

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

FEB 11 1975

MF:FF1:JCD  
70-1359  
SNM-1405, Amendment No. 3

Intelcom Industries Incorporated  
ATTN: Dr. C. A. Preskitt  
Vice President  
Intelcom Rad Tech  
P. O. Box 80817  
San Diego, California 92138

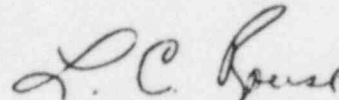
Gentlemen:

Amendment No. 2 to your Special Nuclear Material License No. SNM-1405 was issued on October 3, 1974 authorizing the construction and use of a subcritical assembly to be operated at a keff not to exceed 0.990. The purpose of that amendment was to enable you to obtain additional information and to further refine the information you had previously obtained during operations at a lower reactivity. By letters dated November 15, 1974, and January 20, 1975, the results of the measurements were provided to us. In addition, you had requested authorization to allow a polyethylene plug to be placed in the radiography collimator during activation analysis operations. Technical data regarding the effect of the polyethylene plug were included in the January 20, 1975 submittal.

We have now completed the review of all of the information which you have provided. Accordingly, pursuant to Title 10, Code of Federal Regulations, Part 70, Special Nuclear License No. SNM-1405 is hereby amended to authorize the construction and use of subcritical assemblies designed to operate at a keff not to exceed 0.990 in accordance with the statements, representations and conditions specified in the licensee's application dated January 24, 1974, and the supplements thereto dated August 28, and November 15, 1974, and January 20, 1975.

All other conditions of this license shall remain the same.

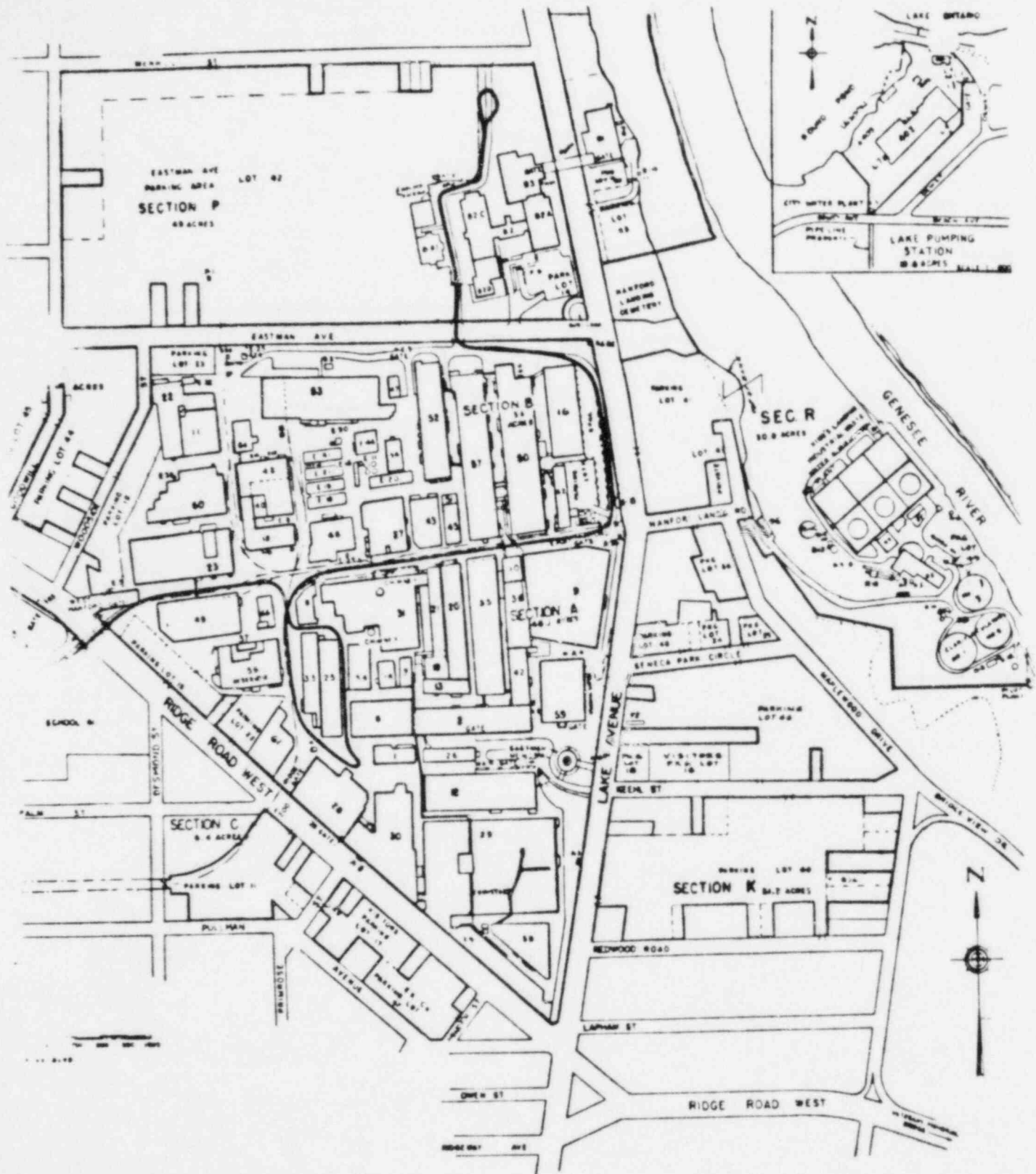
FOR THE NUCLEAR REGULATORY COMMISSION



L. C. Rouse, Chief  
Fuel Fabrication and  
Reprocessing Branch No. 1  
Division of Materials and  
Fuel Cycle Facility Licensing

8507050174 850314  
PDR ADOCK 07001703  
C PDR





EASTMAN KODAK COMPANY  
**KODAK PARK DIVISION**  
 ROCHESTER, N.Y.

REVISED JANUARY 4 1976

*J. H. [Signature]*

FIGURE 1

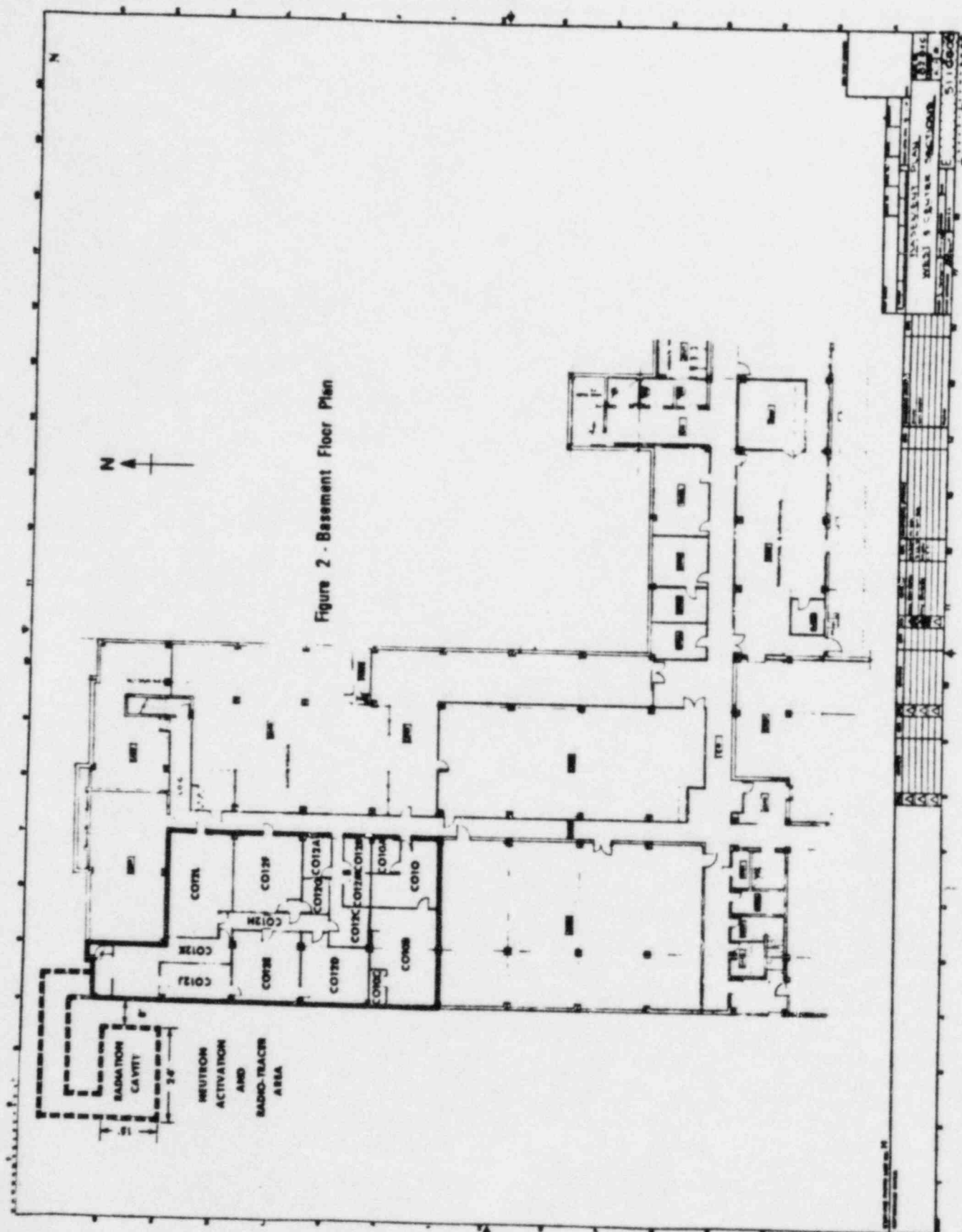


FIGURE 2

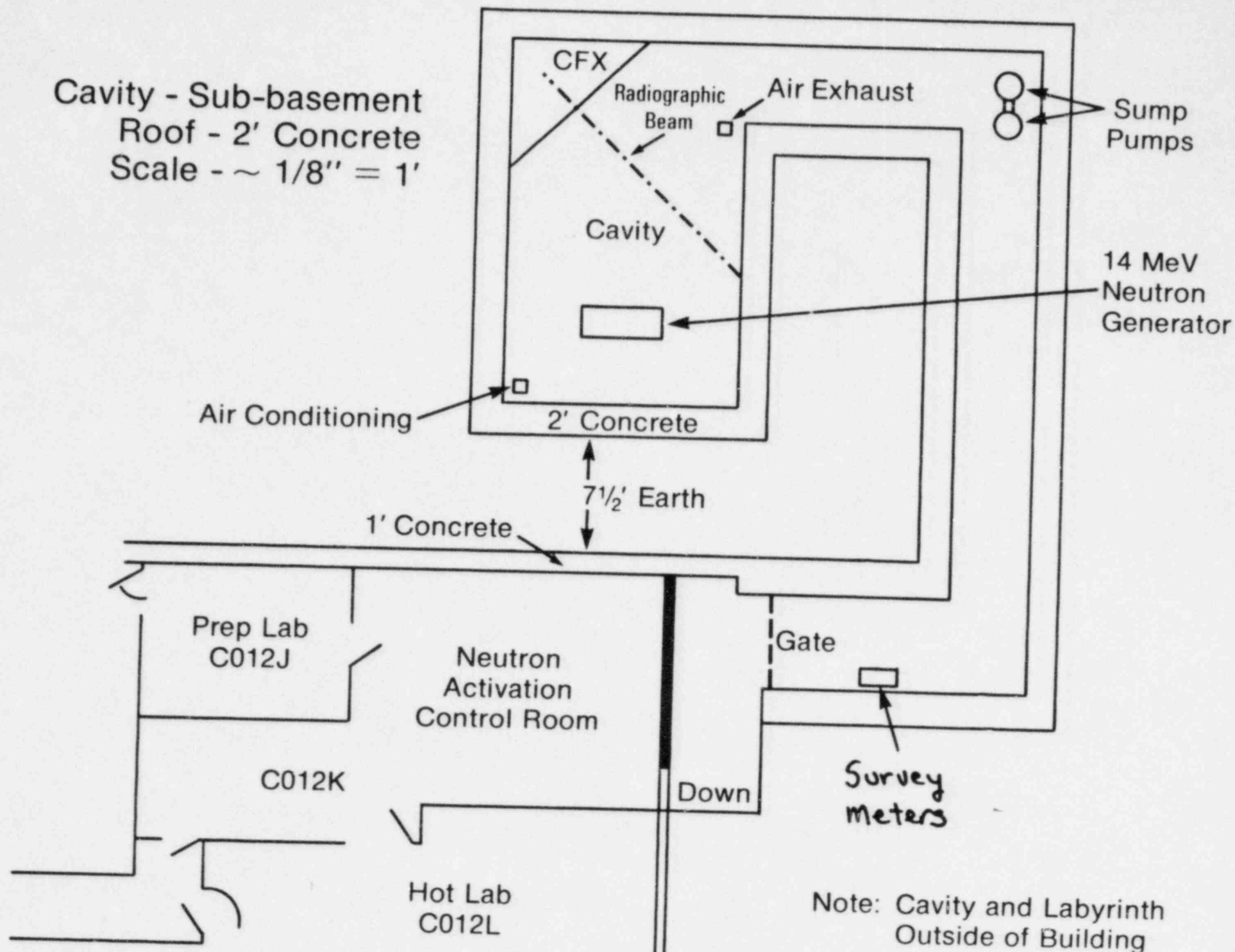
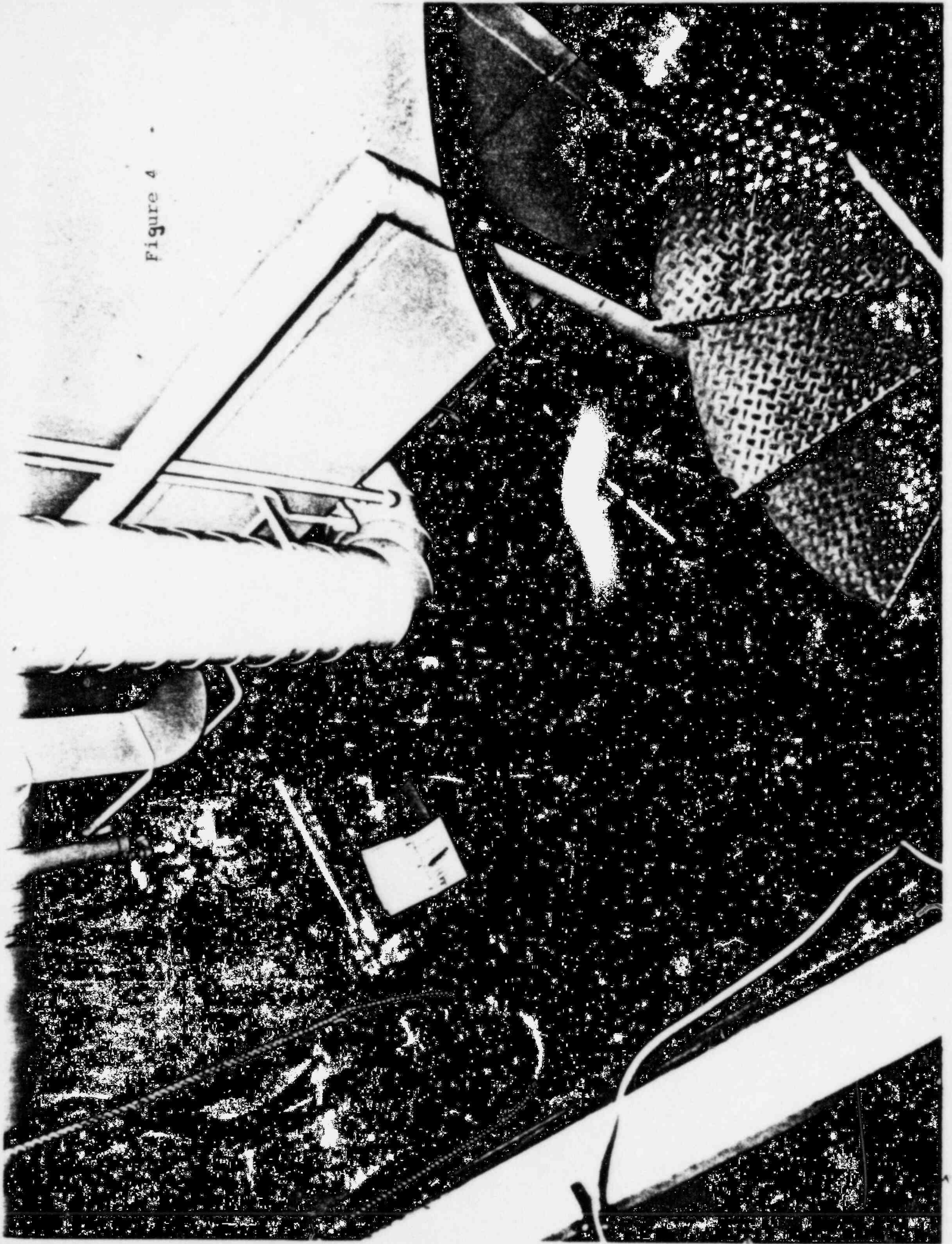


FIGURE 3



Figure 4



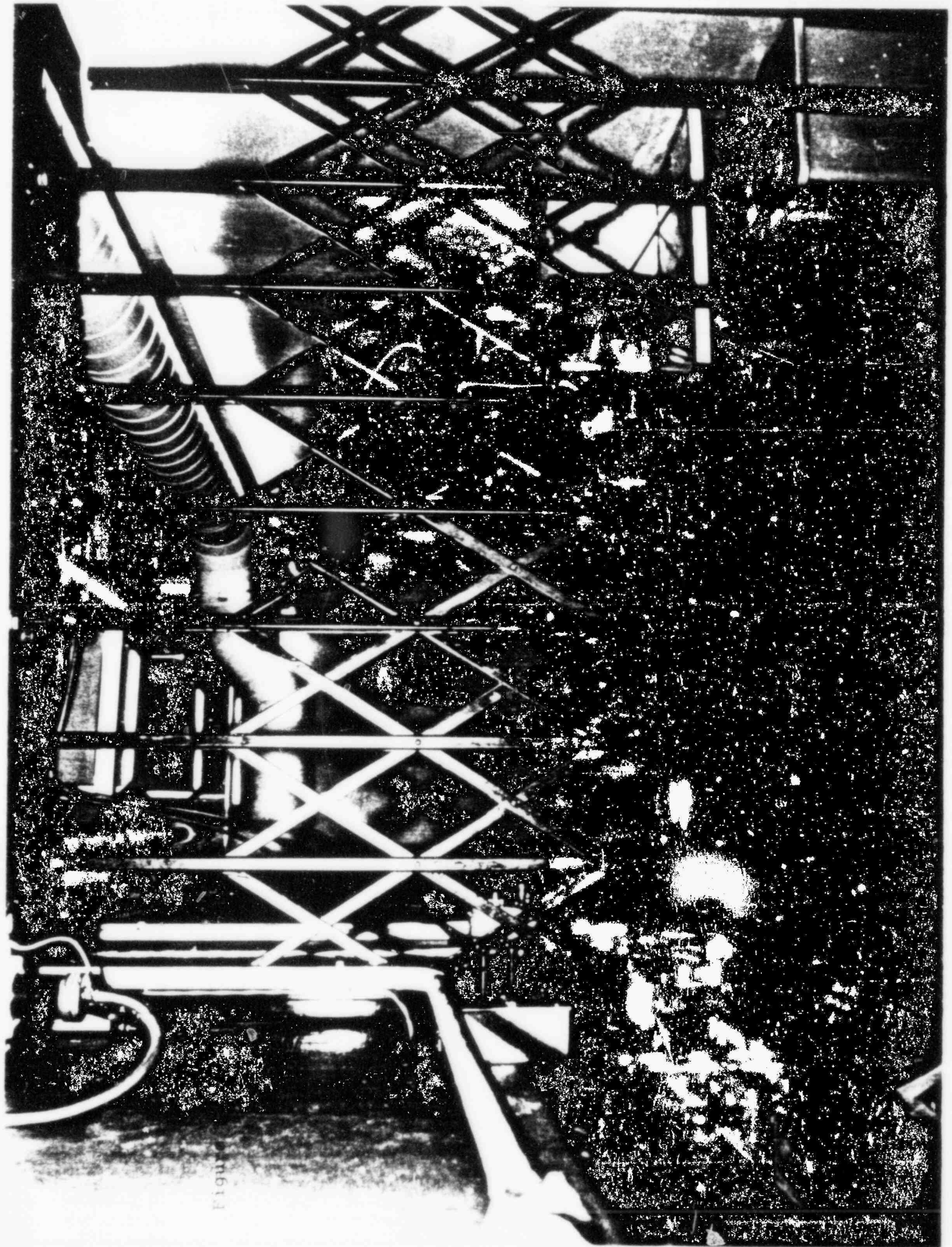


Figure 1



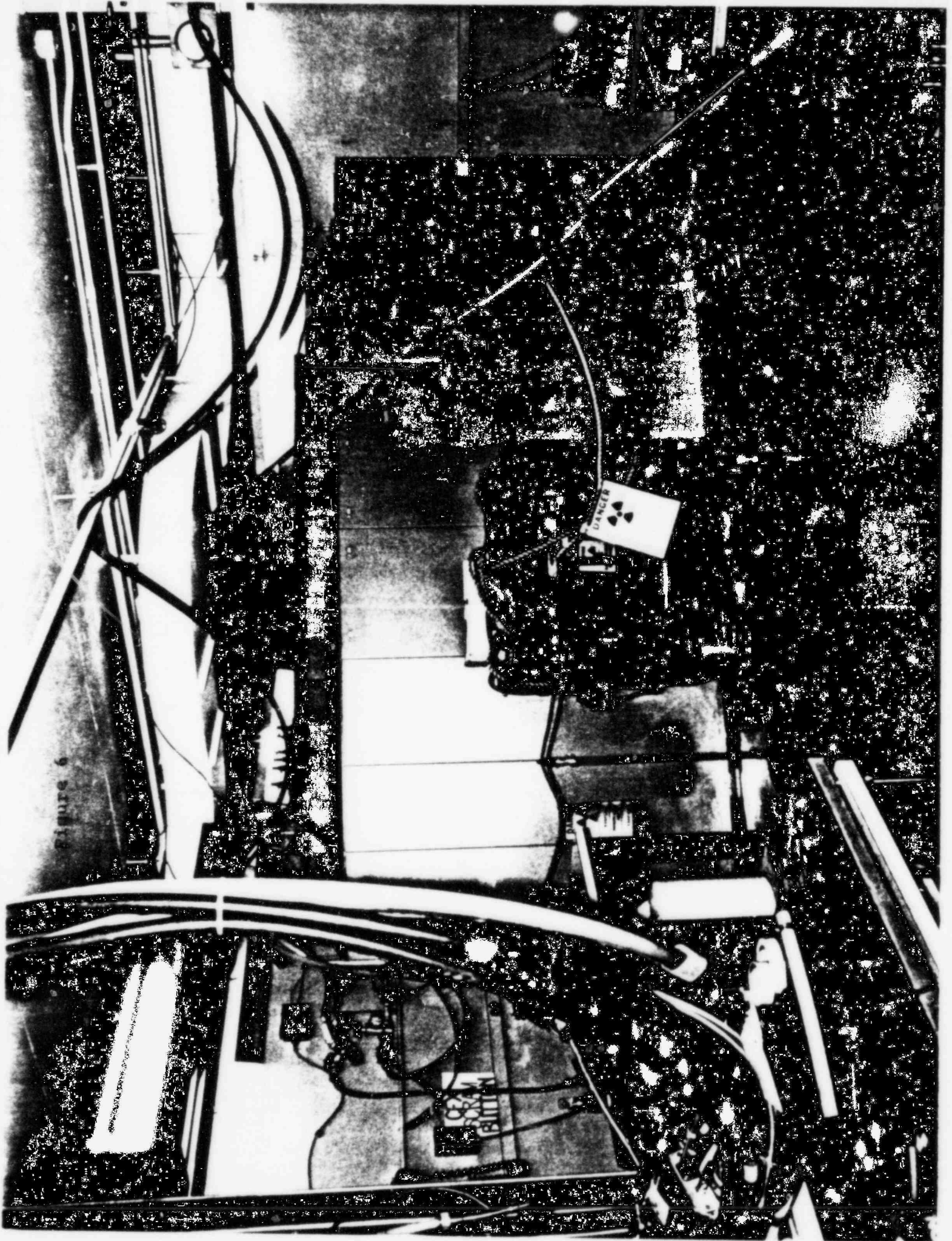


Figure 6

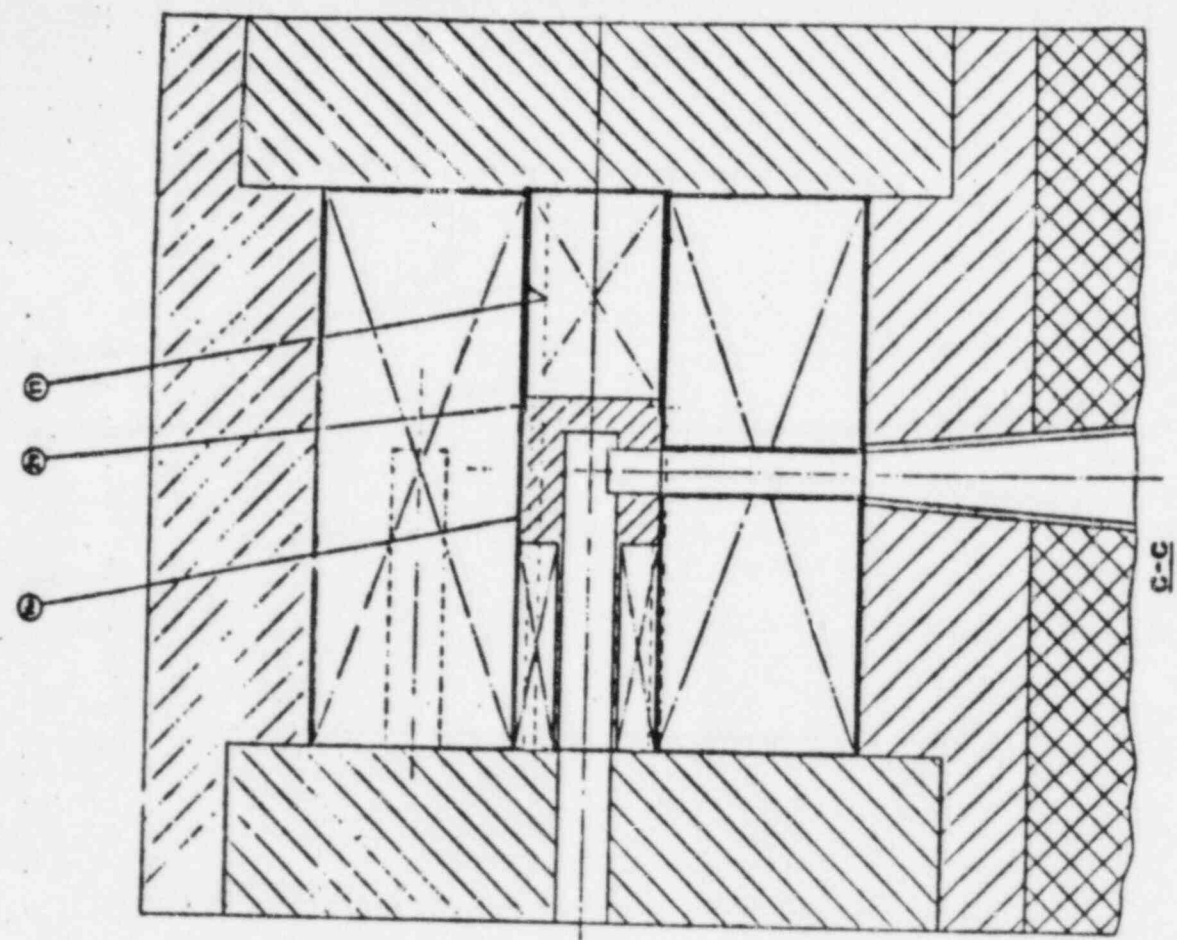
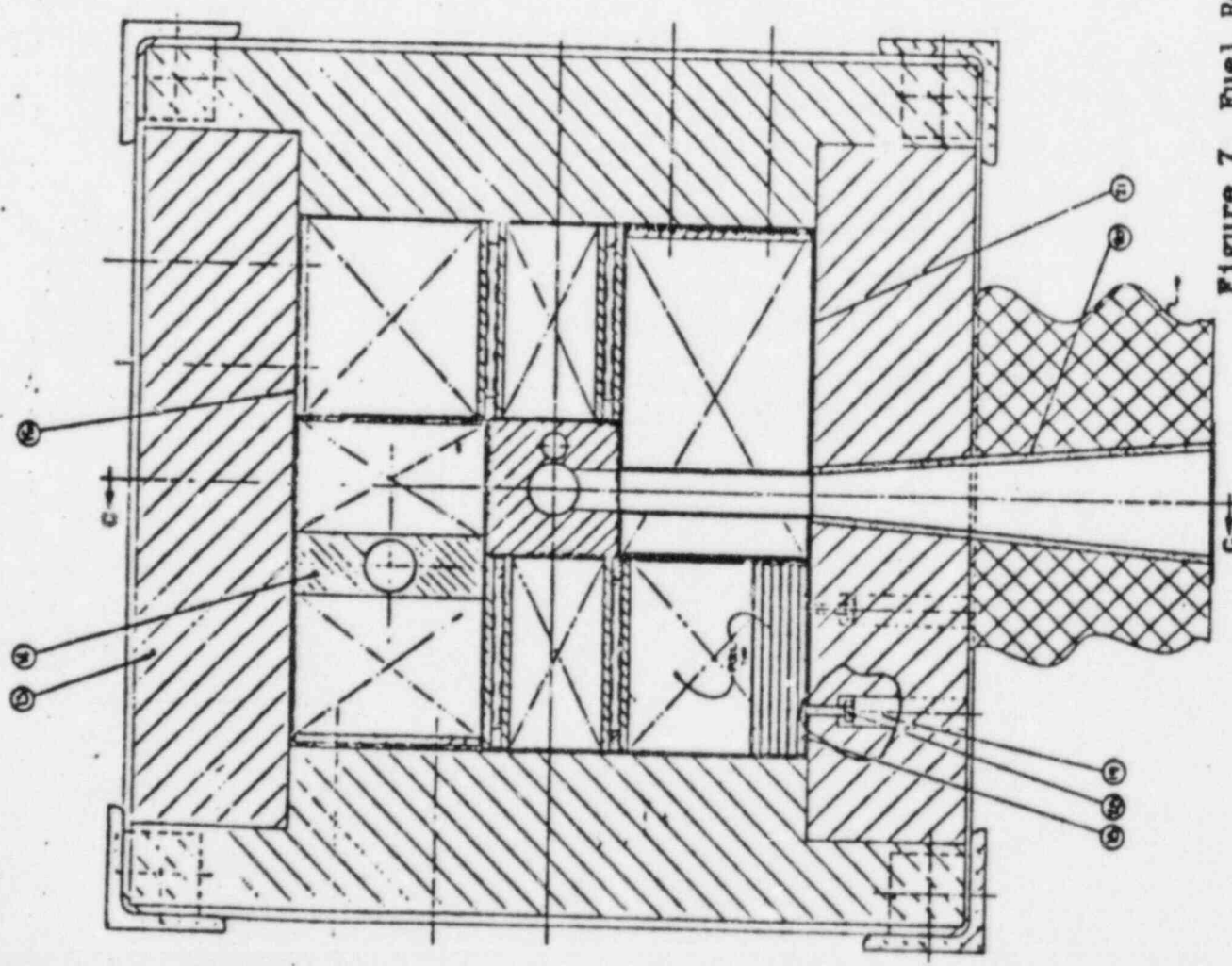


Figure 7 Fuel Region of CFX

REVISION	DATE	BY	CHKD	APP'D
1	10/1/68	J. L. H.	J. L. H.	J. L. H.
2	10/1/68	J. L. H.	J. L. H.	J. L. H.
3	10/1/68	J. L. H.	J. L. H.	J. L. H.
4	10/1/68	J. L. H.	J. L. H.	J. L. H.
5	10/1/68	J. L. H.	J. L. H.	J. L. H.
6	10/1/68	J. L. H.	J. L. H.	J. L. H.
7	10/1/68	J. L. H.	J. L. H.	J. L. H.
8	10/1/68	J. L. H.	J. L. H.	J. L. H.
9	10/1/68	J. L. H.	J. L. H.	J. L. H.
10	10/1/68	J. L. H.	J. L. H.	J. L. H.
11	10/1/68	J. L. H.	J. L. H.	J. L. H.
12	10/1/68	J. L. H.	J. L. H.	J. L. H.
13	10/1/68	J. L. H.	J. L. H.	J. L. H.
14	10/1/68	J. L. H.	J. L. H.	J. L. H.
15	10/1/68	J. L. H.	J. L. H.	J. L. H.
16	10/1/68	J. L. H.	J. L. H.	J. L. H.
17	10/1/68	J. L. H.	J. L. H.	J. L. H.
18	10/1/68	J. L. H.	J. L. H.	J. L. H.
19	10/1/68	J. L. H.	J. L. H.	J. L. H.
20	10/1/68	J. L. H.	J. L. H.	J. L. H.



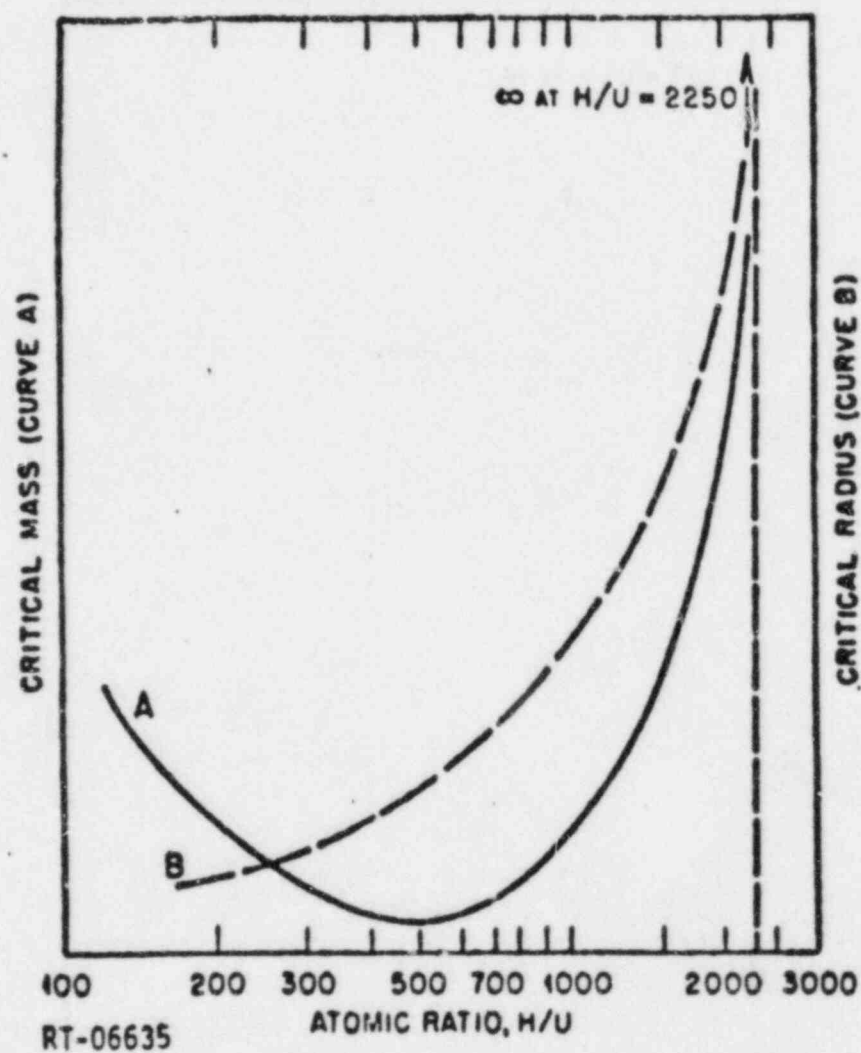
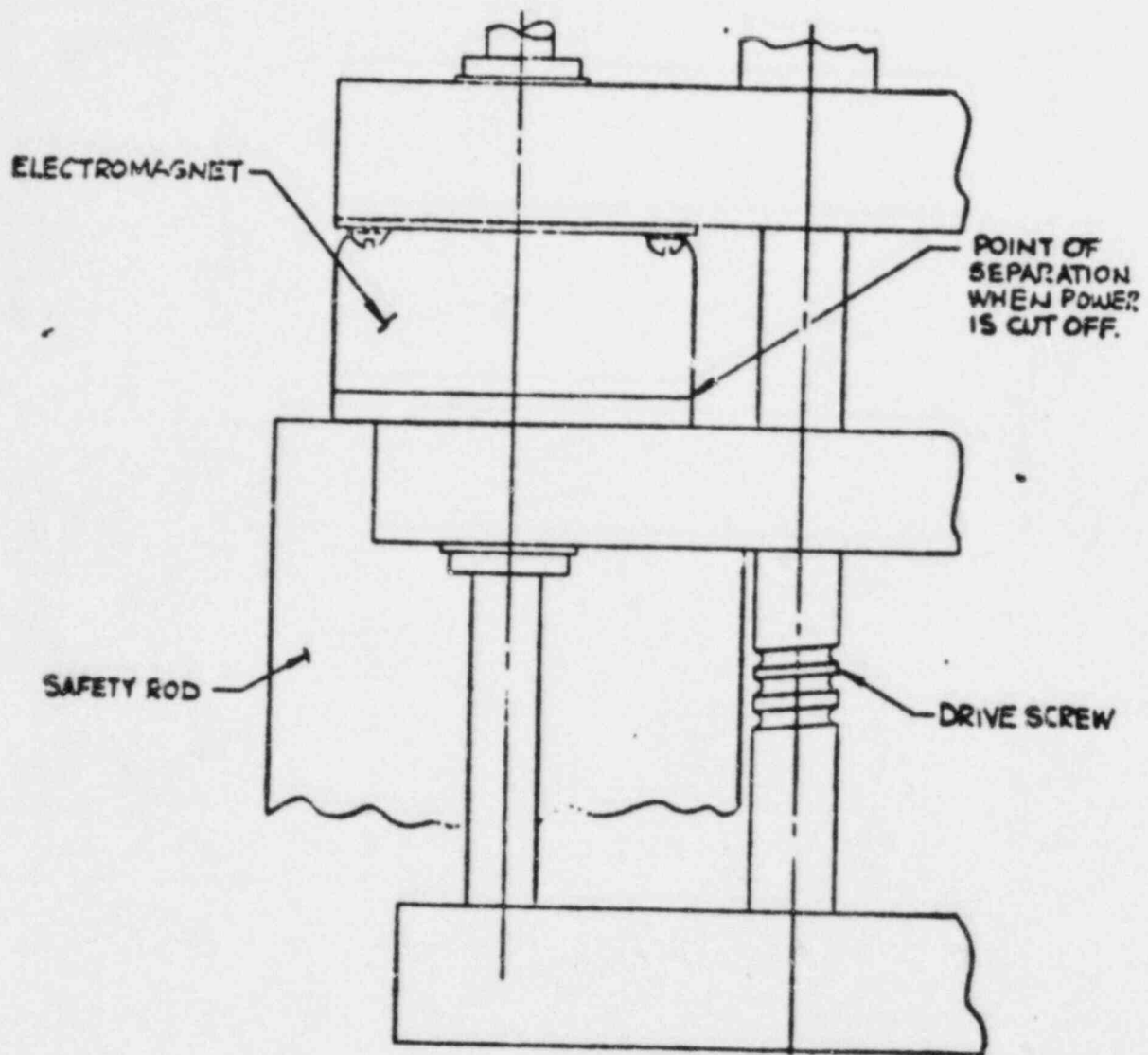


FIGURE 8 Critical mass and critical radius as functions of atomic ratio  $H/U$



RT-06636

FIGURE 9 Safety rod coupling

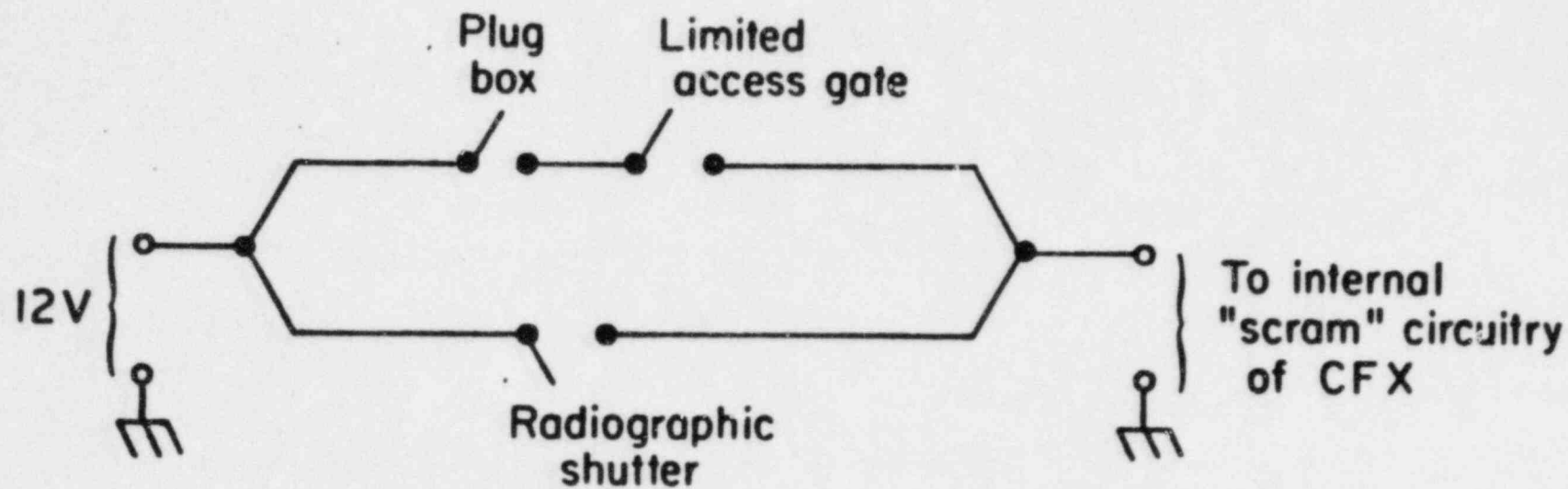


Fig. 10 Schematic diagram of CFX interlock system