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

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(54) **ELEVATOR CAR**

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(51) **LOC (11) Cl.** ..... **25-02**

(52) **U.S. Cl.**  
USPC ..... **D25/37**

(58) **Field of Classification Search**  
USPC .... D25/37, 138, 149, 150, 157; D34/28, 33,  
D34/35, 37

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,616,096 A \* 2/1927 Van Doorn ..... B66B 11/0253  
52/282.4  
D84,604 S \* 7/1931 Stegeman ..... D25/37

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 301061463 \* 11/2009  
CN 301161315 \* 3/2010  
CN 302901364 \* 8/2014

**OTHER PUBLICATIONS**

<http://otiselevatorbd.com/otis-passenger-lift/> Uploaded Dec. 2017  
(Year: 2017).\*

(Continued)

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(57) **CLAIM**

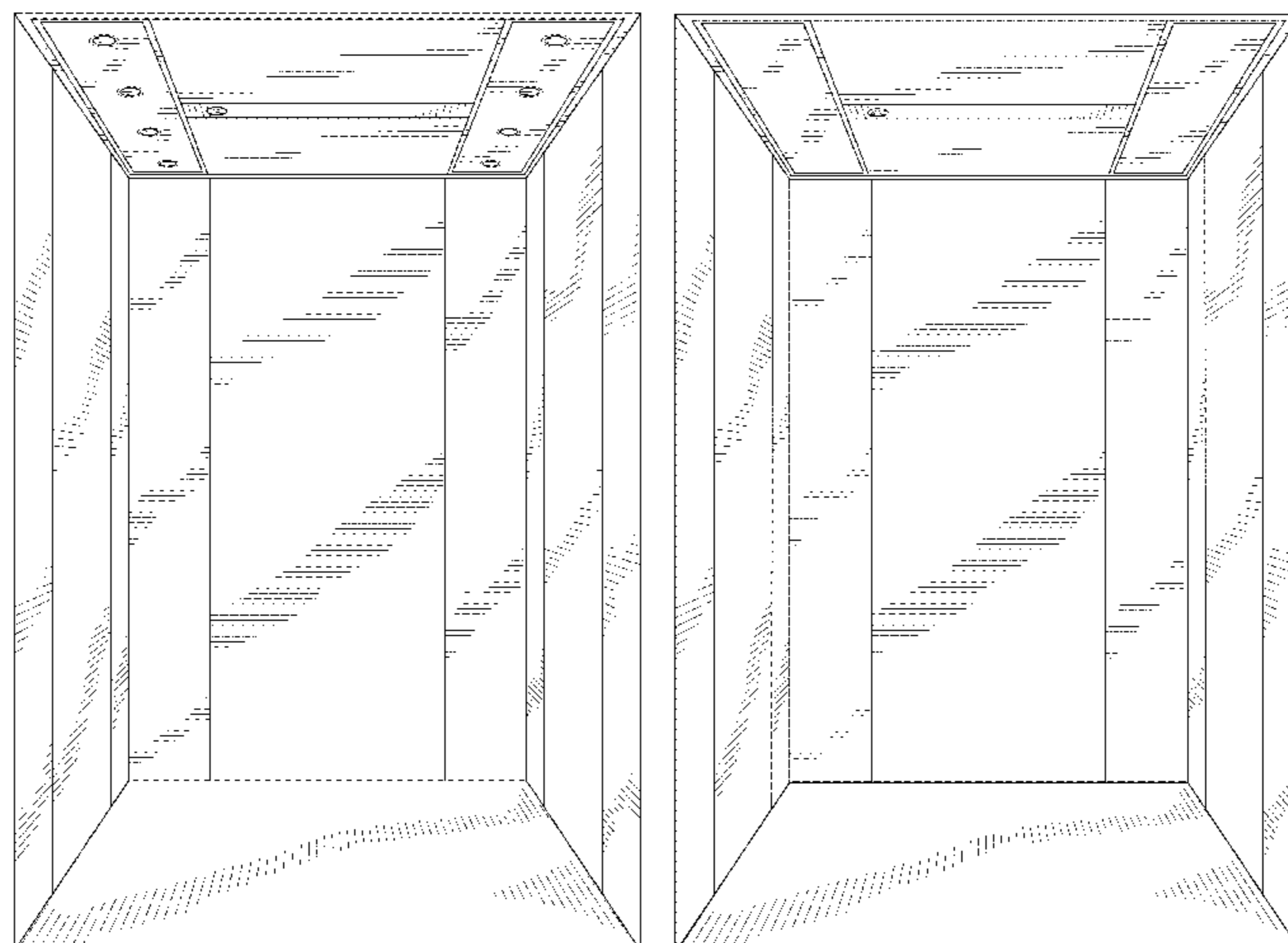
The ornamental design for an elevator car, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of an elevator car showing our new design in an exemplary embodiment;  
FIG. 2 is a rear view of the embodiment shown in FIG. 1;  
FIG. 3 is a front view of the embodiment shown in FIG. 1;  
FIG. 4 is a side view of the embodiment shown in FIG. 1;  
FIG. 5 is another side view of the embodiment shown in FIG. 1;  
FIG. 6 is a top view of the embodiment shown in FIG. 1;  
FIG. 7 is a bottom view of the embodiment shown in FIG. 1;  
FIG. 8 is a perspective view of an elevator car showing our new design in an exemplary embodiment;  
FIG. 9 is a rear view of the embodiment shown in FIG. 8;  
FIG. 10 is a front view of the embodiment shown in FIG. 8;  
FIG. 11 is a side view of the embodiment shown in FIG. 8;  
FIG. 12 is another side view of the embodiment shown in FIG. 8;  
FIG. 13 is a top view of the embodiment shown in FIG. 8;  
and,  
FIG. 14 is a bottom view of the embodiment shown in FIG. 8.

The broken lines in the figures are for environmental purposes only and form no part of the claimed design.

**1 Claim, 12 Drawing Sheets**



**(30) Foreign Application Priority Data**

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**(58) Field of Classification Search**

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 13/081; E04F 13/0846; E04C 2/384

See application file for complete search history.

2004/0052070 A1\* 3/2004 Mandy ..... B66B 11/0233  
 362/147  
 2008/0296100 A1\* 12/2008 Lee ..... B66B 11/0226  
 187/401  
 2012/0106138 A1\* 5/2012 Mandy ..... B66B 11/0233  
 362/147  
 2012/0181116 A1\* 7/2012 Chasteen ..... B66B 1/34  
 187/392  
 2012/0181117 A1\* 7/2012 Chasteen ..... B66B 11/0233  
 187/392

**OTHER PUBLICATIONS**

**(56) References Cited**

**U.S. PATENT DOCUMENTS**

2,206,075 A \* 7/1940 Campbell ..... B66B 11/0253  
 52/261  
 D195,117 S \* 4/1963 Brounn ..... D25/37  
 3,103,708 A \* 9/1963 Pomeroy ..... B66B 11/0253  
 410/107  
 3,282,004 A \* 11/1966 Brounn ..... B66B 11/0226  
 52/269  
 3,383,820 A \* 5/1968 Kates ..... E04C 2/384  
 52/475.1  
 D223,340 S \* 4/1972 Brounn ..... D25/37  
 D250,278 S \* 11/1978 Hesford ..... D25/157  
 4,704,662 A \* 11/1987 Makino ..... B66B 11/0233  
 362/147  
 4,709,308 A \* 11/1987 Makino ..... B66B 11/0233  
 362/148  
 4,711,322 A \* 12/1987 Orndorff ..... E04B 9/18  
 187/401  
 4,712,651 A \* 12/1987 Sherwood ..... B66B 11/0233  
 187/401  
 4,749,061 A \* 6/1988 Orndorff ..... B66B 11/0233  
 187/401  
 4,875,552 A \* 10/1989 Smith ..... B66B 11/0226  
 160/135  
 5,412,542 A \* 5/1995 Mandy ..... B66B 11/0233  
 187/390  
 5,862,889 A \* 1/1999 Sevilleja ..... B66B 1/466  
 187/395  
 6,161,654 A \* 12/2000 Sirigu ..... B66B 3/00  
 187/391  
 D461,563 S \* 8/2002 Fayol ..... D25/37  
 D465,285 S \* 11/2002 Fayol ..... D25/37  
 2003/0006102 A1\* 1/2003 Bloch ..... B66B 11/0233  
 187/414

<http://www.safeelevator.net/project/car-cabin/> Uploaded Sep. 2015  
 (Year: 2015).\*  
[http://gliftvalley.com/en/directory/daemyung-elevator-co-ltd/  
 #prettyPhoto](http://gliftvalley.com/en/directory/daemyung-elevator-co-ltd/#prettyPhoto) Available Oct. 2, 2016 (Year: 2016).\*  
 Examination Report; European Union Application Nos. 003773688-  
 0001/003773688-0008; dated Mar. 9, 2017; 6 Pages.  
 Notification to Grant Patent Right for Design and the Notification to  
 Go Through Formalities of Registration; Chinese Application No.  
 201630438517.9; dated Apr. 26, 2017; 6 Pages.  
 Notification to Grant Patent Right for Design and the Notification to  
 Go Through Formalities of Registration; Chinese Application No.  
 201630439106.1; dated May 4, 2017; 6 Pages.  
 Notification to Grant Patent Right for Design and the Notification to  
 Go Through Formalities of Registration; Chinese Application No.  
 201630439140.9; dated May 4, 2017; 6 Pages.  
 Notification to Grant Patent Right for Design and the Notification to  
 Go Through Formalities of Registration; Chinese Application No.  
 201630439157.4; dated Jul. 27, 2017; 6 Pages.  
 Notification to Make Rectification (2nd); Chinese Application No.  
 201630439157.4; dated Jan. 18, 2017; 2 Pages.  
 Notification to Make Rectification (2nd); Chinese Application No.  
 201630438517.9; dated Jan. 18, 2017; 2 Pages.  
 Notification to Make Rectification (2nd); Chinese Application No.  
 201630439106.1; dated Jan. 18, 2017; 3 Pages.  
 Notification to Make Rectification (2nd); Chinese Application No.  
 201630439140.9; dated Jan. 18, 2017; 4 Pages.  
 Notification to Make Rectification; Chinese Application No.  
 201630438517.9; dated Nov. 18, 2016; 4 Pages.  
 Notification to Make Rectification; Chinese Application No.  
 201630439106.1; dated Nov. 14, 2016; 4 Pages.  
 Notification to Make Rectification; Chinese Application No.  
 201630439140.9; dated Nov. 14, 2016; 4 Pages.  
 Notification to Make Rectification; Chinese Application No.  
 201630439157.4; dated Nov. 14, 2016; 2 Pages.

\* cited by examiner

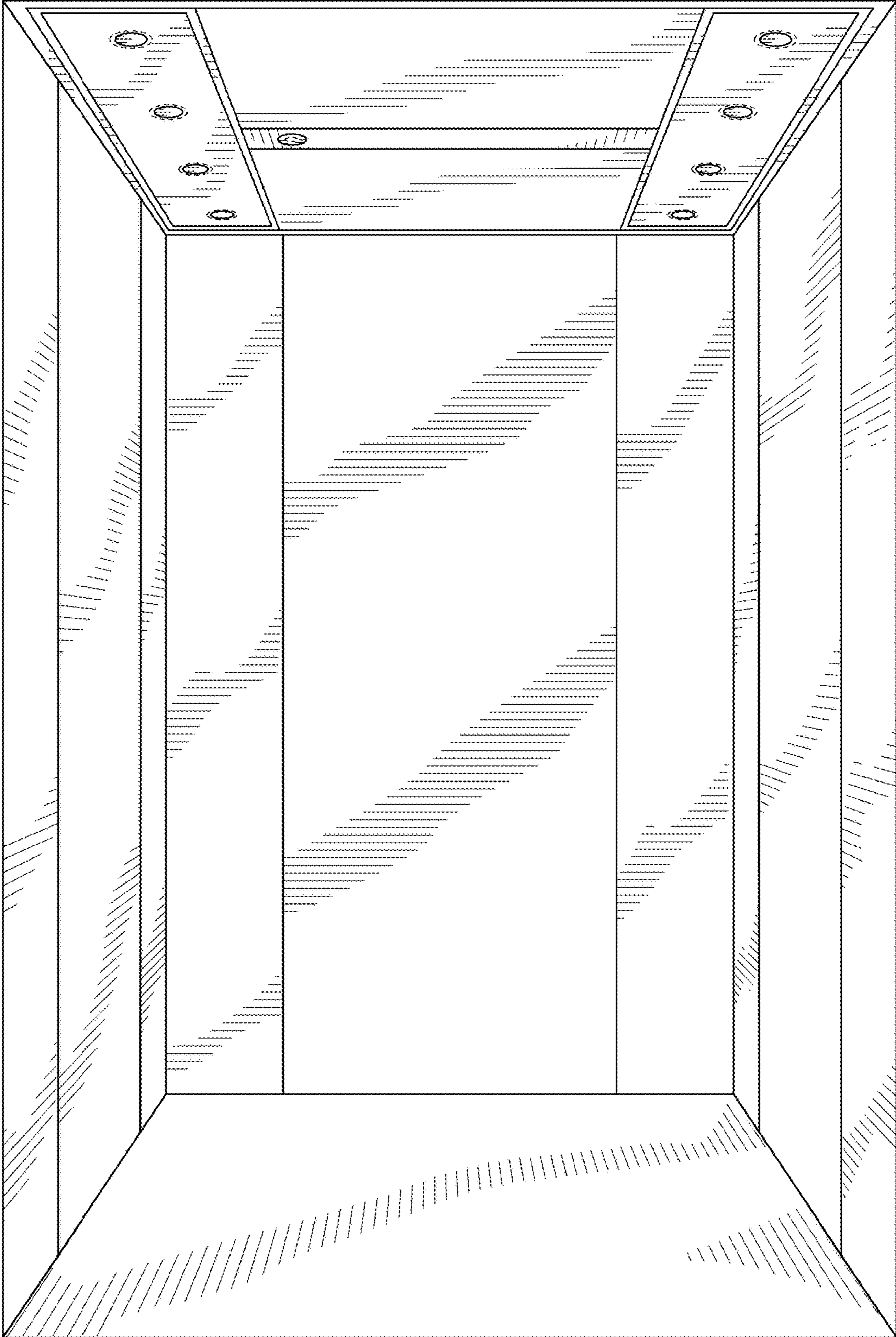
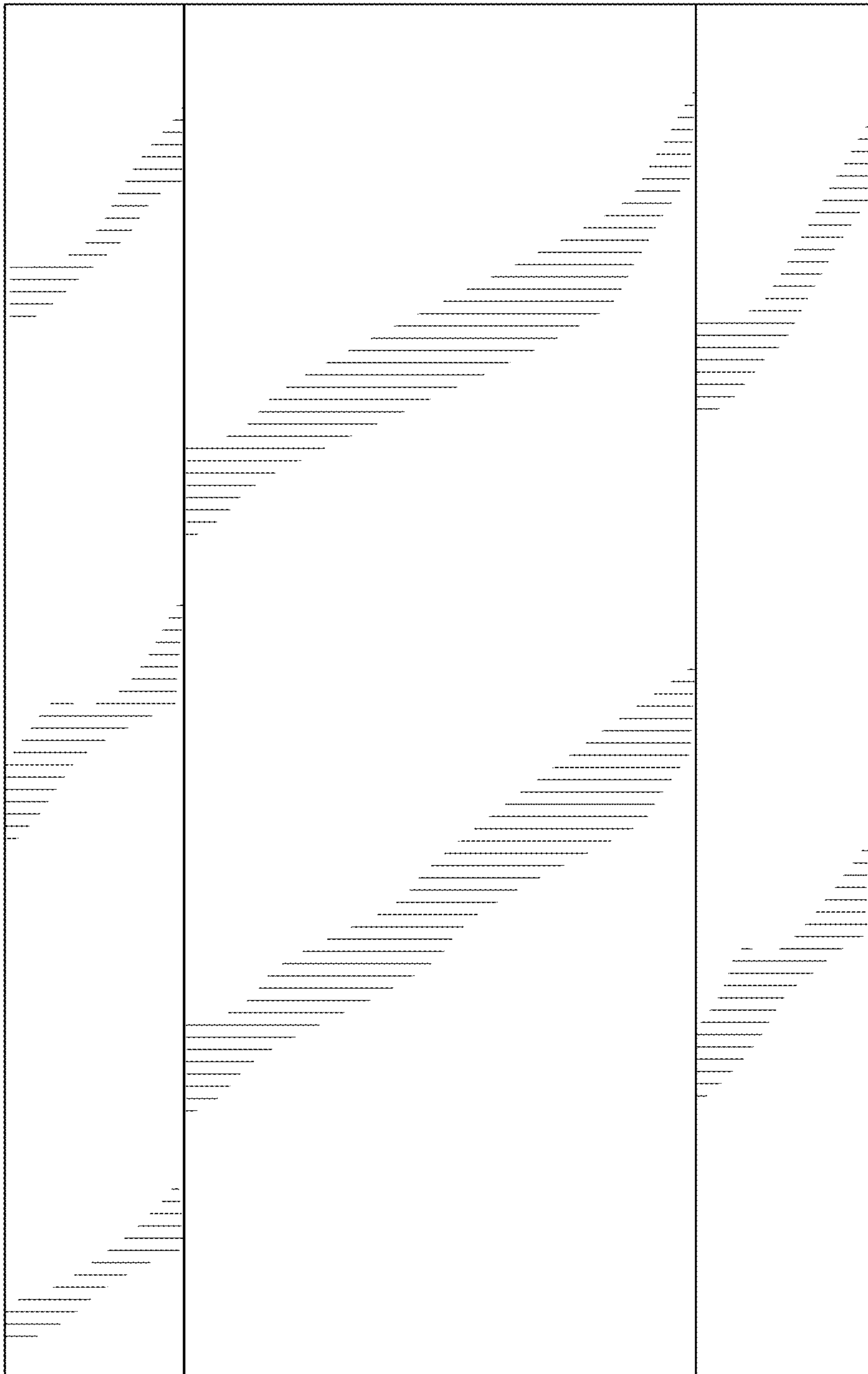
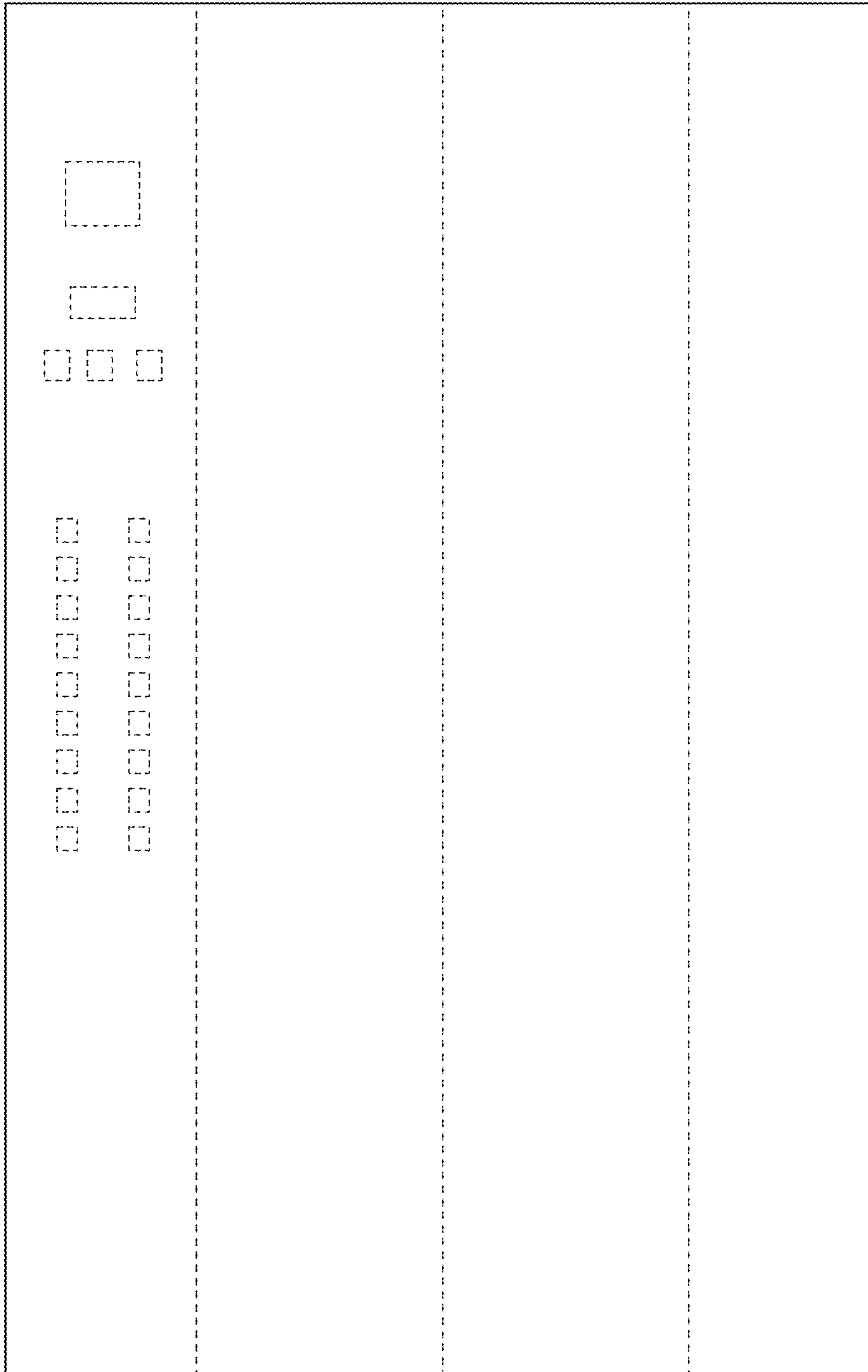


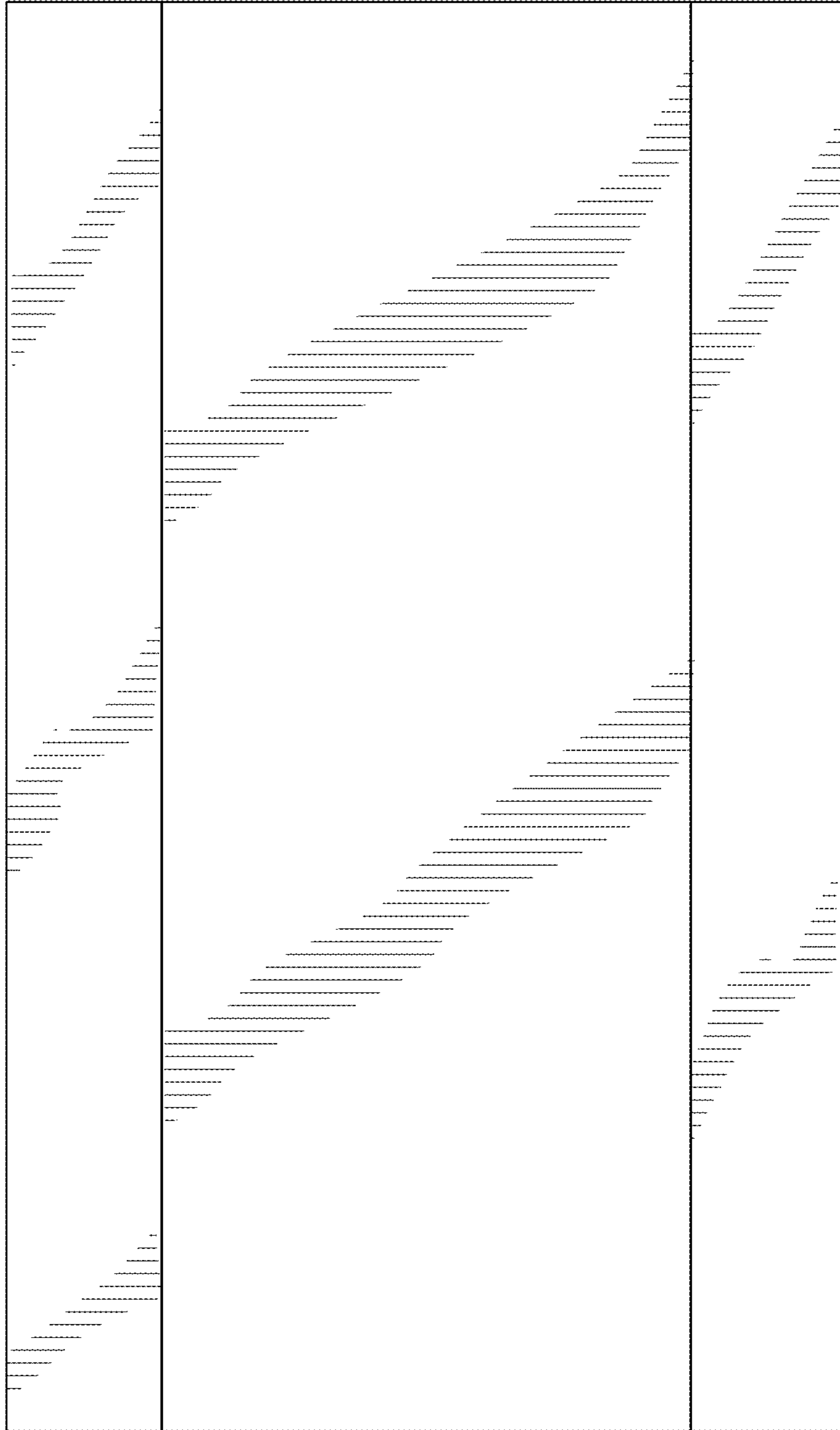
FIG. 1



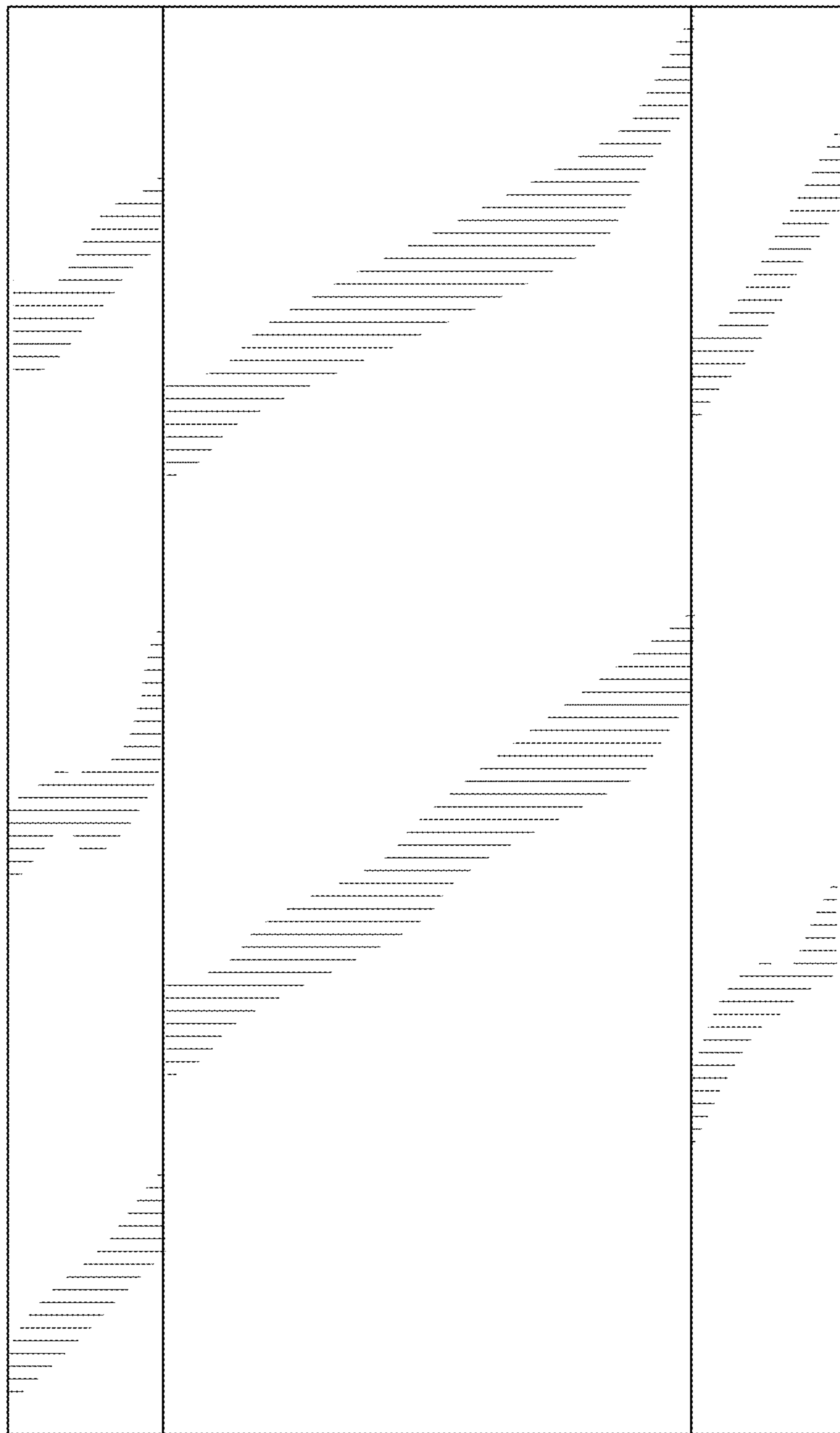
**FIG. 2**



**FIG. 3**



**FIG. 4**



**FIG. 5**

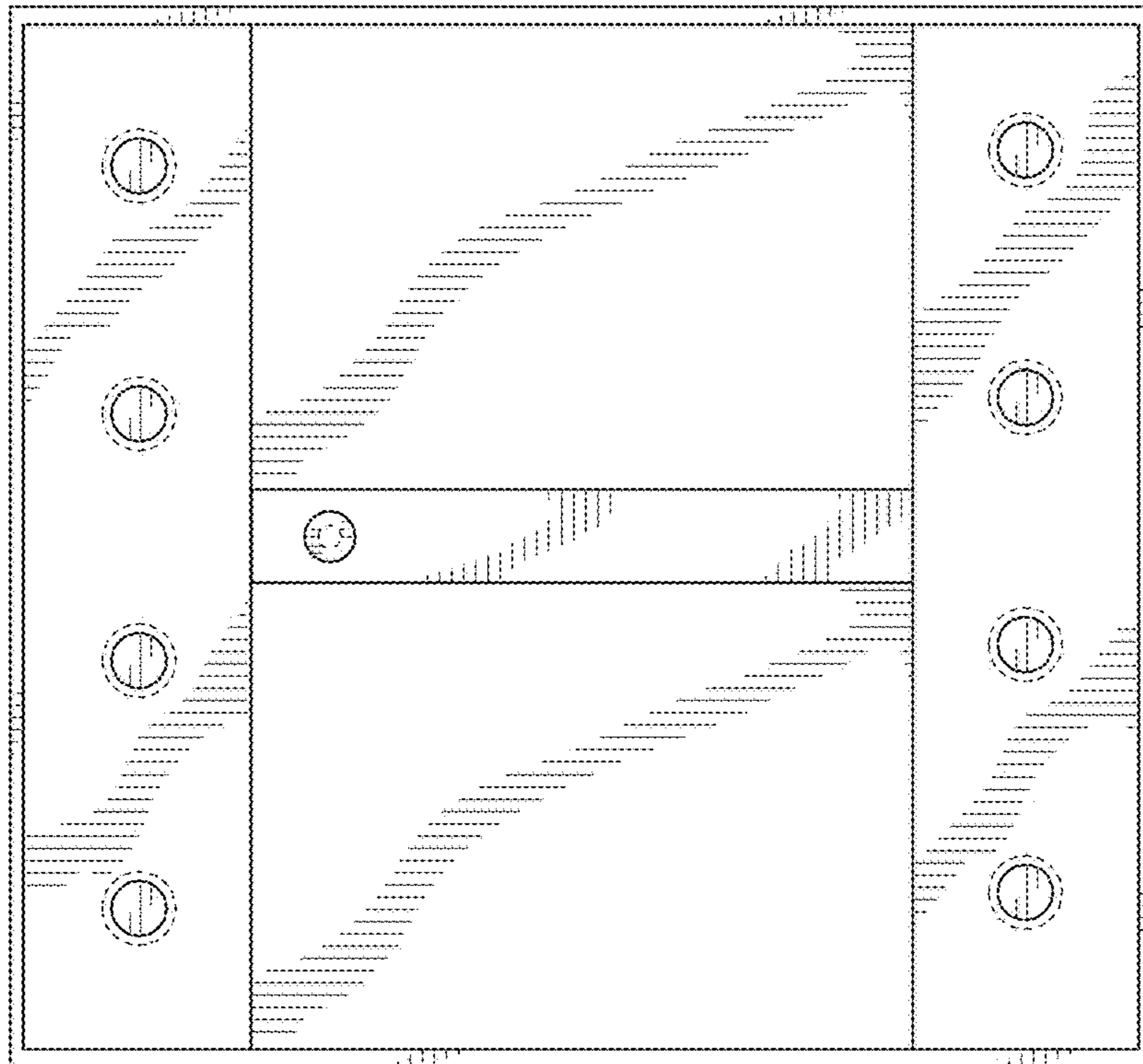


FIG. 6

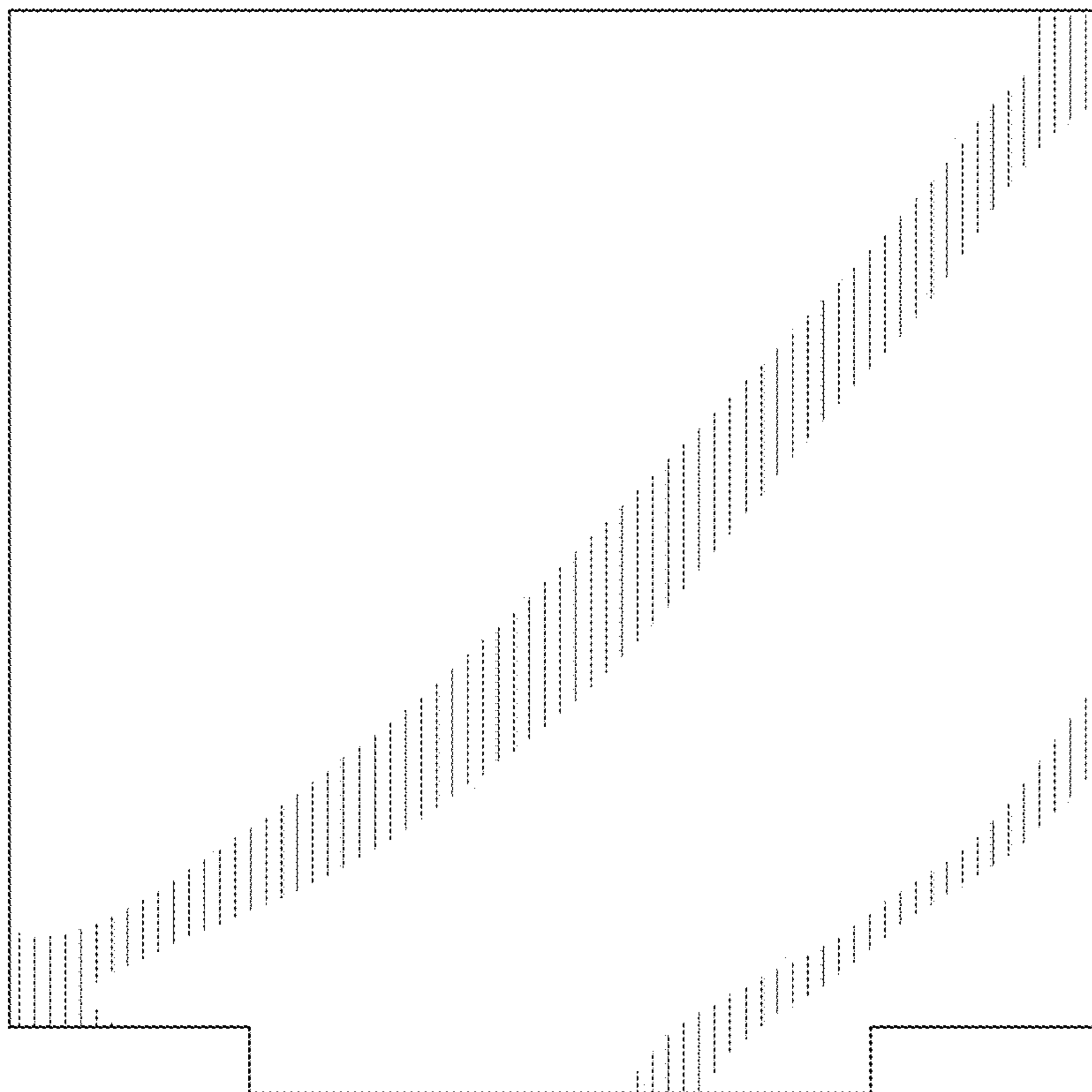


FIG. 7



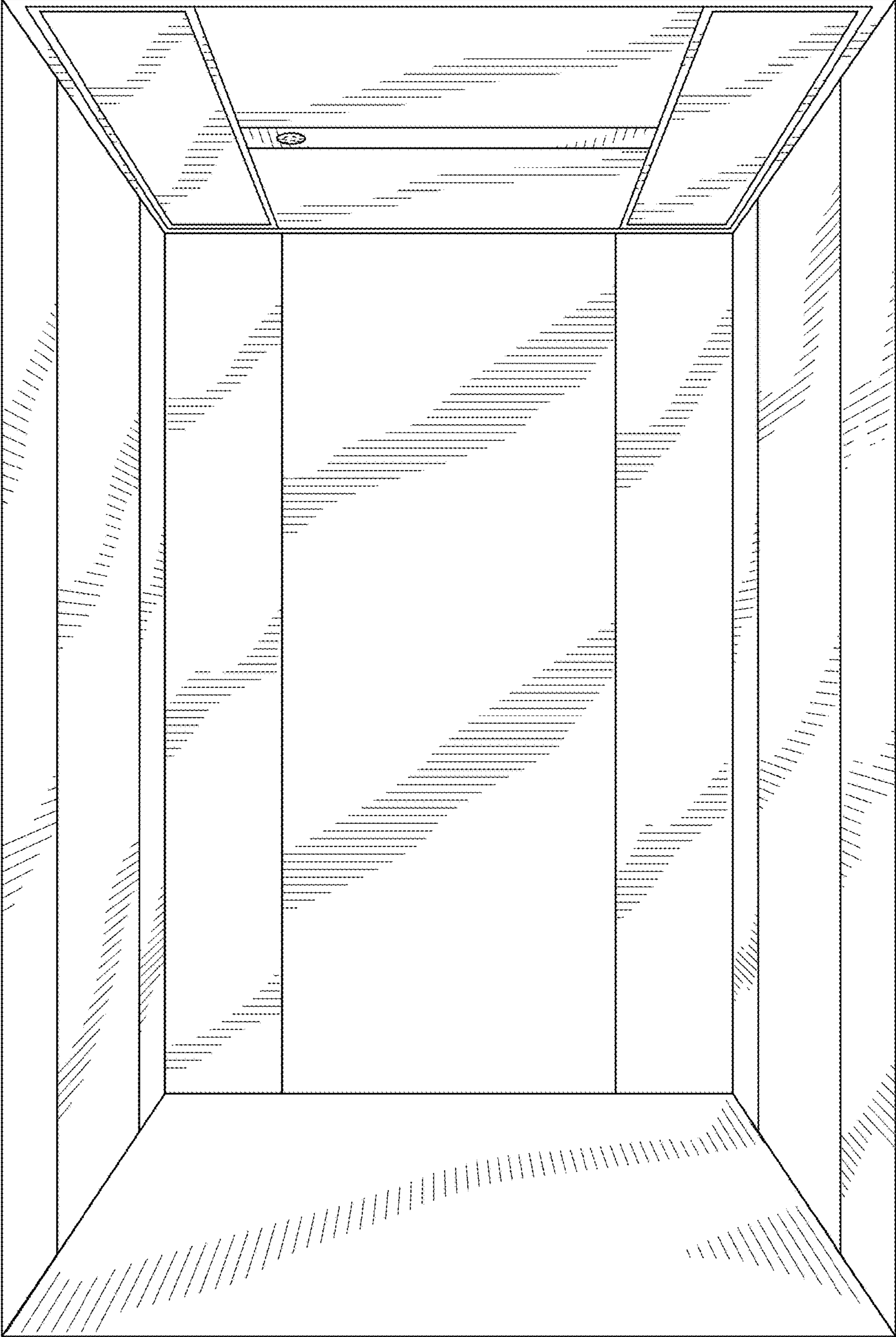
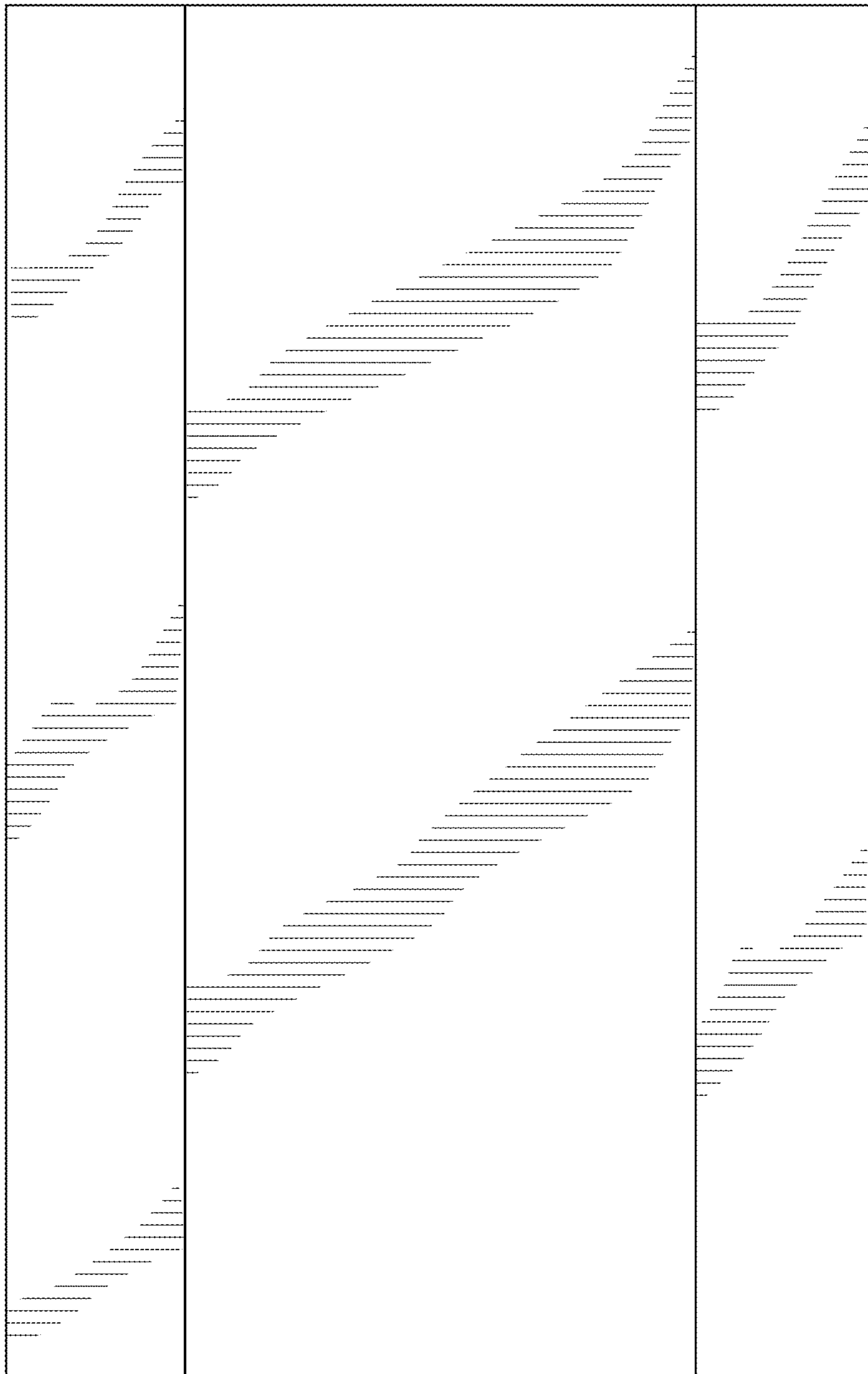
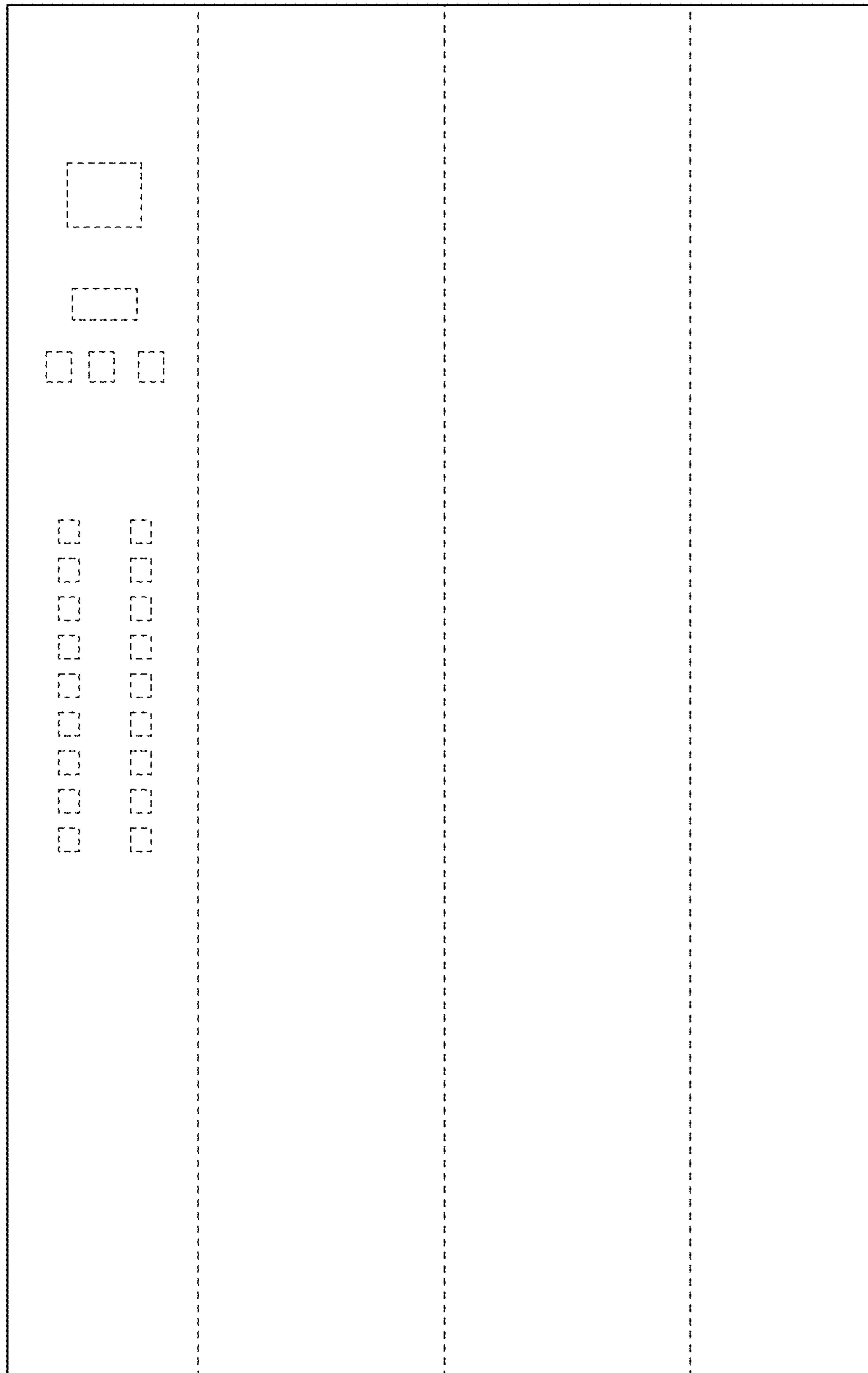


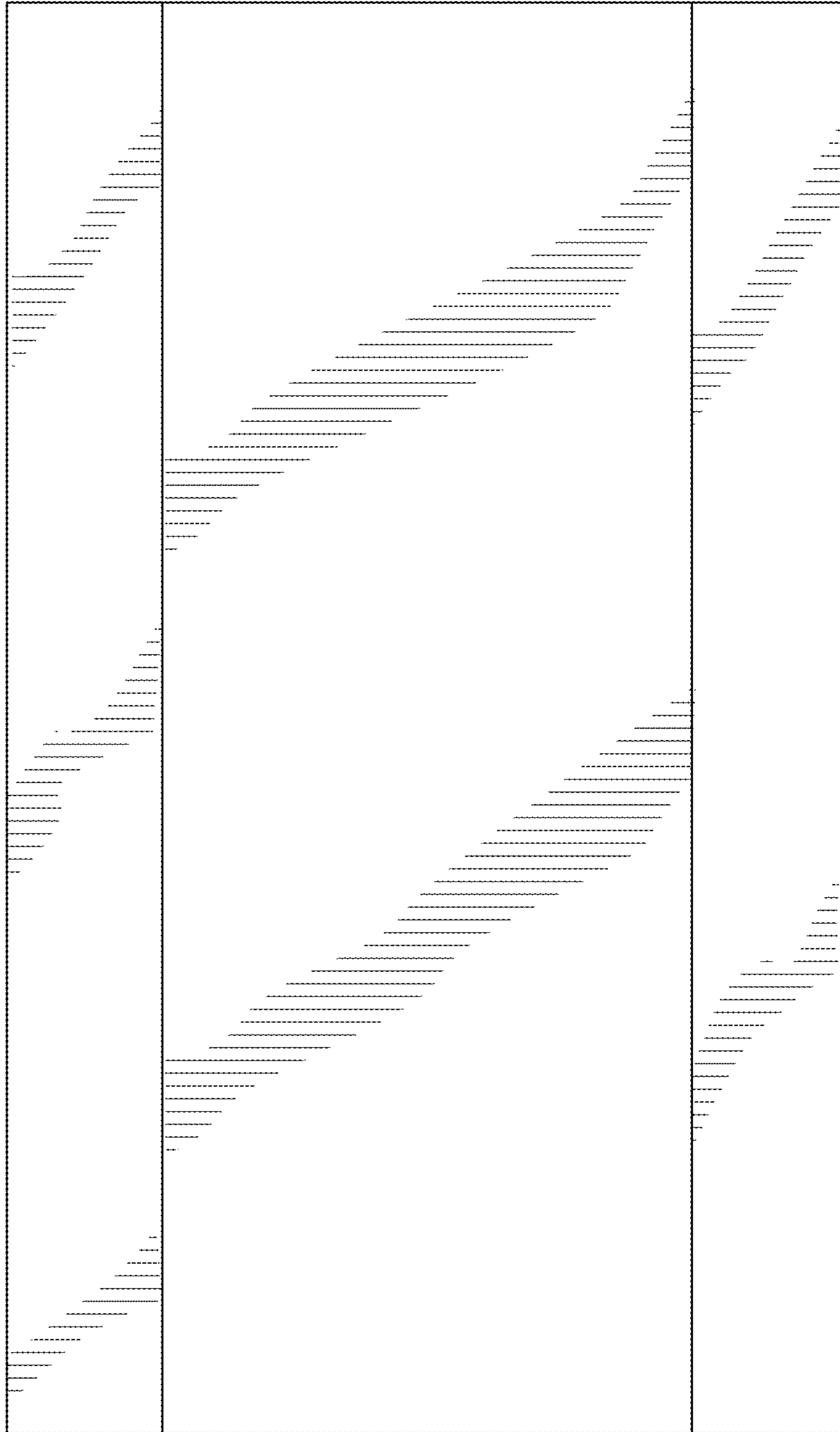
FIG. 8



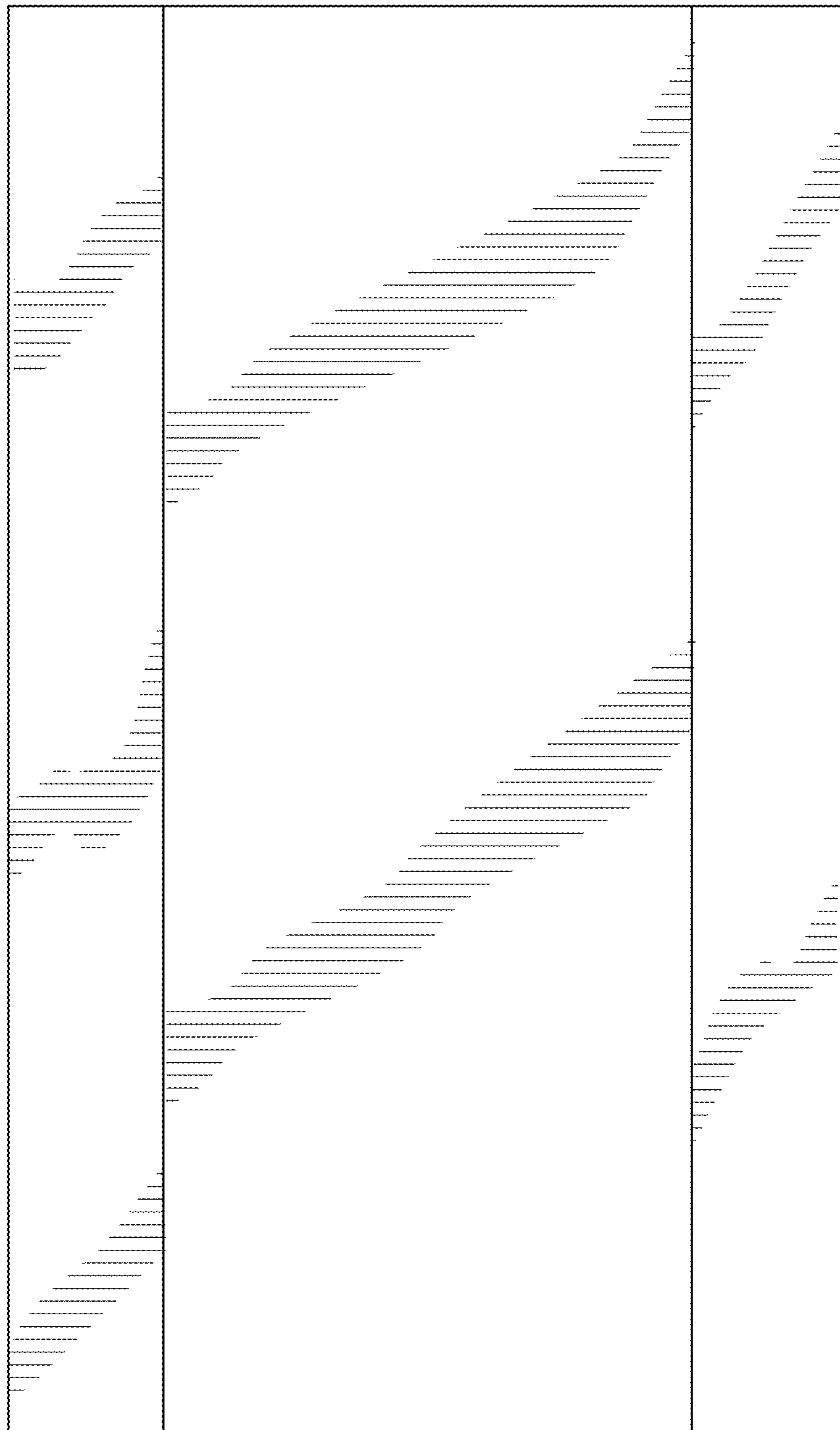
**FIG. 9**



**FIG. 10**



**FIG. 11**



**FIG. 12**

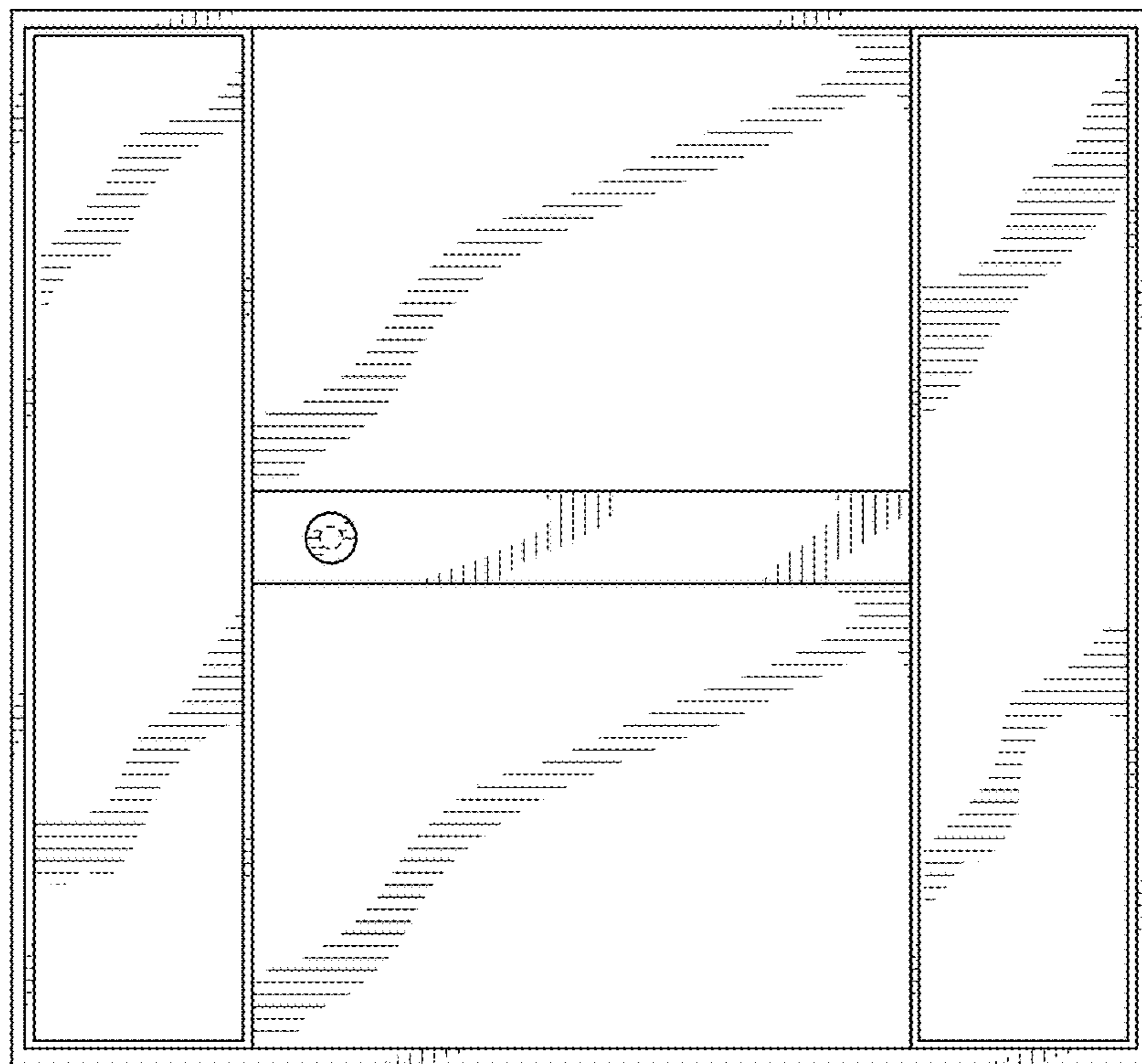


FIG. 13

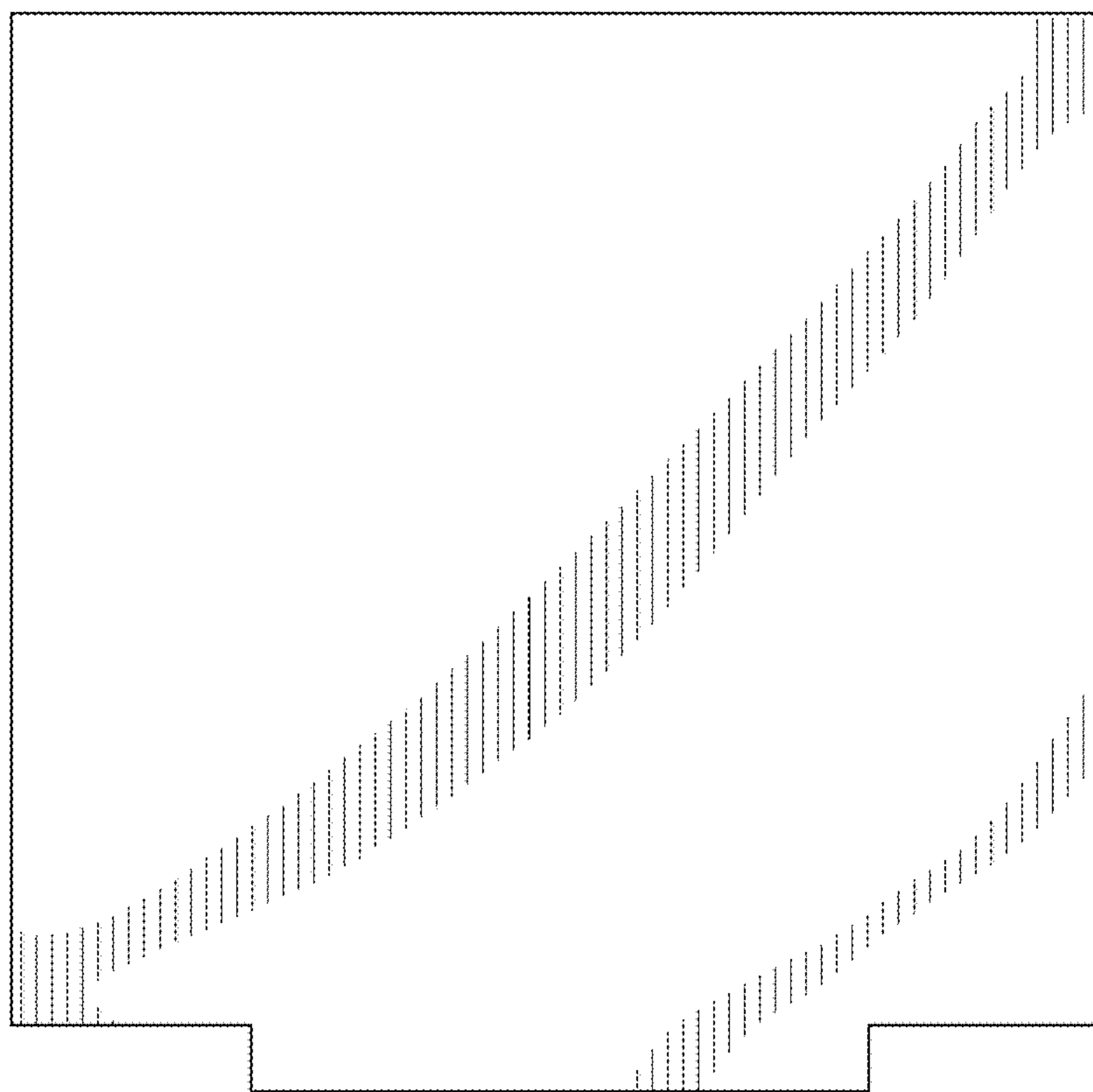


FIG. 14