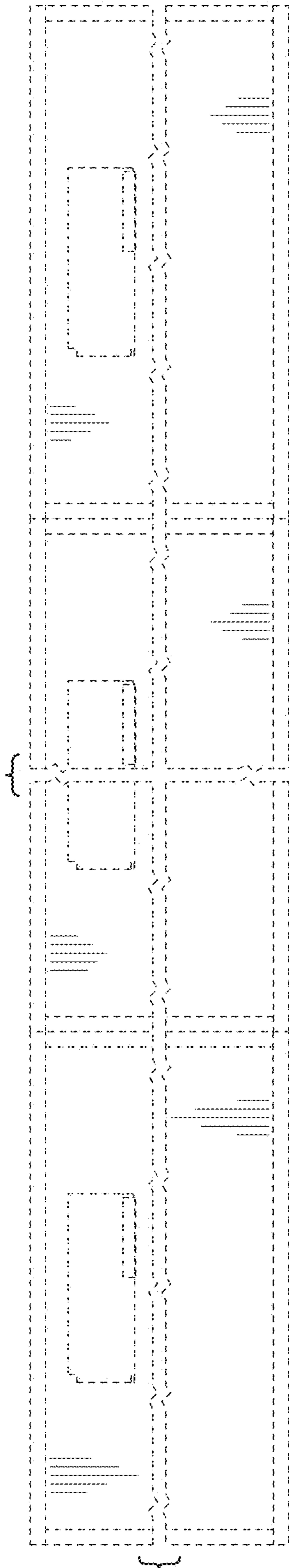


FIG. 15

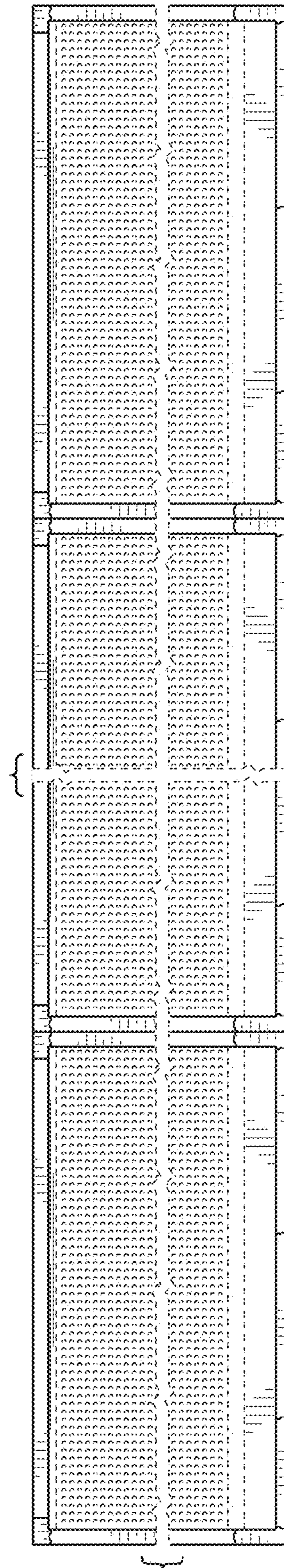


FIG. 16

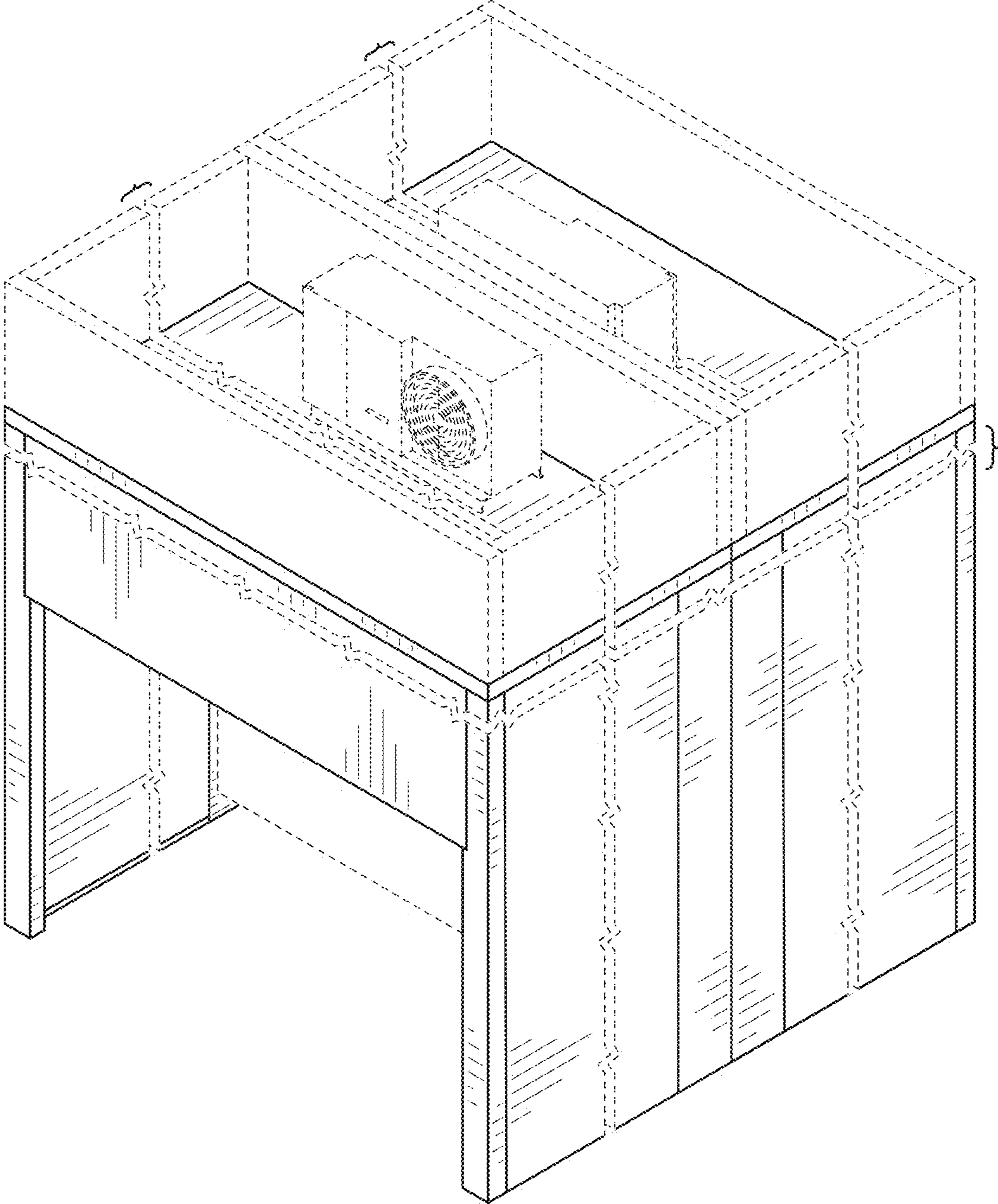


FIG. 17

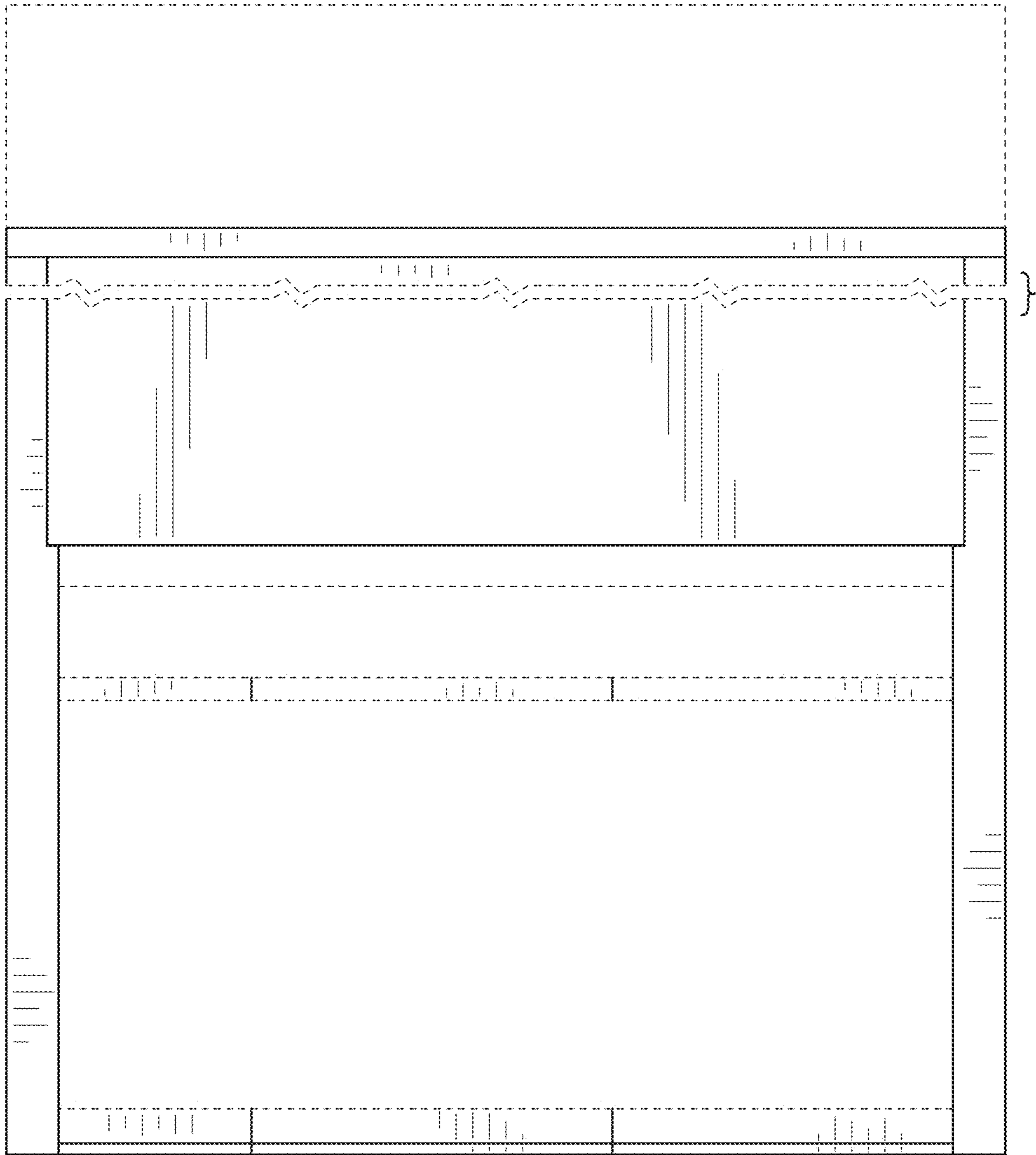


FIG. 18

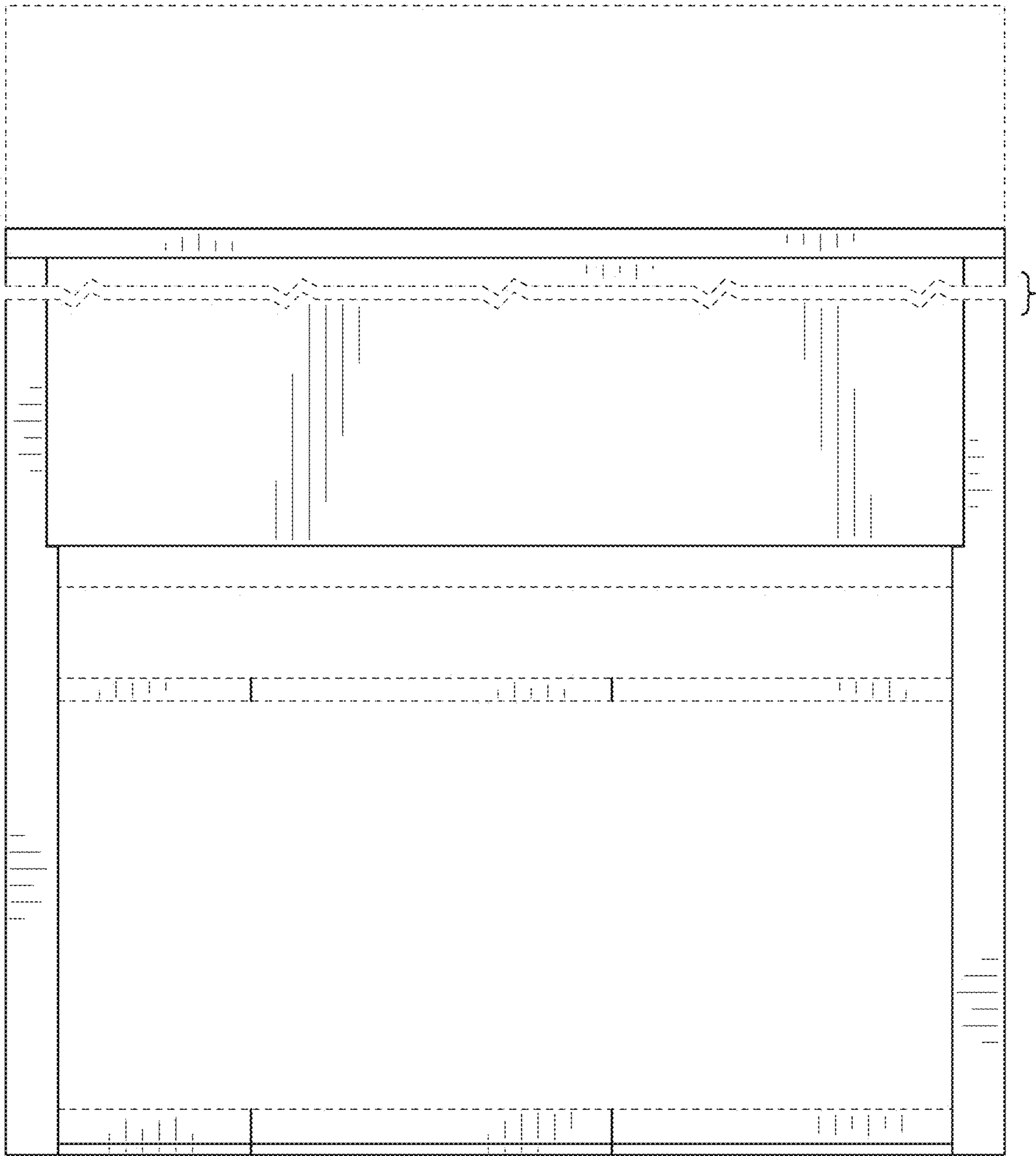


FIG. 19

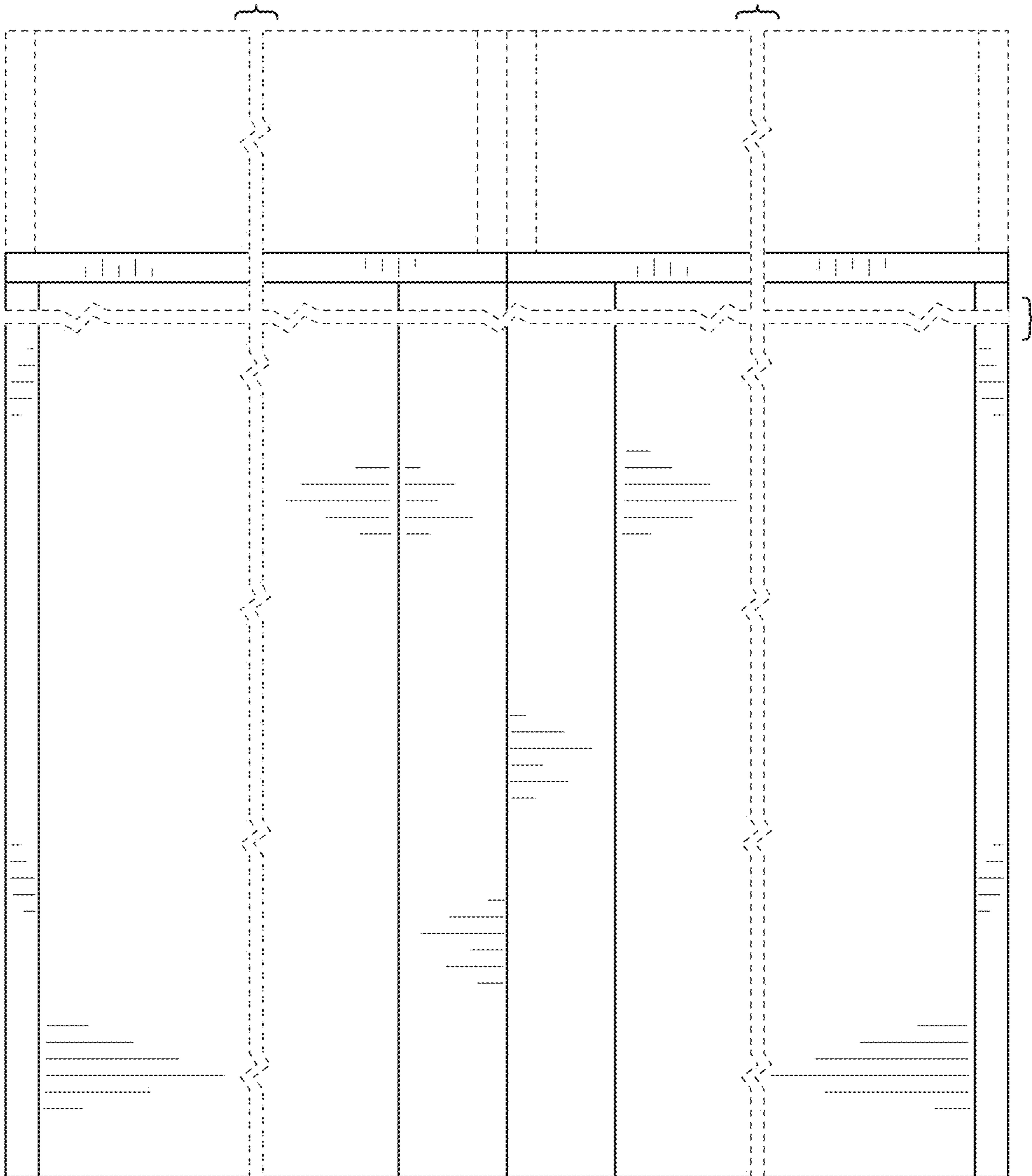


FIG. 20

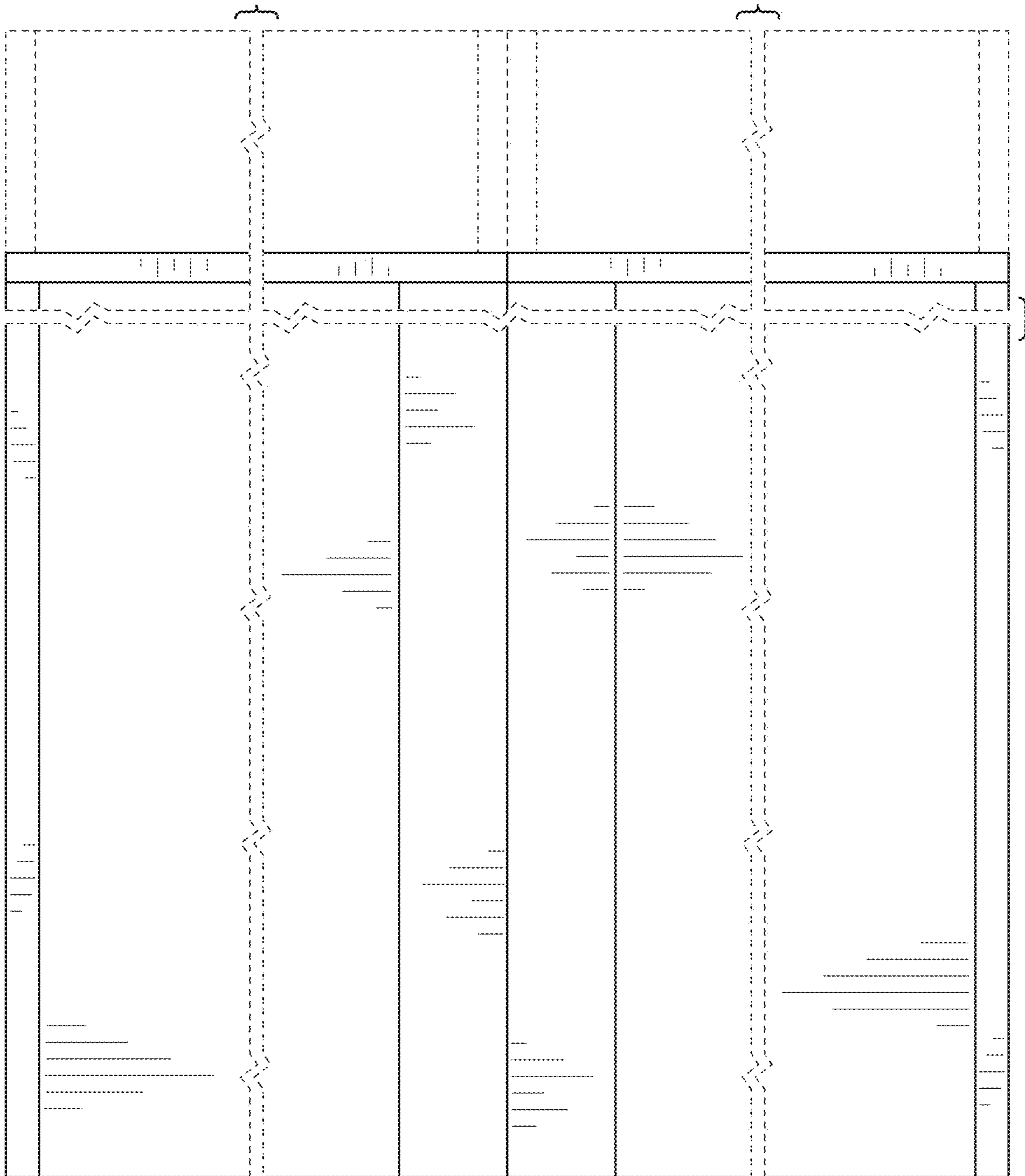


FIG. 21

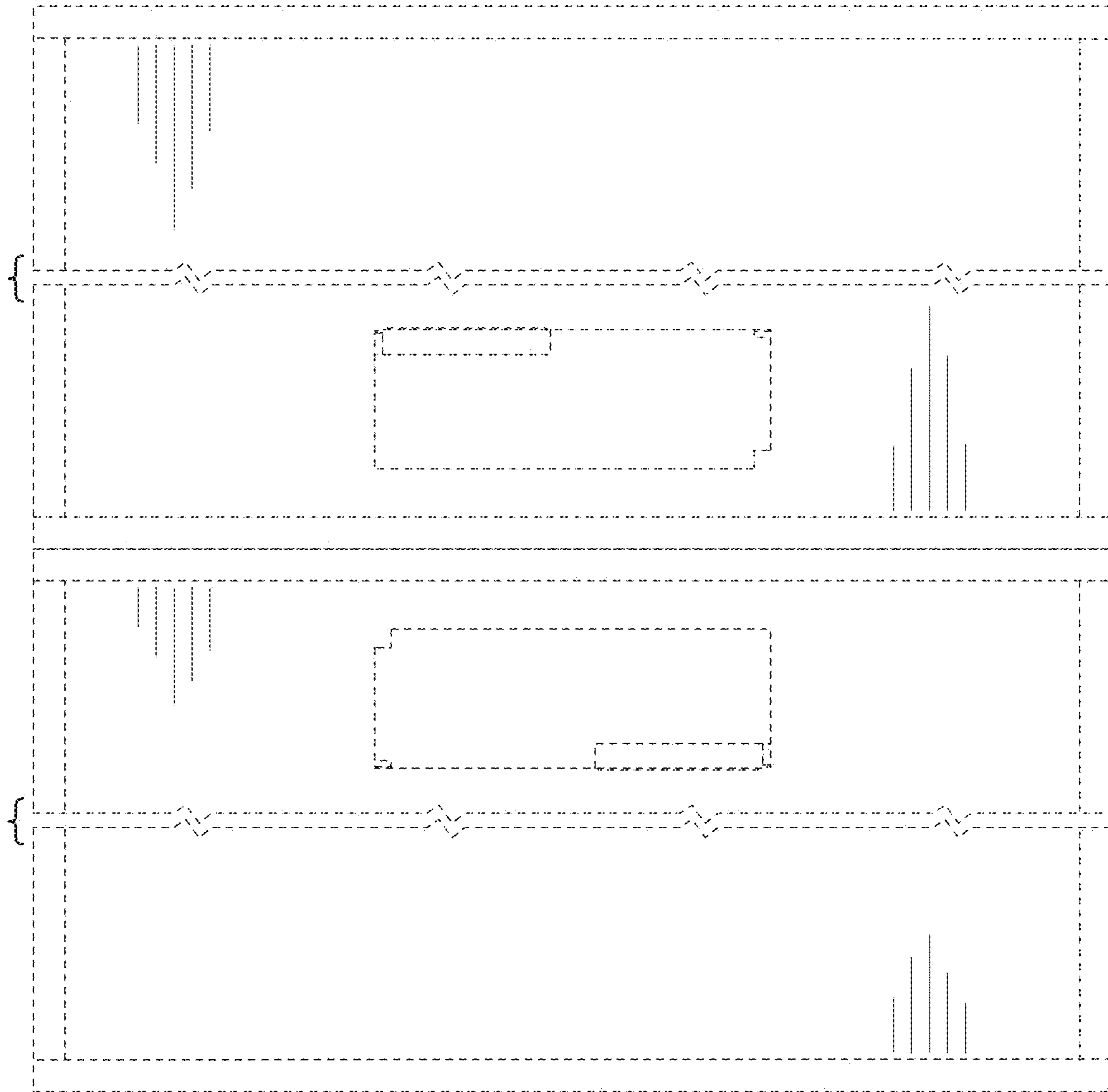


FIG. 22

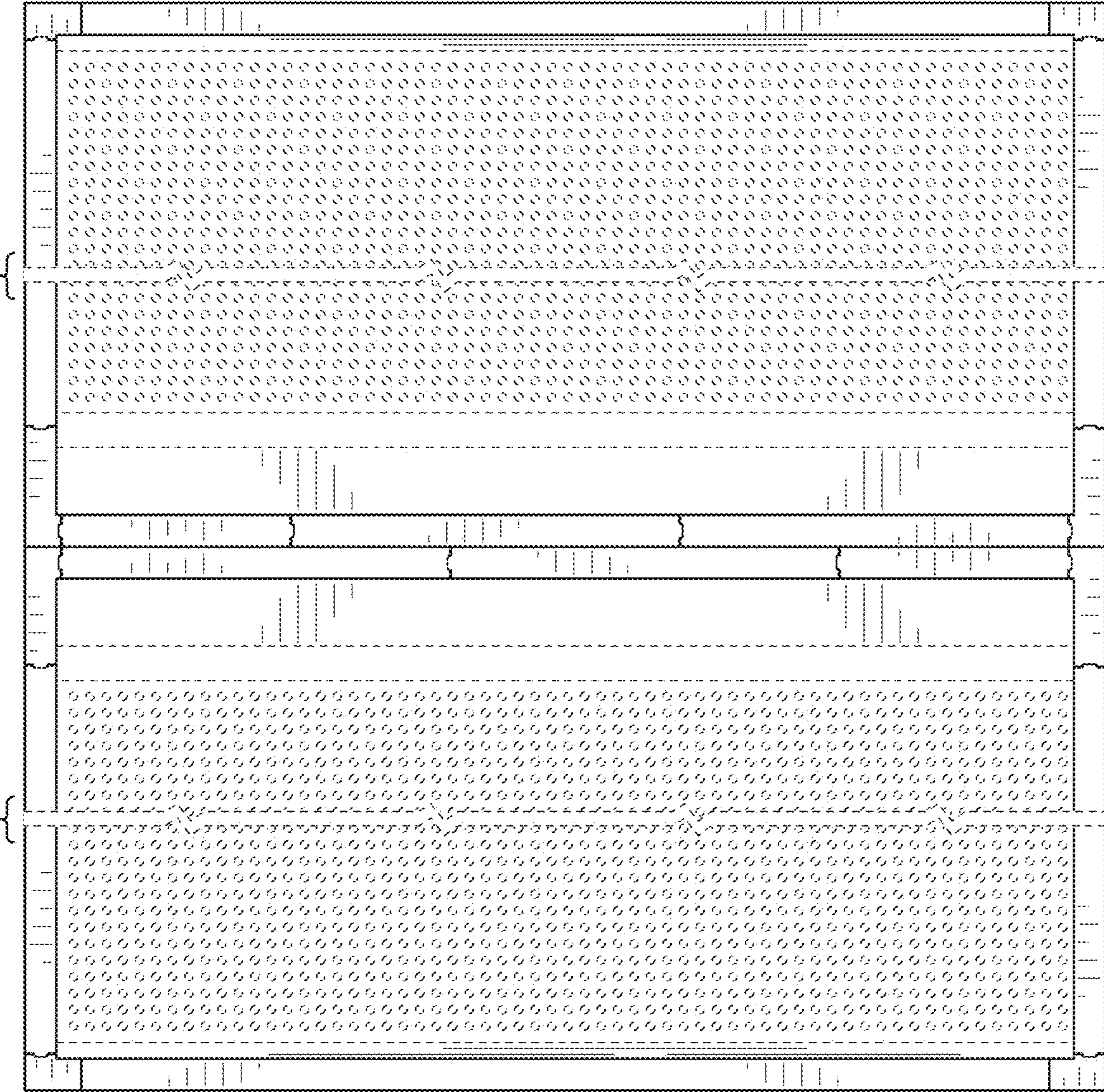


FIG. 23

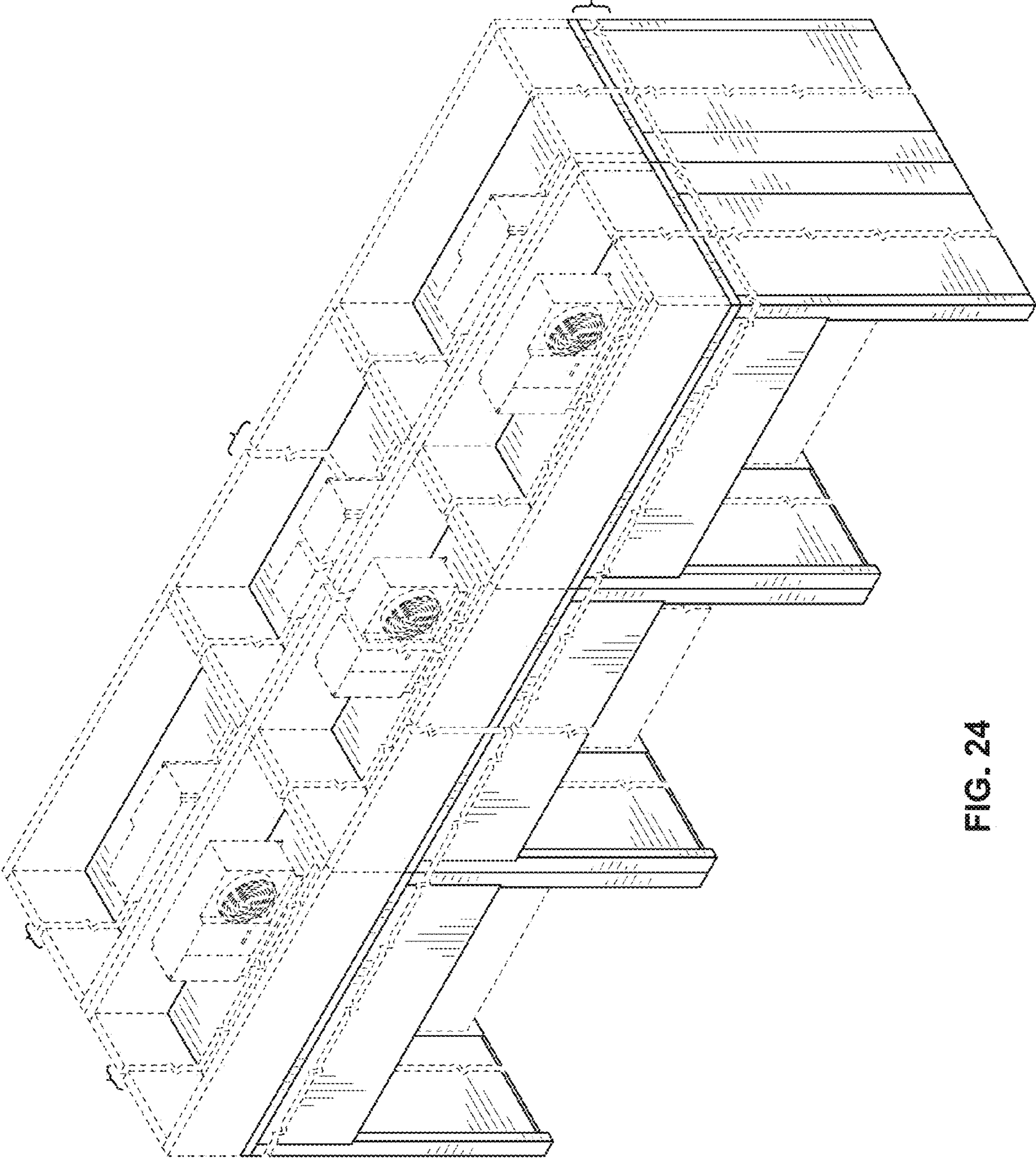


FIG. 24

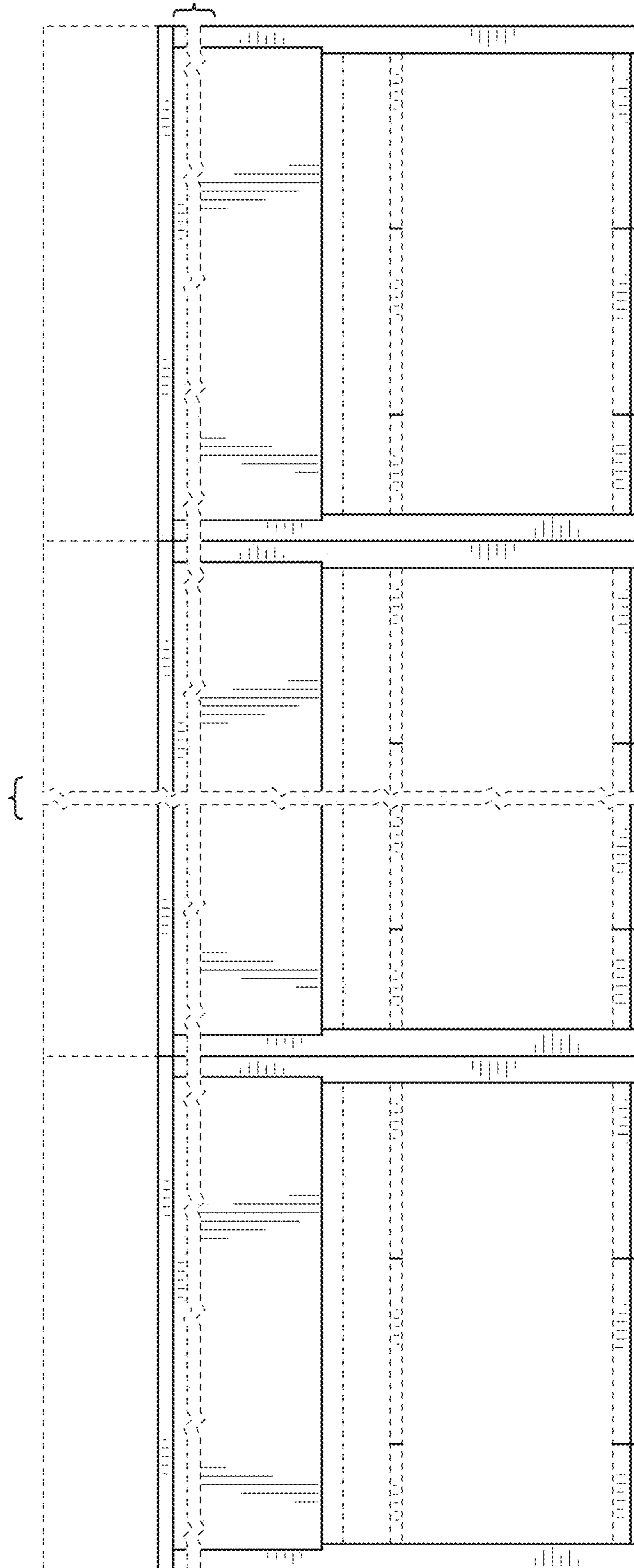


FIG. 25

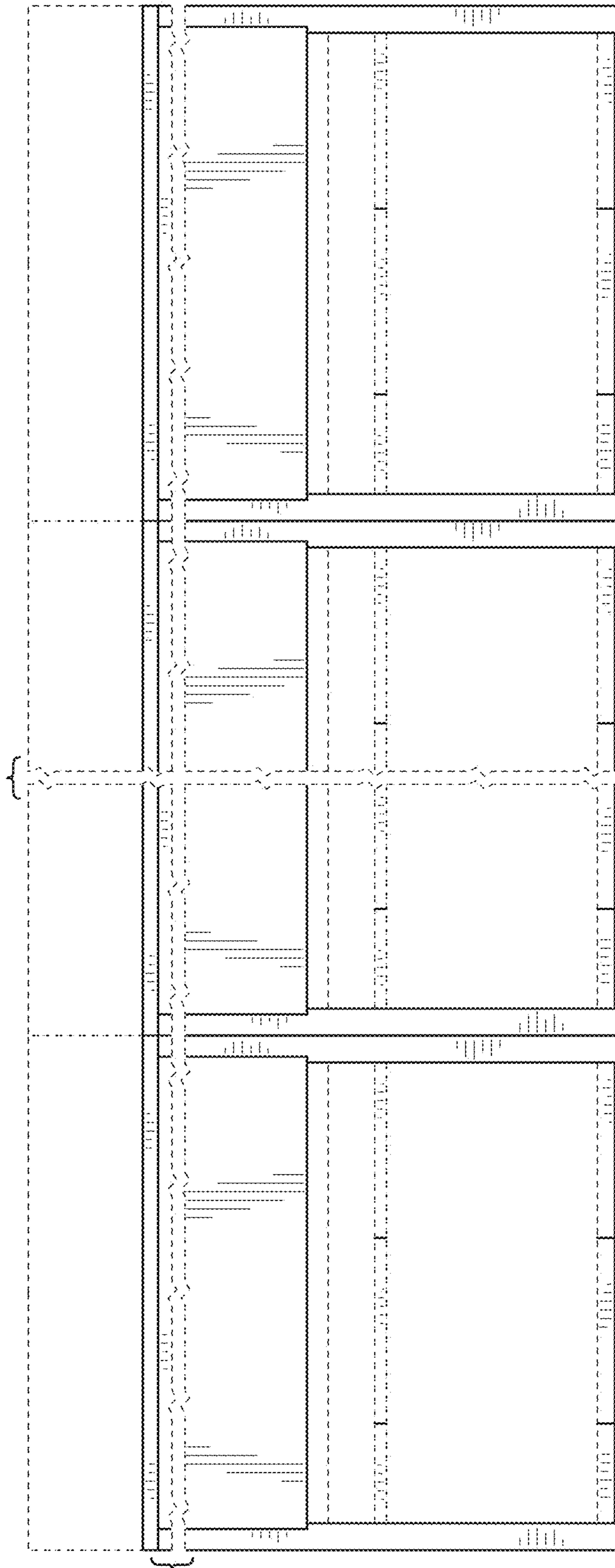


FIG. 26

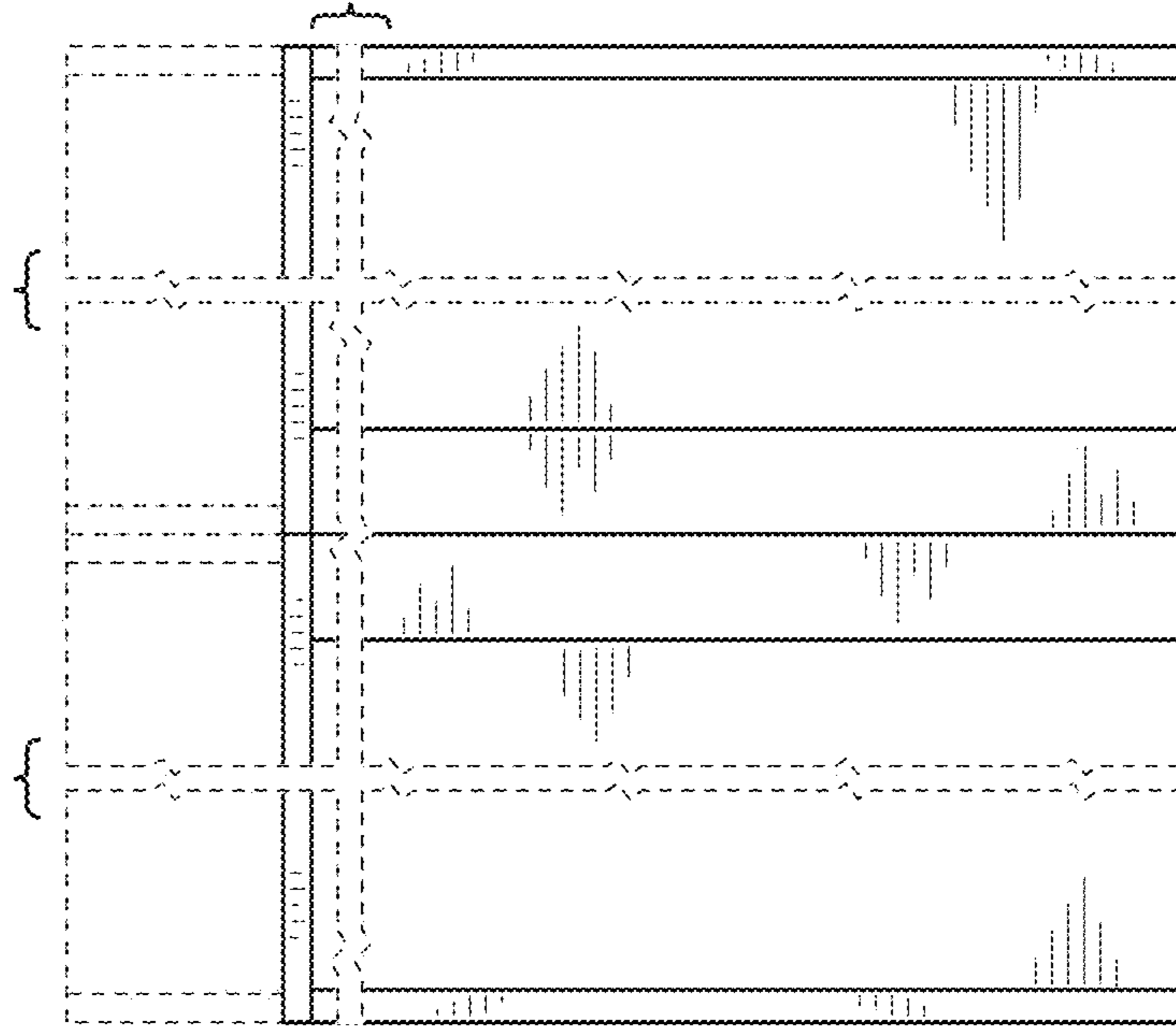


FIG. 28

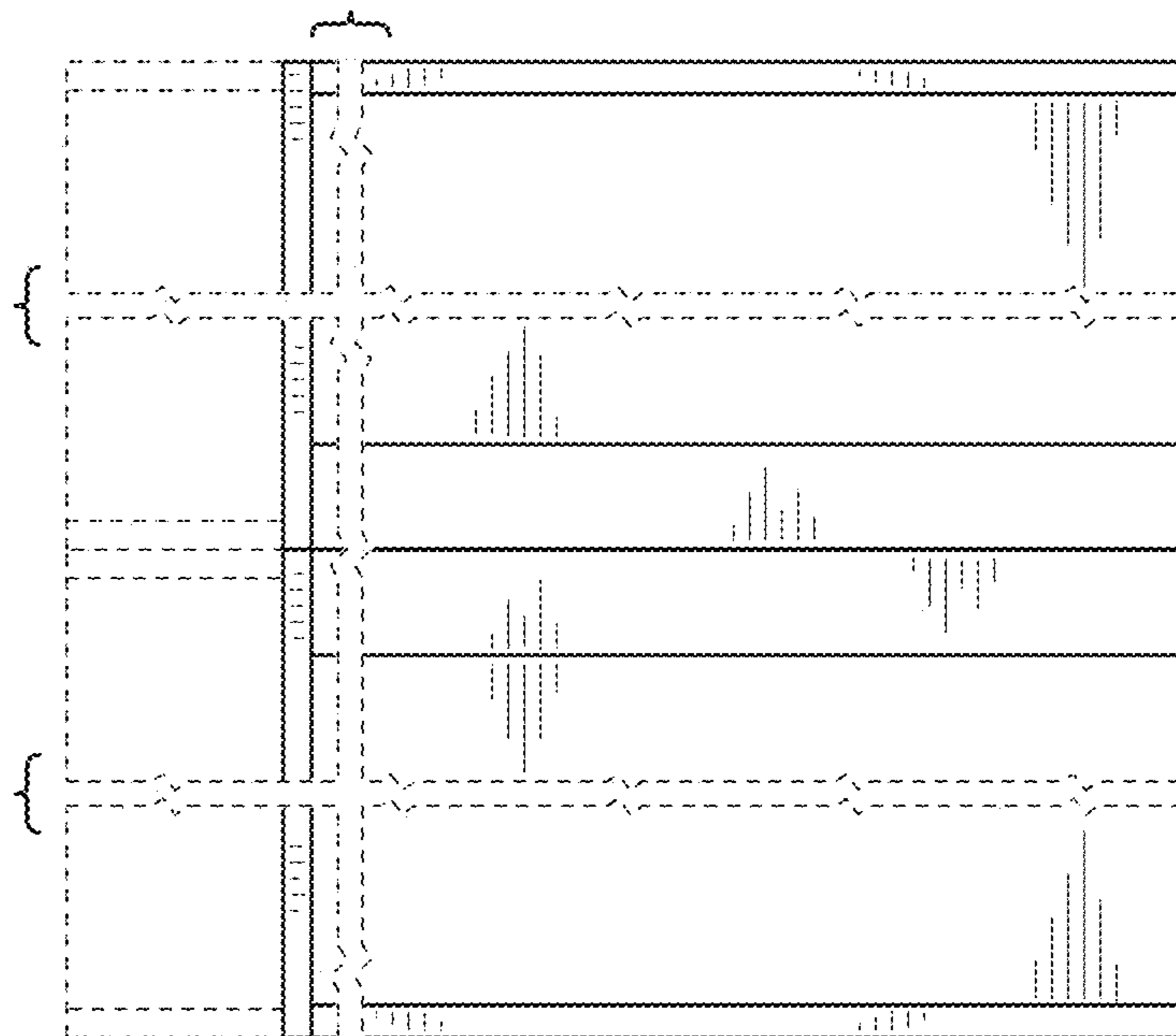


FIG. 27

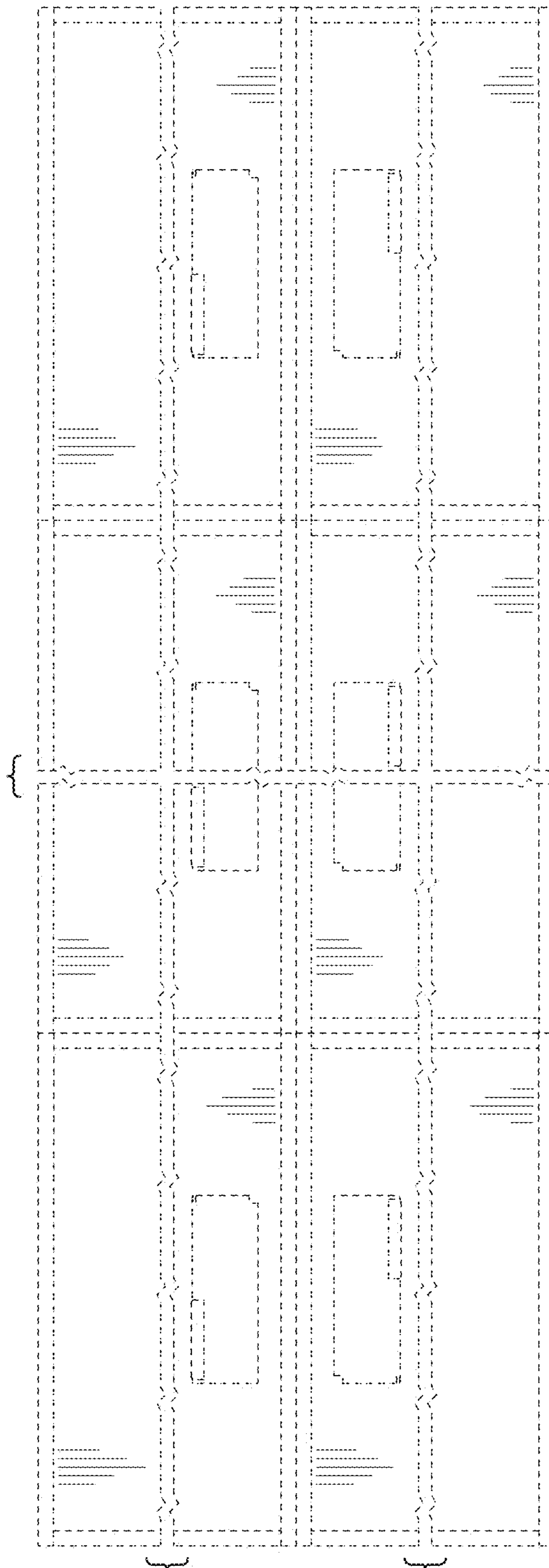


FIG. 29

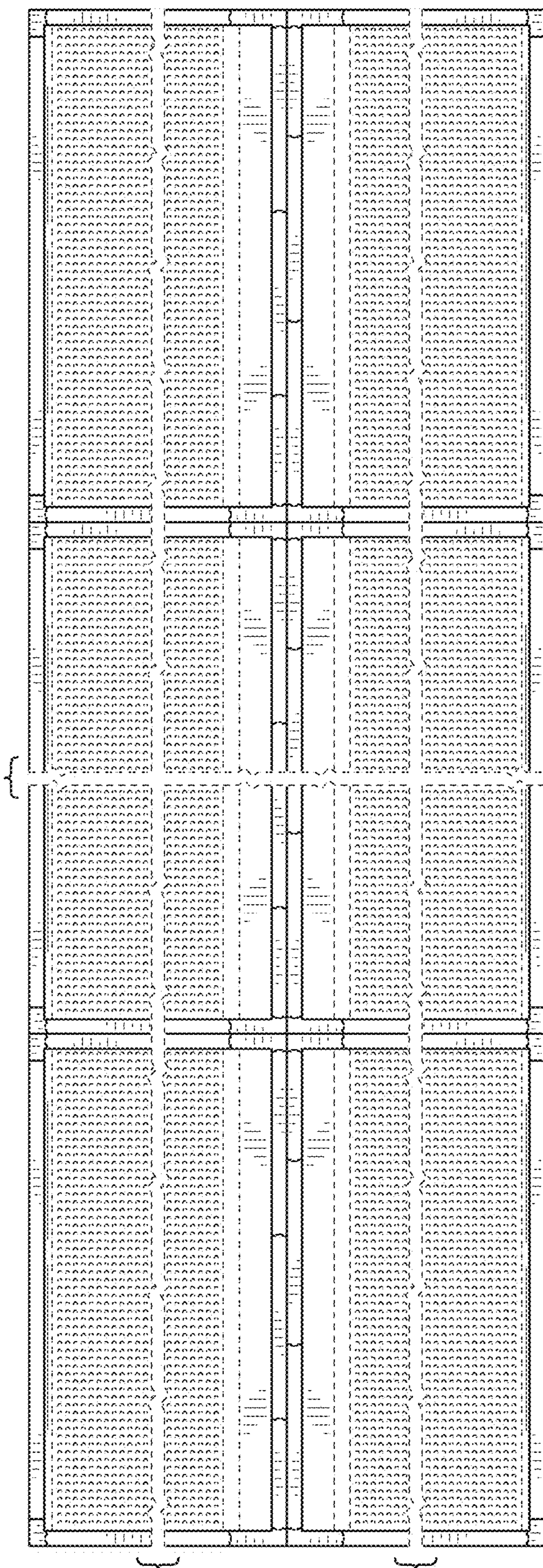


FIG. 30

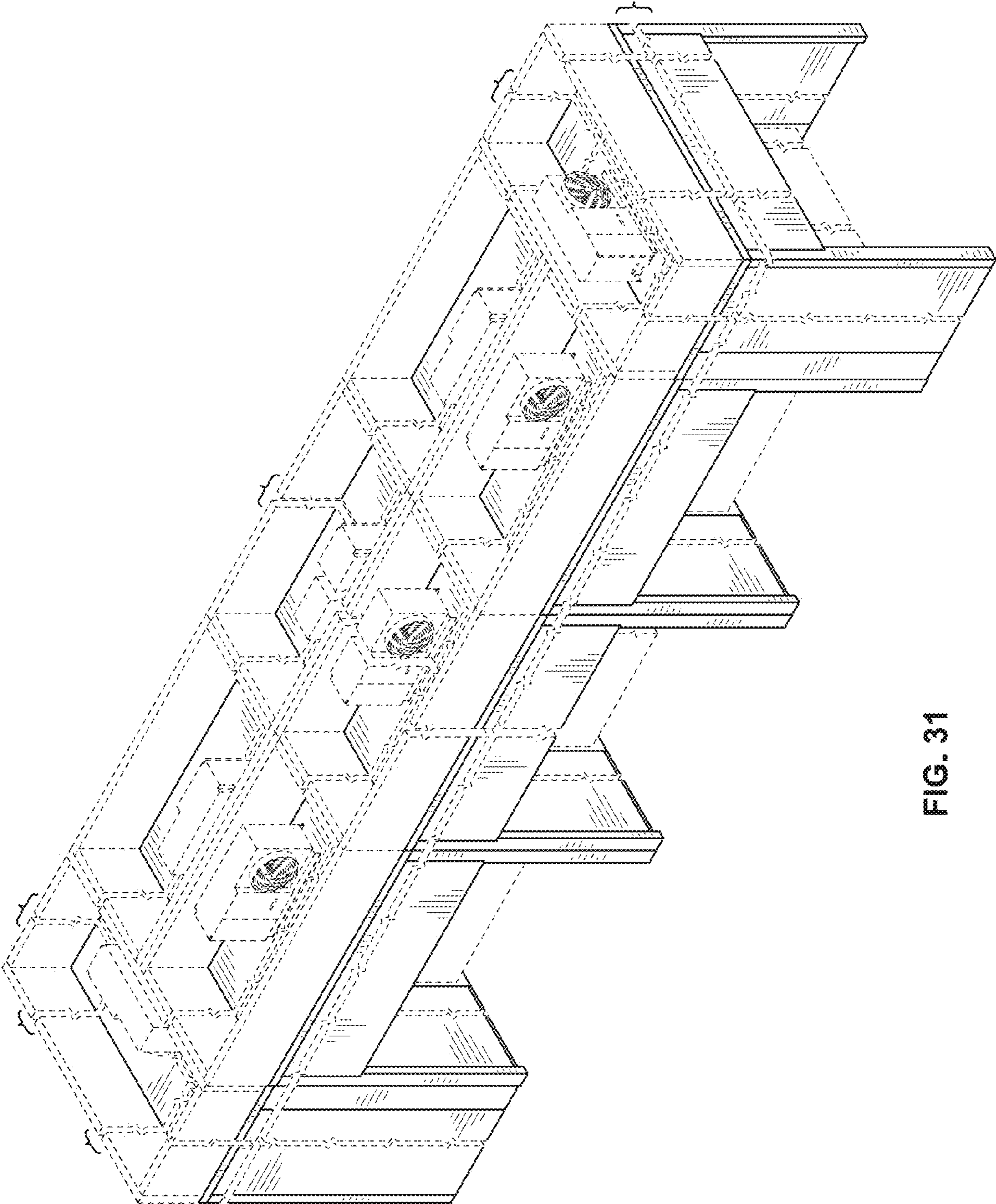


FIG. 31

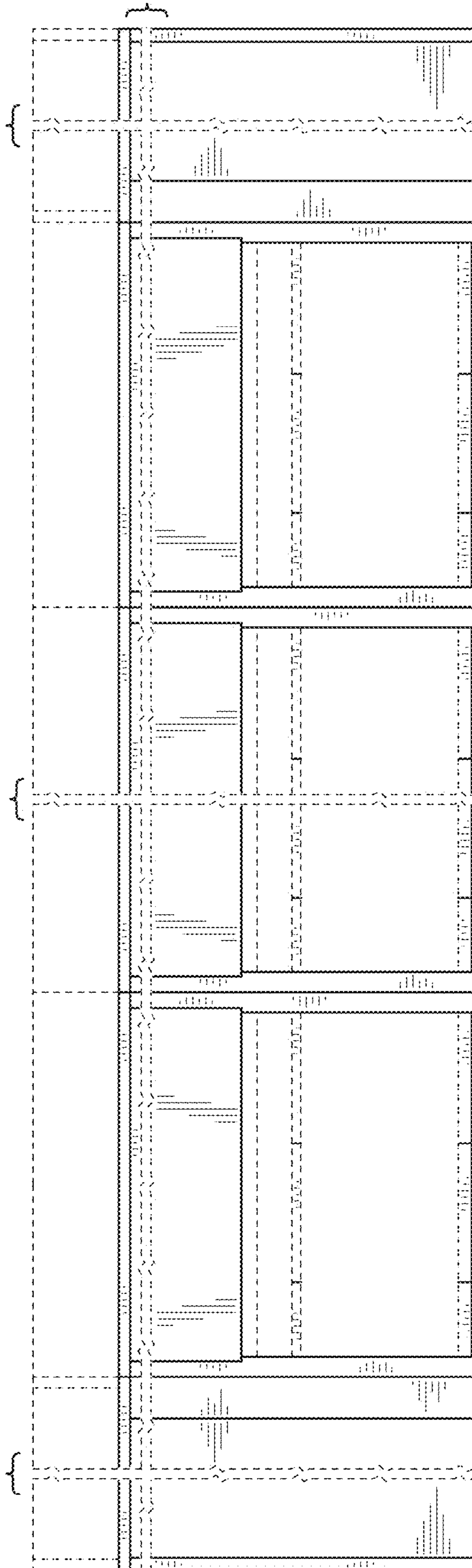


FIG. 32

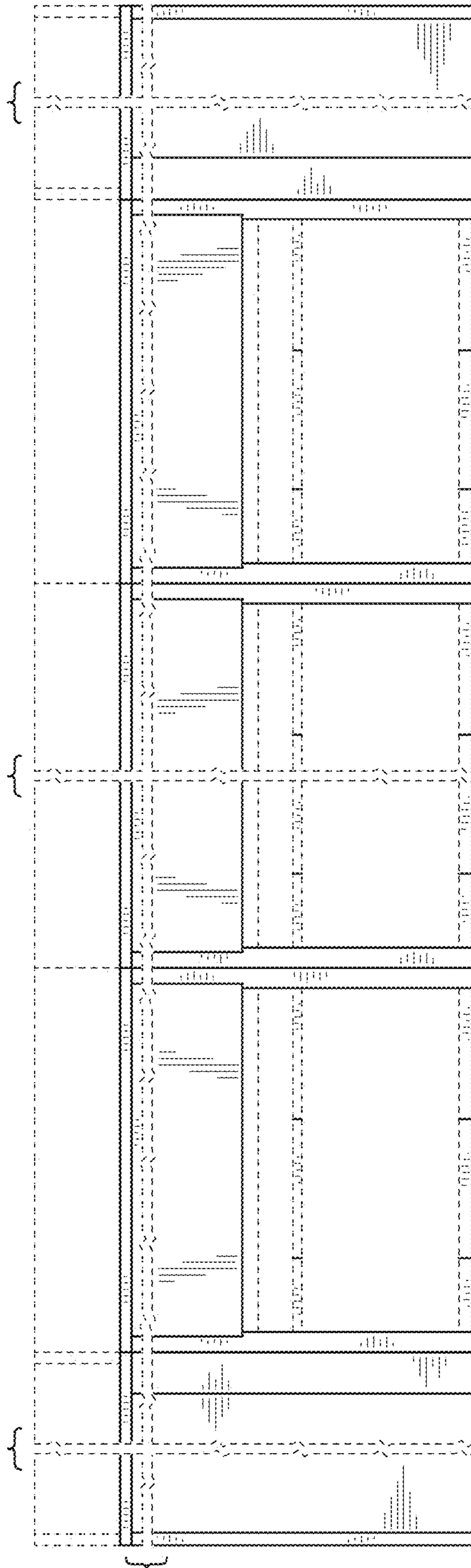


FIG. 33

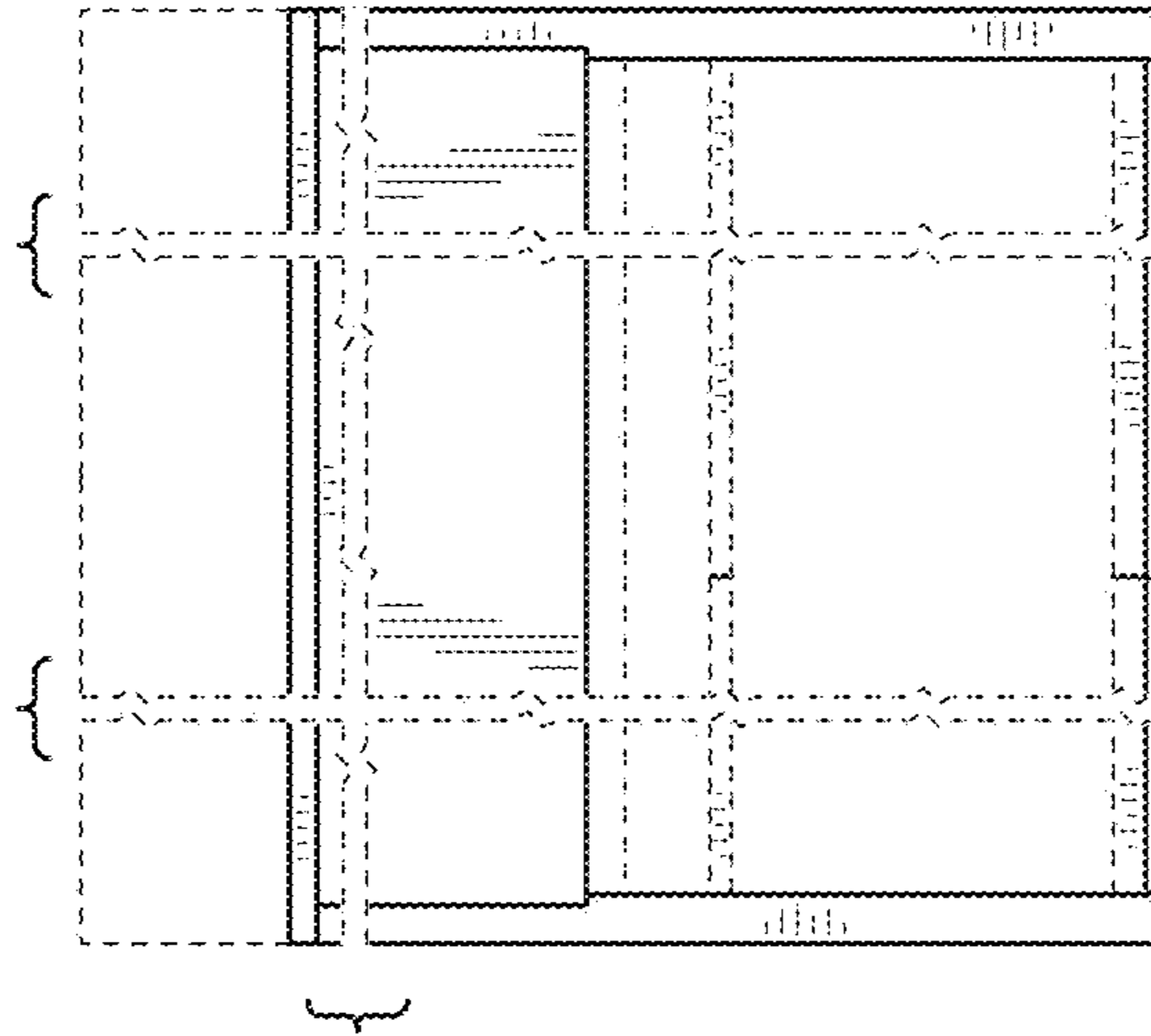


FIG. 34

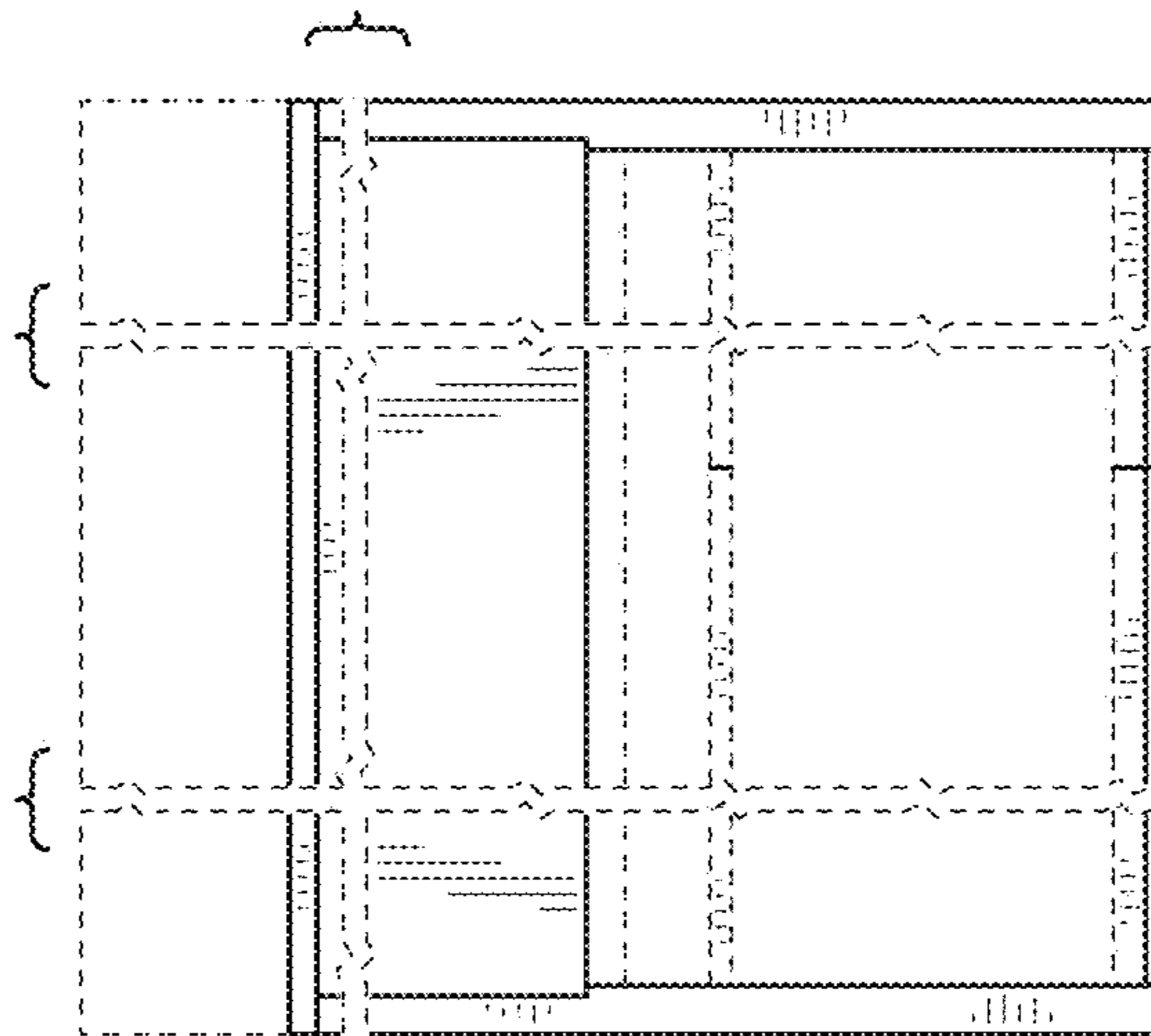


FIG. 35

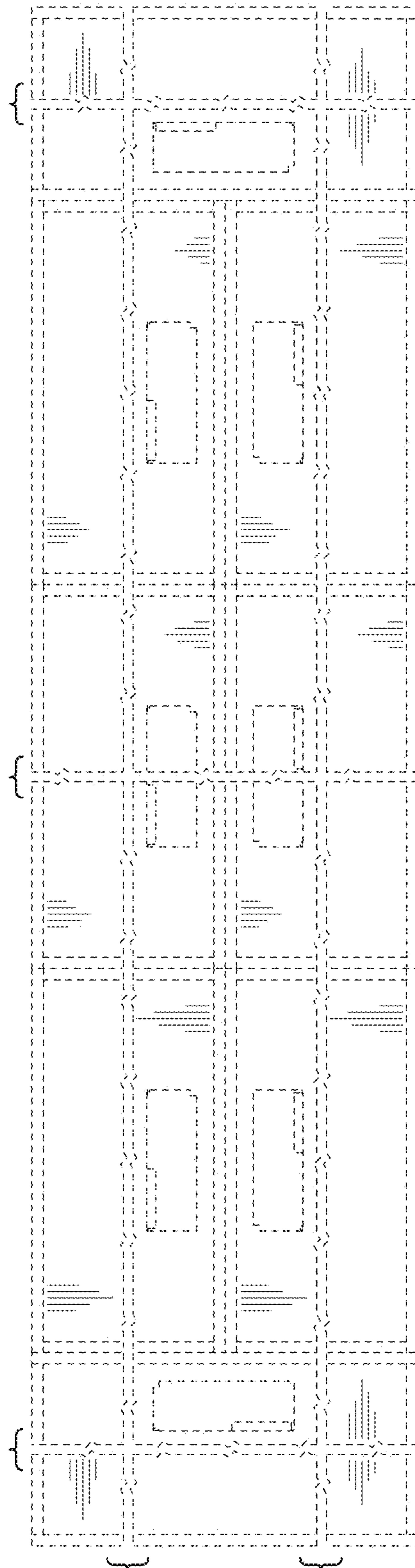


FIG. 36

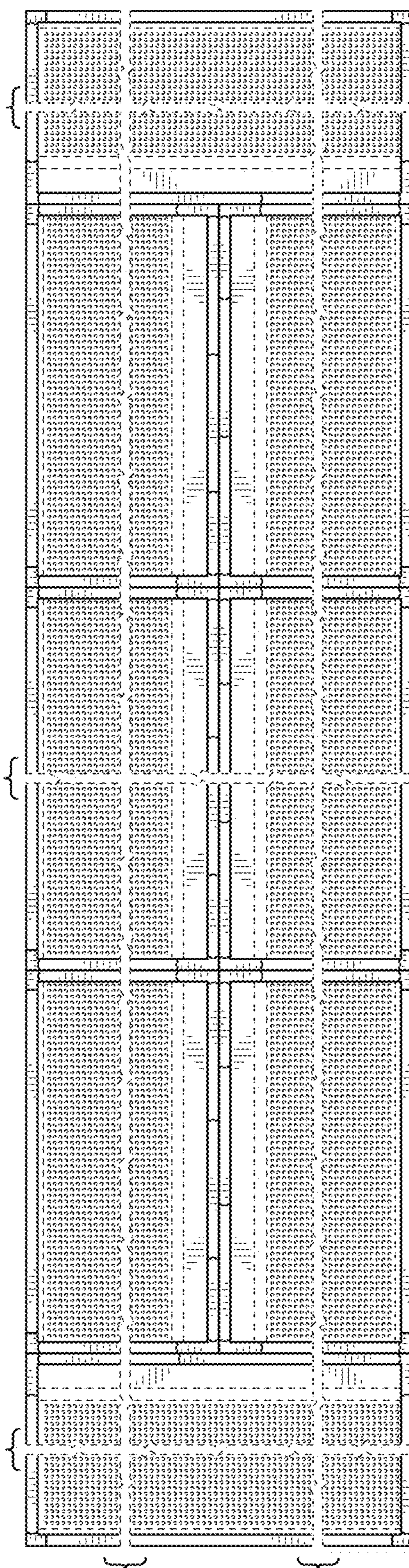


FIG. 37