

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

FEDERAL AGENCIES FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION  
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS  
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
NUCLEAR MATERIAL SECTION B  
631 PARK AVENUE  
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II  
MATERIAL RADIATION PROTECTION SECTION  
101 MARIETTA STREET, SUITE 2900  
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
MATERIALS LICENSING SECTION  
799 ROOSEVELT ROAD  
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
MATERIAL RADIATION PROTECTION SECTION  
611 RYAN PLAZA DRIVE, SUITE 1000  
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V  
MATERIAL RADIATION PROTECTION SECTION  
1450 MARIA LANE, SUITE 210  
WALNUT CREEK, CA 94596

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

1. THIS IS AN APPLICATION FOR (Check appropriate item):

- ☐ A. NEW LICENSE  
☐ B. AMENDMENT TO LICENSE NUMBER \_\_\_\_\_  
☒ C. RENEWAL OF LICENSE NUMBER 24-00563-02

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

Crane Midwest Fittings  
1450 South 2nd Street  
St. Louis, Missouri 63166

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED:

Crane Midwest Fittings  
1450 South 2nd Street  
St. Louis, Missouri 63166

NOTE: Licensed material will only be use at this location for radiography and associated operations and for storage of sources and exposure devices.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

George W. Eckert, Radiation Protection Officer

TELEPHONE NUMBER

314-621-8300

SUBMIT ITEMS 5 THROUGH 11 ON 8 1/2 x 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED:

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTLY IN RESTRICTED AREAS

9. FACILITIES AND EQUIPMENT

10. RADIATION SAFETY PROGRAM

11. WASTE MANAGEMENT

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY Byproduct Material

AMOUNT

ENCLOSED \$ 530.00

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN, IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

SIGNATURE—CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

*George W. Eckert*

George W. Eckert

Supt. Quality Assurance

8/14/85

Radiation Protection Officer

14. VOLUNTARY ECONOMIC DATA

a. ANNUAL RECEIPTS

<\$250K  
\$250K—500K  
\$500K—750K  
\$750K—1M

b. NUMBER OF EMPLOYEES (Total for entire facility excluding outside contractors)

\$1M—3.5M  
\$3.5M—7M  
\$7M—10M  
>\$10M

c. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollar and/or staff hours) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to protect confidential commercial or financial—proprietary—information furnished to the agency in confidence)

☐ YES

RECEIVED

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMM. FTS

Renewal

Sept 30/85

30

AMOUNT RECEIVED

530

CHECK NUMBER

MO24163

9/20/85

MO24163

USE ONLY

*\$170 a whole fee*

AUG 19 1985

REGION III

9/23/85

PRIVACY ACT STATEMENT ON THE REVERSE

5. RADIOACTIVE MATERIAL

<u>(a) ELEMENT AND MASS NUMBER</u>	<u>(b) CHEMICAL AND/OR PHYSICAL FORM</u>	<u>(c) MAXIMUM AMOUNT</u>
A. Iridium-192	Sealed Source(s)	50 Curies
B. Cobalt-60	Sealed Source(s)	20 Curies
C. Cobalt-60	Sealed Source(s)	20 Curies

6. RADIOACTIVE MATERIAL

USE

A. Iridium-192	To be used in technical operations Model 412 exposure device for industrial radiography and in technical operations Model 650 source changer for storage and replacement of source.
B. Cobalt-60	To be used in technical operations Model 491 exposure device for industrial radiography and in technical operations Model 416 or 771 source changer for storage and replacement of source.
C. Cobalt-60	To be used in technical operations Model 520 exposure device for industrial radiography and in technical operations Model 416 or 771 source changer for storage and replacement of source.

7. GEORGE W. ECKERT -- Radiation Protection Officer, 30 years nondestructive testing experience. Qualified as NAVSHIPS 250-1500-1 Examiner and SNT-TC-1A Level III in radiography. Familiar with 10 CFR parts 19, 20, 30 and 34. (See Section IV, Miscellaneous Supporting Data of Crane Midwest Fittings' Operating And Emergency Procedures).

NOTE: Will be forwarded upon completion of our gamma-ray facilities.

8. Reference Crane Midwest Fittings' Operating And Emergency Procedures.

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9. See Section IV Miscellaneous Supporting Data of Crane Midwest Fittings' Operating And Emergency Procedures.

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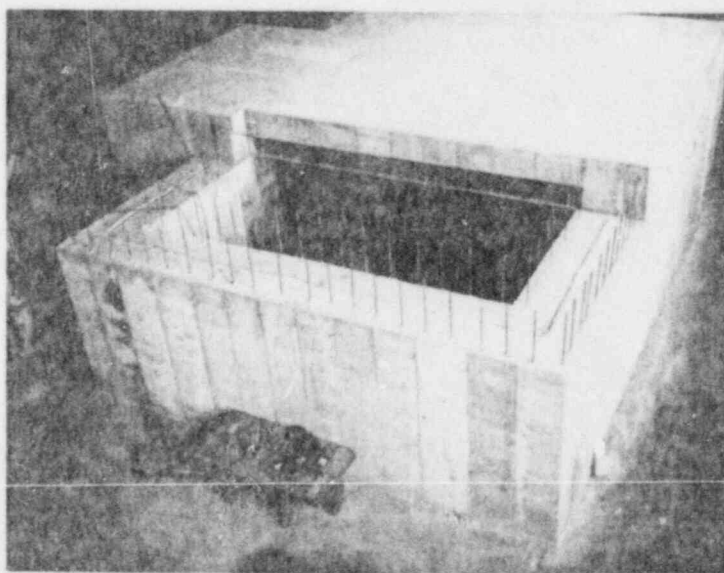
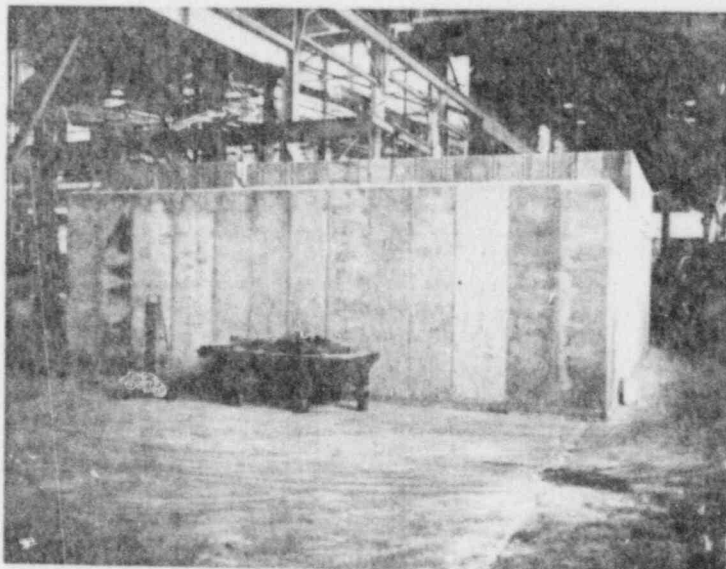
11. Returned to supplier for disposal.

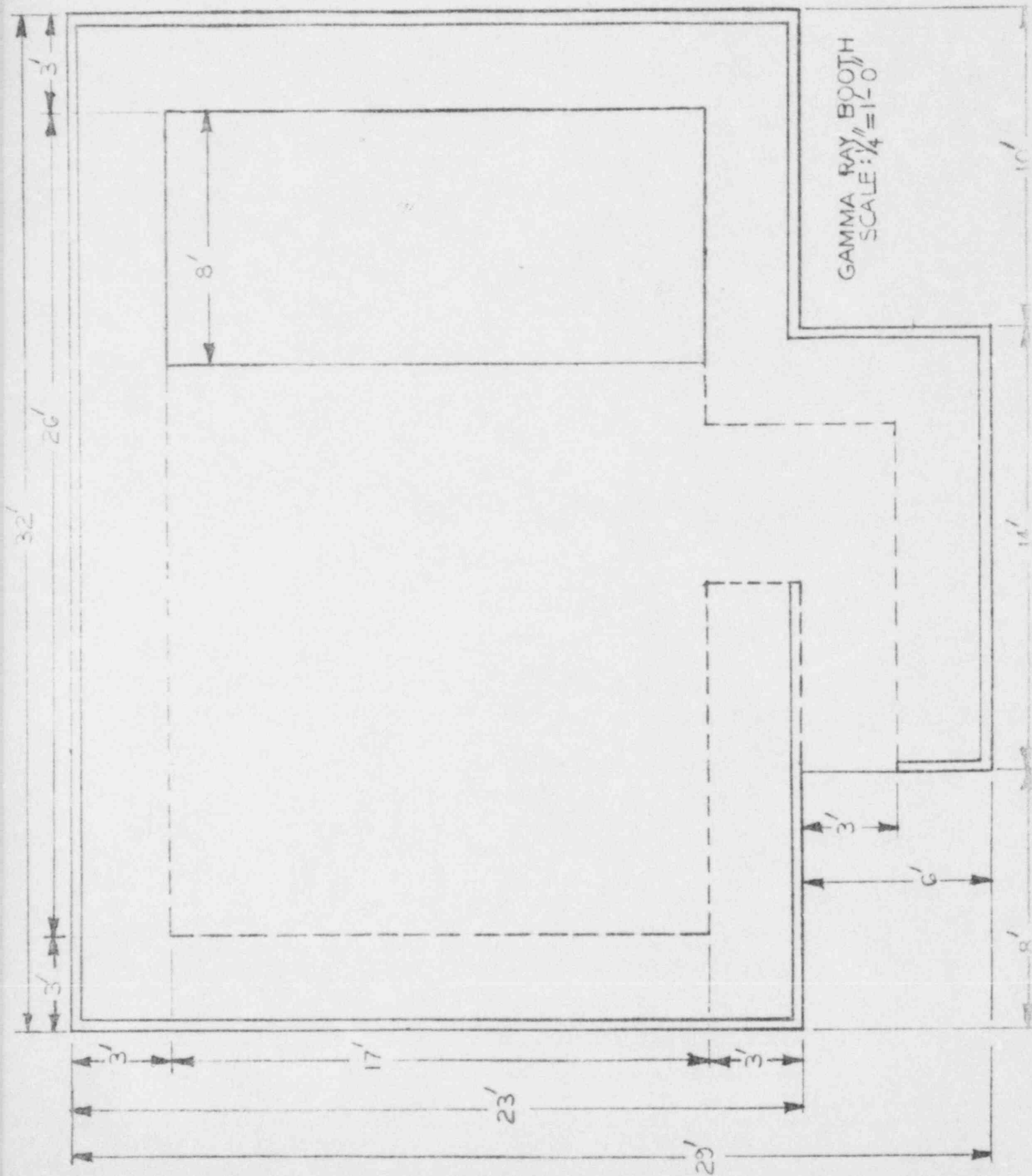
# CRANE

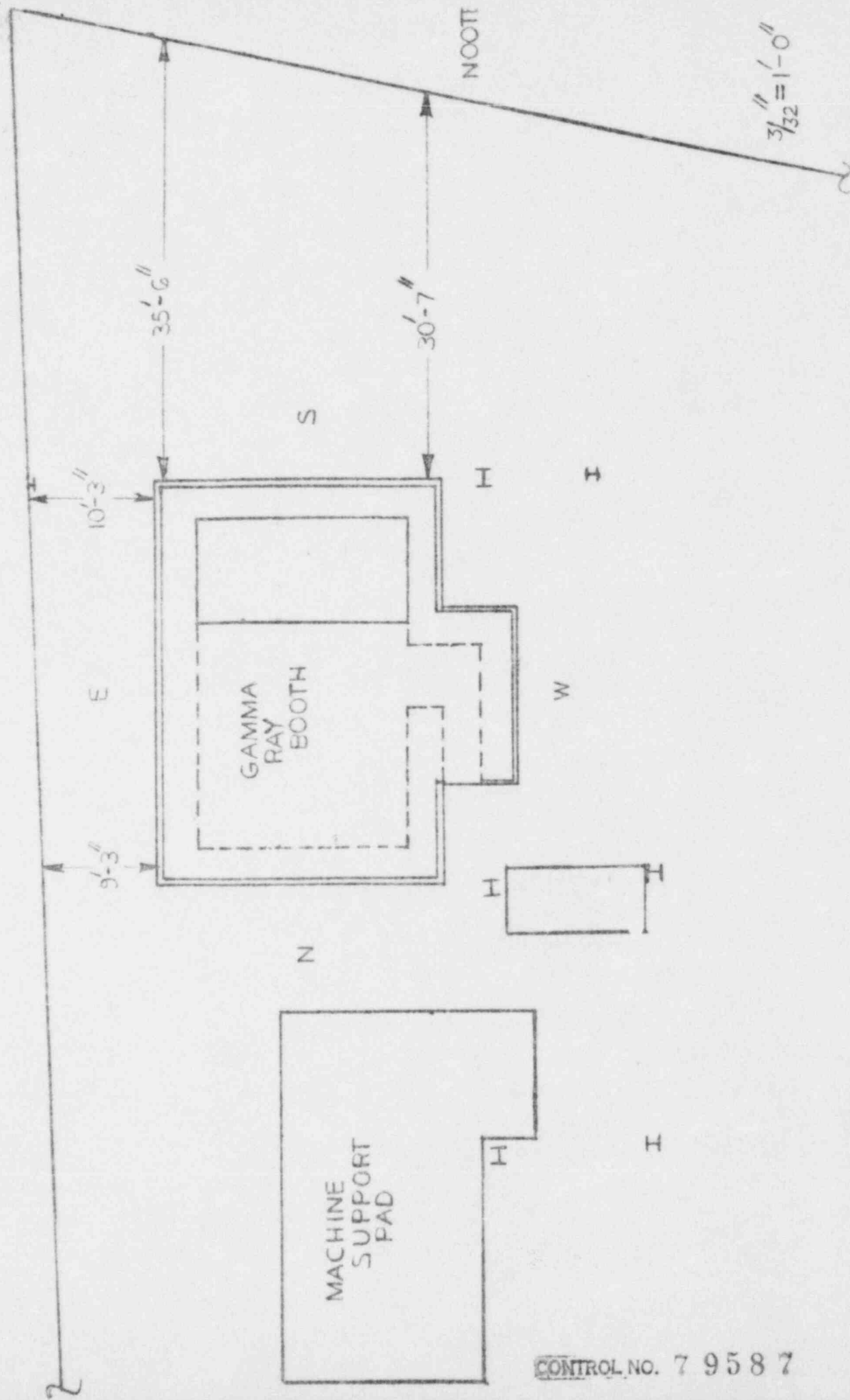
## MIDWEST FITTINGS

TELEPHONE (314) 621-8300  
TELEX 447130  
TWX 1-910-761-1109

CRANE CO. • 1450 SO. SECOND STREET • P.O. BOX 433 • ST. LOUIS, MO. 63166







CONTROL NO. 7 958 7



10. INDIVIDUALS WITH PREVIOUS RADIOGRAPHY TRAINING

10.1 Individuals with previous radiography training shall meet the following requirements.

- a. Obtain documentation from previous employer showing individual's qualifications.
- b. Receive 10 1/2 hours class room training and 30 hours on-the-job training as outlined in paragraph 4.2.1 of Crane Training Manual.
- c. Upon completion of the class room and on-the-job training, the individual with previous radiography training will be given one of the following examinations:
  - i. Individuals with previous radiography training and documentation showing qualification as a Radiographer's Assistant will be given the written examination in Appendix J of Crane's Operating and Emergency Procedure.
  - ii. Individuals with previous radiography training and documentation showing qualification as a Radiographer will be given the written examination in Appendix K of Crane's Operating and Emergence Procedures.

- 8.3 In addition to the responsibility of the NDT Department Supervision, Periodic training shall also be provided by the Radiation Safety Officer, Mr. George W. Eckert on above subject matter at intervals not to exceed six (6) months. A record of this training shall be maintained.

9. CLASSROOM TRAINING

- 9.1 Training schedule for classroom training of Radiographer's Assistant and Radiographers in accordance with Nuclear Regulatory Commission Rules and Regulations, 10 CFR Part 34.

9.2 RADIOGRAPHER'S ASSISTANTS

<u>SUBJECT MATTERS</u>	<u>APPROX. NO. HOURS</u>
Characteristics Of Gamma Radiation	1
Units Of Radiation (m/Rem) and (Curie)	1
Hazards Of Exposure To Radiation	1
Levels Of Radiation From Licensed Material	1
Methods Of Controlling Radiation Dosage	1
Use Of Radiation Survey Instruments	1
Survey Techniques	1/2
Use Of Personal Monitoring Equipment	1/2
Remote Handling Equipment, Radiographic Exposure Devices And Storage Containers	2-1/2
Case Histories Of Radiography Accidents	<u>1</u>
TOTAL	10-1/2

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TOTAL	10-1/2