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

(10) **Patent No.:** **US D860,475 S**
(45) **Date of Patent:** **** Sep. 17, 2019**

(54) **BATTERY SWAPPING STATION**

FOREIGN PATENT DOCUMENTS

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EM 0002735803-0001 * 9/2015
JP D999849 * 3/2001

(Continued)

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(57) **CLAIM**

The ornamental design for a battery swapping station, as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view of a first embodiment of the design;
FIG. 2 is a second perspective view of the first embodiment of the design;
FIG. 3 is a third perspective view of the first embodiment of the design;
FIG. 4 is a fourth perspective view of the first embodiment of the design;
FIG. 5 is a front view of the first embodiment of the design;
FIG. 6 is a rear view of the first embodiment of the design;
FIG. 7 is a left side view of the first embodiment of the design;
FIG. 8 is a right side view of the first embodiment of the design;
FIG. 9 is a top view of the first embodiment of the design;
FIG. 10 is a first perspective view of a second embodiment of the design;
FIG. 11 is a second perspective view of the second embodiment of the design;
FIG. 12 is a third perspective view of the second embodiment of the design;
FIG. 13 is a fourth perspective view of the second embodiment of the design;
FIG. 14 is a front view of the second embodiment of the design;
FIG. 15 is a rear view of the second embodiment of the design;
FIG. 16 is a left side view of the second embodiment of the design;

(73) Assignee: **NIO NEXTEV LIMITED**, Hong Kong (CN)

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

(21) Appl. No.: **29/644,975**

(22) Filed: **Apr. 23, 2018**

(30) **Foreign Application Priority Data**

Oct. 23, 2017 (CN) 2017 3 0506696

(51) **LOC (12) Cl.** **25-03**

(52) **U.S. Cl.**
USPC **D25/34**

(58) **Field of Classification Search**
USPC D25/1, 3-35, 56, 61

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D86,691 S * 4/1932 Wagoner D25/34
D88,255 S * 11/1932 Pflueger D25/34

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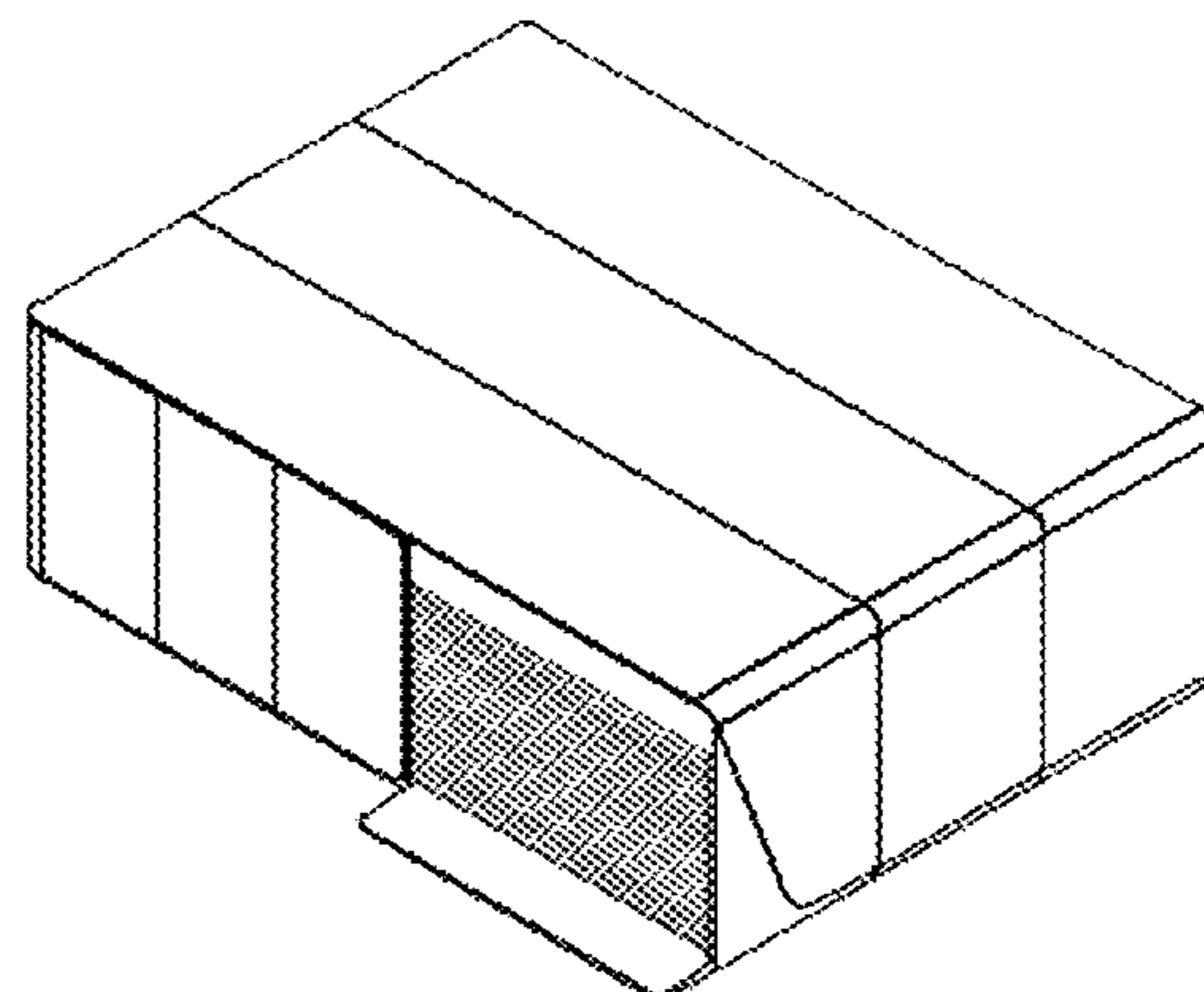
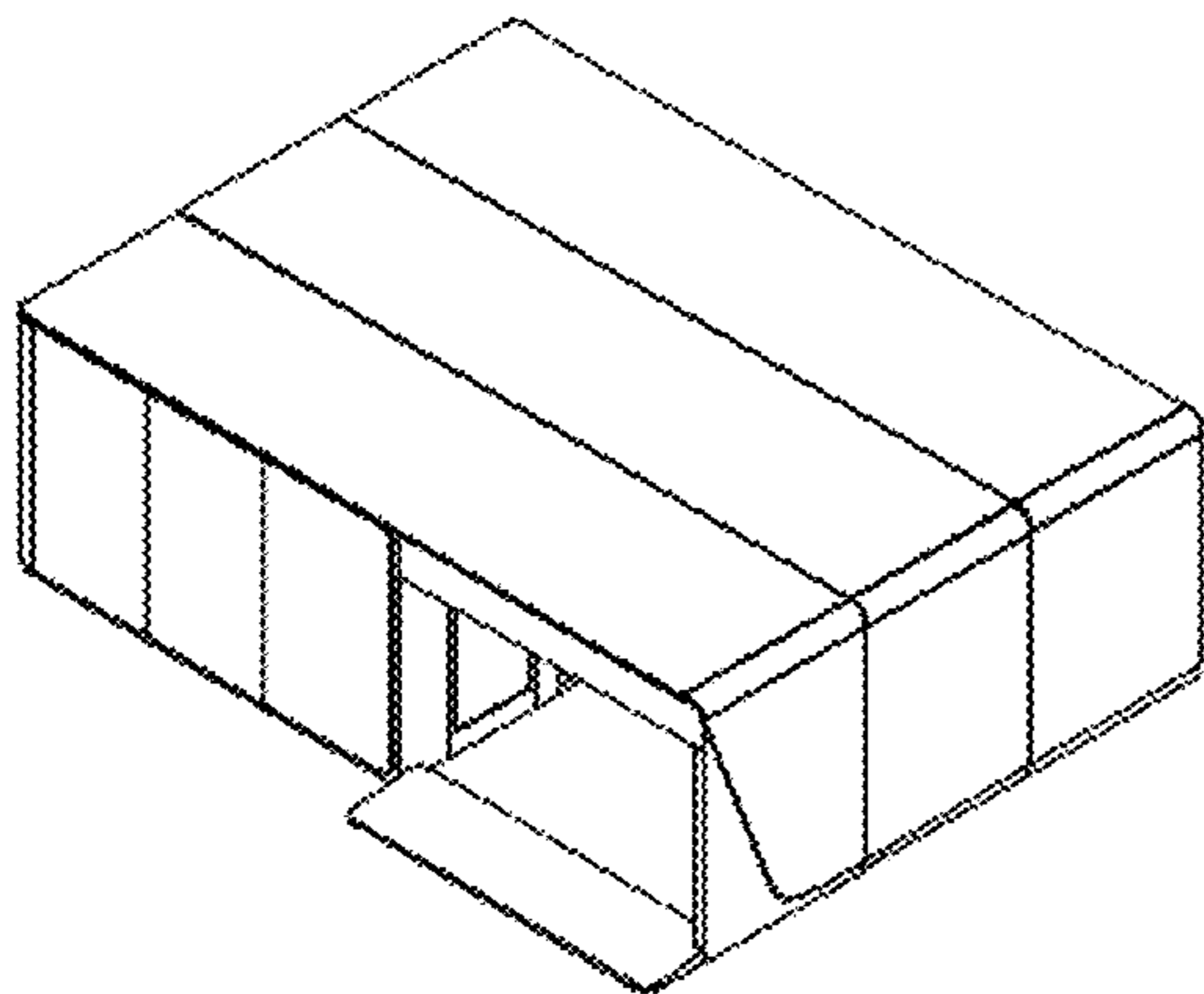


FIG. 17 is a right side view of the second embodiment of the design;
 FIG. 18 is a top view of the second embodiment of the design;
 FIG. 19 is a first perspective view of a third embodiment of the design;
 FIG. 20 is a second perspective view of the third embodiment of the design;
 FIG. 21 is a third perspective view of the third embodiment of the design;
 FIG. 22 is a fourth perspective view of the third embodiment of the design;
 FIG. 23 is a front view of the third embodiment of the design;
 FIG. 24 is a rear view of the third embodiment of the design;
 FIG. 25 is a left side view of the third embodiment of the design;
 FIG. 26 is a right side view of the third embodiment of the design; and,
 FIG. 27 is a top view of the third embodiment of the design.

1 Claim, 12 Drawing Sheets

(58) **Field of Classification Search**
 CPC E04H 1/00-1277; E04H 2001/1283; E04H

5/00-08; E04H 9/00; E04H 9/04-16;
 E04H 6/02-06; E04B 1/24

See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

D105,340	S	*	7/1937	Munson	.....	D25/34
3,245,183	A	*	4/1966	Tessin II	.....	E04H 1/005 52/243
3,461,633	A	*	8/1969	Ziegelman	.....	E04B 1/24 D25/35
D257,538	S	*	11/1980	Berman	.....	D25/33
D257,887	S	*	1/1981	Klarman	.....	D25/33
D317,047	S	*	5/1991	Poelvoorde	.....	D25/34
D349,349	S	*	8/1994	Goldberg	.....	D25/34
D631,559	S	*	1/2011	Gibson	.....	D25/33
D708,349	S	*	7/2014	Yoder	.....	D25/33
D739,556	S	*	9/2015	Yoder	.....	D25/33
D780,937	S	*	3/2017	Barbosa	.....	D25/33
D812,249	S	*	3/2018	Jimenez Rivera	.....	D25/32
2015/0322686	A1	*	11/2015	Harper	.....	E04B 1/24 52/481.1

FOREIGN PATENT DOCUMENTS

JP		D1567795	*	1/2017
KR		300945154.0000	*	2/2018

* cited by examiner

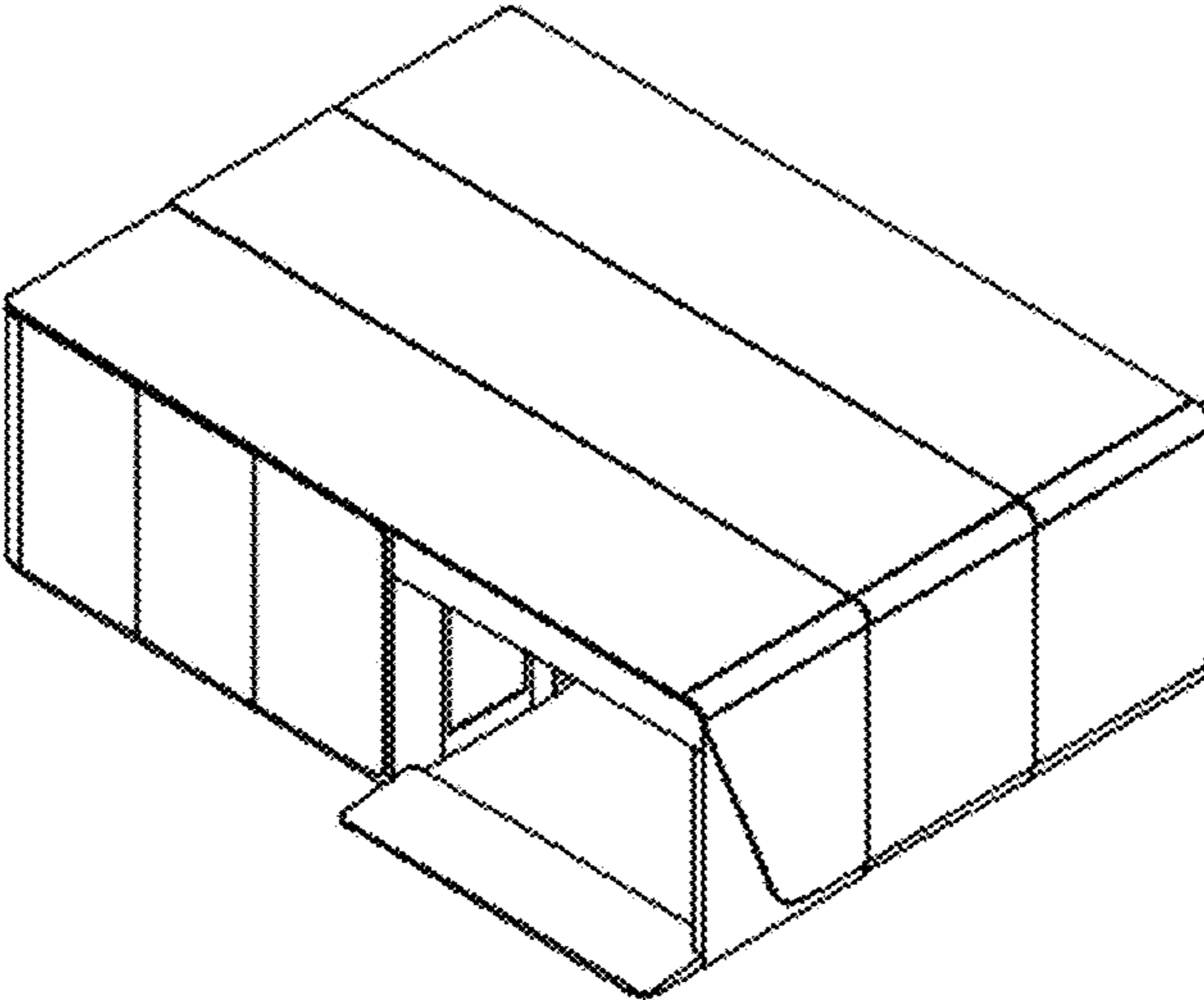


Fig.1

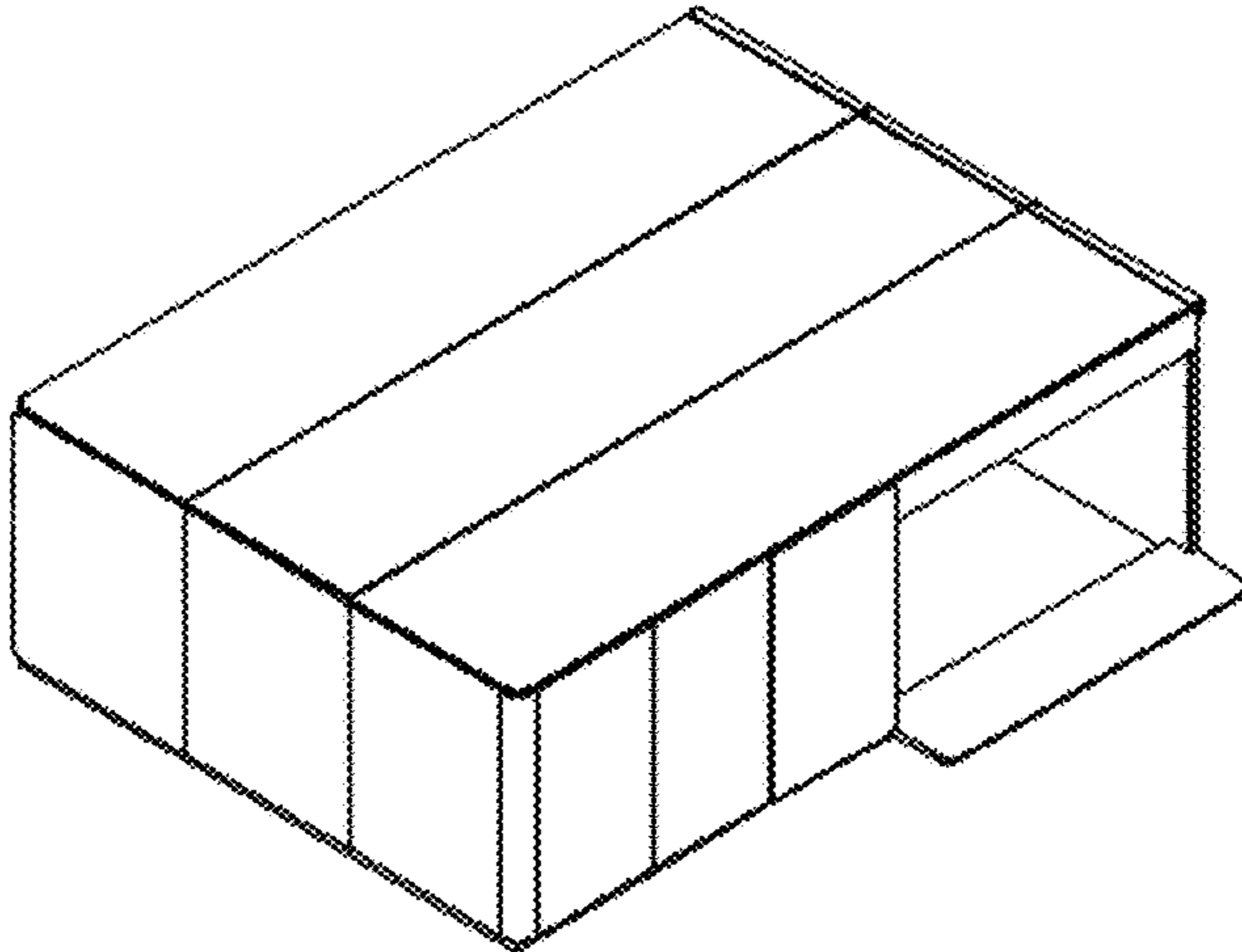


Fig.2

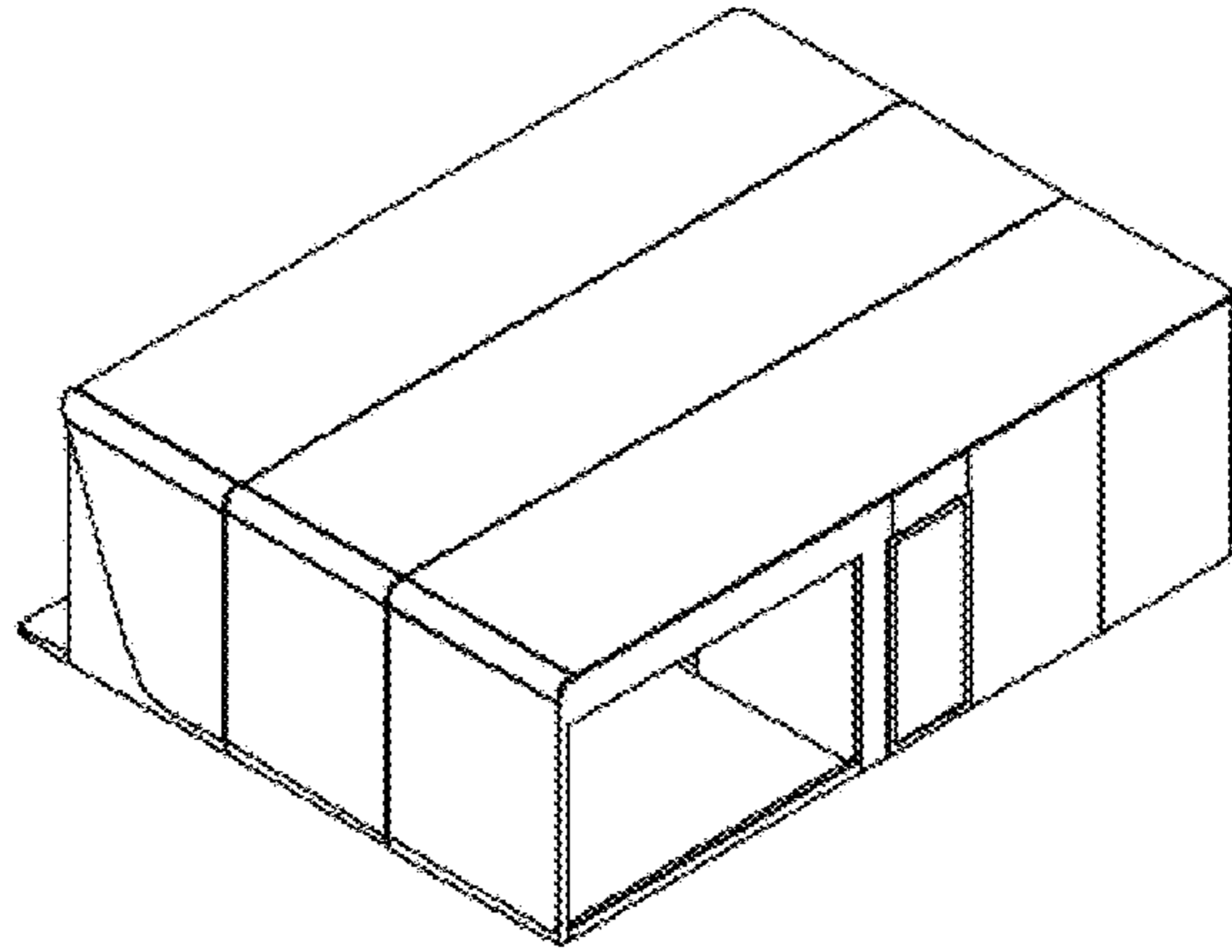


Fig.3

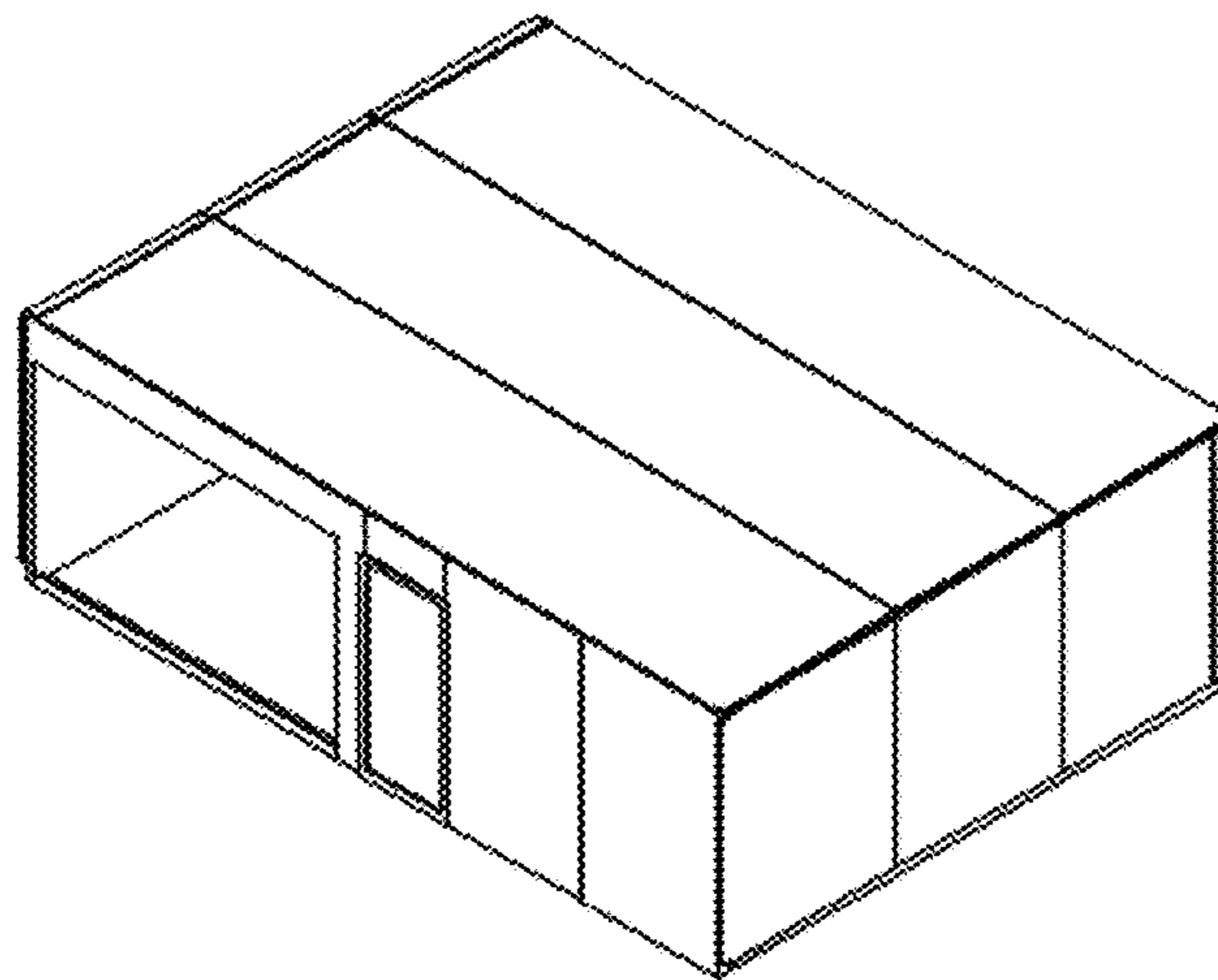


Fig.4

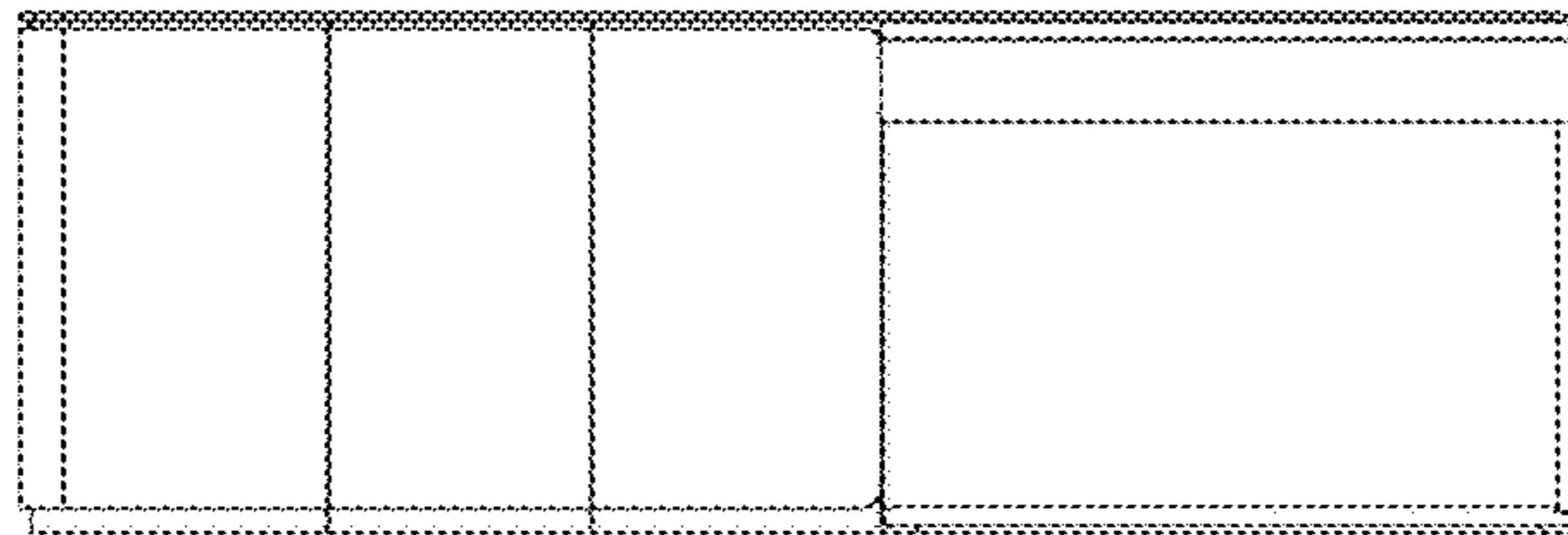


Fig.5

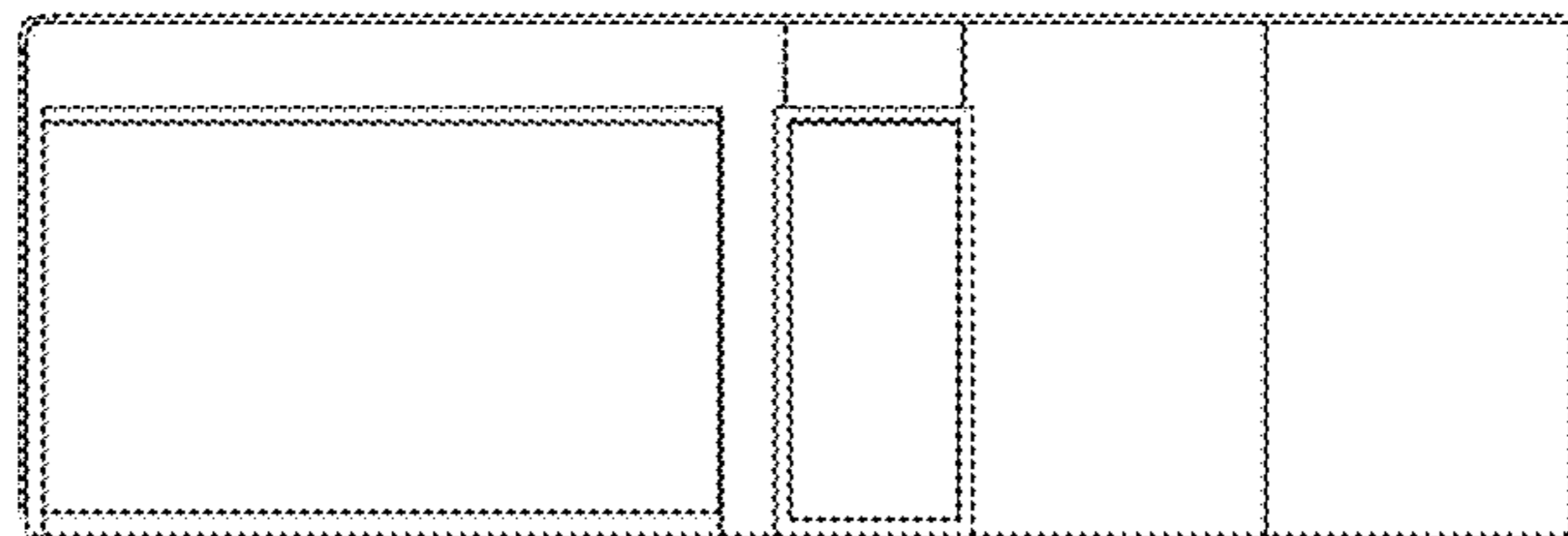


Fig.6

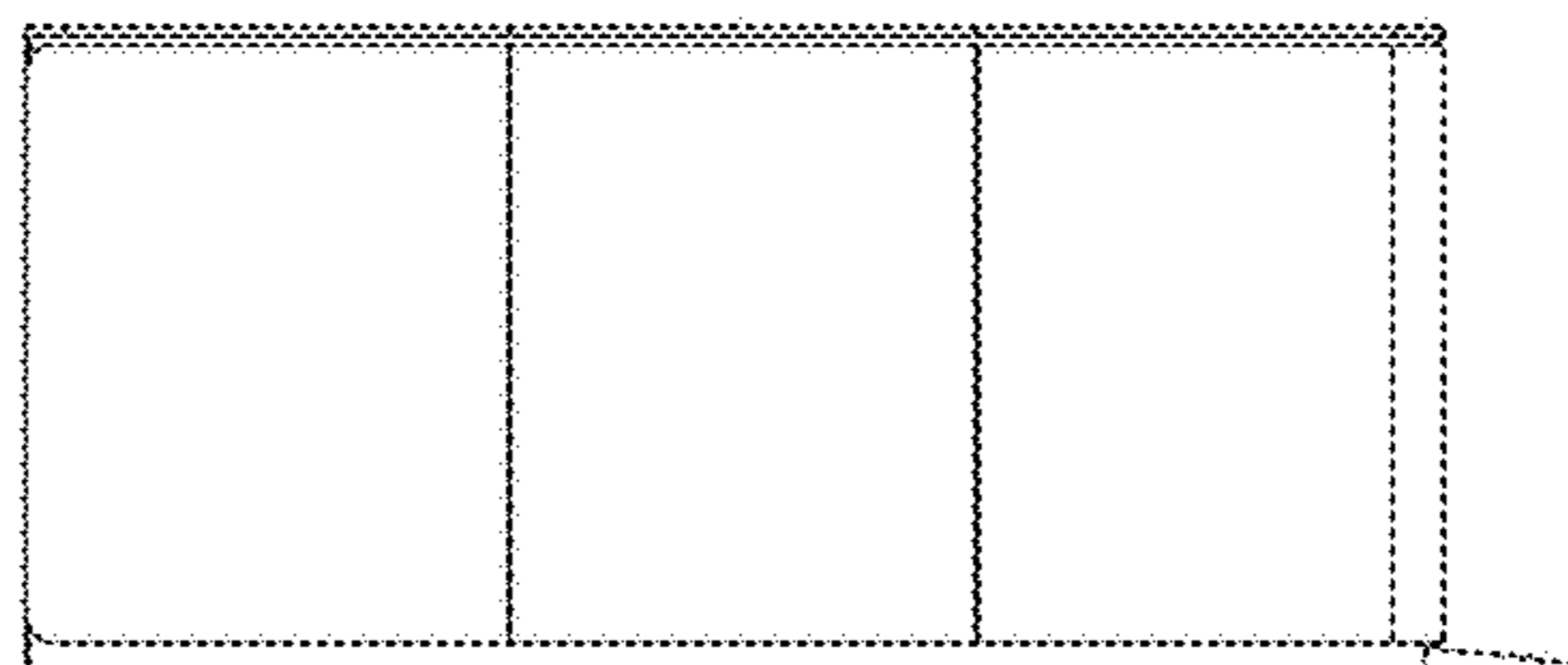


Fig.7

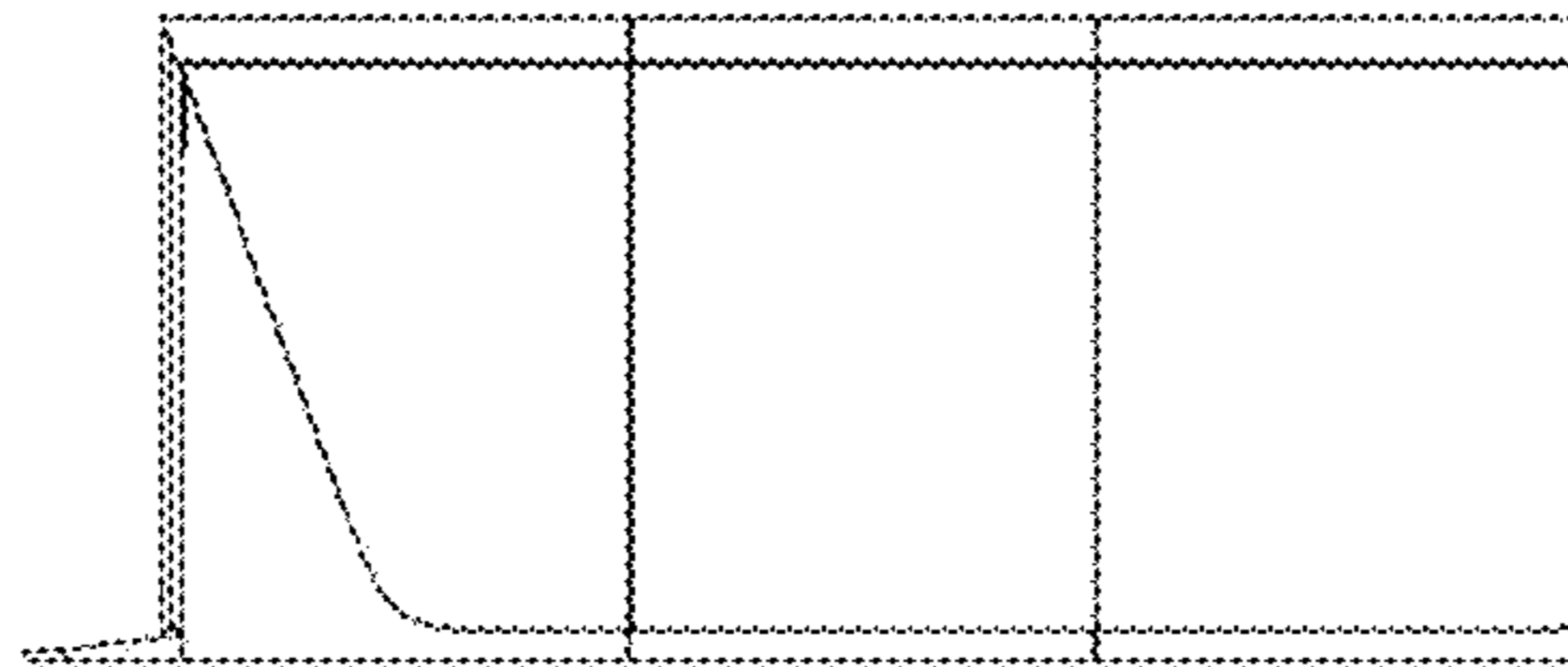


Fig.8

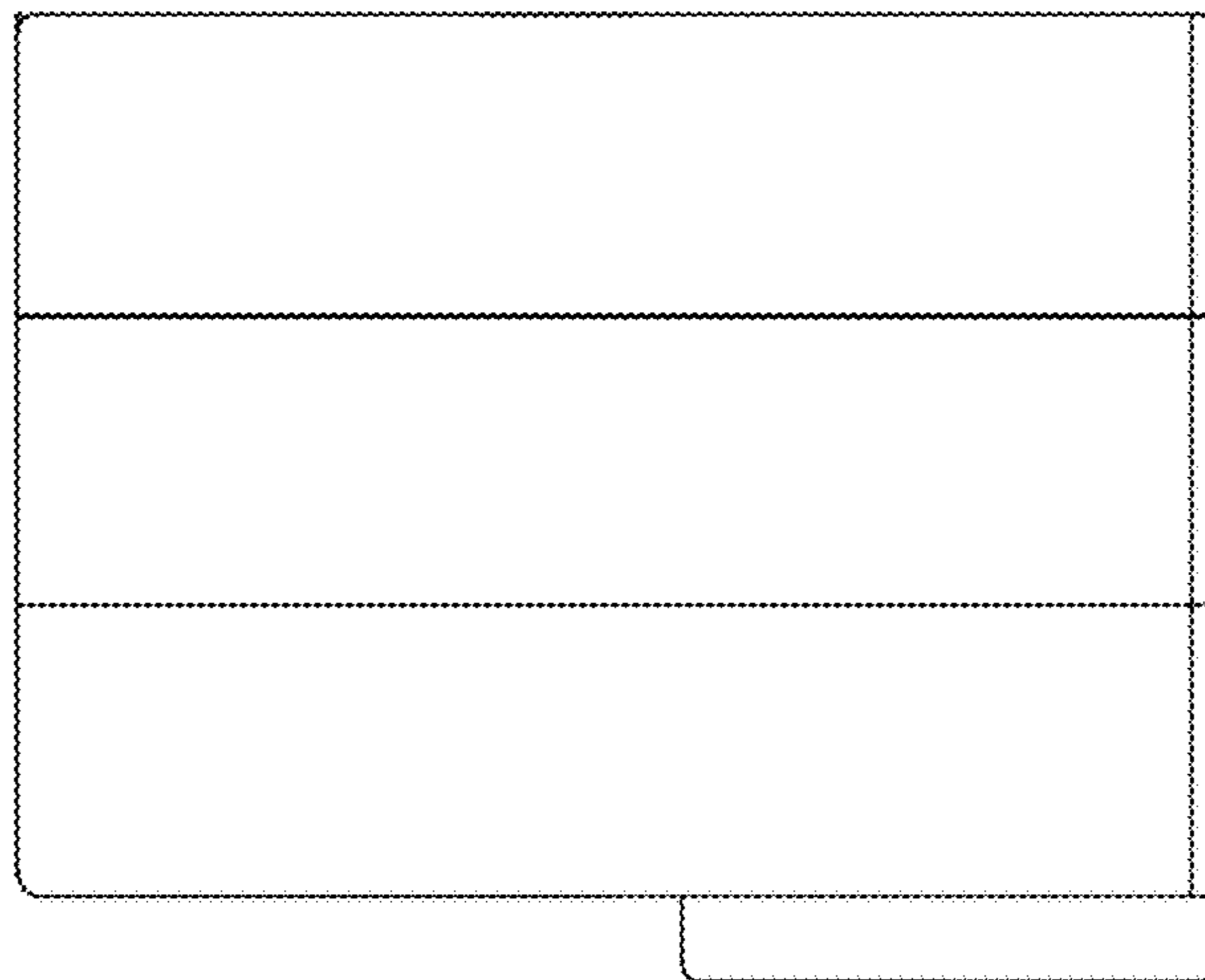


Fig.9

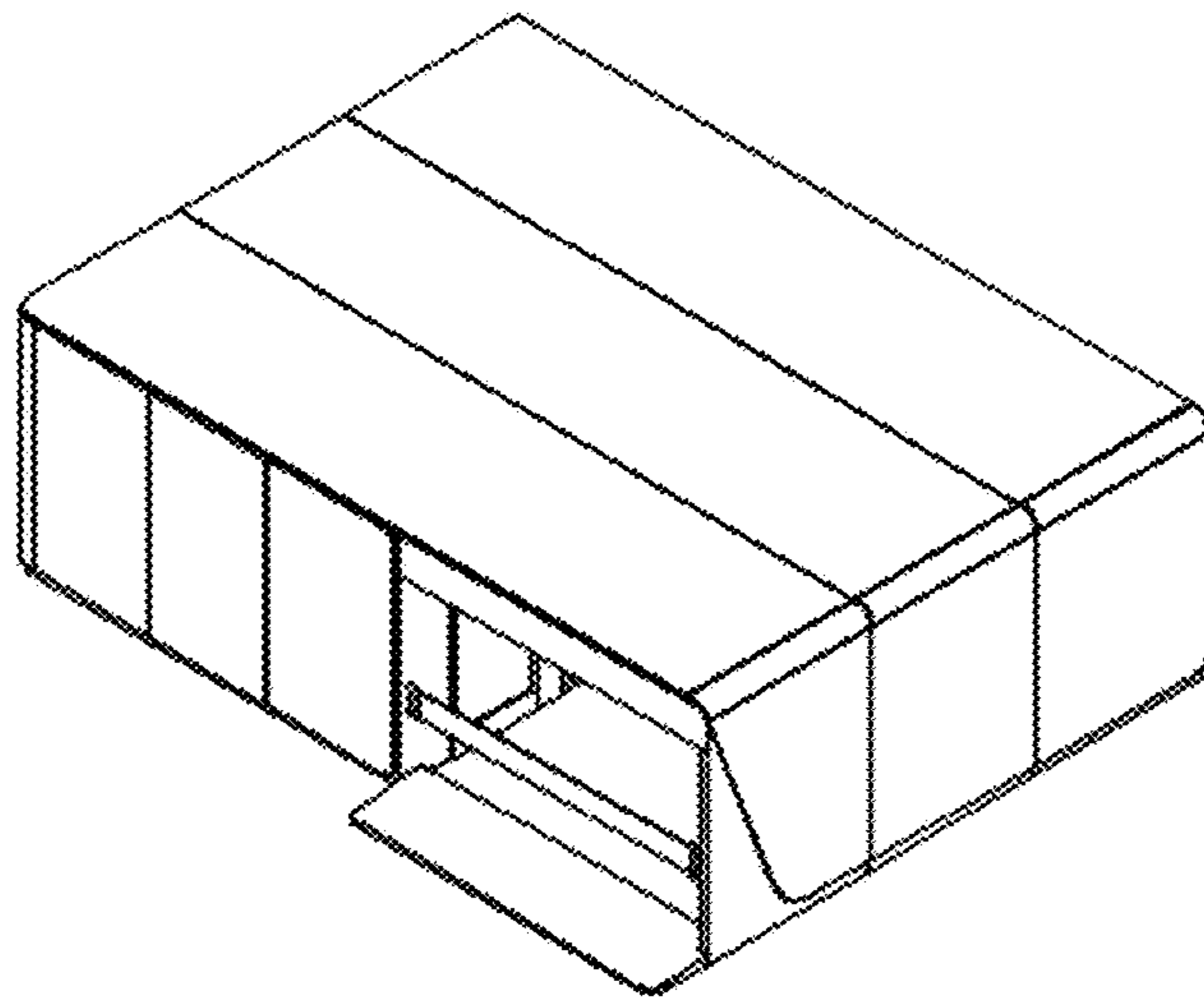


Fig.10

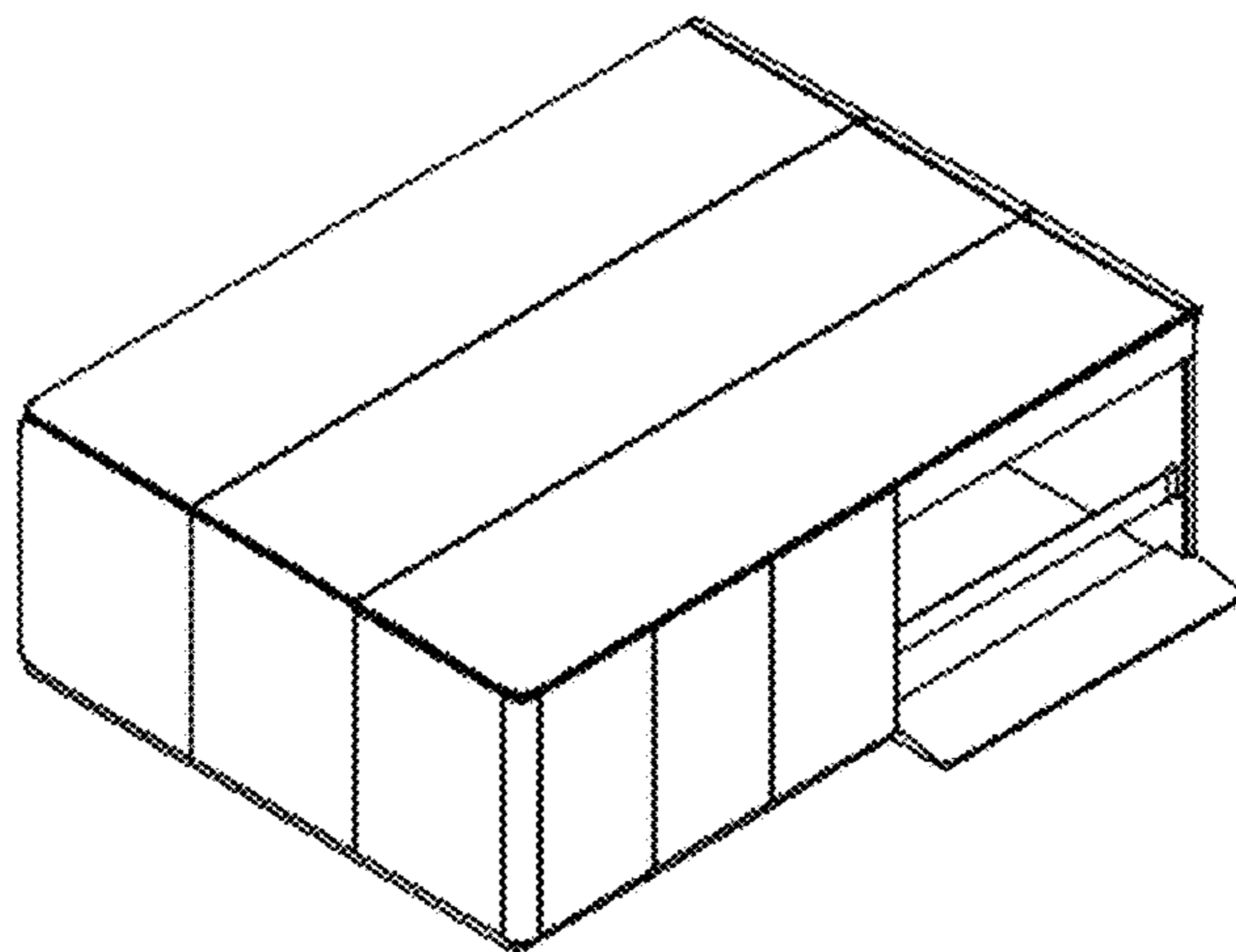


Fig.11

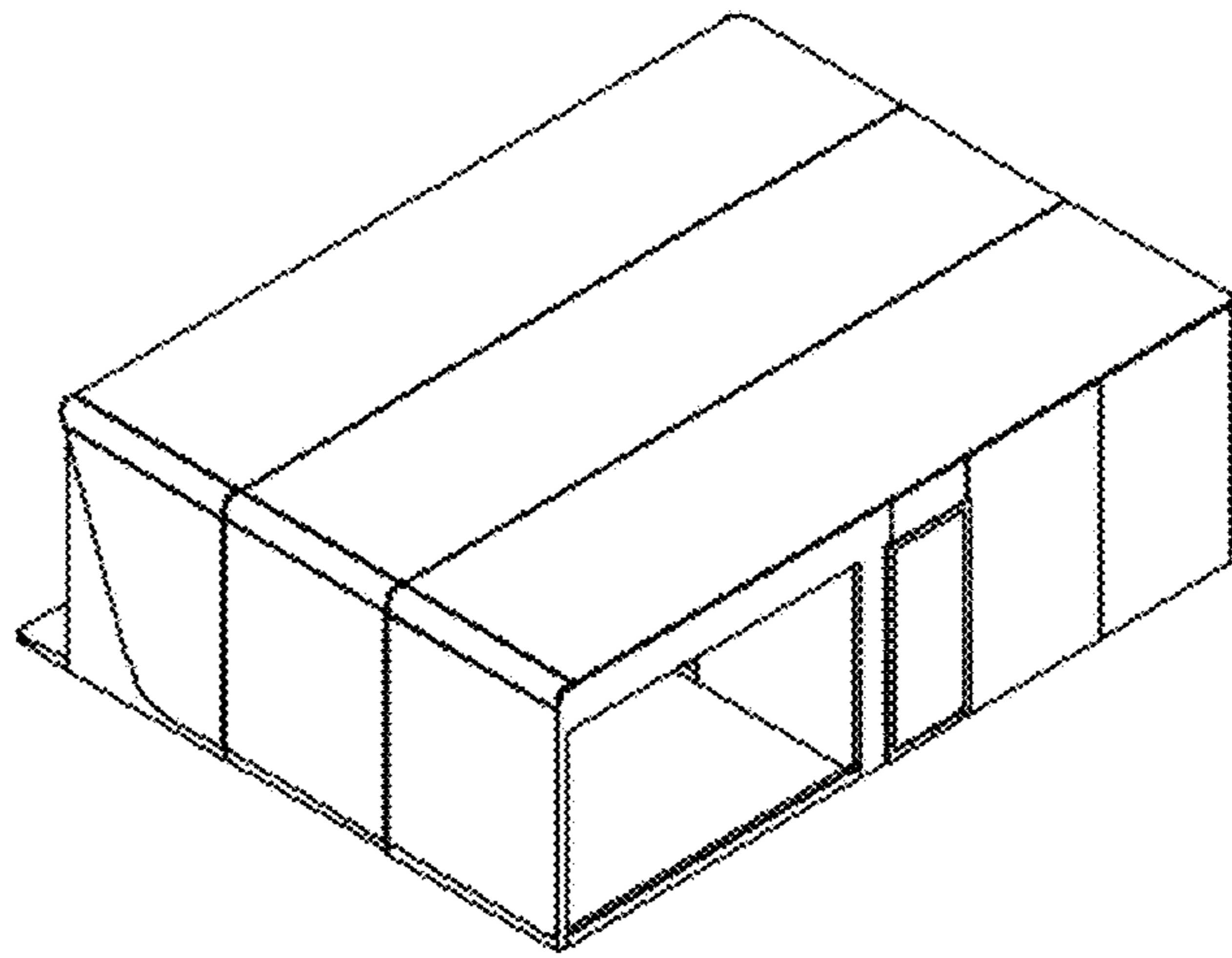


Fig.12

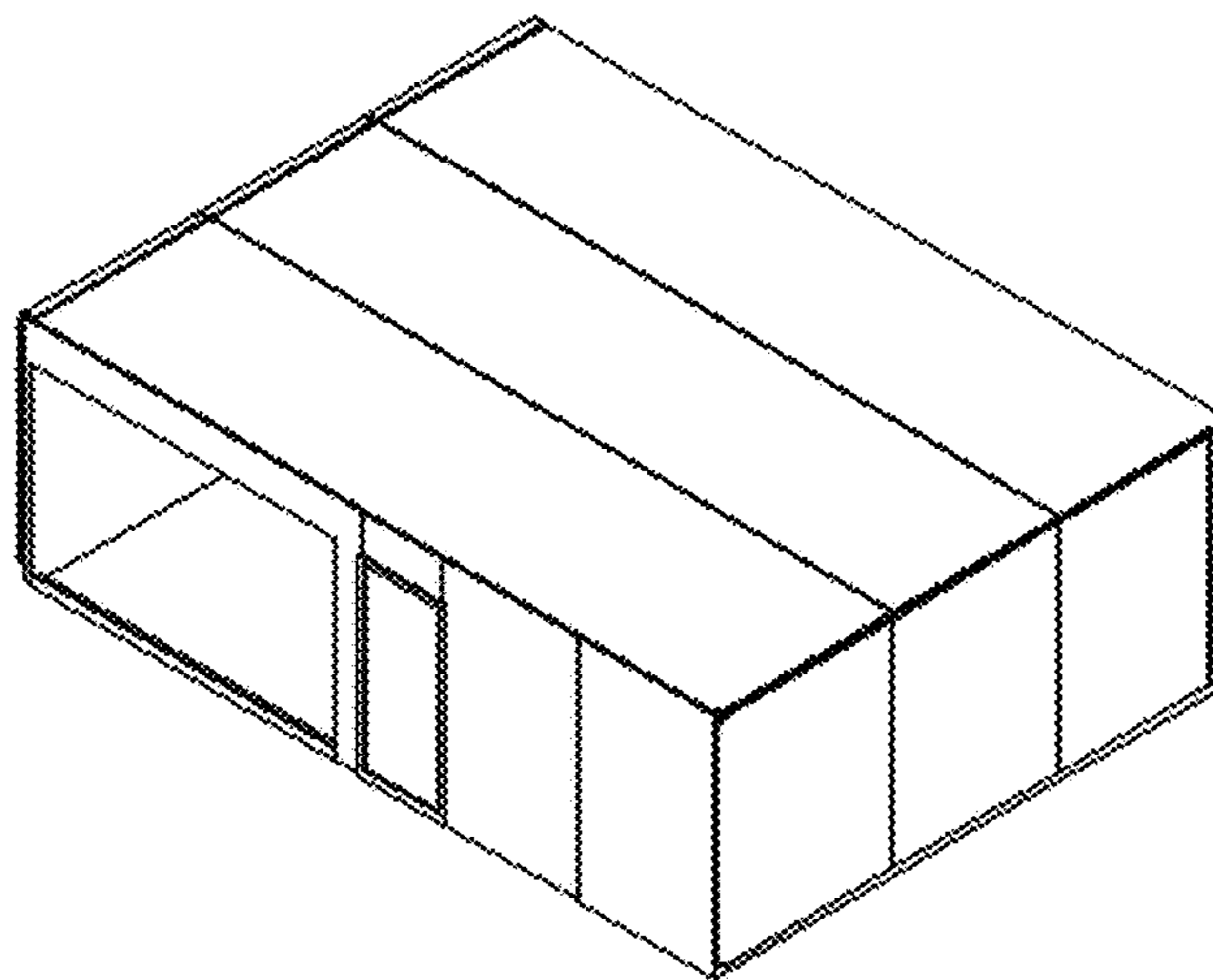


Fig.13

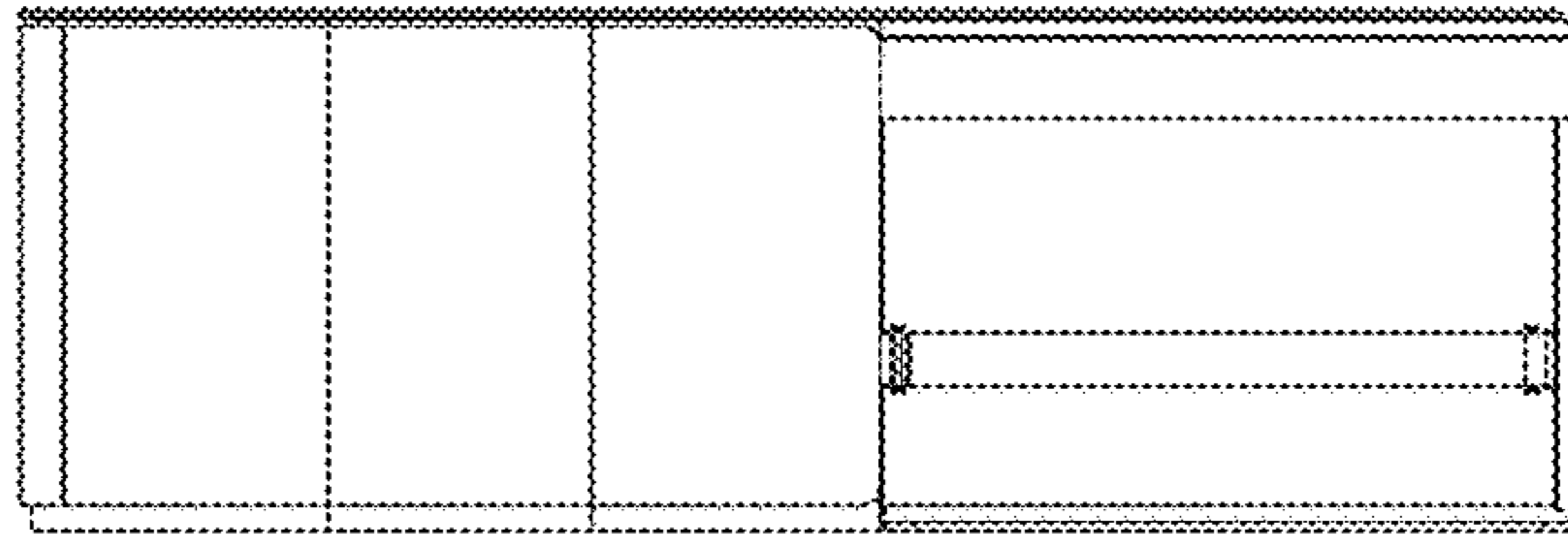


Fig.14

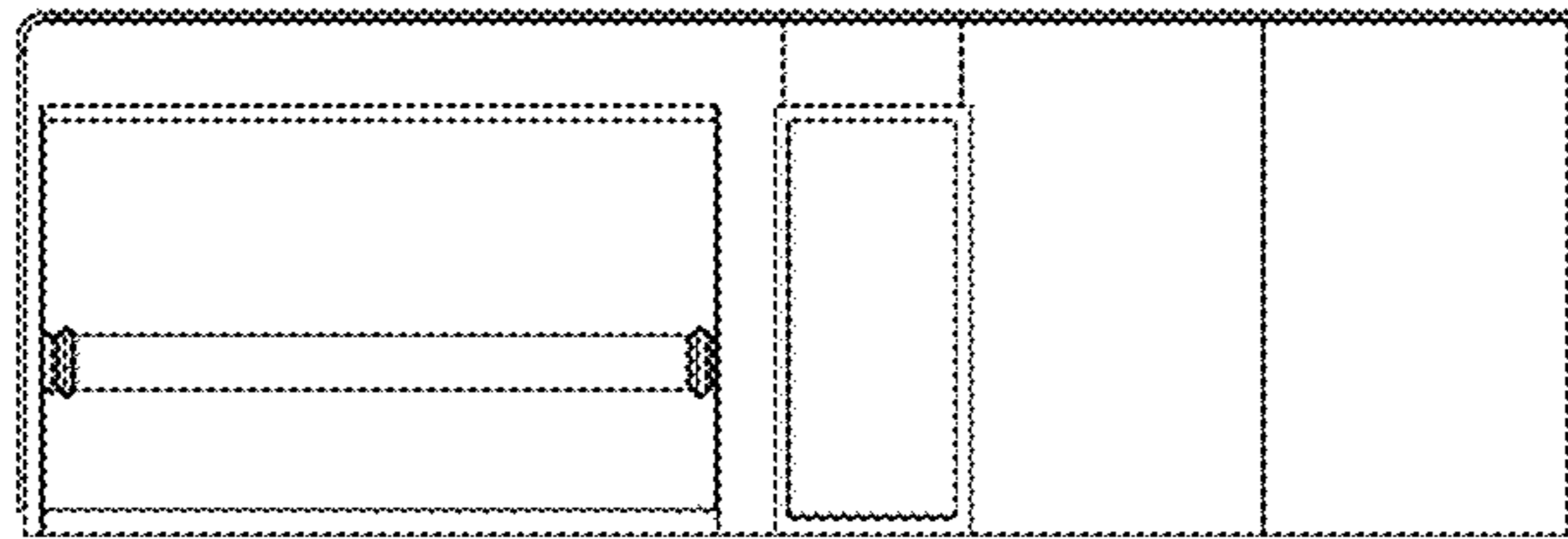


Fig.15

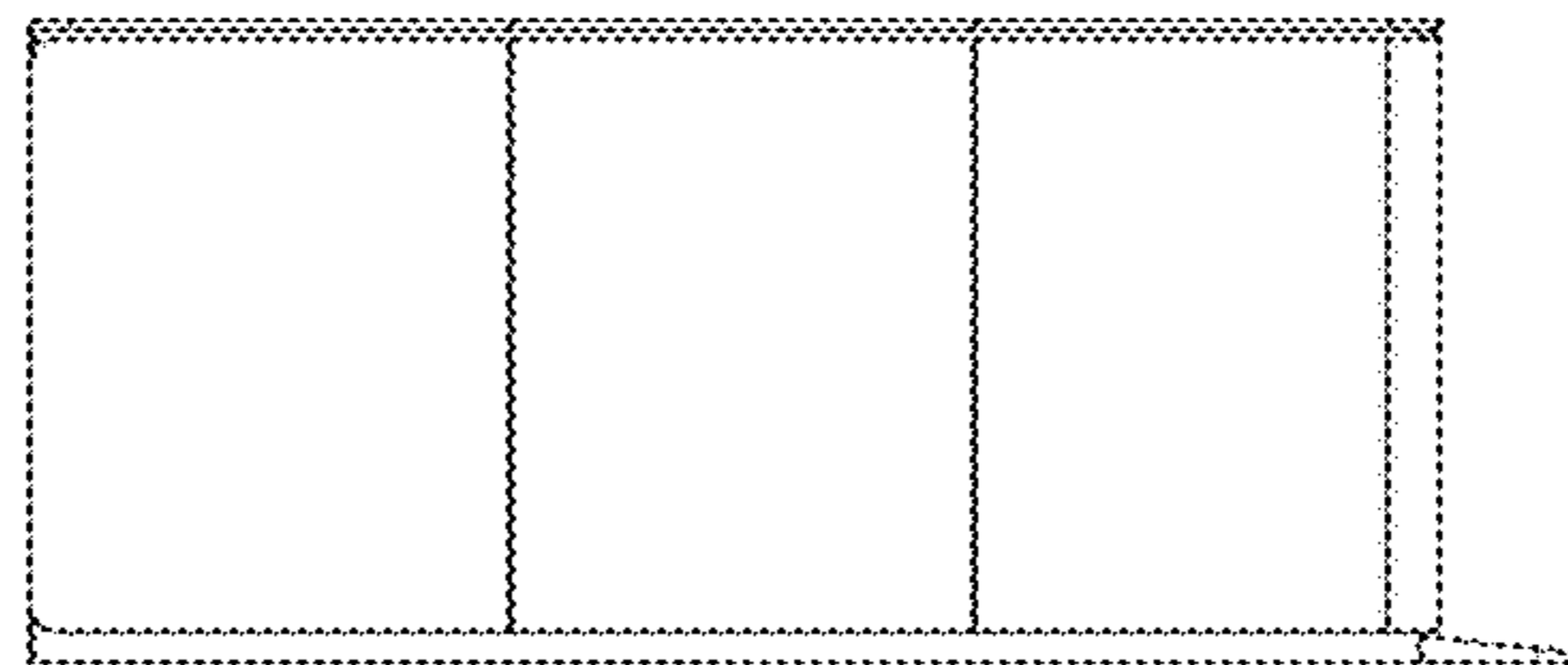


Fig.16

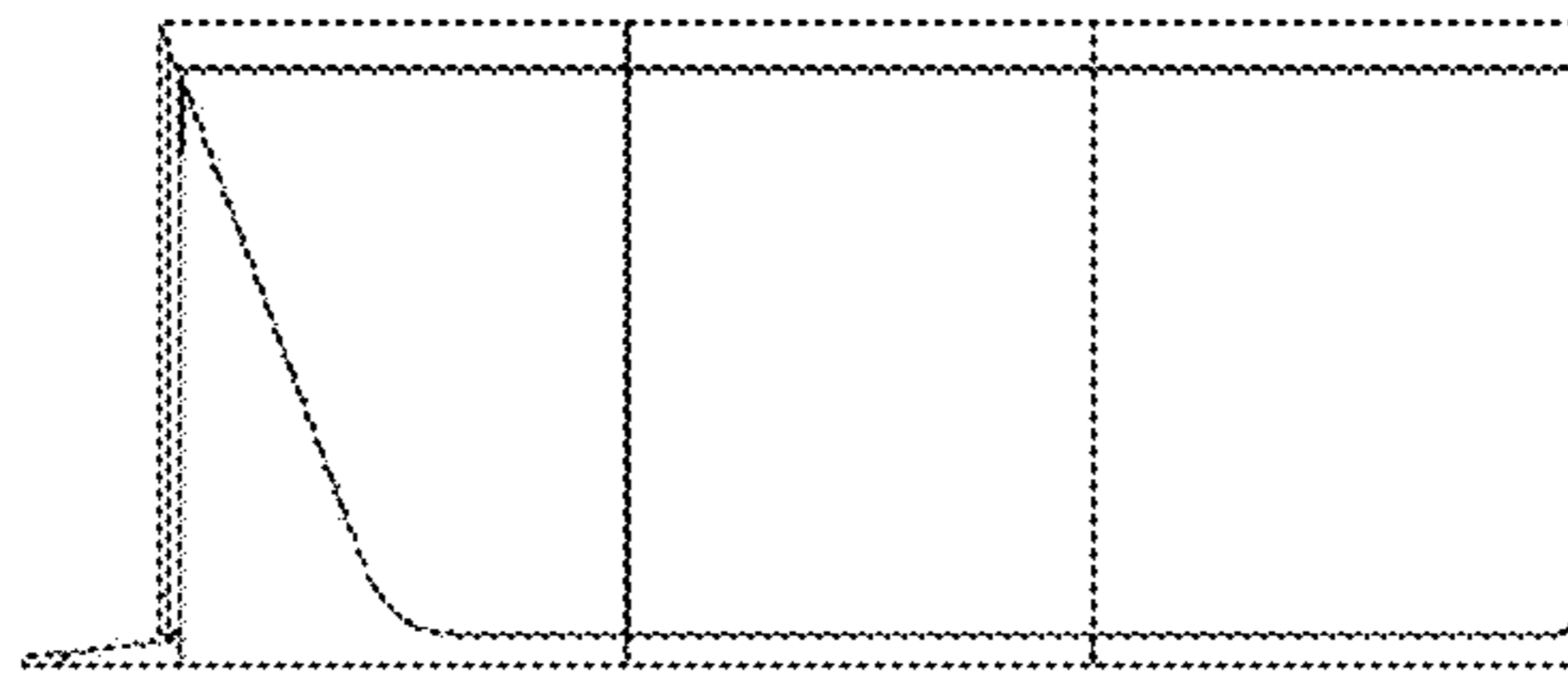


Fig.17

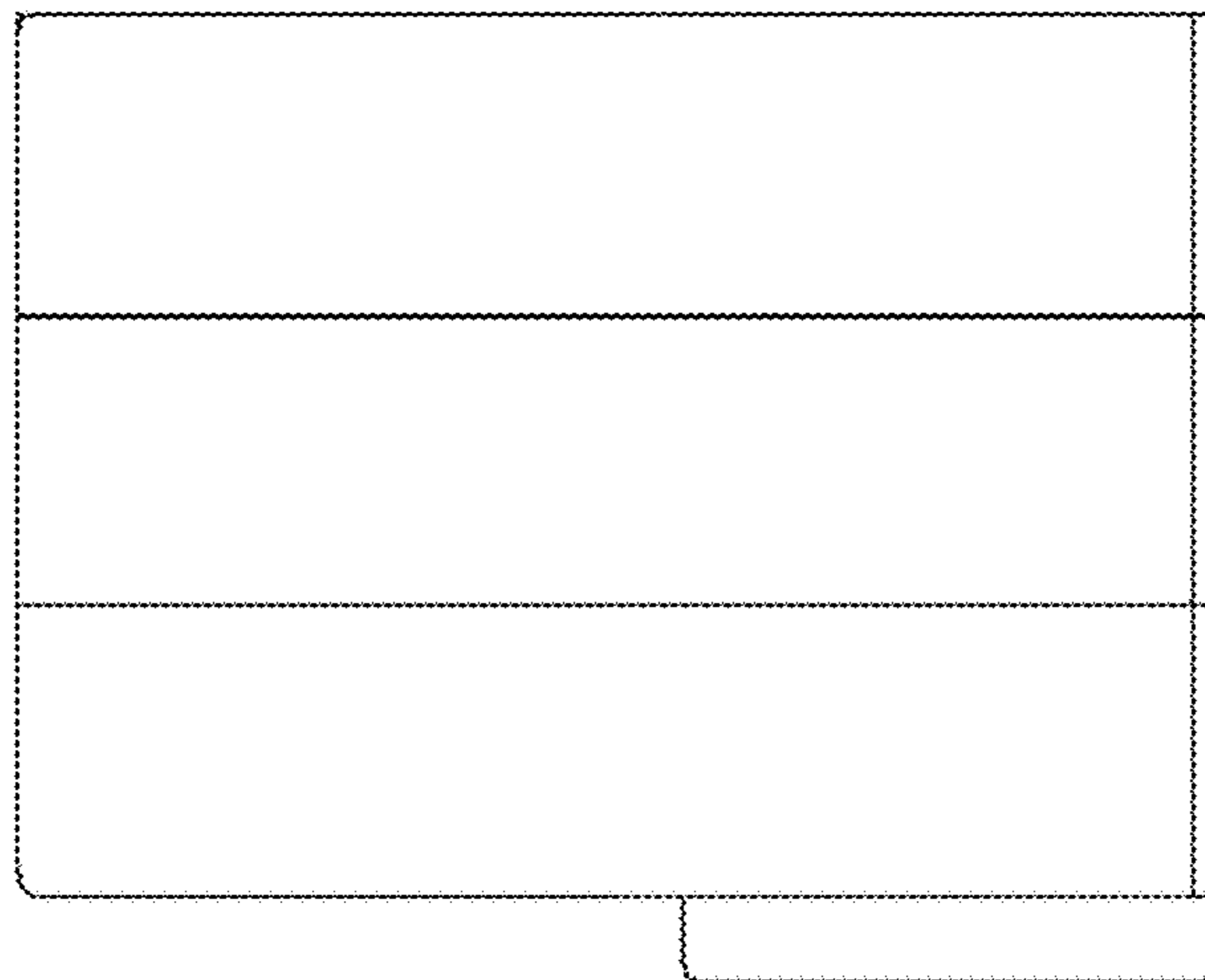


Fig.18

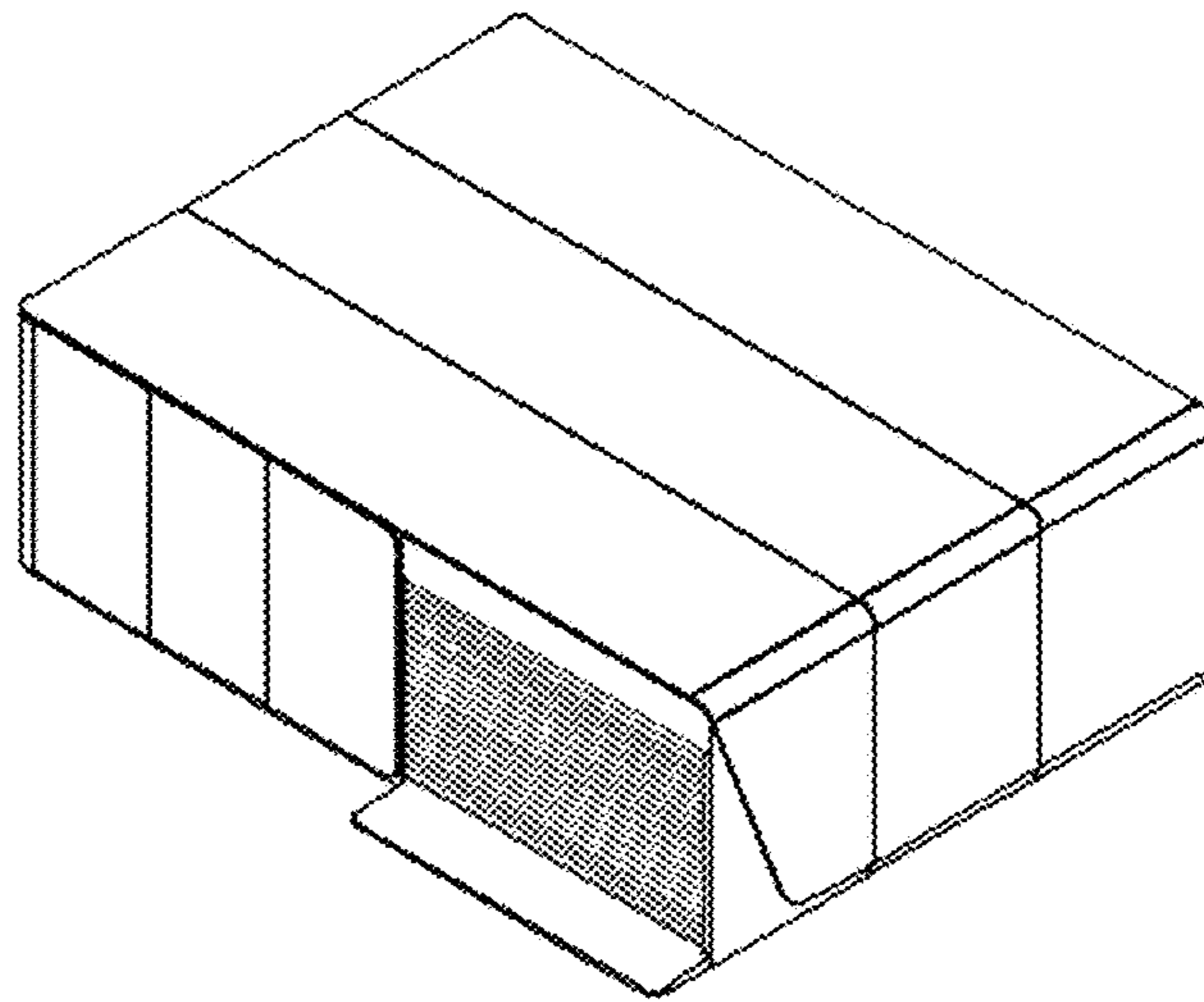


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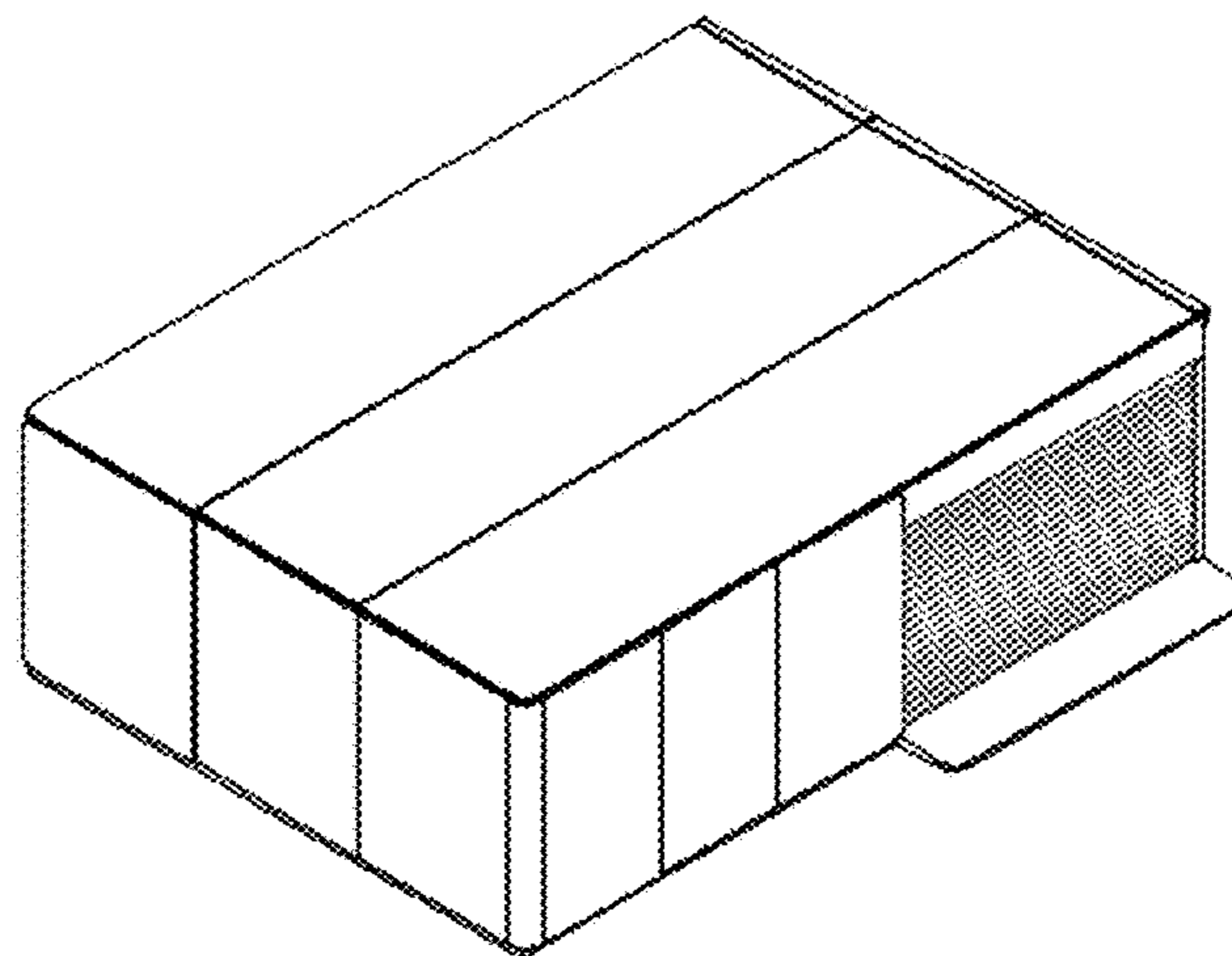


Fig.20

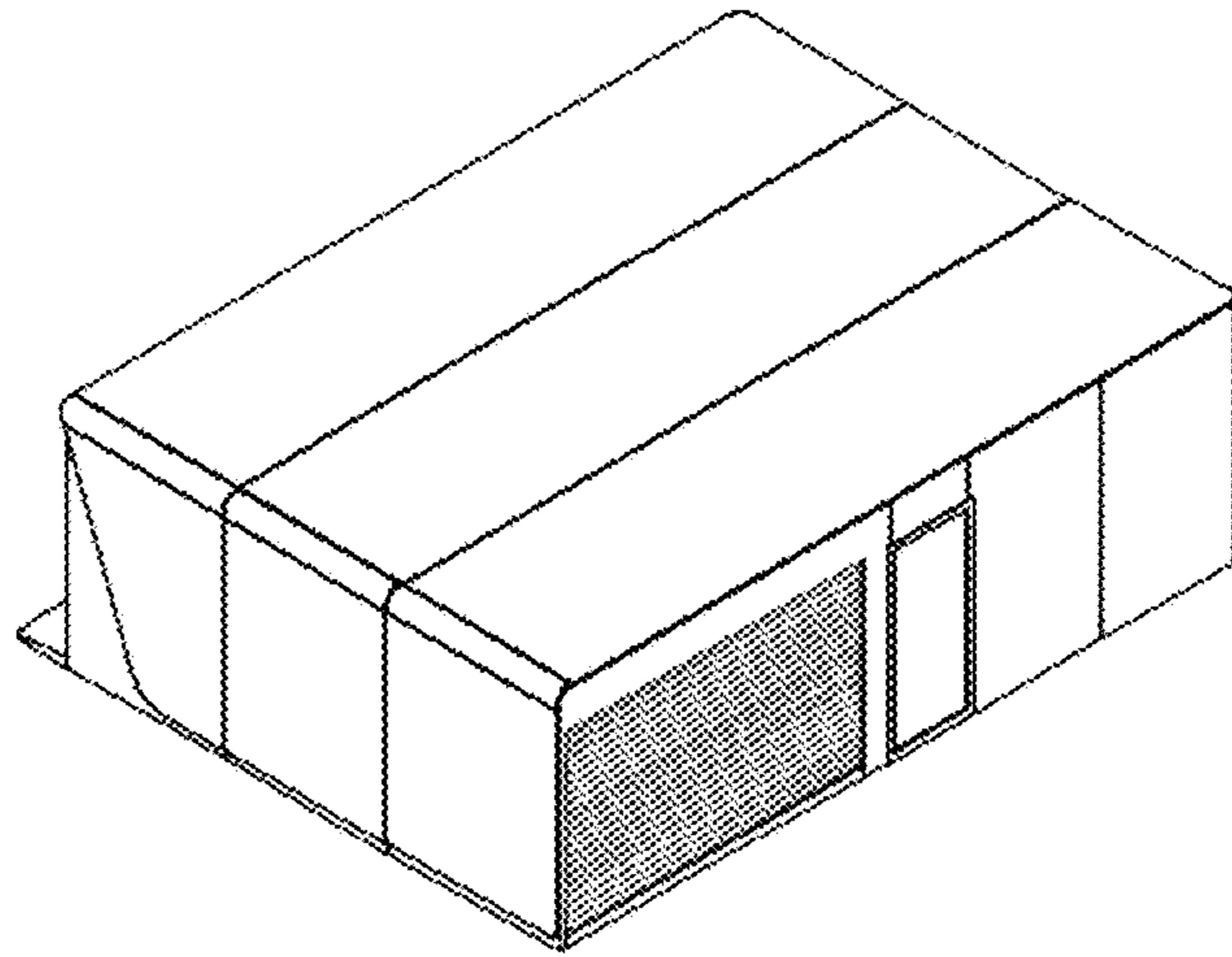


Fig.21

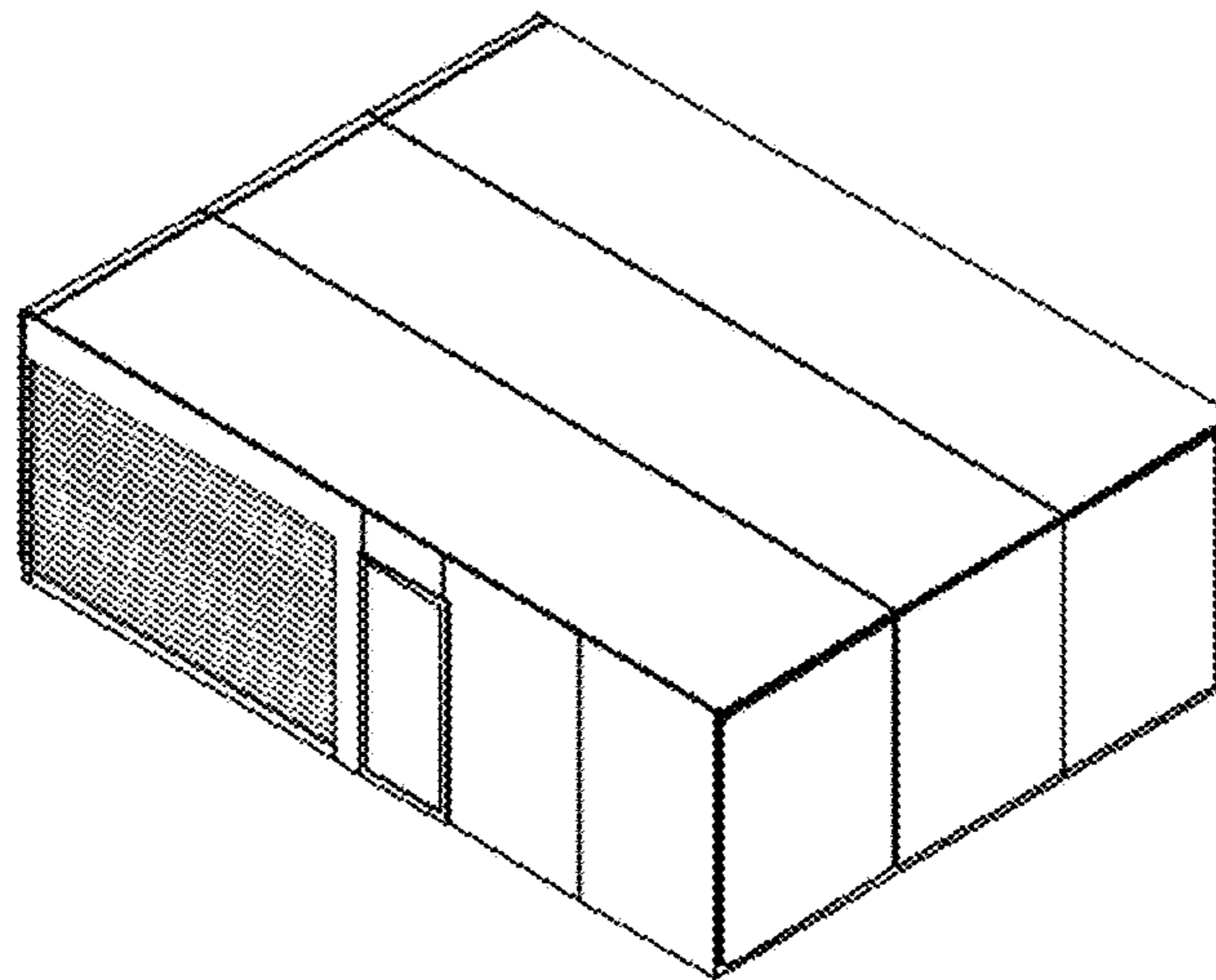


Fig.22

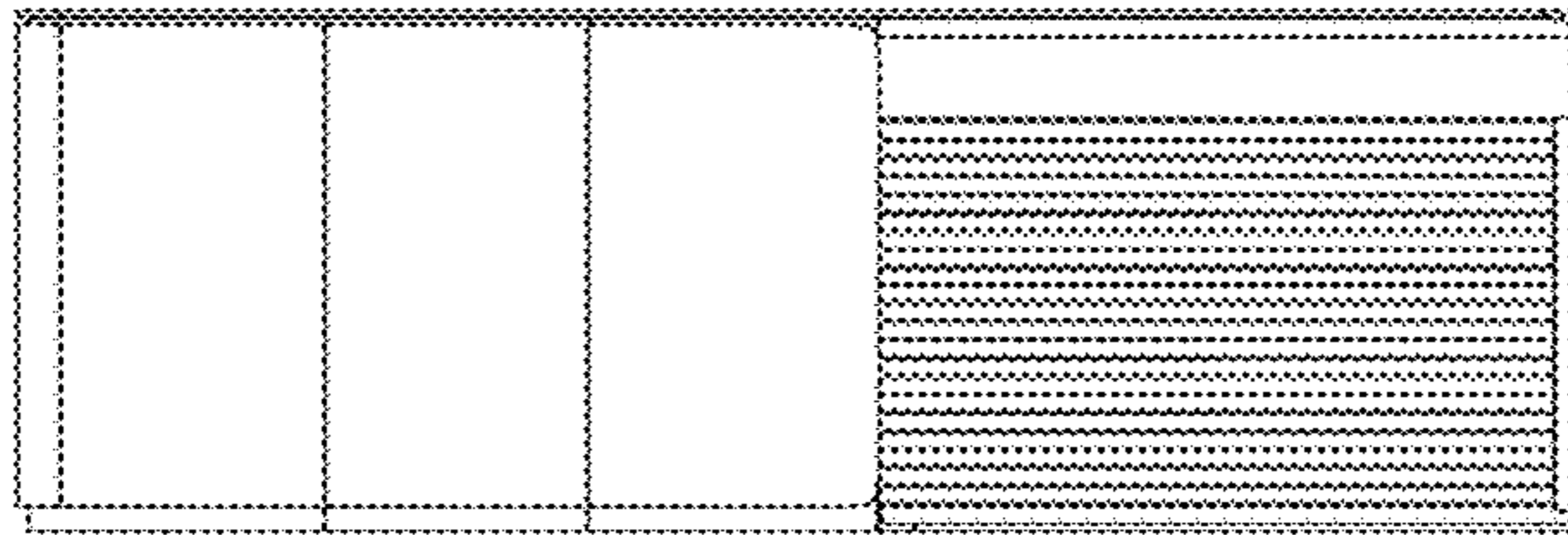


Fig.23

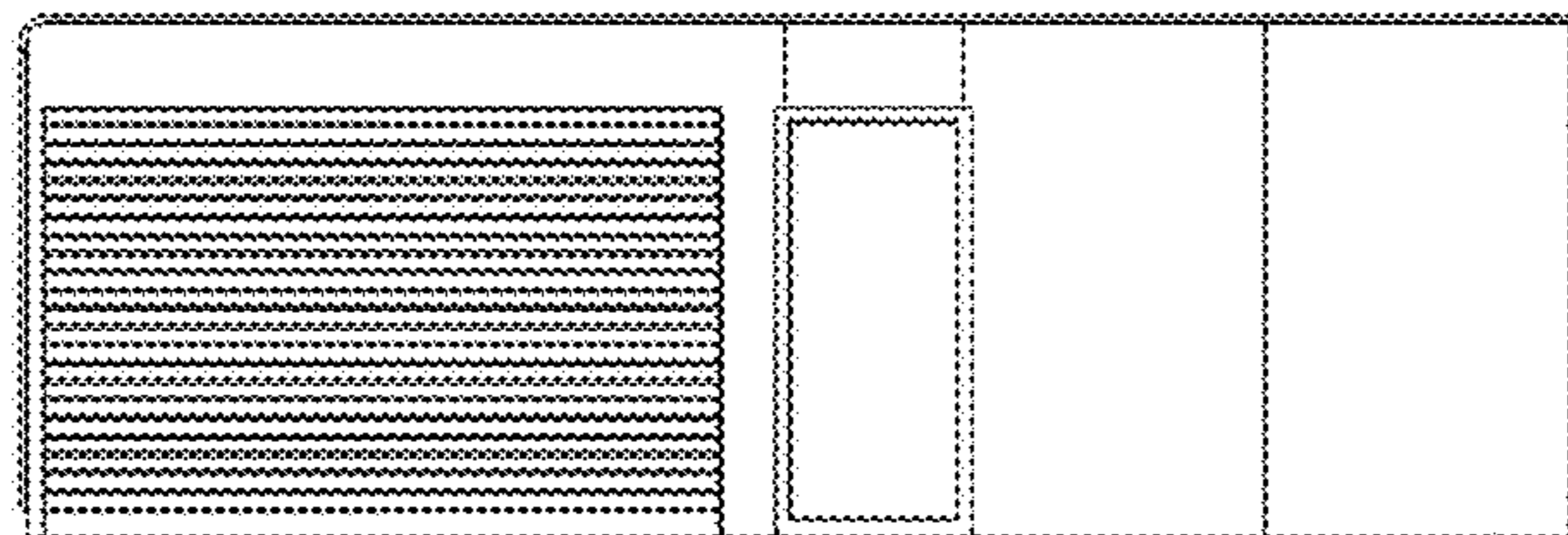


Fig.24

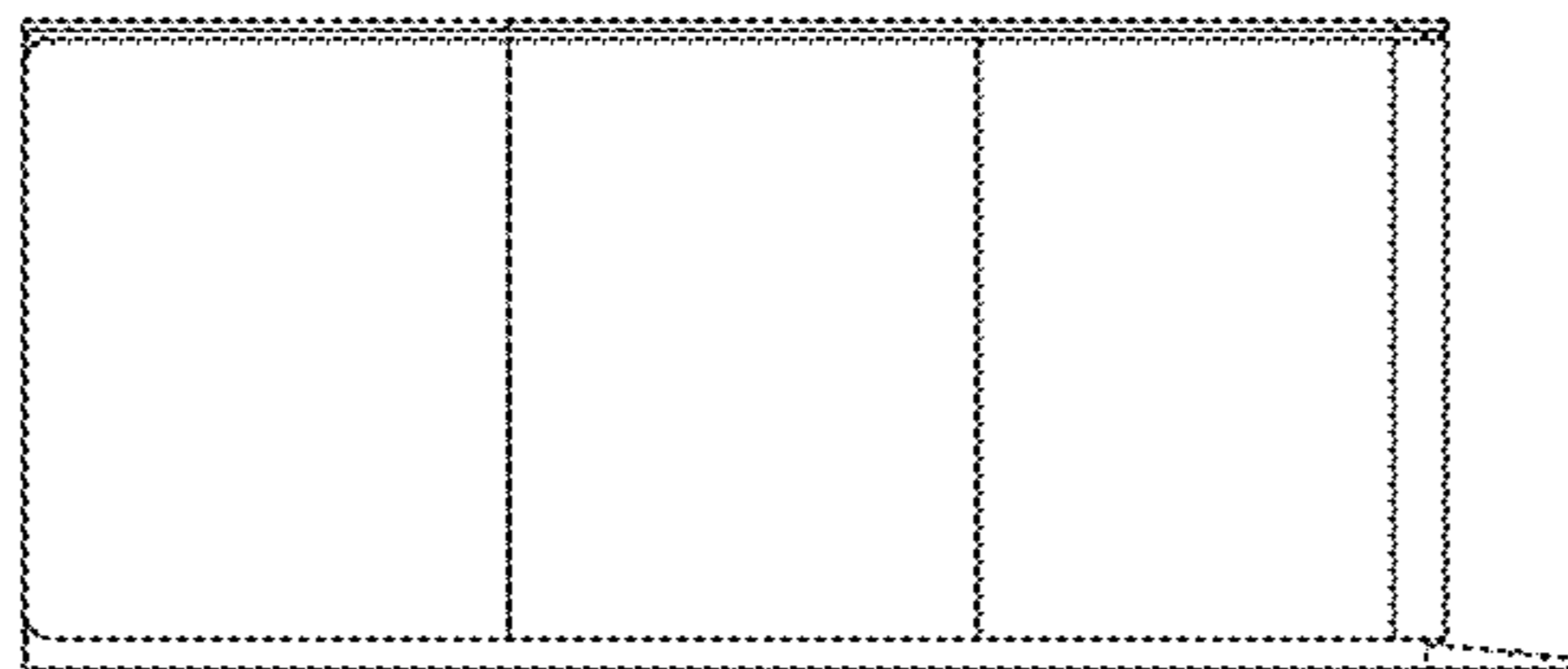


Fig.25

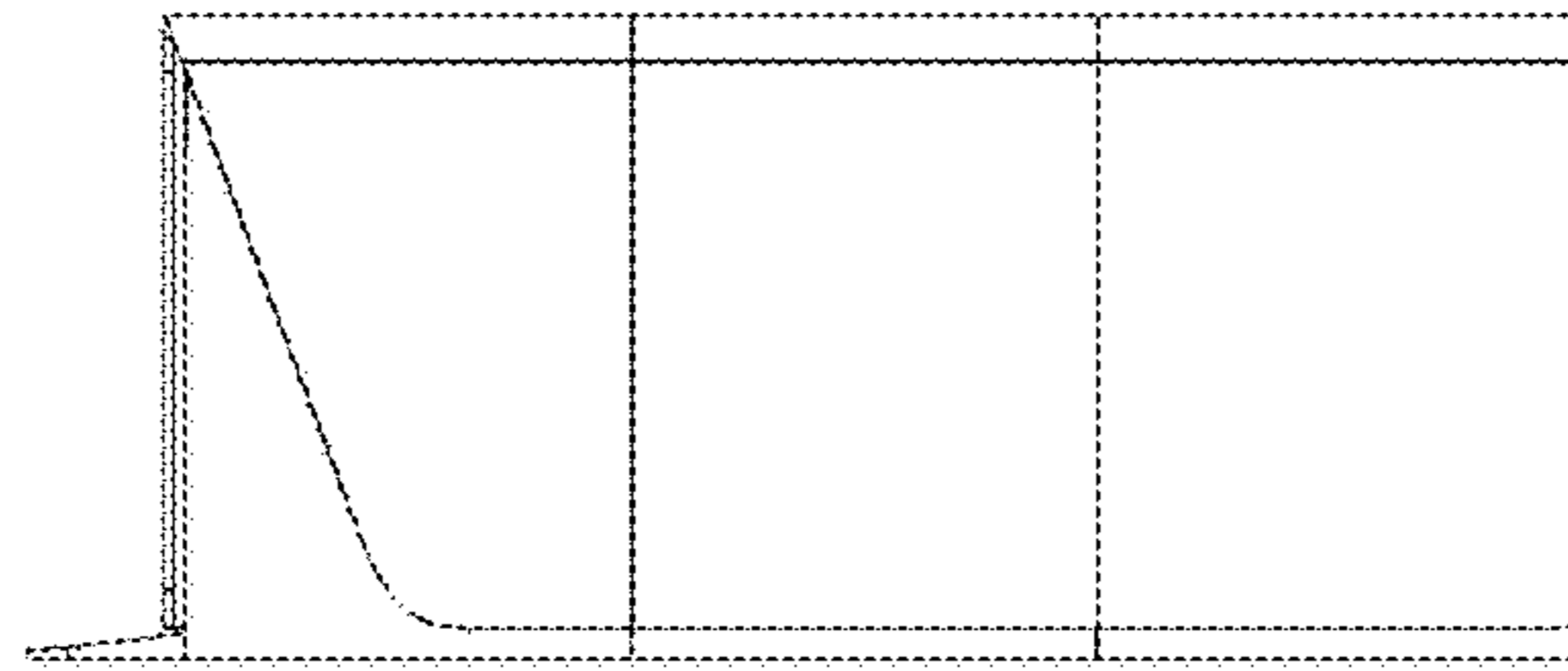


Fig.26

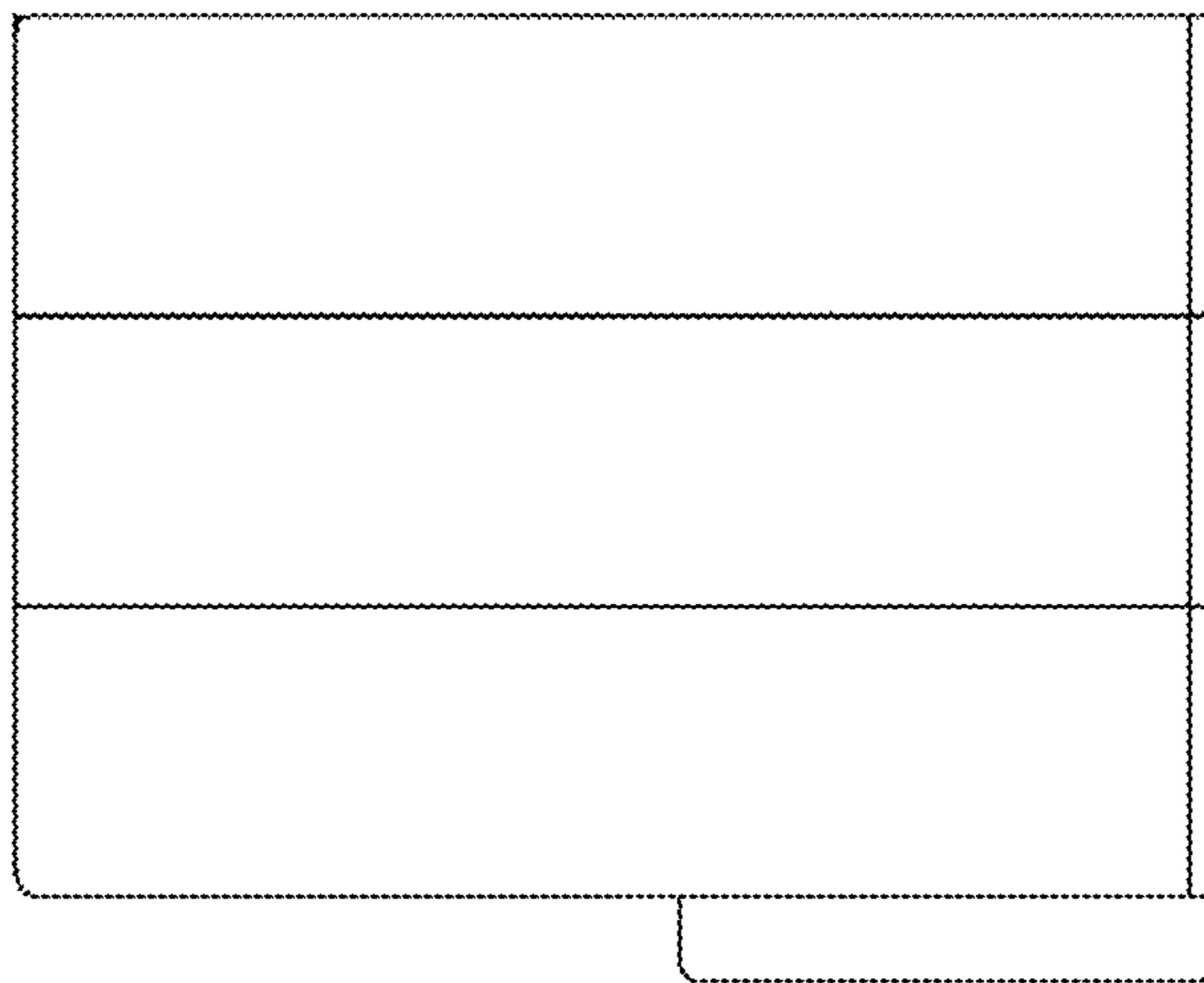


Fig.27