

Ricerca, Inc.

January 20, 1992

Mr. Kevin Null
US Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Re: License 34-0083-04

Log	Jan 20 11
Remitter	
Check No.	093588
Amount	\$630
Fee Category	310
Type of Fee	amc
Date Check Rec'd.	1/31/92
Date Completed	1/31/92
By:	PLJ

Dear Mr. Null:

This letter requests an amendment to Ricerca's specific license. In particular we would like to identify personnel that are no longer with Ricerca and delete them. In addition, there are new scientists employed that will use isotopes and need to be added to the license. Lastly, we would update the list of specific laboratories/areas within the complex that will store or use radiolabelled chemicals.

Deletions in item 12

B. Russell Buchman
F. Stephen J. Burns
Y. Eugene D. Medvedeff

Additions in item 12 (Training and Experience attached)

Andrew H. Terris
Charlotte Huhtanen
Yahong Liu

David Pellack
Eric L. Krepp
Lisa A. Mathews

Additional laboratories where isotopes are used or stored.

1. High Pressure Lab (HP)
2. Life Science Building Lab 115A, 122, 129, 152
3. Headquarters Building Lab 156, 157, 33, 36, 37, 38
4. Headquarters Building Environmental Chambers 57
5. Headquarters Building Environmental Photolysis 247
6. Headquarters Building Instrument Room 221
7. Headquarters Building Freezer (Western most unit behind HQ)
8. Life Science Building Cooler 39

RECEIVED

JAN 23 1992

REGION III

JAN 23 1992

7528 Auburn Road • P.O. Box 1000 • Painesville, Ohio 44077-1000
Telex: 196212RICERCA UT • Fax: 216/354-4415 • 216/357-3300

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PDR FOIA
DUGAS96-73 PDR

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92889

Page Two
Mr. Kevin Null
January 20, 1992

Ricerca, Inc.

Intermittent use laboratories are:

1. Headquarters Building Lab 134,135,136,137,138,147,
148,149,150,151,152,153,235,236,237,238,239,240,241,
242,243

Laboratory layouts for labs/areas and equipment/facilities are attached.

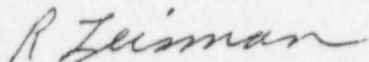
A check in the amount of \$630.00 for category 3M is attached and is intended to cover the cost of the amendment to this license.

If you have questions concerning this request, please call 216/357-3574.

Thank you for your consideration.

Sincerely,

Ricerca, Inc.



Richard J. Leisman
Safety and Hazardous Material Officer

jw

Attachments

TRAINING AND EXPERIENCE OF BYPRODUCT USER

Individual User (Name and title and individual who will use or directly supervise use of byproduct material. Give training and experience below.)

Name: Andrew Terris

Title: Asst. Chemist

Type of Training

	Where Trained	Duration of Training	On The Job	Formal Course
a. Principles and practices of radiation protection	University Hospitals/ CWRU	1 day		✓
b. Radioactivity measurement standardization and monitoring techniques and instruments	↓		✓	
c. Mathematics and calculations basic to the use and measurement of radioactivity			✓	
d. Biological effects of radiation	↓			✓

Experience with Radiation (Actual use of radioisotopes or equivalent experience)

Isotope	Maximum Amount	Where Experience Was Gained	Duration of Experience	Type of Use
¹¹ C	2-3 Ci	Univ. Hosp	2 y	Synthetic chem.
¹⁵ O	500 mCi	"	"	"
¹³ N	500 mCi	"	"	"
¹⁸ F	500 mCi	"	"	"
¹⁴ C	500 μCi	CWRU	1 y	Tracer exp.
³ H	500 μCi	"	"	"

TRAIT	AGE AND EXPERIENCE OF BYPRO	FT USER
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Individual User (Name and title and individual who will use or directly supervise use of byproduct material. Give training and experience below.)

Name: Charlotte Huhtanen

~~Title:~~ Senior Lab. Technician

Type of Training

	Where Trained	Duration of Training	On The Job	Formal Course
a. Principles and practices of radiation protection	Ricerca, Inc.	8 months	Yes	No
b. Radioactivity measurement standardization and monitoring techniques and instruments	Ricerca, Inc.	8 months	Yes	No
c. Mathematics and calculations basic to the use and measurement of radioactivity	Ricerca, Inc.	4 months	Yes	No
d. Biological effects of radiation	Michigan State University	1 quarter	No	Yes

5 x 2 hr. Radiation Safety Video Tapes, Ricerca, Inc.

Experience with Radiation (Actual use of radioisotopes or equivalent experience)

Isotope	Maximum Amount	Where Experience Was Gained	Duration of Experience	Type of Use
^{14}C	1 mCi	Ricerca, Inc.	1½ Years	Metabolism Study

TRAINING AND EXPERIENCE OF BYPRODUCT USER

Individual User (Name and title and individual who will use or directly supervise use of byproduct material. Give training and experience below.)

Name: Yahong Liu

Title: Research Biochemist

Type of Training

	Where Trained	Duration of Training	On The Job	Formal Course
a. Principles and practices of radiation protection	National Institute of Environmental Health Sciences (NIEHS) RTP, NC	3 hr.	X	Yes
b. Radioactivity measurement standardization and monitoring techniques and instruments	NIEHS		X	
c. Mathematics and calculations basic to the use and measurement of radioactivity	NIEHS		X	
d. Biological effects of radiation	Hubei Medical College Wuhan, P.R.C.	Quarter		Yes

5 x 2 hr. Radiation Safety video tapes, Ricerca, Inc.

Experience with Radiation (Actual use of radioisotopes or equivalent experience)

Isotope	Maximum Amount	Where Experience Was Gained	Duration of Experience	Type of Use
³ H	1 mCi	NIEHS	3½ Years	Metabolism Study
¹⁴ C	0.1 mCi	NIEHS	1 month	Metabolism Study
¹⁴ C	1 mCi	RICERCA, INC.	1 year	Metabolism Study
CONTROL NO.				92889

TRAINING AND EXPERIENCE OF BYPRODUCT USER

Individual User (Name and title and individual who will use or directly supervise use of byproduct material. Give training and experience below.)

Name: David Pellack

Title: Senior Laboratory Technician

Type of Training

	Where Trained	Duration of Training	On The Job	Formal Course
a. Principles and practices of radiation protection	C.W.R.U. Ricerca, Inc.	1 Year 1 Day 1.5 Year 1 Day	X X	X X
b. Radioactivity measurement standardization and monitoring techniques and instruments	C.W.R.U. Ricerca, Inc.	1 Year 1 Day 1.5 Year 1 Day	X X	X X
c. Mathematics and calculations basic to the use and measurement of radioactivity	C.W.R.U. Ricerca, Inc.	1 Year 1 Day 1.5 Year 1 Day	X X	X X
d. Biological effects of radiation	Ricerca, Inc.	1 Day	---	X

Experience with Radiation (Actual use of radioisotopes or equivalent experience)

Isotope	Maximum Amount	Where Experience Was Gained	Duration of Experience	Type Use
^{125}I	1 mCi	S.U.N.Y. at Stoney Brook	2 Semesters	Research
^{32}P	1 mCi	C.W.R.U.	1 Year	Research
^{14}C	1 mCi	Ricerca, Inc.	1.5 Year	Metabolism Studies

TRAINING AND EXPERIENCE OF BYPRC CT USER

Individual User (Name and title and individual who will use or directly supervise use of byproduct material. Give training and experience below.)

Name: Eric L. Krepp

Title: Senior Laboratory Technician

Type of Training

	Where Trained	Duration of Training	On The Job	Formal Course
a. Principles and practices of radiation protection	Ricerca, Inc.	8 months	Yes	No
b. Radioactivity measurement standardization and monitoring techniques and instruments	Ricerca, Inc.	8 months	Yes	No
c. Mathematics and calculations basic to the use and measurement of radioactivity	Ricerca, Inc.	4 months	Yes	No
d. Biological effects of radiation	Ricerca, Inc./ Youngstown State	0 mo./2 mo.	No	Yes

5 x 2 hr. Radiation Safety Video Tapes, Ricerca, Inc.

Experience with Radiation (Actual use of radioisotopes or equivalent experience)

Isotope	Maximum Amount	Where Experience Was Gained	Duration of Experience	Type of Use
^{14}C	1 mCi	Ricerca, Inc.	11 months	Metabolism Studies

TRAINING AND EXPERIENCE OF BYPRODUCT USER

Individual User (Name and title and individual who will use or directly supervise use of byproduct material. Give training and experience below.)

Name: Lisa A. Mathews

Title: Senior Lab. Technician

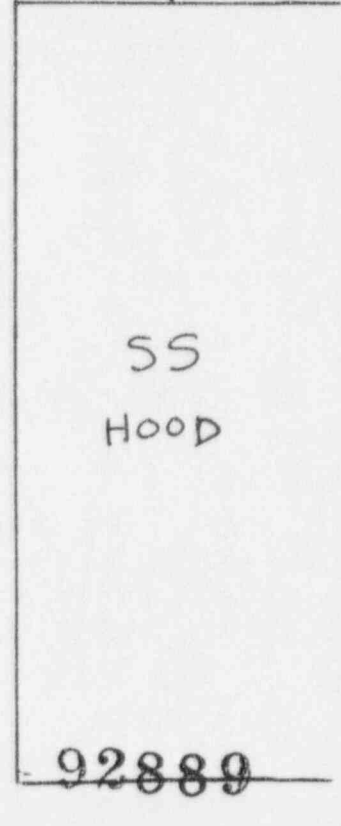
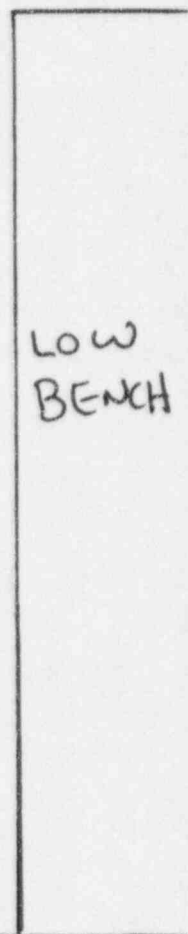
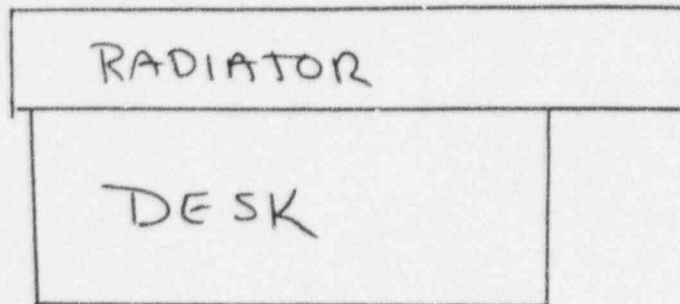
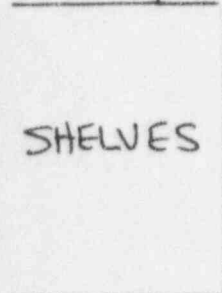
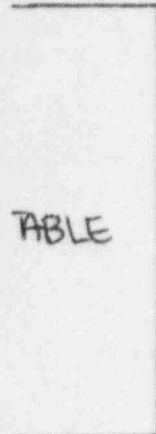
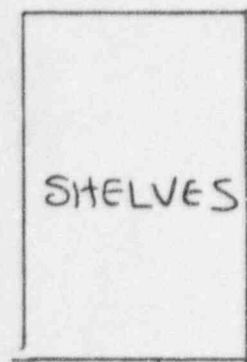
Type of Training

	Where Trained	Duration of Training	On The Job	Formal Course
a. Principles and practices of radiation protection	Ricerca, Inc.	8 months	yes	no
b. Radioactivity measurement standardization and monitoring techniques and instruments	Ricerca, Inc.	8 months	yes	no
c. Mathematics and calculations basic to the use and measurement of radioactivity	Ricerca, Inc.	4 months	yes	no
d. Biological effects of radiation	Ricerca, Inc.		no	no

Experience with Radiation (Actual use of radioisotopes or equivalent experience)

Isotope	Maximum Amount	Where Experience Was Gained	Duration of Experience	Type of Use
^{14}C	1 mCi	Ricerca, Inc.	8 months	Metabolism Studies
			CONTROL NO.	92889

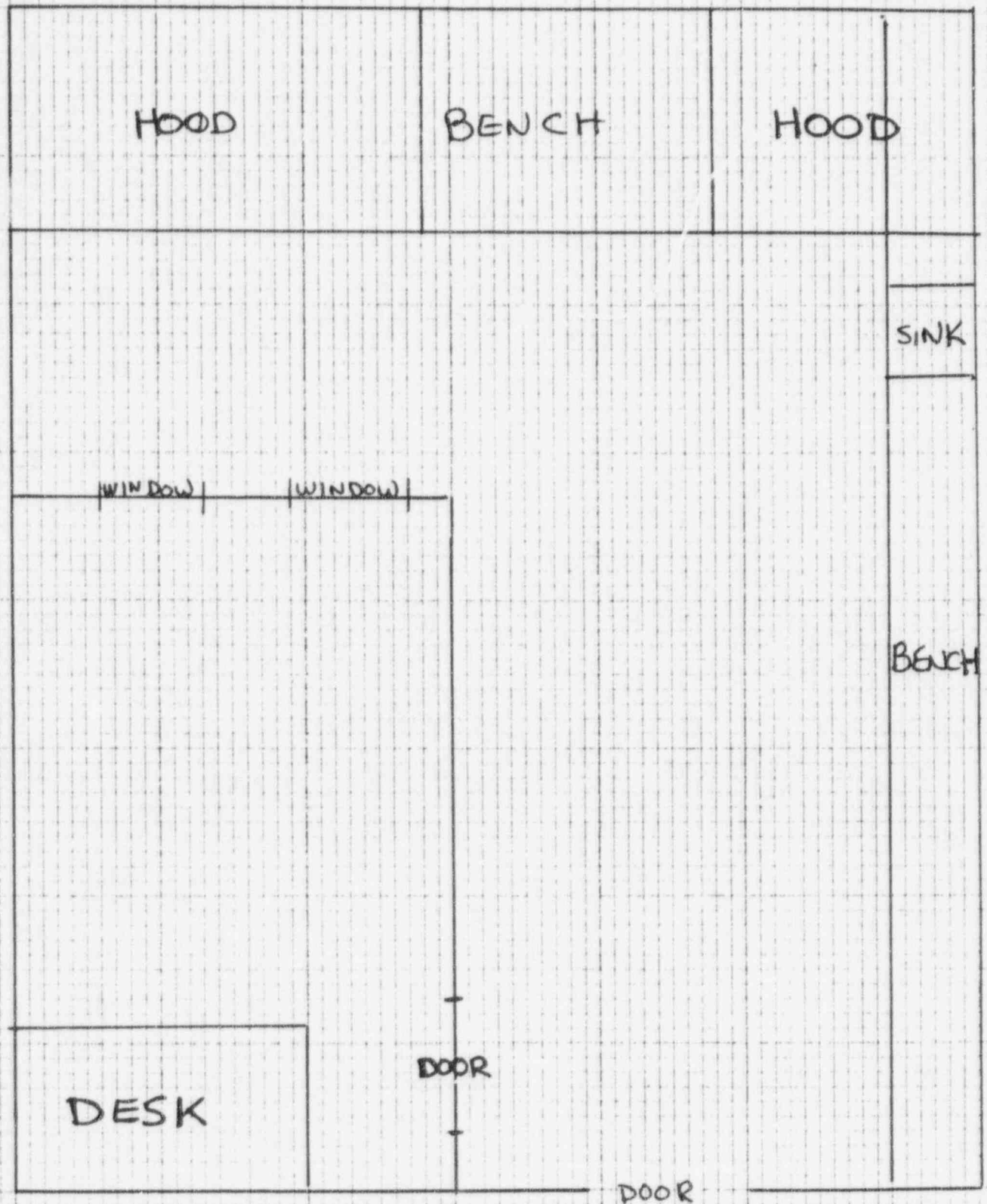
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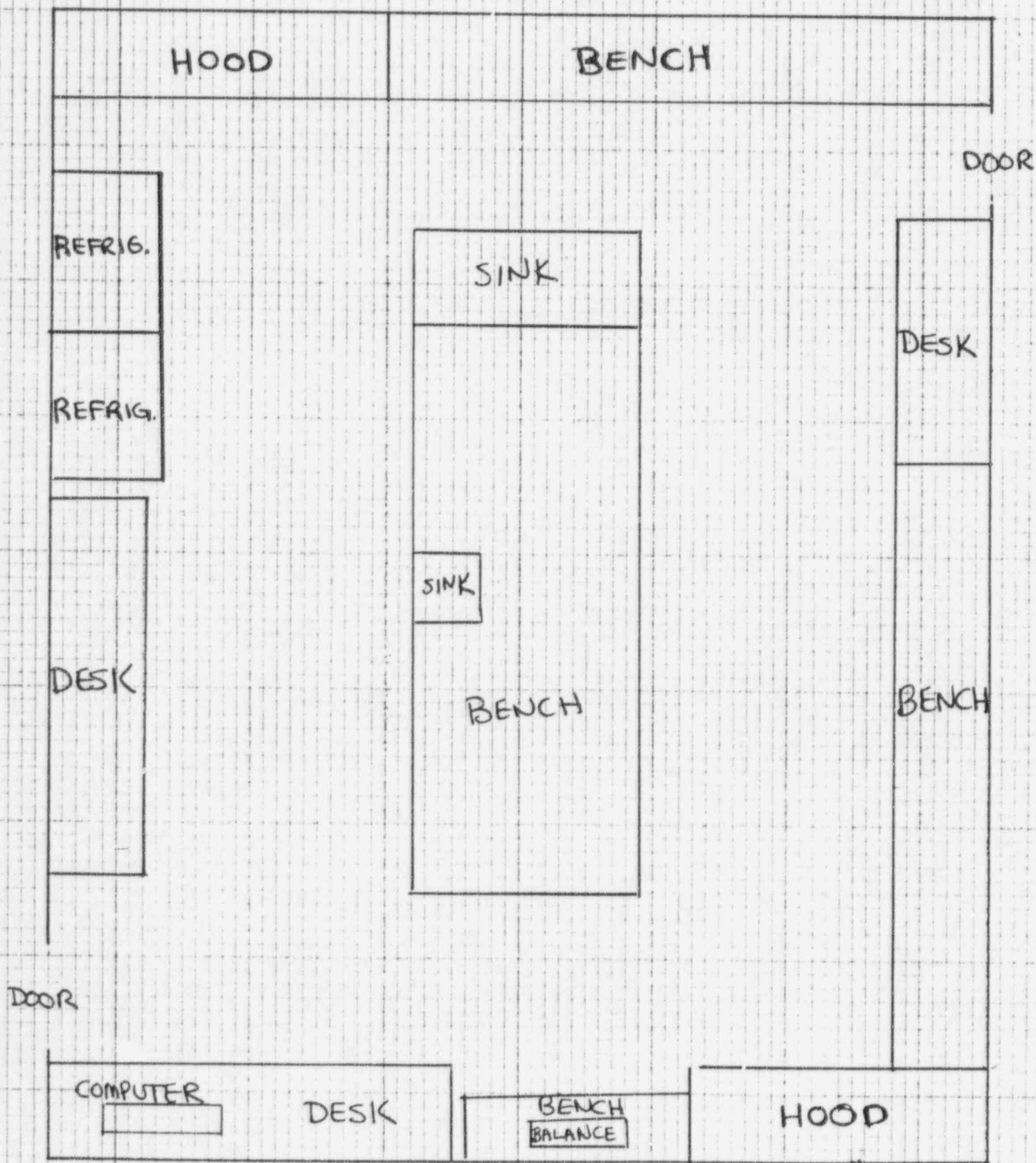
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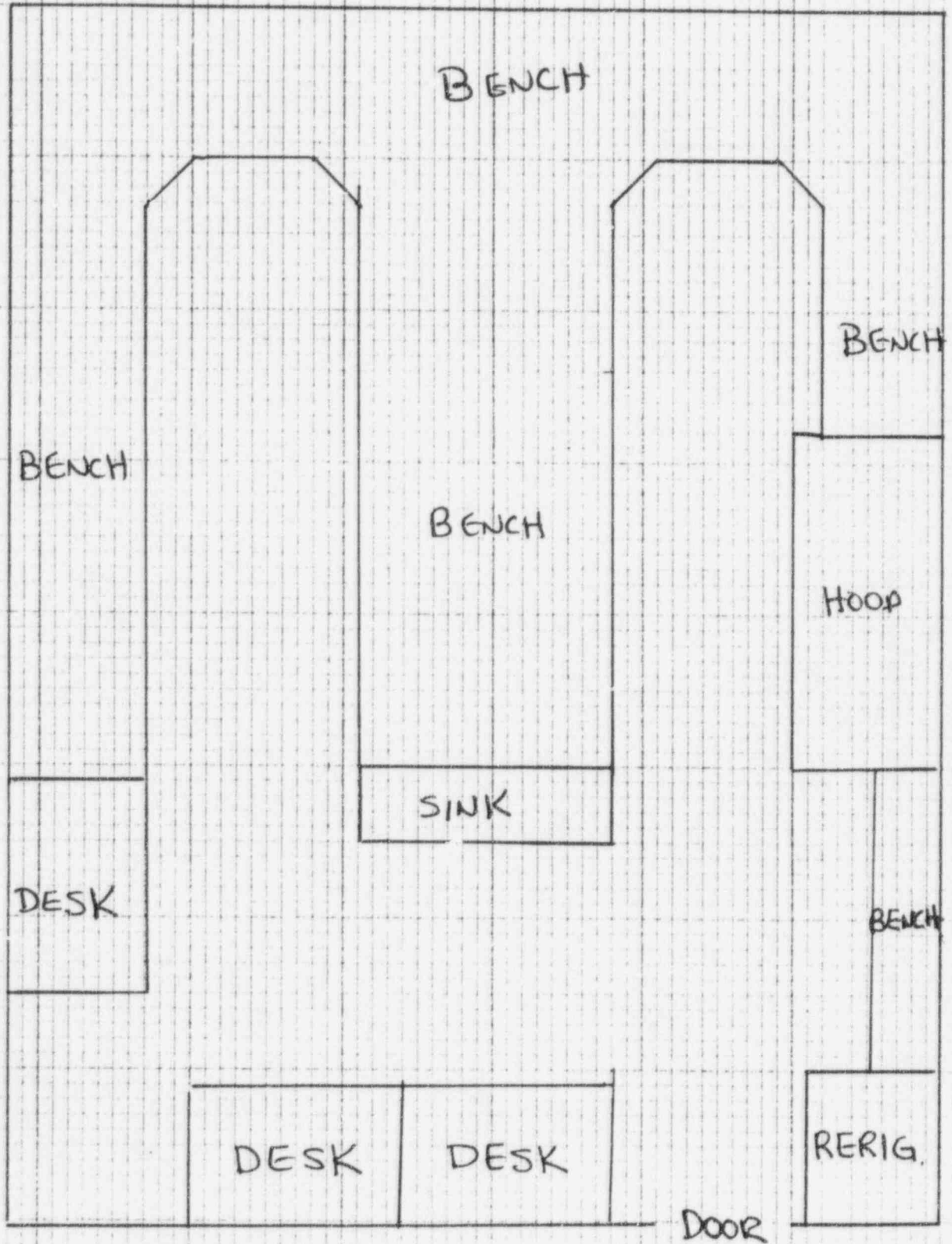
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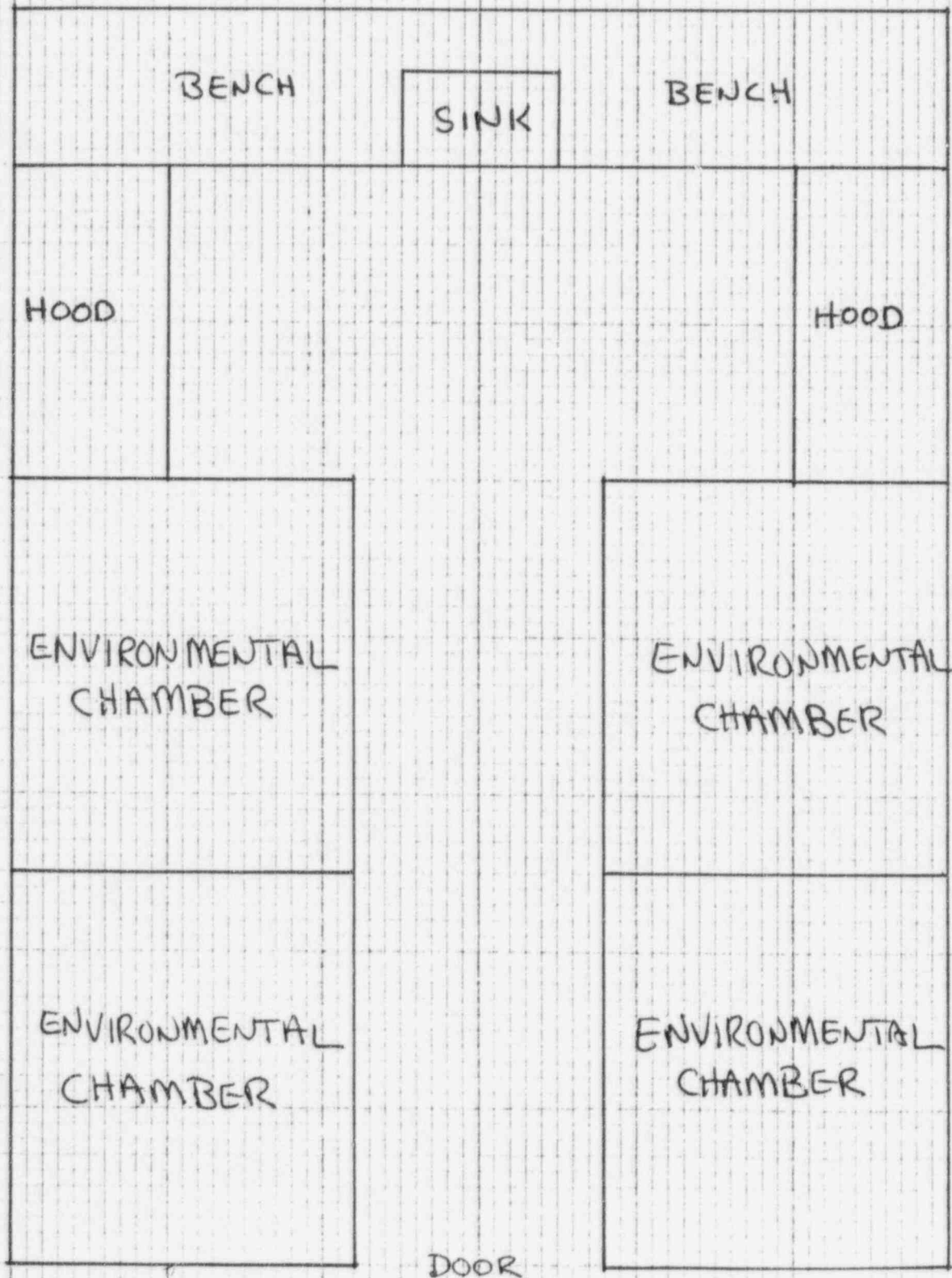
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LS 129

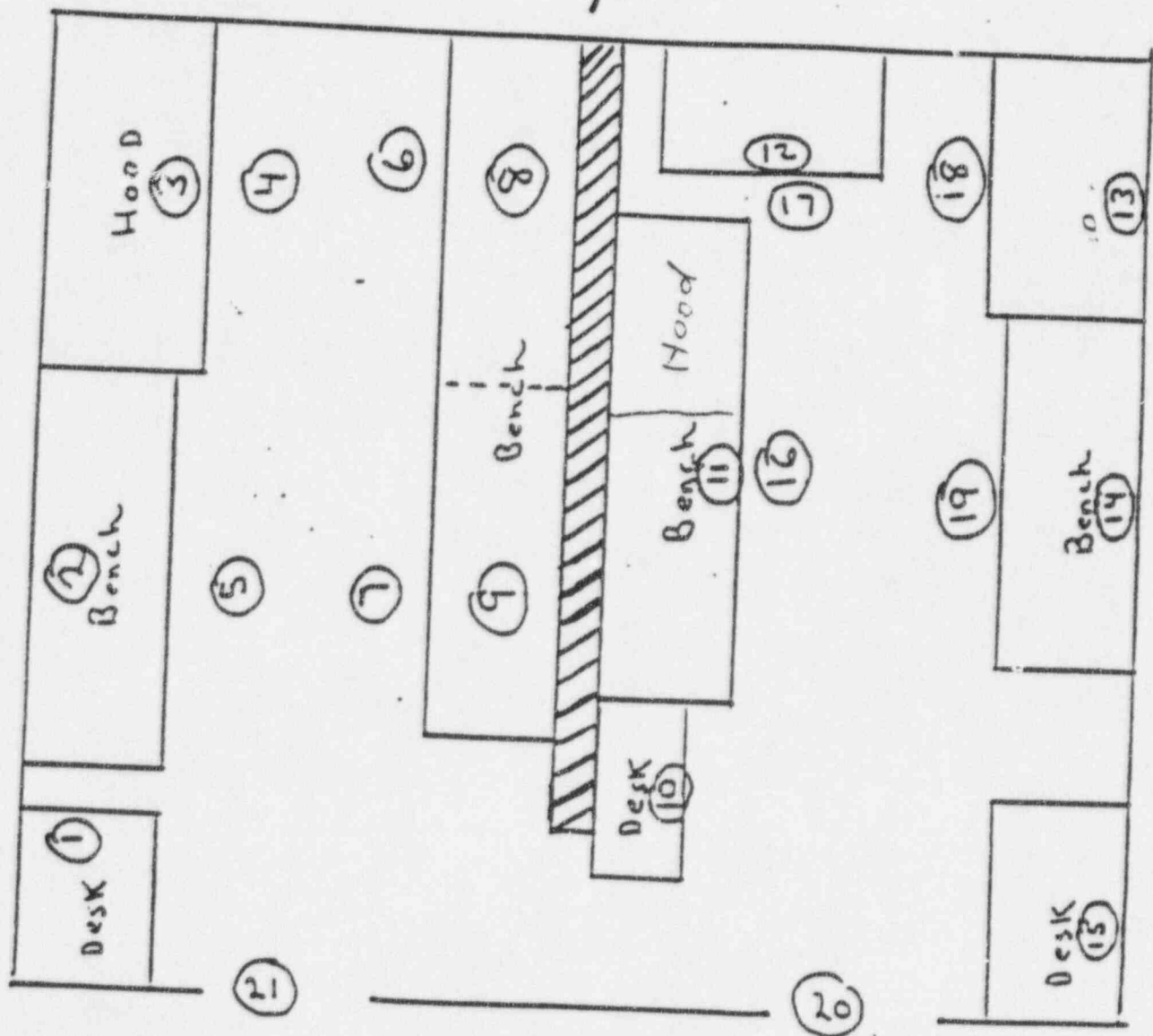


LS 152

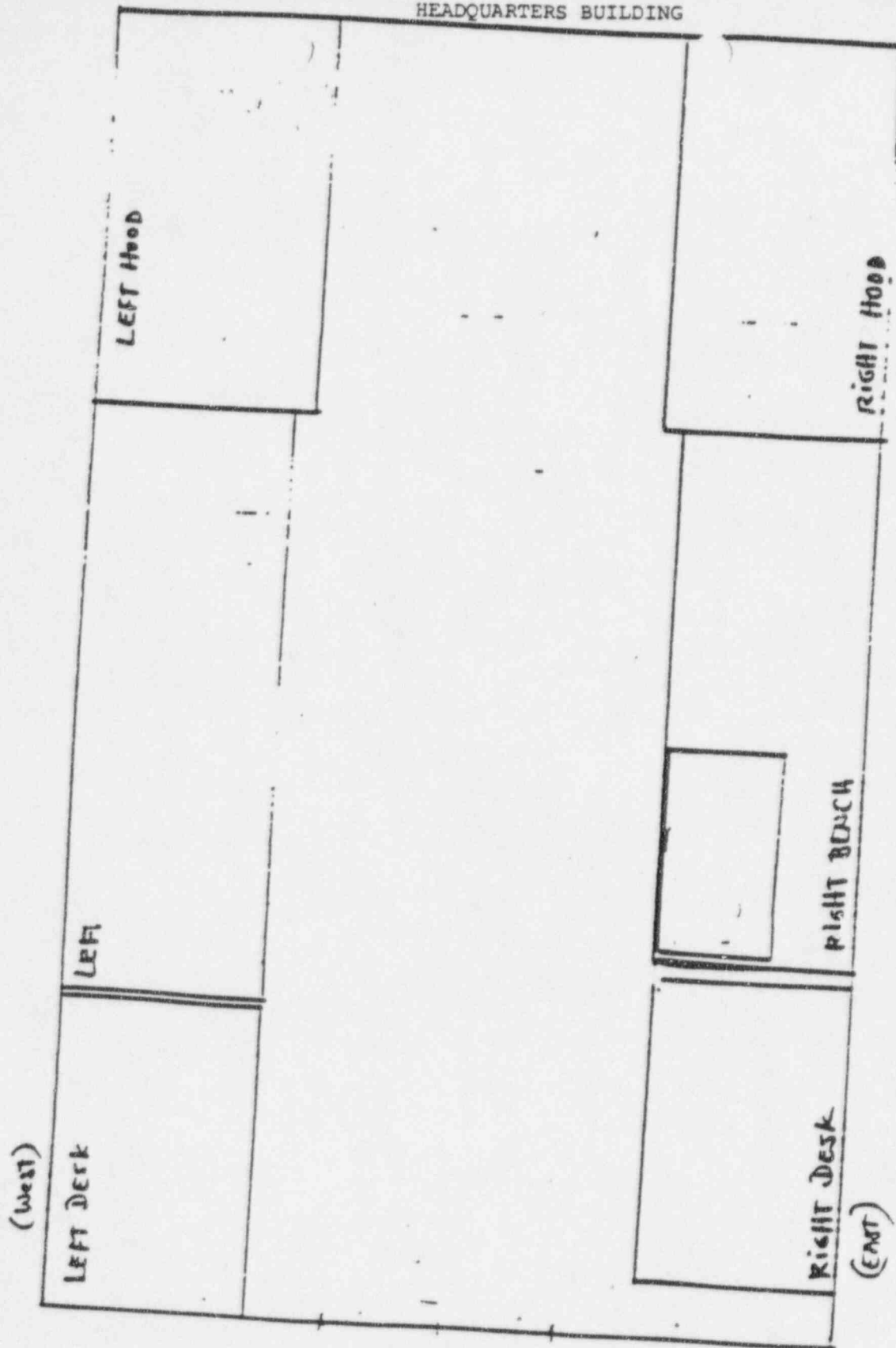


ENVIRONMENTAL SCIENCES

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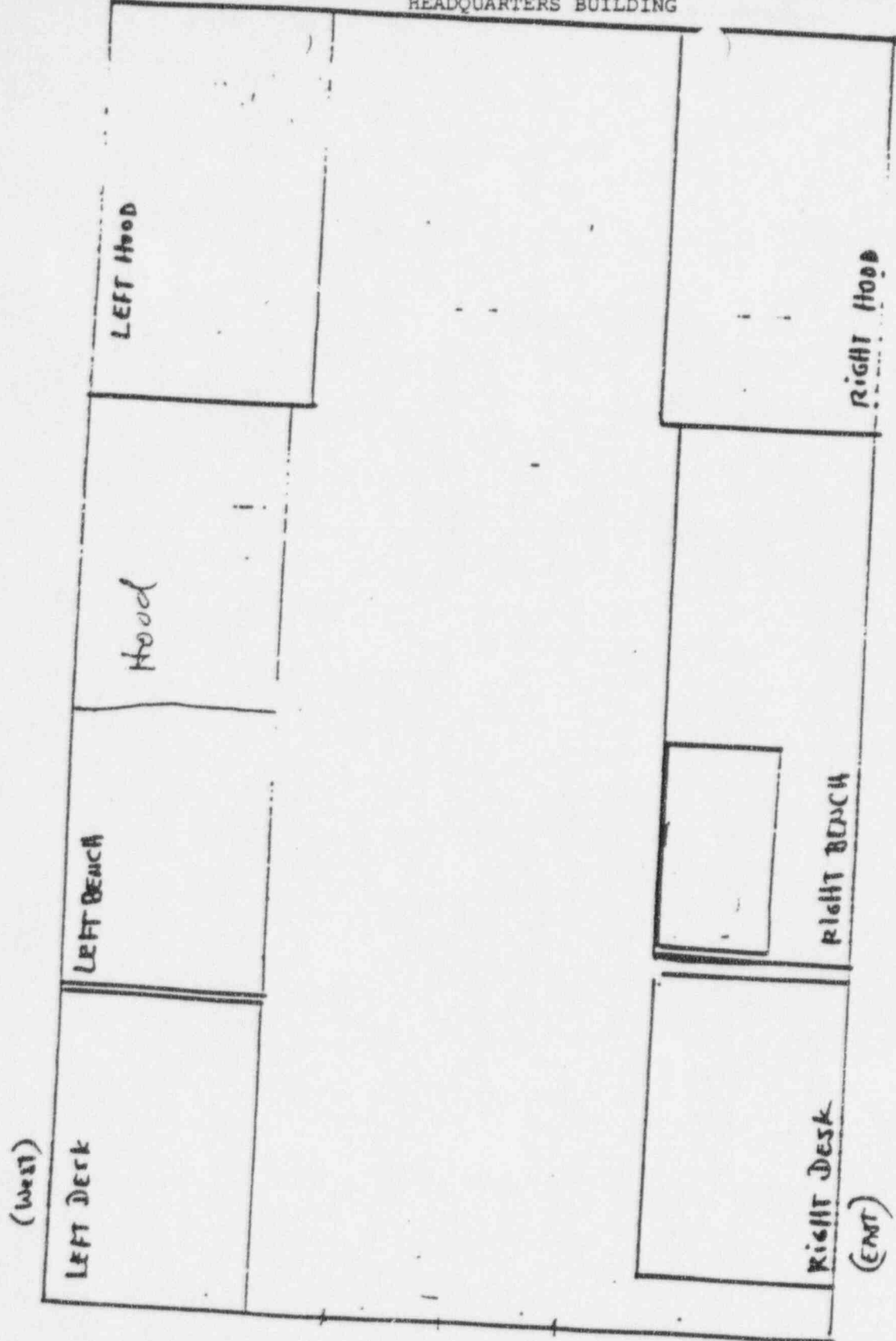
HEADQUARTERS BUILDING



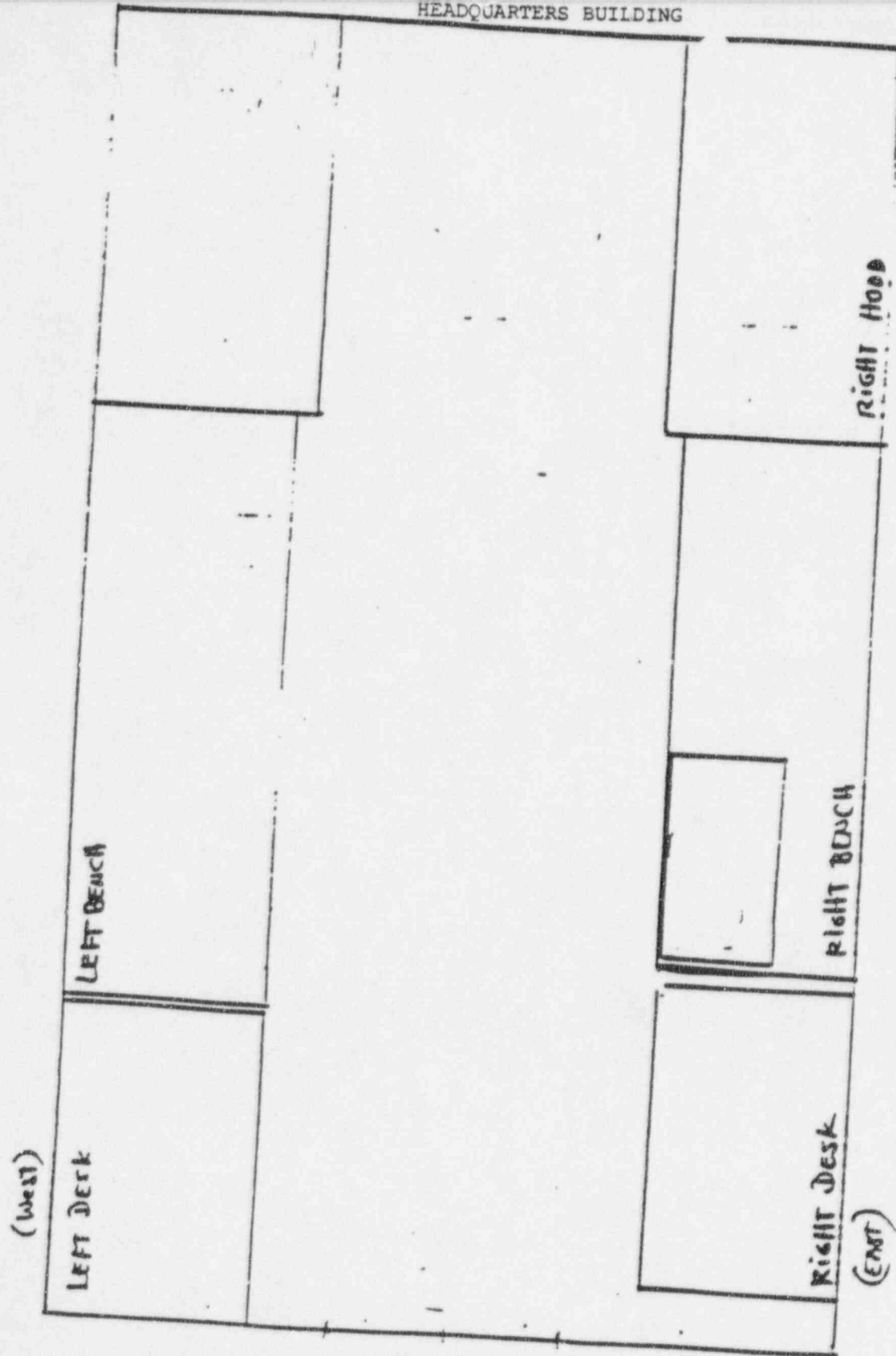
LAB 134 HQ
ENVIRONMENTAL
SCIENCES

CONTROL NO.

92889



DOOR
LAB 135 HQ
ENVIRONMENTAL
SCIENCES



DOOR
LAB 136 HQ
ENVIRONMENTAL
SCIENCES

water
bath

Lab 1

HEADQUARTERS BUILDING

hood

hood

hood

□□□

DR. KENSE

Environmental Sciences
Lab 137/138 HQ

file

file

desk

file

desk

Door

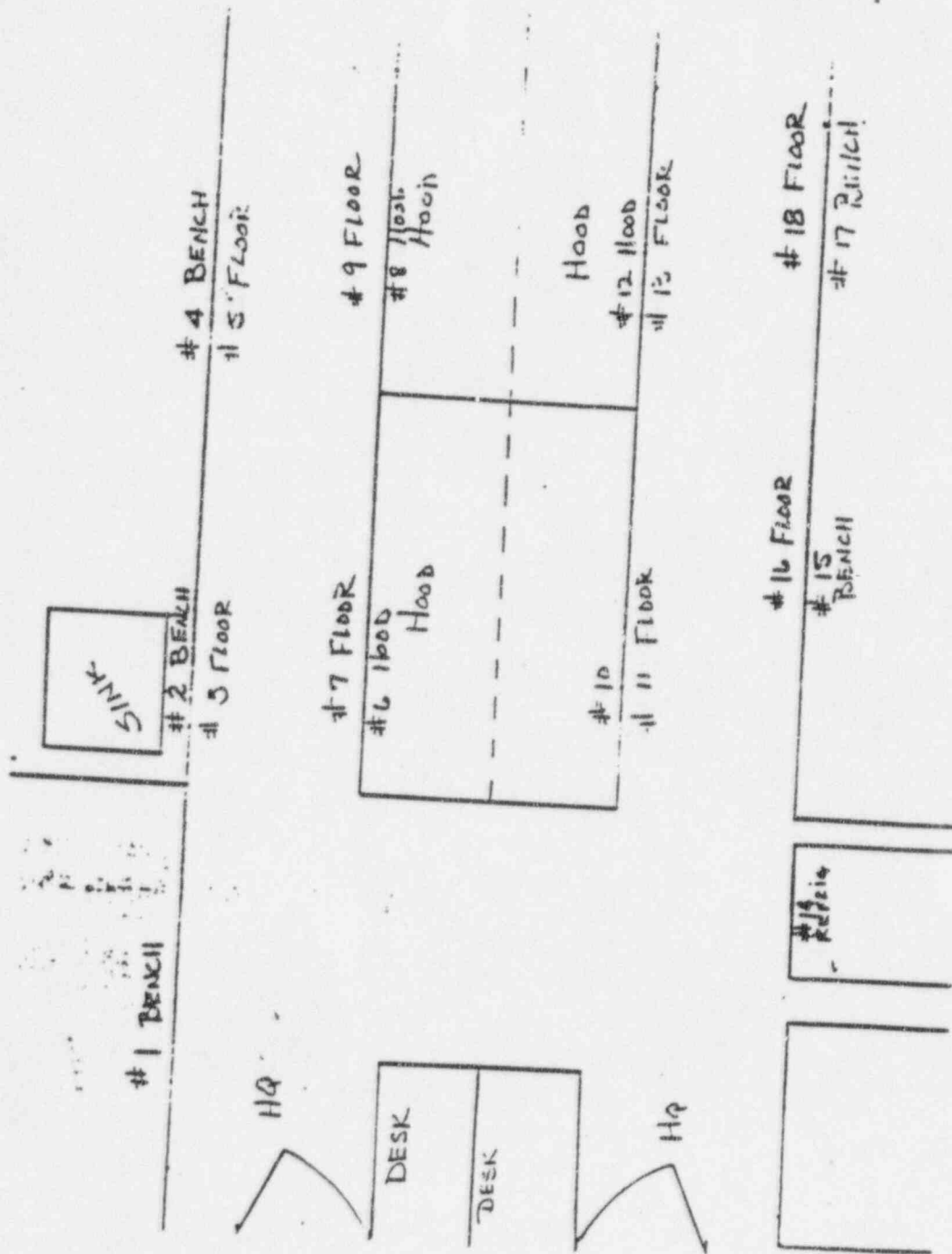
CONTROL NO.

92889

in Door

ENVIRONMENTAL SCIENCES

HQ 147, 148



water
bath

HEADQUARTERS BUILDING

hood

hood

hood

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Dr. KENSE

Environmental Sciences
Lab 149 / 150 HQ

file

file

desk

file

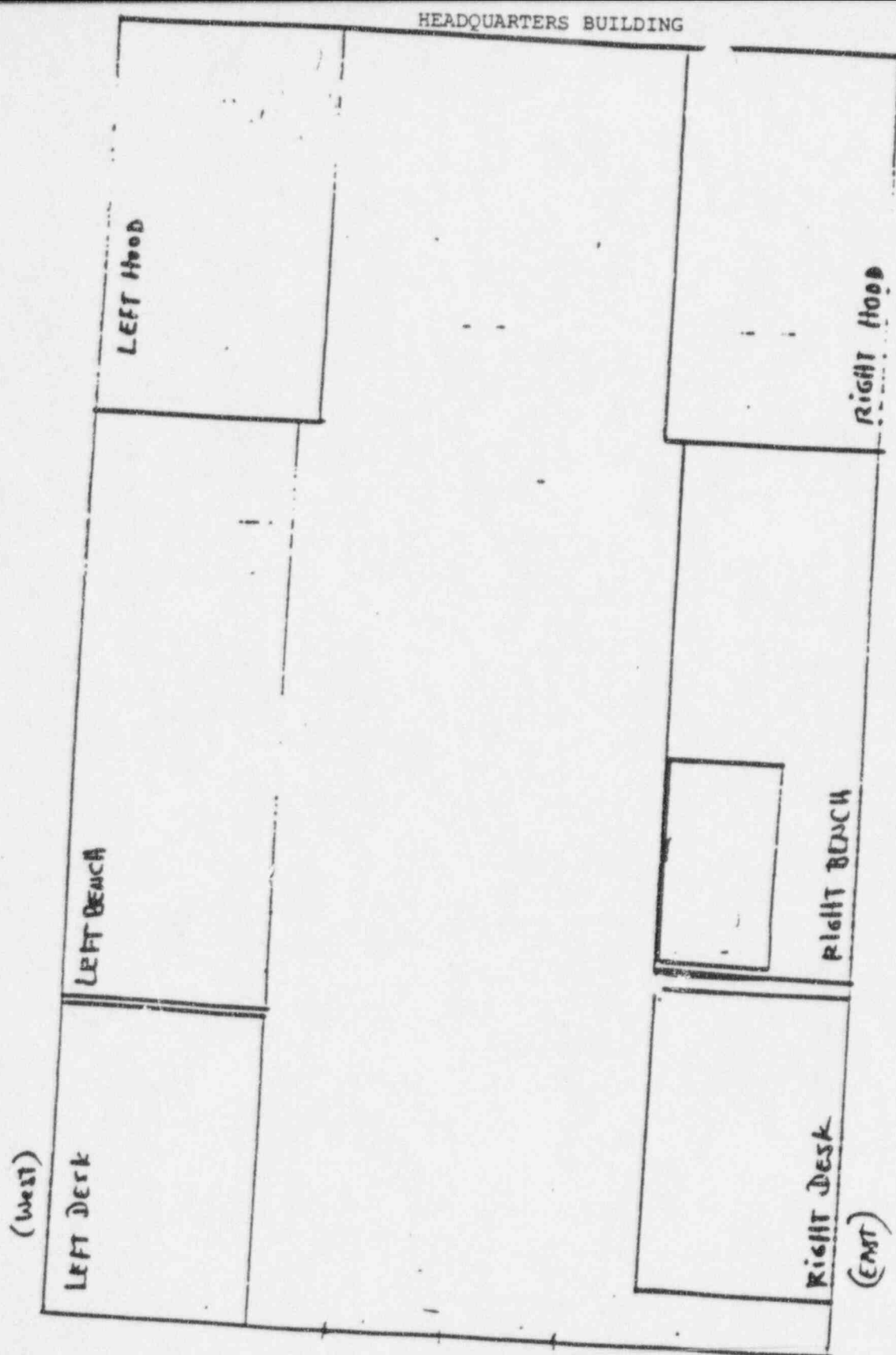
desk

CONTROL NO.

92889

Door

Door



DOOR
LAB 151, HQ
ENVIRONMENTAL
SCIENCES

CONTROL NO.

92889

water
bath

HEADQUARTERS BUILDING

hood

hood

hood

hood

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DR. KESSE

Lab 152/153 HQ
Environmental
Sciences

file

file

desk

file

desk

CONTROL NO.

92889

Door

in Door

printer

water
bath

HEADQUARTERS BUILDING

hood

hood

hood

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DR. REESE

Environmental Sciences
Lab 235/236 HQ

file

file

desk

file

desk

Door

Door

printer

water
bath

HEADQUARTERS BUILDING

hood

hood

hood

hood

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Dr. Reese

Environmental Sciences
Lab 237/238 HQ

file

file

desk

file

desk

Door

door in/out

CONTROL NO.

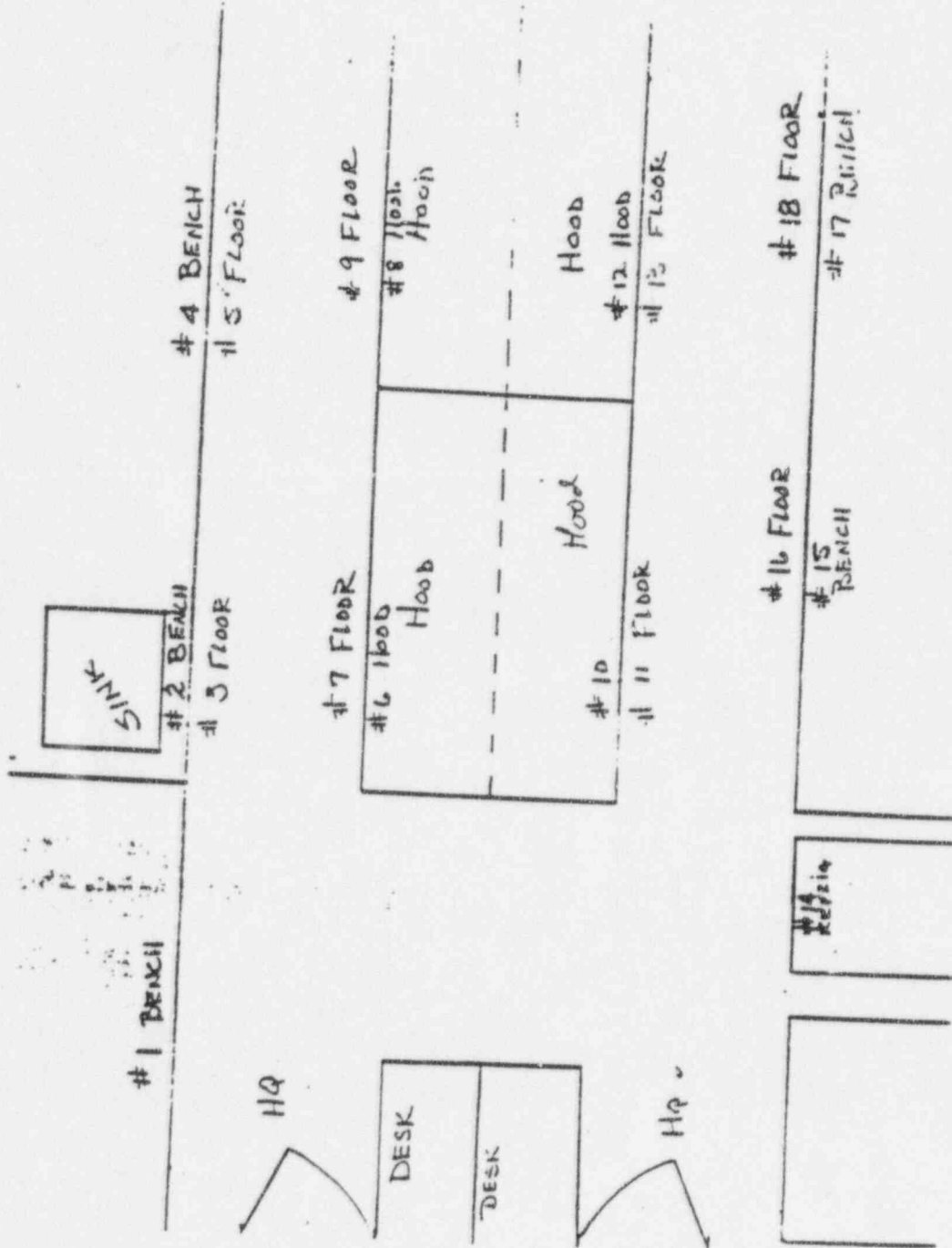
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92889

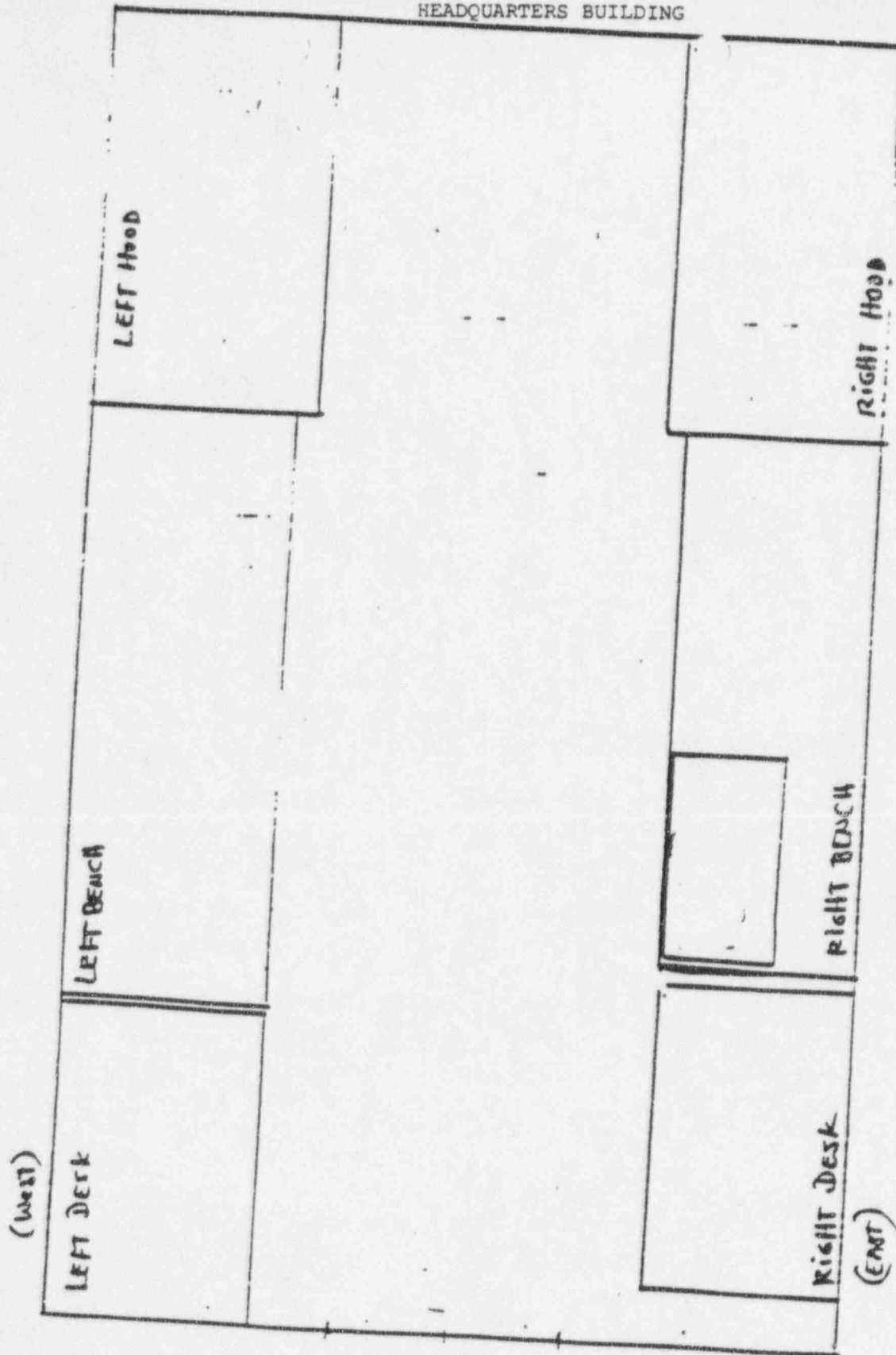
Printer

ENVIRONMENTAL SCIENCES

239 / 240



HEADQUARTERS BUILDING



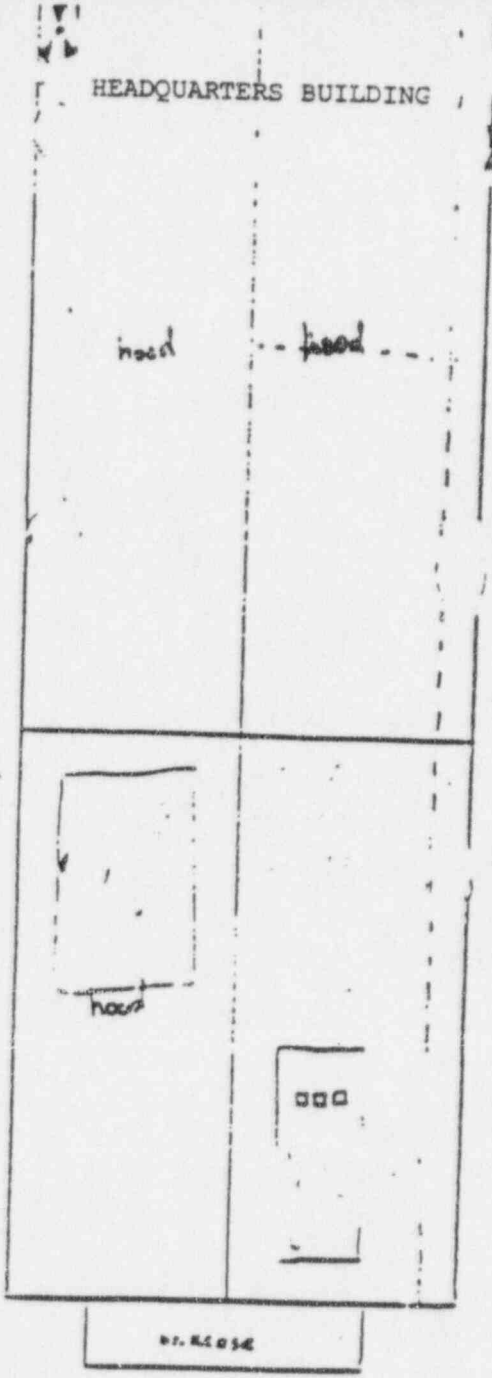
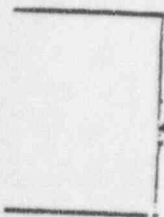
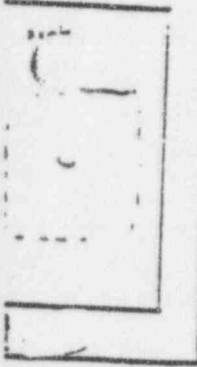
DOOR
LAB 241 HQ
ENVIRONMENTAL
SCIENCES

CONTROL NO.

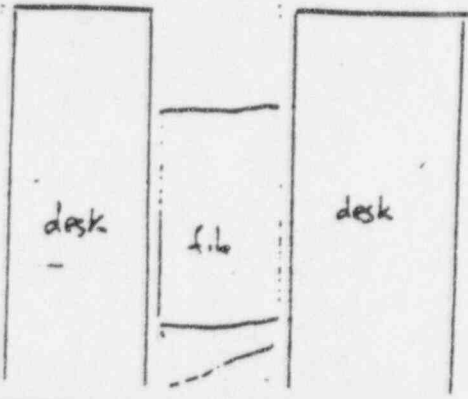
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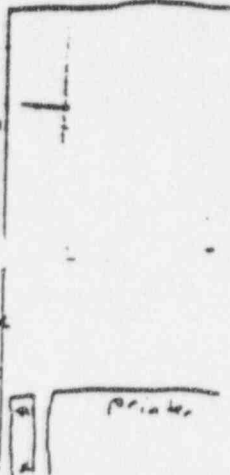
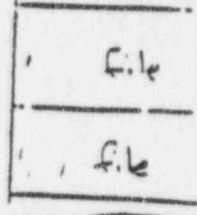


Environmental Sciences
Lab 242/243 HQ



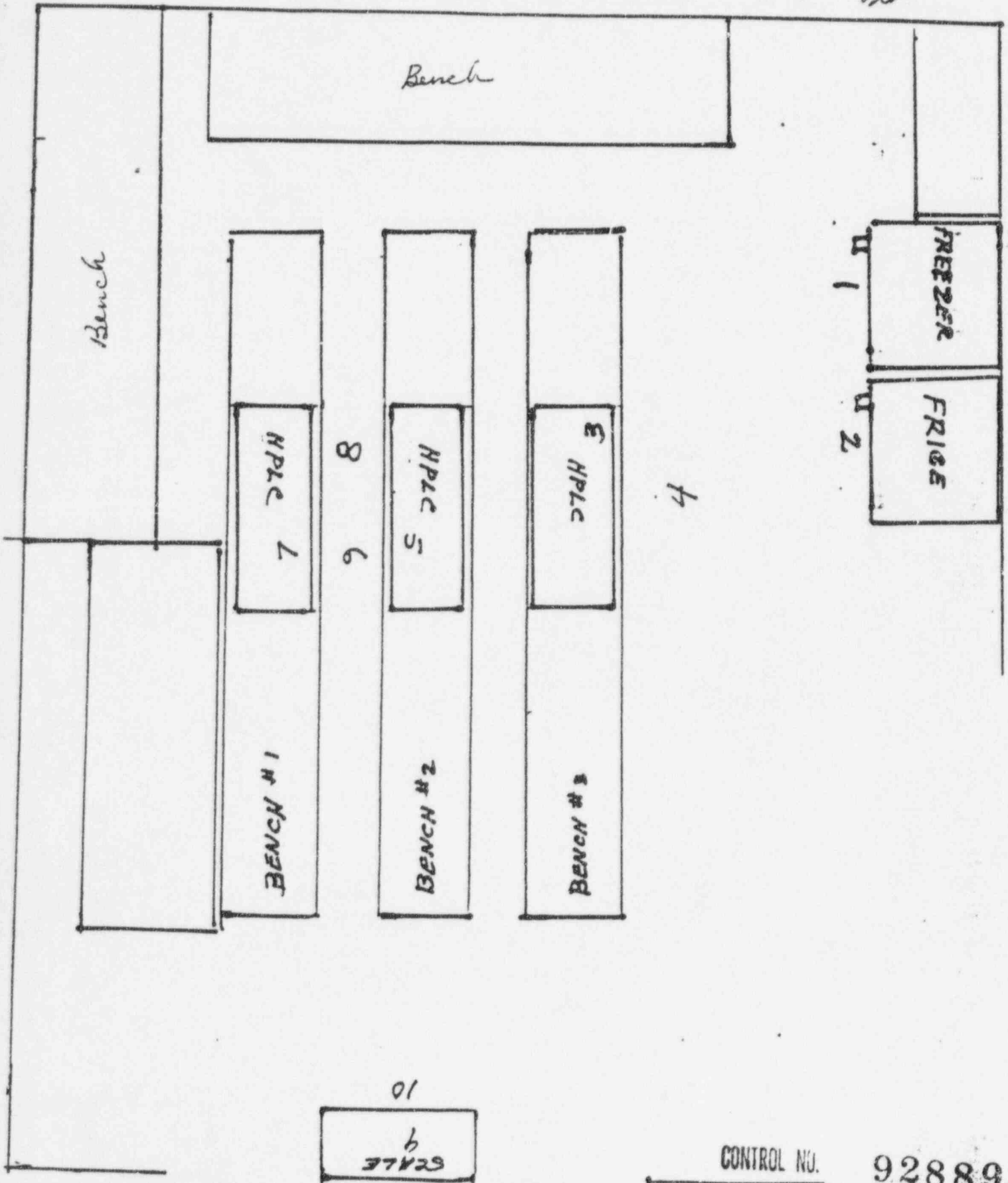
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WIPE TEST
ENVIRONMENTAL FATE
LAB #33

DATE 1/14/92 JLD

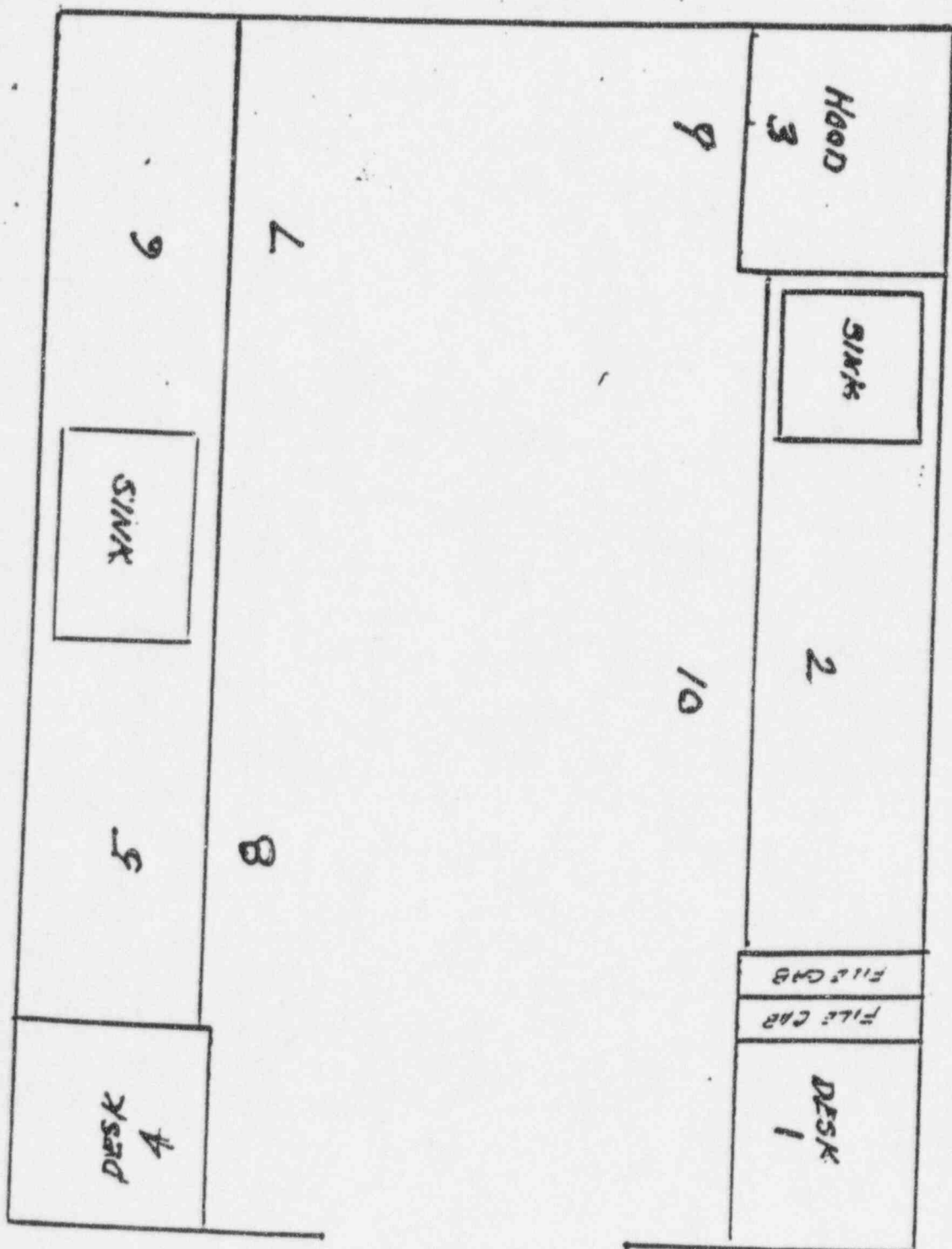


NIPE TEST

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LAB # 36

DATE 1/14/92

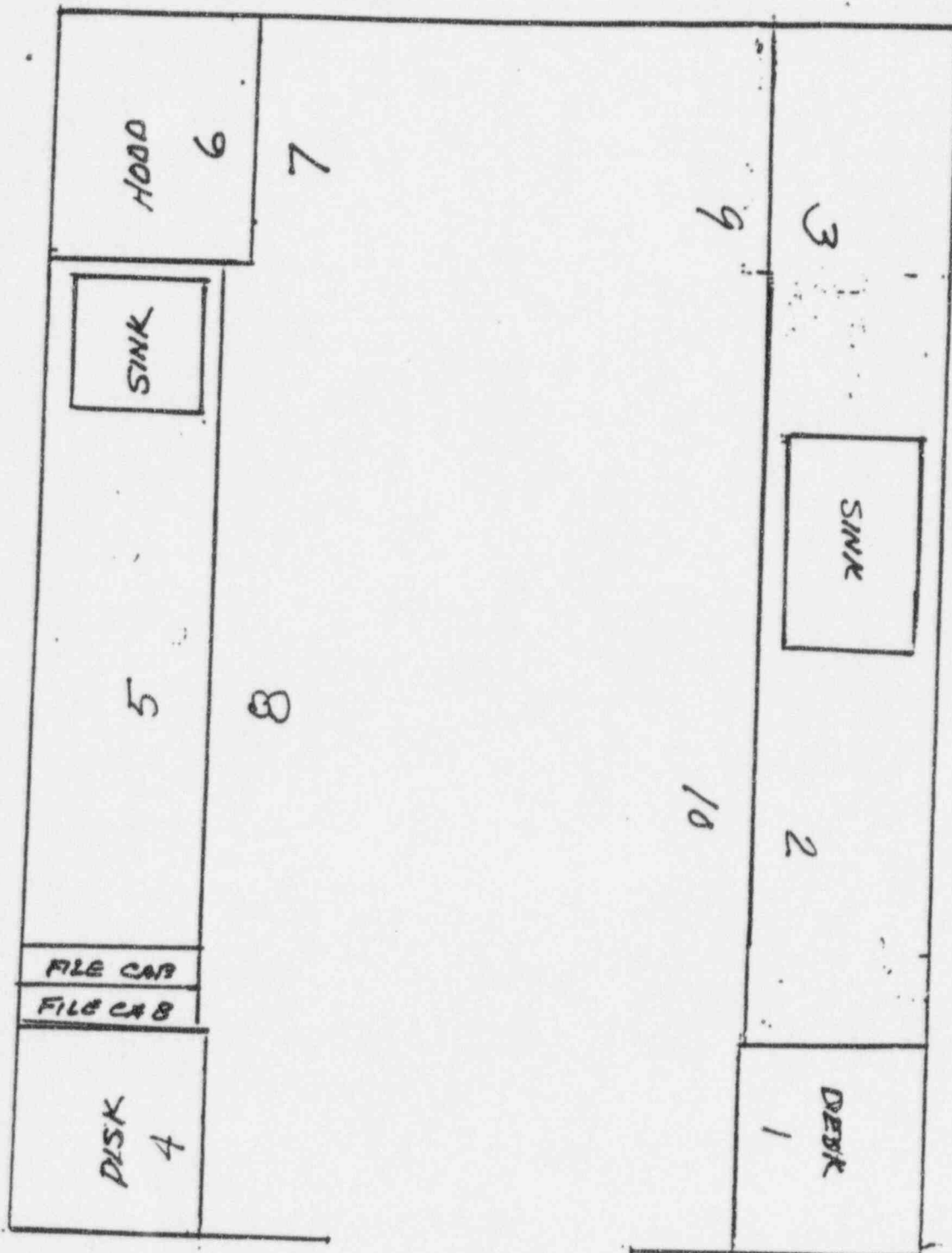


WIPE TEST

ENVIROMENTAL FATE

LAB # 37

DATE 1/14/92 *YJB*

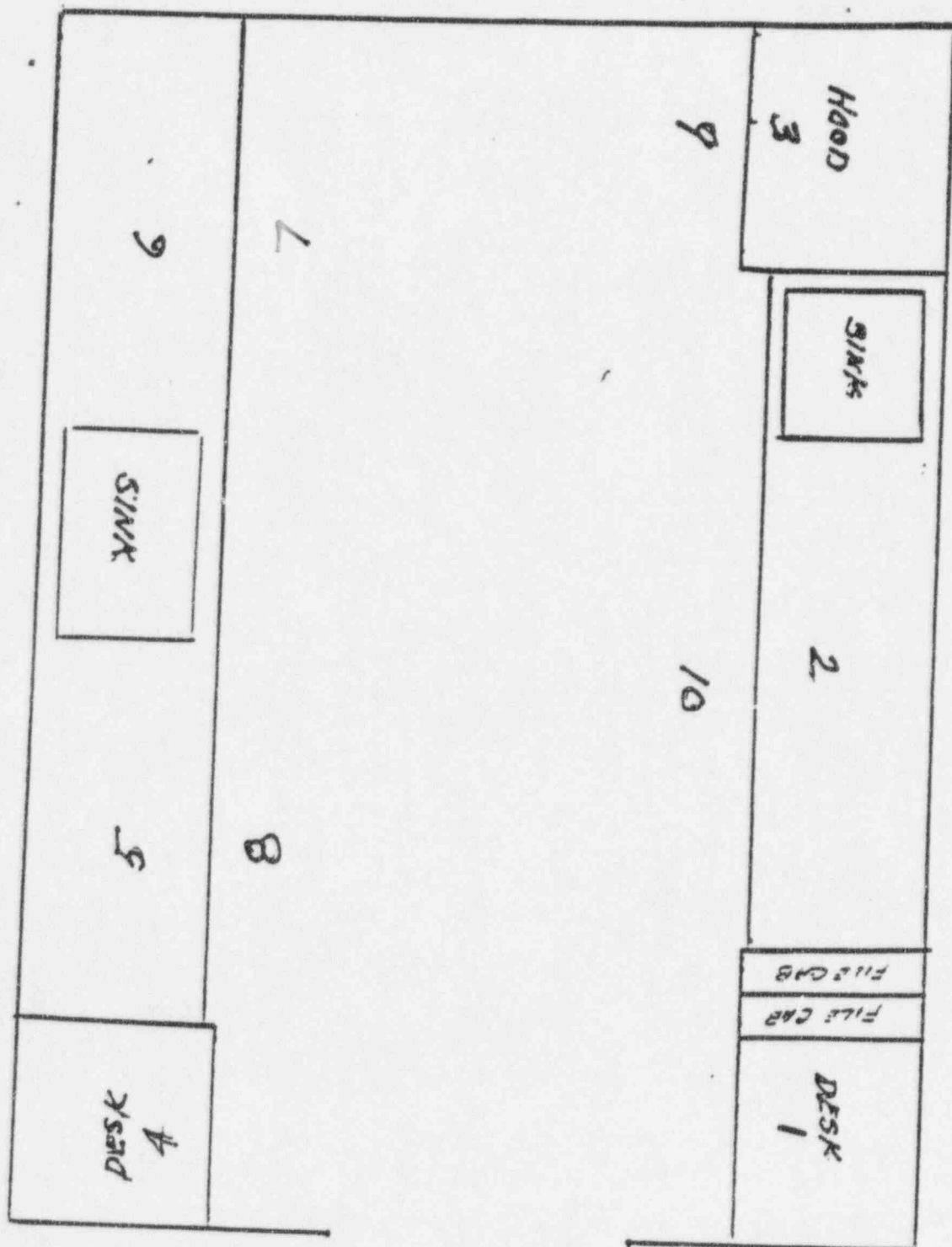


WIPE TEST

ENVIRONMENTAL FATE

LAB # 38

DATE 1/14/92 *JSB*



CONTROL NO.

92889

NOV 26 1991

Ricerca, Inc.
ATTN: T. E. Tinkler
Secretary
7528 Auburn Road
P.O. Box 1000
Painesville, OH 44077

Dear Mr. Tinkler:

It has come to our attention that Amendment Number 33 to License Number 34-00583-04 issued on October 3, 1991 contained an error.

Enclosed is a corrected copy. We apologize for any inconvenience this may have caused you.

Sincerely,

Original Signed By
Kevin G. Null
Materials Licensing Section

Enclosure: Corrected Copy of
Amendment No. 33

RIII

Frazier/ms
10/26/91