

FC041388-2

The National
Pharmaceutical
Service Network

April 13, 1988

030-15134

Jenny M. Johansen
Nuclear Material Safety Section B
Division of Radiation Safety and Safeguards
U. S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, Pennsylvania 19406

RE: NRC Materials License # 37-18467-01MD, Pittsburgh, Pennsylvania

Dear Ms. Johansen,

Please amend our Nuclear Regulatory Commission Materials License Number 37-18467-01MD, Pittsburgh, for authorization to make the physical change in our equipment layout. These changes will isolate the handling of volatile substances to a single room allowing better control, and isolating this material to a specific area. No changes in the ventilation information for the fume hood system will be made since the same exhaust stack presently used for the fume hood will be the same for the new location of the fume hood.

I have enclosed sketches of the new layout, (Exhibit A), and sketches of the old layout, (Exhibit B), along with a new section on facilities and equipment. The changes are to move the fume hood/glove box system from the generator storage area to the room formally designated "the shipping and receiving area", and to relocate the biohazard hood from its previous location to the present location as shown on Exhibit B.

If you have any questions concerning this request, do not hesitate to contact me.

Sincerely,

SYNCOR INTERNATIONAL CORPORATION

Frank M. Comer
Chief Health Physicist, Licensing

FMC/kb

cc: Steve Piepenbrink
Gary Redmore
JoAnn McAnany

Log	april 18
Remitter	
Check No.	216
Amount	\$ 230
Fee Category	3C
Type of Fee	AMD
Date Check Rec'd.	4/22/88
Date Completed	4/22/88
By	A. Redmore

Syncor International Corporation
Health Physics Group
14 Office Park Drive, Suite 300
Little Rock, Arkansas 72211
(501) 221-1126

B904250501 B80609
REG1 LIC30
37-18467-01MD PNU

108741

"OFFICIAL RECORD COPY" 1011

4-20-88

FACILITIES AND EQUIPMENT

Syncor Corporation has leased space at 2911 Penn Avenue, Pittsburgh, Pennsylvania 15201. The total area is 5000 square feet. Syncor Corporation is the only occupant of the 50' x 100' structure which is composed of poured concrete, brick and drywall. The front of the building faces south along Penn Avenue. Adjacent to the building on the left (west) is a large parking area. The building to the right (east) is an unoccupied office or store. An alley runs immediately behind the facility. Syncor controls access to the roof of this building.

UNRESTRICTED AREA

1. Retail Pharmacy
2. Entry Way
3. Lobby
4. Regional Managers Office
5. Managers Office
6. Mens and Womens Restroom
7. Break Room
8. Second Restroom
9. Conference Room
10. Computer Room
11. Records Storage Room
12. Rear Entry Area
13. Garage
14. Any Adjacent Corridors or Common Areas Joining Above Rooms

RESTRICTED AREA - Approximately 1350 square feet

DISPENSING AREA - Approximately 650 square feet

This area is used for preparation and dispensing of radiopharmaceuticals. Two drawing stations are located on the attached sketch. Drawing stations will consist of a leaded glass L-block shield, a dose calibrator, 1/8" thick bin and one 12" ring forceps. The L-block shield will consist of 1" or thicker lead and 1" or thicker lead glass. The drawing stations will be shielded on three (3) sides with 1/8" lead panels. Technetium and Technetium products will be eluted, prepared, and stored in elution vial shields supplied by the various manufacturers. All of which, have a minimum of 1/4" thick lead. This area will also be used for quality control procedures and for preparing packages for distribution to accounts.

Generator Storage Room - Approximately 275 square feet

This area will be used for storage of all generators and out going used radioactive materials. A bench is provided for generator storage and elution. All actively used generators will be housed in auxilliary shielding provided by the manufacturers. All other materials will be stored in the original shipping containers in 2" x 4" x 8" lead bins. A refrigerator in this area will be used for cold kits and shielded radiopharmaceuticals. Some low level radioactive waste may also be kept here in shielded containers until decay is complete.

Waste Room - Approximately 144 square feet

This area is used for returning packages to be broken down and for residual radioactive materials to be stored. Technetium and other longer lived isotopes will be stored in lead barrels 16" in diameter and 3/8" thick and 24" high with 1/4" lead plate 18" square used as a lid.

I131 Compounding Room - Approximately 72 square feet

Iodine-131 and Xenon-133 will be kept in the fume hood in this area in appropriately shielded containers. An L-block shield with 2" thick lead and 2" thick lead glass is located in the Iodine glove box type fume hood.

Indium Tagging Room - Approximately 180 square feet

This area is used for handling and dispensing of In-111 White Blood Cells in an appropriate flow hood.

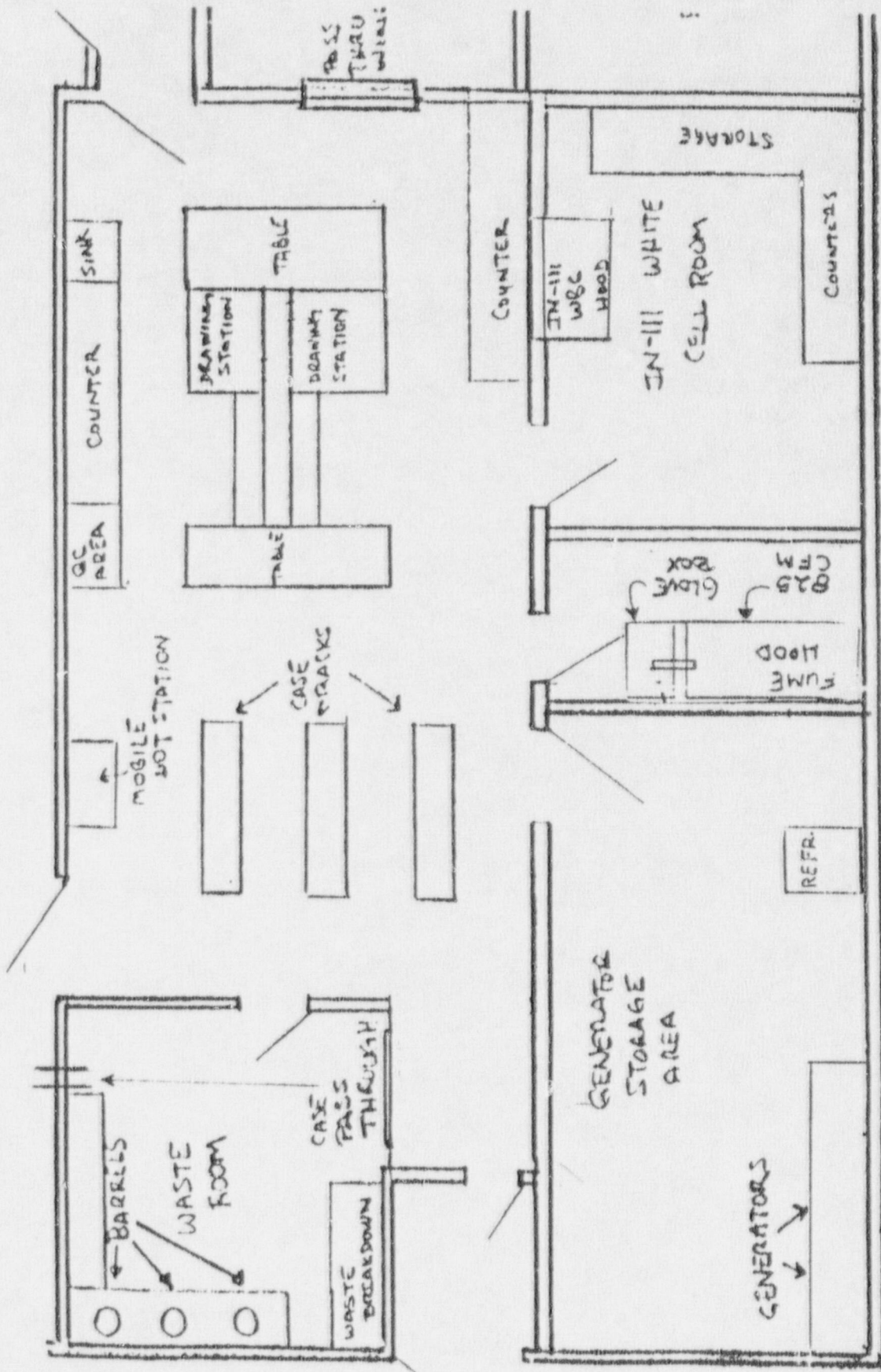
SHIELDING

<u>G</u>	Generator Area:	Manufactures's Shielding 1/2" lead "Shield" around each generator.
<u>R</u>	Refrigerator:	Manufacturer's Shielding 1/8".
<u>IS</u>	Isotope Storage:	Manufacturer's Shielding plus 3/4" Lead auxilliary Generator shields and 2" x 4" x 8" Lead Bricks. -
<u>WS</u>	Waste Storage:	3/8" lead barrels 16" in diameter, 24" high mounted on 1/4" lead plates on casters. A 1/4" lead plate 18" square is used as a lid.

Pittsburgh, Pennsylvania

EXHIBIT A

RESTRICTED AREA



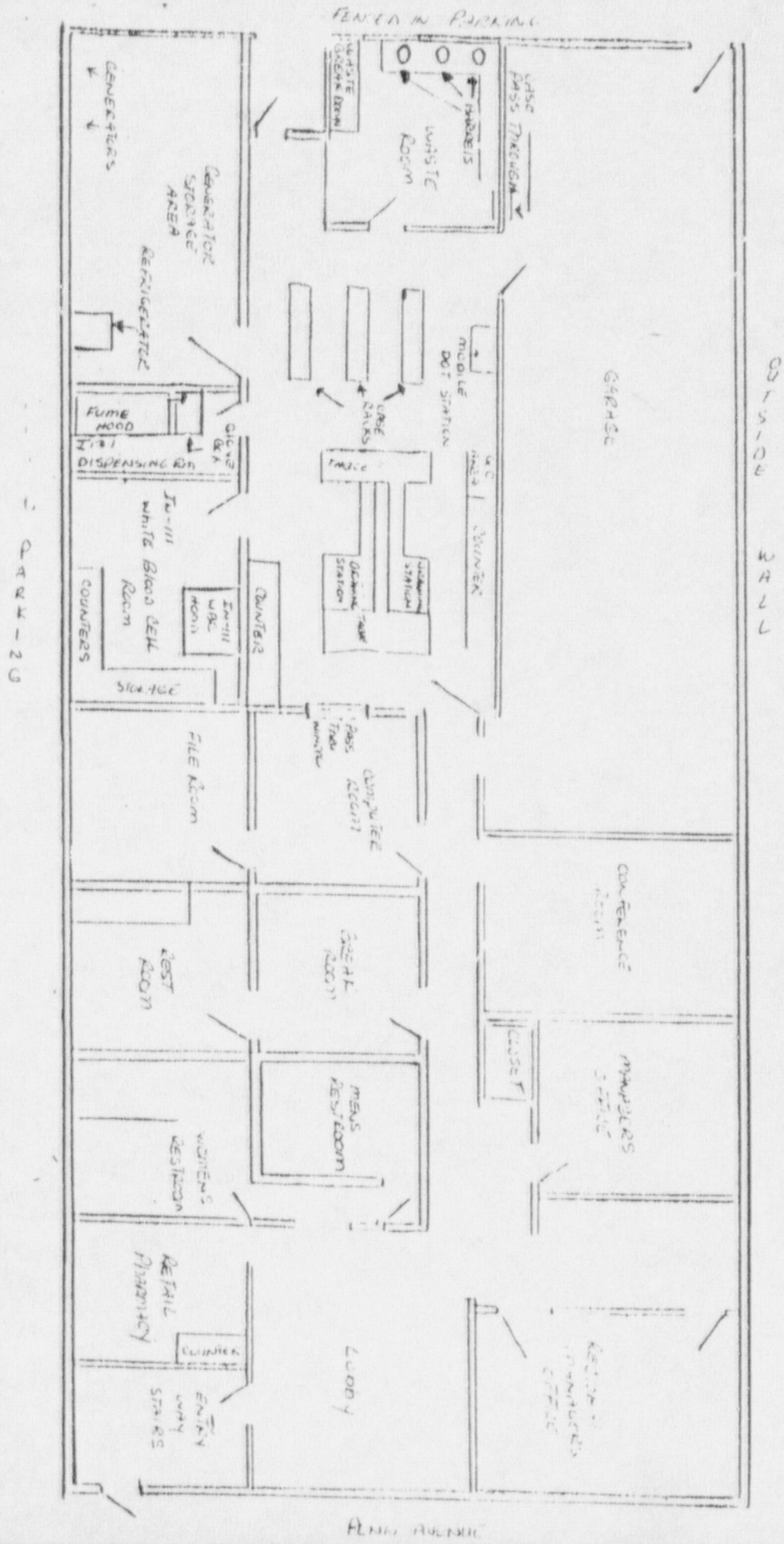
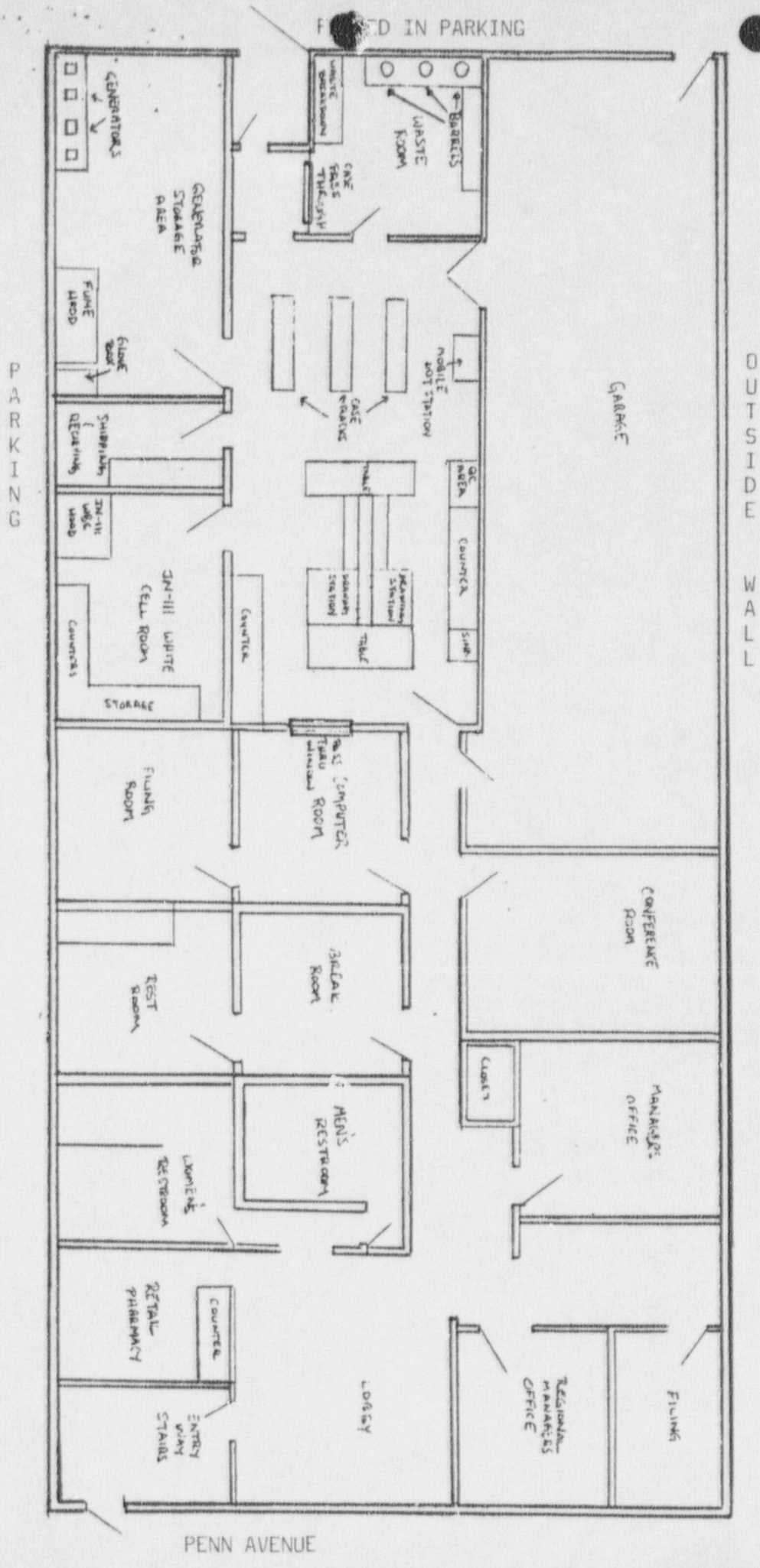


EXHIBIT B

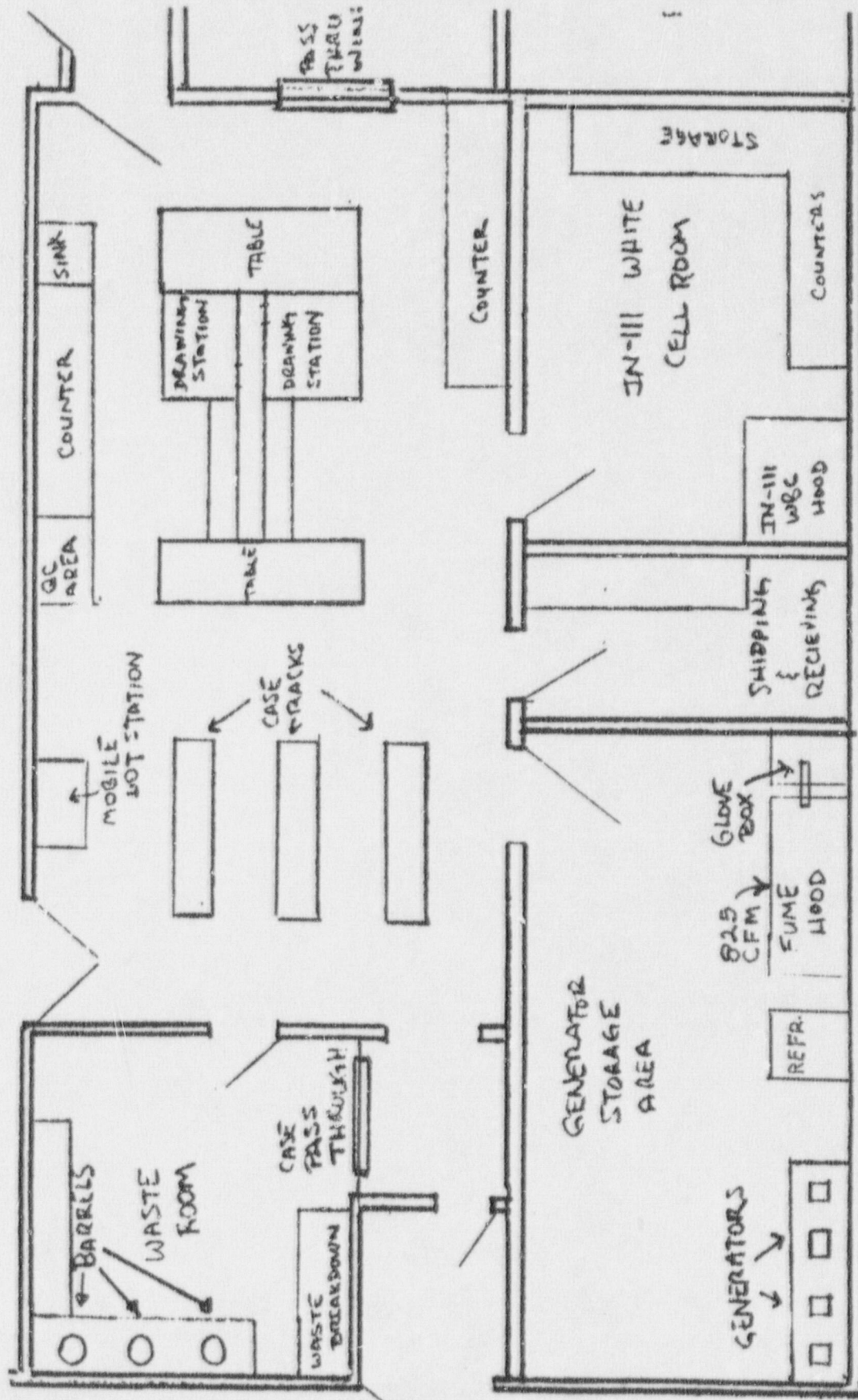


Scale 3/32" = 1'

Pittsburgh, Pennsylvania

EXHIBIT B

RESTRICTED AREA



"OFFICIAL RECORD COPY"

ML10

108741

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 02500
STATUS CODE: 0
FEE CATEGORY: 3C
EXP. DATE: 19900131
FEE COMMENTS:

LICENSE FEE TRANSMITTAL

A. REGION *I*

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: SYNCOR CORP.
RECEIVED DATE: 880420
DOCKET NO: 3015134
CONTROL NO.: 108741
LICENSE NO.: 37-13467-01MD
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: 230.00
CHECK NO.: 216

3. COMMENTS

SIGNED
DATE

BP
4/22/88

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1-1)

1. FEE CATEGORY AND AMOUNT: 3C

\$ 230

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT ✓
RENEWAL
LICENSE

3. OTHER

SIGNED
DATE

S. Kimberley
4/22/88