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(12) **United States Design Patent** (10) **Patent No.:** **US D860,475 S**
Tomasson et al. (45) **Date of Patent:** ** Sep. 17, 2019

(54) **BATTERY SWAPPING STATION**(71) Applicant: **NIO NEXTEV LIMITED**, Hong Kong (CN)(72) Inventors: **Kris Tomasson**, Shanghai (CN); **Juho Suh**, Shanghai (CN); **Jianwen Lai**, Shanghai (CN); **Chao Yang**, Shanghai (CN); **Zhilong Zhao**, Shanghai (CN); **Robert James Orr, IV**, Shanghai (CN); **Wenjie Hou**, Shanghai (CN); **Hao Zhu**, Shanghai (CN); **Wengang Qi**, Shanghai (CN); **Patrick Niall McGoldrick**, Shanghai (CN); **Michael Tropper**, Shanghai (CN); **Matthew Garwood**, Shanghai (CN)(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
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(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
(Continued)

FOREIGN PATENT DOCUMENTS

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

(Continued)

Primary Examiner — Brett Miller

(74) *Attorney, Agent, or Firm* — Sheridan Ross P.C.

(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;

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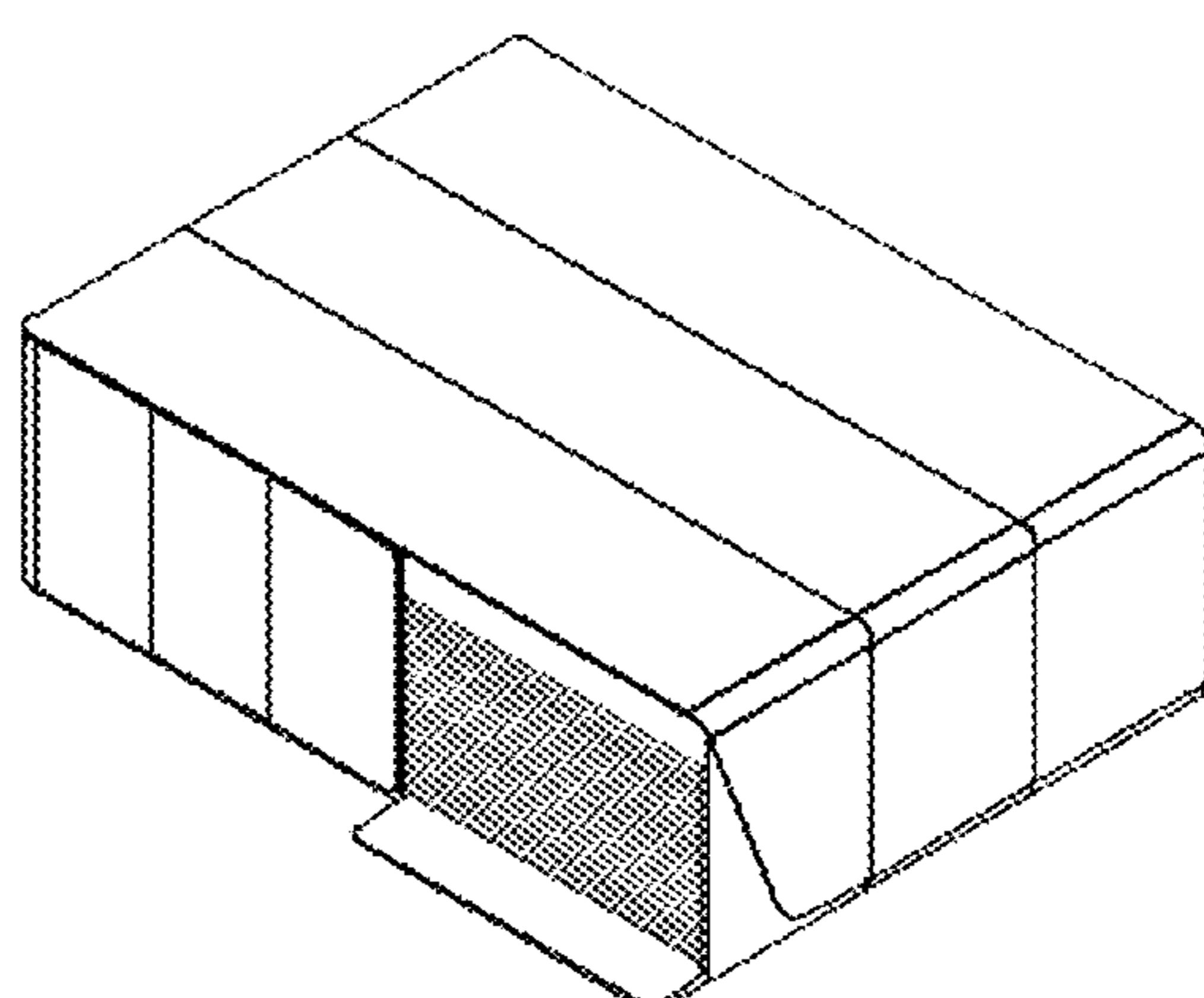
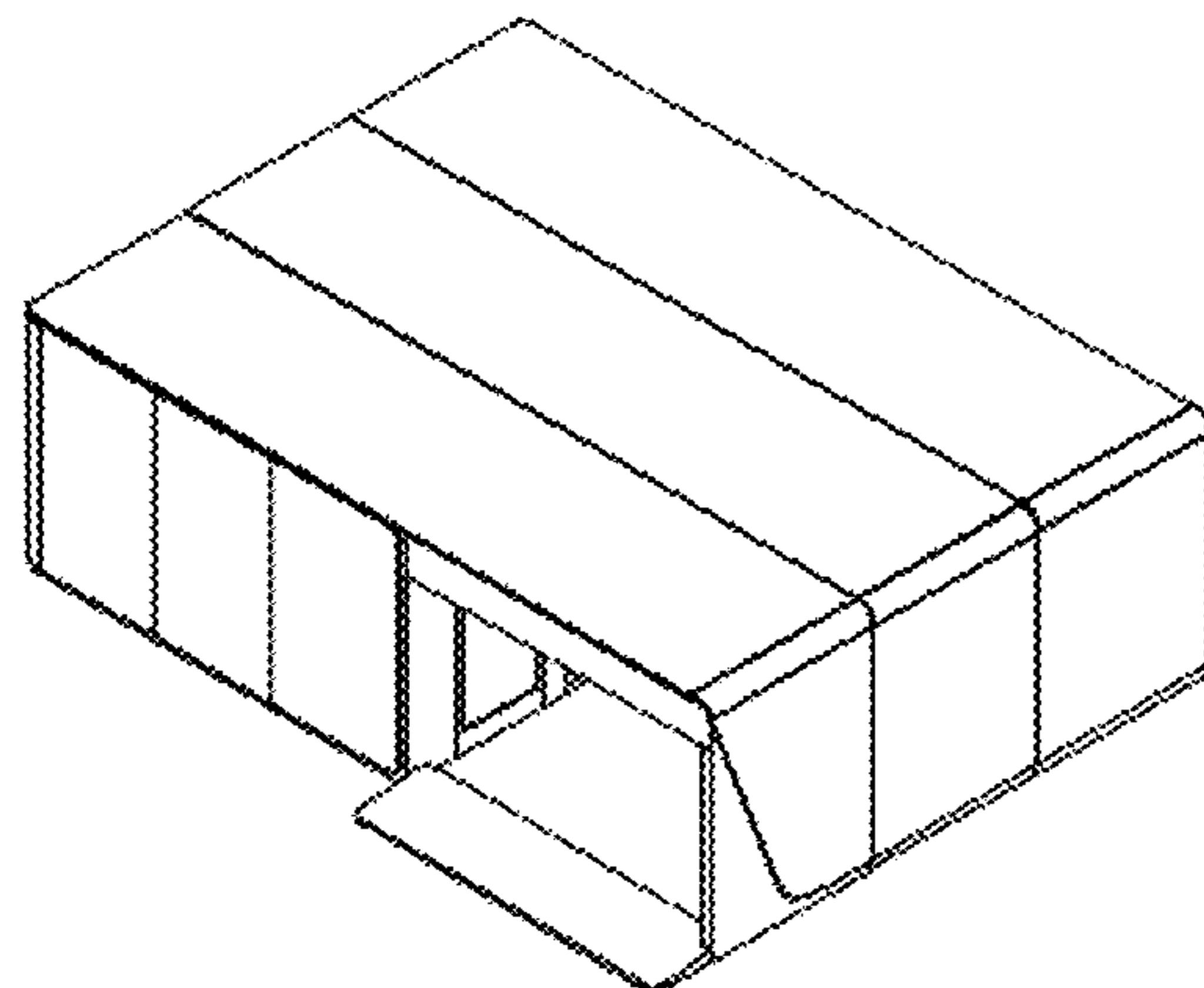


FIG. 17 is a right side view of the second embodiment of the design;
FIG. 18 is a top view of the second embodiment of the design;
FIG. 19 is a first perspective view of a third embodiment of the design;
FIG. 20 is a second perspective view of the third embodiment of the design;
FIG. 21 is a third perspective 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.

(56)

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

See application file for complete search history.

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

(58) Field of Classification Search

CPC E04H 1/00–1277; E04H 2001/1283; E04H

1 Claim, 12 Drawing Sheets

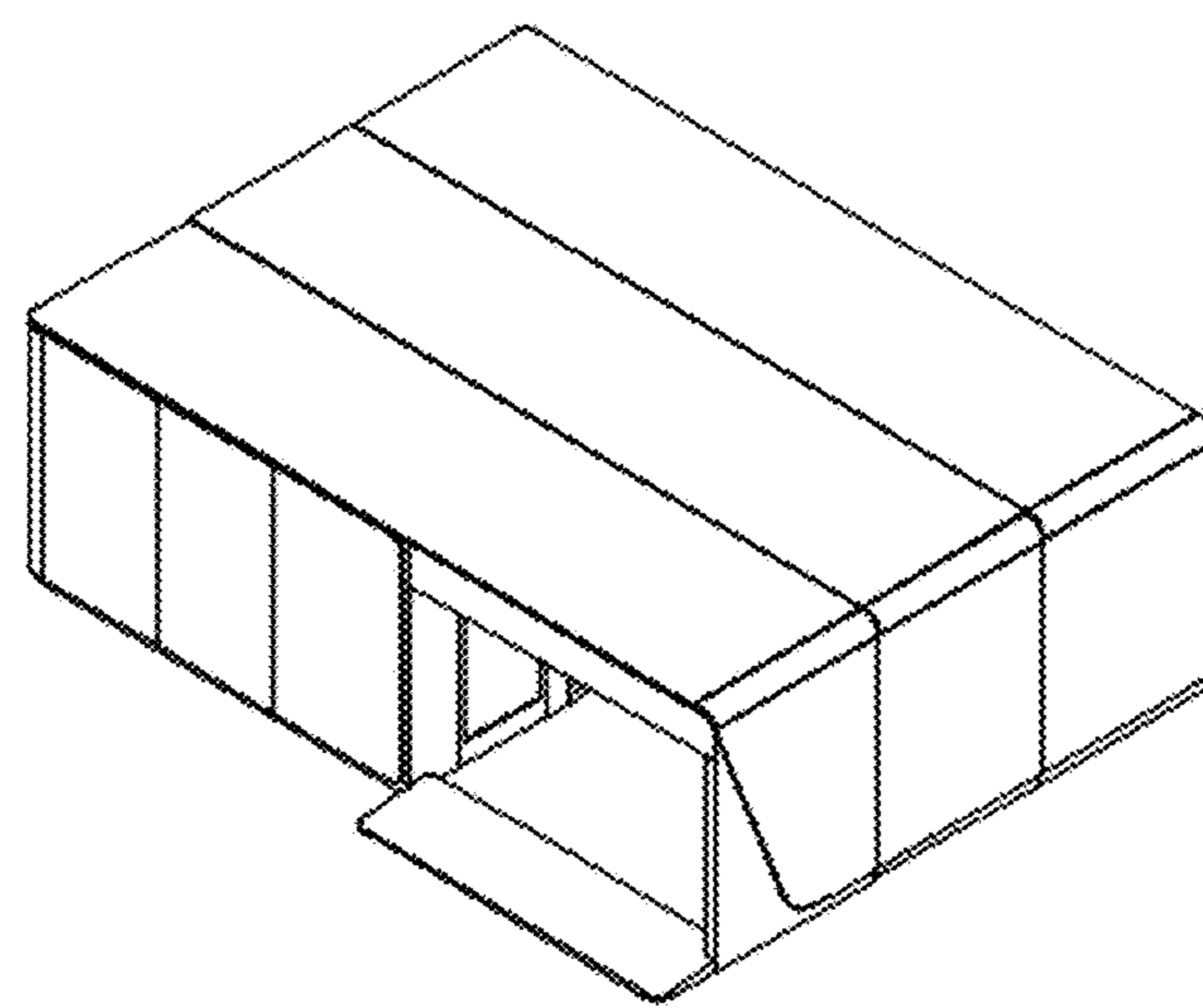


Fig.1

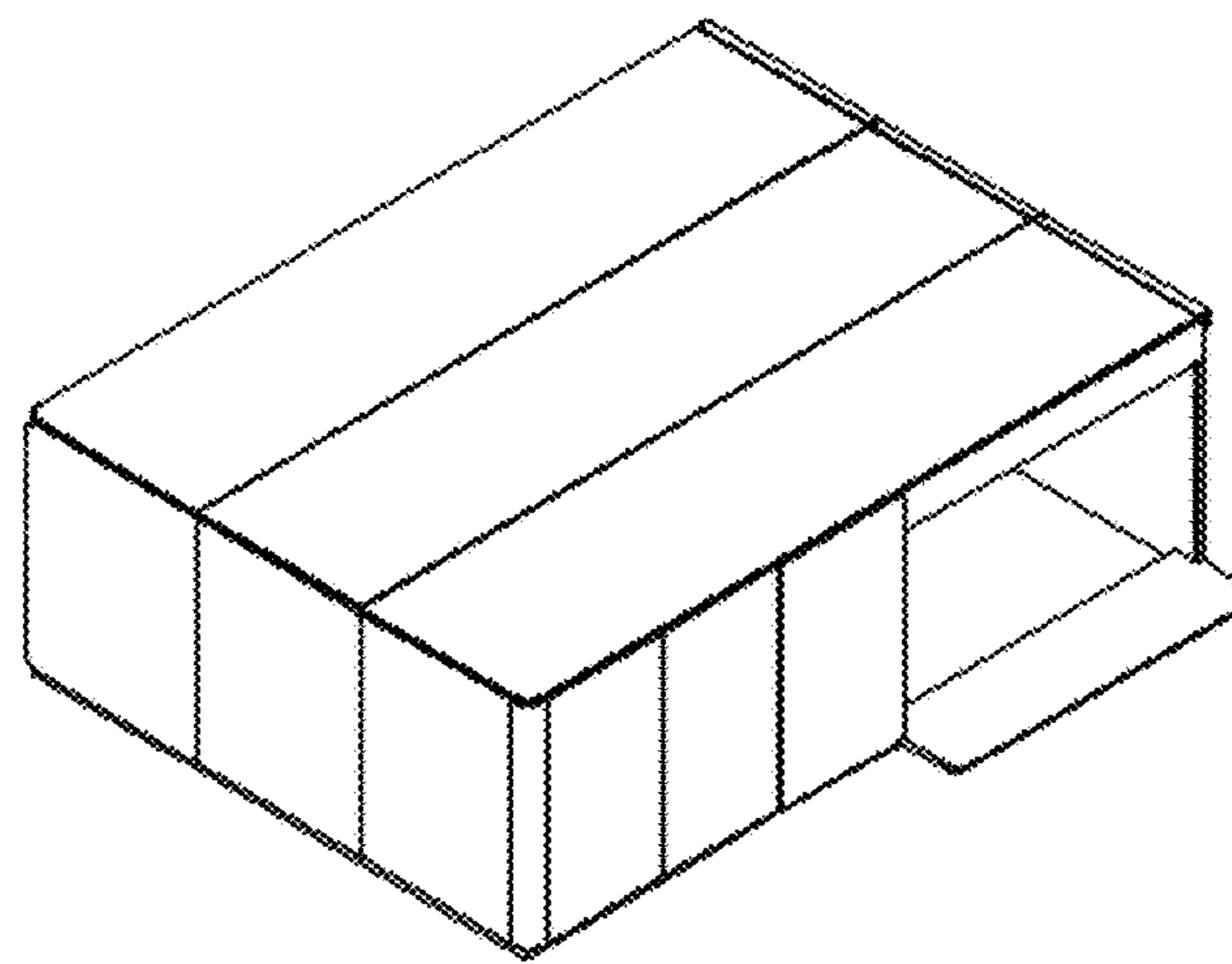


Fig.2

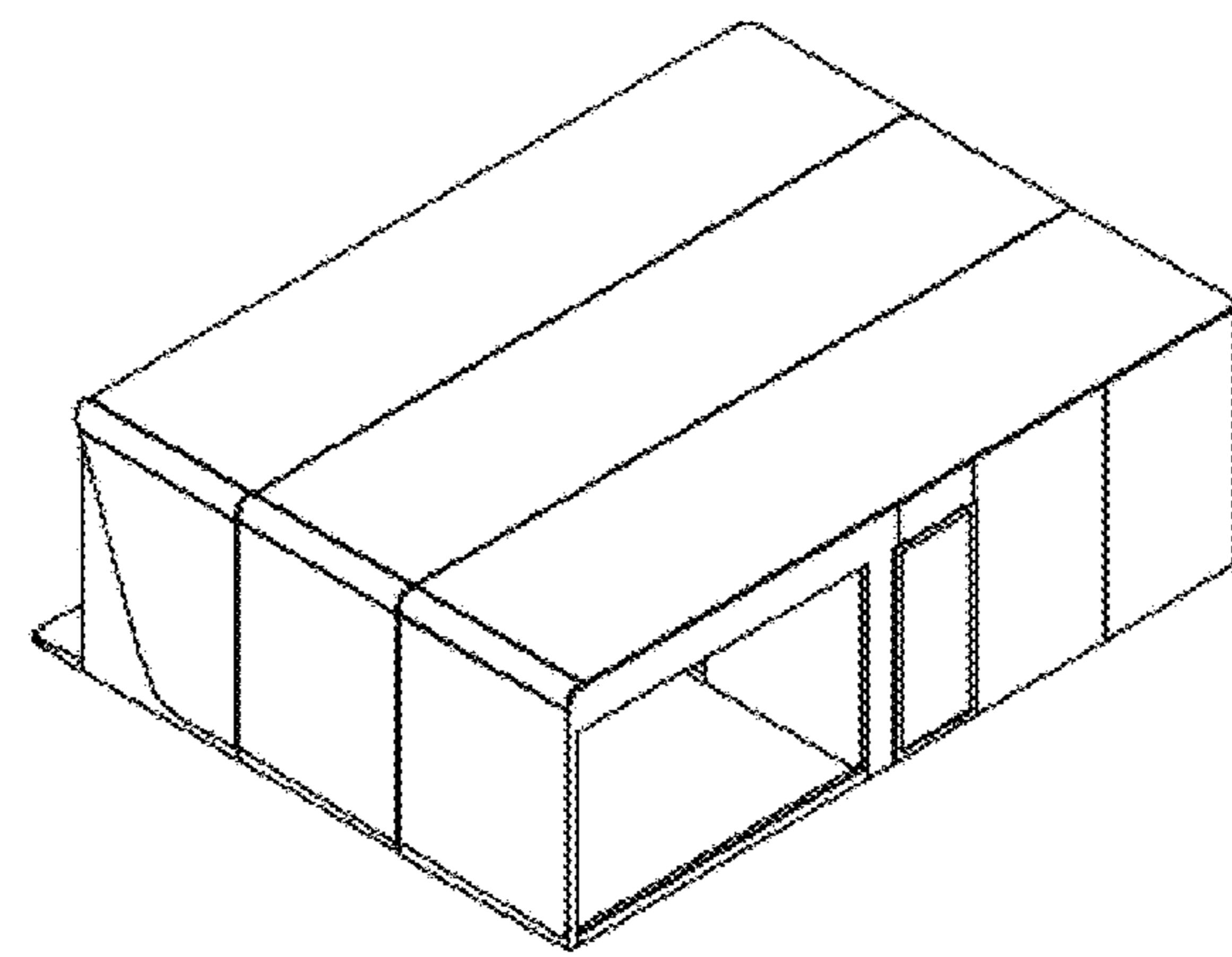


Fig.3

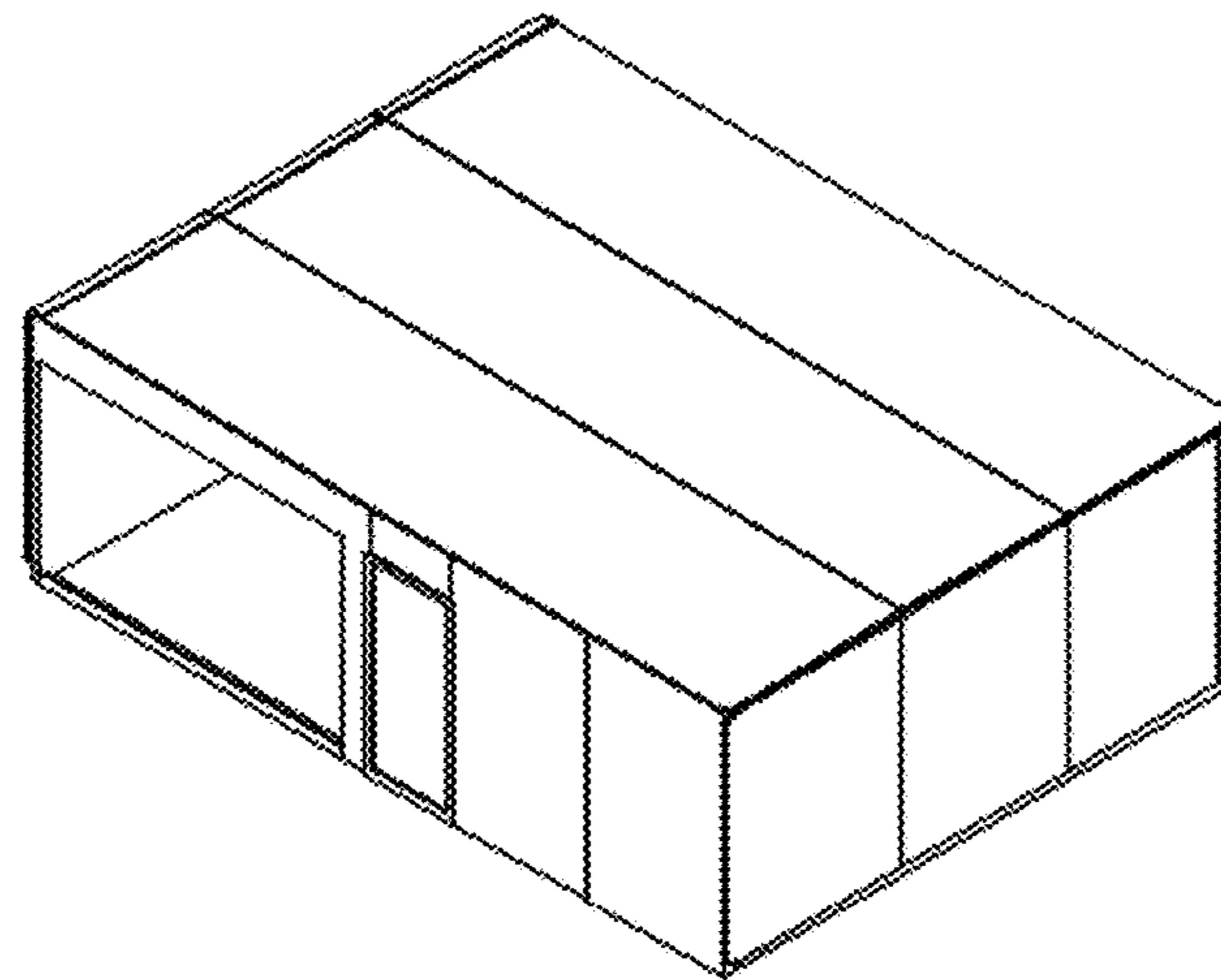


Fig.4

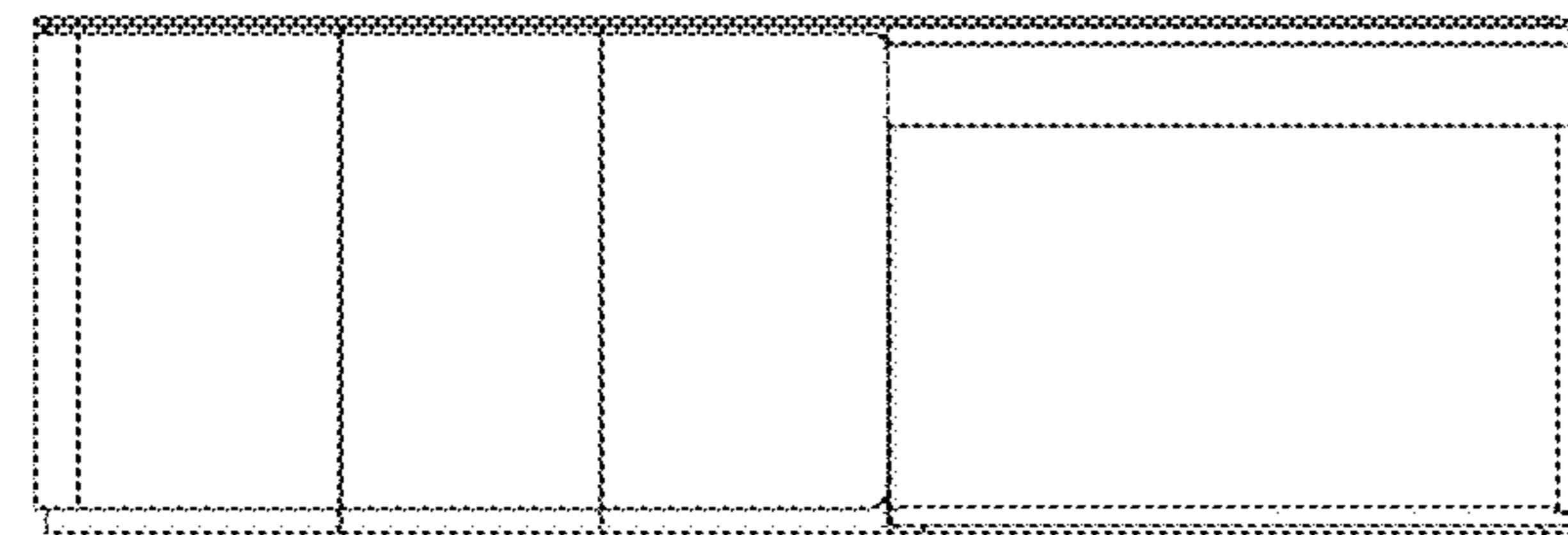


Fig.5

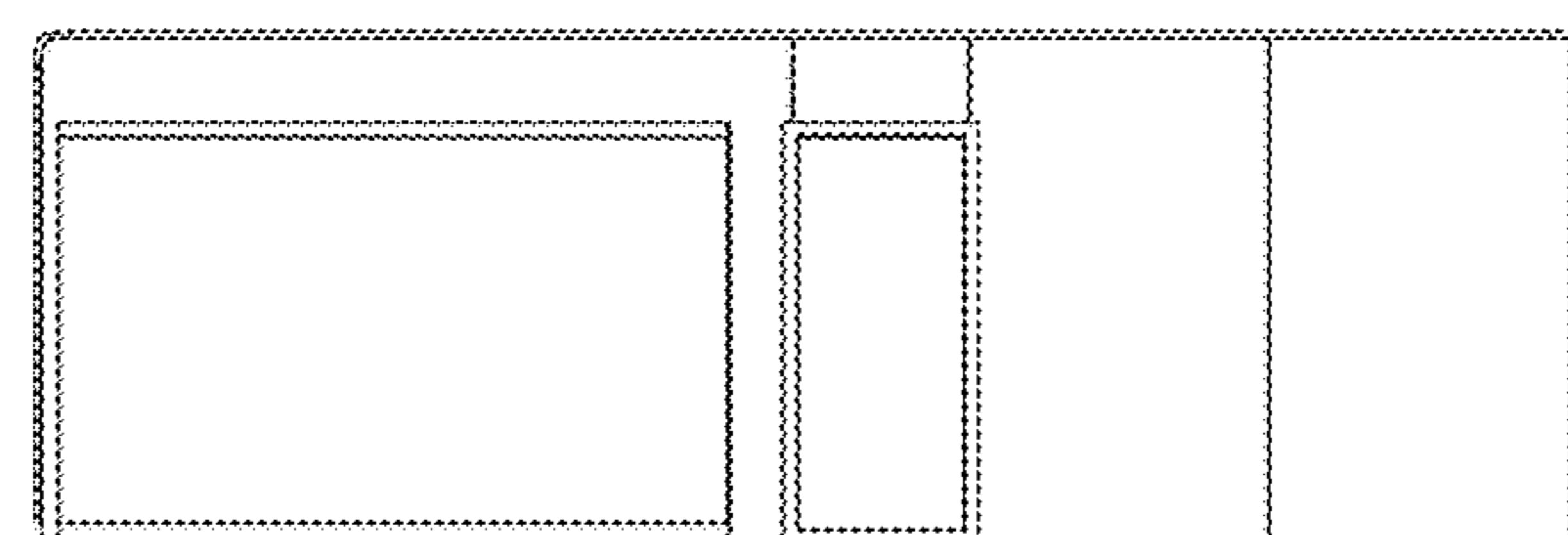


Fig.6

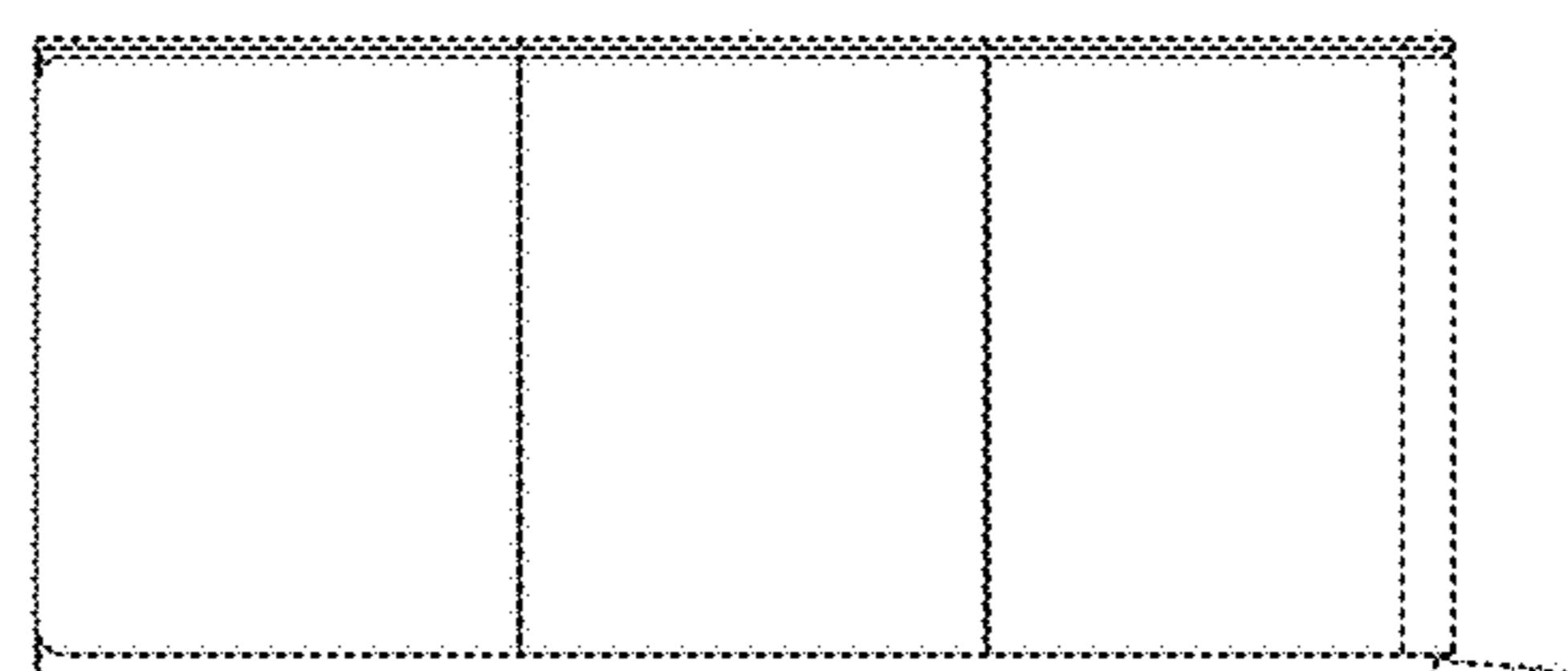


Fig.7

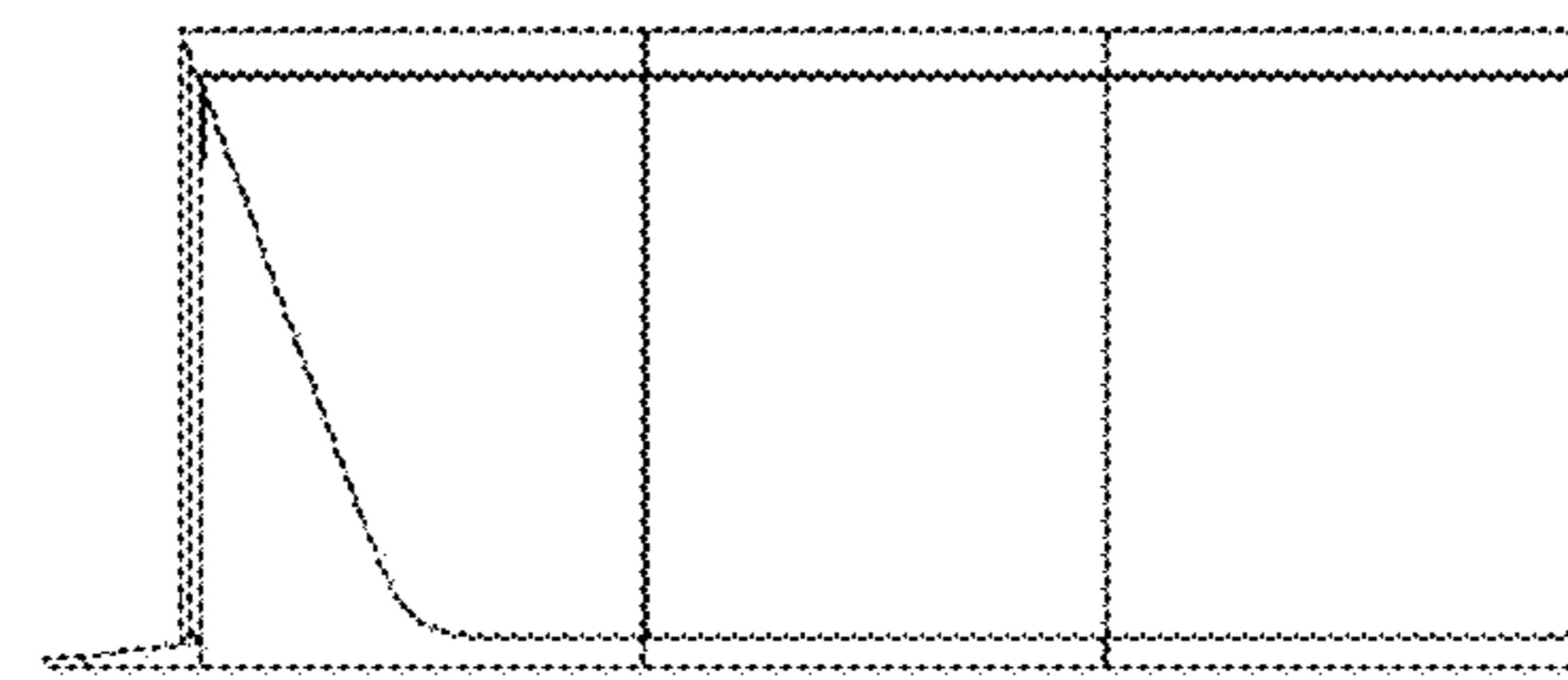


Fig.8

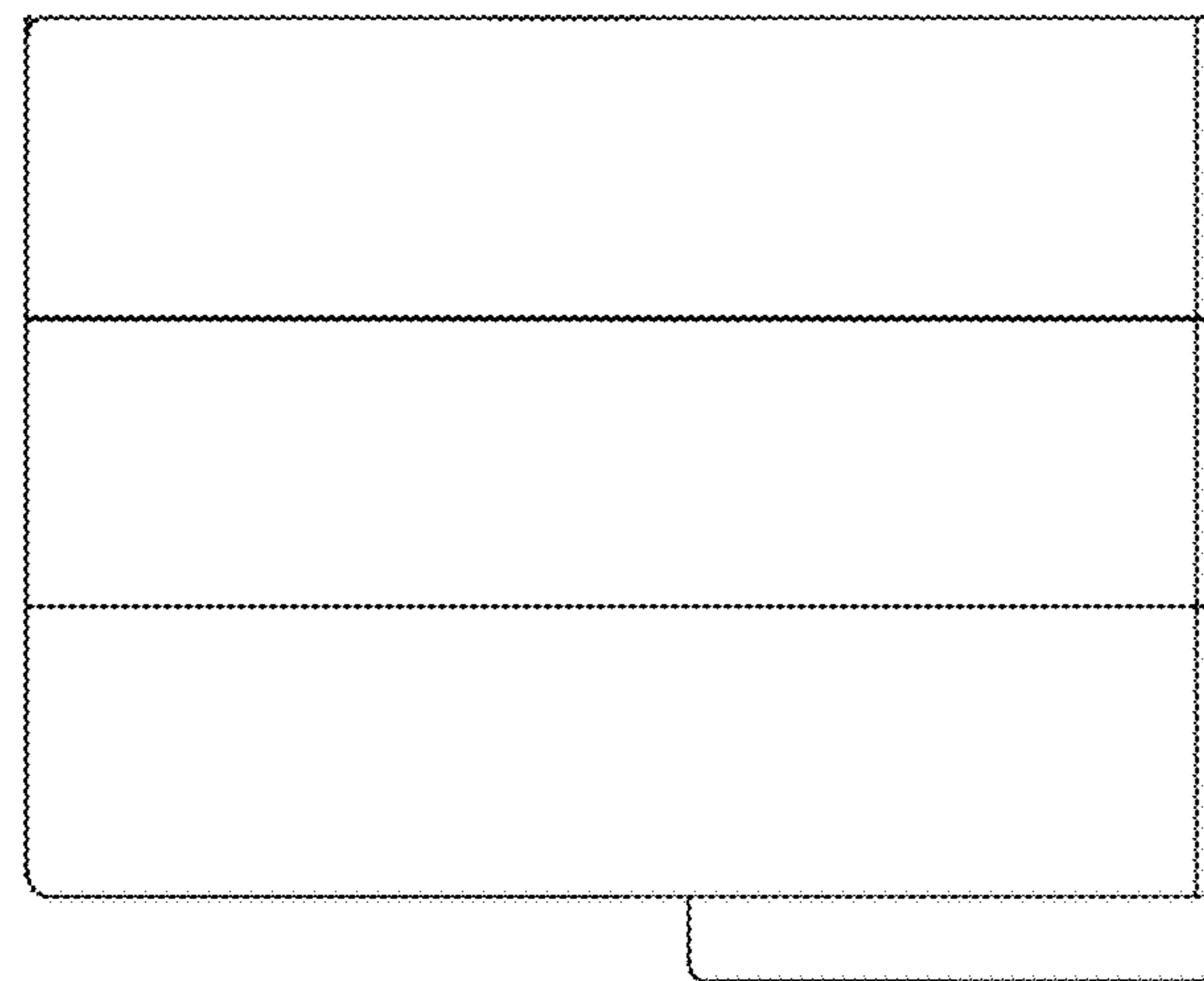


Fig.9

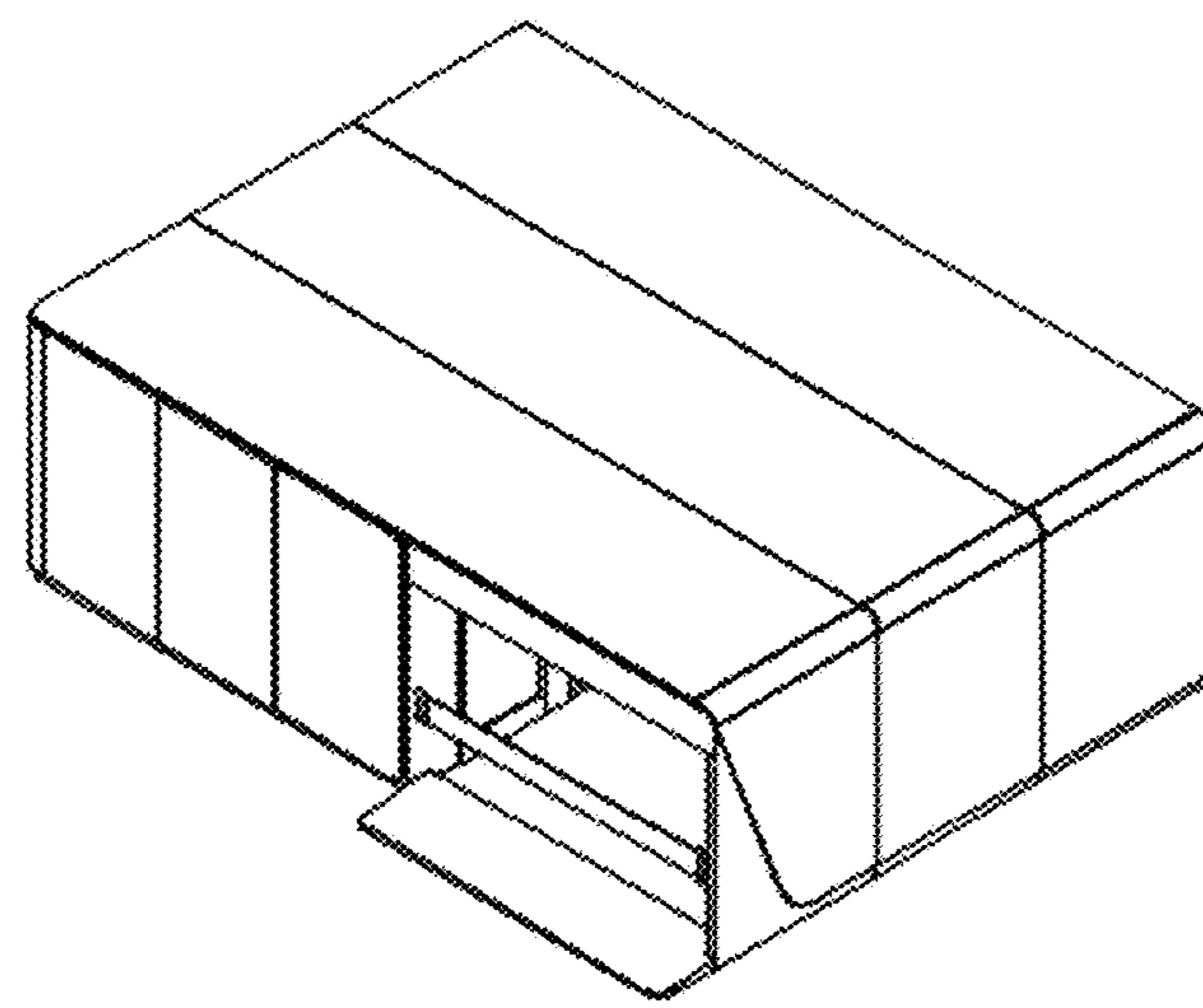


Fig.10

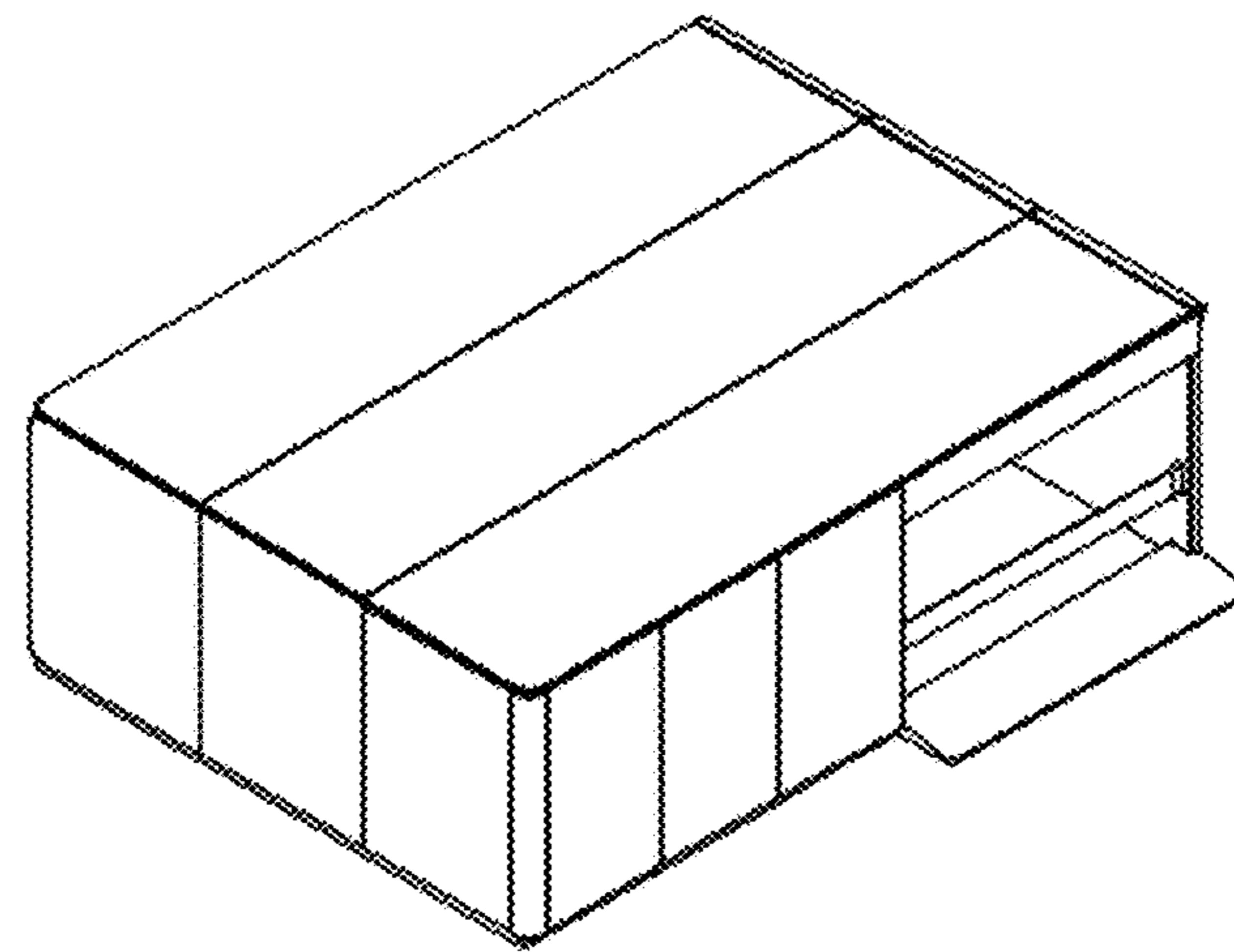


Fig.11

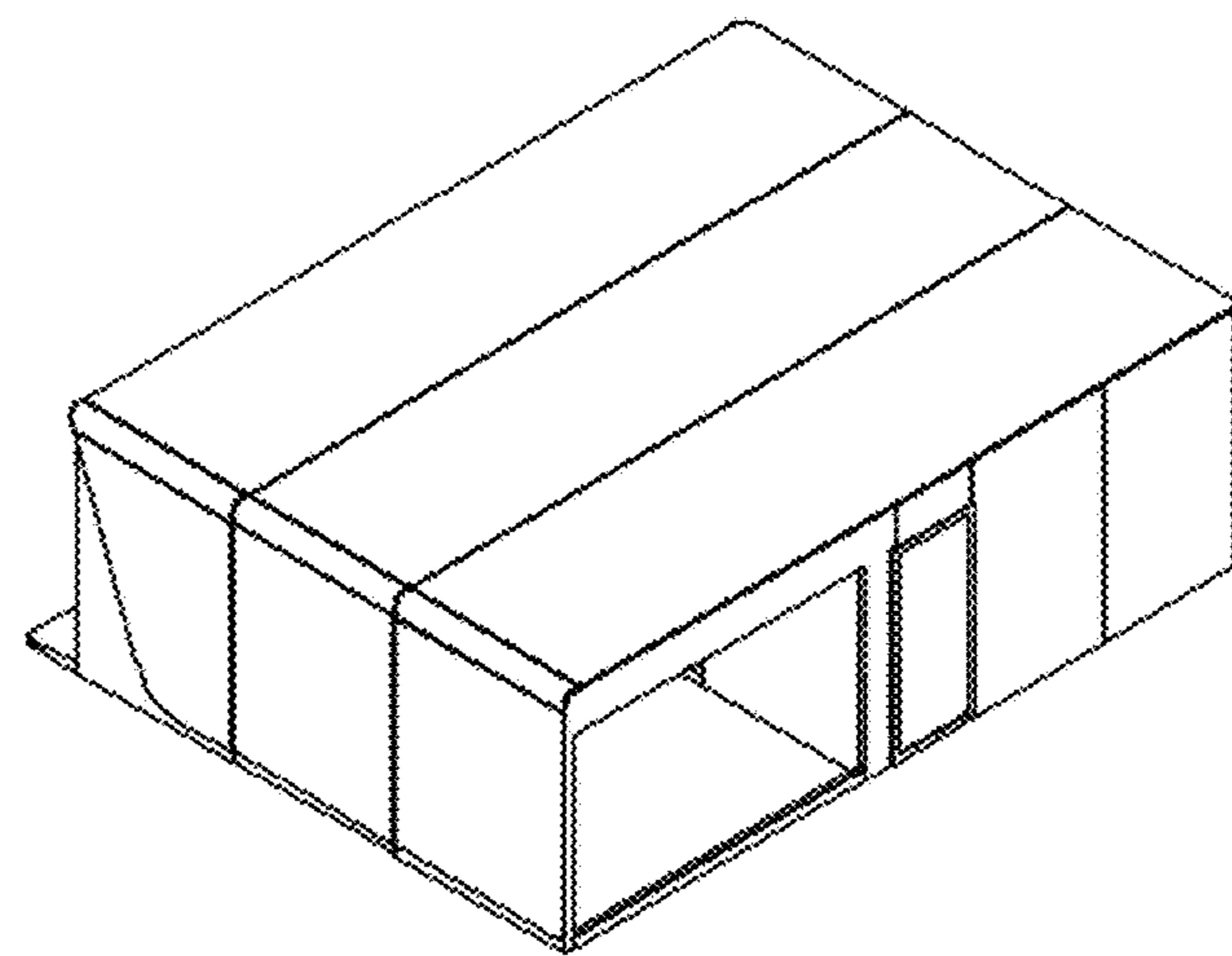


Fig.12

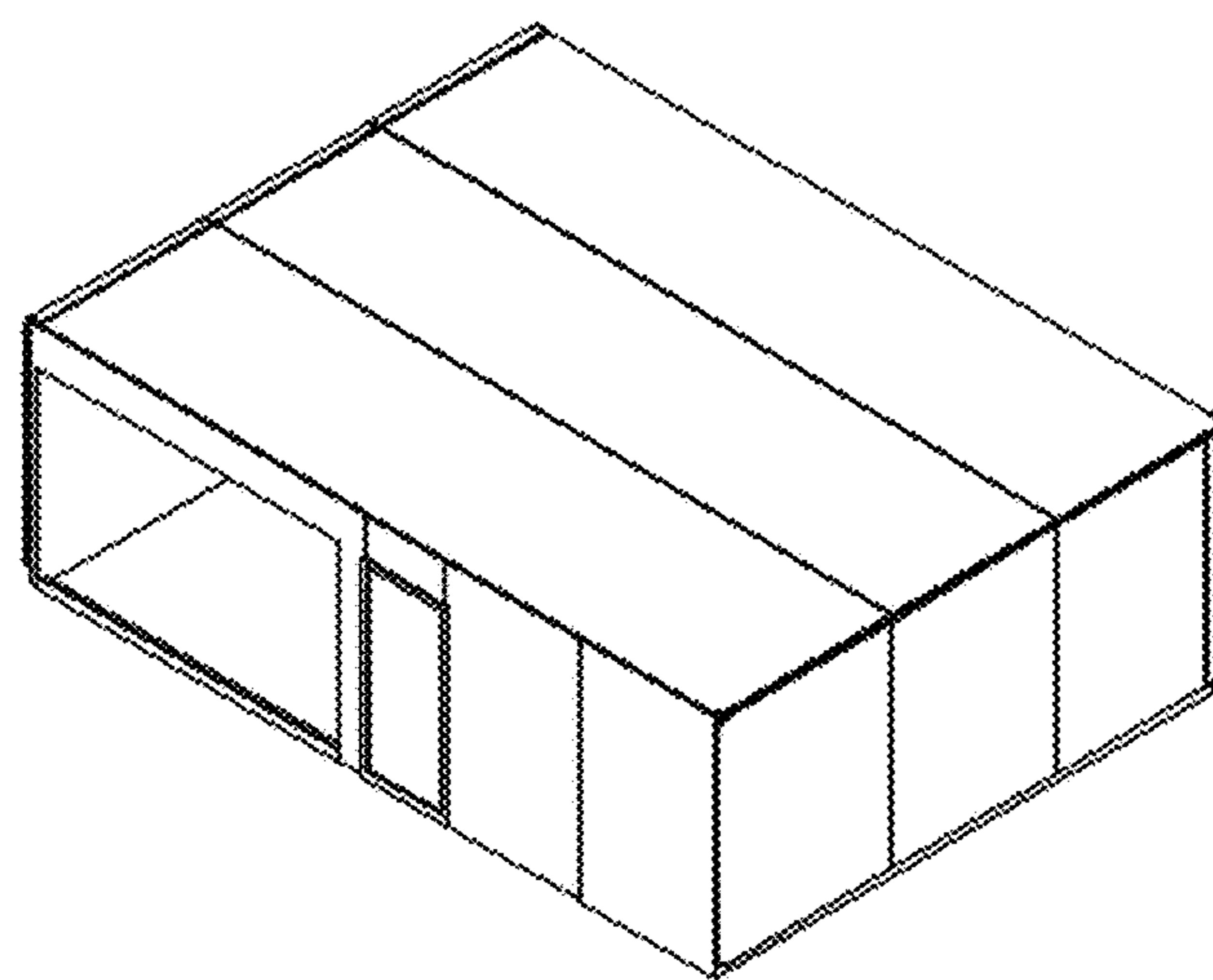


Fig.13

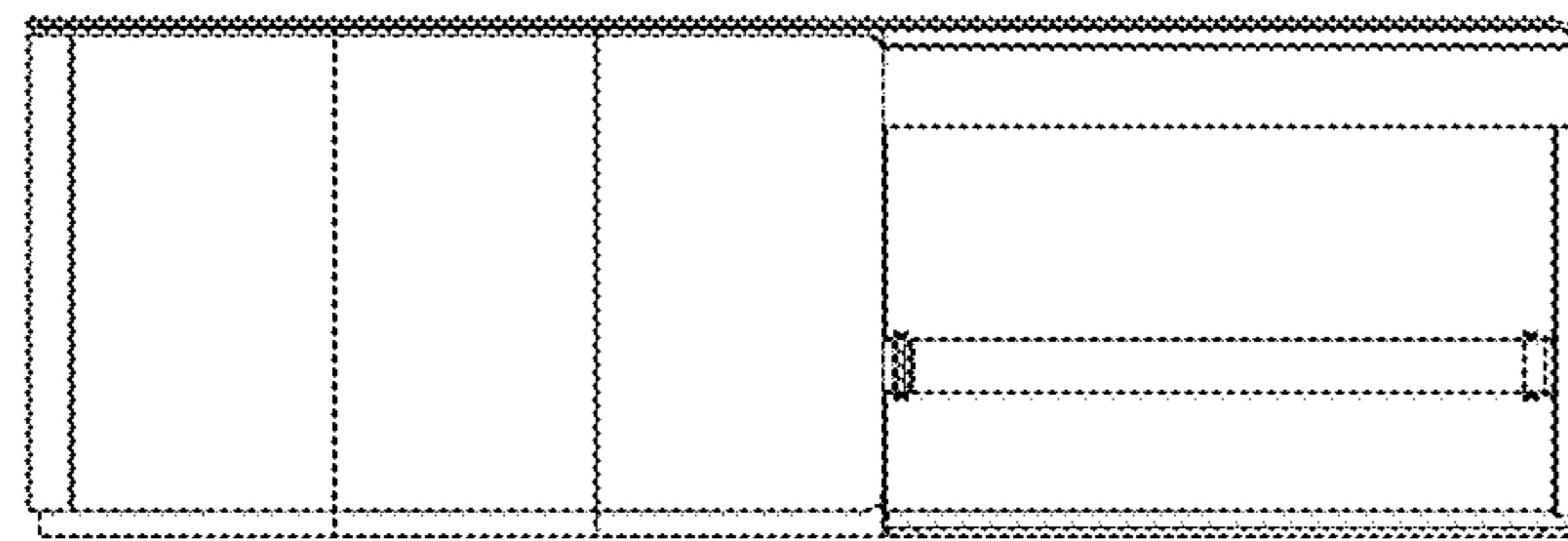


Fig.14

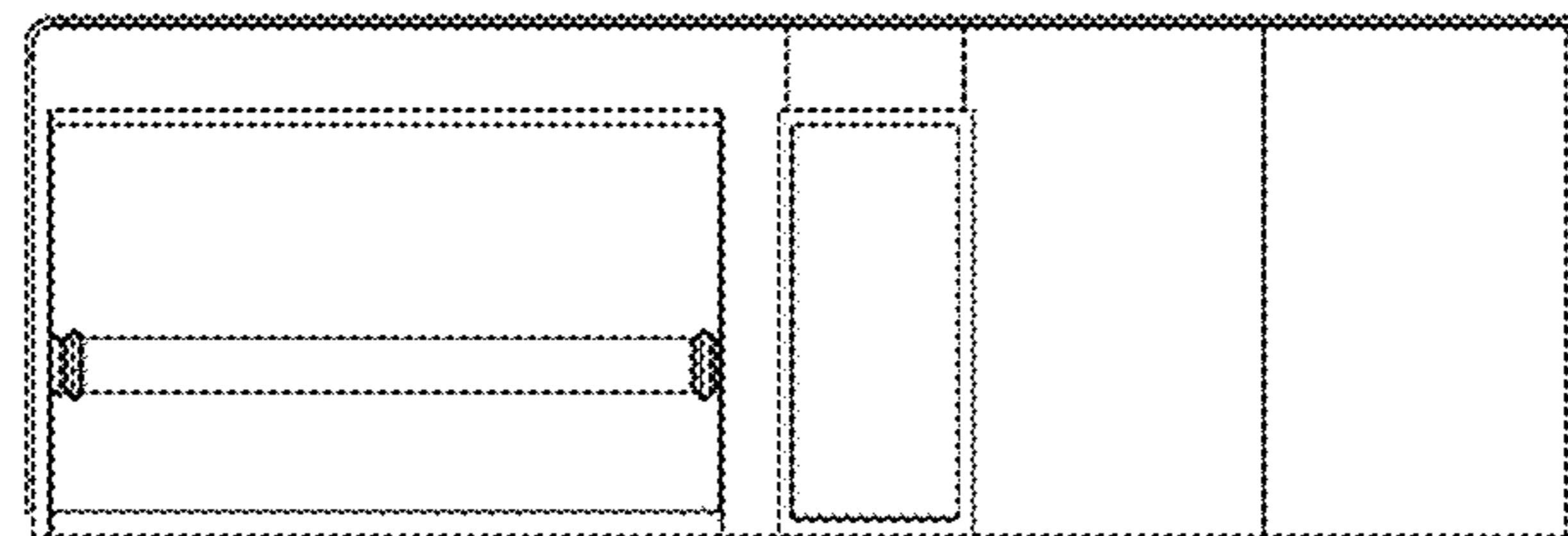


Fig.15

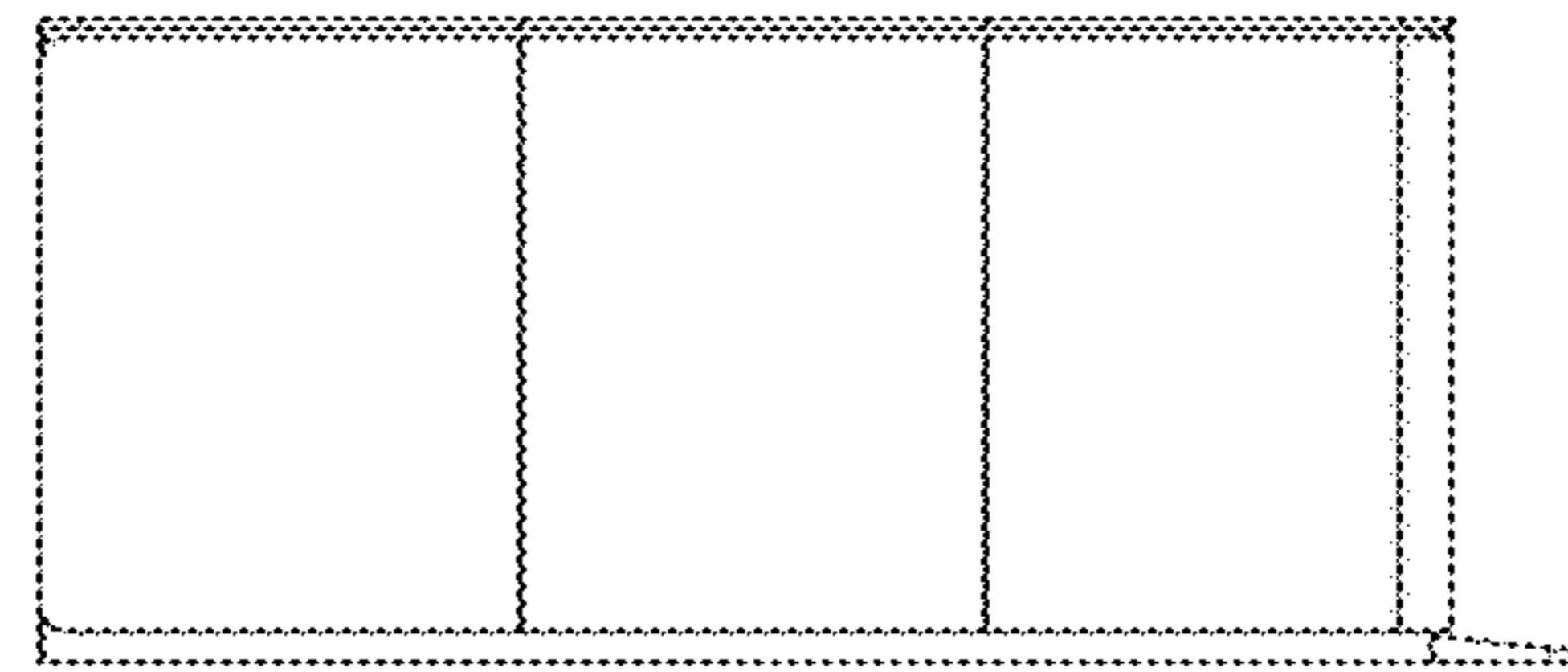


Fig.16

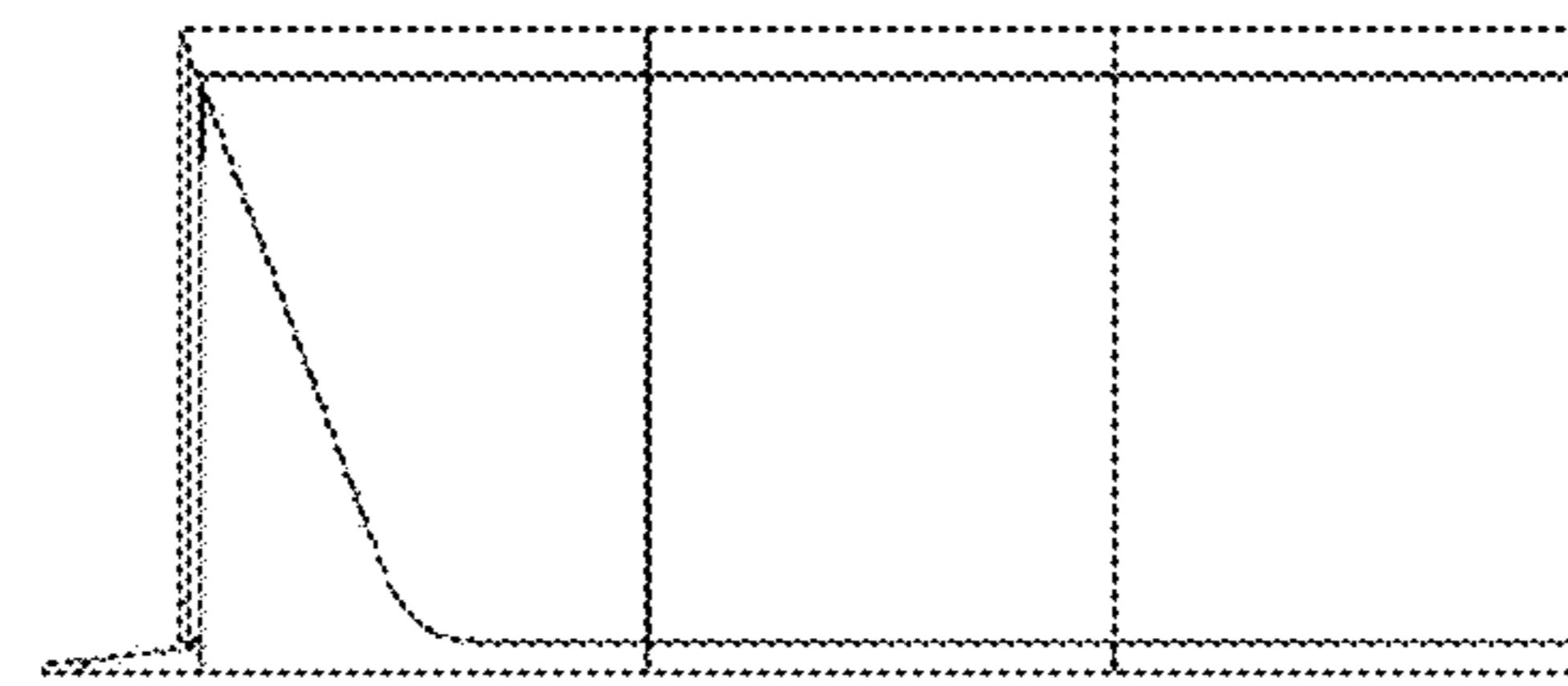


Fig.17

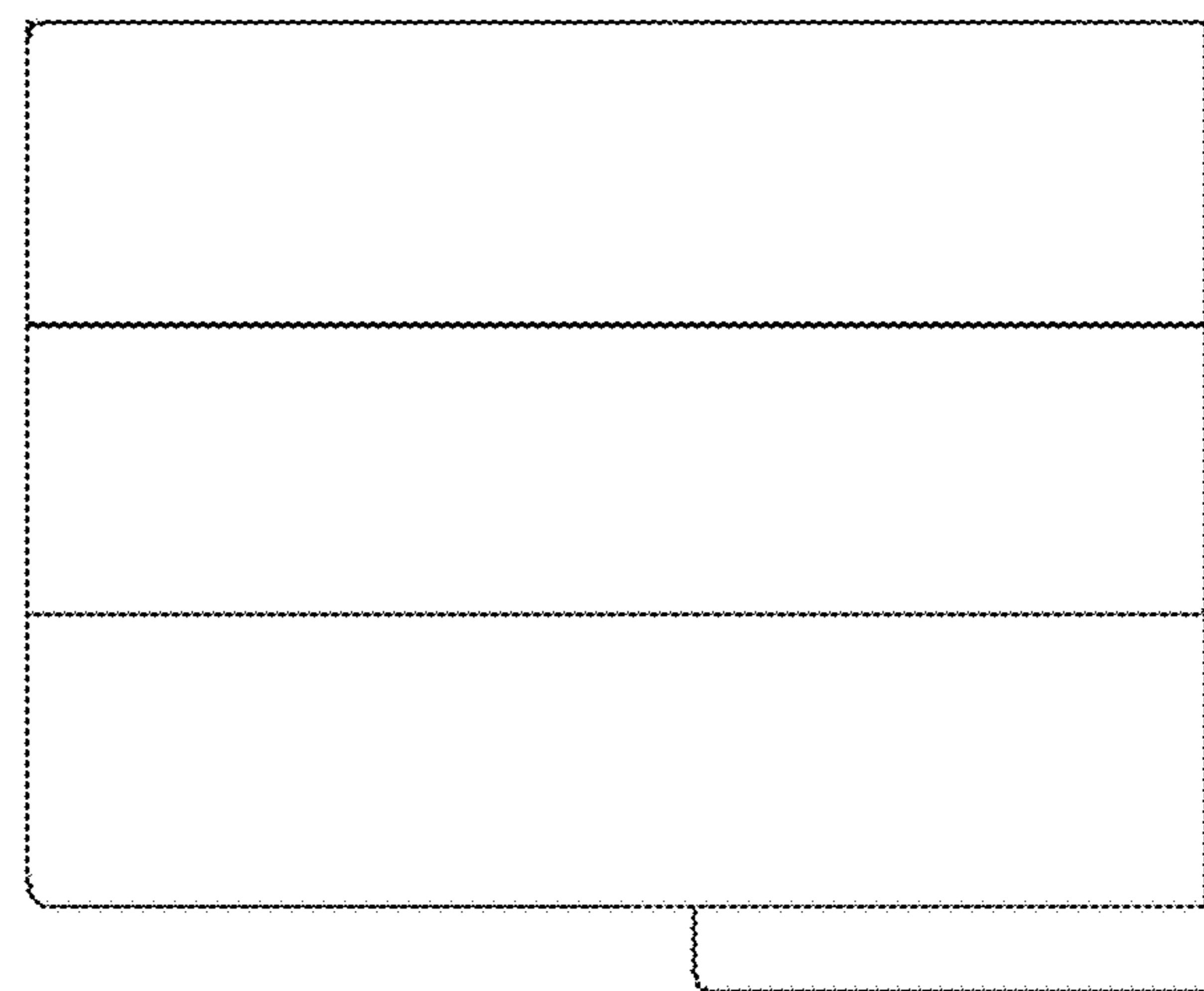


Fig.18

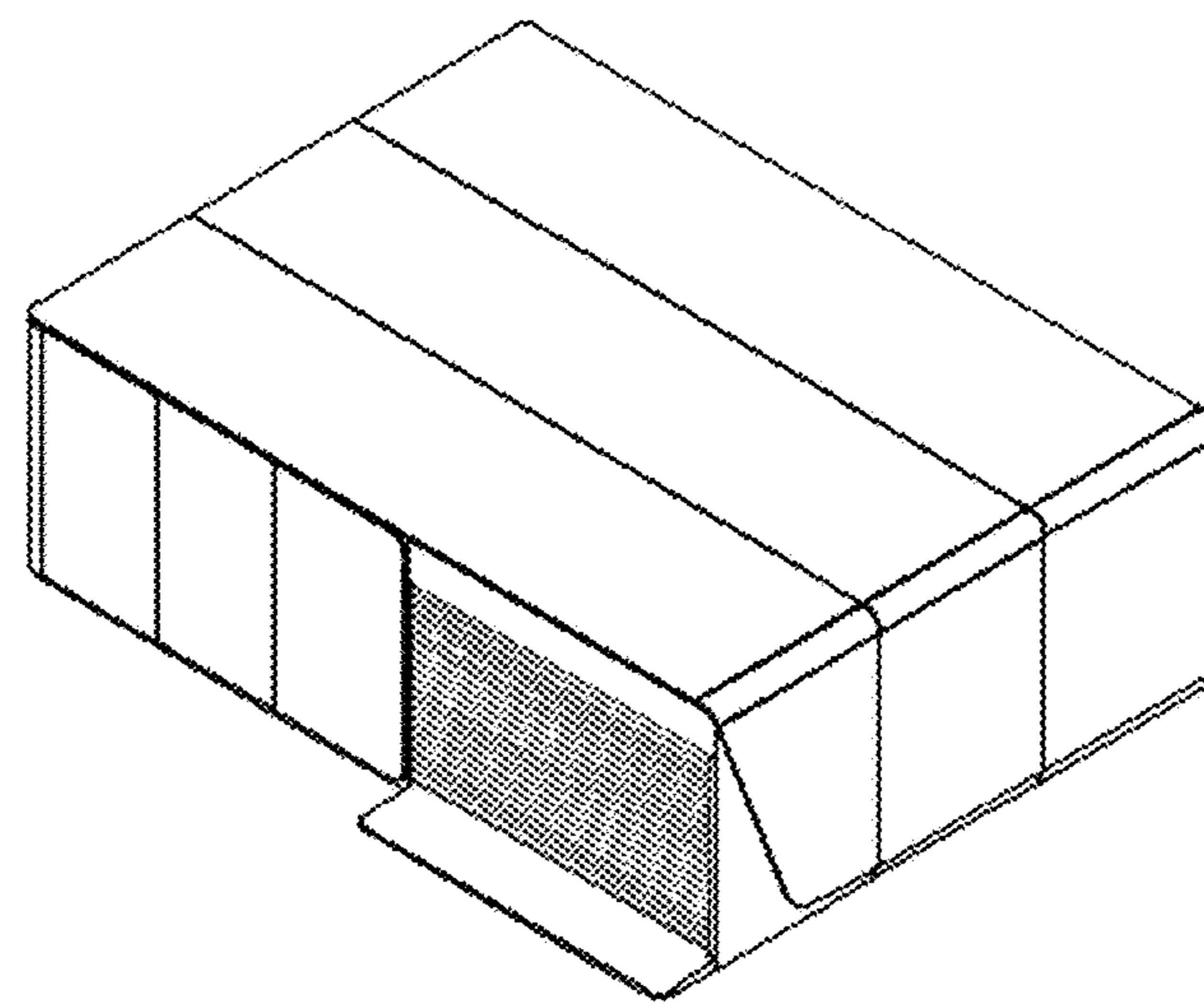


Fig.19

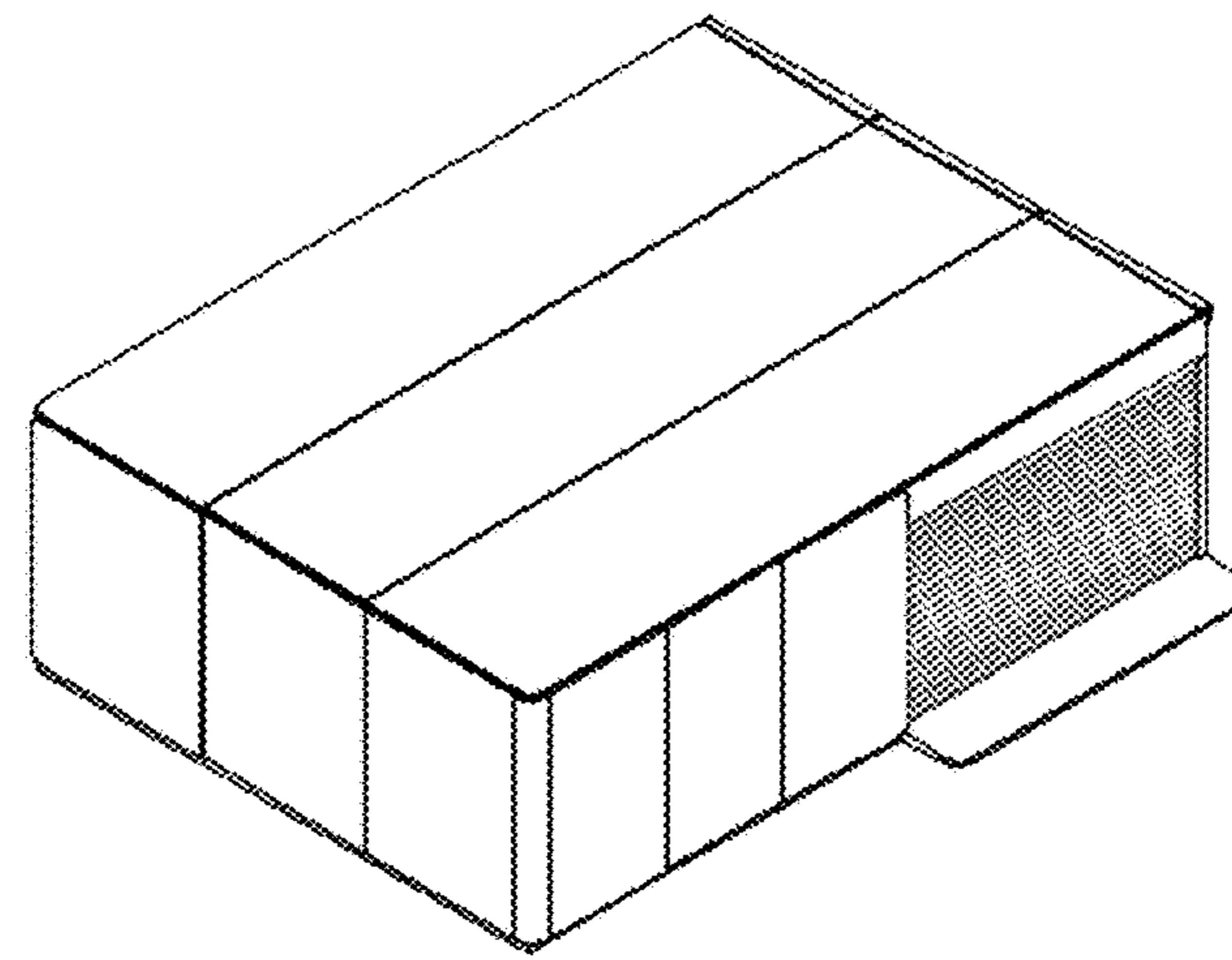


Fig.20

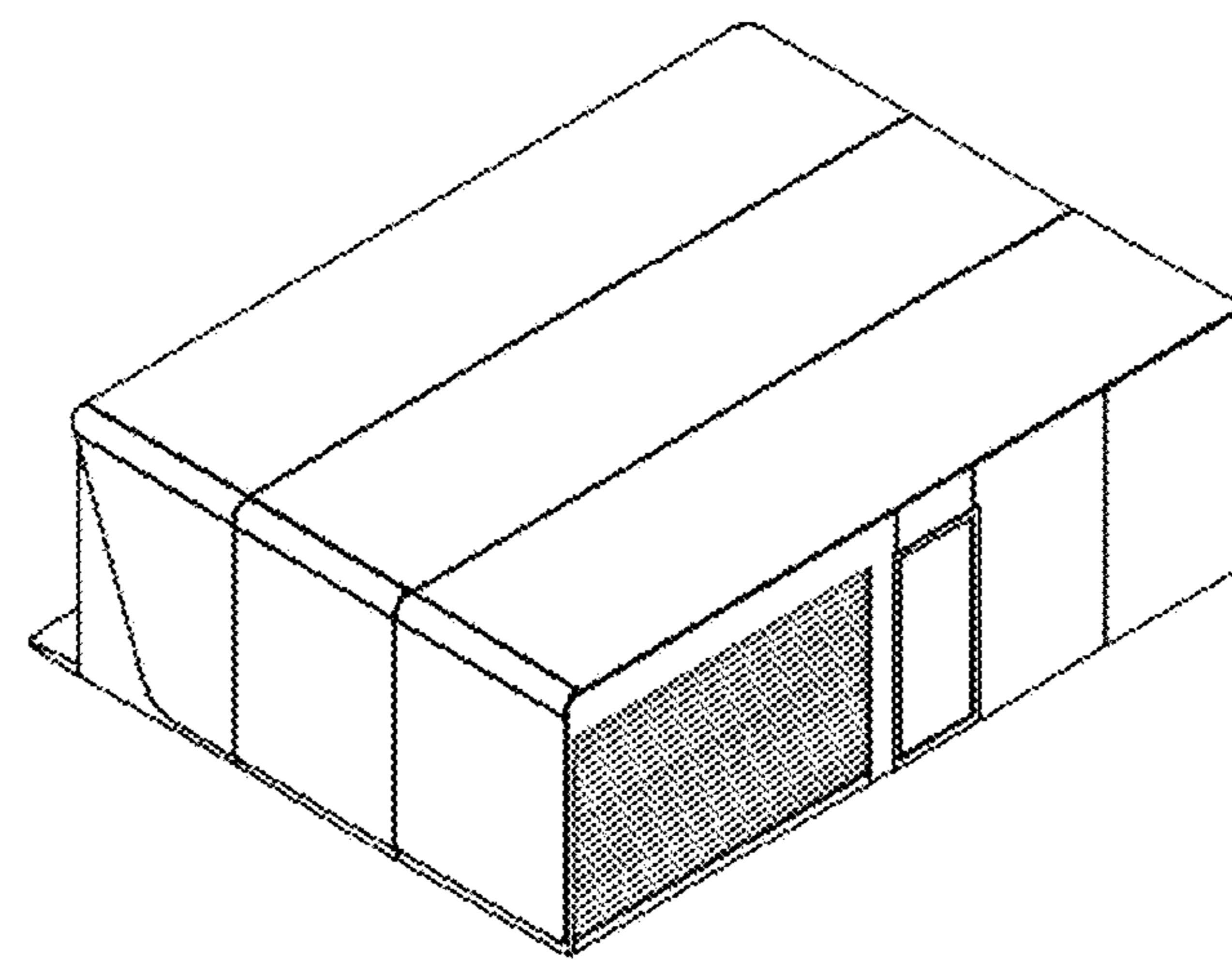


Fig.21

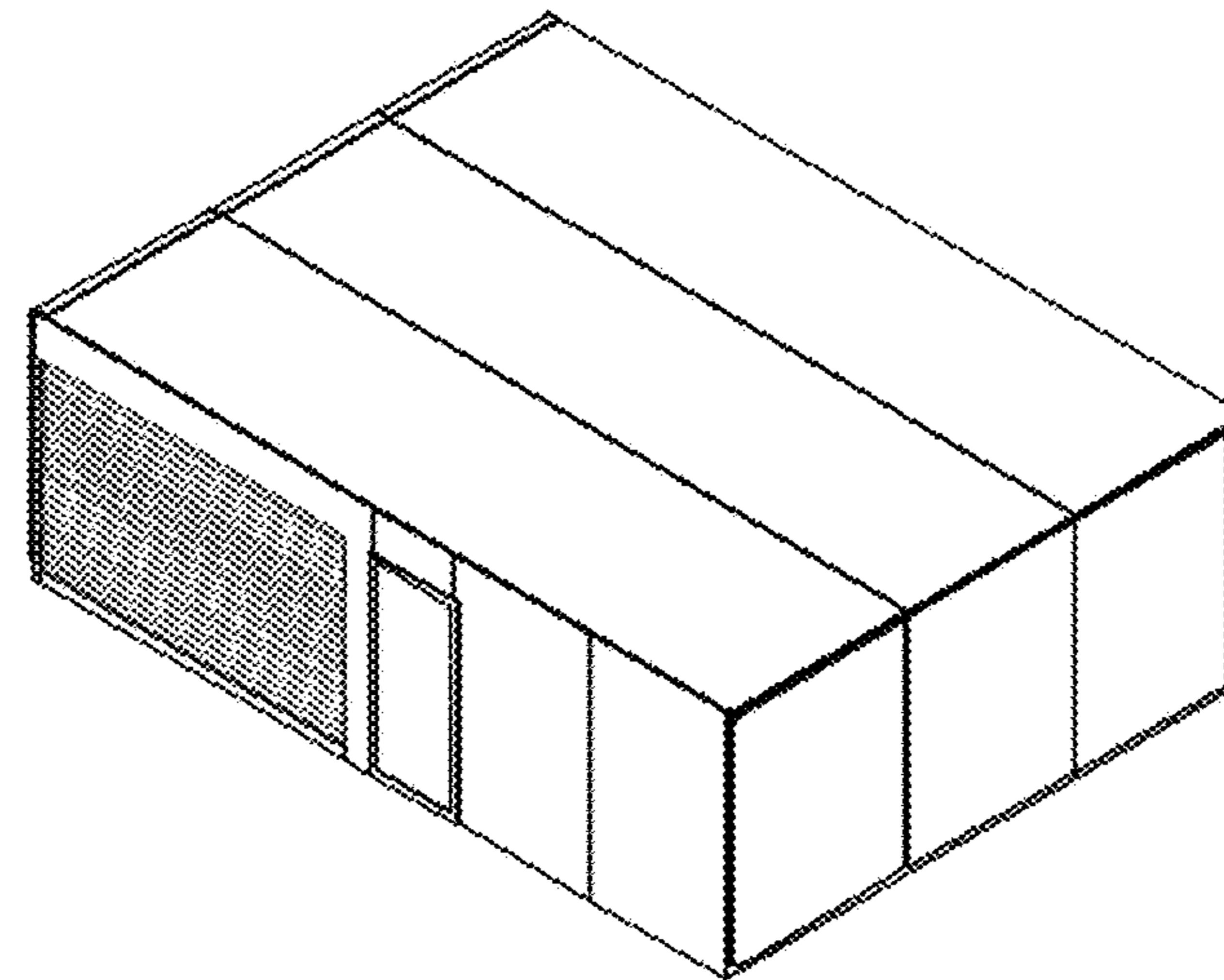


Fig.22

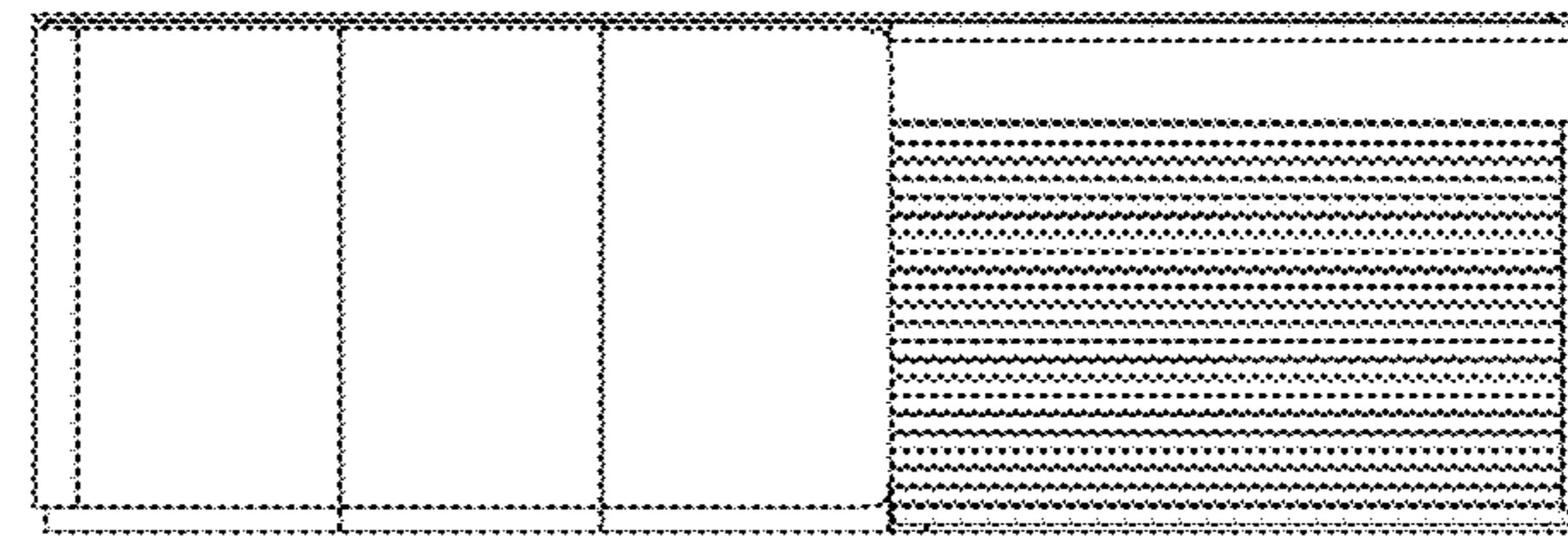


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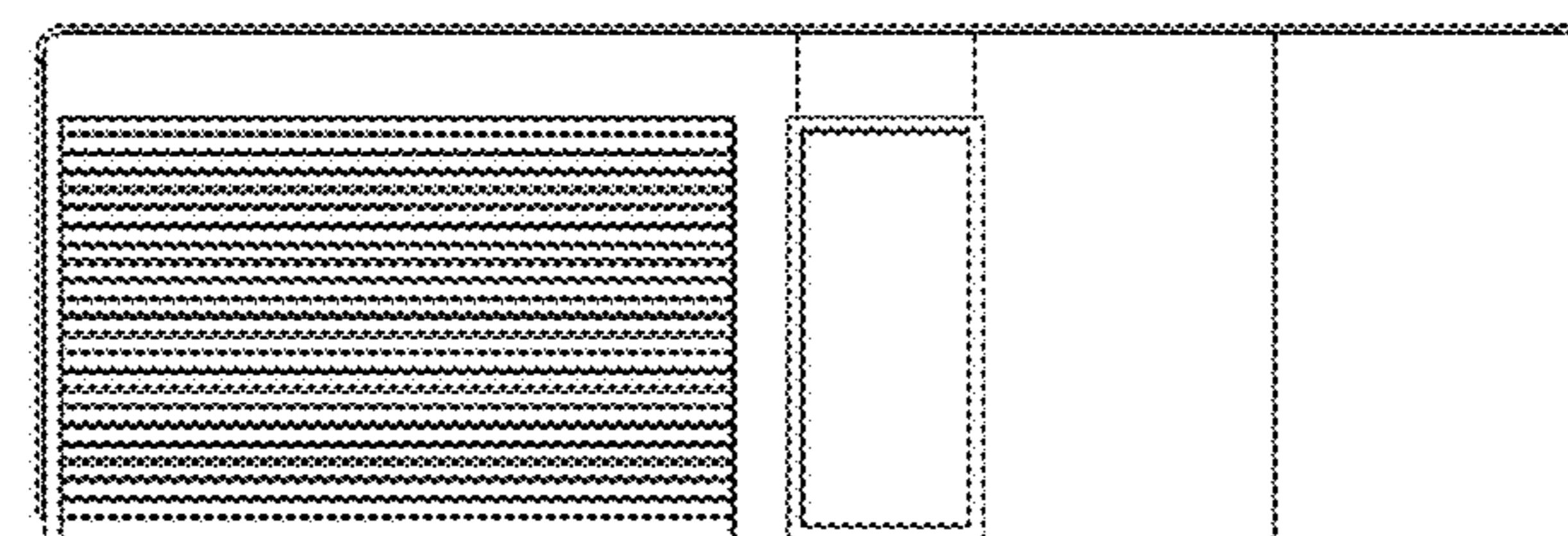


Fig.24

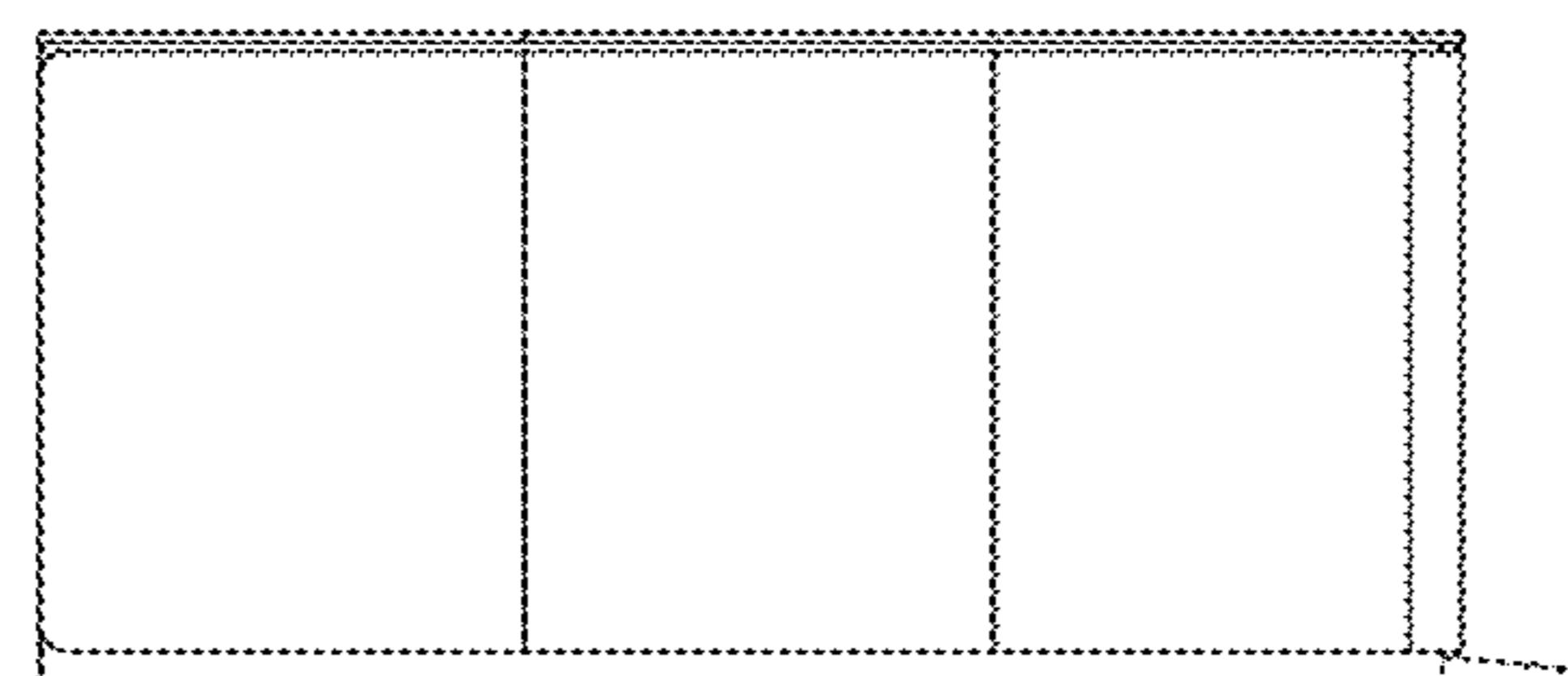


Fig.25

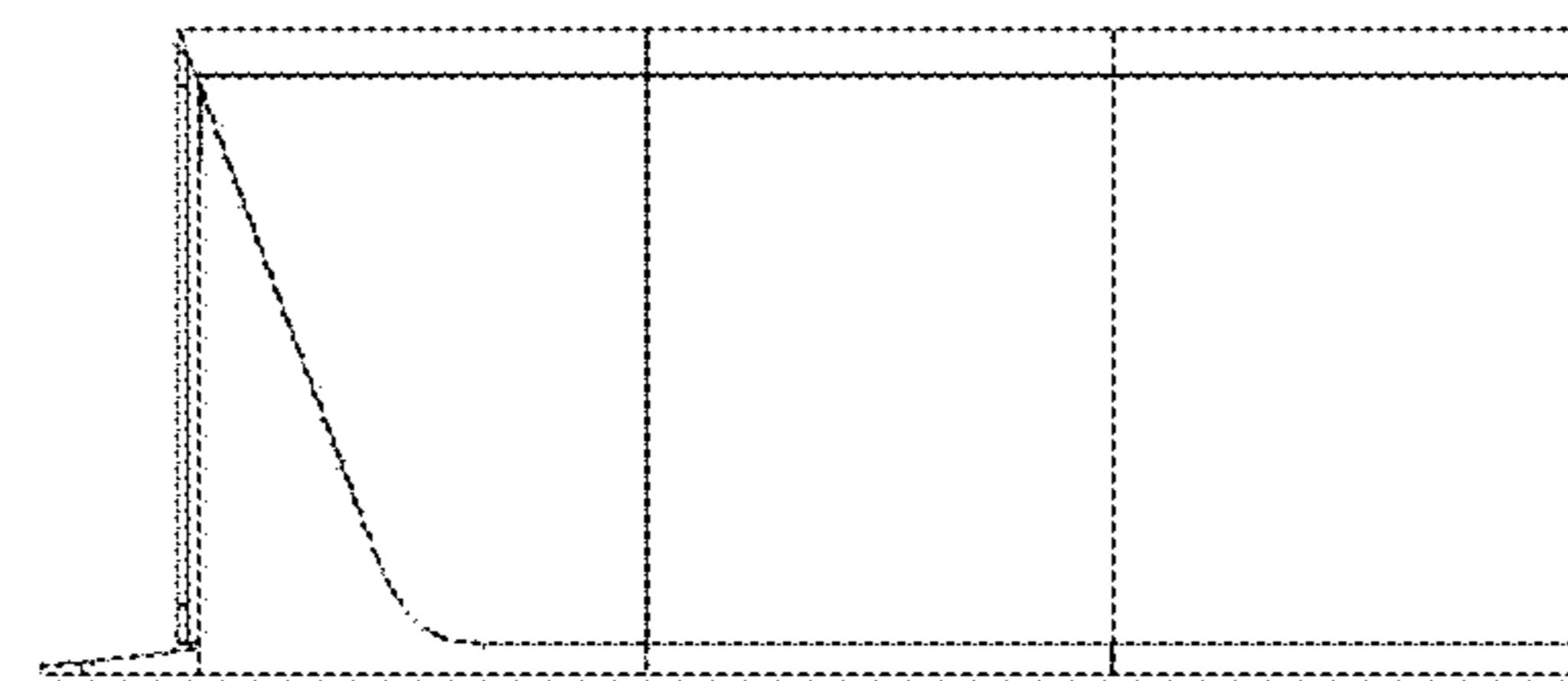


Fig.26

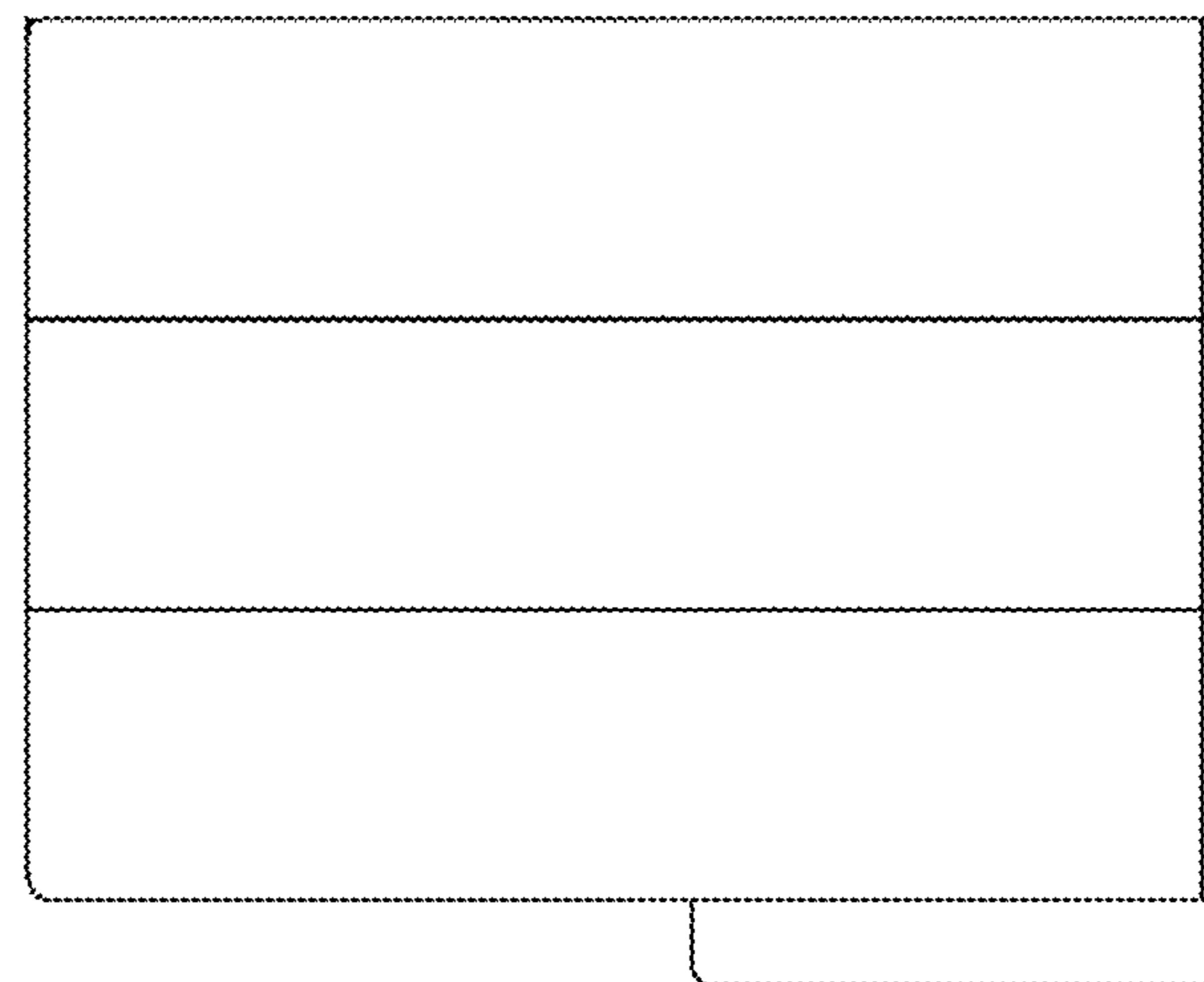


Fig.27