



US00D924142S

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

(10) **Patent No.:** **US D924,142 S**
(45) **Date of Patent:** **** Jul. 6, 2021**

(54) **CONNECTOR**

(71) Applicant: **Molex, LLC**, Lisle, IL (US)

(72) Inventors: **Harsha Thyagaraj**, Lisle, IL (US);
Pierre Perez, Aurora, IL (US)

(73) Assignee: **Molex, LLC**, Lisle, IL (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/678,989**

(22) Filed: **Jan. 31, 2019**

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

(52) **U.S. Cl.**
USPC **D13/133; D13/147**

(58) **Field of Classification Search**
USPC D13/133, 146, 147, 153, 154, 155, 160
(Continued)

(56) **References Cited**

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Primary Examiner — Brandon M Rosati

(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

(57) **CLAIM**

The ornamental design for a connector, as shown and described.

DESCRIPTION

FIG. 1 is a front right perspective view of a connector showing our new design;

FIG. 2 is a front left perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a left side view thereof;
FIG. 7 is a top view thereof;
FIG. 8 is a bottom view thereof;
FIG. 9 is a front right perspective view of an alternate embodiment of the connector showing our new design;
FIG. 10 is a front left perspective view thereof;
FIG. 11 is a front view thereof;
FIG. 12 is a rear view thereof;
FIG. 13 is a right side view thereof;
FIG. 14 is a left side view thereof;
FIG. 15 is a top view thereof;
FIG. 16 is a bottom view thereof;
FIG. 17 is a front right perspective view of an alternate embodiment of the connector showing our new design;
FIG. 18 is a front left perspective view thereof;
FIG. 19 is a front view thereof;
FIG. 20 is a rear view thereof;
FIG. 21 is a right side view thereof;
FIG. 22 is a left side view thereof;
FIG. 23 is a top view thereof;
FIG. 24 is a bottom view thereof;
FIG. 25 is a front right perspective view of an alternate embodiment of the connector showing our new design;
FIG. 26 is a front left perspective view thereof;
FIG. 27 is a front view thereof;
FIG. 28 is a rear view thereof;
FIG. 29 is a right side view thereof;
FIG. 30 is a left side view thereof;
FIG. 31 is a top view thereof;
FIG. 32 is a bottom view thereof;
FIG. 33 is a front right perspective view of an alternate embodiment of the connector showing our new design;
FIG. 34 is a front left perspective view thereof;
FIG. 35 is a front view thereof;
FIG. 36 is a rear view thereof;
FIG. 37 is a right side view thereof;
FIG. 38 is a left side view thereof;
FIG. 39 is a top view thereof;
FIG. 40 is a bottom view thereof;

(Continued)

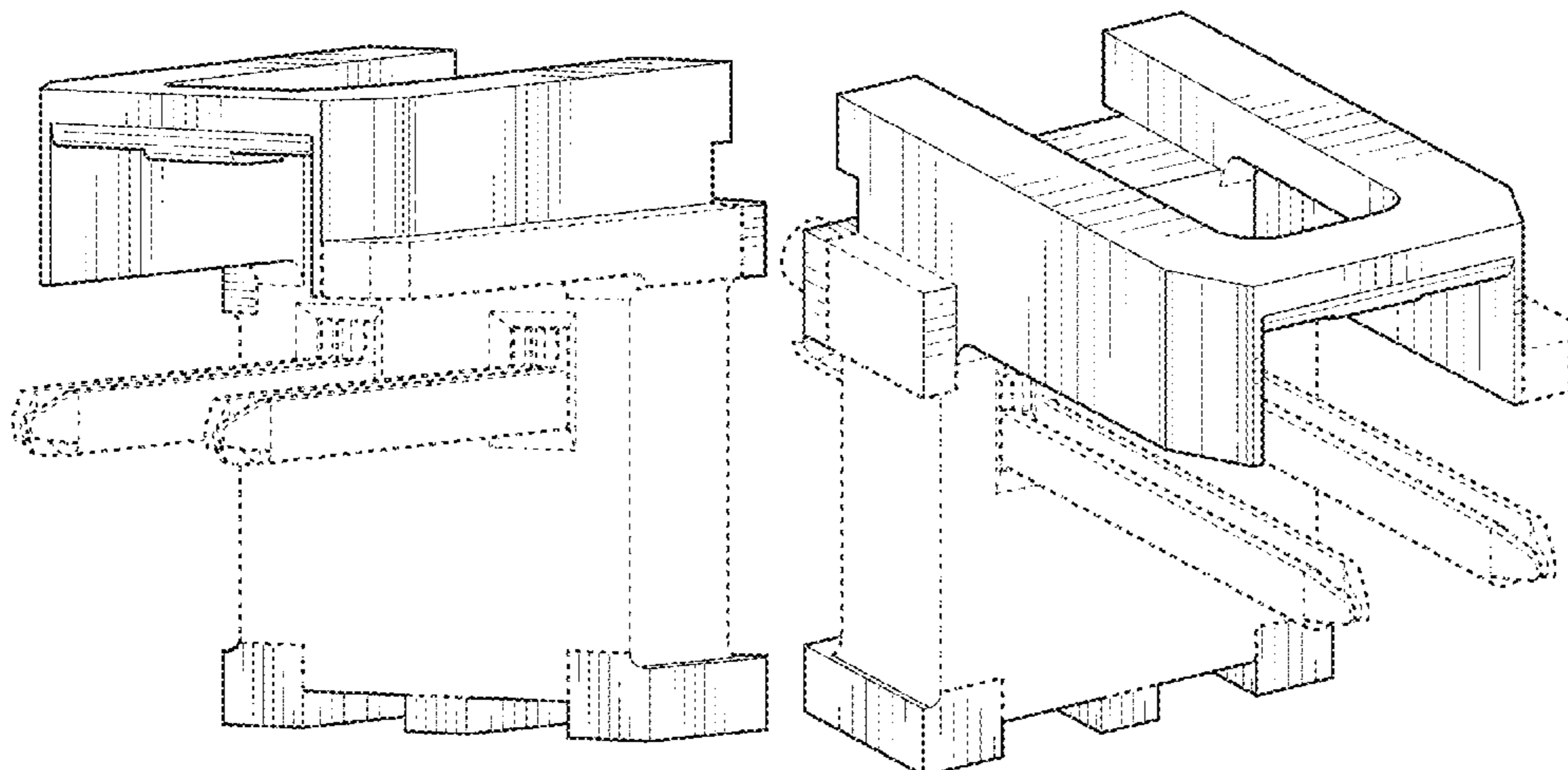


FIG. 41 is a front right perspective view of an alternate embodiment of the connector which is a mirror image of the connector of FIGS. 1-8;
 FIG. 42 is a front left perspective view thereof;
 FIG. 43 is a front view thereof;
 FIG. 44 is a rear view thereof;
 FIG. 45 is a right side view thereof;
 FIG. 46 is a left side view thereof;
 FIG. 47 is a top view thereof;
 FIG. 48 is a bottom view thereof;
 FIG. 49 is a front right perspective view of an alternate embodiment of the connector which is a mirror image of the connector of FIGS. 9-16;
 FIG. 50 is a front left perspective view thereof;
 FIG. 51 is a front view thereof;
 FIG. 52 is a rear view thereof;
 FIG. 53 is a right side view thereof;
 FIG. 54 is a left side view thereof;
 FIG. 55 is a top view thereof;
 FIG. 56 is a bottom view thereof;
 FIG. 57 is a front right perspective view of an alternate embodiment of the connector which is a mirror image of the connector of FIGS. 17-24;
 FIG. 58 is a front left perspective view thereof;
 FIG. 59 is a front view thereof;
 FIG. 60 is a rear view thereof;
 FIG. 61 is a right side view thereof;
 FIG. 62 is a left side view thereof;
 FIG. 63 is a top view thereof;
 FIG. 64 is a bottom view thereof;
 FIG. 65 is a front right perspective view of an alternate embodiment of the connector which is a mirror image of the connector of FIGS. 25-32;
 FIG. 66 is a front left perspective view thereof;
 FIG. 67 is a front view thereof;
 FIG. 68 is a rear view thereof;
 FIG. 69 is a right side view thereof;
 FIG. 70 is a left side view thereof;
 FIG. 71 is a top view thereof;
 FIG. 72 is a bottom view thereof;
 FIG. 73 is a front right perspective view of an alternate embodiment of the connector which is a mirror image of the connector of FIGS. 25-32;
 FIG. 74 is a front left perspective view thereof;
 FIG. 75 is a front view thereof;
 FIG. 76 is a rear view thereof;

FIG. 77 is a right side view thereof;
 FIG. 78 is a left side view thereof;
 FIG. 79 is a top view thereof; and,
 FIG. 80 is a bottom view thereof.
 The broken lines immediately adjacent to the shaded areas represent the bounds of the claimed design and form no part thereof. The broken lines depicting the remainder of the connector show features that form no part of the claimed design.

1 Claim, 48 Drawing Sheets

(58) **Field of Classification Search**
 CPC H01R 13/02; H01R 13/436; H01R 13/502;
 H01R 13/504; H01R 13/506; H01R
 13/58; H01R 13/627; H01R 13/6315;
 H01R 13/6586; H01R 13/62; H01R
 13/64; H01R 13/641
 See application file for complete search history.

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D791,707	S *	7/2017	Li	D13/147
D792,851	S *	7/2017	Li	D13/147
D792,852	S *	7/2017	Li	D13/147
D792,853	S *	7/2017	Li	D13/147
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WO	D205298-018	* 3/2020

* cited by examiner

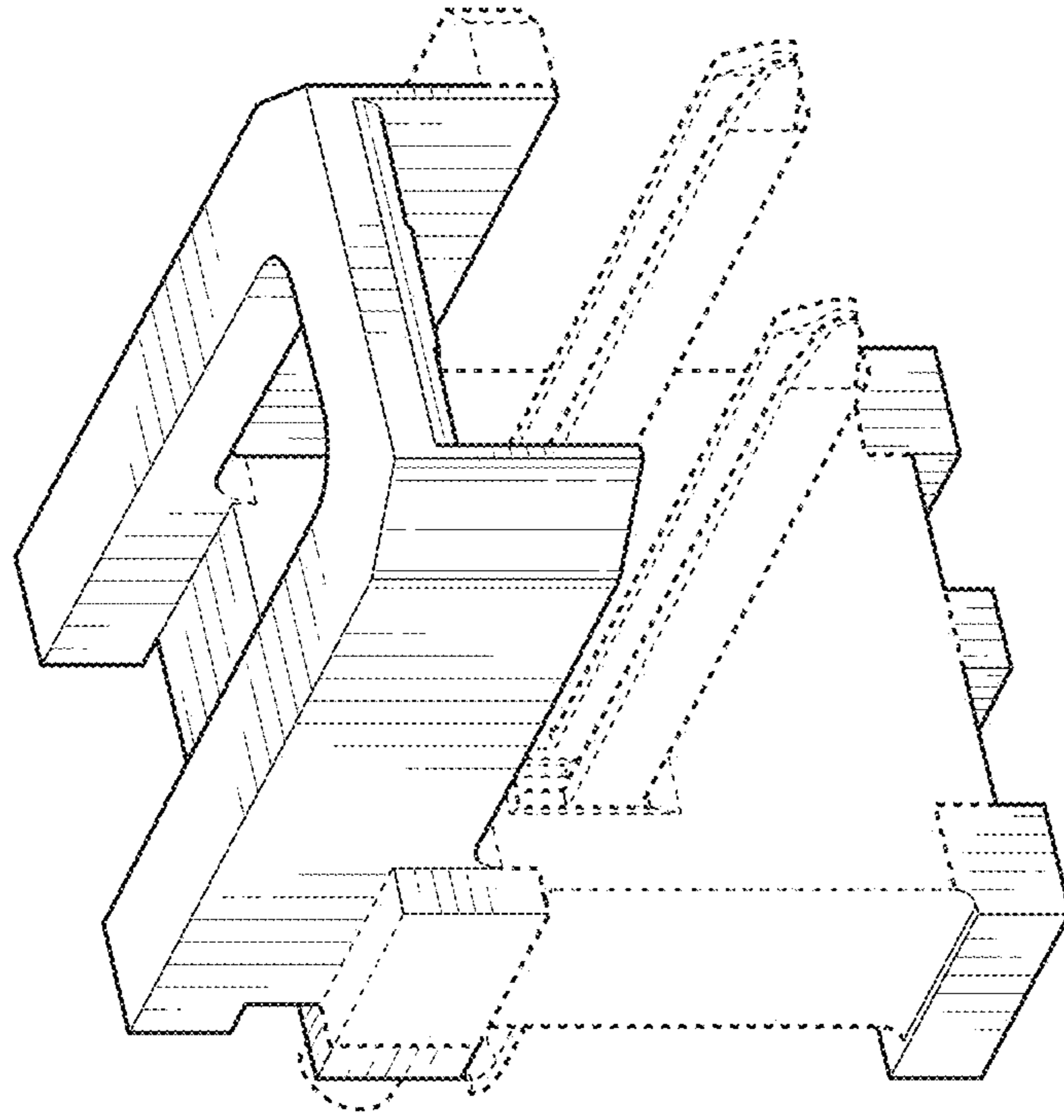


FIG. 2

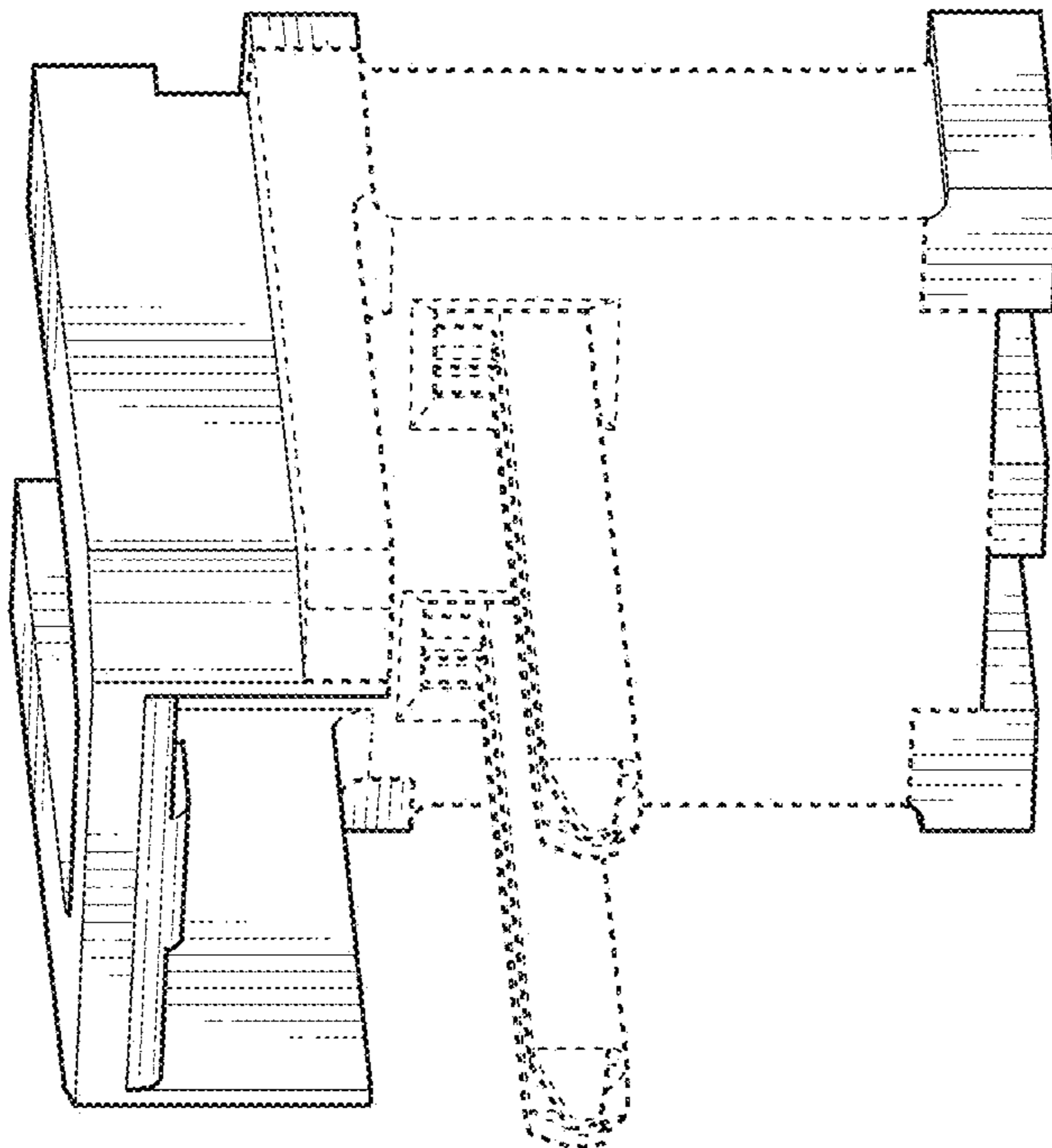


FIG. 1

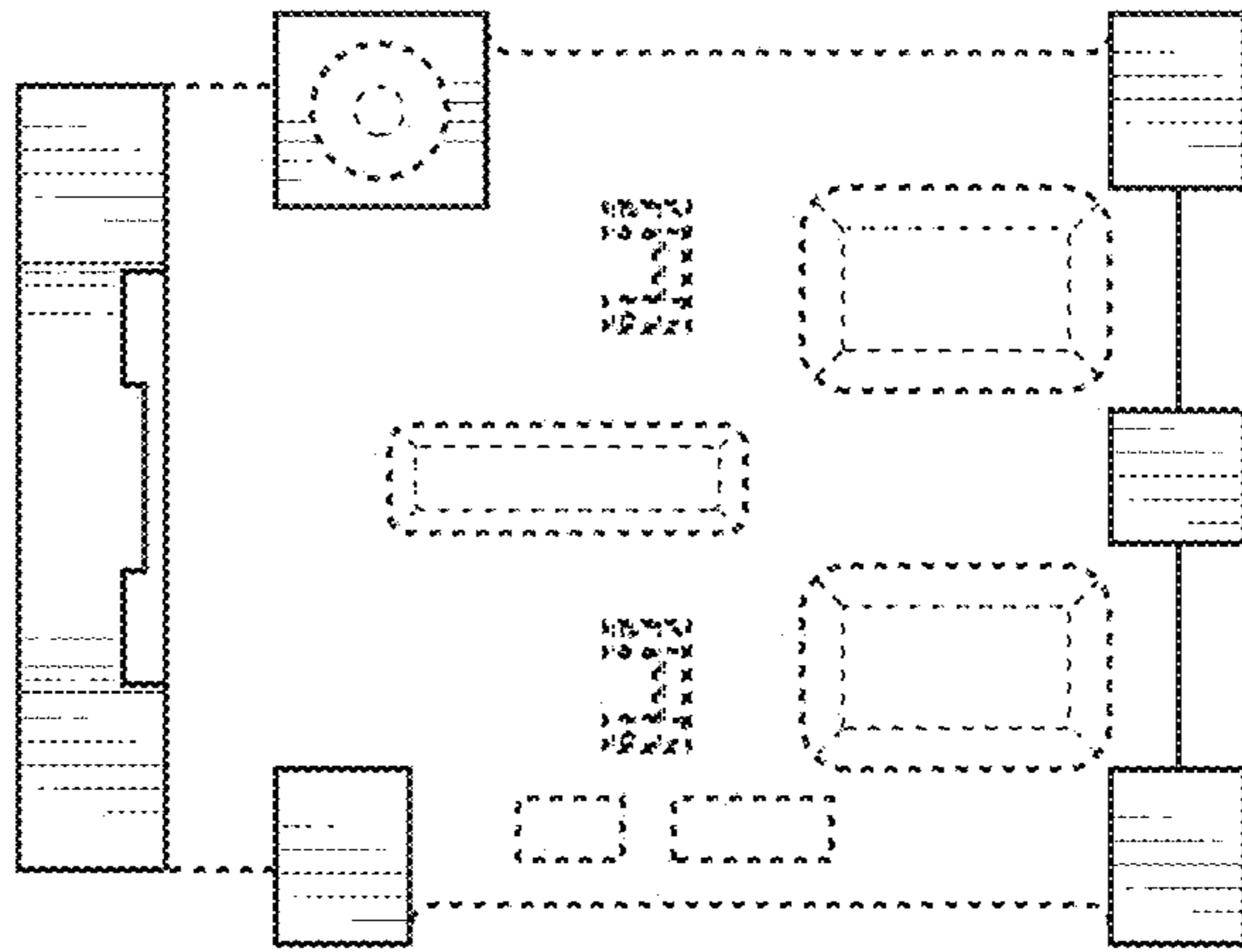


FIG. 3

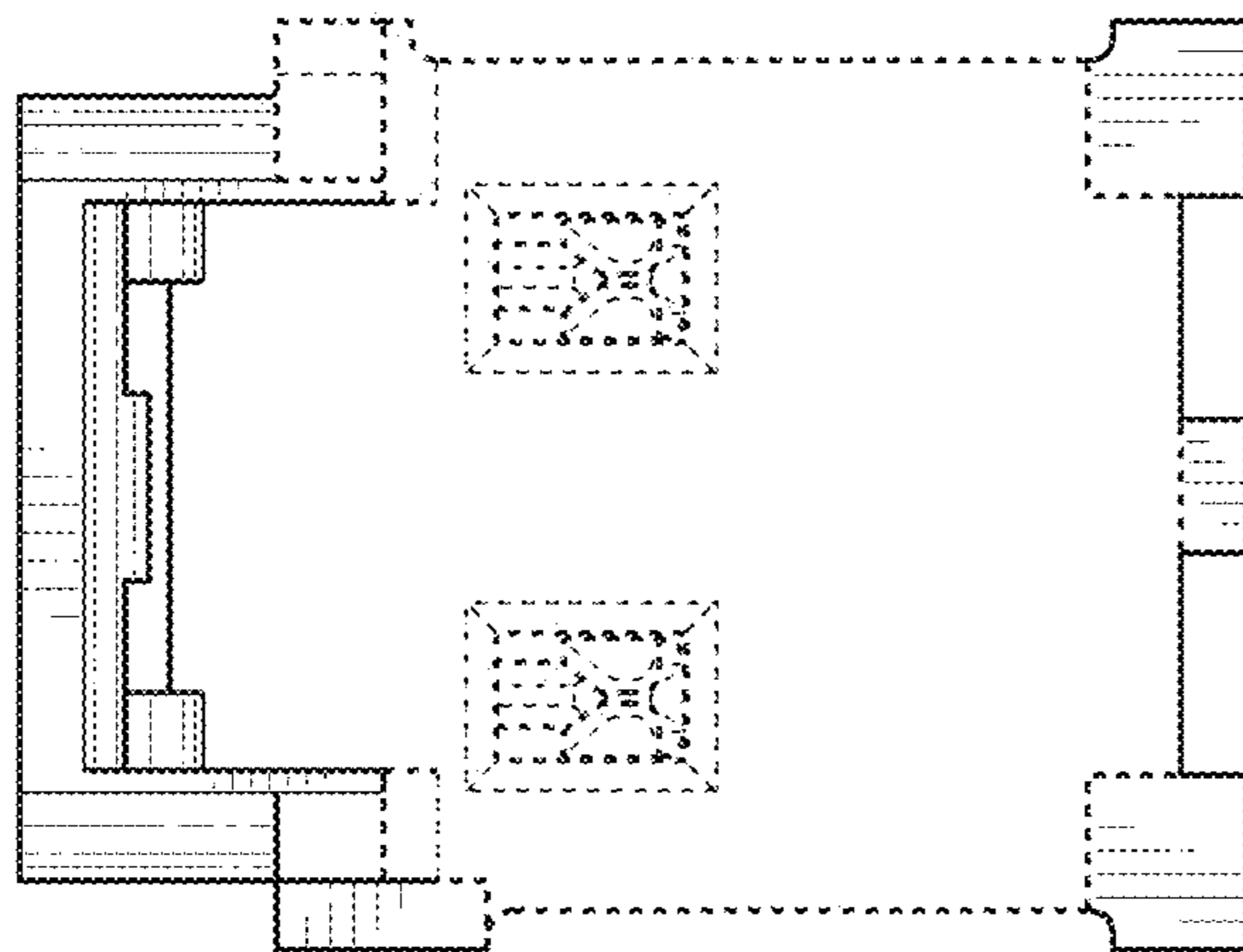


FIG. 4

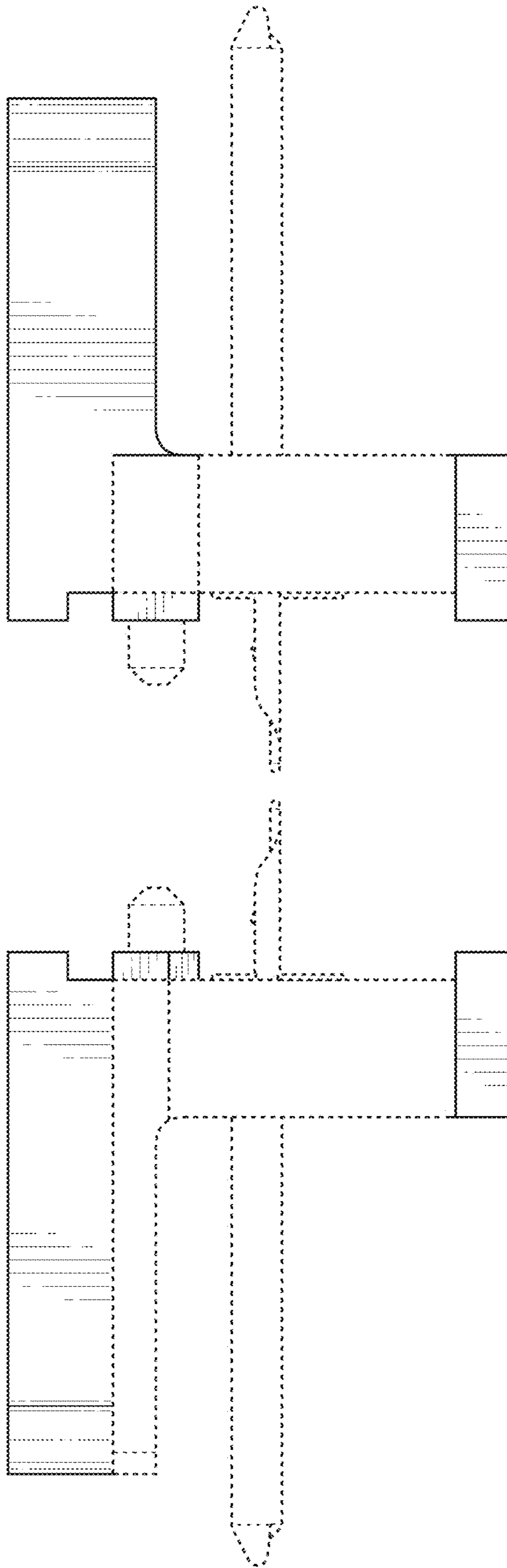


FIG. 6

FIG. 5

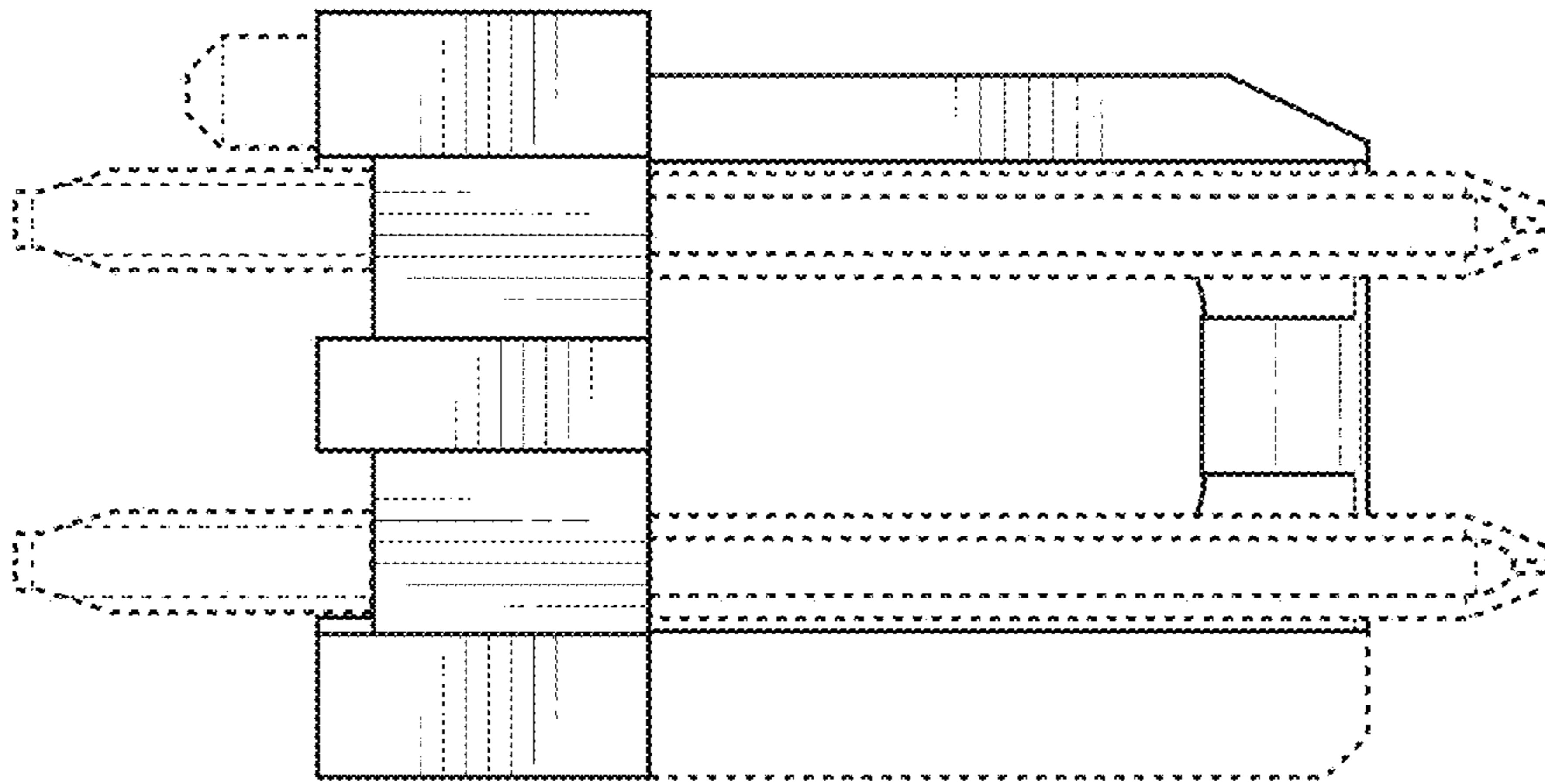


FIG. 8

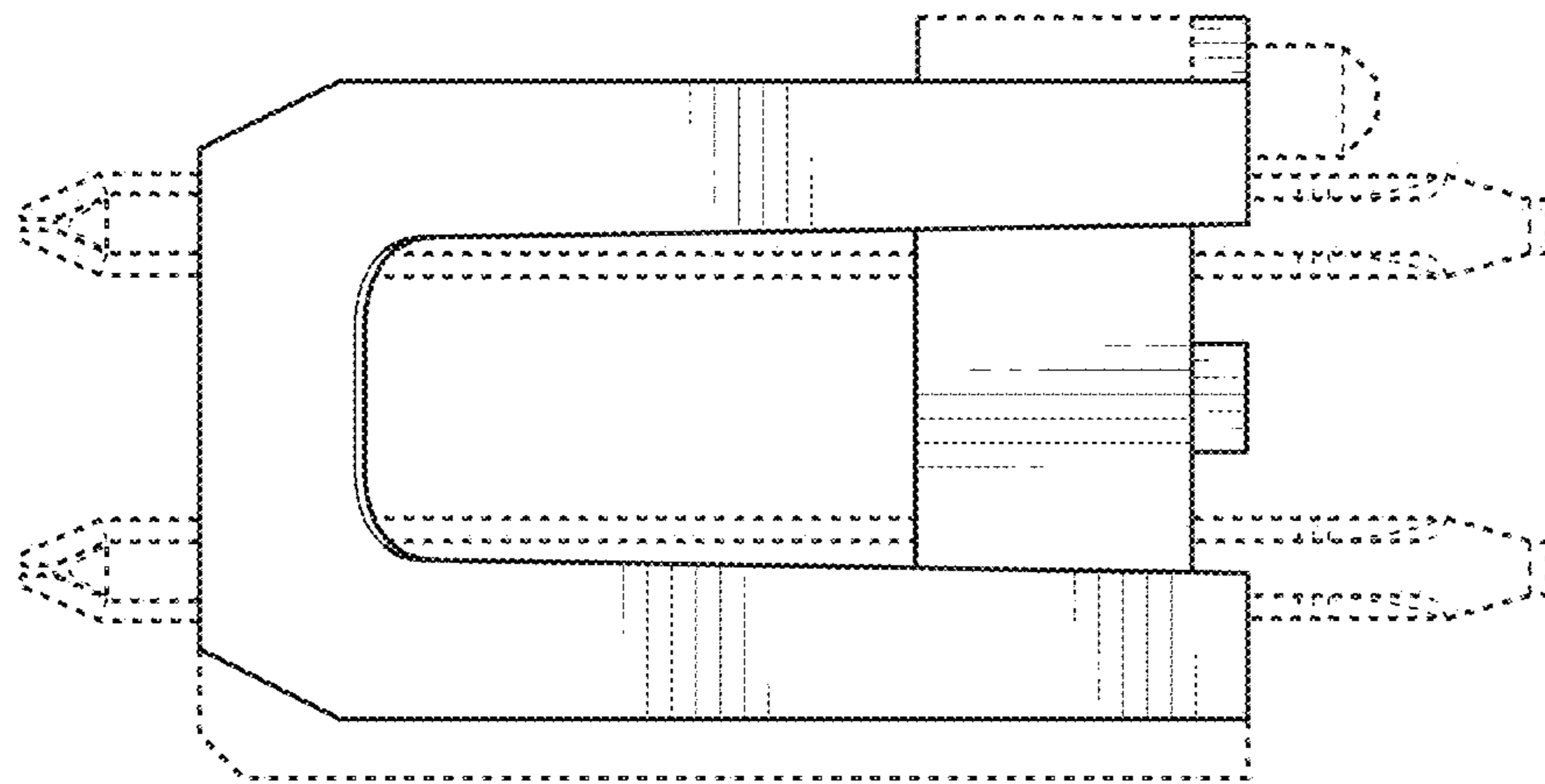


FIG. 7

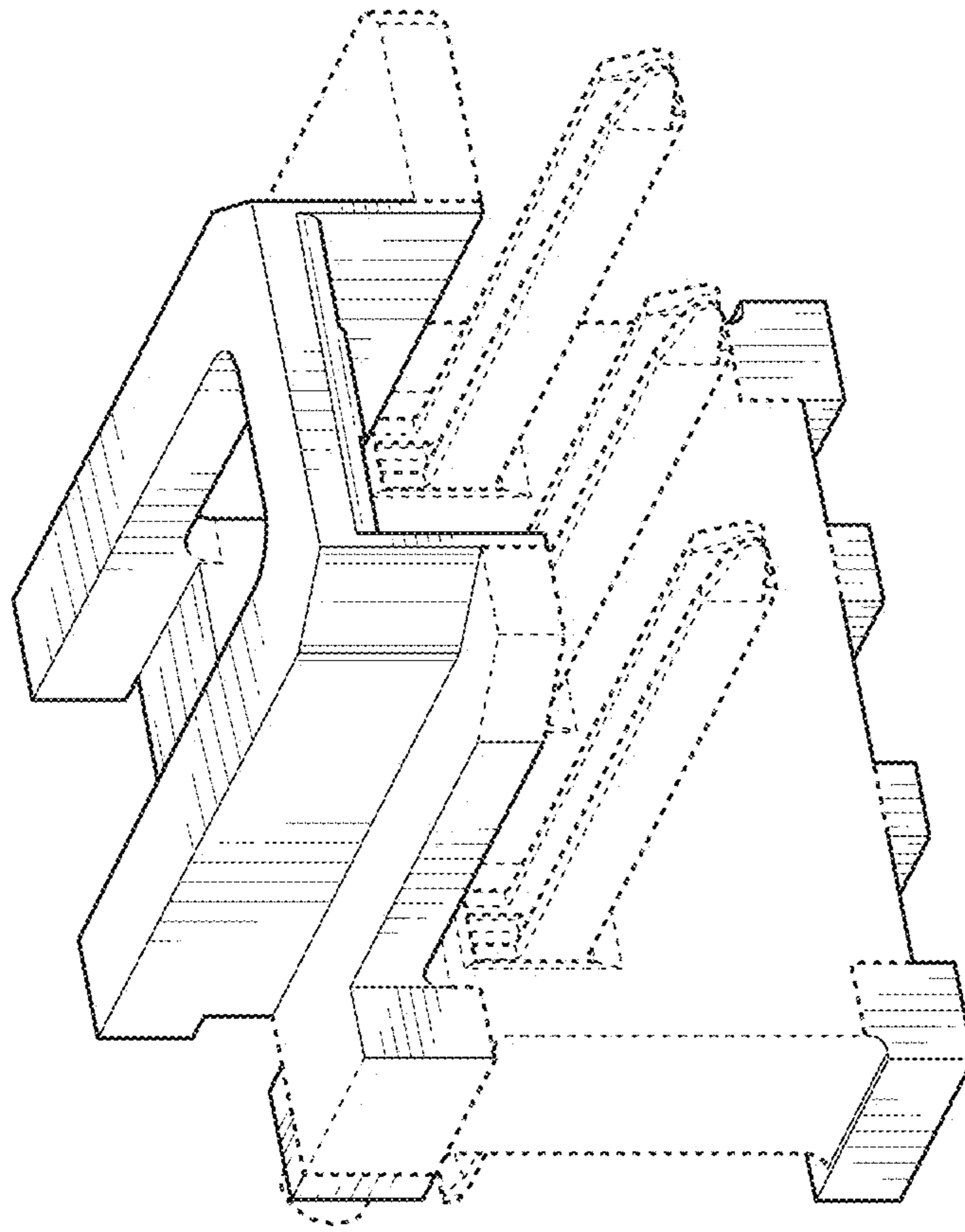


FIG. 10

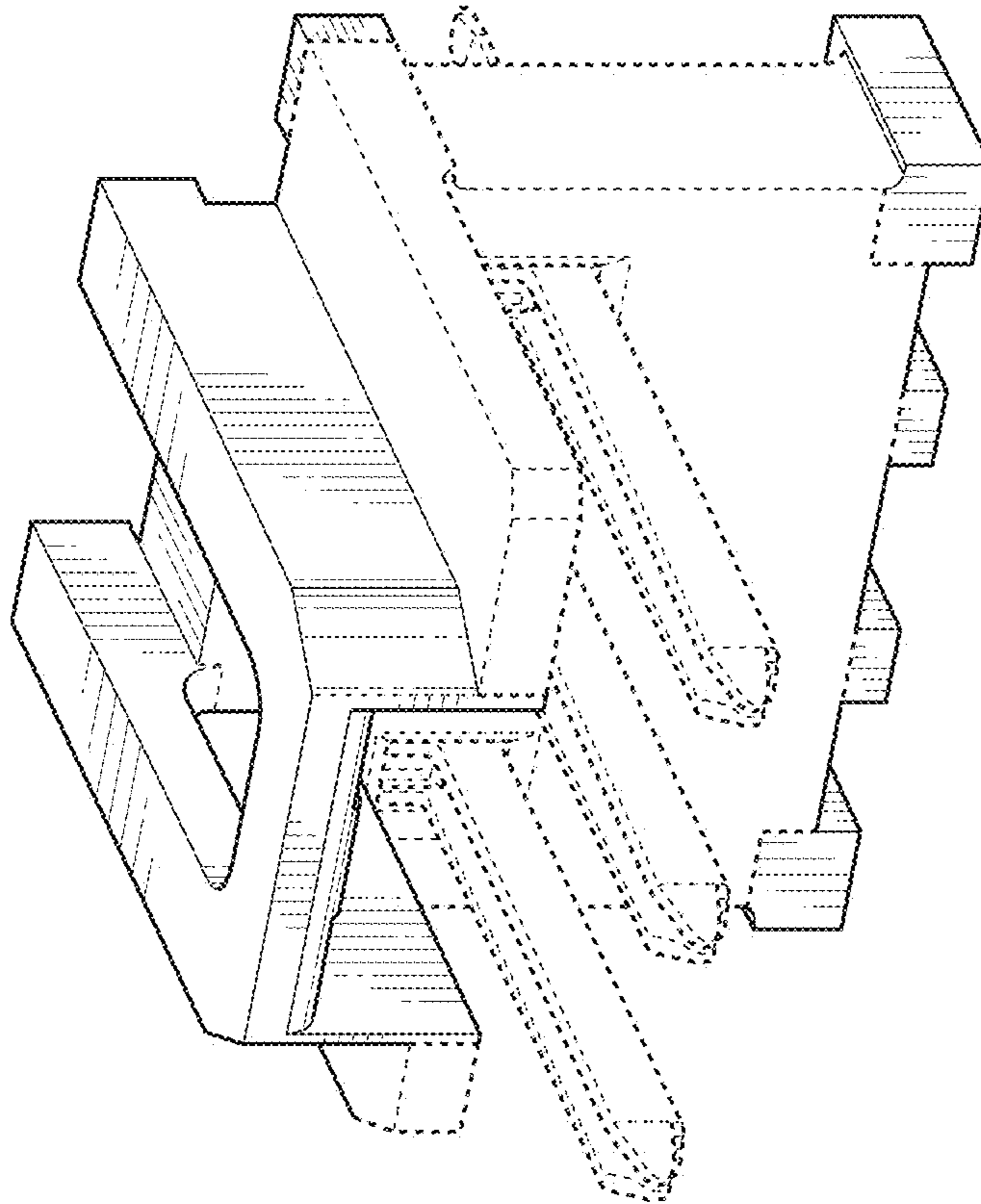


FIG. 9

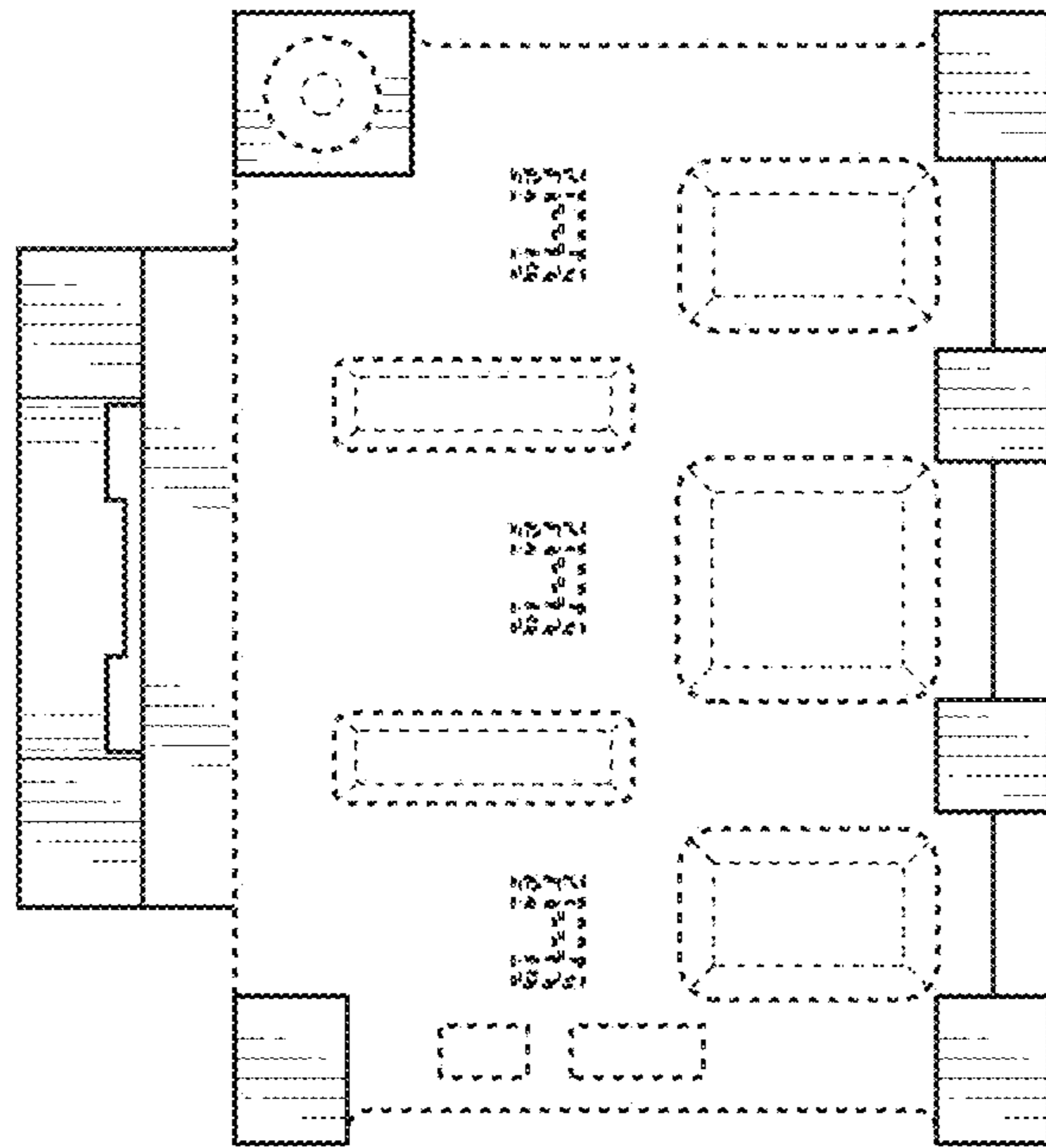


FIG. 12

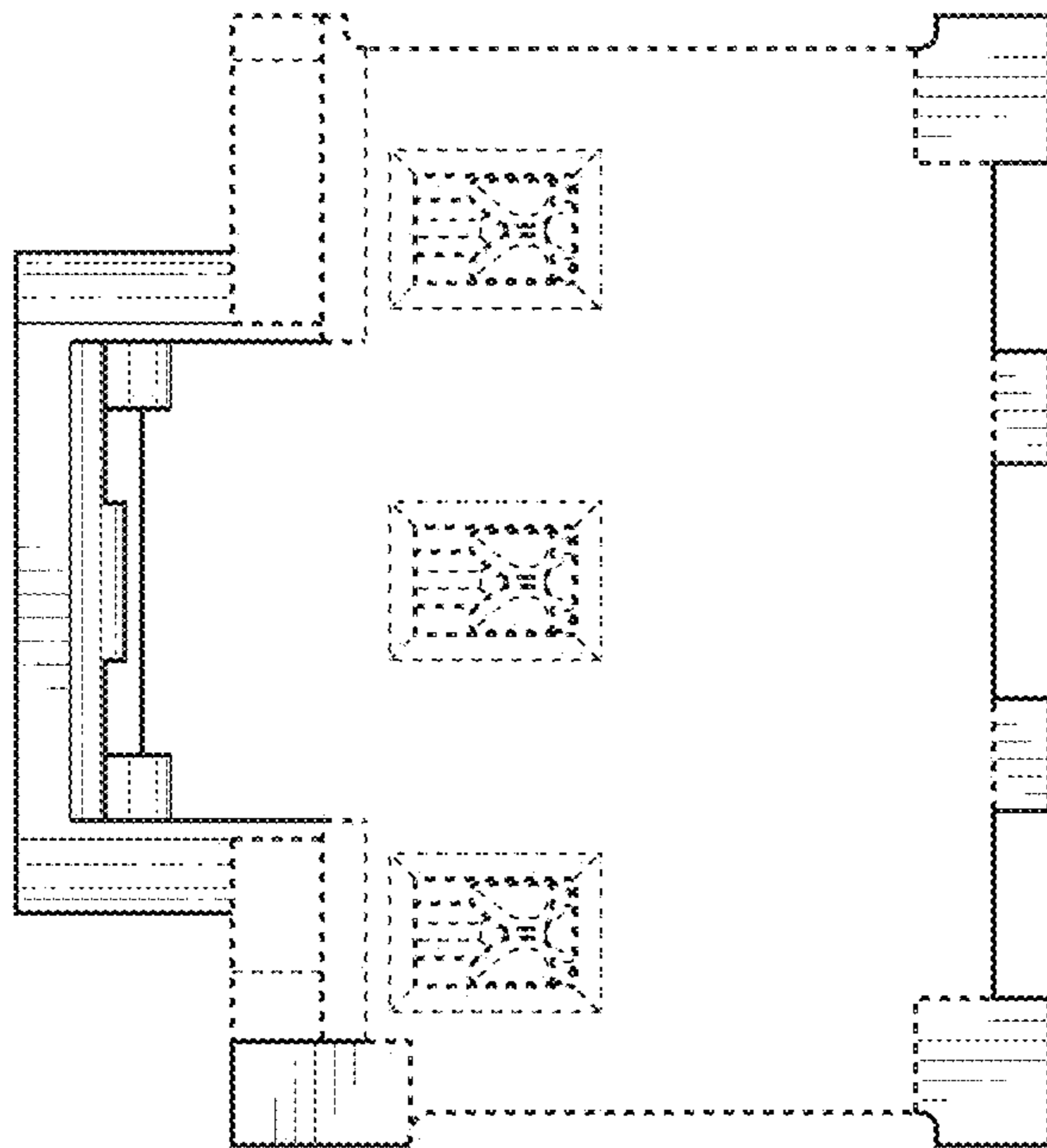


FIG. 11

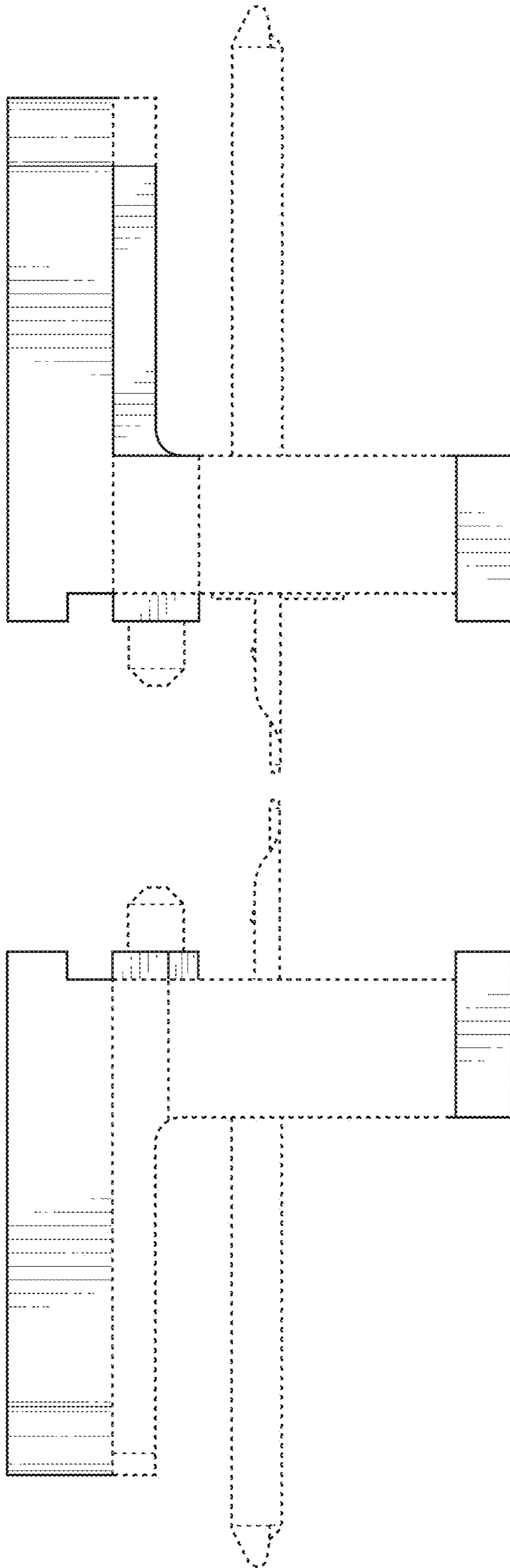


FIG. 14

FIG. 13

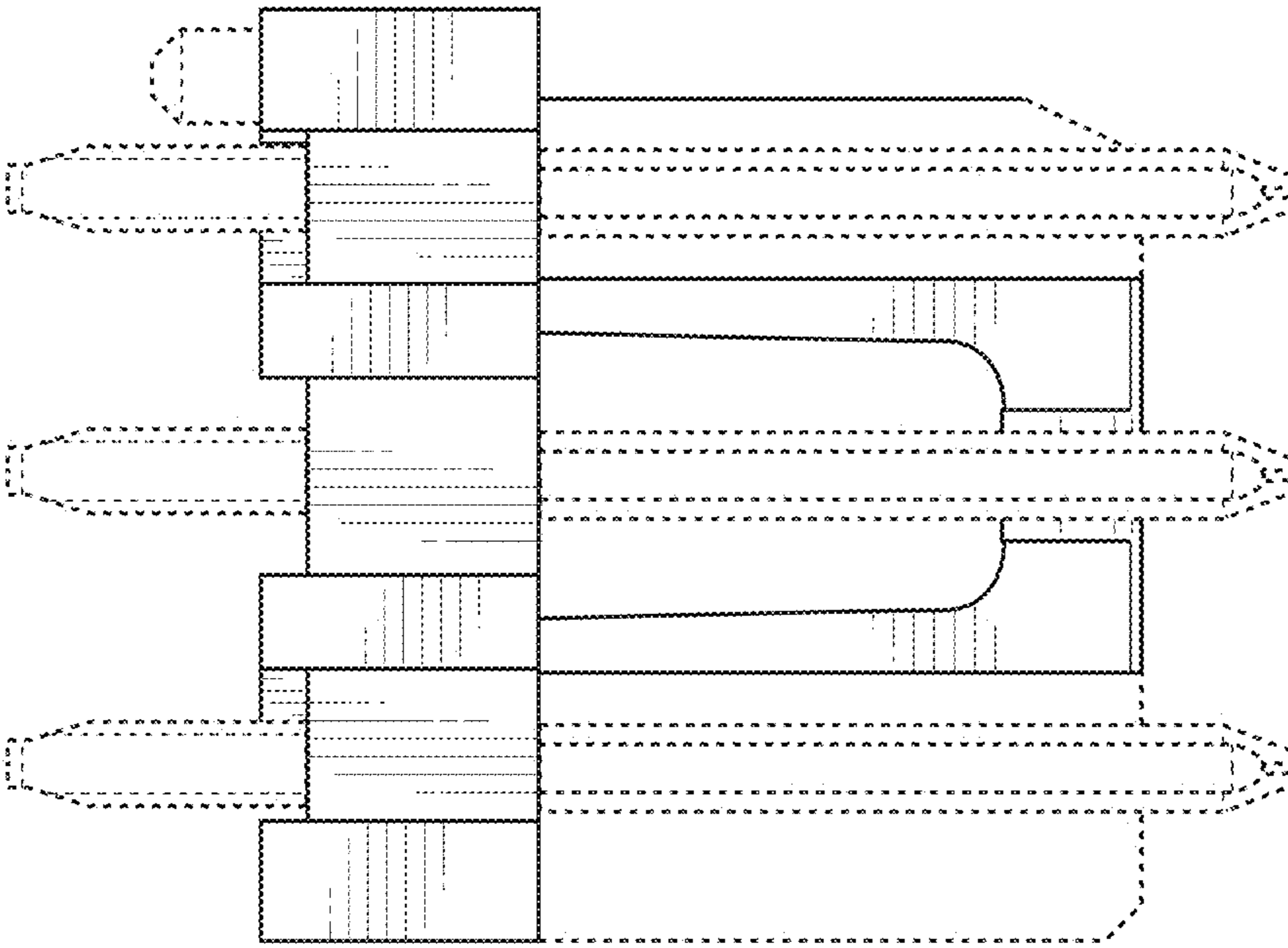


FIG. 16

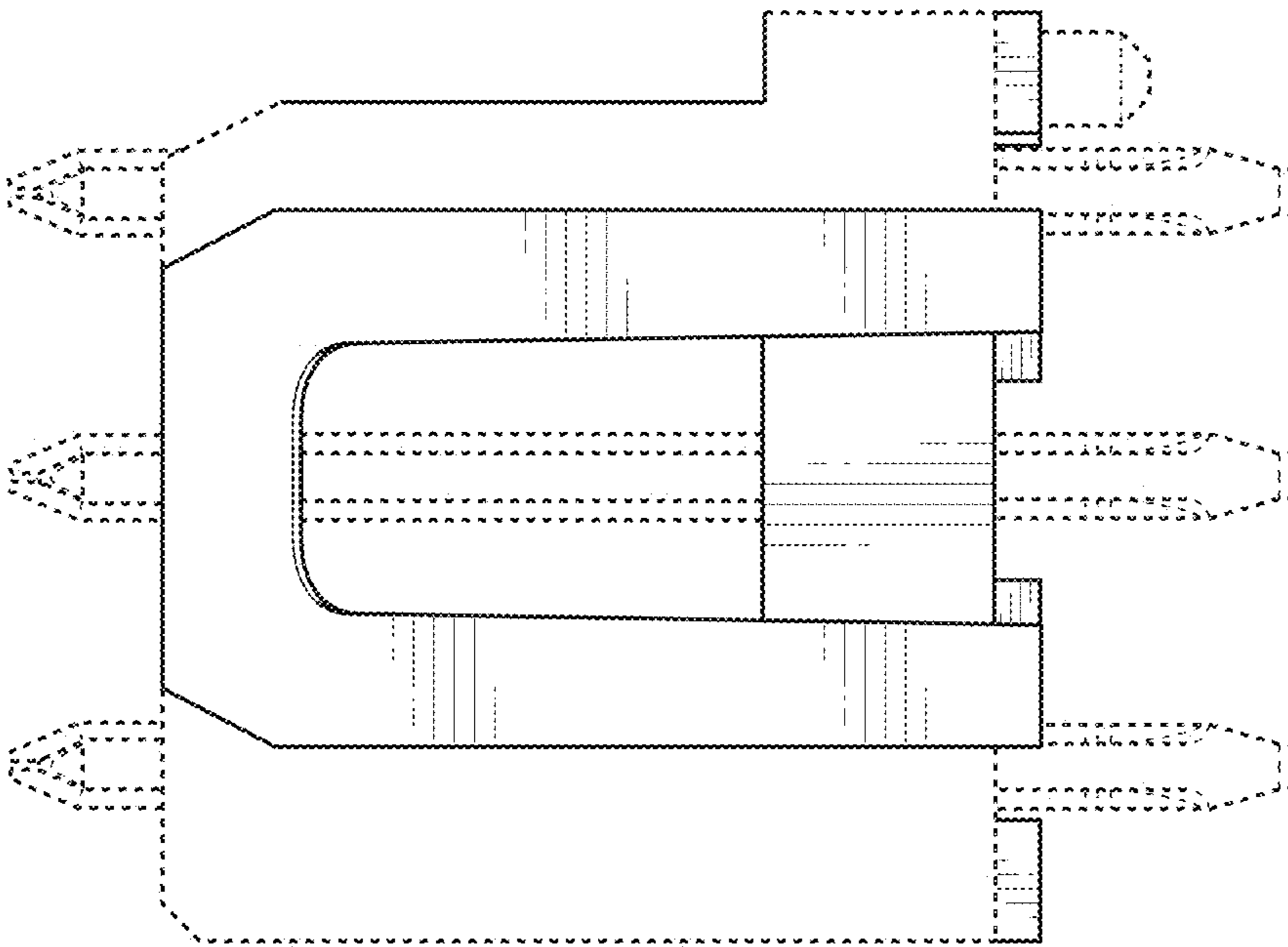


FIG. 15

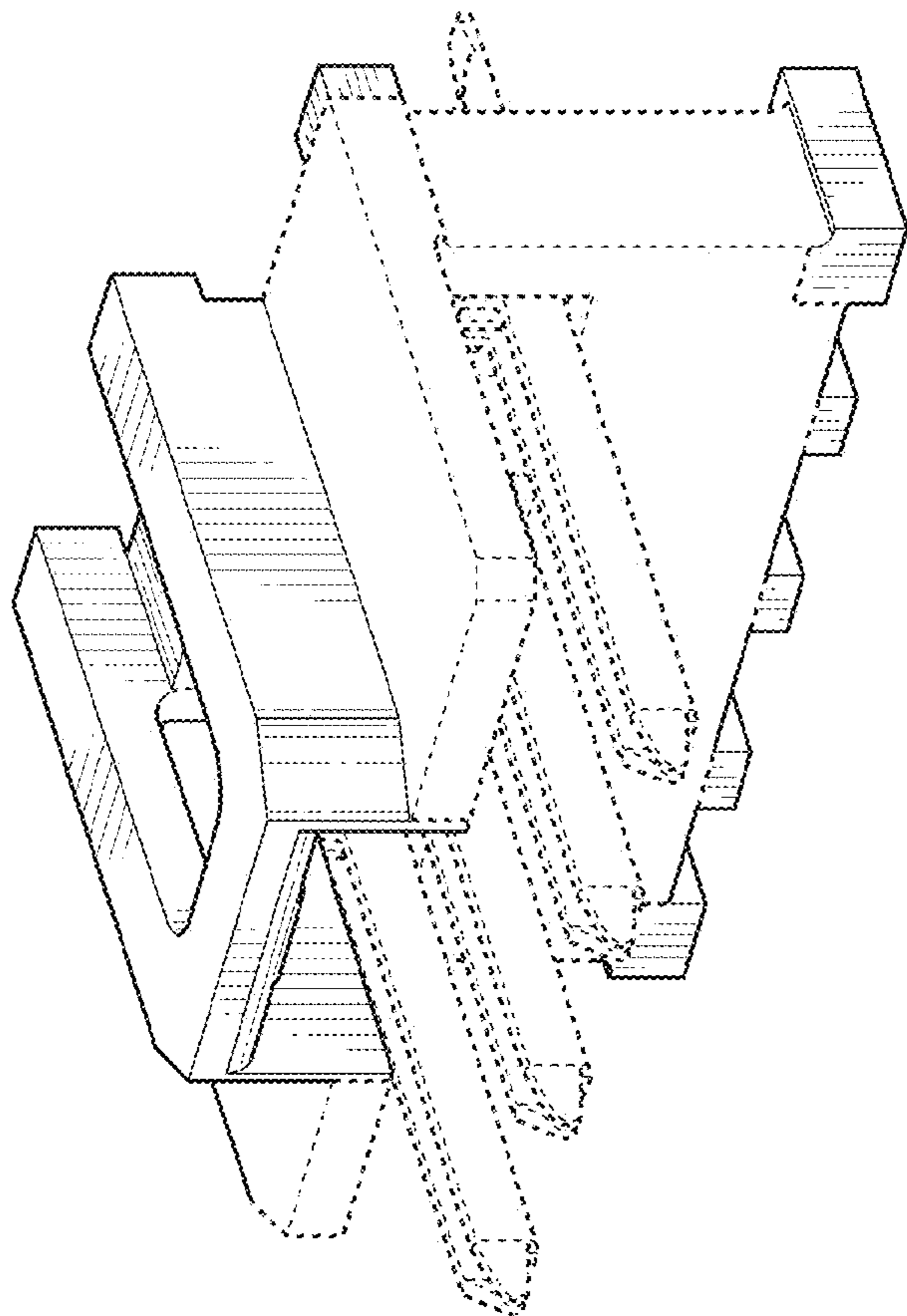


FIG. 17

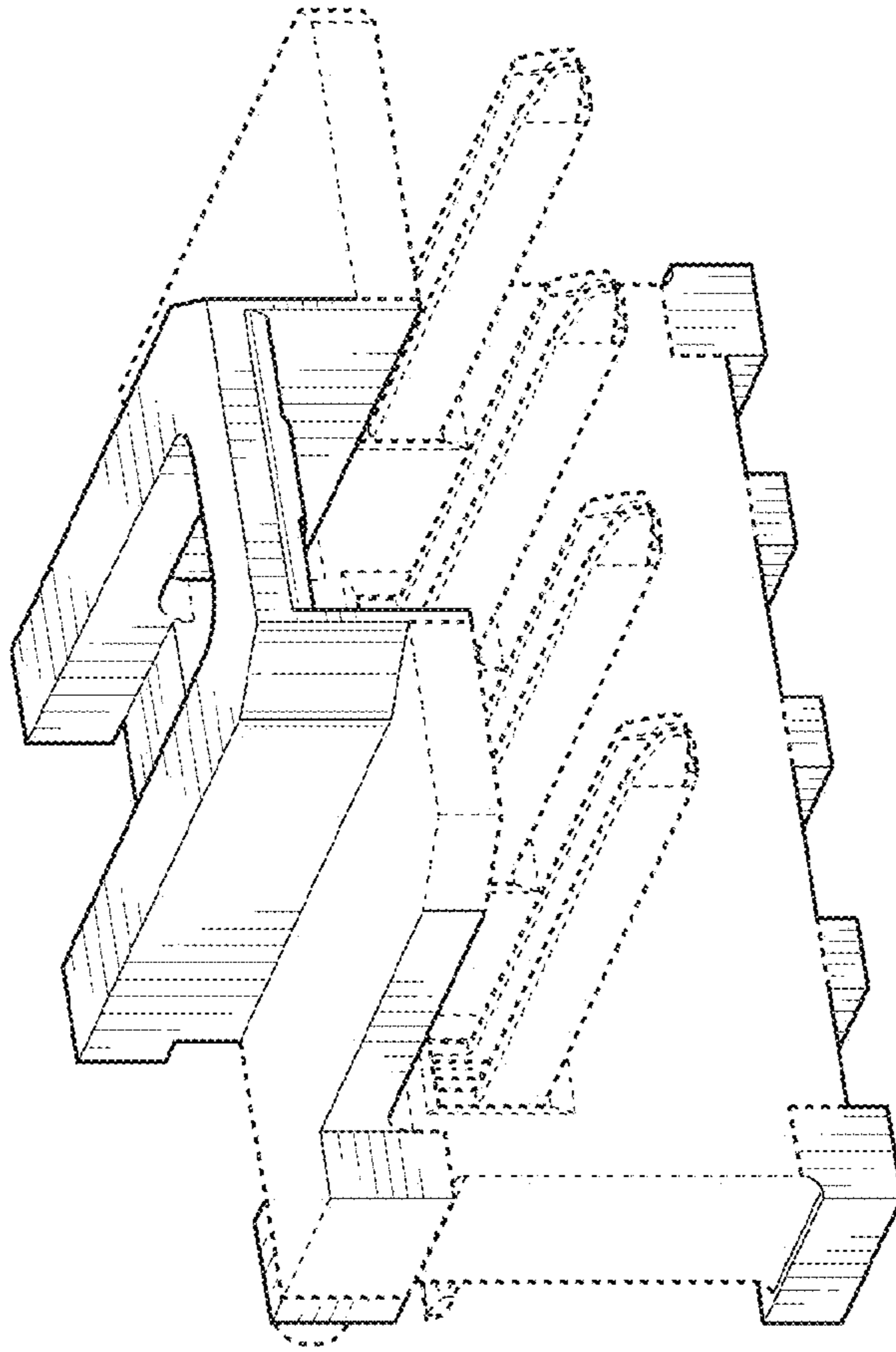


FIG. 18

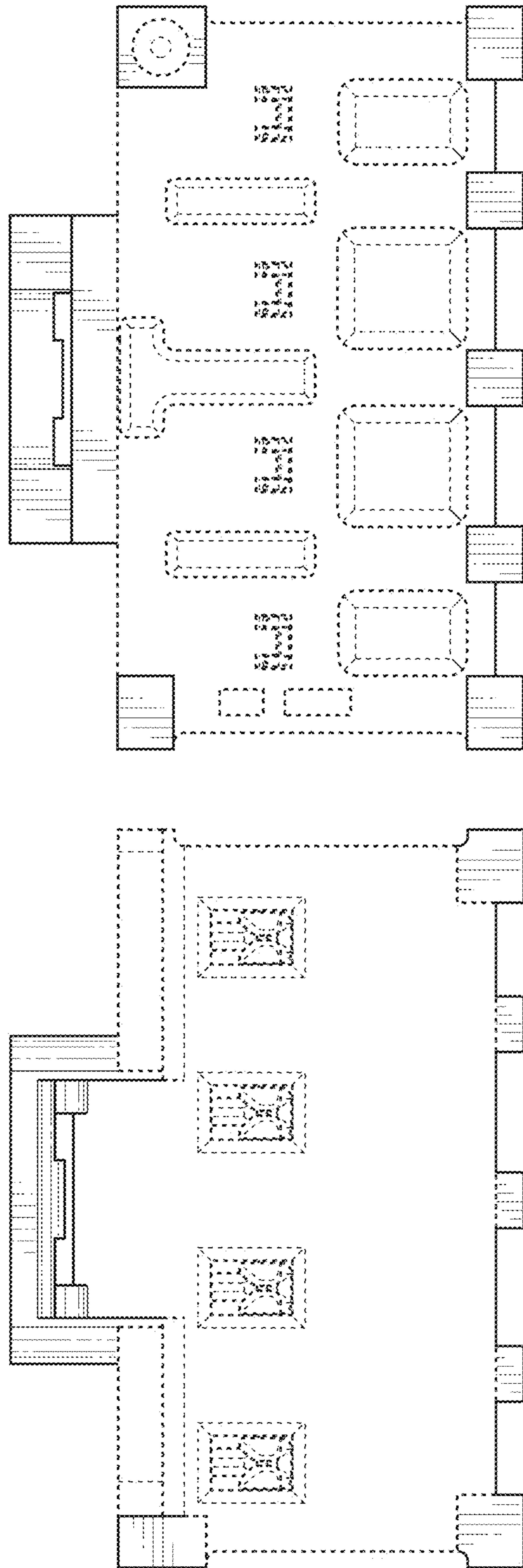


FIG. 20

FIG. 19

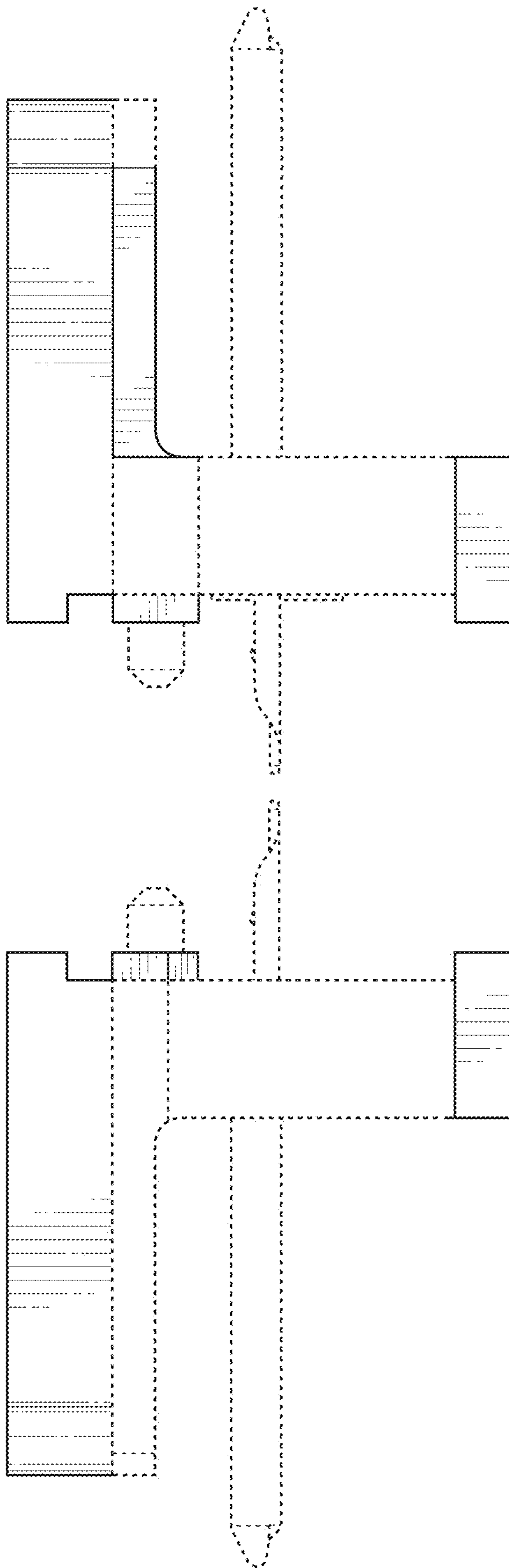


FIG. 22

FIG. 21

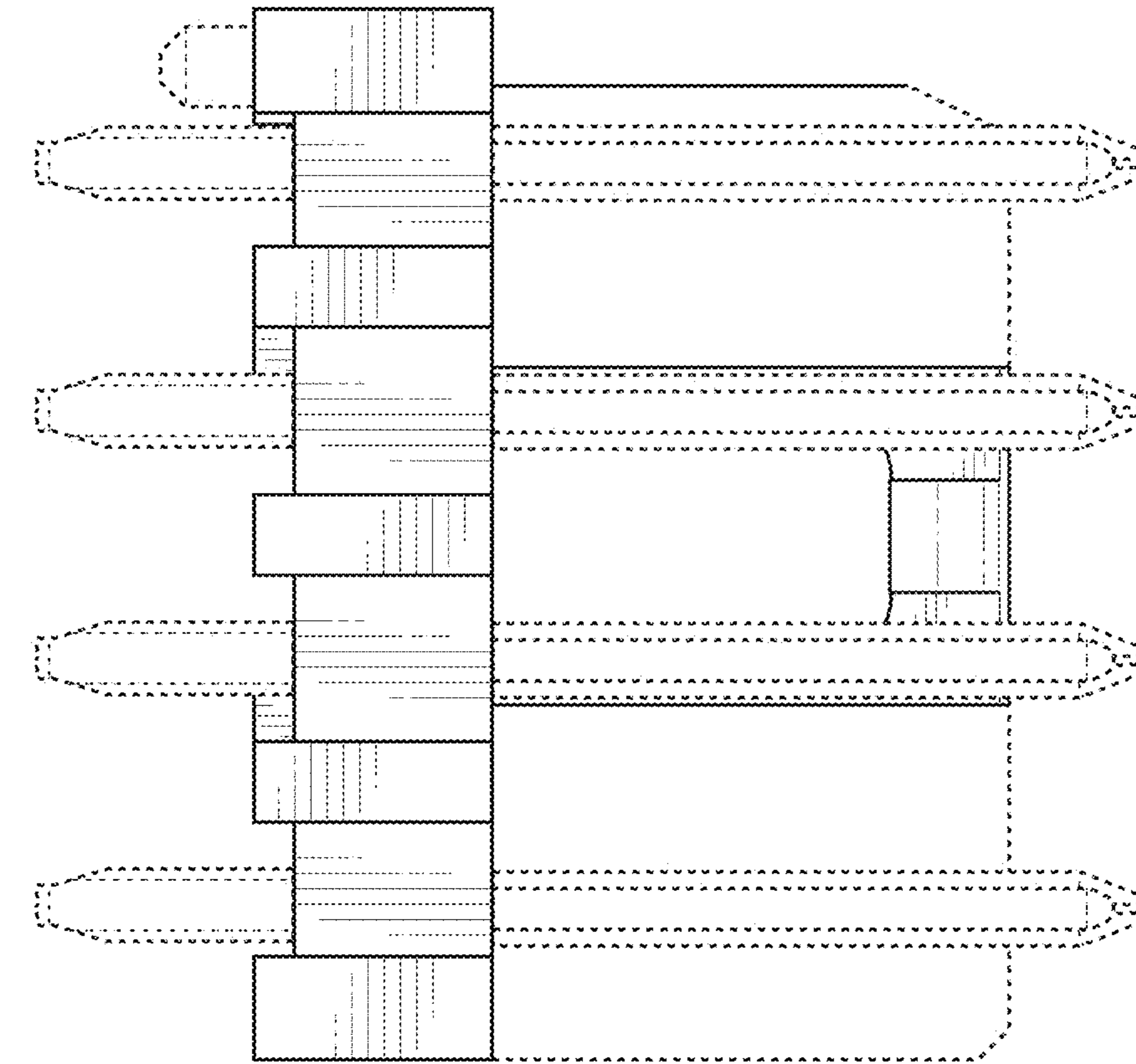


FIG. 23

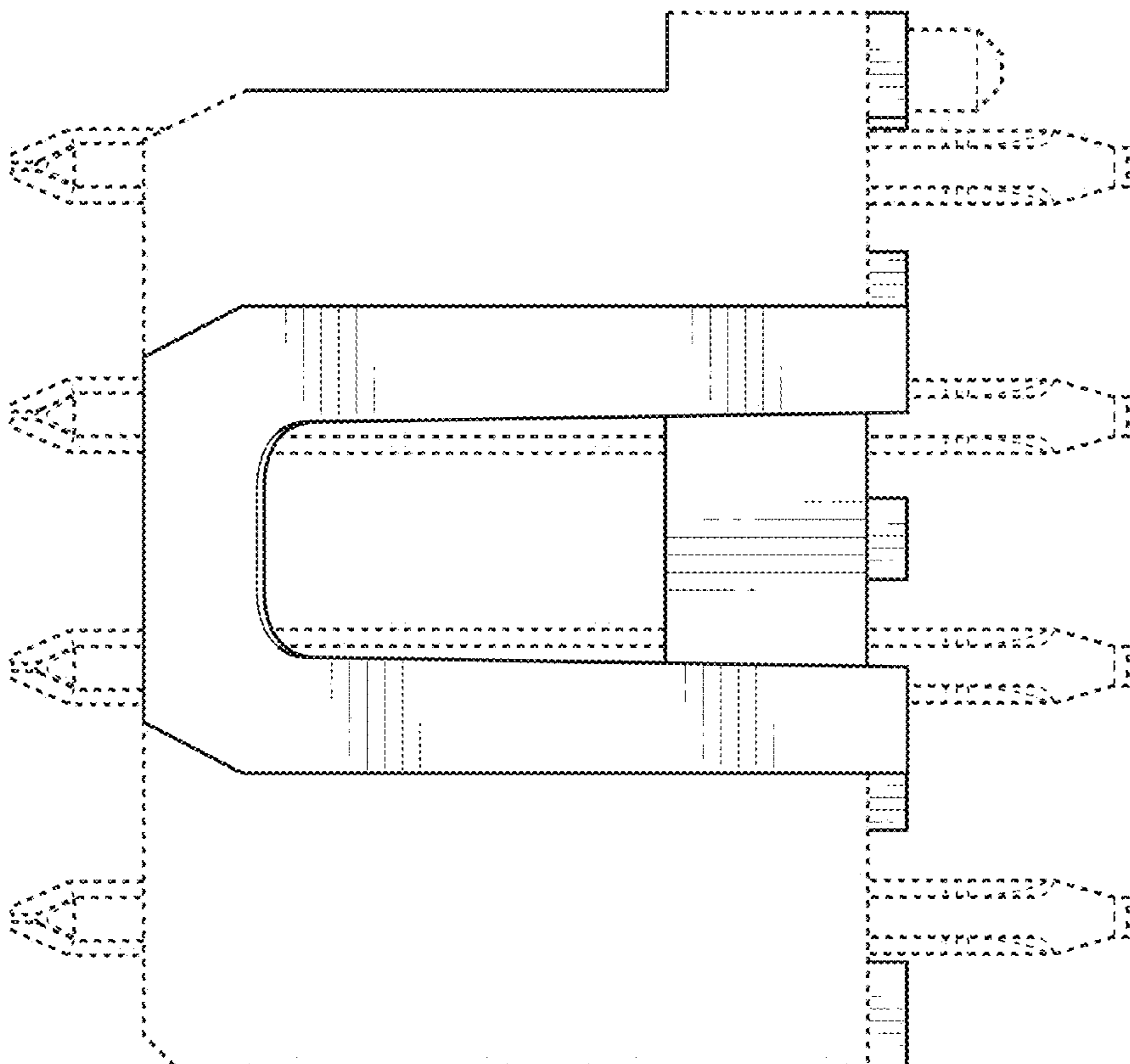


FIG. 24

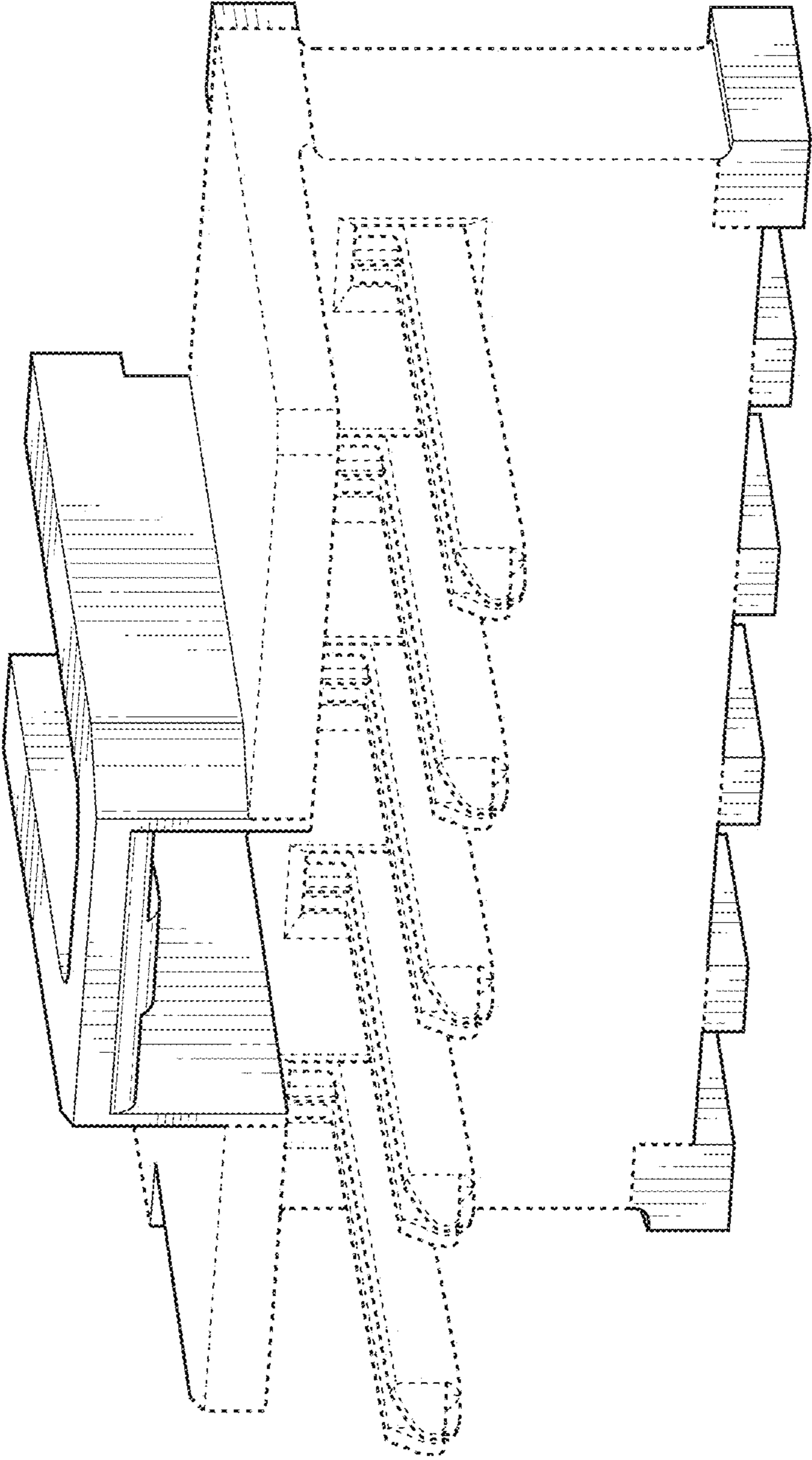


FIG. 25

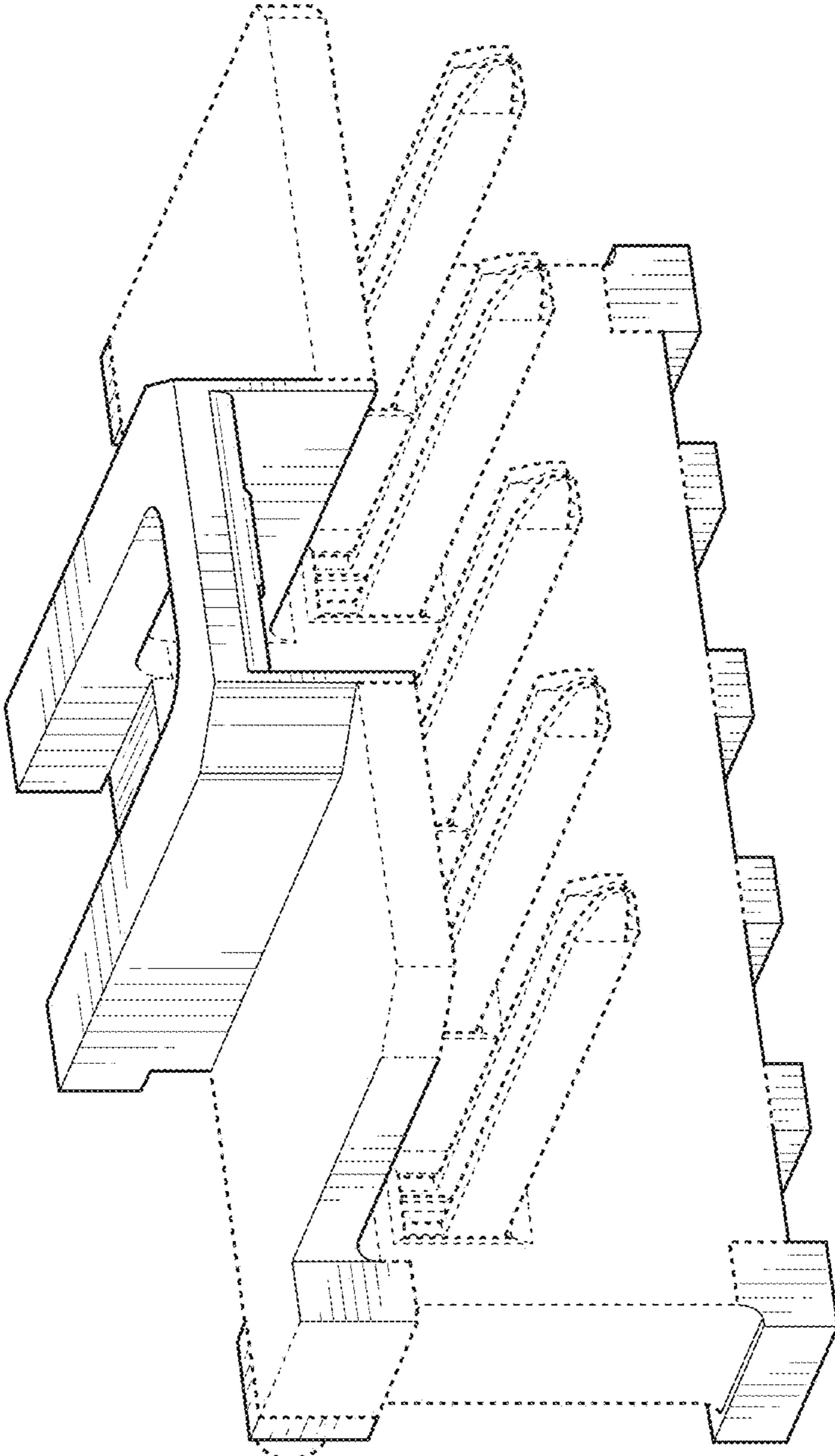


FIG. 26

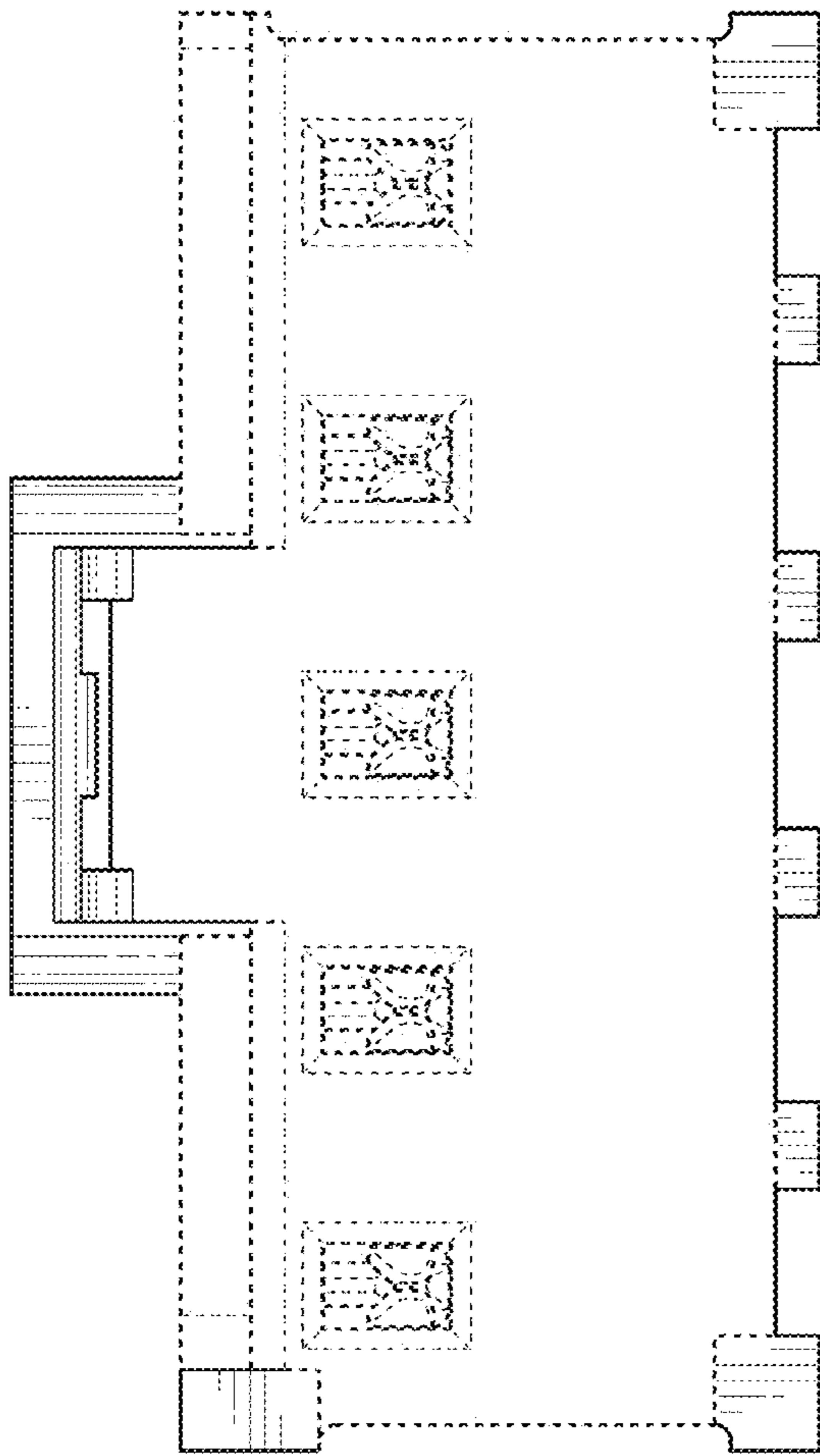


FIG. 27

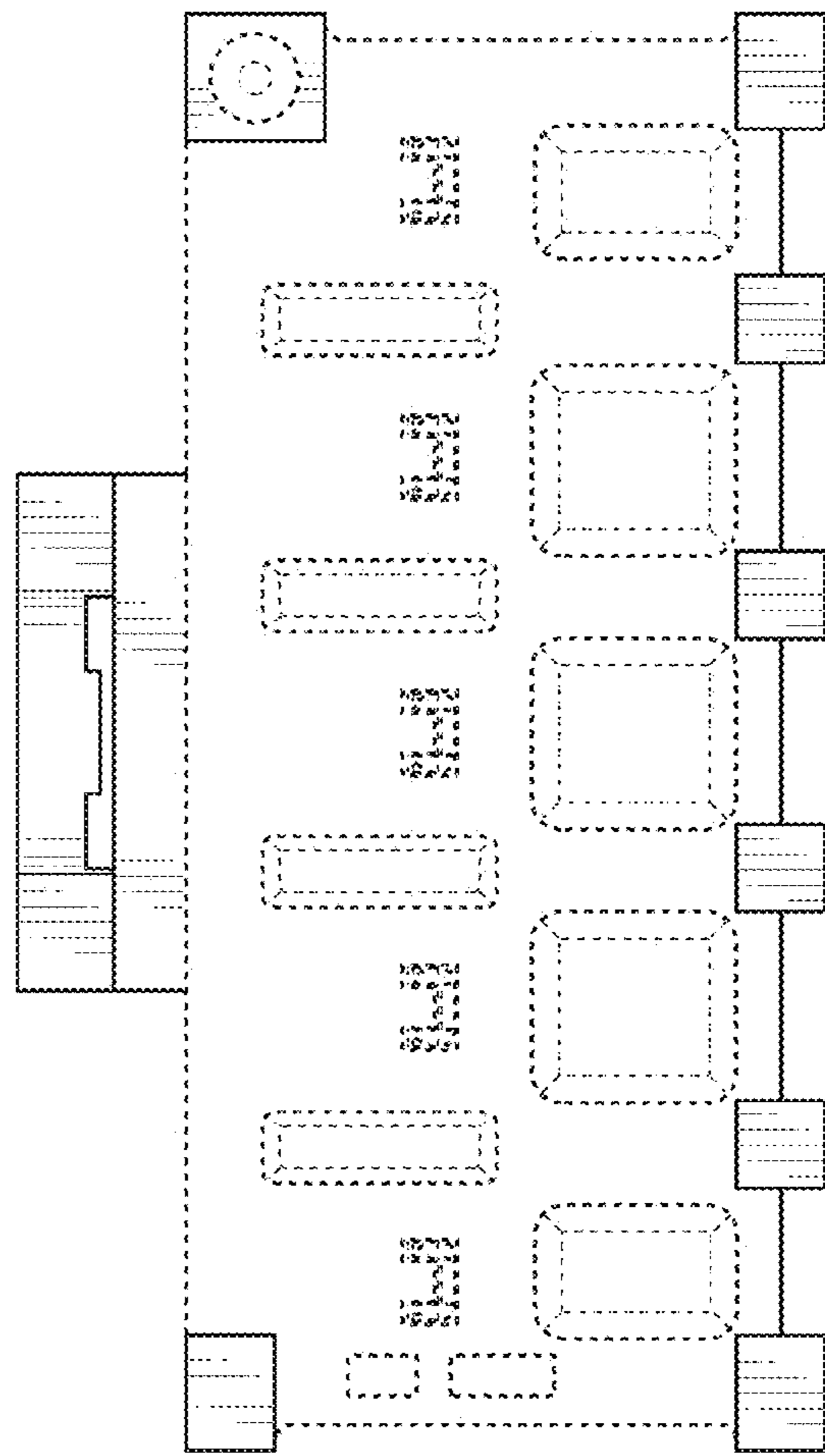


FIG. 28

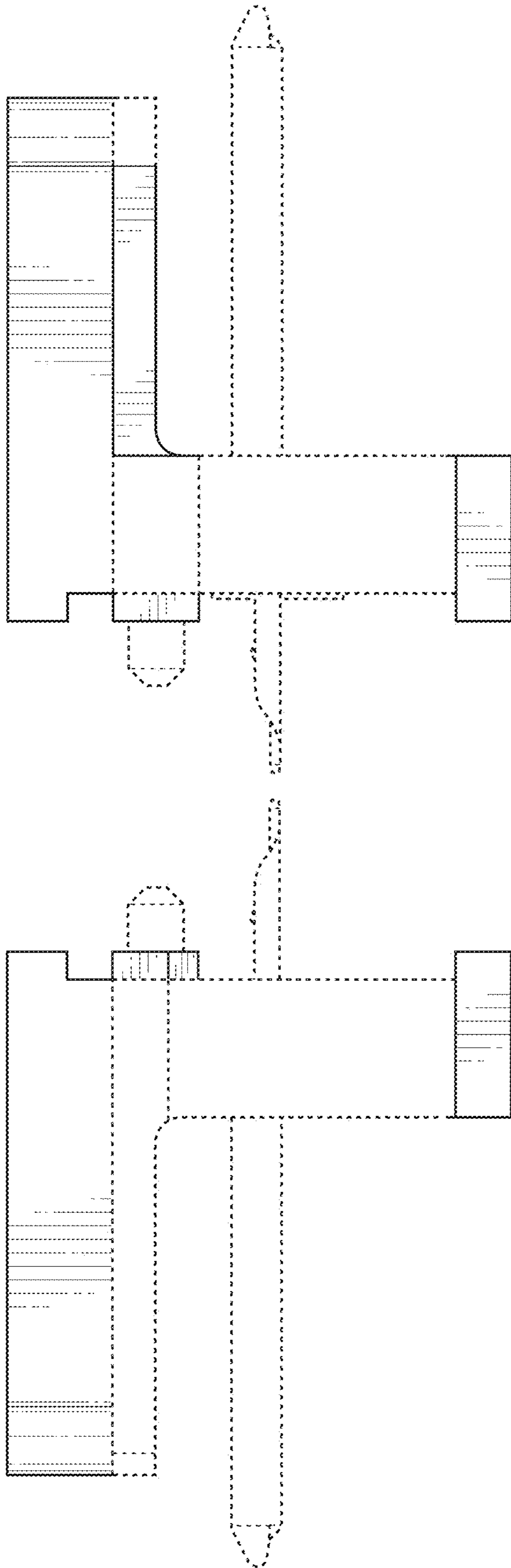


FIG. 29

FIG. 30

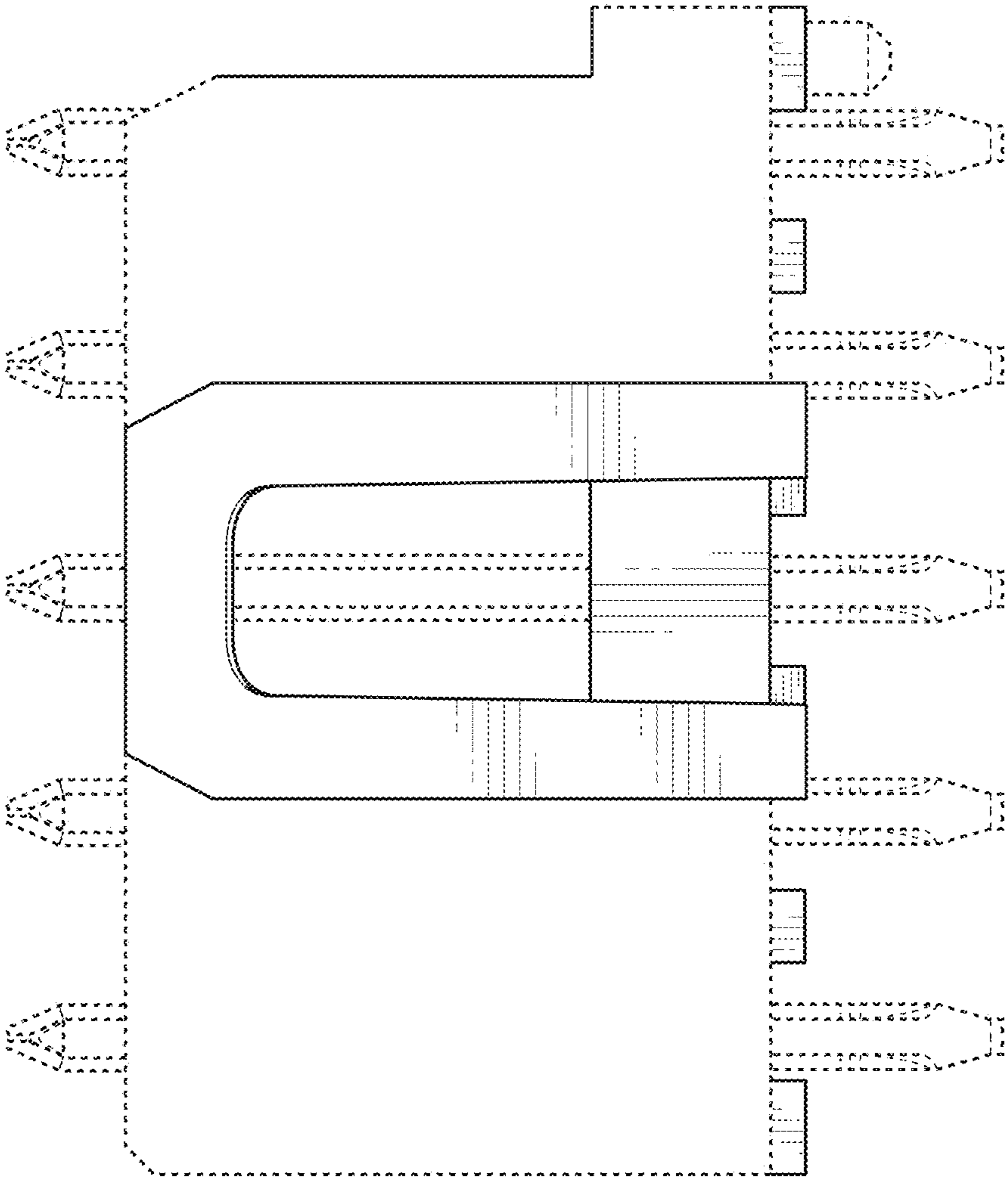


FIG. 31

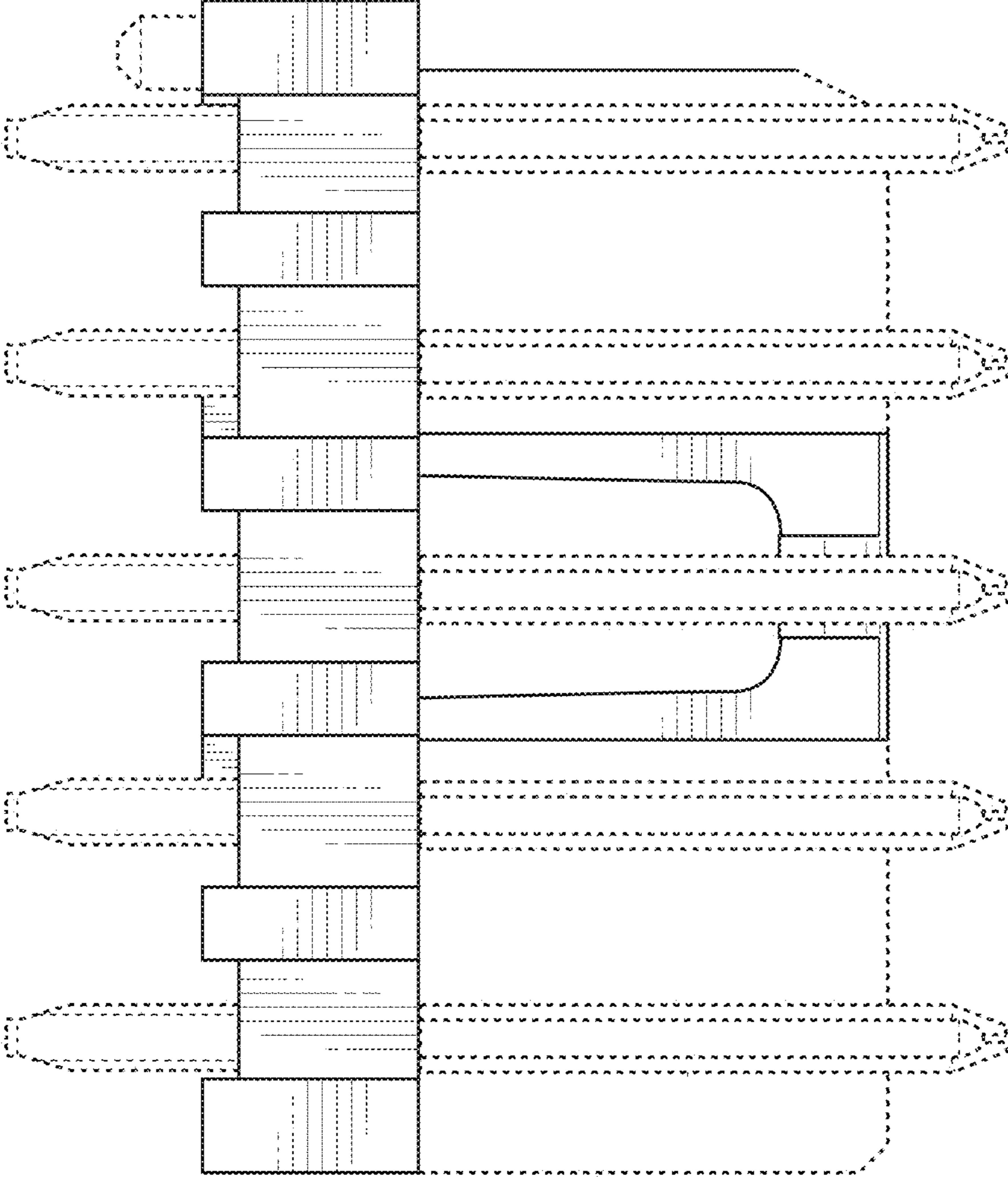


FIG. 32

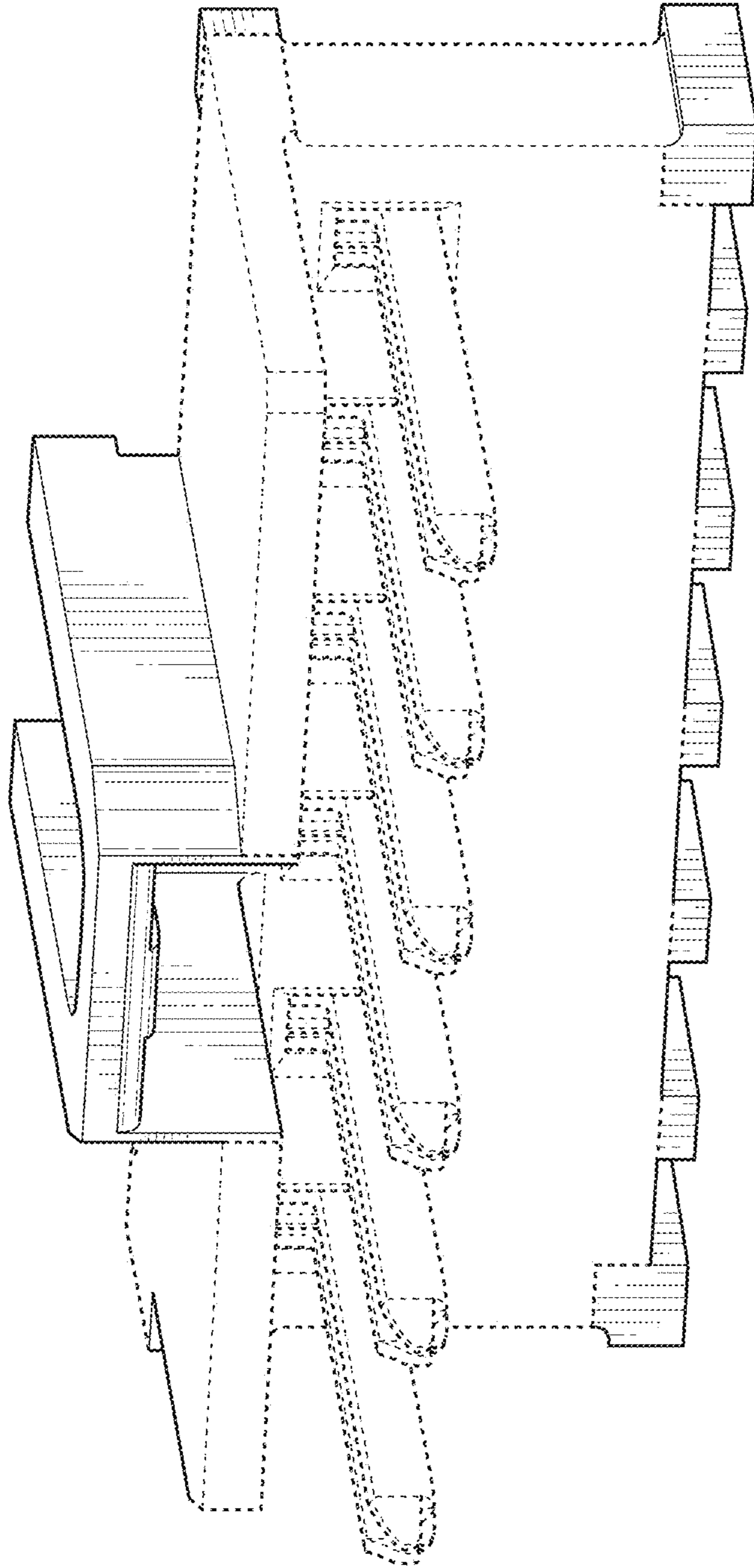


FIG. 33

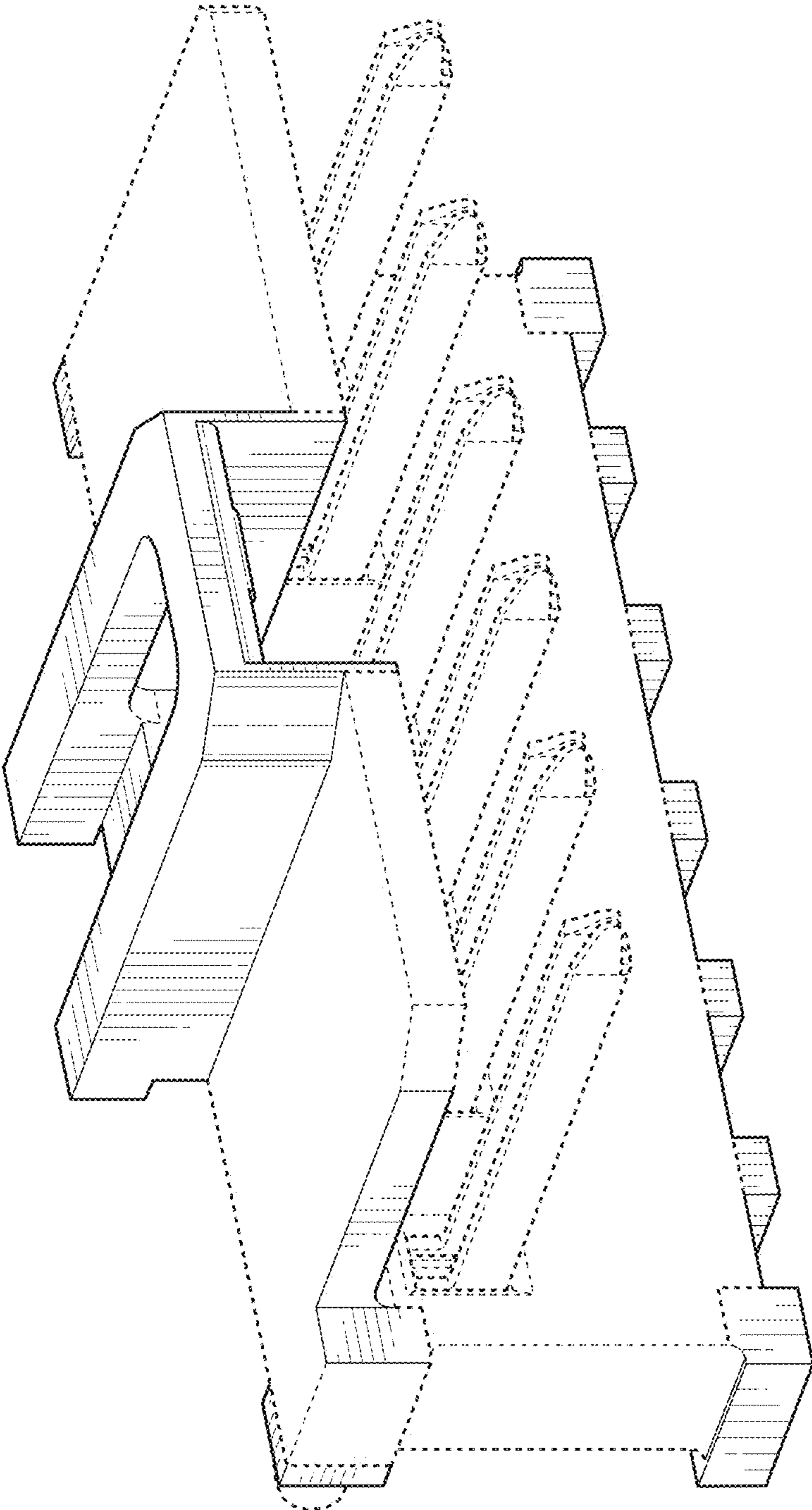


FIG. 34

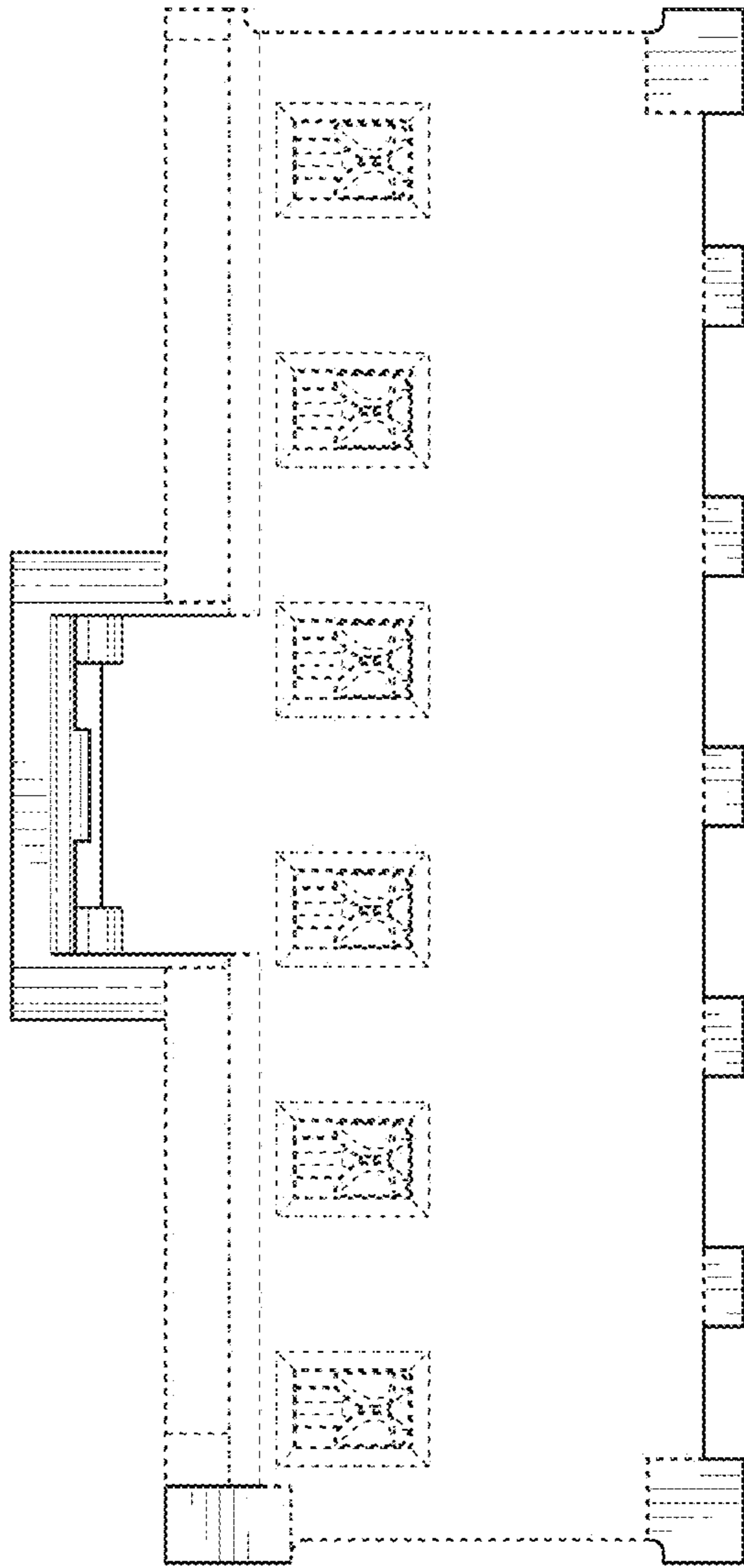


FIG. 35

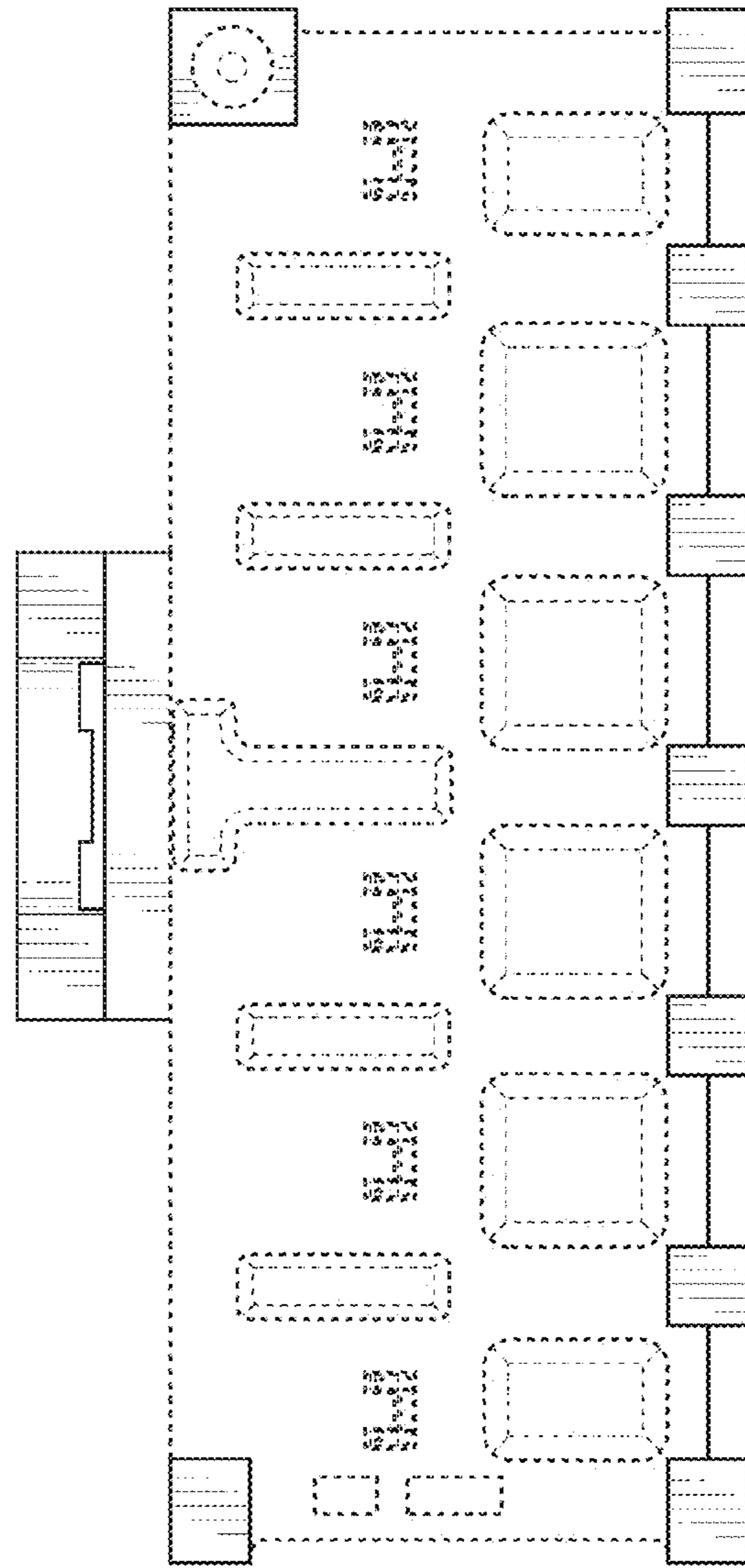


FIG. 36

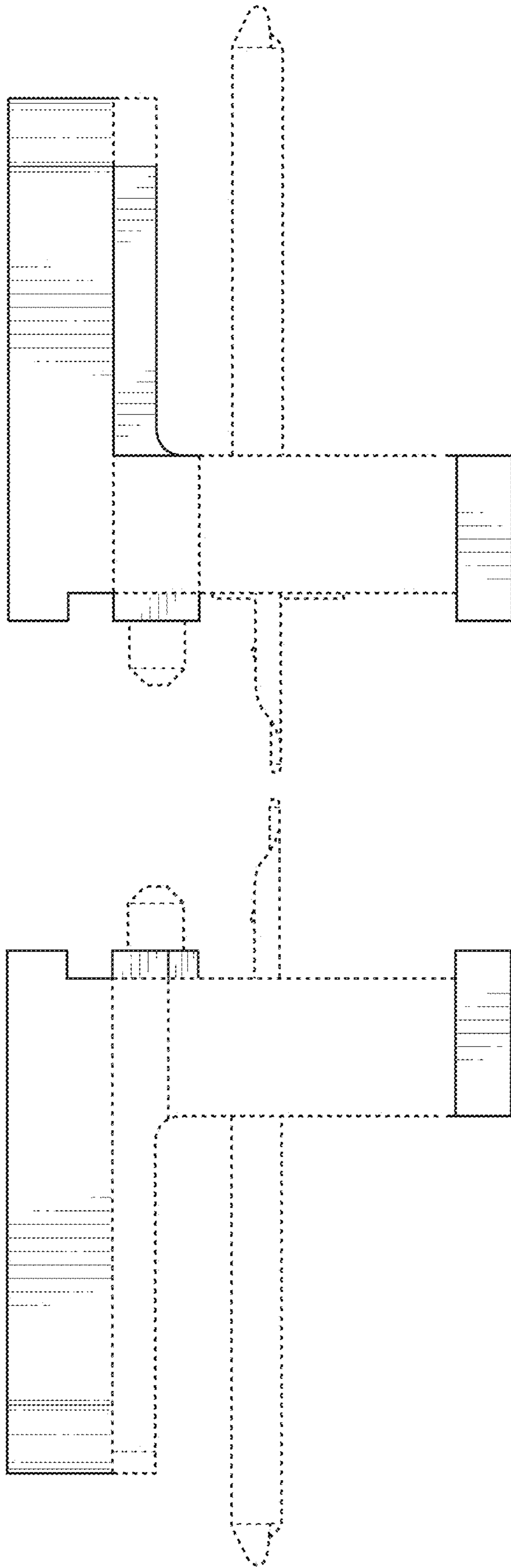


FIG. 38

FIG. 37

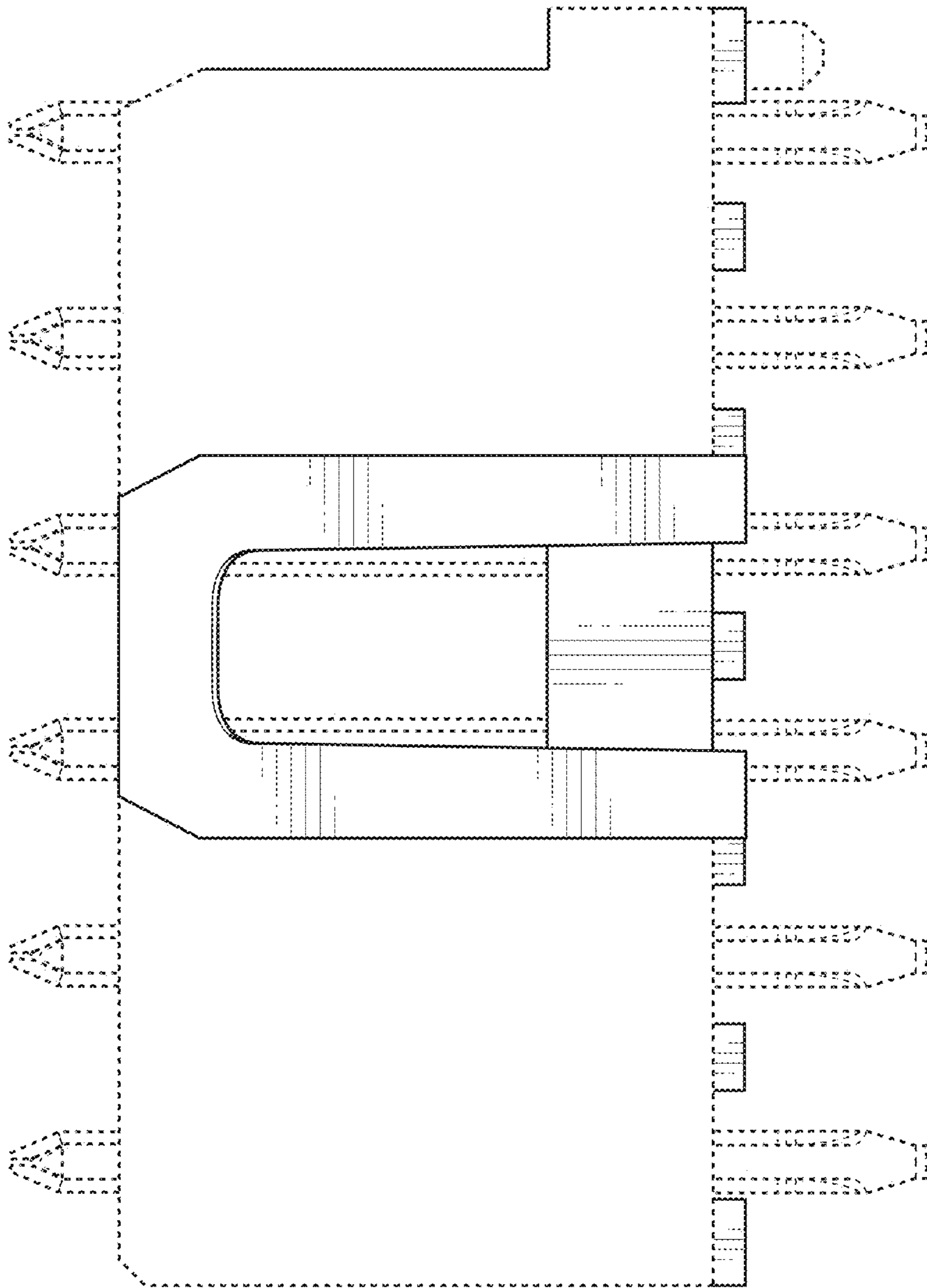


FIG. 39

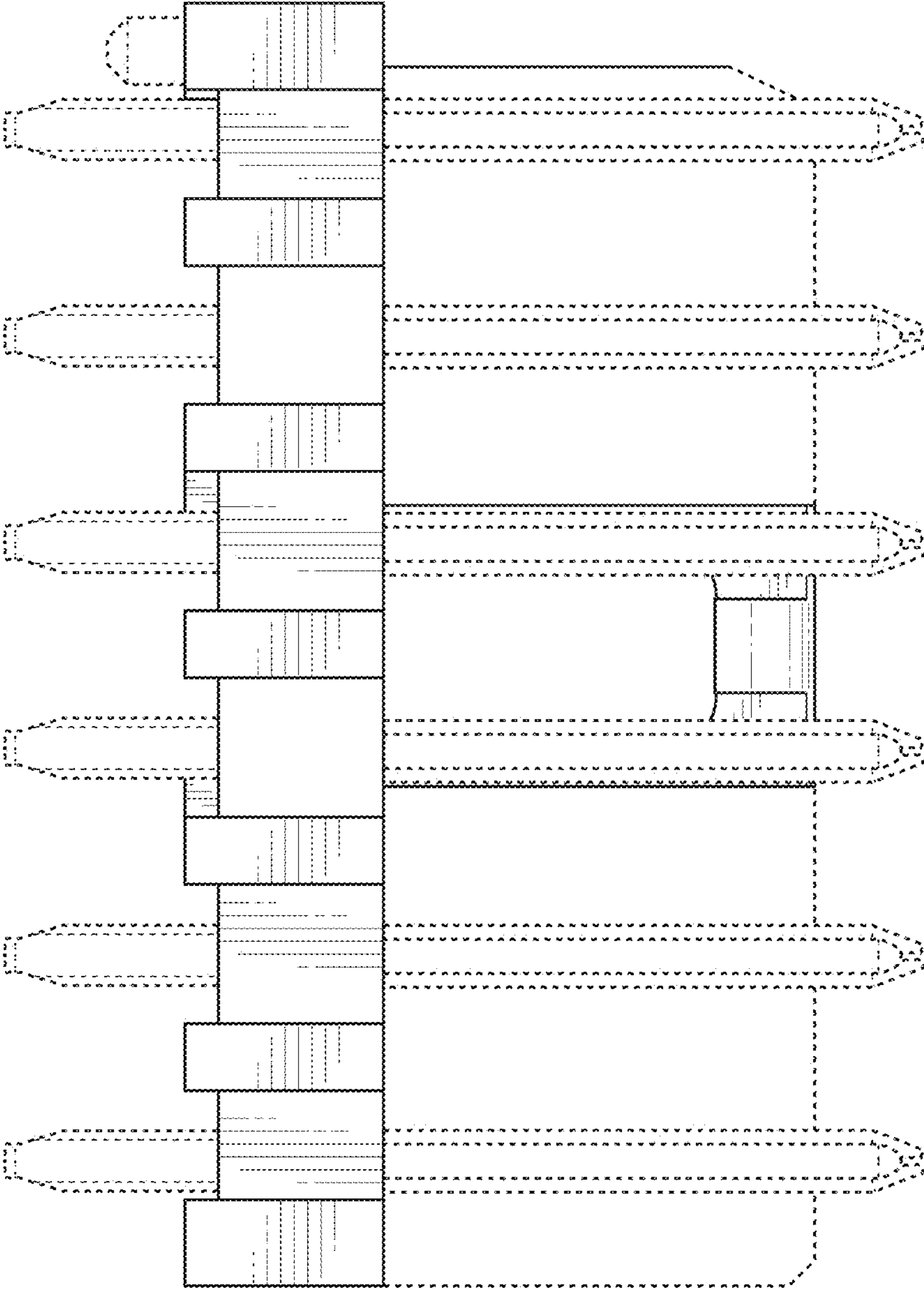


FIG. 40

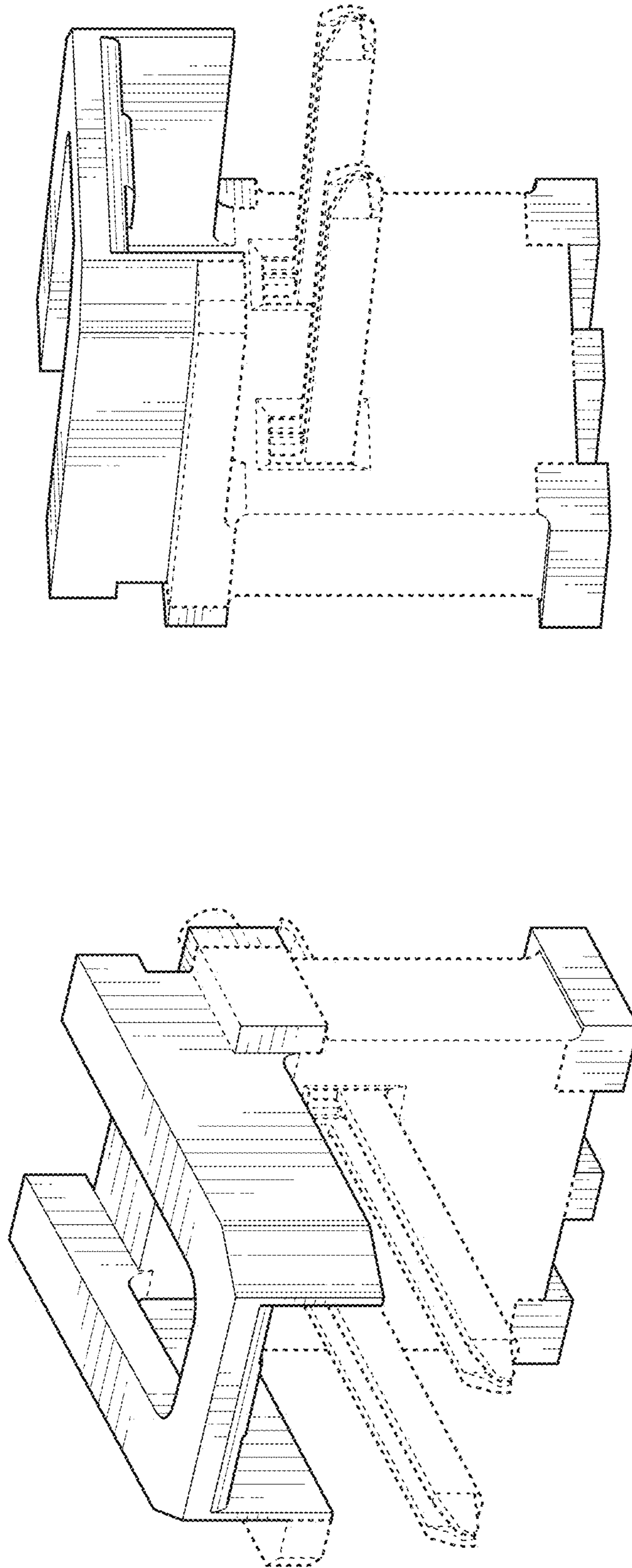


FIG. 42

FIG. 41

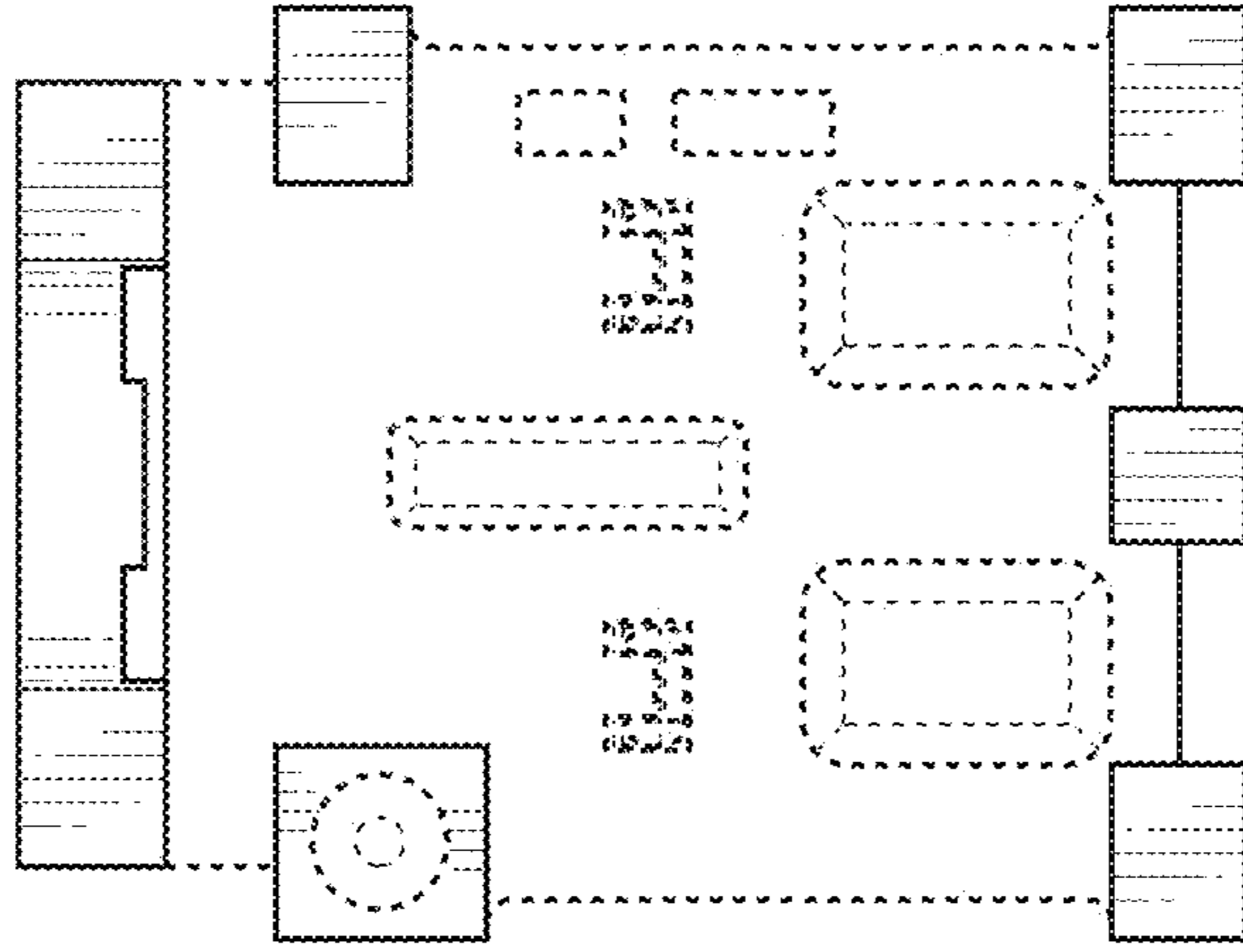


FIG. 44

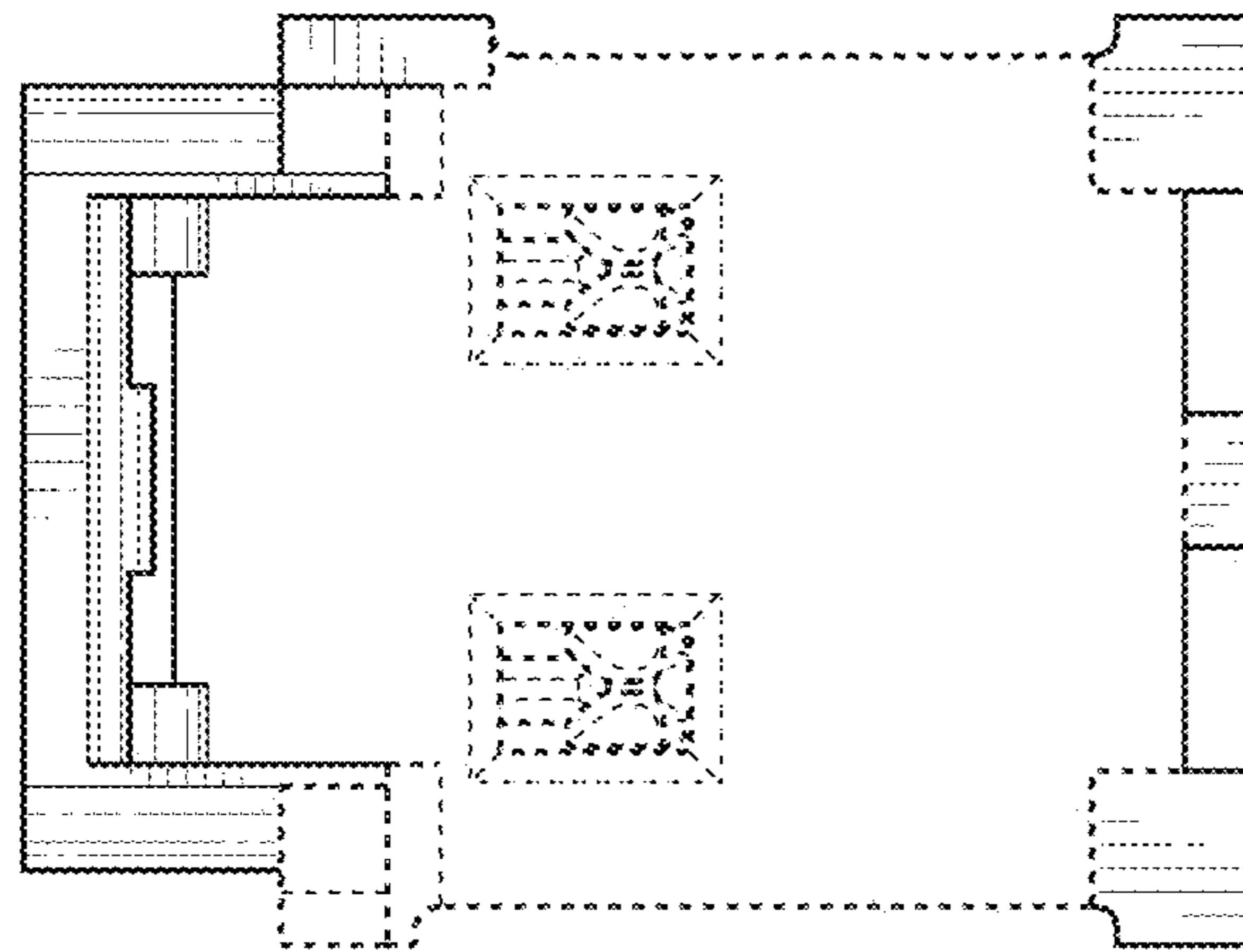


FIG. 43

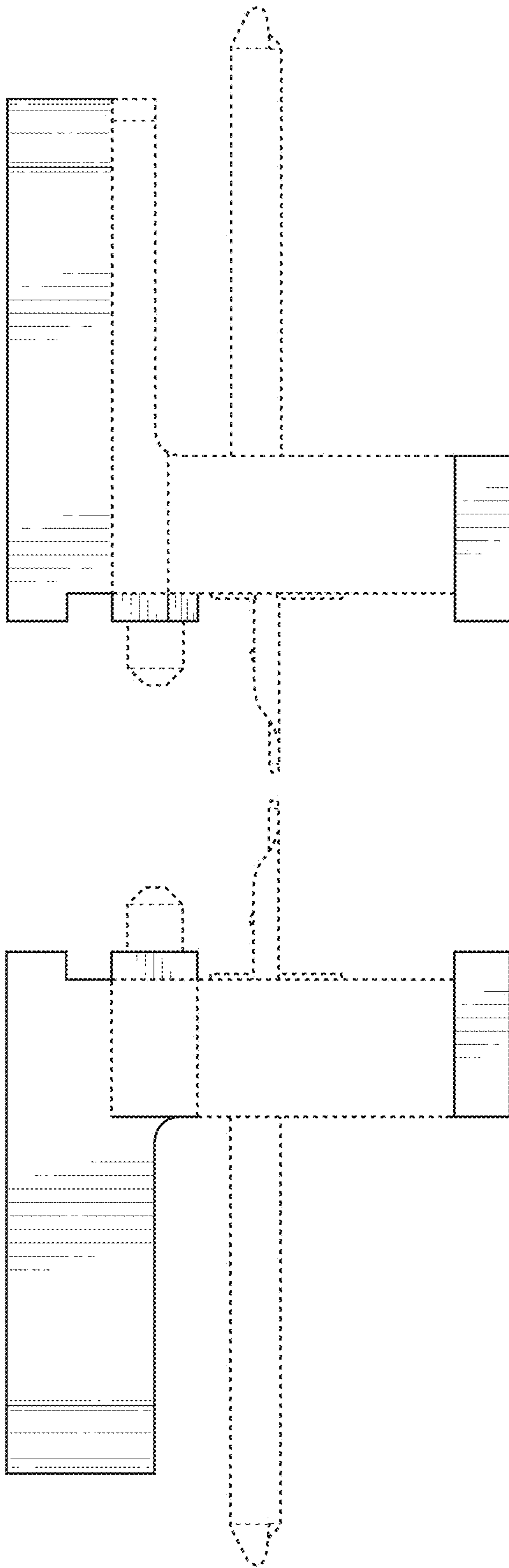


FIG. 46

FIG. 45

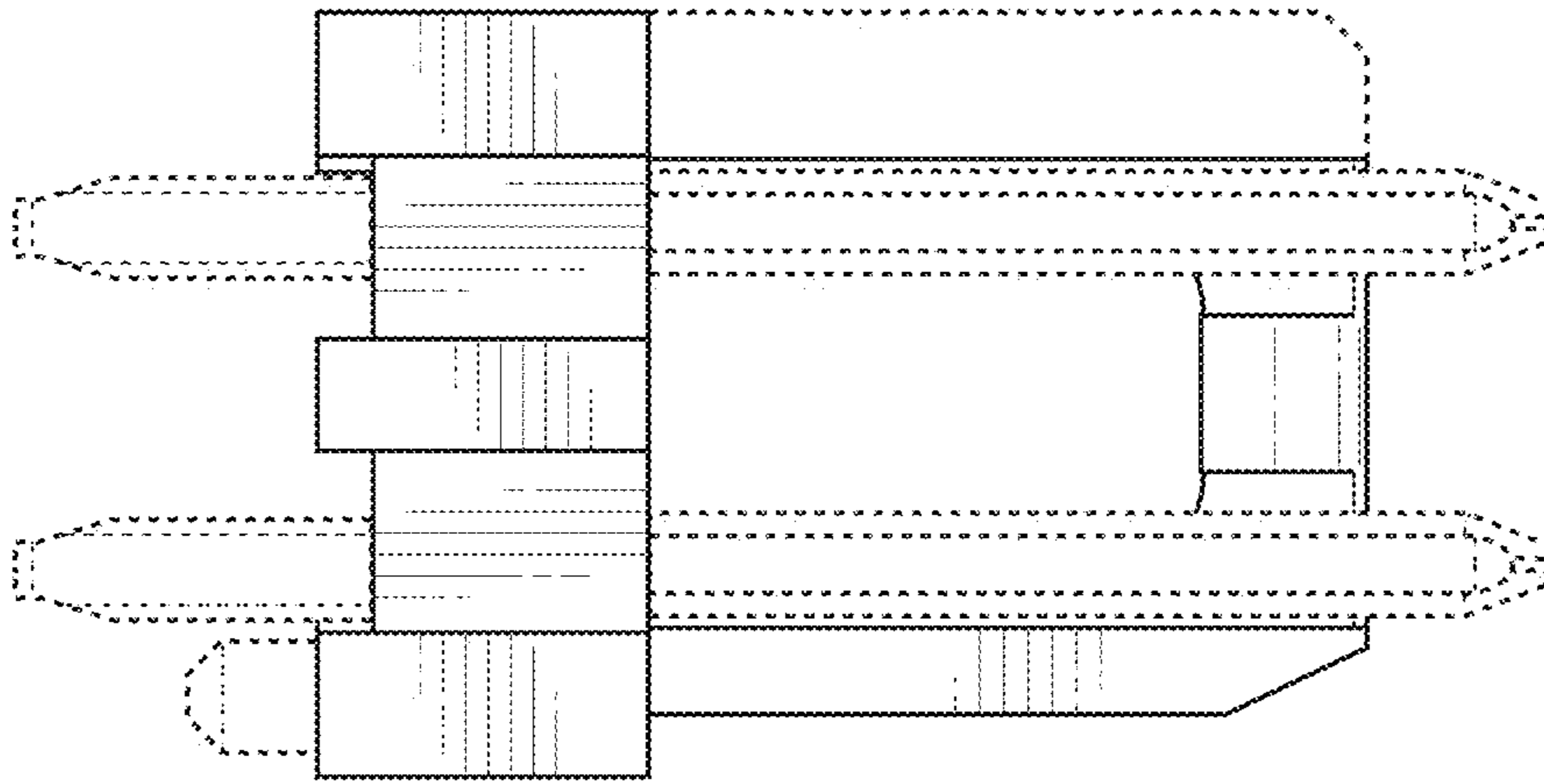


FIG. 47

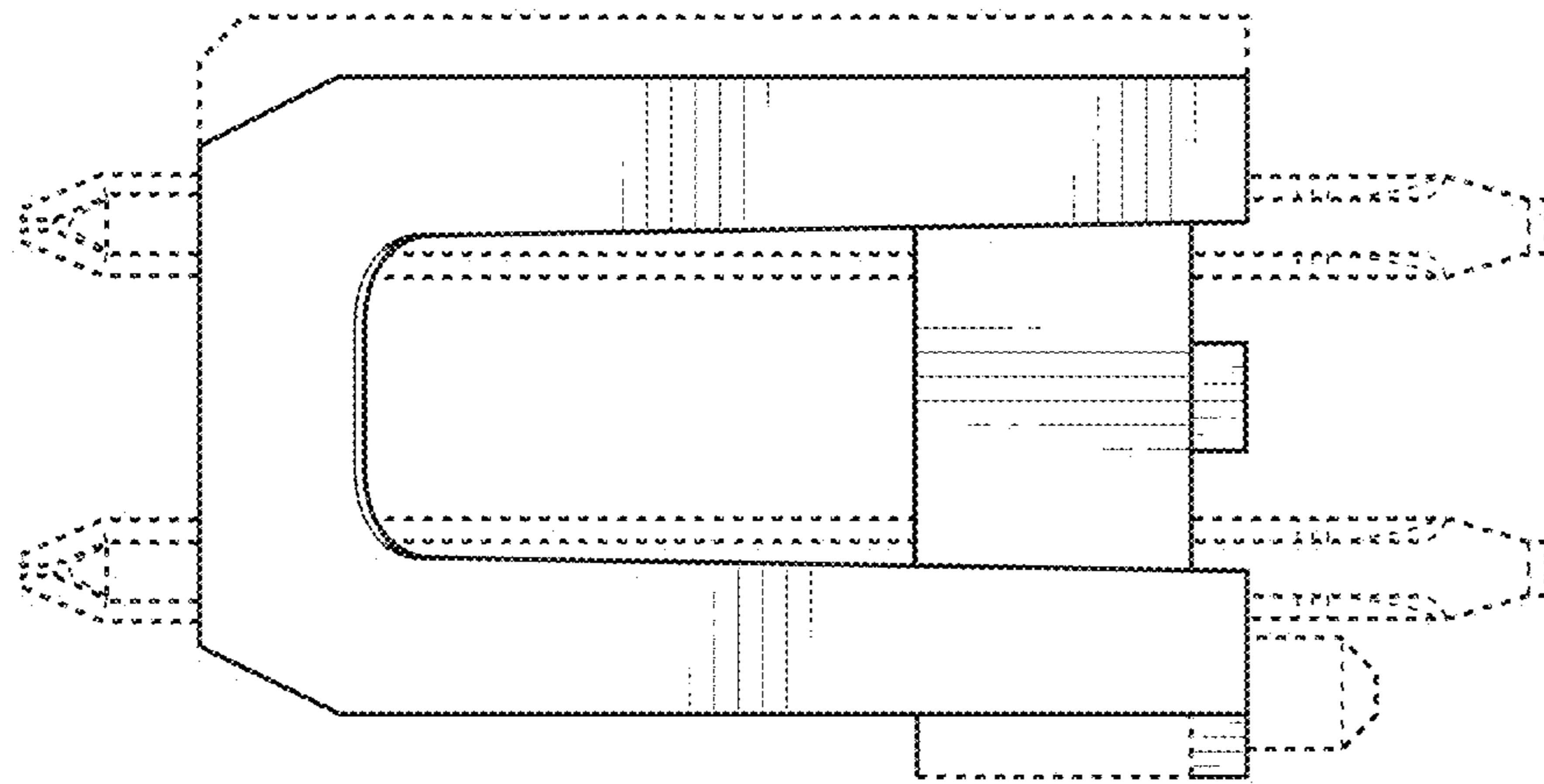


FIG. 48

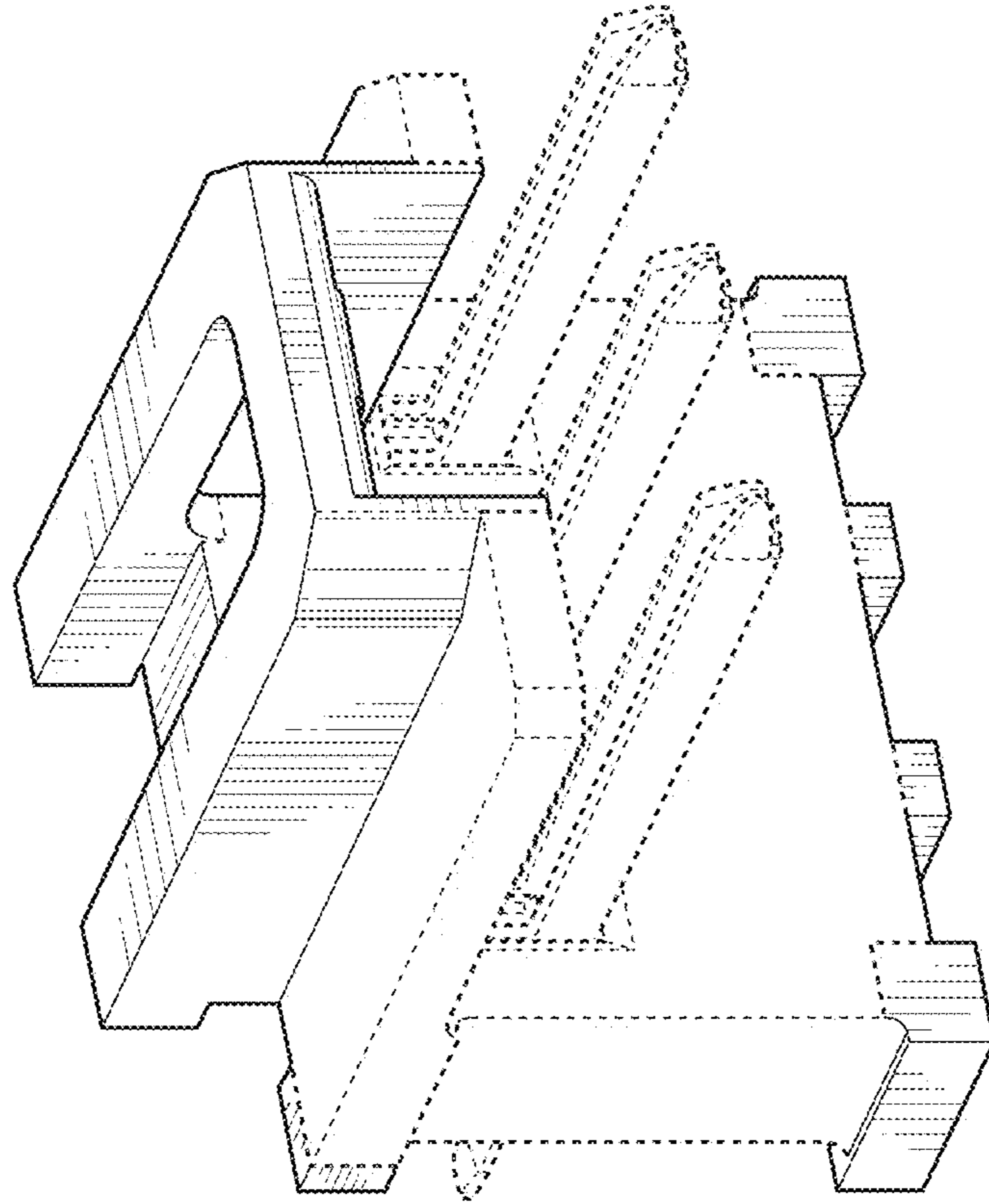


FIG. 49

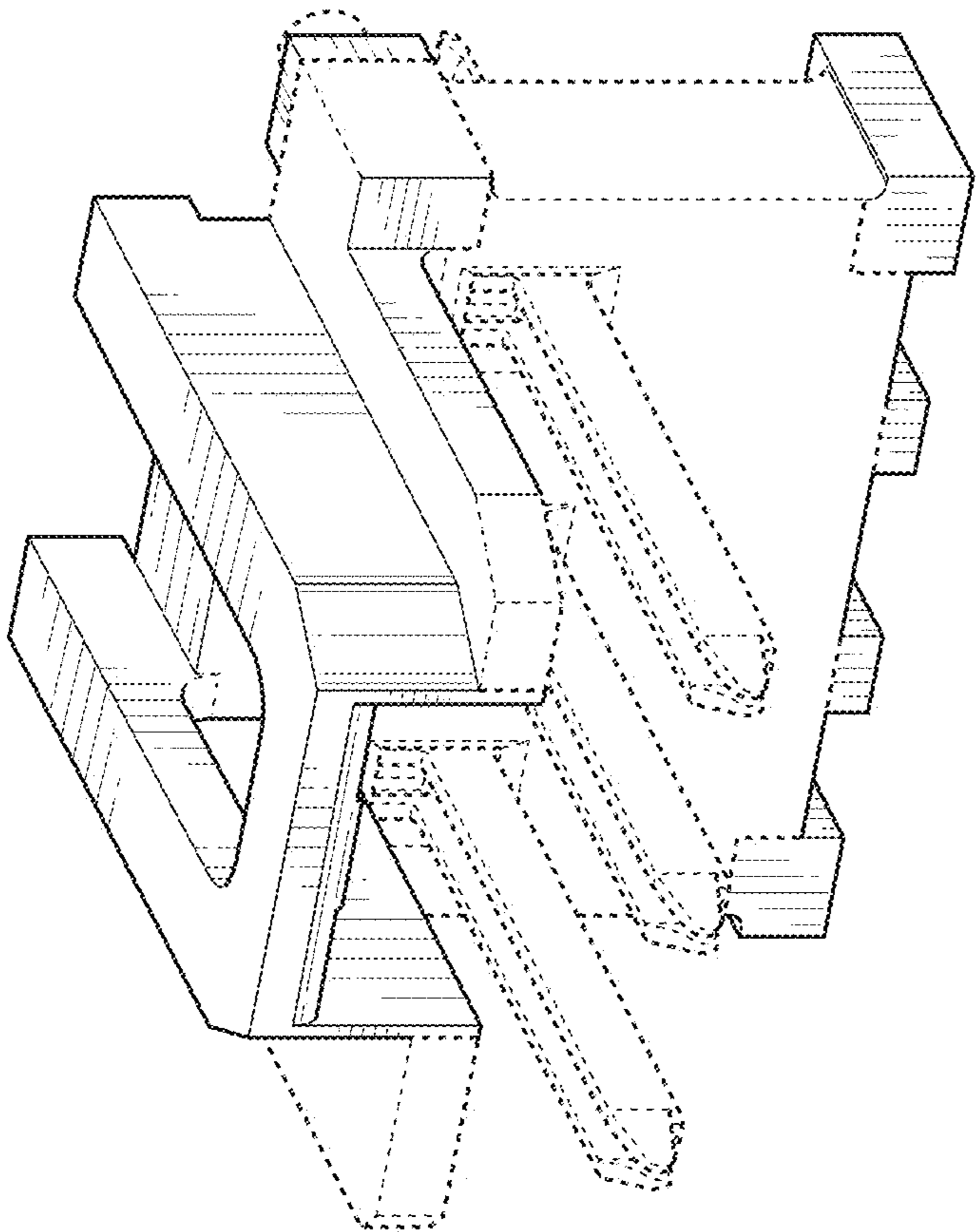


FIG. 50

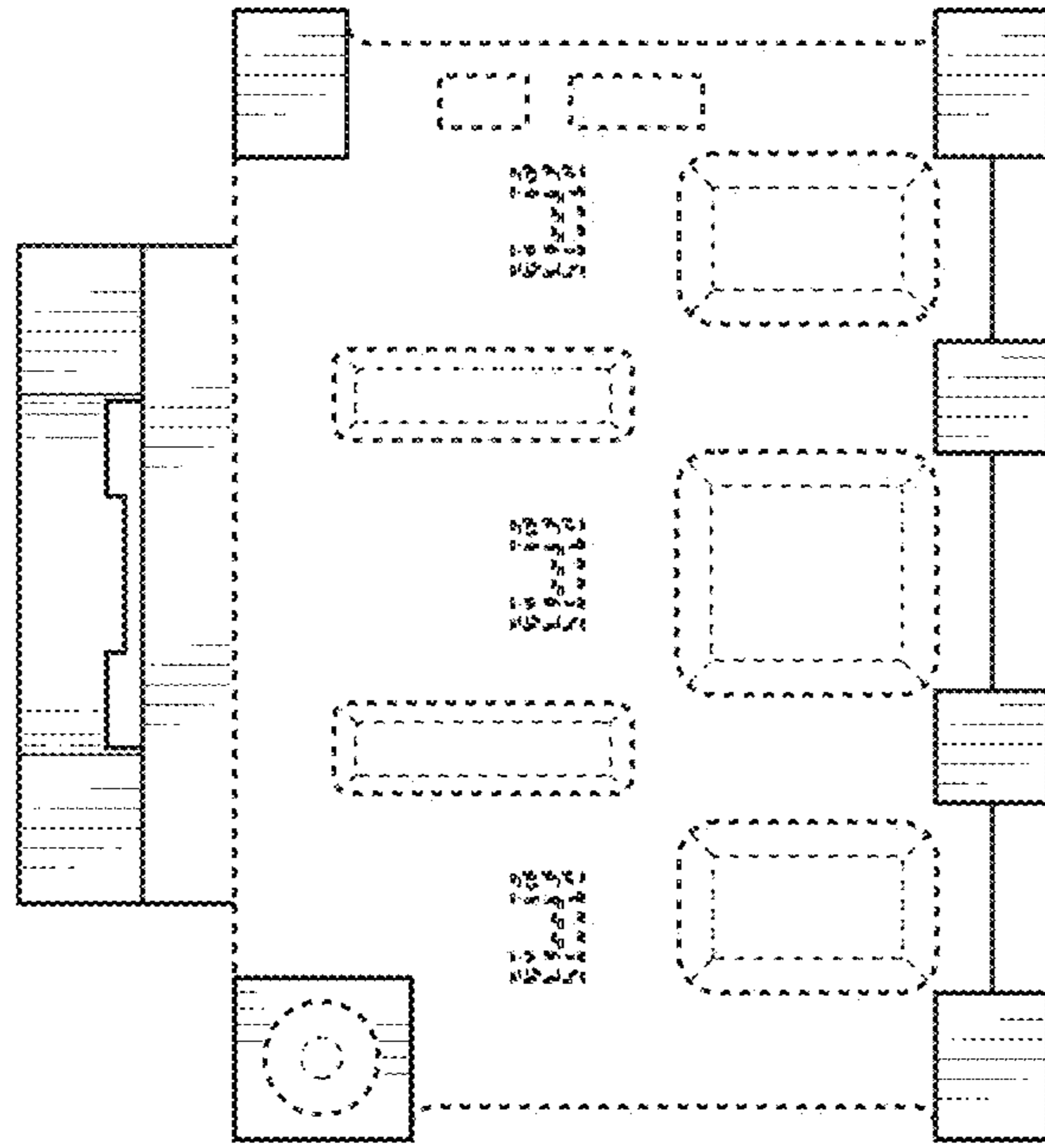


FIG. 52

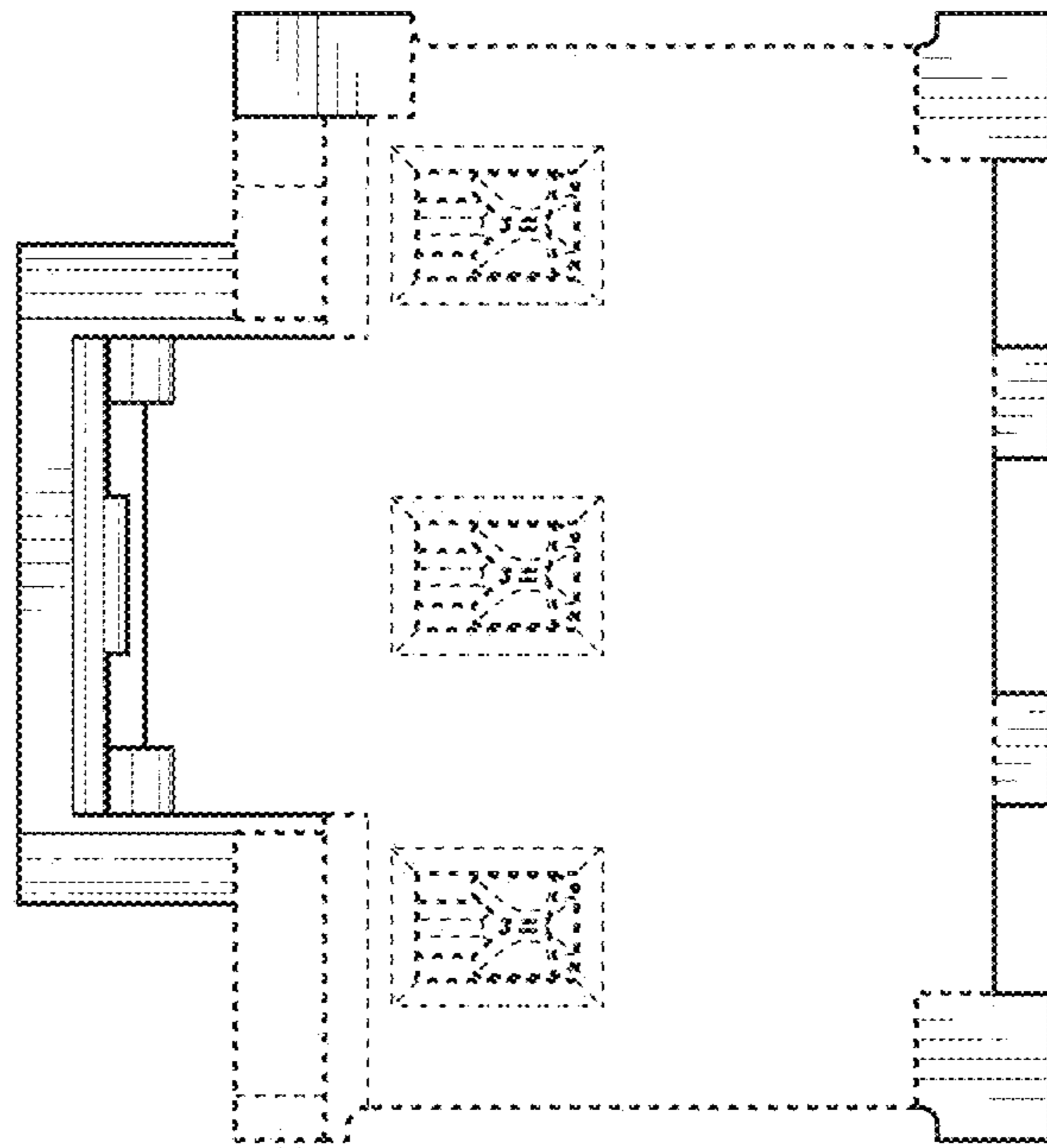


FIG. 51

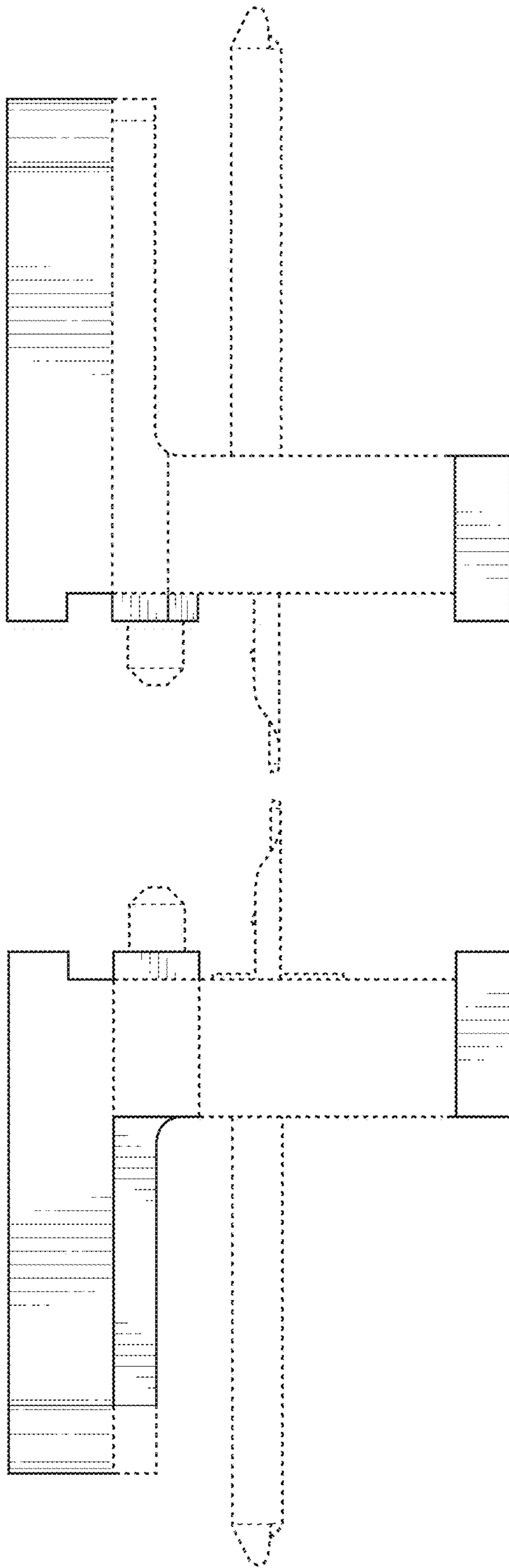


FIG. 54

FIG. 53

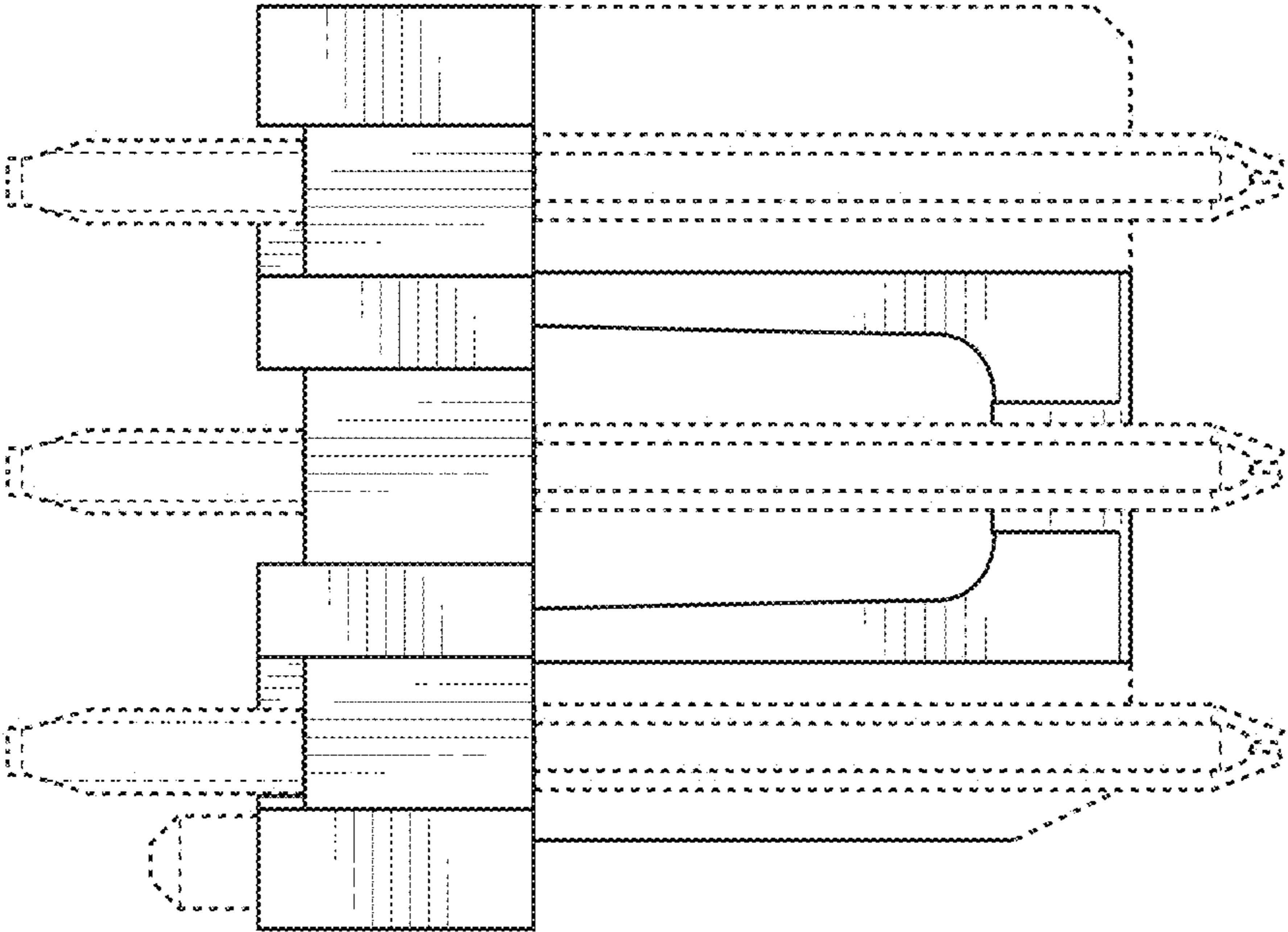


FIG. 56

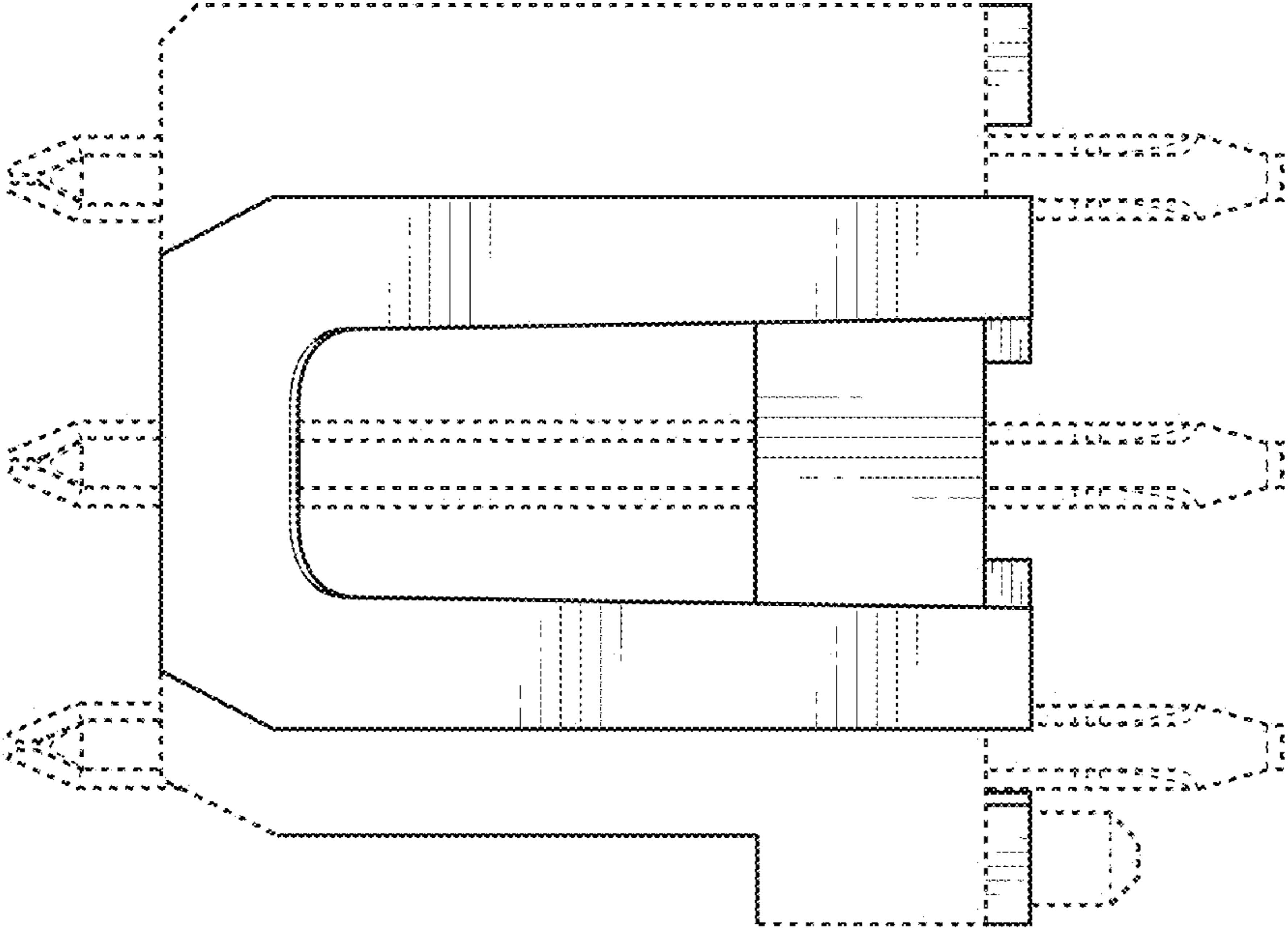


FIG. 55

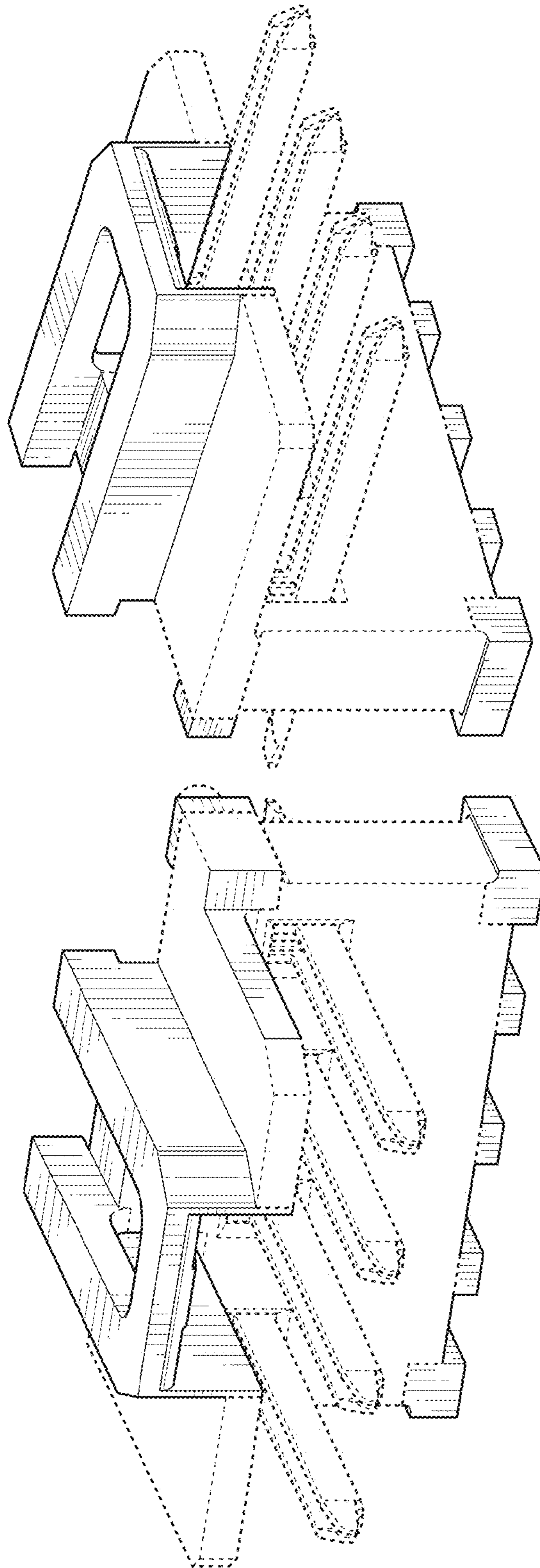


FIG. 58

FIG. 57

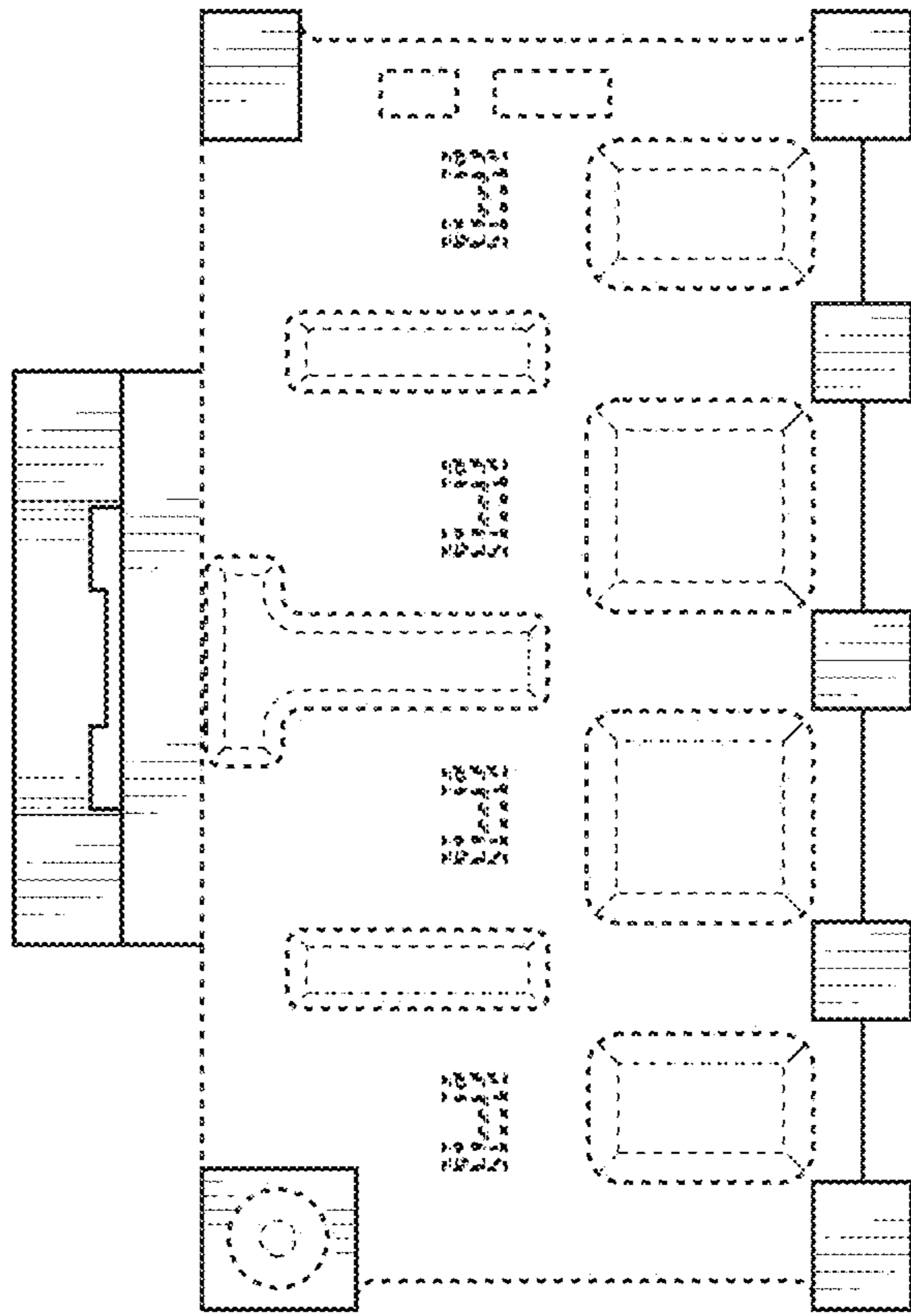


FIG. 59

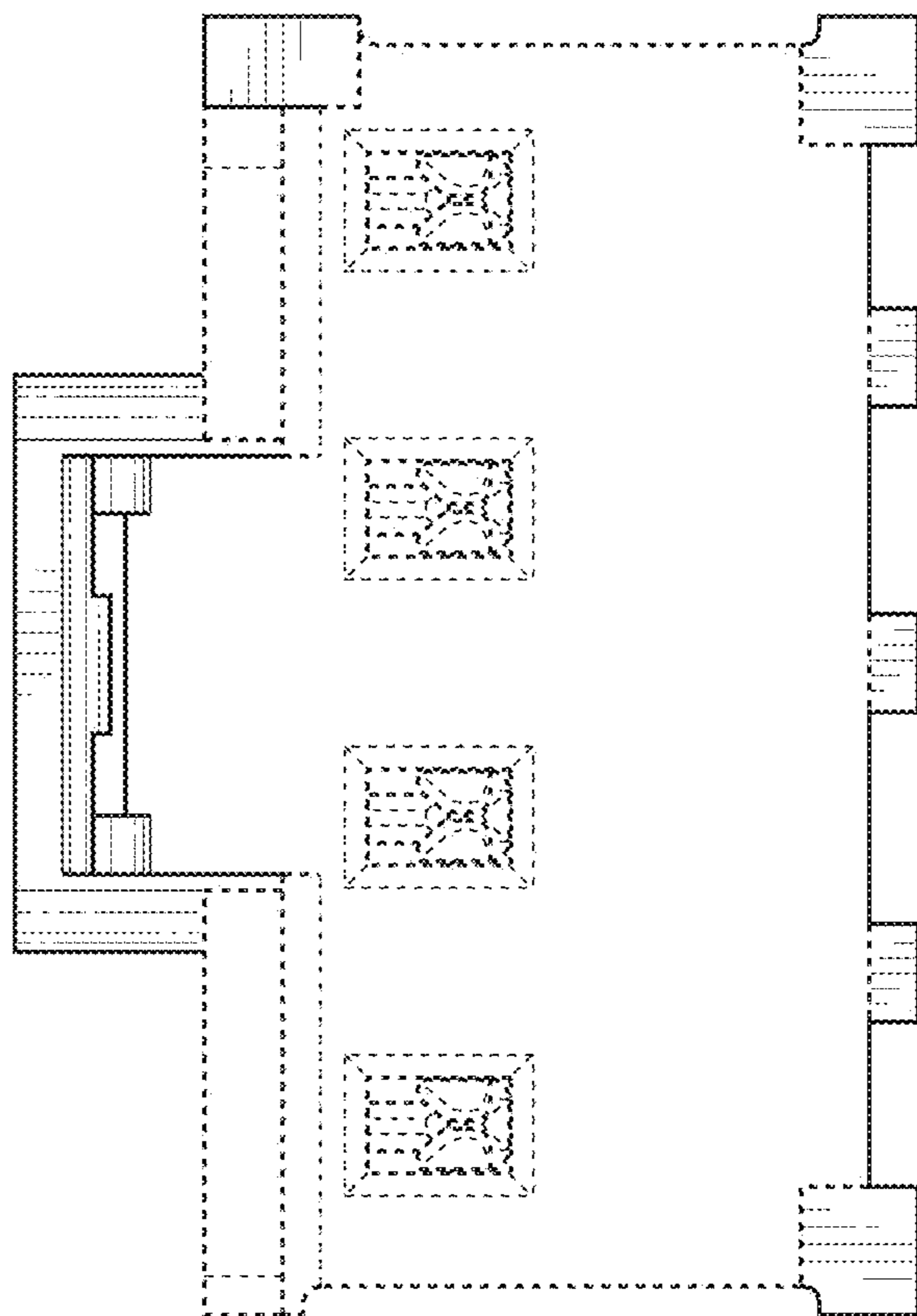


FIG. 60

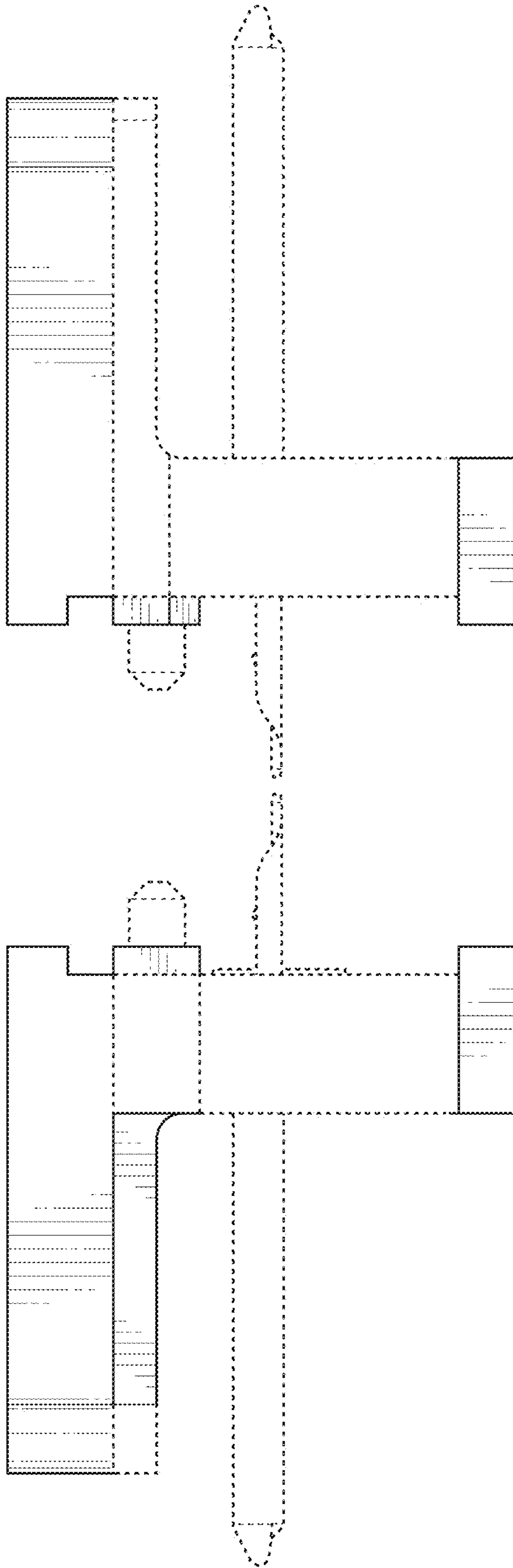


FIG. 62

FIG. 61

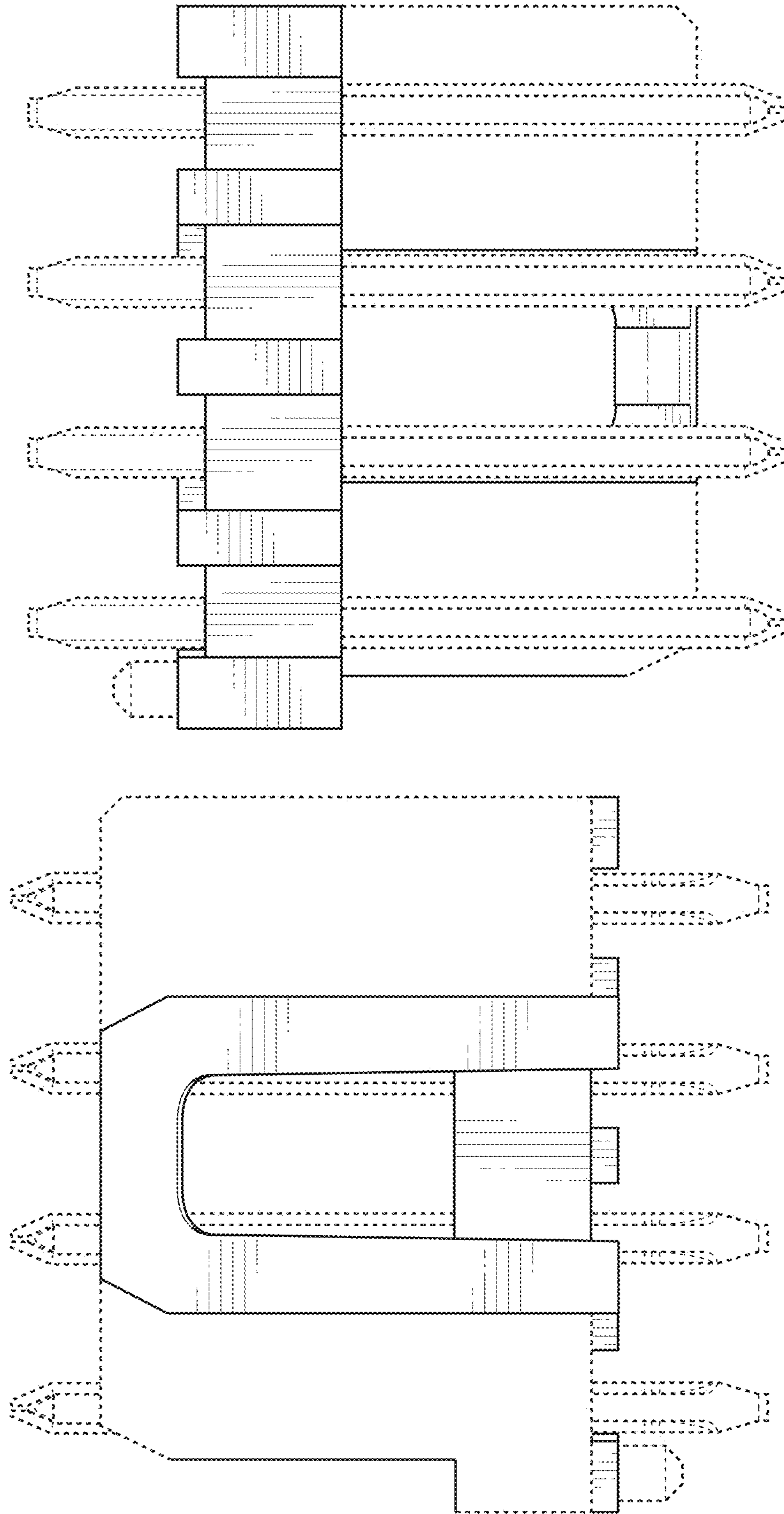


FIG. 63

FIG. 64

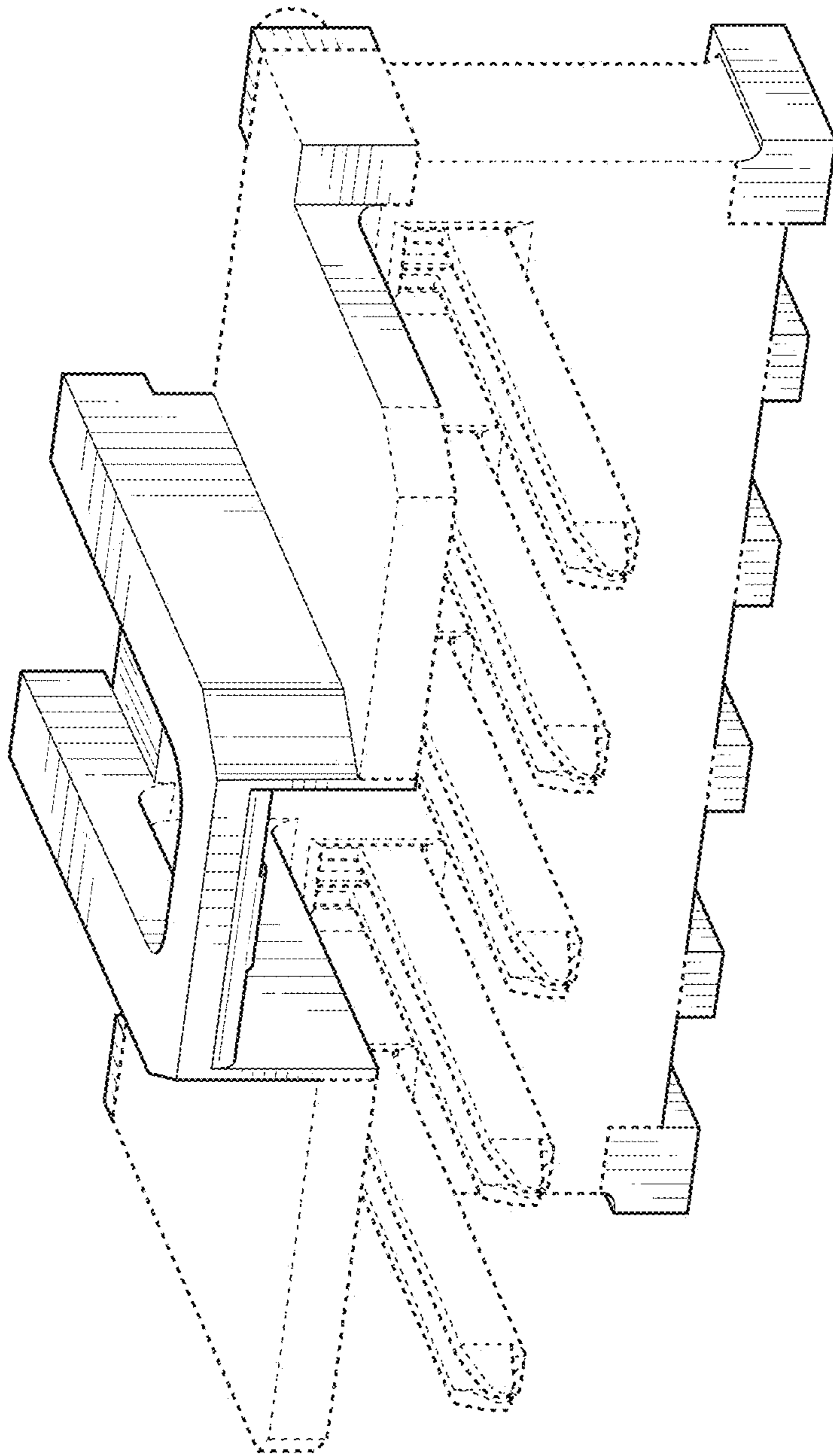


FIG. 65

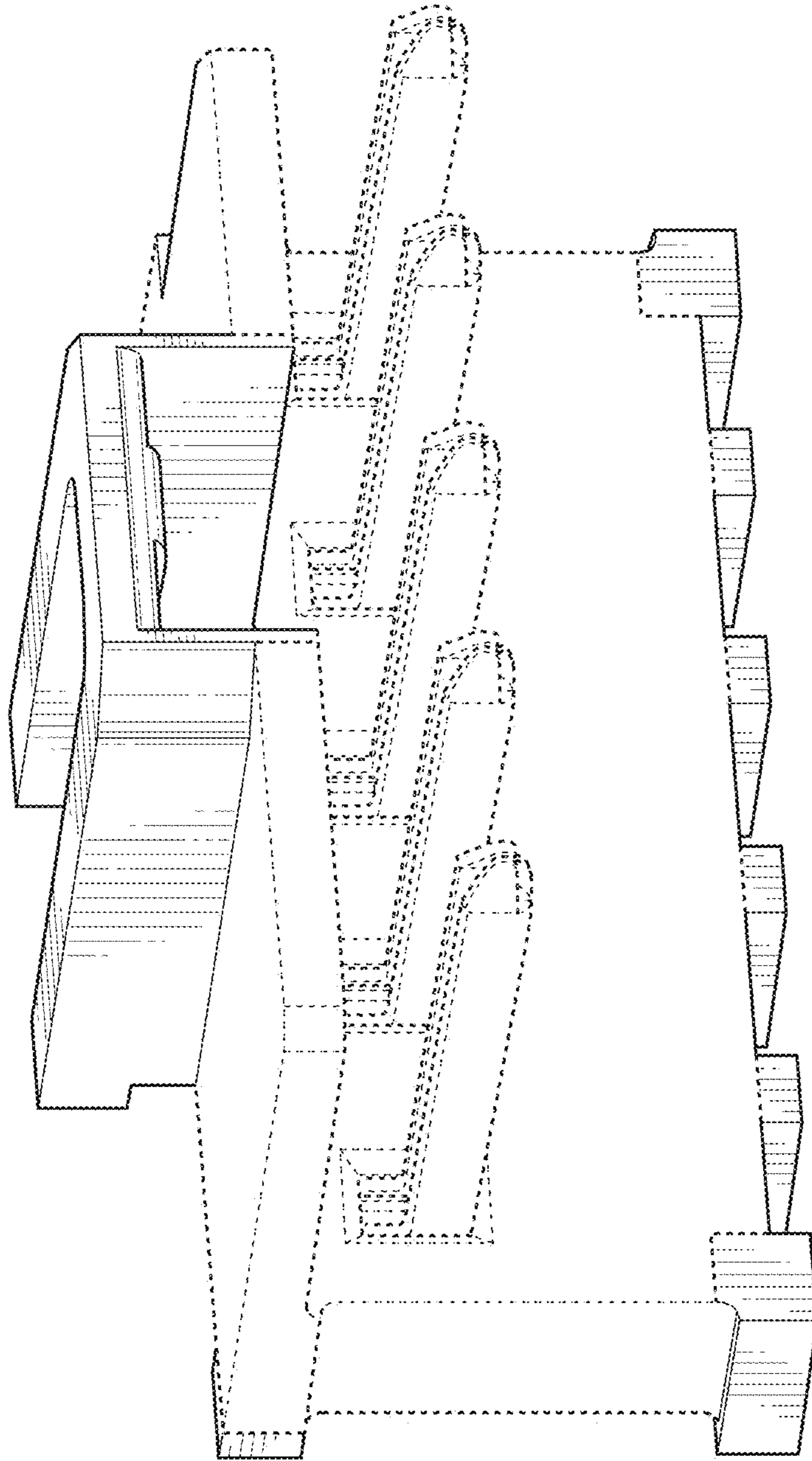


FIG. 66

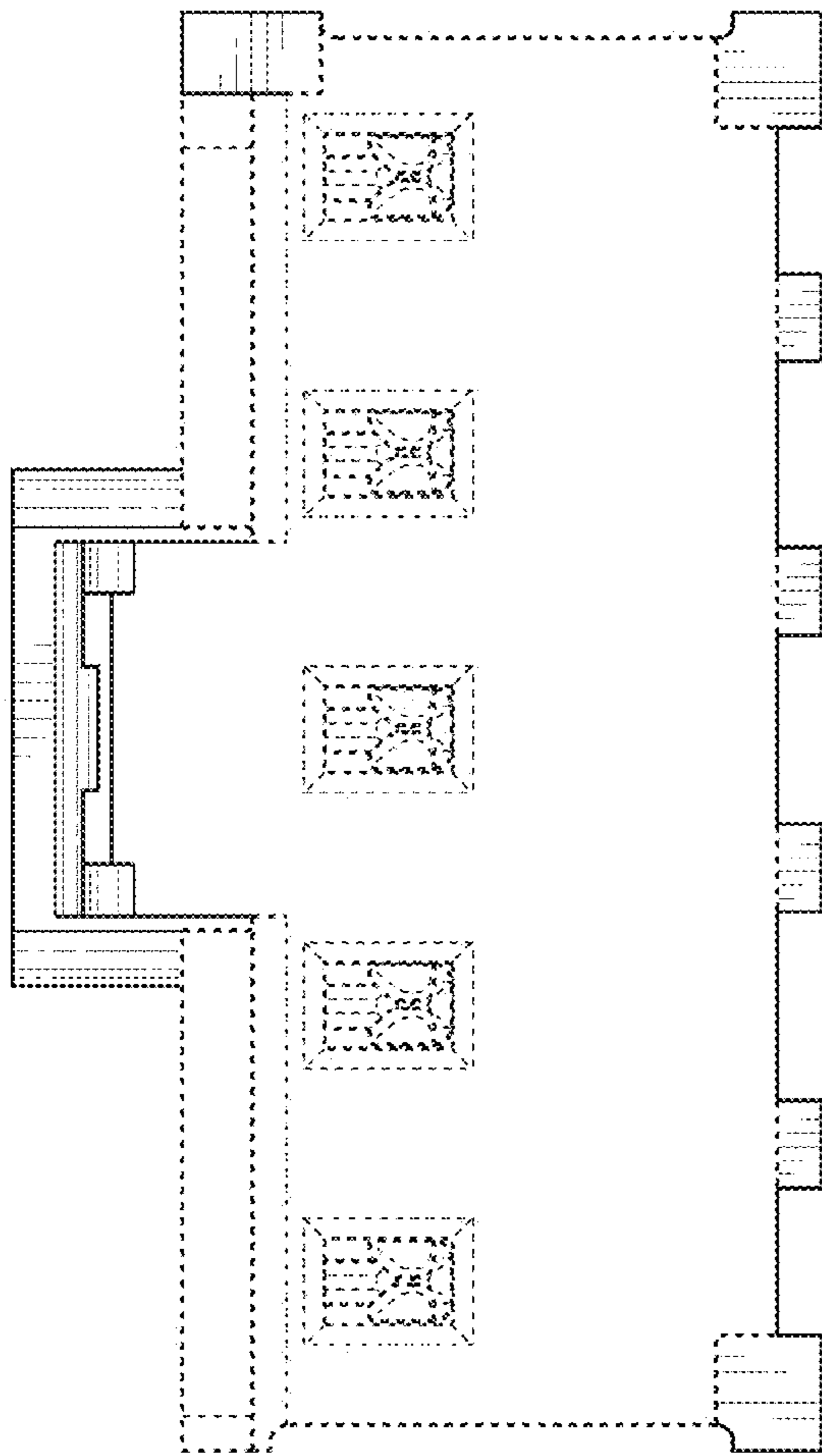


FIG. 67

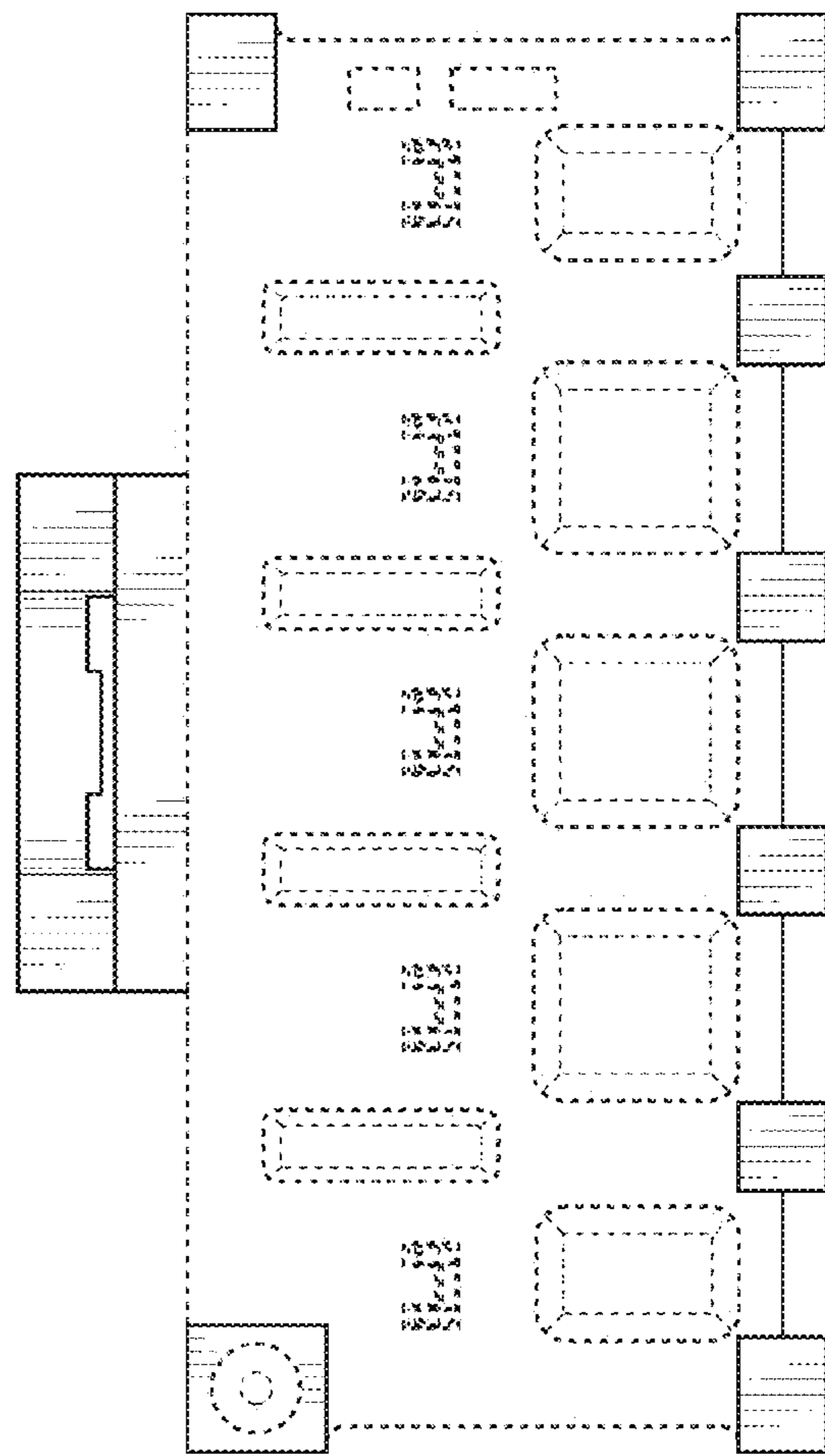


FIG. 68

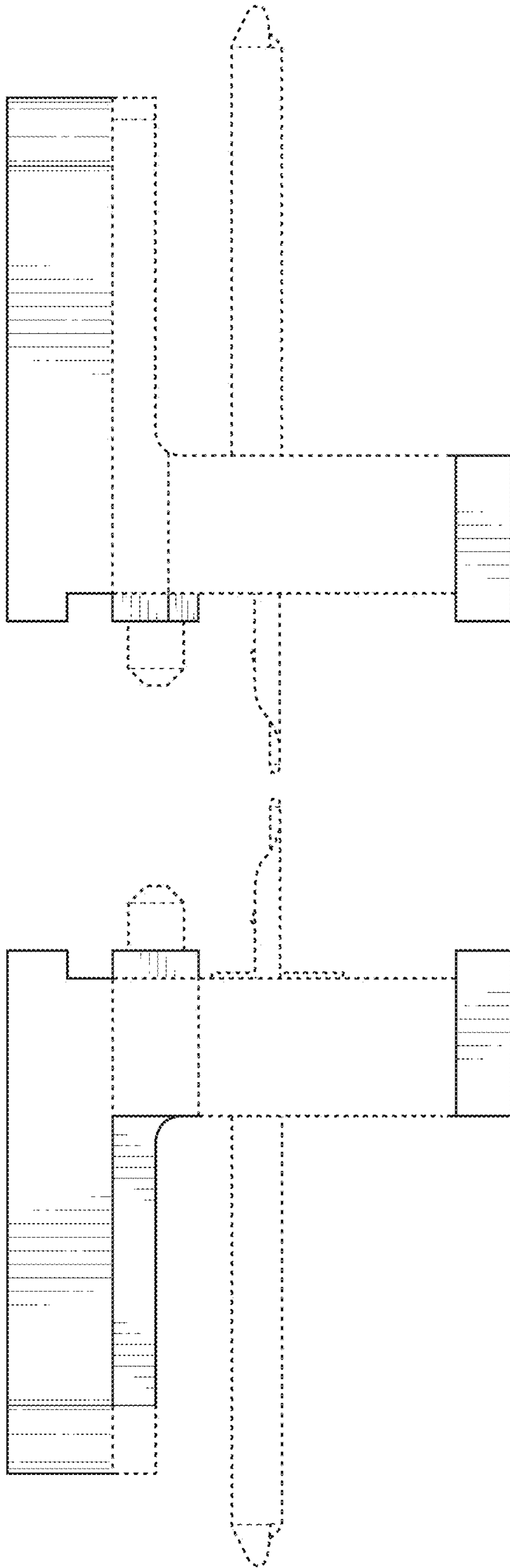


FIG. 70

FIG. 69

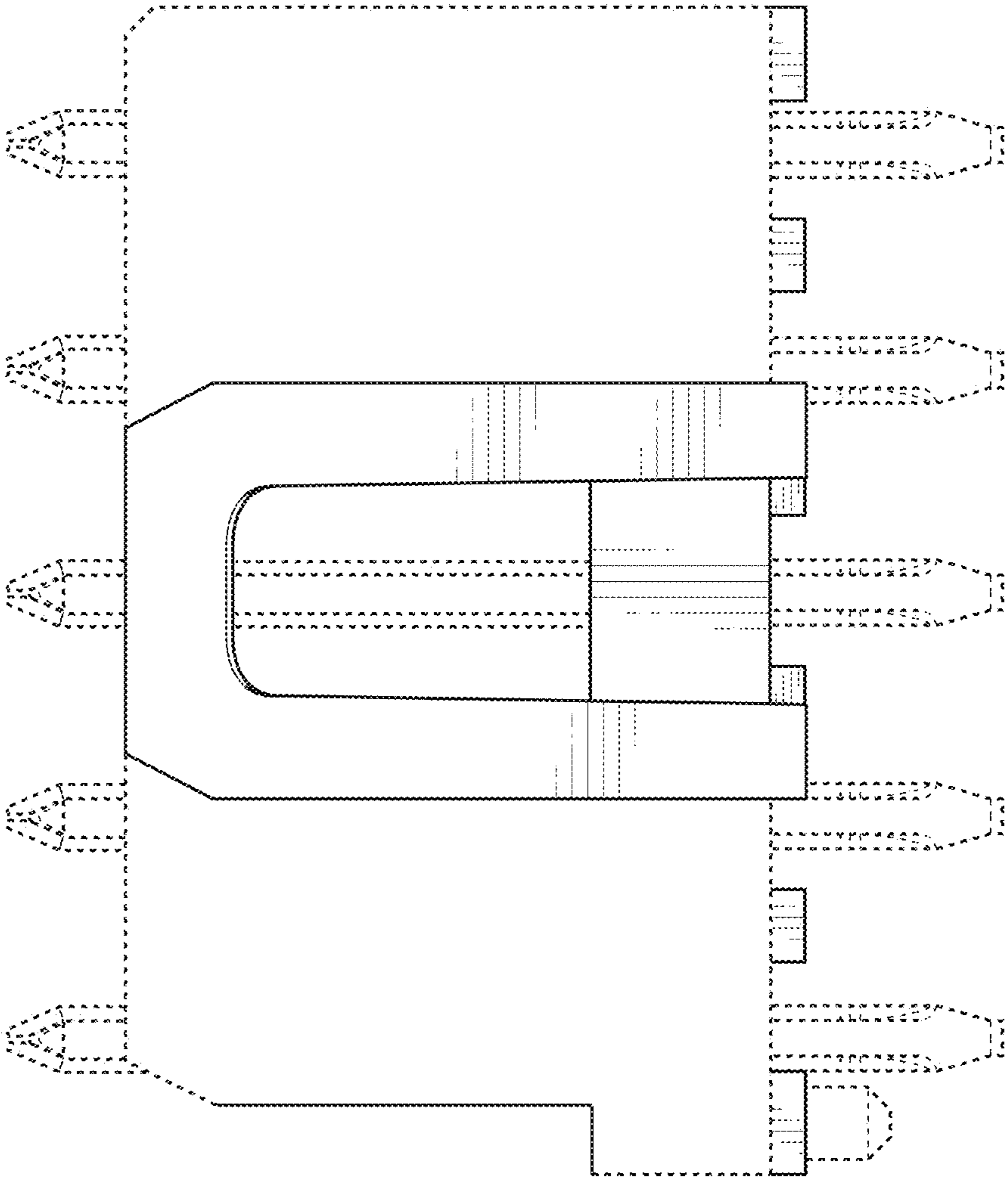


FIG. 71

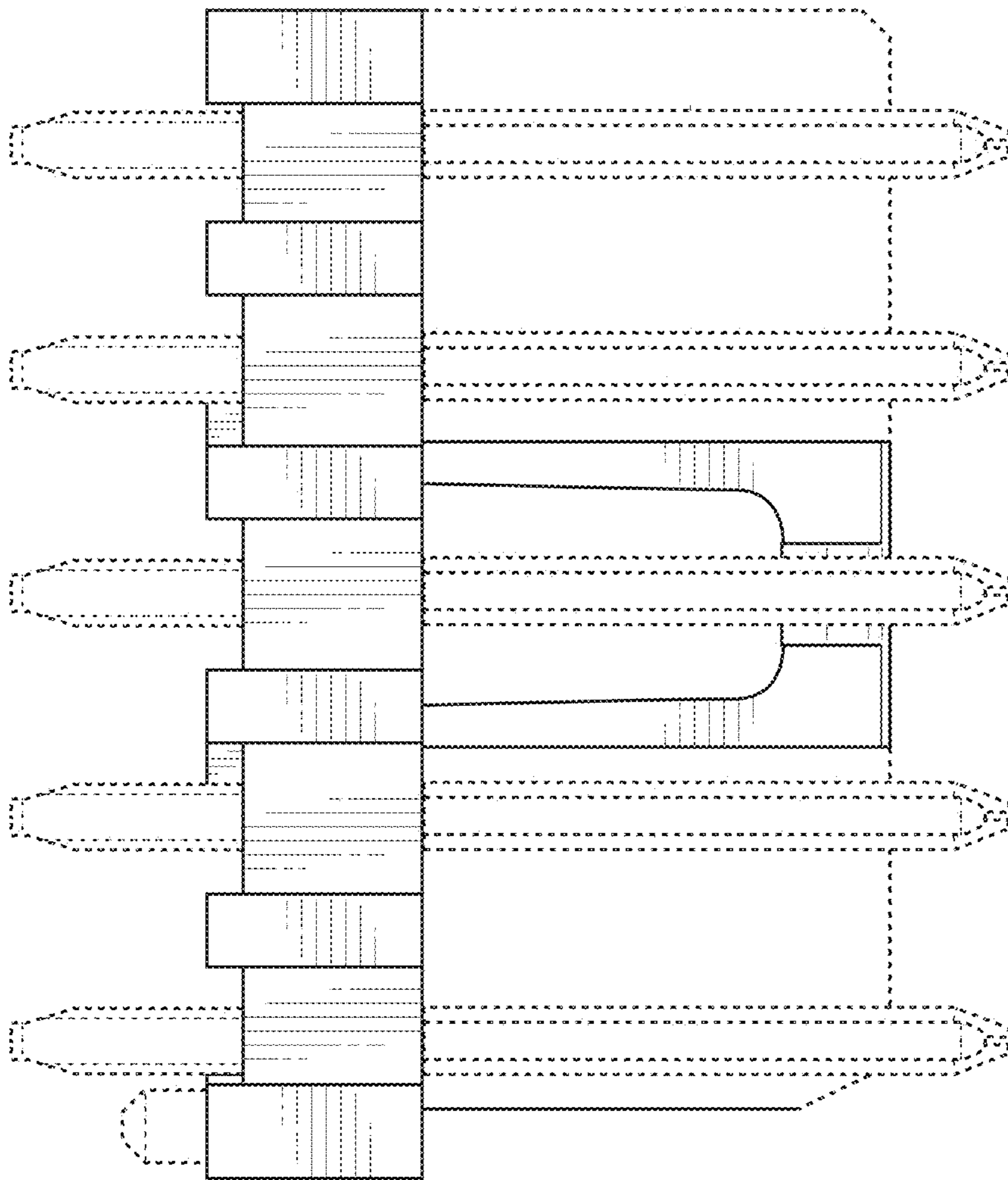


FIG. 72

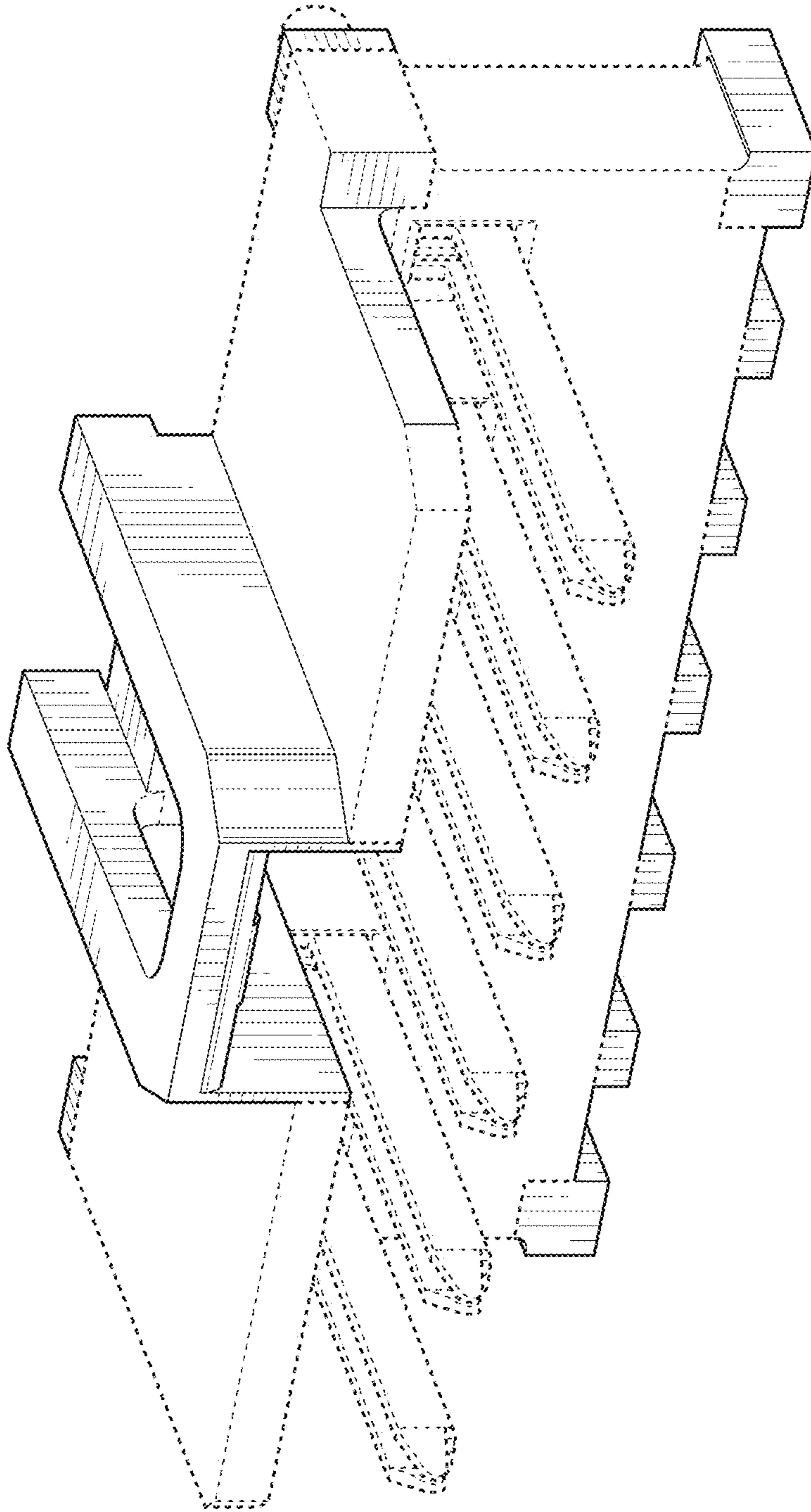


FIG. 73

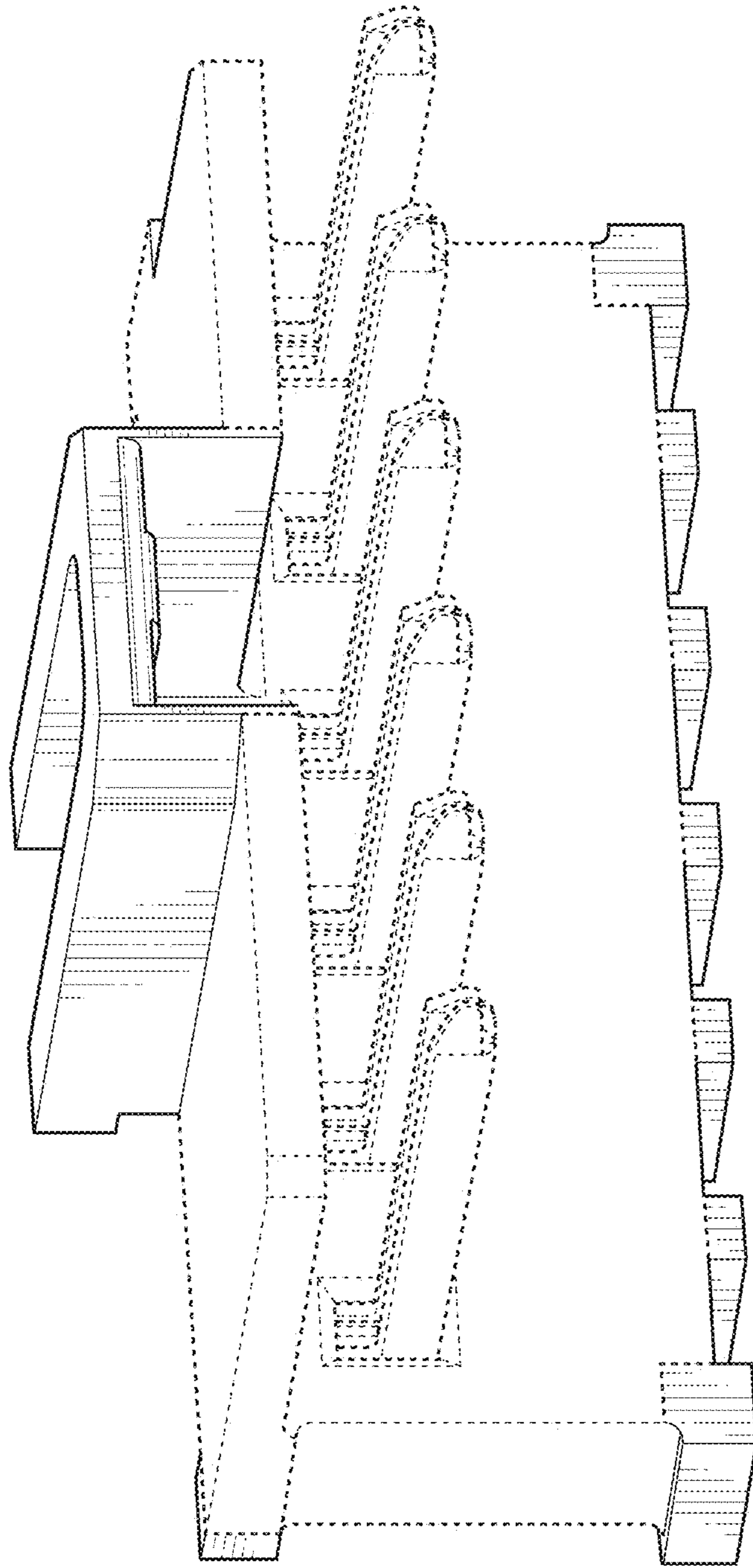


FIG. 74

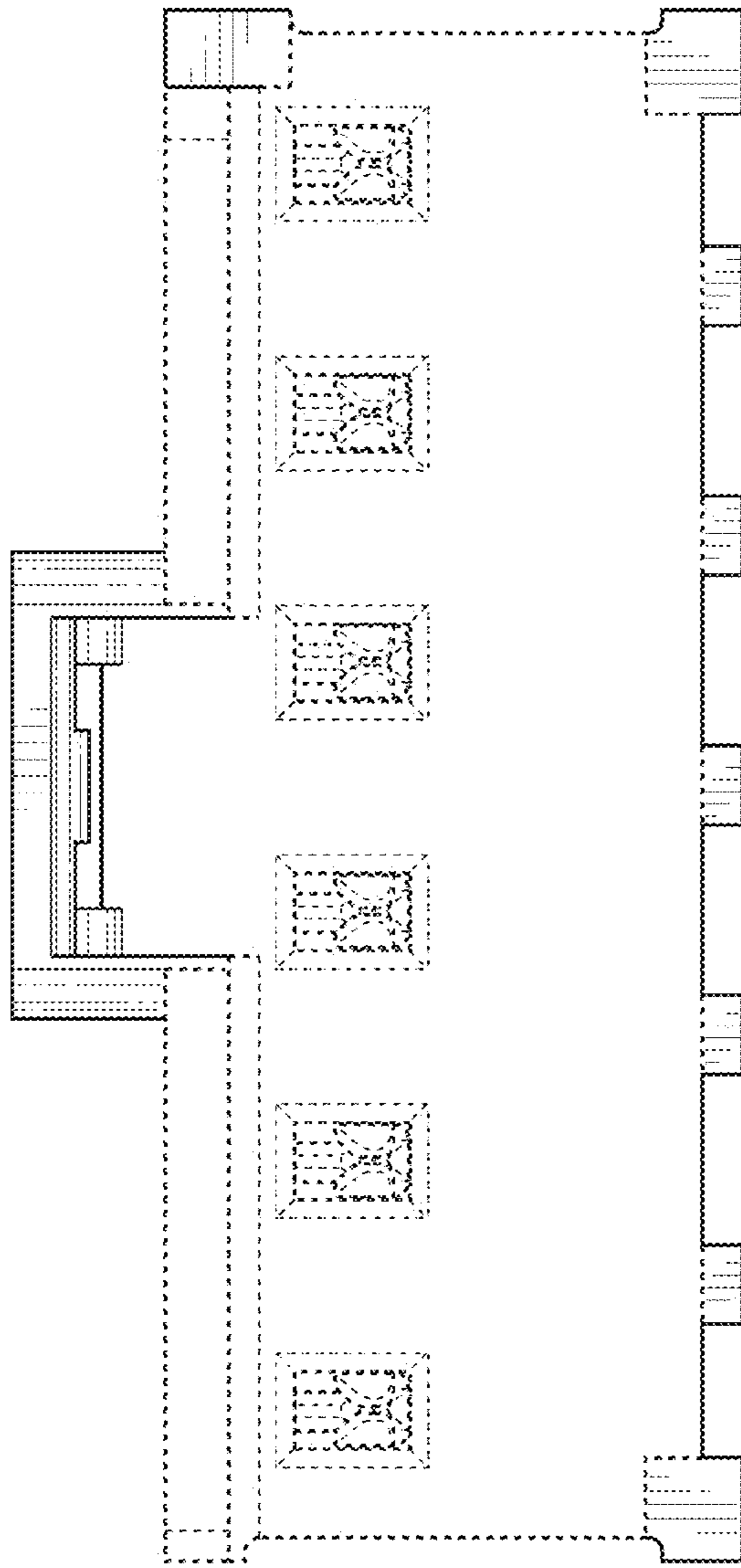


FIG. 75

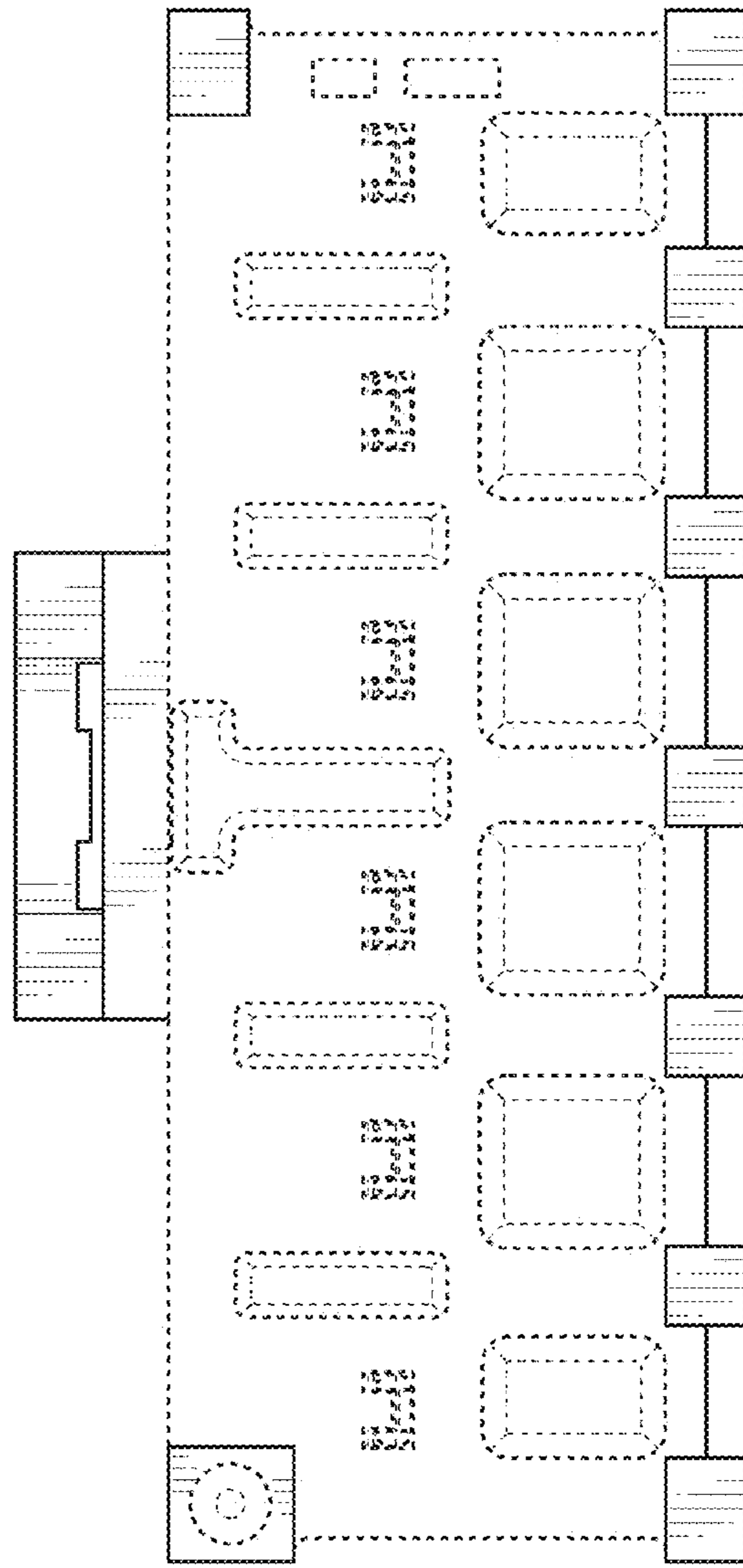


FIG. 76

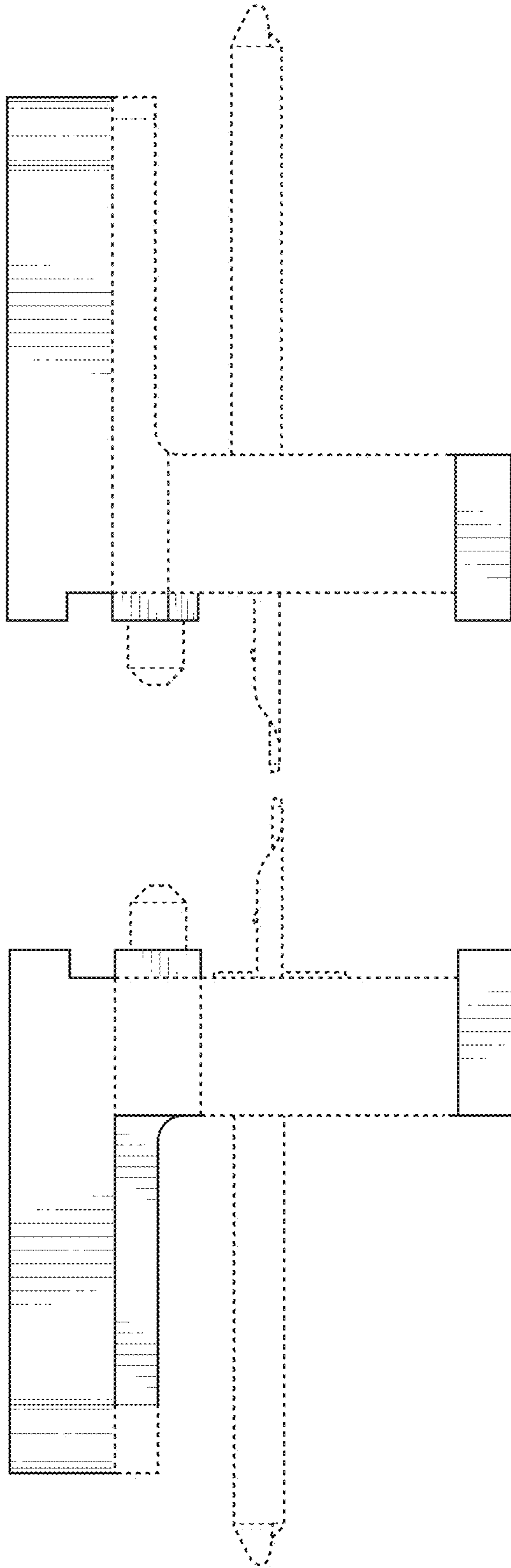


FIG. 78

FIG. 77

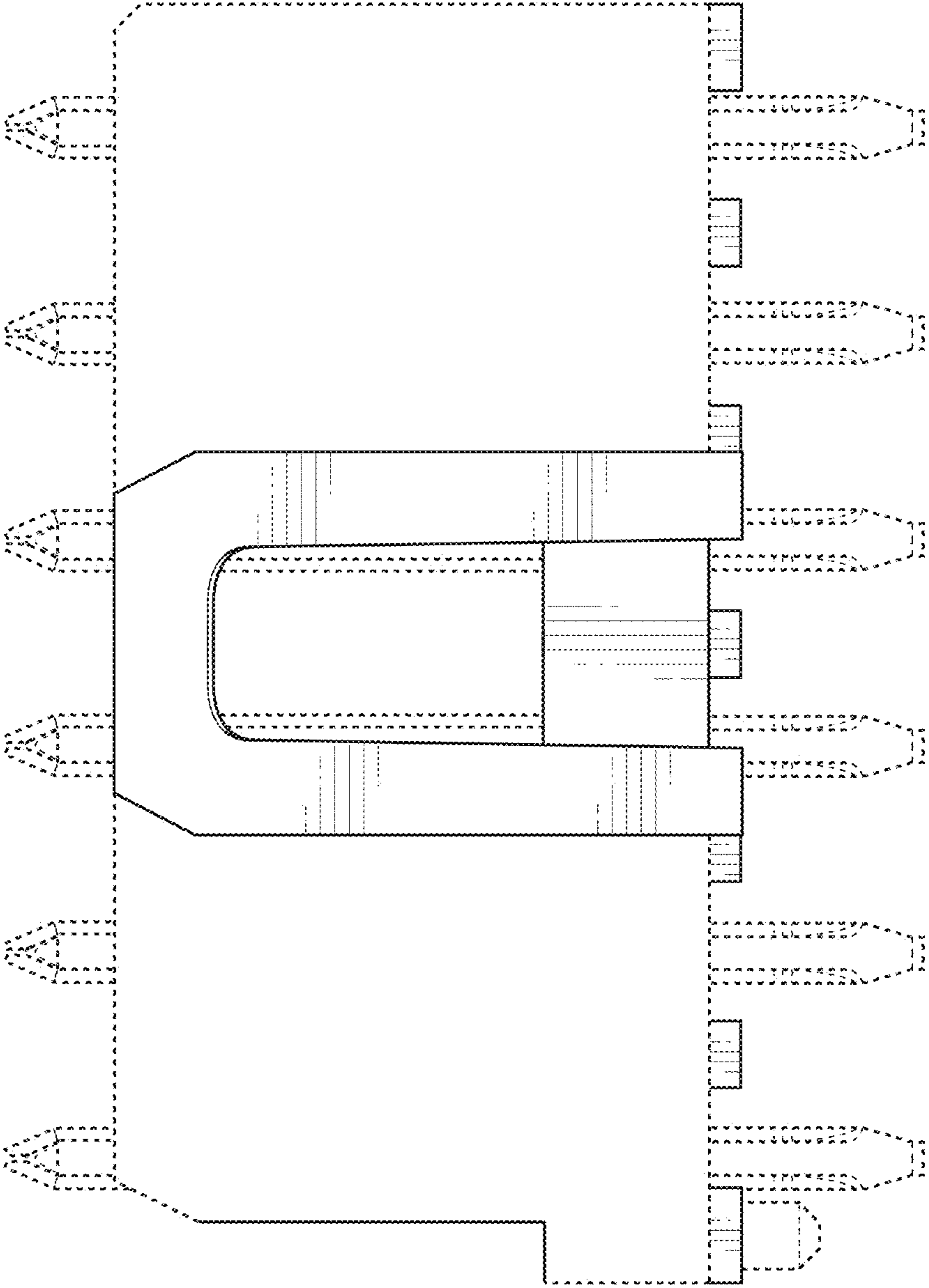


FIG. 79

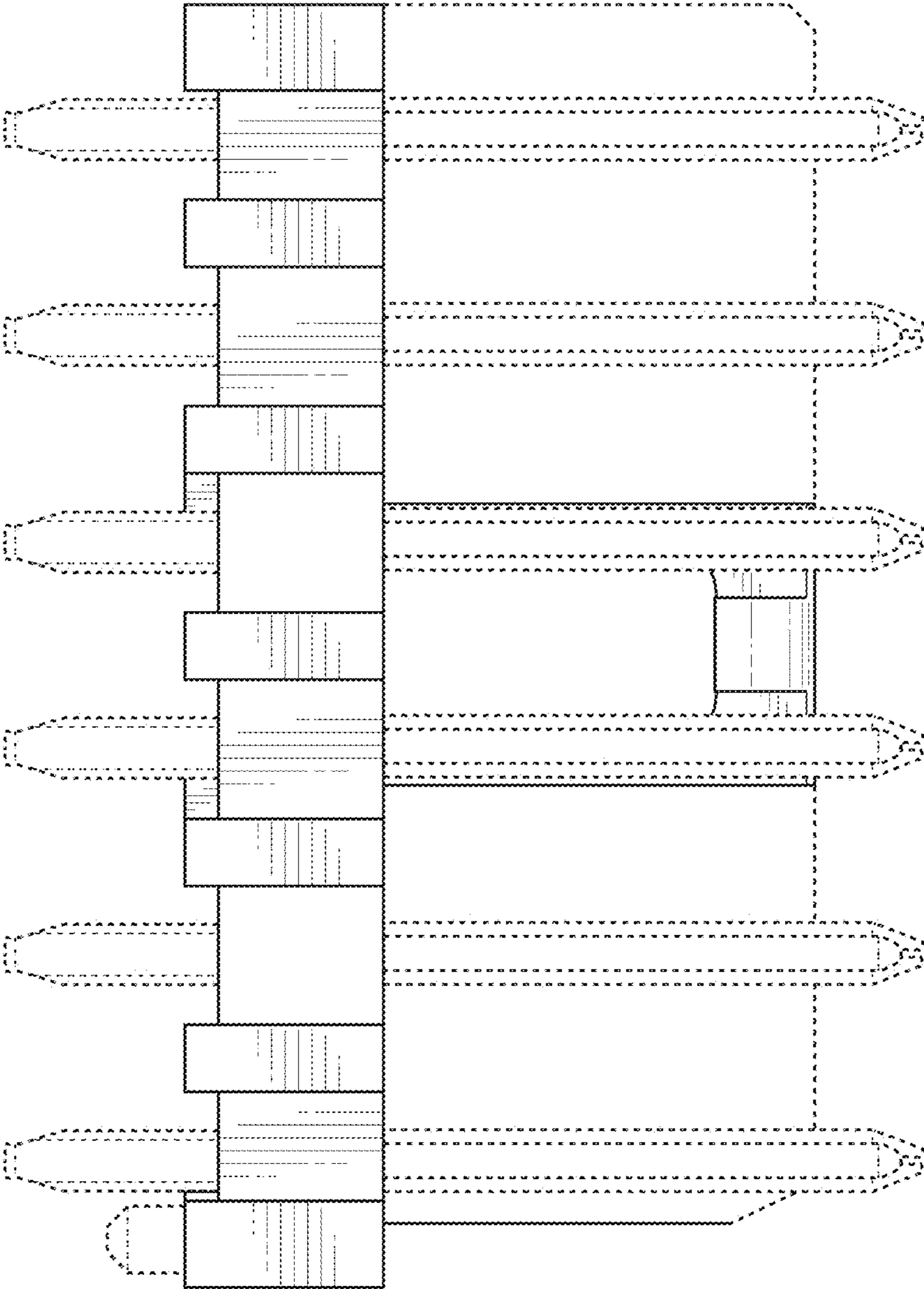


FIG. 80