030-21277
L+L = 20864
03121

NRC Form 313 I (12-81) 10 CFR 30

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR BYPRODUCT MATERIAL LICENSE
INDUSTRIAL

See attached instructions for details.

Completed applications are filed in duplicate with the Division of Fuel Cycle and Material Safety, Office of Nuclear Material Safety, and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555 or applications may be filed in person at the Commission's office at 1717 H Street, NW, Washington, D. C. or 7915 Eastern Avenue, Silver Spring, Maryland.

1. APPLICATION FOR: *(Check and/or complete as appropriate)*

X	a. NEW LICENSE
	b. AMENDMENT TO: LICENSE NUMBER
	c. RENEWAL OF: LICENSE NUMBER

2. APPLICANT'S NAME *(Institution, firm, person, etc.)*
Independent Testing Laboratories, Inc.

TELEPHONE NUMBER: AREA CODE – NUMBER EXTENSION
(301) 424-3090

3. NAME AND TITLE OF PERSON TO BE CONTACTED REGARDING THIS APPLICATION
Robert E. Tolley, Vice President

TELEPHONE NUMBER: AREA CODE – NUMBER EXTENSION
(301) 424-3090

4. APPLICANT'S MAILING ADDRESS *(Include Zip Code)*
(Address to which NRC correspondence, notices, bulletins, etc., should be sent.)
14650 Southlawn Lane, Suite 4
Rockville, MD 20850-1317

5. STREET ADDRESS WHERE LICENSED MATERIAL WILL BE USED *(Include Zip Code)*
By product material is to be used at the licensees' address as stated in Item 4, and at temporary job-sites throughout MD, VA, PA, & D.C.

(IF MORE SPACE IS NEEDED FOR ANY ITEM, USE ADDITIONAL PROPERLY KEYED PAGES.)

6. INDIVIDUAL(S) WHO WILL USE OR DIRECTLY SUPERVISE THE USE OF LICENSED MATERIAL
(See Items 16 and 17 for required training and experience of each individual named below)

	FULL NAME	TITLE
a.	Jules D. Reese, P.E.	President
b.	Robert E. Tolley	Vice President
c.	Neville M. Dick	Vice President

7. RADIATION PROTECTION OFFICER
Robert E. Tolley

Attach a resume of person's training and experience as outlined in Items 16 and 17 and describe his responsibilities under Item 15.

8. LICENSED MATERIAL

LINE NO.	A ELEMENT AND MASS NUMBER	B CHEMICAL AND/OR PHYSICAL FORM	C NAME OF MANUFACTURER AND MODEL NUMBER *(If Sealed Source)*	D MAXIMUM NUMBER OF MILLICURIES AND/OR SEALED SOURCES AND MAXIMUM ACTIVITY PER SOURCE WHICH WILL BE POSSESSED AT ANY ONE TIME
(1)	AM 241 Be	Sealed Source	Troxler DWG A102451	No source to exceed 50 mci
(2)	Ce 137	Sealed Source	Troxler DWG A102112	No source to exceed 10 mci
(3)				
(4)				License Fee Information on Next Page

	E DESCRIBE USE OF LICENSED MATERIAL
(1)	Materials will be used within Troxler gauge to determine moisture content in soils, concrete, and
(2)	built-up roof systems as well as density of soils and asphalt roadways.
(3)	
(4)	

9. STORAGE OF SEALED SOURCES

LINE NO.	CONTAINER AND/OR DEVICE IN WHICH EACH SEALED SOURCE WILL BE STORED OR USED. A.	NAME OF MANUFACTURER B.	MODEL NUMBER C.
(1)	Nuclear Moisture-Density Gauge	Troxler	3400 Series
(2)			
(3)			
(4)			

10. RADIATION DETECTION INSTRUMENTS

LINE NO.	TYPE OF INSTRUMENT A	MANUFACTURER'S NAME B	MODEL NUMBER C	NUMBER AVAILABLE D	RADIATION DETECTED (alpha, beta, gamma, neutron) E	SENSITIVITY RANGE (milliroentgens/hour or counts/minute) F
(1)	Survey Meter	Ludlum	Model 3	One	X & Gamma	0-2 mr/hr with multiples of 0.1, 1.0, 10.0 and 100.0
(2)						
(3)						
(4)						

11. CALIBRATION OF INSTRUMENTS LISTED IN ITEM 10

☒ a. CALIBRATED BY SERVICE COMPANY

NAME, ADDRESS, AND FREQUENCY
Health Physics Services, Inc.
Suite 214, 7825 Tuckerman Lane
Potomac, MD (Semi-annually)

☐ b. CALIBRATED BY APPLICANT

Attach a separate sheet describing method, frequency and standards used for calibrating instruments.

N/A

12. PERSONNEL MONITORING DEVICES

TYPE (Check and/or complete as appropriate.) A	SUPPLIER (Service Company) B	EXCHANGE FREQUENCY C
☒ (1) FILM BADGE	R. S. Landauer, Inc. Glenwood Park, IL	☒ MONTHLY
☐ (2) THERMOLUMINESCENCE DOSIMETER (TLD)		☐ QUARTERLY
☐ (3) OTHER (Specify): _____		☐ OTHER (Specify): _____

13. FACILITIES AND EQUIPMENT (Check were appropriate and attach annotated sketch(es) and description(s).

☒ a. LABORATORY FACILITIES, PLANT FACILITIES, FUME HOODS (Include filtration, if any), ETC.
☐ b. STORAGE FACILITIES, CONTAINERS, SPECIAL SHIELDING (fixed and/or temporary), ETC.
☐ c. REMOTE HANDLING TOOLS OR EQUIPMENT, ETC.
☐ d. RESPIRATORY PROTECTIVE EQUIPMENT, ETC.

14. WASTE DISPOSAL

a. NAME OF COMMERCIAL WASTE DISPOSAL SERVICE EMPLOYED

No waste generated.

b. IF COMMERCIAL WASTE DISPOSAL SERVICE IS NOT EMPLOYED, SUBMIT A DETAILED DESCRIPTION OF METHODS WHICH WILL BE USED FOR DISPOSING OF RADIOACTIVE WASTES AND ESTIMATES OF THE TYPE AND AMOUNT OF ACTIVITY INVOLVED. IF THE APPLICATION IS FOR SEALED SOURCES AND DEVICES AND THEY WILL BE RETURNED TO THE MANUFACTURER, SO STATE.

No waste generated.

Item - 11 - I

Applicant...
Check No. 222 ... #230 - 3P
Amount, Fee Category...
Type of Fee... Appl.
Date Check Rec'd 6/25/85
Received By... Jacquie

NRC FORM 313 I (12 81)

INFORMATION REQUIRED FOR ITEMS 15, 16 AND 17

Describe in detail the information required for Items 15, 16 and 17. Begin each item on a separate page and key to the application as follows:

15. RADIATION PROTECTION PROGRAM. Describe the radiation protection program as appropriate for the material to be used including the duties and responsibilities of the Radiation Protection Officer, control measures, bioassay procedures *(if needed)*, day-to-day general safety instruction to be followed, etc. If the application is for sealed source's also submit leak testing procedures, or if leak testing will be performed using a leak test kit, specify manufacturer and model number of the leak test kit.

16. FORMAL TRAINING IN RADIATION SAFETY. Attach a resume for each individual named in Items 6 and 7. Describe individual's formal training in the following areas where applicable. Include the name of person or institution providing the training, duration of training, when training was received, etc.

    a. Principles and practices of radiation protection.

    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.

17. EXPERIENCE. Attach a resume for each individual named in Items 6 and 7. Describe individual's work experience with radiation, including where experience was obtained. Work experience or on-the-job training should be commensurate with the proposed use. Include list of radioisotopes and maximum activity of each used.

18. CERTIFICATE

(This item must be completed by applicant)

The applicant and any official executing this certificate on behalf of the applicant named in Item 2, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Part 30, and that all information contained herein, including any supplements attached hereto, is true and correct to the best of our 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.

a. LICENSE FEE REQUIRED *(See Section 170.31, 10 CFR 170)*	b. CERTIFYING OFFICIAL ~~(Signature)~~ Robert E. Tolley
	c. NAME *(Type or print)* Robert E. Tolley
(1) LICENSE FEE CATEGORY:	d. TITLE Vice President
(2) LICENSE FEE ENCLOSED: $ 230.00	e. DATE 6/10/85

RESUME

ROBERT E. TOLLEY

VICE PRESIDENT OF ADMINISTRATION
ITL, INC.

SPECIALIZATION:

Construction and Business Manager

EDUCATION:

Bachelor of Arts degree, 1976, North Carolina State University, Raleigh, North Carolina

Construction Management I, II, and III, 1977, Fail's Management Institute, Raleigh, North Carolina

EXPERIENCE:

ATEC Associates of Virginia, Inc., Branch Manager, 1983 to 1985

The Robert B. Balter Company, Director of Operations, 1982 to 1983

The Robert B. Balter Company, Assistant Director of Operations, 1981 to 1982

ATEC Associates, Inc., Senior Field Technician/Inspector, 1980 to 1981

Montgomery Construction Co., Inc., Vice President, 1976 to 1980

MAJOR INSPECTION PROJECTS:

A. Soviet Embassy, Washington D.C.

B. Veterans Administration Hospital, Washington, D.C.

C. Tracor Building, Rockville, Maryland

D. Inglewood Business Park, Largo, Maryland

E. Metroplex II, Landover, Maryland

F. 4200 Massachusetts Avenue, Washington, D.C.

G. Fairview Park Interchange, Fairfax, Virginia

H. Parklane Professional Park, Tysons Corner, Virginia

I. Sheraton Tysons Hotel, Tysons Corner, Virginia

MAJOR INSPECTION PROJECTS: (Continued)

J. Tysons Tower I, Tysons Corner, Virginia

K. Westwood 9A, 8B, 2, 3, 2/3 Garage, Tysons Corner, Virginia

L. Ballston Common, Arlington, Virginia

M. Ambulatory Care II, Gaithersburg, Maryland

N. American Trucking Association Headquarters, Alexandria, Virginia

CERTIFICATION:

Washington Area Council of Engineering Laboratories (WACEL), Soils Technician Levels I and II

WACEL Concrete Technician Levels I and II

WACEL Structural Concrete Inspector

Past Member of the Board of Directors of WACEL

Troxler Electronic Laboratories, Inc., Safety and Usage

Notary Public

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

ROBERT E. TOLLEY

of

THE ROBERT B. BALTER COMPANY

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC. TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. *Principles and practices of radiation protection.*
2. *Leak testing procedures.*
3. *Mathematics and calculations basic to the use and measurement of radioactivity.*
4. *Biological effects of radiation.*
5. *Radioactivity measurement standardization and monitoring techniques and instruments.*
6. *Accident and incident procedures.*
7. *Procedures for nuclear gauge storage and transportation.*
8. *General safety precautions.*

Gauge Operation

1. *Instrument theory*
2. *Operating procedures*
3. *Maintenance*
4. *Field application*
5. *Gauge calibration*

Marion E Manley
INSTRUCTOR

4/30/81
DATE

W. . TROXLER
PRESIDENT

ATEC Associates, Inc.

NUCLEAR DENSITY OPERATOR

THIS IS TO CERTIFY THAT

Robert E. Tolley

HAS BEEN INSTRUCTED IN THE USE, CARE, AND SAFE HANDLING OF TROXLER MODEL NUCLEAR DENSITY GAUGES AND IS A LICENSED OPERATOR IN ACCORDANCE WITH MD 27.[illegible]-01

SAFETY OFFICER

EMPLOYER REPRESENTATIVE

Nº 00067

ISSUED: 4/4/83 EXPIRES: 4/4/86

D.O.B. 10/23/54 HEIGHT 6'2"

EYES: Hazel HAIR: Brown

WEIGHT: 200 lbs. COMP: Fair

SIGNATURE: Robert E. Tolley

ATEC ASSOCIATES, INC.
9590 BERGER ROAD
COLUMBIA, MD 21046
301 997-0210

RESUME

JULES D. REESE, P.E.

PRESIDENT
ITL, INC.

SPECIALIZATION:

Materials Engineer and Geotechnical Engineer

EDUCATION:

Bachelor of Science in Civil Engineering, June 1974
University of Massachusetts, Amherst, Massachusetts

Master of Engineering, August 1975, University of Florida
Gainesville, Florida

EXPERIENCE:

ATEC Associates, Inc., Vice President & Director of Technical Services 1978 to 1985

Briggs Engineering and Testing Company, Inc., Manager of Geotechnical Engineering Division, 1976 to 1978

Briggs Engineering and Testing Company, Inc., Full-time Quality Control Technician (concrete, soils, piles, and survey) Summers 1971 through 1974

CLASSIFICATION:

Expert Witness: Slope Stability, Pavements, Foundation Settlement, Flexible Conduits, and Rainfall Erosion

Professional Engineer, District of Columbia #7654, Maryland #14153

Institute for the Certification of Engineering Technicians #063839

Structural Concrete Inspector, WACEL, February 14, 1979, #0410

TECHNICAL COURSES:

Troxler Nuclear Gauge Usage & Safety Course, October 7, 1978
Marketing Professional Services, Professional Development Resources, December 8, 1979
Eastern Regions Laboratory Procedures Manual Course, Federal Aviation Administration (FAA)
ACI Seminar on Building Code Requirements for Concrete Masonry Structures, February 7, 1980
NRMCA-PRMCA, "ACI Mix Design Course," Harrisburg, Pennsylvania, October 18, 1980
Carlisle Tire and Rubber Company, Carlisle Single-Ply Roofing System Course, 1980
Roofing Industry Educational Institute (RIEI), "Design, Specification, and Maintenance of Membrane Roofing Systems," October, 1980
Essentials of Management, American Management Association, October 1980
Erosion & Sediment Control Training, State of Maryland, #3153, August 11, 1982
RIEI, "Roof Inspection, DIagnosis and Repair, "December 1982
World of Concrete, "Structural Concrete Repair Methods," "Concrete Repair Materials, Properties and Selection," February, 1984
ACI, "Rehabilitation of Concrete Structures," Baltimore Engineering Center, November, 1984

SOCIETY MEMBERSHIPS:

American Society of Civil Engineers (ASCE), (GT), #126584
American Society for Testing Materials (ASTM), #AA34901
American Concrete Institute (ACI), #613950
International Society of Soil Mechanics and Foundation Engineers (ISSMFE)
National Society of Professional Engineeres, #101790088

HONORS:

100% Club, ATEC Associates, Inc., 1983-1984
100% Club, ATEC Associates, Inc., 1982-1983
Manager of the Year, ATEC Associates, Inc., 1981-1982
Who's Who in the East, 18th Edition, 1981-1982
Associate Membership Prize Award, Boston Society of Civil Engineers (ASCE) 1974

RESEARCH:

An Experimental Study of the Effects of Saturation on the q_c and f_s Values from Cone Penetration Tests in the University of Florida Calibration Chamber, (Master's Thesis).

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

JULES D. REESE

of

ATEC ASSOCIATES OF MARYLAND, INC.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC. TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. *Principles and practices of radiation protection.*
2. *Leak testing procedures.*
3. *Mathematics and calculations basic to the use and measurement of radioactivity.*
4. *Biological effects of radiation.*
5. *Radioactivity measurement standardization and monitoring techniques and instruments.*
6. *Accident and incident procedures.*
7. *Procedures for nuclear gauge storage and transportation.*
8. *General safety precautions.*

Gauge Operation

1. *Instrument theory*
2. *Operating procedures*
3. *Maintenance*
4. *Field application*
5. *Gauge calibration*

Bill Richardson
INSTRUCTOR

10/7/78
DATE

WILLIAM F. TROXLER
PRESIDENT

ATEC Associates, Inc.

NUCLEAR DENSITY OPERATOR
THIS IS TO CERTIFY THAT

Jules D. Reese

HAS BEEN INSTRUCTED IN THE USE, CARE, AND SAFE HANDLING OF TROXLER MODEL NUCLEAR DENSITY GAUGES AND IS A LICENSED OPERATOR IN ACCORDANCE WITH MD 27.05.01

SAFETY OFFICER

EMPLOYER REPRESENTATIVE

№ 00102

ISSUED:	4-22-80	EXPIRES:	4-21-86
D.O.B.:	7-28-52	HEIGHT:	5'-11"
EYES:	Blue	HAIR:	Brown
WEIGHT:	150	COMP:	Fair

SIGNATURE

ATEC ASSOCIATES, INC.
9590 BERGER ROAD
COLUMBIA, MD 21046
301 997-0210

RESUME

NEVILLE M. DICK

VICE PRESIDENT OF FIELD OPERATIONS
ITL, INC.

SPECIALIZATION:

Senior Materials Engineer

EDUCATION:

Bachelor of Science in Civil Engineering 1969, Waltham Forest Technical College, London, England
G.C.E. - "A Level," 1963, Regent St. Polytechnic, London, England
G.C.E. - "O Level," 1961, Kingston Technical School, Jamaica, West Indies
Building Construction, Technical Drawing, Carpentry, and Joinry

EXPERIENCE:

ATEC Associates, Inc., Senior Materials Engineer, 1980 to 1985

MAJOR INSPECTION PROJECTS:

A. IBM 120 Building, Manassas, Virginia - Caissons bearing on rock, structural concrete, fill placement control, structural steel, reinforcing steel.

B. IBM 130 Building, Manassas, Virginia - Spread footing bearing on rock, structural concrete, fill placement control, structural steel, reinforcing steel.

C. 4250 Connecticut Avenue Building, Washington, D.C. - Caissons and spread footings bearing on rock, structural concrete.

D. C & P Telephone Company Fairland Office Center, Montgomery County, Maryland - Structural concrete, reinforcing steel, structural steel, masonry, built-up roofing, fire protection systems, interior finish, and bituminous concrete.

E. Centennial Plaza, 18th Street and Sherman, Denver, Colorado - Deep caisson foundation with reinforced caps and grade beams, slip-form construction. Checked placement of reinforcing steel and concrete. Collected data on cold weather concrete. Interpreted data from accelerated cure cylinders for field use. Checked rate of slip and setting up of concrete in slip form.

SUMMARY OF RESPONSIBILITIES:

Duties include supervision of all on-site technicians and final review of all inspection reports. Responsible for all quality control inspections required by job specifications which include foundation inspection (spread footing, caisson, piling), fill control, concrete (field and batch plant), reinforcing steel, bituminous concrete, masonry, built-up roofing, fire protection systems, interior finish (tenant fit-up work) and slip-form construction.

Pyramid Construction Co., Owner and General Manager, 1977 to 1980

MAJOR PROJECTS:

A. Office Building (Annex) for Explosive Co. Exchem.
B. Construction of Laborer's Housing Complex for Firestone Rubber Plantation
C. Construction of Market Place for National Housing Authority
D. Construction of low-income estate (40 units) for National Housing Authority
E. Construction of six-story office complex for Parker Industries

Liberian Development Corporation, Manager, 1976 to 1977

MAJOR PROJECTS:

Responsible for planning and programming for development of first phase of a 1,112-acre Industrial Park, including design of the infrastructure, surveys, and construction of the main access to the Park.

National Housing Authority, Liberia, Chief Engineer, 1970 to 1976

MAJOR PROJECTS:

In charge of coordinating, programming, designs, surveying, costing, scheduling, contracting, and site supervision for Government Housing projects.

Macars Construction Company, 1969 to 1970

MAJOR PROJECTS:

A. Site Engineer for construction of 100 low-cost housing units for Liberian American Iron Ore Mining Company (LAMCO) and for Bong Iron Ore Mining Company.
B. Supervisor of Construction at Main Office Building (LAMCO).
C. Supervisor of Construction at Office Building for Monrovia Brewery.

ATEC Associates, Inc.

NUCLEAR DENSITY OPERATOR
THIS IS TO CERTIFY THAT

Neville Dick

HAS BEEN INSTRUCTED IN THE USE, CARE, AND SAFE HANDLING OF TROXLER MODEL NUCLEAR DENSITY GAUGES AND IS A LICENSED OPERATOR IN ACCORDANCE WITH MD 27.03.09.01

J. M. Mirabile
SAFETY OFFICER

EMPLOYER REPRESENTATIVE

Nº 00023

ISSUED:	10-8-81	EXPIRES:	10-7-84
D.O.B.	2-8-41	HEIGHT:	6'0"
EYES:	Brown	HAIR:	Black
WEIGHT:	205	COMP:	Dark

SIGNATURE

ATEC ASSOCIATES, INC.
9590 BERGER ROAD
COLUMBIA, MD 21046
301 997-0210

May 28, 1985

Maryland Dept. of Health & Mental Hygiene
Division of Radiological Control
201 West Preston Street
Baltimore, Maryland 21201

Attention: Mr. Thomas Ferguson

Re: Control Procedures - ITL
Troxler Nuclear Moisture-Density Gauge

Dear Mr. Ferguson:

We are planning on the purchase of a Troxler nuclear soil profile gauge. It is our intent to apply for an NRC license to use the same gauge. As such our completed Control Procedures paragraph 4.0 B * shall read:

As we have secured an NRC License #_____ clearance need not be obtained for entry to non-agreement states.

Please see the attached Control Procedures.

Very truly yours,

ITL, Inc.

Jules D. Reese, P.E.
President

JDR:jm
Attachment

Independent Testing Laboratories
Control Procedures for Radioactive Materials

1.0 General

On _____, the State of Maryland issued a radioactive materials license to Independent Testing Laboratories (ITL) authorizing the company to use radioactive materials in Troxler 3411B moisture density gauges. That license is Appendix A of these procedures. In order to maintain this authorization the Radiation Safety Officer must:

A. Perform all activities within the terms and conditions of the license.

B. Become familiar with Maryland regulations 10.03.10 covering radiation protection and control all company activities to meet these requirements.

C. Insure the operation of the nuclear moisture density gauge as required by its instructions manual published by the manufacturer.

D. Carry out all provisions to these Independent Testing Laboratories' Control Procedures for radioactive materials.

2.0 Personnel Assignment and Training

A. Only authorized ITL personnel may use, transport or handle the nuclear moisture density gauges. The Radiation Safety and Officer may authorize an employee to use a device only when that employee has been properly trained in radiological safety and gauge operation and when a film badge has been issued in the employee's name.

B. The Radiation Safety Officer must have had formal training or an equivalent course taught by a Nuclear Engineer. Authorized users must receive the same scope of training but this training may be conducted by the Radiation Safety Officer who has completed a formal training course.

As of the date of issue of these procedures the authorized users have received training.

3.0 Radioactivity Exposure Control

A. A film badge will be assigned by number to each individual for his/her exclusive use while authorized to use the nuclear moisture density gauge. This badge can never be assigned to another person, except when the company manufacturing and processing the badge is changed.

B. The Radiation Safety Officer must maintain a bound log in which every use of the gauge is recorded including at least the following information:

1) Name of authorized user
2) Badge #
3) Date and time gauge was removed from isotope storage area
4) Date and time gauge was returned to isotope storage area
5) Project name gauge will be used on

C. At the end of each monthly period new film badges are issued and all badges in use at the time including one control badge will be returned to an authorized agency for evaluation.

When the yearly exposure report of each authorized individual is received from the authorized agency, the forms will be maintained in a permanent file and a copy given to the appropriate individual. The individual will sign the original to indicate receipt of the records. If the individual has left our employ the report will be sent to the last known address by registered mail, return receipt requested.

4.0 Receipt, Transfer, and Disposal of Radioactive Material

A. Record in a permanent file or log book information concerning the shipment of the radioactive material to a licensed firm for service, calibration, or disposal and the receipt of the material when it is returned.

B. *

C. At anytime it is deemed necessary to dispose of license material it will be returned to the factory for disposition or sold as an instrument to another licensed user. If the instrument is damaged beyond repair the source will be transferred to an approved disposal facility as provided by 10CFR20.301 in State regulations D16.301.

5.0 Emergency Procedures

A. In the event of physical damage to a gauge an exclusionary zone will be established with a radius of 50 feet around the gauge. All vehicles and personnel in this exclusionary zone must be stopped and remain in the area until the extent of the contamination hazard (if any) is determined.

B. Someone outside the exclusionary zone will be instructed to contact the Radiological Safety Officer. Who will in turn travel to the accident scene to assess the radiological hazard.

C. If examination of the instrument source indicates damage to the source including fracture of the weld, the Radiological Safety Officer will notify the appropriate state agencies and Troxler Electronics Laboratories.

D. All vehicles and personnel in the exclusionary zone will remain until the arrival of the appropriate state authorities in the event of source leak or separation (real or suspected).

6.0 Storage

Anytime that the nuclear moisture density gauges are not in use they will be stored in the locked cabinet at 14650 Southlawn Lane, Suite 4, Rockville, Maryland 20852-1317 or in an approved mobile storage facility. The mobile storage facility shall consist of a locked plywood cabinet with an interior welded steel frame which will be pad locked or otherwise secured to the bed of a pick-up truck. These interior locks or securing points (2) will not be accessable with the cabinet closed. The 3/4" plywood will be bolted to the steel frame using carriage bolts (nuts inside). The door has to be welded to the steel frame. The door hinges will be internally welded to the steel frame. See the attached sketches for the storage cabinet details. The cabinet will hold only 1 gauge.

The mobile storage facility will only be used at remote job sites where travel time to and from the job prohibits daily return to the Rockville facility. The pick-up truck containing the cabinet and nuclear density gauge will not be left unattended at any job site. As the pick-up truck will be the sole vehicle for transportation of the inspector and his equipment the truck will e parked over night at his motel or other accomodations when at remote job site.

7.0 Leak Testing

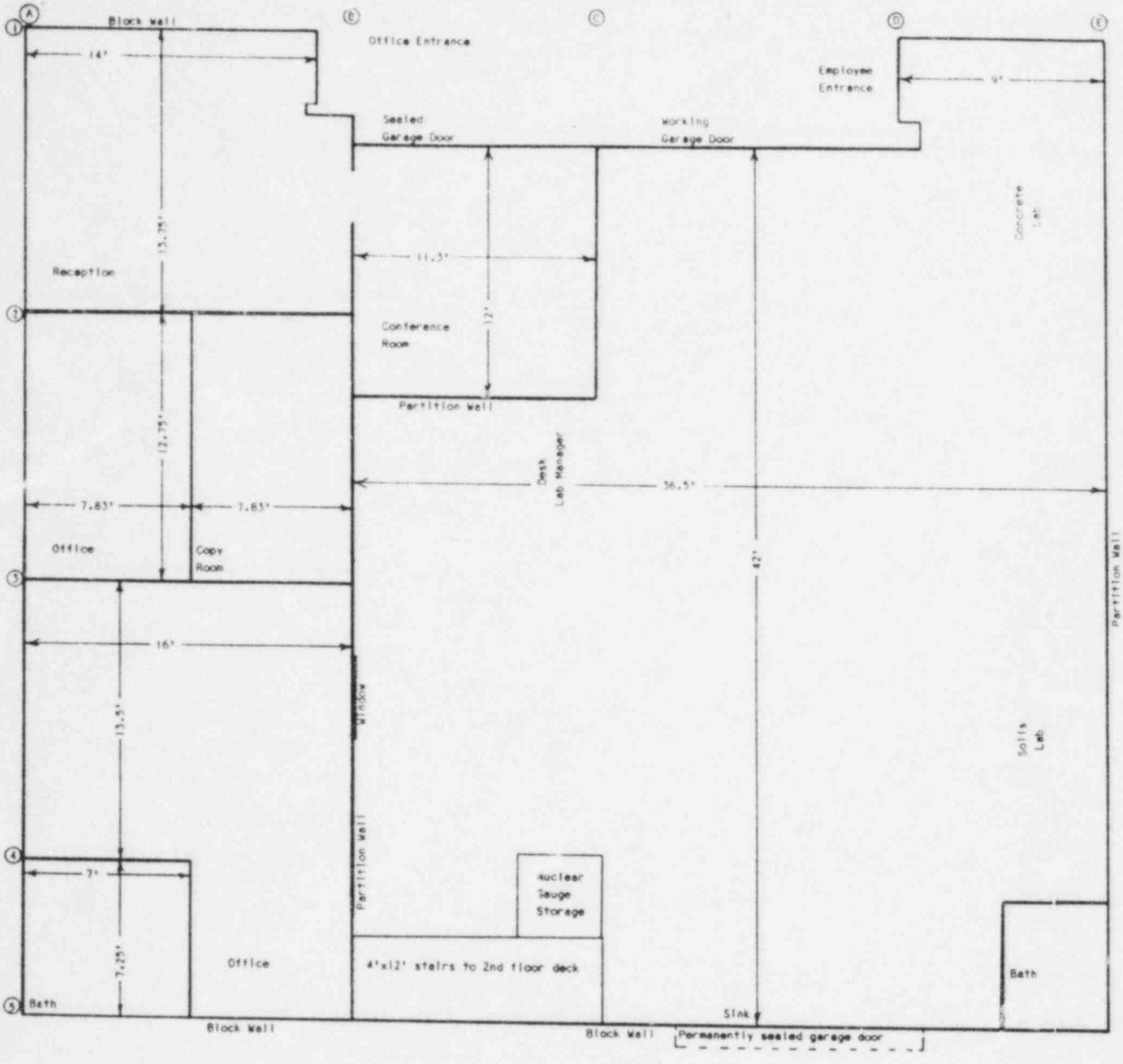
At the end of each 6 month period the gauges shall be wipe tested by the Radiological Safety Officer or a licensed consultant using an approved leak test kit. The wipe test will then be sent to a licensed consultant for evaluation. The results of these leak tests will be maintained in a permanent file.

8.0 Liasson with State Officials

At anytime a change is made or anticipated in a condition stated in the license even a change of phone number or mailing address, promptly notify the State of Maryland at the following address:

Maryland Department of Health and Mental Hygiene
Division of Radiological Control
201 West Preston Street
Baltimore, Maryland 21201

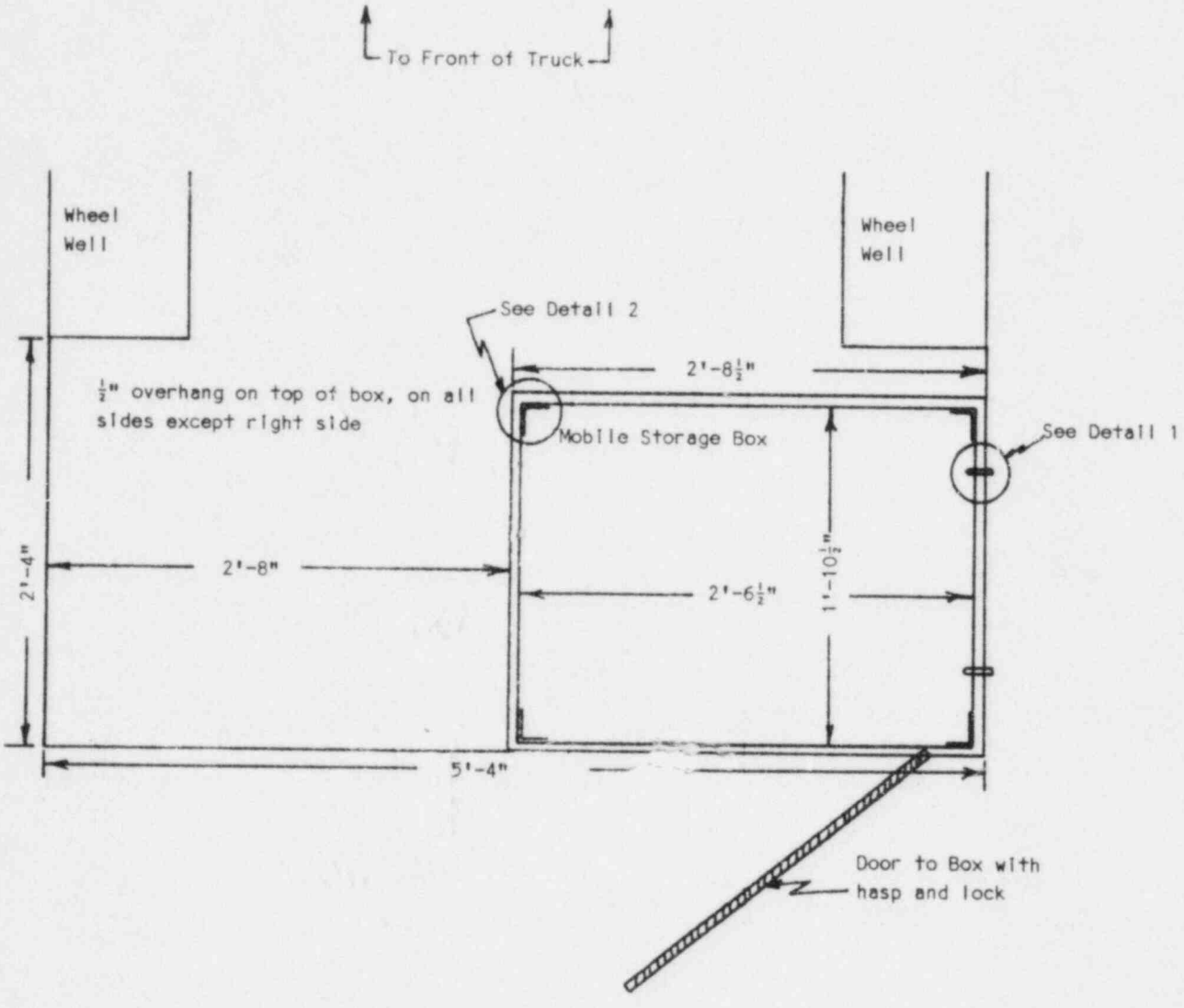
Attention: Mr. Thomas Ferguson



2nd Floor Deck A-B from lines 1-5
2nd Floor Deck Locked Storage Cage A-B from lines 1-3

FLOOR PLAN

INDEPENDENT TESTING LABORATORIES, INC.
14650 Southlawn Lane
Suite #4
Rockville, Maryland 20850-1317



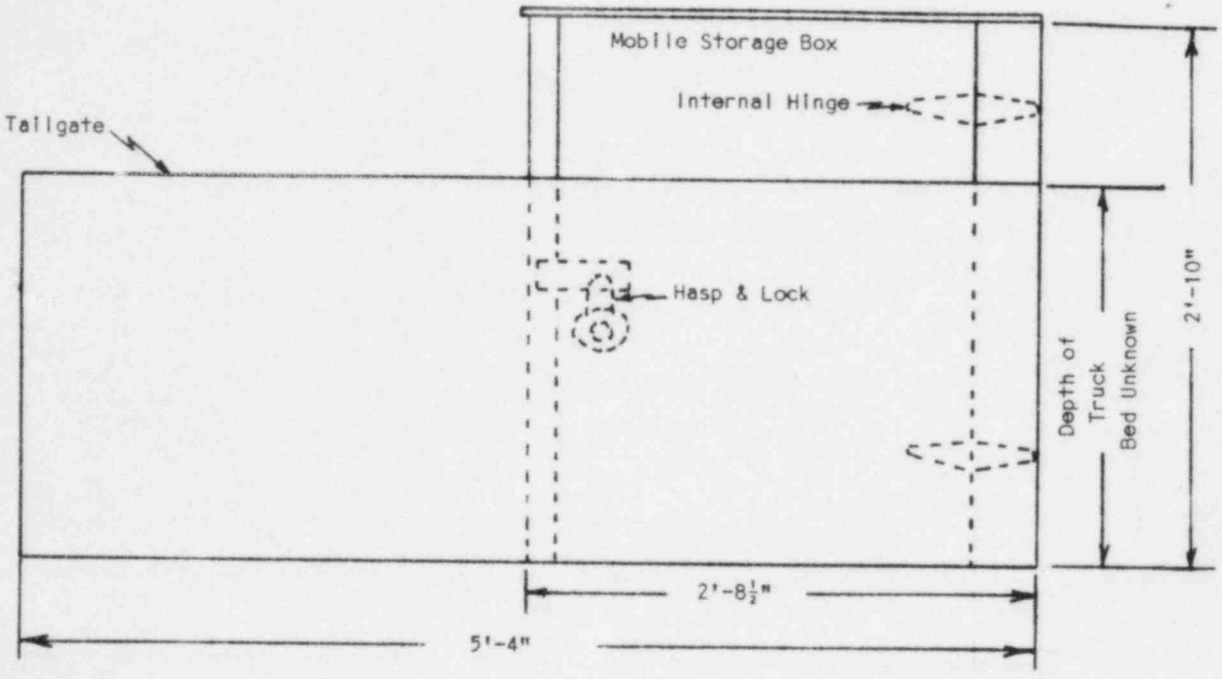
Plywood is to be 3/4" exterior type

Plan View

Mobile Storage Facility

Independent Testing Laboratories, Inc.
14650 Southlawn Lane, Suite #4
Rockville, Maryland 20850-1317

Scale 1" = 1' June 7, 1985

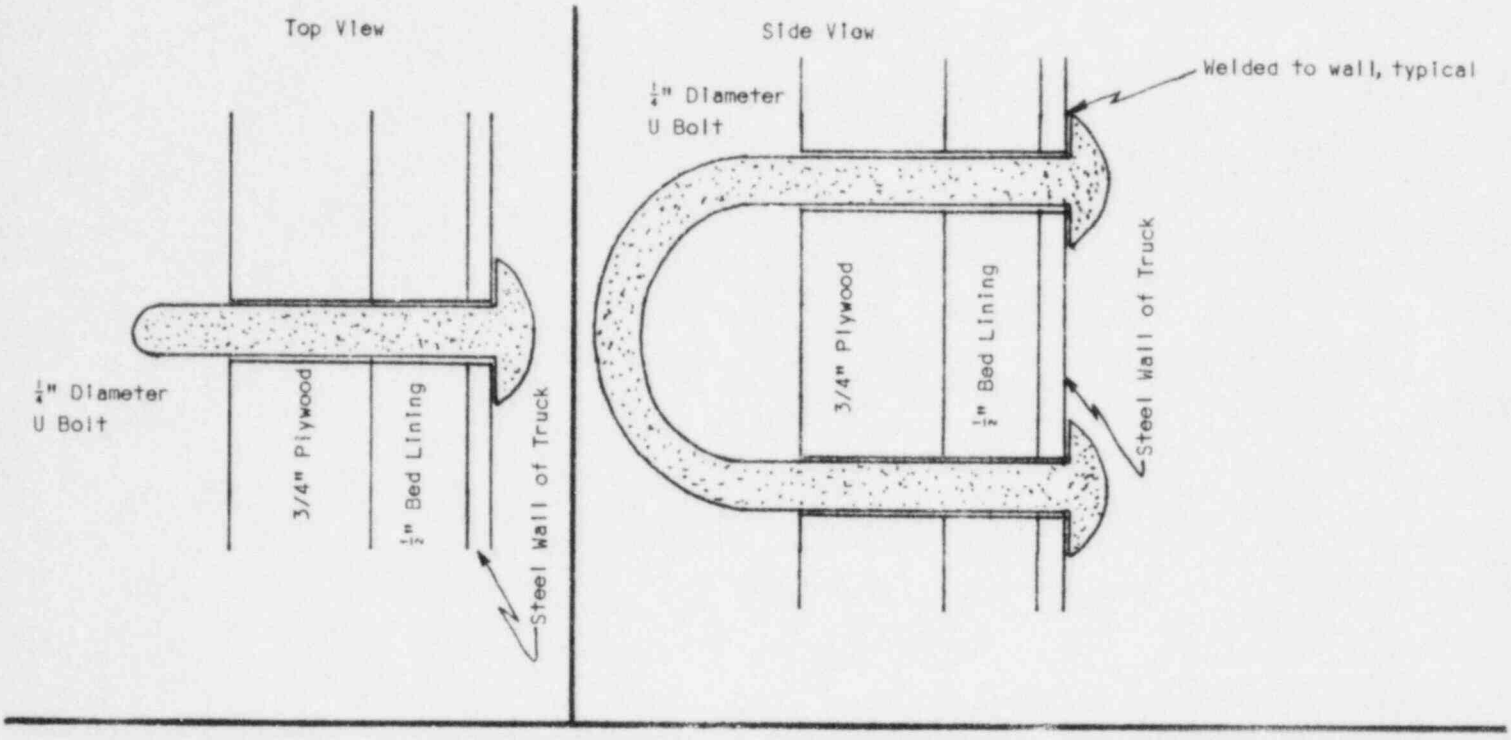


Mobile Storage Facility
View at Tailgate
Rear of Truck

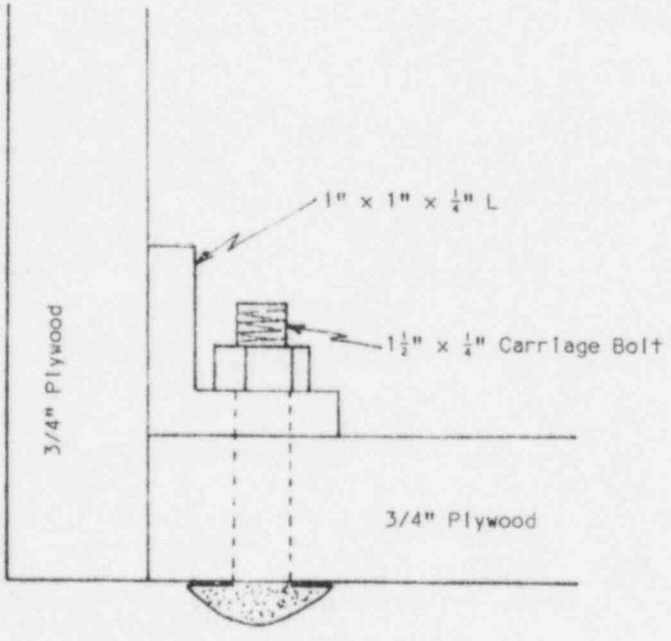
Independent Testing Laboratories, Inc.
14650 Southlawn Lane, Suite #4
Rockville, Maryland 20850-1317

Scale 1" = 1' June 7, 1985

Detail #1



Detail #2



Details
Mobile Storage Facility
Independent Testing Laboratories, Inc.
14650 Southlawn Lane, Suite #4
Rockville, Maryland 20850-1317

Scale 1" - 1" June 7, 1985