

# ASBESTOS AND LEAD SURVEY AND HAZARDOUS MATERIALS SURVEY RESULTS

Liu Property  
Salem, Oregon

Prepared by:



**centurywest**  
ENGINEERING CORPORATION

Kathleen J. Thorpe  
Senior Project Manager

Thomas B. Gainer, P.E.  
Senior Environmental Engineer

DOCUMENT  
CS10312

February 10, 1997



**centurywest**  
ENGINEERING CORPORATION

February 10, 1997

Mr. Dan Berrey  
Courthouse Square, Inc.  
340 Vista Ave.  
Salem, OR 97302

RE: Asbestos and Lead Survey and  
Hazardous Materials Survey Results  
Liu Property, Salem, Oregon

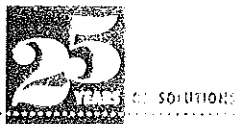
Dear Dan:

Century West Engineering Corporation (Century West) was retained by Dan Berrey of Courthouse Square, Inc., to perform an Asbestos and Lead Survey and Hazardous Materials Survey on the Liu property, located at 557, 559, and 563 Court Street NE in Salem, Oregon. The property is a 54-foot by 114-foot developed parcel containing a building which is used for residential and commercial purposes.

The purpose of the surveys was to identify and quantify asbestos containing building materials, lead based paint, and hazardous materials in the Liu building to prepare for demolition activities.

#### **SCOPE OF WORK**

In order to satisfy the above stated purpose, the survey included a physical examination of the property. A qualified subcontractor, Three Rivers Environmental, performed a survey of the Liu property on January 17, 1997 in order to identify and quantify specific asbestos containing materials (ACMS), and lead based paint. Foss Environmental Services, a qualified subcontractor performed a survey of the property on February 4, 1997 in order to identify and quantify hazardous materials. The inspections consisted of visual and tactile examination of all accessible portions of the surveyed area.



L E A D I N G   T H R O U G H   E F F E C T I V E   S O L U T I O N S

1593 Clay Street NE Salem, Oregon 97301 Phone: (503) 540-0995 FAX: (503) 589-1657

## **SAMPLING METHODOLOGY**

All observed suspect asbestos containing materials were sampled in accordance with the Asbestos Hazard Emergency Response Act (AHERA) protocol. All lead paint screen samples were collected in accordance with the Environmental Protection Agency (EPA) sampling protocol. The survey was not performed using destructive sampling methods, therefore, any unknown suspect materials revealed during demolition of the buildings should be tested for asbestos, lead content or other hazards as they become apparent, prior to their disturbance. Details of the inspection and findings are provided in the following attachments.

Approximately 90 samples were collected and submitted for analysis by polarized light microscopy (PLM) for asbestos containing building materials in accordance with National Institute of Occupational Safety and Health (NIOSH) and 40 CFR 763 as amended.

Eleven samples were collected for a lead paint screen and submitted for analysis of lead in paint according to the U.S. Department of Housing and Urban Development (HUD) guidelines, Title X of the Housing and Community Development Act of 1992. Please note, all potential lead containing paint surfaces were not sampled. According to the Federal OSHA standards, once a determination has been made that lead is present, OSHA compliance monitoring and waste stream analysis is then required on all demolition material.

The hazardous materials inventory was conducted by visually inspecting the property for polychlorinated biphenyl (PCB) containing light ballasts, florescent light tubes, and any other waste streams and containers in the buildings which would need to be properly disposed of in accordance with environmental regulations.

## **RESULTS - ASBESTOS**

Results of the analyses conducted identified asbestos in the thermal system insulation throughout the building, in the liquor store in the mastic under the 12 X 12 beige floor tile, in the 9 X 9 floor tile, in the mastic under the 9 X 9 green floor tile, in drywall taping compound, in the 1 X 1 ceiling tile and in the mastic above the ceiling tile. Asbestos was also identified in the wine shop in the 9 X 9 beige floor tile. (Appendix 1). Remodeling or demolition which may impact any of these materials is to be handled by a DEQ licensed abatement contractor.

Table 1 summarizes the material sampled, location, results, and quantity of asbestos containing building material:

**TABLE 1**  
**Summary of Asbestos Sample Locations and Results**

SAMPLE ID NUMBER	SAMPLE LOCATION	ASBESTOS CONTAINING
Approx 1000 sq ft	Thermal System Insulation Building attic, walls and floors	ASSUMED
LR-04 Approx 912 sq ft	Mastic: under 12 X 12 beige floor tile Throughout N section of liquor store	YES 10% Chrysotile
LR-07 Approx 1428 sq ft	9 X 9 Floor tile: green Throughout S section of the liquor store Assumed under the 12 X 12 beige floor tile in the N Section	YES 20% Chrysotile
LR-10 Approx 1428	Mastic: under 9 X 9 floor tile Throughout S section of the liquor store Assumed under the 12 X 12 beige floor tile in the N Section	YES 15% Chrysotile
LR-16 Approx 896 sq ft	Drywall/Taping Compound Rest room walls and ceilings in the liquor store	YES 2% Chrysotile
LR-19 Approx 256 sq ft	Ceiling Tile 1 X 1 Above rest rooms in liquor store	YES 2% Chrysotile
LR-22 Approx 256 sq ft	Mastic: under ceiling Tile 1 X 1 Above rest rooms in liquor store	YES 3% Tremolite
WN-01 Approx 600 sq ft	9 X 9 Floor tile: beige Throughout S room of the wine shop	YES 10% Chrysotile

**RESULTS - LEAD BASED PAINT**

Results of analyses conducted identified lead in paint below the DEQ cleanup level of 0.5 percent by weight in all samples except LR-01, a beige paint sample with 0.5 percent by weight located on the walls in the liquor store. The sample designated as APT 005, an exterior paint with 1.68% by weight [this paint has impacted the soil on the east side of the property] (Appendix 2) is located on the exterior east wall of the building. These results indicate that there is lead based material in the buildings. OSHA requires exposure compliance monitoring of personnel and that the waste stream be analyzed by Total Characteristic Leaching Procedure (TCLP) prior to disposal.

Table 2 summarizes the material sampled, location, results, and quantity of lead based paint materials:

**TABLE 2**  
**Summary of Lead Sample Locations and Results**

<b>SAMPLE ID NUMBER</b>	<b>SAMPLE LOCATION</b>	<b>LEAD CONTAINING</b>
APT-001	Paint Apartment 4	NO
APT-002	Paint Apartment 9	NO
APT-003	Paint Apartment Hallway	NO
APT-004	Paint Apartment 10	NO
APT-005	Paint Exterior of Building	YES 1.68 %
LR-01	Paint: Beige S. Section of Liquor Store	YES .504%
LR-02	Paint: Yellow, green & beige N section of Liquor Store	NO
WN-001	Paint: White Throughout wine shop	NO
WN-002	Paint: Yellow Trim	NO
WN-003	Paint: Green Quantity Insufficient for Analysis	Not Analyzed
WN-004	Paint: Orange Shelves	NO

**RESULTS - HAZARDOUS MATERIALS**

Typical hazardous material in office buildings include, but are not limited to: spent halogenated solvents and mixtures of these solvents used as cleaners/degreaser, Freon, paint wastes, polychlorinated biphenyls, and waste exhibiting the characteristics of ignitability, corrosivity, reactivity or toxicity. Determination of a hazardous characteristic is achieved by laboratory testing or knowledge of the nature of the waste. A waste may exhibit more than one hazardous characteristic.

Results of the survey indicated 82 PCB-containing light ballasts, 159 florescent light tubes, 20 wall mounted A/C units with Freon, 12 Refrigerators with Freon, and miscellaneous paints and cleaning supplies (Appendix 3).

**TABLE 3**  
**Summary of Hazardous Materials**

Quantity	Material	Classification
82	PCB containing light ballasts	Hazardous Material
159	Fluorescent light tubes	Hazardous Material
20	Wall mounted A/C units with Freon	Hazardous Material
12	Refrigerators with Freon	Hazardous Material
10 gal	Latex Paint	Hazardous Material
Approx 3 gal	Draino, Chrome Polish, Caustic Liquid	Hazardous Material

### **RECOMMENDATIONS**

Based upon the conclusions of this investigation of the Liu property, Century West Engineering offers the following recommendations:

- 1) At the time of or prior to demolition, asbestos-containing materials, lead-based paint, and hazardous materials should be properly handled, removed, and disposed of by a qualified contractor.
- 2) Define the extent of soil impacted by lead based paint located on the east side of the property. Collect and analyze a minimum of one surficial soil sample in an effort to evaluate the potential for soil to be negatively impacted in this area. Conduct removal action, if necessary.

### **LIMITATIONS**

In part, these findings, conclusions and recommendations are based on the best available information known or made available by regulators, other consultants or other sources. Over time, the surficial evidence of some activities is obscured or obliterated entirely. It is possible that certain adverse conditions could exist at the site which were not detected in this evaluation.

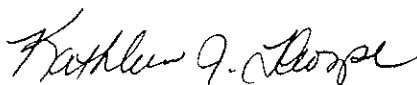
The services provided under this contract as described in this report include professional opinions and judgments based on data collected. These services have been provided according to generally accepted engineering practices. The opinions and conclusions contained in this report are typically based on information obtained from:

1. Observations and measurements made by our field staff.
2. Contacts and discussions with regulatory agencies and others.
3. Review of available hazardous substance or solid waste lists.
4. Opinions and judgments of Century West based on the information available.

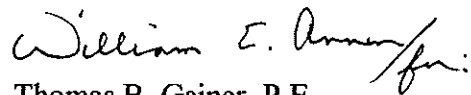
Courthouse Square, Inc. (the **CLIENT**), acknowledges that Century West has been retained for the sole purpose of assisting the **CLIENT** in evaluating the environmental liability associated with the project site. It is recognized and agreed that Century West has assumed responsibility only for performing this investigation and presenting this report and conclusions to the **CLIENT**. The responsibility for making any further evaluation, disclosure or report to any third party or for the taking of corrective, remedial and mitigative action, shall be solely that of the **CLIENT**. The **CLIENT** agrees to hold Century West harmless from any and all liability, damage, loss, cost or expense, including attorneys' fees, in any way arising from the claim of any third party. Century West agrees not to make, except to the **CLIENT** or at the **CLIENT**'s request, any report to any third party not legally required of it.

In the professional judgment of Century West, the services performed pursuant to the Scope of Services are an adequate basis to collect data for a preliminary evaluation of the site and upon which to draw the conclusions stated in this document.

Sincerely,



Kathleen J. Thorpe  
Senior Project Manager



Thomas B. Gainer, P.E.  
Senior Environmental Engineer

- Appendix 1: Results - Asbestos
- Appendix 2: Results - Lead Based Paint
- Appendix 3: Results - Hazardous Materials

**APPENDIX 1**  
**RESULTS - ASBESTOS**





LIU BUILDING  
ASBESTOS SURVEY & LEAD PAINT SCREEN TR# 1420-02  
COURT STREET NE. SALEM, OREGON 97301

INTRODUCTION  
1997  
PAGE 1 OF 1

## Introduction

January, 1997

Three Rivers Environmental performed a survey to identify specific asbestos containing materials (ACMs) and Lead containing paint that may be present at the Liu Building located at; Court Street NE. Salem, Oregon 97301

Field investigation was conducted by Jeff Smith and Darren D. Lee, of this office on January 17th of 1997.

The inspection consisted of visual and tactile examination of all accessible portions of the surveyed area. All observed suspect asbestos containing materials were sampled in accordance with the Asbestos Hazard Emergency Response Act (AHERA) protocol, and submitted for laboratory analysis. All lead paint screen samples were collected in accordance with the Environmental Protection Agency (EPA) sampling protocol and submitted for laboratory analysis.

This survey was not performed using destructive sampling methods. Any unknown suspect materials revealed during renovation of the facility should be tested for asbestos and lead content prior to their disturbance.

Please contact us with any questions or comments regarding the contents of this report.

Respectfully Submitted;

Jeff Smith  
President  
Three Rivers Environmental

## Asbestos Material Summary

### **Material: Thermal System Insulation**

Description: Thermal System Insulation, which assumed contains asbestos.  
Locations: Throughout buildings attic, walls and floors  
Quantity: Estimated: 1000 ln. ft.

### **Material: Mastic under 12x12 beige floor tile**

Description: Mastic under 12x12 beige floor tile, which contains approximately 10% chrysotile asbestos.  
Locations: Throughout N. section Liquor Store  
Quantity: Approximately: 912 sq. ft.

### **Material: Floor Tile 9x9, green**

Description: Floor Tile 9x9 green, which contains approximately 20% chrysotile asbestos.  
Locations: Throughout S. section of the Liquor Store and assumed to be under the 12x12 beige floor tile in the N. section.  
Quantity: Approximately: 1,428 sq. ft.

### **Material: Mastic under 9x9 green floor tile**

Description: Mastic under green 9x9 floor tile, which contains approximately 15% chrysotile asbestos.  
Locations: Throughout S. section of the Liquor Store and assumed to be under the 12x12 beige floor tile in the N. section.  
Quantity: Approximately: 1,428 sq. ft.

## Asbestos Material Summary

### **Material: Drywall/Taping Compound**

Description: Drywall/taping compound, which contains approximately 2% chrysotile asbestos.  
Locations: Rest room walls and ceilings in the Liquor Store  
Quantity: Approximately: 896 sq. ft.

### **Material: Ceiling Tile 1x1**

Description: Ceiling Tile 1x1, which contains approximately 2% chrysotile asbestos.  
Locations: Above rest rooms in the Liquor Store  
Quantity: Approximately: 256 sq. ft.

### **Material: Mastic under 1x1 ceiling tiles**

Description: Mastic under 1x1 ceiling tiles, which contains approximately 3% tremolite asbestos.  
Locations: Above rest rooms in the Liquor Store  
Quantity: Approximately: 256 sq. ft.

### **Material: Floor Tile 9x9, beige**

Description: Floor tile 9x9 beige, which contains approximately 10% chrysotile asbestos.  
Locations: Throughout S. room of the Wine Shop  
Quantity: Approximately: 600 sq. ft.

## TOTAL QUANTIFICATION OF ACM

<u>Material</u>	<u>Photo #</u>	<u>Approx. Quantity</u>
Thermal System Insulation	N/A	Estimated 1,000 In. ft.
LR-04 Mastic under 12x12 beige Floor Tile	15	912 sq. ft.
LR-07 Floor Tile 9x9, green	16	1,428 sq. ft.
LR-10 Mastic under 9x9 green floor tile	16	1,428 sq. ft.
LR-16 Drywall/taping compound	18	896 sq. ft.
LR-19 Ceiling Tile 1x1	19	256 sq. ft.
LR-22 Mastic under 1x1 ceiling tile	19	256 sq. ft.
WN-01 Floor Tile 9x9, beige	23	600 sq. ft.

## Bulk Sample Inventory Sheet

Sample #	Material Description	Sample Location	Photo #	Asbestos %
APT-01	Plaster, lath & plaster	Room #1	2	0%
APT-02	Plaster, lath & plaster	S. end of Hallway	3	0%
APT-03	Plaster, lath & plaster	N. end of Hallway	3	0%
APT-04	Texture Ceiling	Rooms throughout building	4	0%
APT-05	Texture Ceiling	Rooms throughout building	4	0%
APT-06	Texture Ceiling	Rooms throughout building	4	0%
APT-07	Textured Wall	Rooms throughout building	5	0%
APT-08	Textured Wall	Rooms throughout building	5	0%
APT-09	Textured Wall	Rooms throughout building	5	0%
APT-10	Sheet Vinyl, white	Room #3 Kitchen	6	0%
APT-11	Sheet Vinyl, white	Room #3 Kitchen	6	0%
APT-12	Sheet Vinyl, white	Room #3 Kitchen	6	0%
APT-13	Sheet Vinyl, beige under white Sheet Vinyl	Room #3 Kitchen	6	0%
APT-14	Sheet Vinyl, beige under white Sheet Vinyl	Room #3 Kitchen	6	0%
APT-15	Sheet Vinyl, beige under white Sheet Vinyl	Room #3 Kitchen	6	0%
APT-16	Sheet Vinyl, white & blue	Room #5 Entrance	7	0%
APT-17	Sheet Vinyl, white & blue	Room #5 Entrance	7	0%
APT-18	Sheet Vinyl, white & blue	Room #5 Entrance	7	0%

## Bulk Sample Inventory Sheet

Sample #	Material Description	Sample Location	Photo #	Asbestos %
APT-19	Sheet Vinyl, white	Room #5 Kitchen	8	0%
APT-20	Sheet Vinyl, white	Room #5 Kitchen	8	0%
APT-21	Sheet Vinyl, white	Room #5 Kitchen	8	0%
APT-22	Sheet Vinyl, beige	Room #9 Entrance	9	0%
APT-23	Sheet Vinyl, beige	Room #9 Entrance	9	0%
APT-24	Sheet Vinyl, beige	Room #9 Entrance	9	0%
APT-25	Sheet Vinyl, green squares	Stairs to Basement	10	0%
APT-26	Sheet Vinyl, green squares	Stairs to Basement	10	0%
APT-27	Sheet Vinyl, green squares	Stairs to Basement	10	0%
APT-28	Felt backing under green square Sheet Vinyl	Stairs to Basement	10	0%
APT-29	Felt backing under green square Sheet Vinyl	Stairs to Basement	10	0%
APT-30	Felt backing under green square Sheet Vinyl	Stairs to Basement	10	0%
APT-31	Sheet Vinyl, white & black	Laundry Room	11	0%
APT-32	Sheet Vinyl, white & black	Laundry Room	11	0%
APT-33	Sheet Vinyl, white & black	Laundry Room	11	0%
APT-34	Sheet Vinyl, brown wood pattern	Storage Room	12	0%
APT-35	Sheet Vinyl, brown wood pattern	Storage Room	12	0%

## Bulk Sample Inventory Sheet

Sample #	Material Description	Sample Location	Photo #	Asbestos %
APT-36	Sheet Vinyl, brown wood pattern	Storage Room	12	0%
APT-37	Exterior Cementitious material	Exterior	13	0%
APT-38	Exterior Cementitious material	Exterior	13	0%
APT-39	Exterior Cementitious material	Exterior	13	0%
APT-40	Roofing, built up	Roof	N/A	0%
APT-41	Roofing, built up	Roof	N/A	0%
APT-42	Roofing, built up	Roof	N/A	0%
	Thermal System Insulation	Throughout Building	N/A	Assumed
LR-01	Floor Tile 12x12, beige	Throughout N. Section	15	0%
LR-02	Floor Tile 12x12, beige	Throughout N. Section	15	0%
LR-03	Floor Tile 12x12, beige	Throughout N. Section	15	0%
LR-04	Mastic under 12x12 beige Floor Tile	Throughout N. Section	15	10%
LR-05	Mastic under 12x12 beige Floor Tile	Throughout N. Section	15	Not Analyzed
LR-06	Mastic under 12x12 beige Floor Tile	Throughout N. Section	15	Not Analyzed
LR-07	Floor Tile 9x9, green	Throughout S. Section	16	20%
LR-08	Floor Tile 9x9, green	Throughout S. Section	16	Not Analyzed
LR-09	Floor Tile 9x9, green	Throughout S. Section	16	Not Analyzed

## Bulk Sample Inventory Sheet

Sample #	Material Description	Sample Location	Photo #	Asbestos %
LR-10	Mastic under 9x9 green Floor Tile	Throughout S. Section	16	15%
LR-11	Mastic under 9x9 green Floor Tile	Throughout S. Section	16	Not Analyzed
LR-12	Mastic under 9x9 green Floor Tile	Throughout S. Section	16	Not Analyzed
LR-13	Plaster, lath & plaster	Throughout	17	0%
LR-14	Plaster, lath & plaster	Throughout	17	0%
LR-15	Plaster, lath & plaster	Throughout	17	0%
LR-16	Drywall/taping compound	Restrooms	18	2%
LR-17	Drywall/taping compound	Restrooms	18	Not Analyzed
LR-18	Drywall/taping compound	Restrooms	18	Not Analyzed
LR-19	Ceiling Tile 1x1	Over Restrooms	19	2%
LR-20	Ceiling Tile 1x1	Over Restrooms	19	Not Analyzed
LR-21	Ceiling Tile 1x1	Over Restrooms	19	Not Analyzed
LR-22	Mastic under 1x1 Ceiling Tile	Over Restrooms	19	3%
LR-23	Mastic under 1x1 Ceiling Tile	Over Restrooms	19	Not Analyzed
LR-24	Mastic under 1x1 Ceiling Tile	Over Restrooms	19	Not Analyzed
LR-25	Window Putty	Windows	20	0%
LR-26	Window Putty	Windows	20	0%

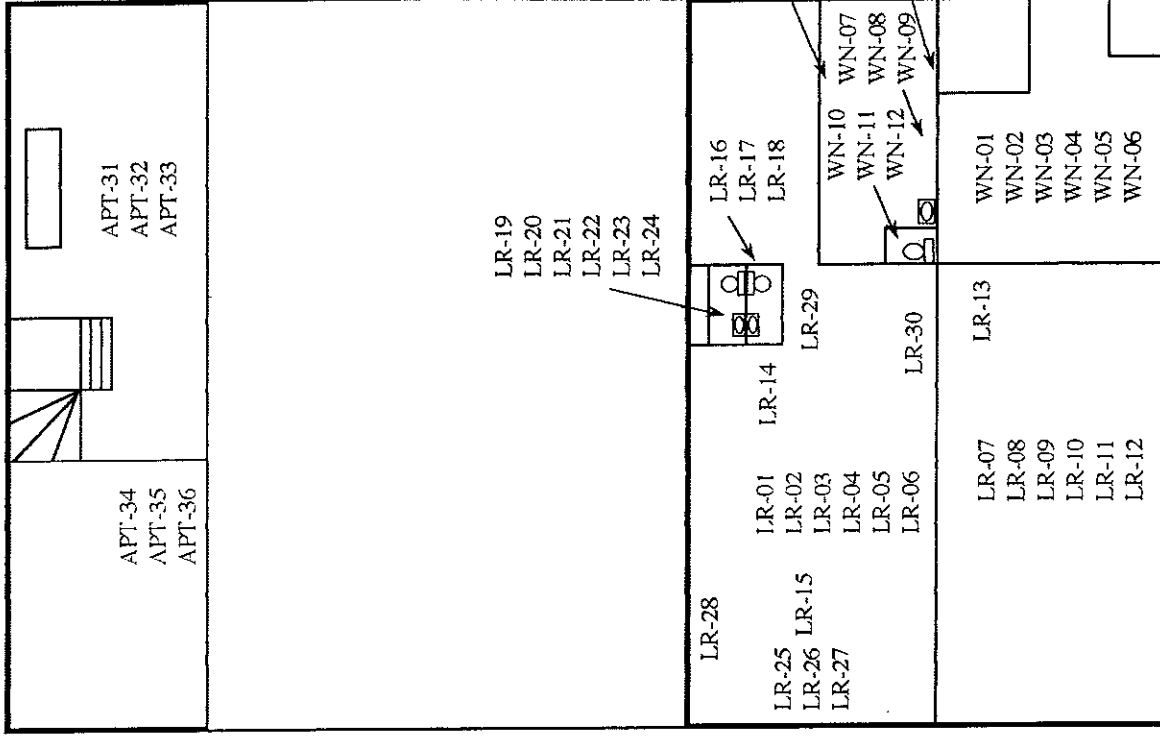
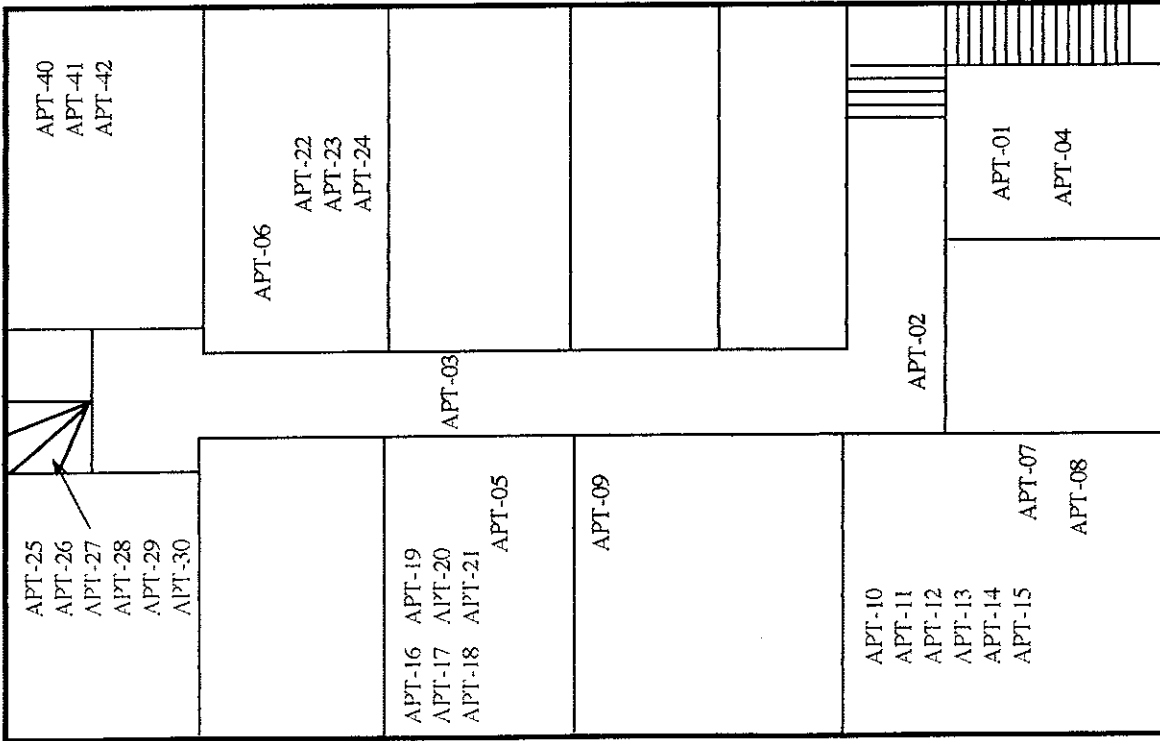


## Bulk Sample Inventory Sheet

Sample #	Material Description	Sample Location	Photo #	Asbestos %
LR-27	Window Putty	Windows	20	0%
LR-28	Cove base Mastic	Restrooms/N.Section	21	0%
LR-29	Cove base Mastic	Restrooms/N.Section	21	0%
LR-30	Cove base Mastic	Restrooms/N.Section	21	0%
	Thermal System Insulation	Throughout Building	N/A	Assumed
WN-01	Floor Tile 9x9, beige	Throughout S. Room	23	10%
WN-02	Floor Tile 9x9, beige	Throughout S. Room	23	Not Analyzed
WN-03	Floor Tile 9x9, beige	Throughout S. Room	23	Not Analyzed
WN-04	Mastic under 9x9 beige Floor Tile	Throughout S. Room	23	0%
WN-05	Mastic under 9x9 beige Floor Tile	Throughout S. Room	23	0%
WN-06	Mastic under 9x9 beige Floor Tile	Throughout S. Room	23	0%
WN-07	Sheet Vinyl, red, beige & black	NW Section N. Room	24	0%
WN-08	Sheet Vinyl, red, beige & black	NW Section N. Room	24	0%
WN-09	Sheet Vinyl, red, beige & black	NW Section N. Room	24	0%
WN-10	Sheet Vinyl, white	Restroom	25	0%
WN-11	Sheet Vinyl, white	Restroom	25	0%
WN-12	Sheet Vinyl, white	Restroom	25	0%

## Bulk Sample Inventory Sheet

Sample #	Material Description	Sample Location	Photo #	Asbestos %
WN-13	Drywall/Taping Compound	North Wall	26	0%
WN-14	Drywall/Taping Compound	North Wall	26	0%
WN-15	Drywall/Taping Compound	North Wall	26	0%
WN-16	Plaster, lath & plaster	North Wall	27	0%
WN-17	Plaster, lath & plaster	North Wall	27	0%
WN-18	Plaster, lath & plaster	North Wall	27	0%
	Thermal System Insulation	Throughout Building	N/A	Assumed
APT=	Apartments			
LR=	Liquor Store			
WN=	Wine Shop			



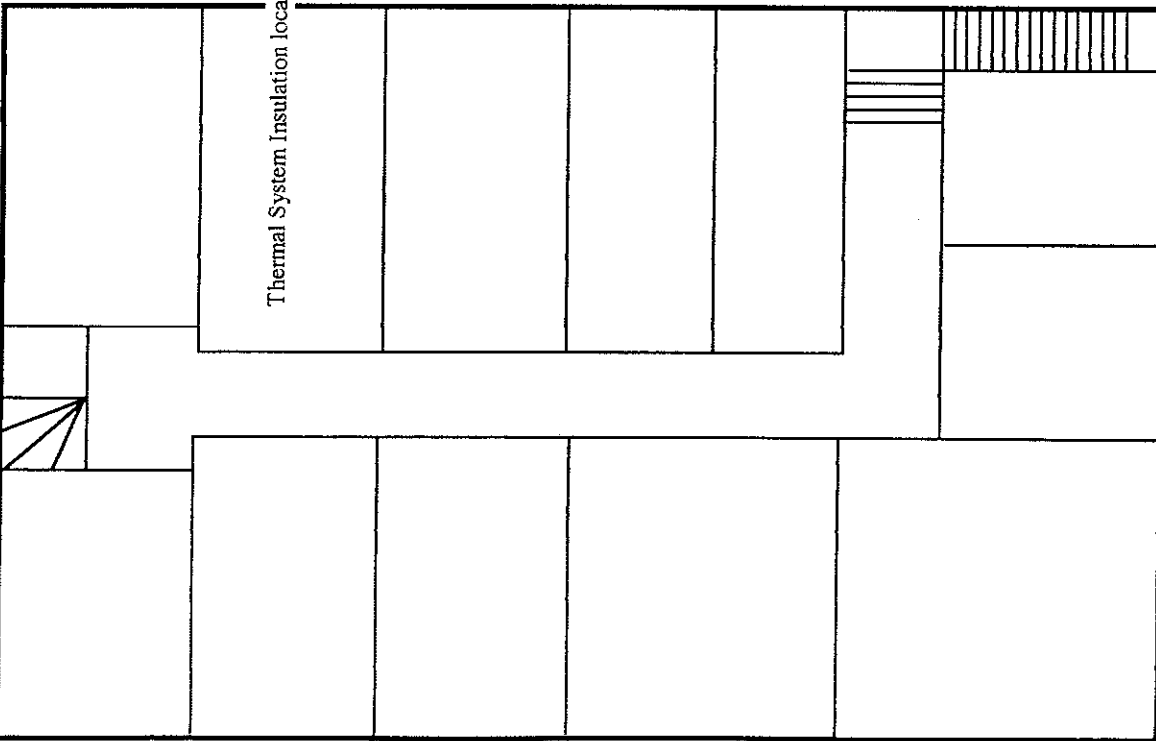
P.O. Box 216 Gladstone, Oregon 97027 (503) 557-2596

## ASBESTOS SAMPLE LOCATIONS DIAGRAM

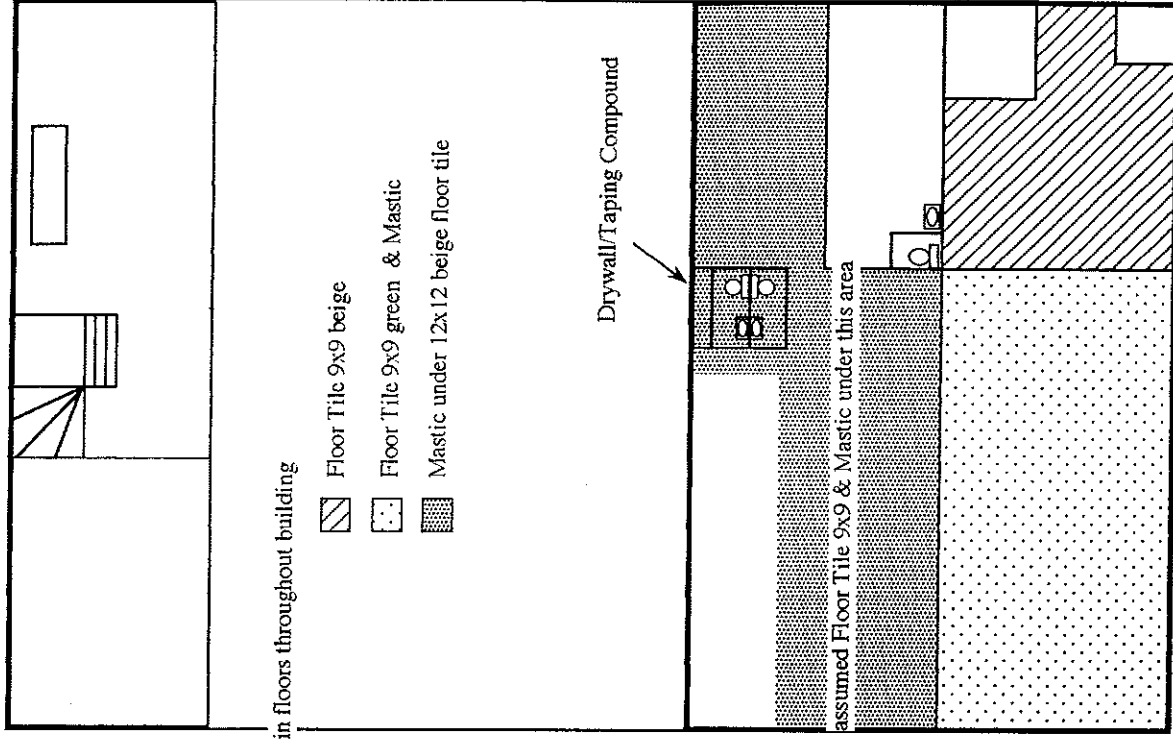
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


**Asbestos Survey Report**  
**LJU BUILDING**  
 Court Street NE Salem, Oregon 97301  
 Project #: 1420-02

DATE:	1/97
DRWN BY:	JLS
DGRM #:	01



Thermal System Insulation located in attic, walls and in floors throughout building



-  Floor Tile 9x9 beige
-  Floor Tile 9x9 green & Mastic
-  Mastic under 12x12 beige floor tile

Drywall/Taping Compound


assumed Floor Tile 9x9 & Mastic under this area

DATE:	1/97
DRWN BY:	JLS
DGRM #:	03

**Asbestos Survey Report**  
**LJU BUILDING**  
 Court Street NE Salem, Oregon 97301  
 Project #: 1420-02

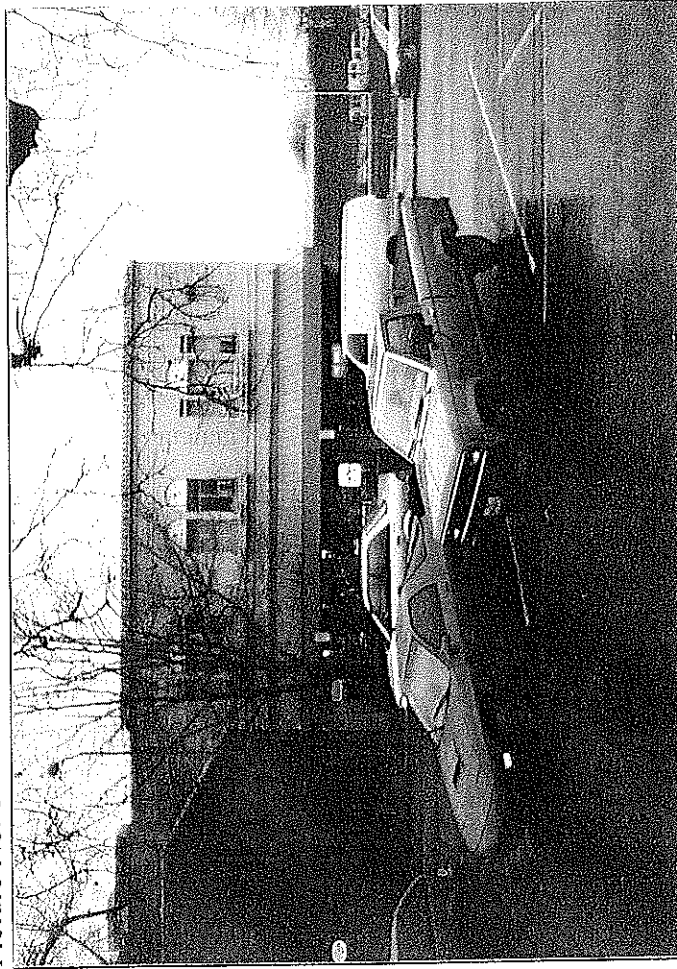
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**DIAGRAM**

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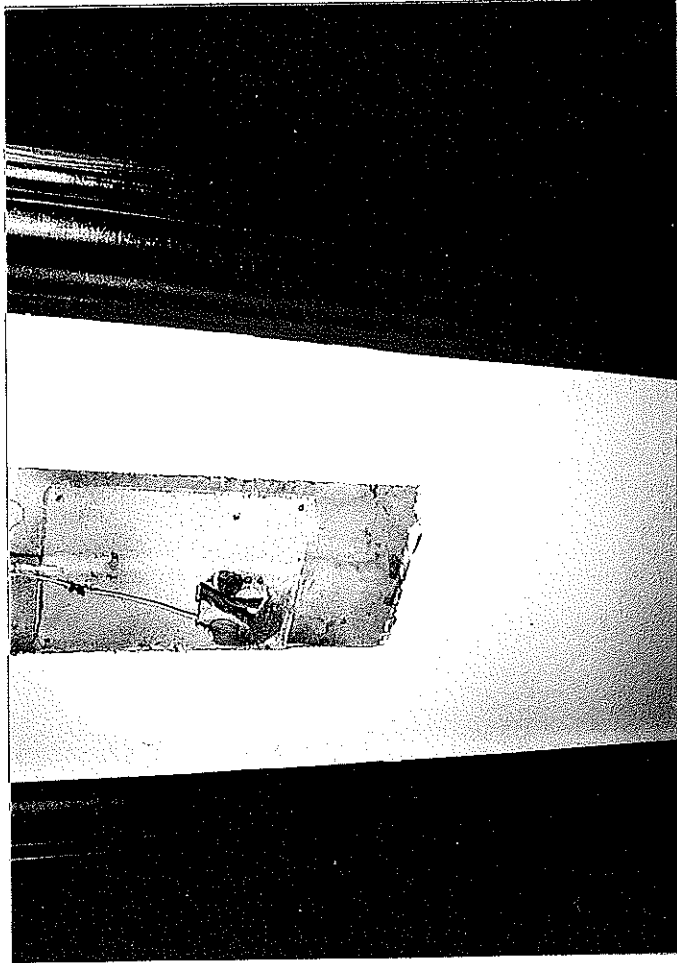


**THREE RIVERS**  
**ENVIRONMENTAL**  
 P.O. Box 216 Gladstone, Oregon 97027 (503) 657-2396

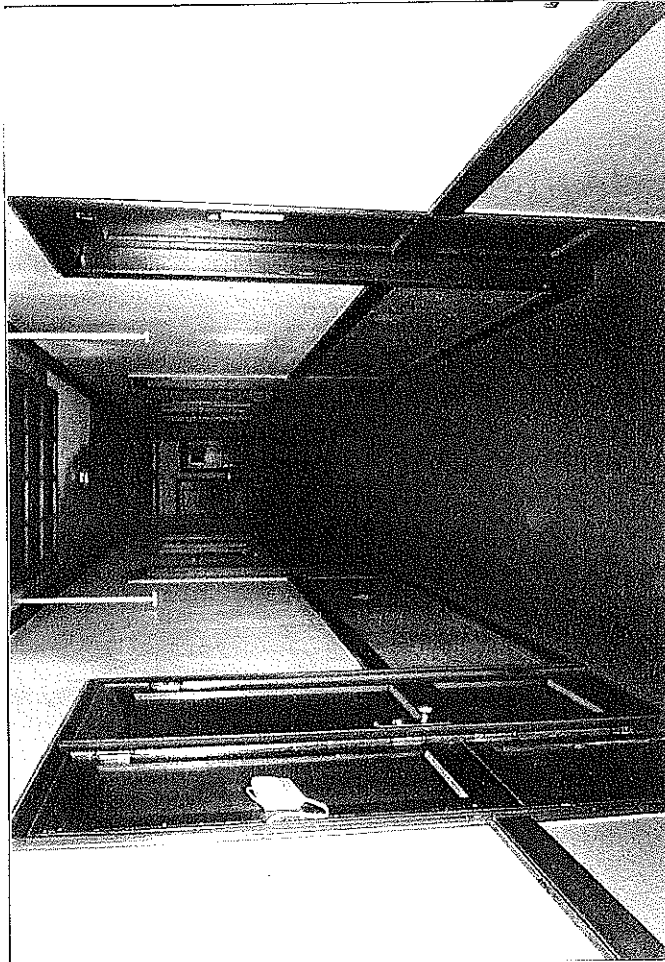
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Picture No. 2



Picture No. 3



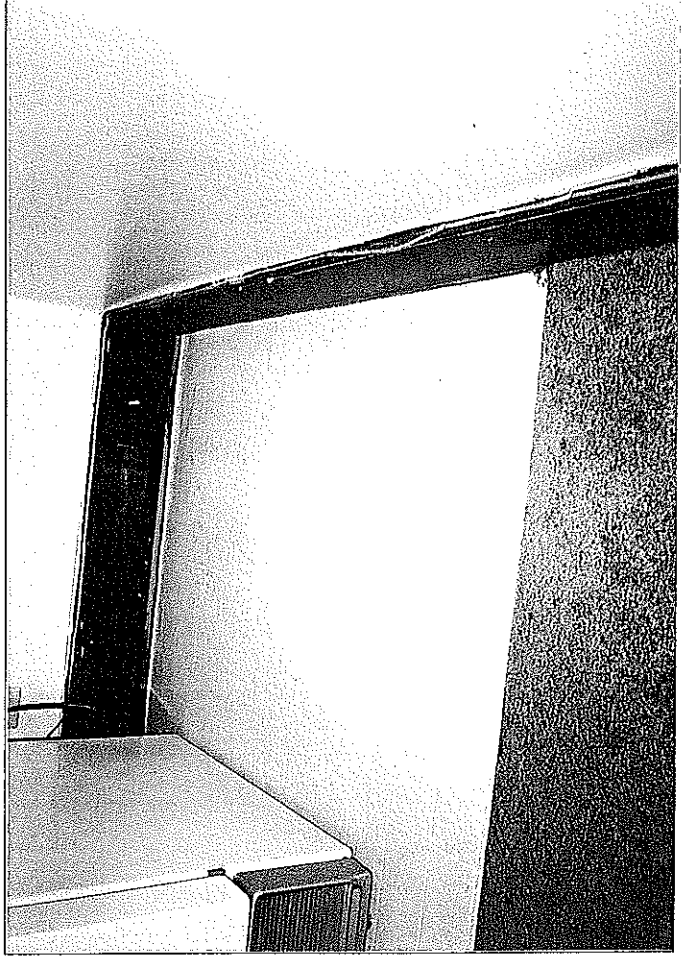
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Picture No. 6



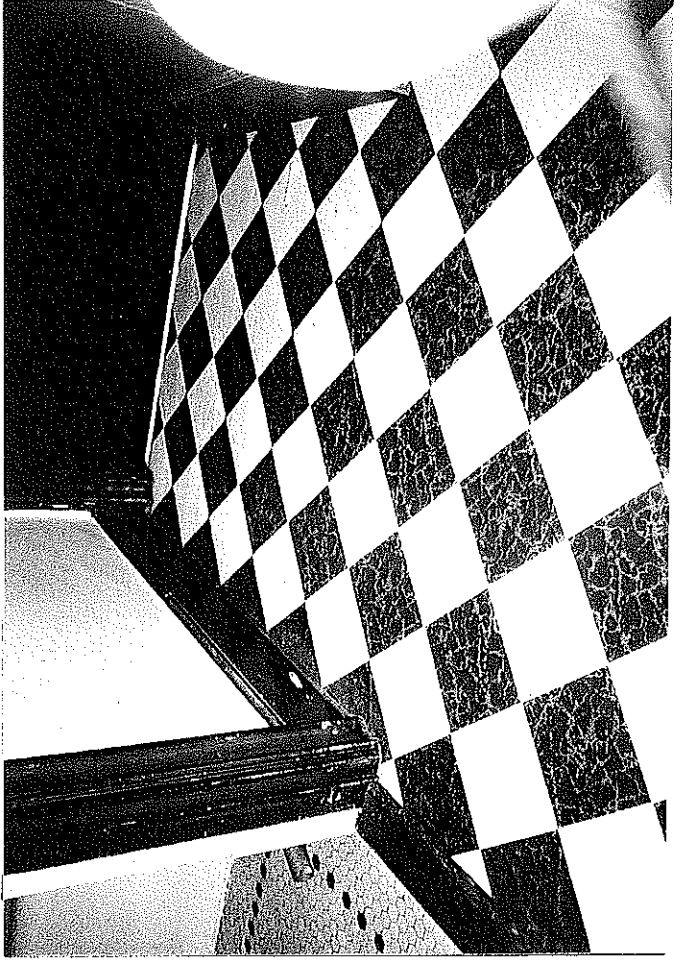
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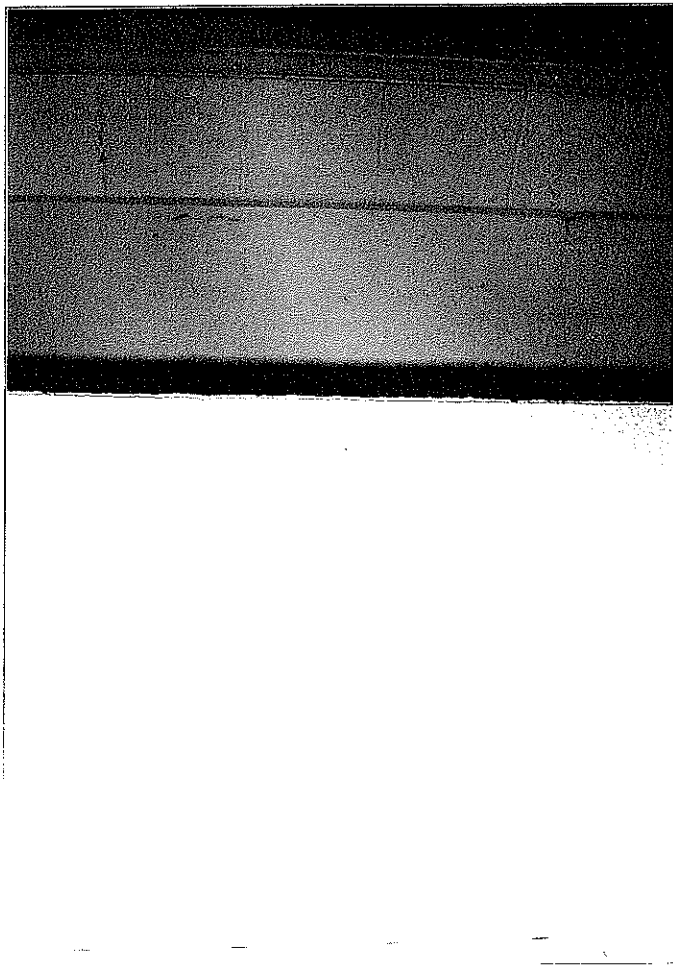
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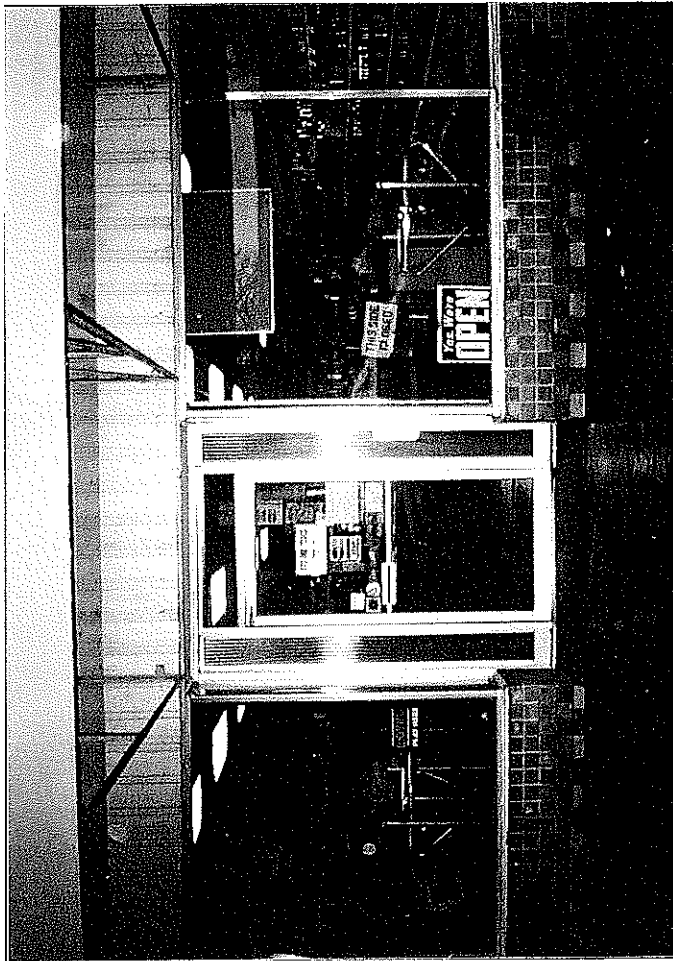
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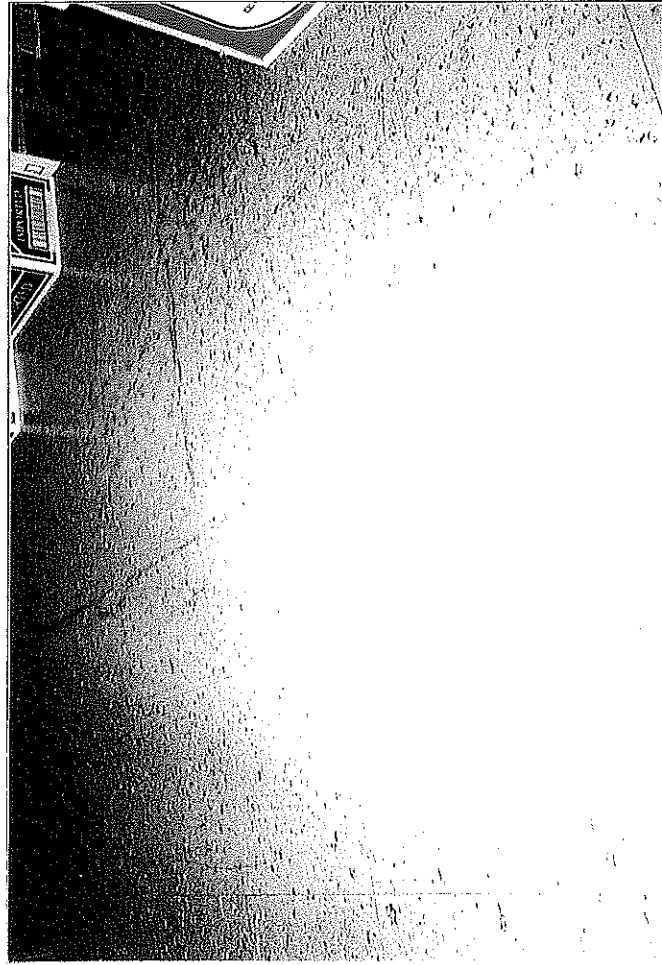
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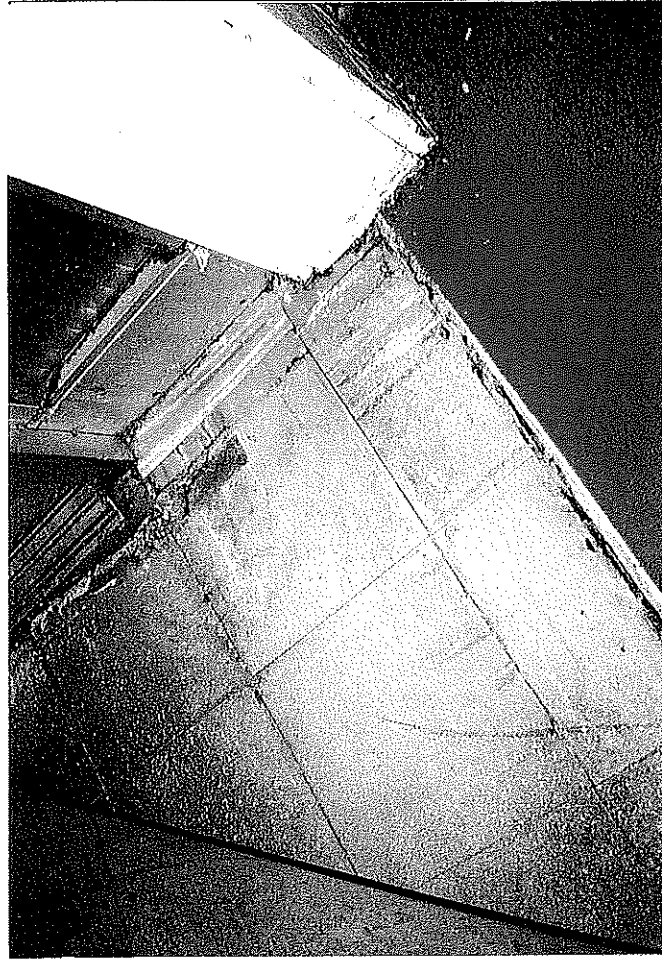
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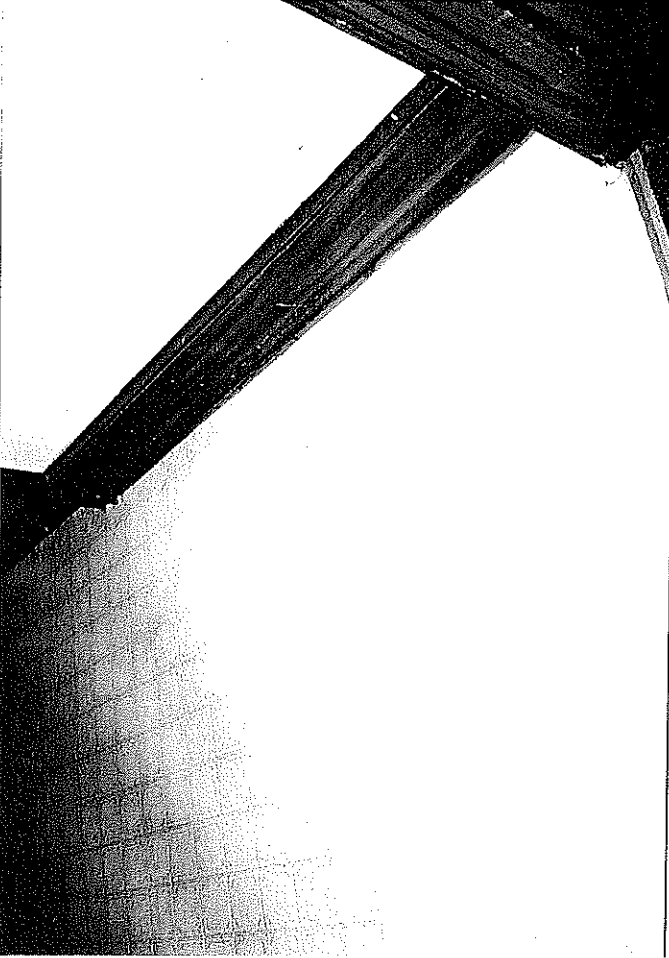
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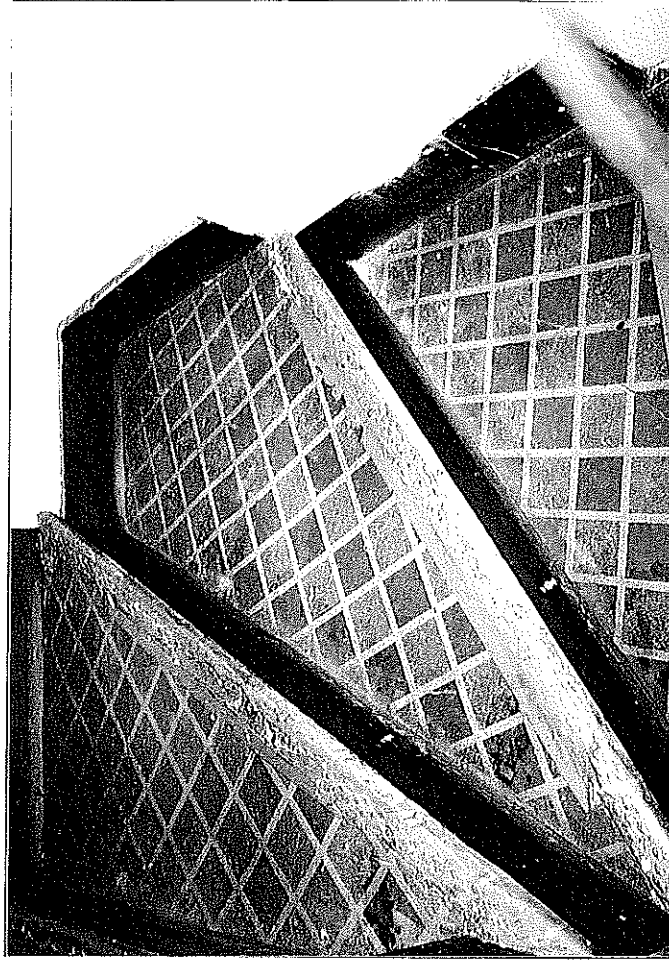
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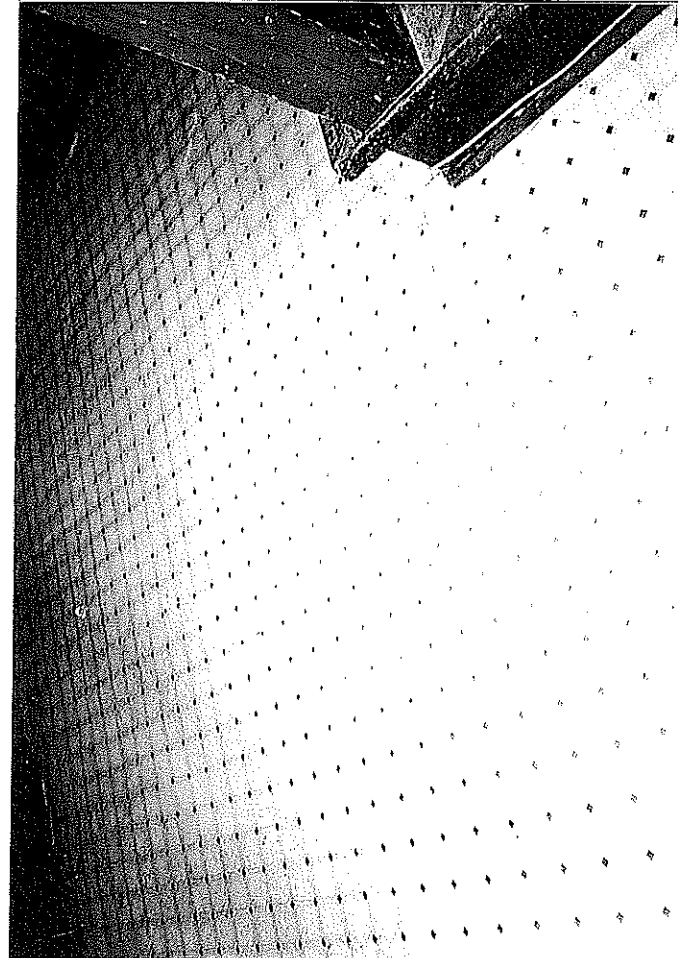
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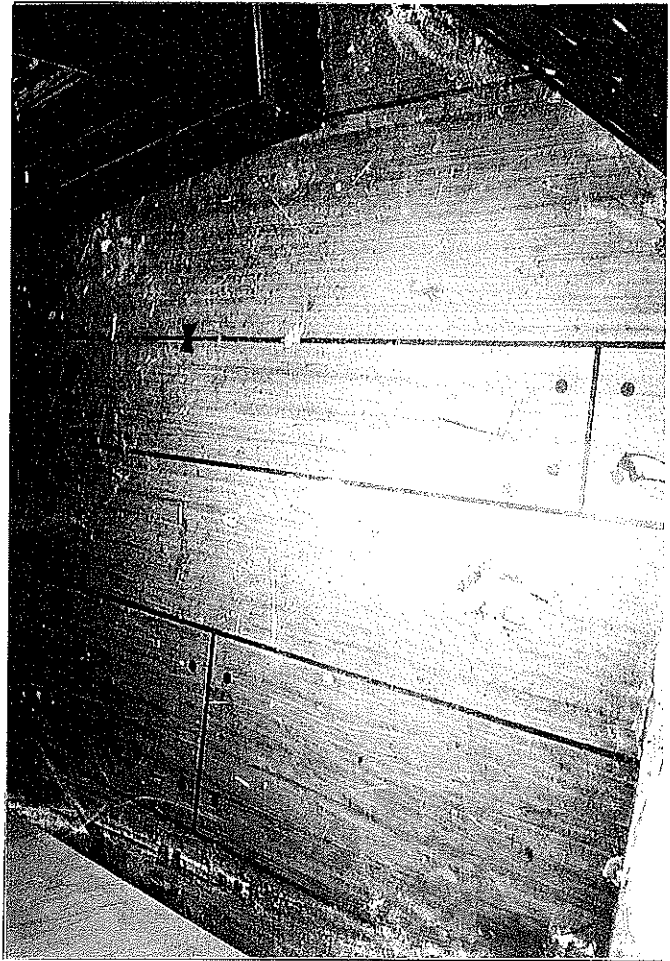
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Picture No. 11



Picture No. 12

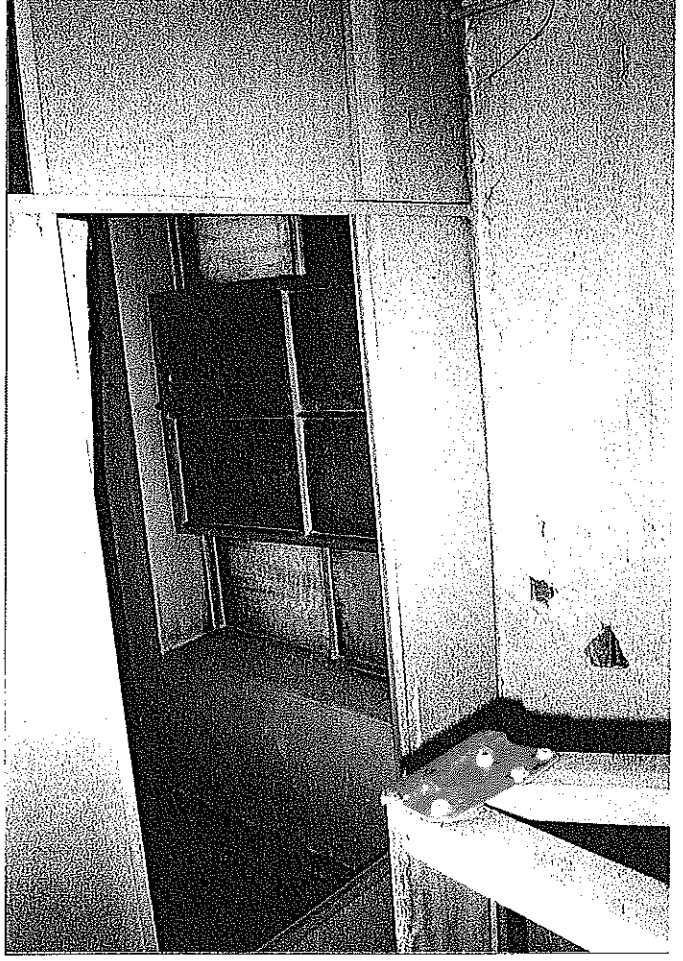




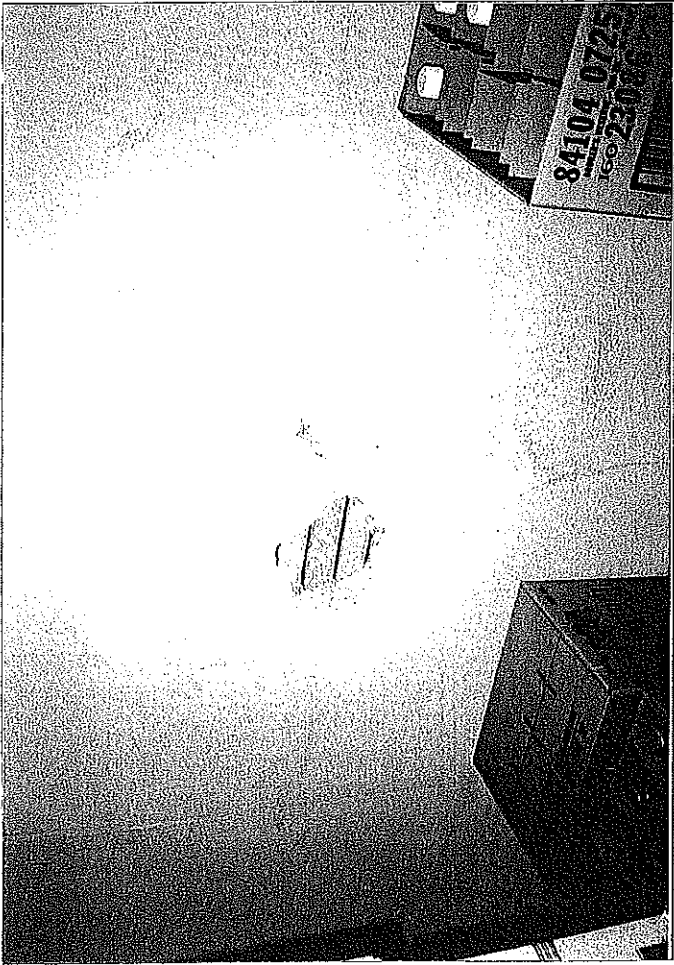
Picture No. 18



Picture No. 20



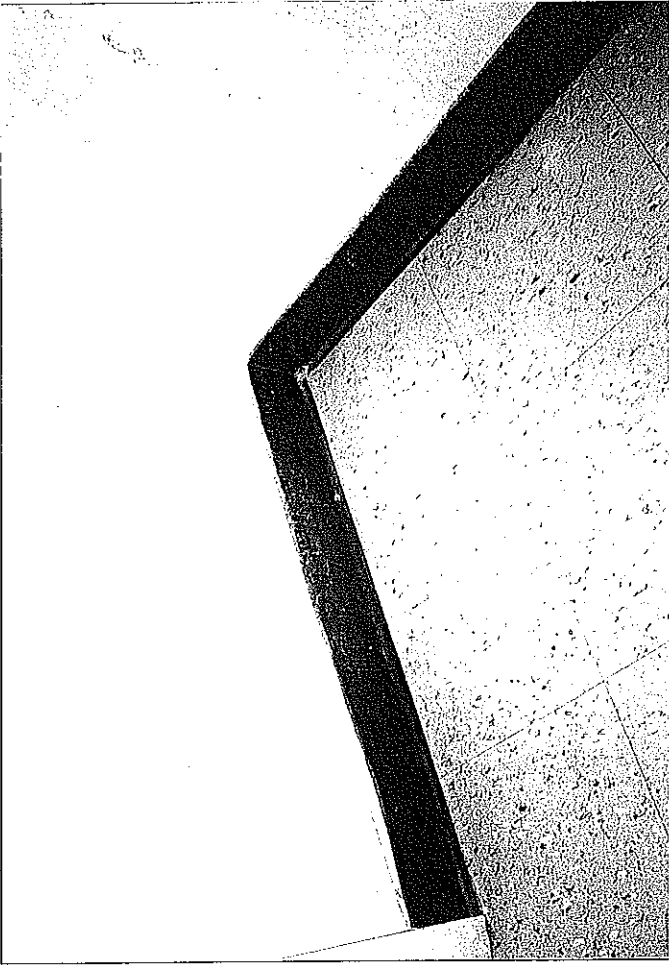
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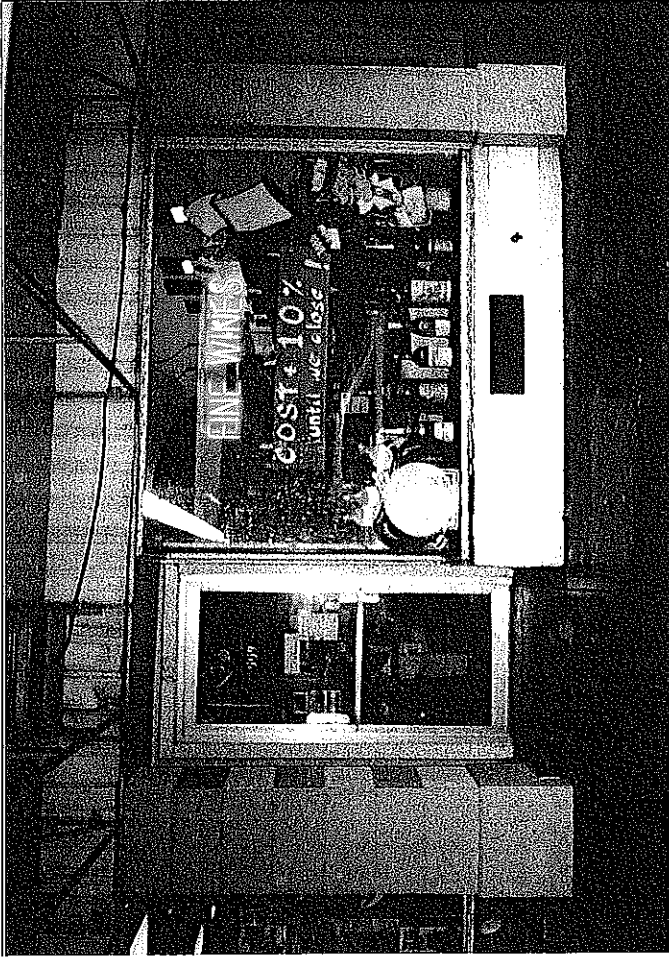
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Picture No. 21



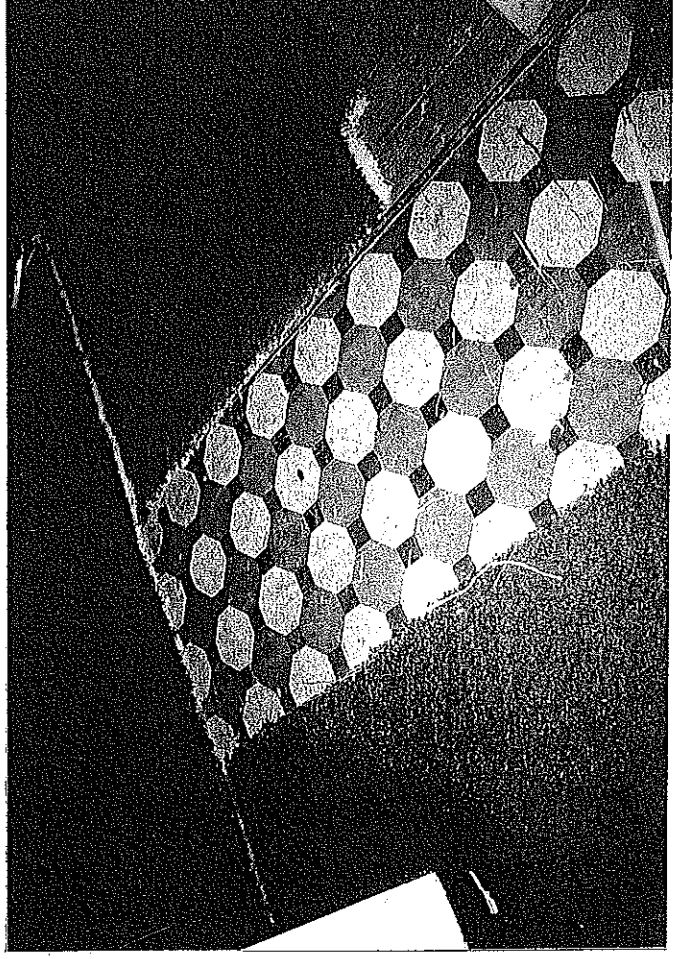
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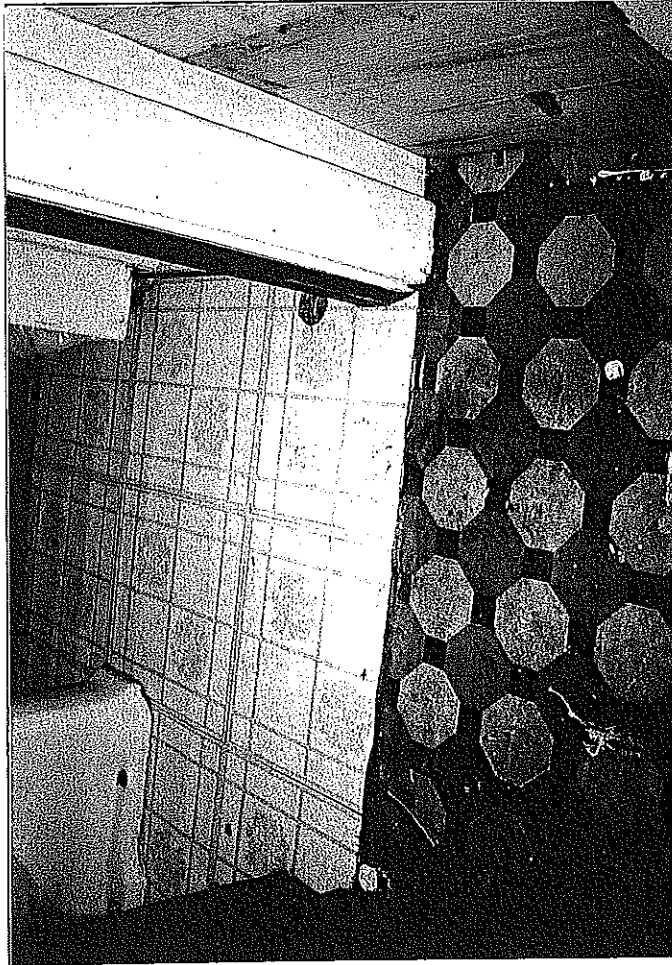
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Picture No. 24



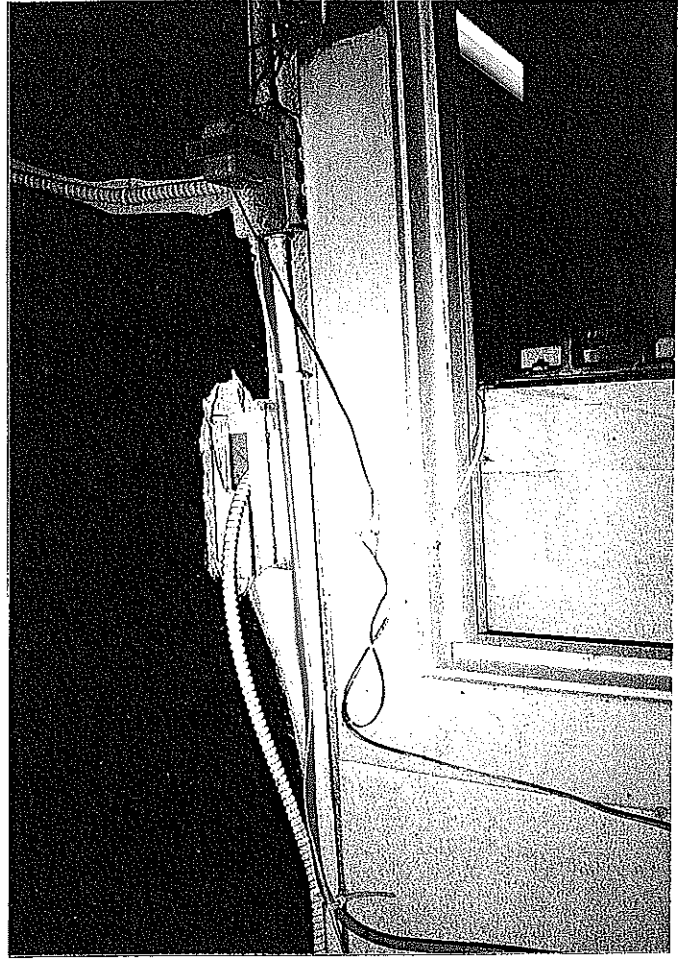
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Picture No. 26



Picture No. 27



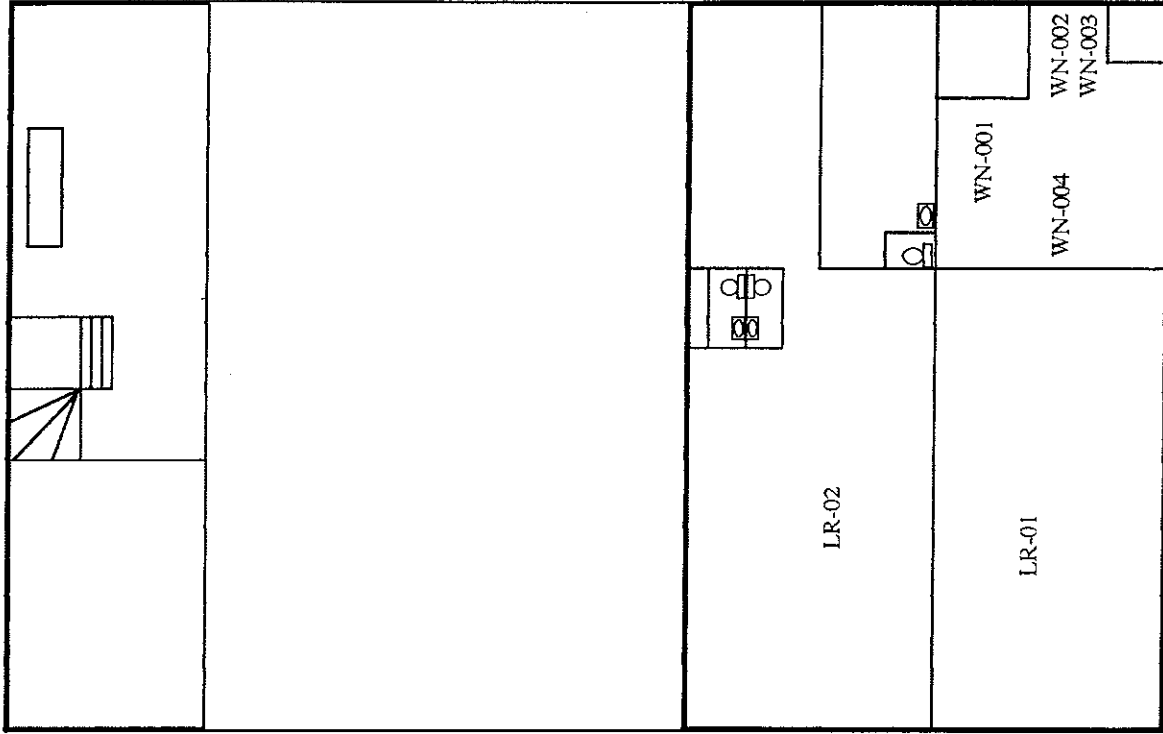
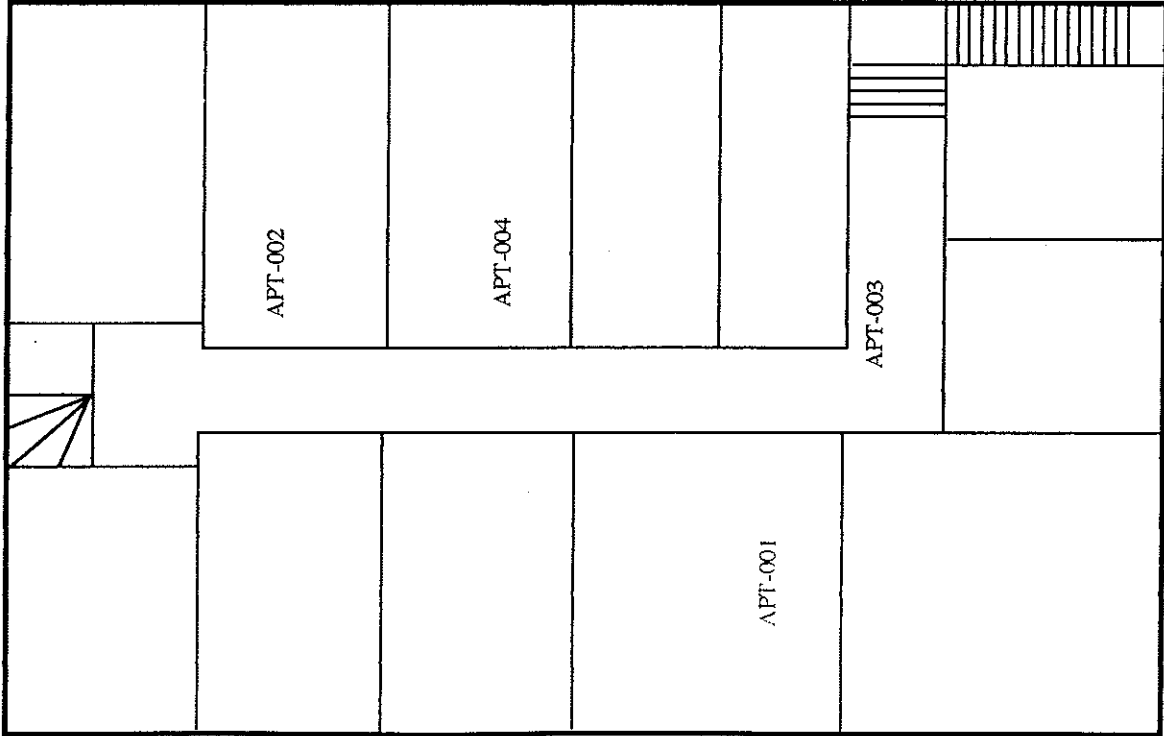
## Lead Paint Sample Inventory Sheet

Sample #	Material Description	Sample Location	Sample Type	Photo #	Lead %
APT-001	Paint layered	Room #4 Apartments	Chip	1	0.102%
APT-002	Paint layered	Room #9 Apartments	Chip	2	0.249%
APT-003	Paint layered	Hallway Apartments	Chip	N/A	<0.038%
APT-004	Paint layered	Room #10 Apartments	Chip	N/A	0.230%
APT-005	Paint layered	Exterior of Bldg.	Chip	3	1.68%
LR-01	Paint beige	S. section of Liquor Store	Chip	4	0.504%
LR-02	Paint yellow green & beige	N. section of Liquor Store	Chip	5	0.236%
WN-001	Paint white	Throughout Wine Shop	Chip	6	<0.014%
WN-002	Paint Yellow	Trim	Chip	7	<0.046%
WN-003	Paint green	QUANTITY INSUFFICIENT FOR ANALYSIS			
WN-004	Paint orange	Shelves	Chip	9-10	<0.055%

Federal Lead Standards: Lead Paint: 1.0 mg/cm<sup>2</sup> or 5,000ug/g (0.5% by weight)

Dust Levels for Lead Hazard Screen (wipe samples): 50ug/ft<sup>2</sup>

Referring to the U.S. Department of Housing and Urban Development (HUD) guidelines, Title X of the Housing and Community Development Act of 1992.



P.O. Box 216 Clatskanie, Oregon 97027 (503) 551-2396

## LEAD SAMPLE LOCATIONS DIAGRAM

(Drawing Not to Scale)

**Asbestos Survey Report**  
**LIU BUILDING**  
 Court Street NE Salem, Oregon 97301  
 Project #: 1420-02

DATE:	1/97
DRWN BY:	JLS
DGRM #:	02

# ENVIRONMENTAL HAZARDS SERVICES, INC

7469 White Pine Road  
Richmond, Virginia 23237  
Phone: (804) 275-4788 Fax: (804) 275-4907

## BULK ASBESTOS SAMPLE ANALYSIS SUMMARY

CLIENT: Three Rivers Environmental      DATE OF RECEIPT: 22 JAN 1997  
P.O. Box 216      DATE OF ANALYSIS: 22 JAN 1997  
Gladstone, OR 997027      DATE OF REPORT: 22 JAN 1997

EHS PROJECT #: 01-97-1725      PROJECT: 1420-02

EHS SAMPLE#	CLIENT SAMPLE #/ LAB. GROSS DESCRIPTION	% ASBESTOS	OTHER MATERIALS
-------------	--	------------	-----------------

01	APT-01/ Gray/White Brittle	NAD	8% Cellulose 92% Non-Fibrous
02	APT-02/ Gray/White Brittle	NAD	5% Cellulose 95% Non-Fibrous
03	APT-03/ Gray/White Brittle	NAD	7% Cellulose 93% Non-Fibrous
04	APT-04/ White Brittle	NAD	100% Non-Fibrous
05	APT-05/ White Brittle	NAD	1% Cellulose 99% Non-Fibrous
06	APT-06/ White Brittle	NAD	100% Non-Fibrous
07	APT-07/ White Brittle	NAD	2% Cellulose 98% Non-Fibrous
08	APT-08/ White Brittle	NAD	2% Cellulose 98% Non-Fibrous
09	APT-09/ White Brittle	NAD	2% Cellulose 98% Non-Fibrous
10	APT-10/ Off-White Gran.	NAD	17% Cellulose 83% Non-Fibrous
11	APT-11/ Off-White Gran.	NAD	16% Cellulose 84% Non-Fibrous
12	APT-12/ Off-White Gran.	NAD	18% Cellulose 82% Non-Fibrous
13	APT-13/ Beige Fib.-Backed	NAD	48% Cellulose 52% Non-Fibrous

**ENVIRONMENTAL HAZARDS SERVICES, INC**

EHS PROJECT #: 01-97-1725 PROJECT: 1420-02

14	APT-14/ Beige Fib.-Backed	NAD	48% Cellulose 52% Non-Fibrous
15	APT-15/ Beige Fib.-Backed	NAD	48% Cellulose 52% Non-Fibrous
16	APT-16/ Off-White Fib.-Backed	NAD	30% Cellulose 4% Fibrous Glass 66% Non-Fibrous
17	APT-17/ Off-White Fib.-Backed	NAD	28% Cellulose 4% Fibrous Glass 68% Non-Fibrous
18	APT-18/ Off-White Fib.-Backed	NAD	27% Cellulose 5% Fibrous Glass 68% Non-Fibrous
19	APT-19/ Off-White Fib.-Backed	NAD	28% Cellulose 5% Fibrous Glass 67% Non-Fibrous
20	APT-20/ Off-White Fib.-Backed	NAD	30% Cellulose 5% Fibrous Glass 65% Non-Fibrous
21	APT-21/ Off-White Fib.-Backed	NAD	28% Cellulose 5% Fibrous Glass 67% Non-Fibrous
22	APT-22/ Off-White Fib.-Backed	NAD	20% Cellulose 4% Fibrous Glass 8% Synthetic 68% Non-Fibrous
23	APT-23/ Off-White Fib.-Backed	NAD	22% Cellulose 4% Fibrous Glass 6% Synthetic 68% Non-Fibrous
24	APT-24/ Off-White Fib.-Backed	NAD	20% Cellulose 3% Fibrous Glass 7% Synthetic 70% Non-Fibrous
25	APT-25/ Tan/Gray Fib.-Backed	NAD	42% Cellulose 7% Hair 51% Non-Fibrous

# ENVIRONMENTAL HAZARDS SERVICES, INC

EHS PROJECT #: 01-97-1725 PROJECT: 1420-02

26	APT-26/ Tan/Gray Fib.-Backed	NAD	40% Cellulose 8% Hair 52% Non-Fibrous
27	APT-27/ Tan/Gray Fib.-Backed	NAD	42% Cellulose 8% Hair 50% Non-Fibrous
28	APT-28/ Gray Fib.	NAD	60% Cellulose 25% Hair 15% Non-Fibrous
29	APT-29/ Gray Fib.	NAD	60% Cellulose 25% Hair 15% Non-Fibrous
30	APT-30/ Gray Fib.	NAD	65% Cellulose 20% Hair 15% Non-Fibrous
31	APT-31/ Off-White Fib.-Backed	NAD	25% Cellulose 8% Fibrous Glass 67% Non-Fibrous
32	APT-32/ Off-White Fib.-Backed	NAD	27% Cellulose 5% Fibrous Glass 68% Non-Fibrous
33	APT-33/ Off-White Fib.-Backed	NAD	28% Cellulose 5% Fibrous Glass 67% Non-Fibrous
34	APT-34/ Brown Fib.-Backed	NAD	45% Cellulose 15% Hair 40% Non-Fibrous
35	APT-35/ Brown Fib.-Backed	NAD	45% Cellulose 15% Hair 40% Non-Fibrous
36	APT-36/ Brown Fib.-Backed	NAD	45% Cellulose 15% Hair 40% Non-Fibrous
37	APT-37/ Gray/Yellow Cement.	NAD	1% Cellulose 99% Non-Fibrous
38	APT-38/ Gray/Yellow Cement.	NAD	1% Cellulose 99% Non-Fibrous
39	APT-39/ Gray/Yellow Cement.	NAD	1% Cellulose 99% Non-Fibrous



# ENVIRONMENTAL HAZARDS SERVICES, INC

EHS PROJECT #: 01-97-1725 PROJECT: 1420-02

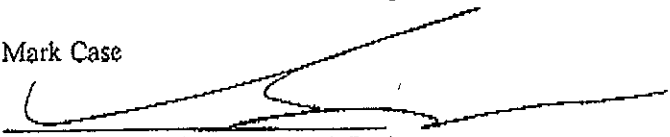
40	APT-40/ Black Tar-Like	NAD	5% Cellulose 10% Synthetic 85% Non-Fibrous
41	APT-41/ Black Tar-Like	NAD	5% Cellulose 10% Synthetic 85% Non-Fibrous
42	APT-42/ Black Tar-Like	NAD	6% Cellulose 10% Synthetic 84% Non-Fibrous

Method: Polarized Light Microscopy, EPA Method 600/R-93/116

Standards: The current OSHA Standard is one percent (1%) by weight.

Analyst: Mark Case

Reviewed by:

  
*L. Miller-Buie, Environmental Geologist*

NVLAP ACCREDITATION #1882

NOTE: Results represent the analysis by Environmental Hazards Services, Inc., of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, Inc.

Environmental Hazards Services, Inc. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy ((TEM), for enhanced detection capabilities) for materials regulated by the EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

NAD = No Asbestos Detected

SCF = Suspected Ceramic Fibers

newrep.wps/13DEC98/mdi

-- PAGE 04 of 04 -- END OF REPORT --

# ENVIRONMENTAL HAZARDS SERVICES, INC

7469 White Pine Road  
Richmond, Virginia 23237  
Phone: (804) 275-4788 Fax: (804) 275-4907

## BULK ASBESTOS SAMPLE ANALYSIS SUMMARY

CLIENT: Three Rivers Environmental      DATE OF RECEIPT: 22 JAN 1997  
P.O. Box 216      DATE OF ANALYSIS: 22 JAN 1997  
Gladstone, OR 97027      DATE OF REPORT: 22 JAN 1997

EHS PROJECT #: 01-97-1724      PROJECT: 1420-02 557 Court St. N.E.

EHS SAMPLE#	CLIENT SAMPLE #/ LAB. GROSS DESCRIPTION	% ASBESTOS	OTHER MATERIALS
01	LR-01/ Tan Org. Bd.	NAD	100% Non-Fibrous
02	LR-02/ Tan Org. Bd.	NAD	100% Non-Fibrous
03	LR-03/ Tan Org. Bd.	NAD	100% Non-Fibrous
04	LR-04/ Black Org. Bd.	10% Chrysotile 10% Total Asbestos	90% Non-Fibrous
05	LR-05/	DID NOT ANALYZE	
06	LR-06/	DID NOT ANALYZE	
07	LR-07/ Green Org. Bd.	20% Chrysotile 20% Total Asbestos	80% Non-Fibrous
08	LR-08/	DID NOT ANALYZE	
09	LR-09/	DID NOT ANALYZE	
10	LR-10/ Black Org. Bd.	15% Chrysotile 15% Total Asbestos	85% Non-Fibrous
11	LR-11/	DID NOT ANALYZE	
12	LR-12/	DID NOT ANALYZE	
13	LR-13/ White Cement.	NAD	2% Cellulose 98% Non-Fibrous
14	LR-14/ White Cement.	NAD	2% Cellulose 98% Non-Fibrous
15	LR-15/ White Cement.	NAD	3% Cellulose 97% Non-Fibrous

**ENVIRONMENTAL HAZARDS SERVICES, INC**

EHS PROJECT #: 01-97-1724 PROJECT: 1420-02 557 Court St. N.E.

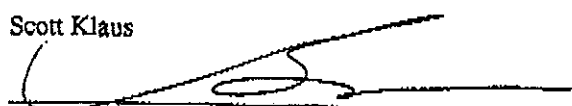
16	LR-16/ White Cement.	2% Chrysotile 2% Total Asbestos	10% Cellulose 88% Non-Fibrous
17	LR-17/	DID NOT ANALYZE	
18	LR-18/	DID NOT ANALYZE	
19	LR-19/ Tan Fib.	2% Chrysotile 2% Total Asbestos	93% Fibrous Glass 5% Non-Fibrous
20	LR-20/	DID NOT ANALYZE	
21	LR-21/	DID NOT ANALYZE	
22	LR-22/ Brown Org. Bd.	3% Tremolite 3% Total Asbestos	97% Non-Fibrous
23	LR-23/	DID NOT ANALYZE	
24	LR-24/	DID NOT ANALYZE	
25	LR-25/ Tan Cement.	NAD	100% Non-Fibrous
26	LR-26/ Tan Cement.	NAD	100% Non-Fibrous
27	LR-27/ Tan Cement.	NAD	100% Non-Fibrous
28	LR-28/ Brown Org. Bd.	NAD	100% Non-Fibrous
29	LR-29/ Brown Org. Bd.	NAD	100% Non-Fibrous
30	LR-30/ Brown Org. Bd.	NAD	100% Non-Fibrous

Method: Polarized Light Microscopy, EPA Method 600/R-93/116

Standards: The current OSHA Standard is one percent (1%) by weight.

Analyst: Scott Klaus

Reviewed by:

  
*L. Miller-Buie, Environmental Geologist*

NVLAP ACCREDITATION #1882

# ENVIRONMENTAL HAZARDS SERVICES, INC

EHS PROJECT #: 01-97-1724 PROJECT: 1420-02 557 Court St. N.E.

NOTE: Results represent the analysis by Environmental Hazards Services, Inc., of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, Inc.

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NAD = No Asbestos Detected

SCF = Suspected Ceramic Fibers

newrep.wps/13DEC96/1/D

- PAGE 03 of 03 -- END OF REPORT -

# ENVIRONMENTAL HAZARDS SERVICES, INC

7469 White Pine Road  
Richmond, Virginia 23237  
Phone: (804) 275-4788 Fax: (804) 275-4907

## BULK ASBESTOS SAMPLE ANALYSIS SUMMARY

CLIENT: Three Rivers Environmental  
P.O. Box 216  
Gladstone, OR 97027

DATE OF RECEIPT: 22 JAN 1997  
DATE OF ANALYSIS: 22 JAN 1997  
DATE OF REPORT: 22 JAN 1997

EHS PROJECT #: 01-97-1723 PROJECT: 1420-02

EHS SAMPLE#	CLIENT SAMPLE #/ LAB. GROSS DESCRIPTION	% ASBESTOS	OTHER MATERIALS
01	WN-01/ Tan Org. Bd.	10% Chrysotile 10% Total Asbestos	90% Non-Fibrous
02	WN-02/	DID NOT ANALYZE	
03	WN-03/	DID NOT ANALYZE	
04	WN-04/ Black Org. Bd.	NAD	2% Cellulose 98% Non-Fibrous
05	WN-05/ Black Org. Bd.	NAD	2% Cellulose 98% Non-Fibrous
06	WN-06/ Black Org. Bd.	NAD	2% Cellulose 98% Non-Fibrous
07	WN-07/ Red Org. Bd.	NAD	20% Cellulose 80% Non-Fibrous
08	WN-08/ Red Org. Bd.	NAD	20% Cellulose 80% Non-Fibrous
09	WN-09/ Red Org. Bd.	NAD	20% Cellulose 80% Non-Fibrous
10	WN-10/ White Org. Bd.	NAD	100% Non-Fibrous
11	WN-11/ White Org. Bd.	NAD	100% Non-Fibrous
12	WN-12/ White Org. Bd.	NAD	100% Non-Fibrous
13	WN-13/ White Cement.	NAD	10% Cellulose 90% Non-Fibrous
14	WN-14/ White Cement.	NAD	5% Cellulose 95% Non-Fibrous

# ENVIRONMENTAL HAZARDS SERVICES, INC

EHS PROJECT #: 01-97-1723 PROJECT: 1420-02

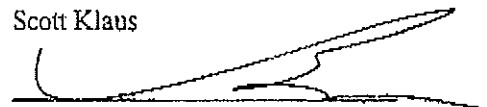
15	WN-15/ White Cement.	NAD	5% Cellulose 95% Non-Fibrous
16	WN-16/ White Cement.	NAD	5% Cellulose 95% Non-Fibrous
17	WN-17/ White Cement.	NAD	5% Cellulose 95% Non-Fibrous
18	WN-18/ White Cement.	NAD	5% Cellulose 95% Non-Fibrous

Method: Polarized Light Microscopy, EPA Method 600/R-93/116

Standards: The current OSHA Standard is one percent (1%) by weight.

Analyst: Scott Klaus

Reviewed by:

  
*L. Miller-Buie, Environmental Geologist*

NVLAP ACCREDITATION #1882

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NAD = No Asbestos Detected

SCF = Suspected Ceramic Fibers

newrep.wp2/13DEC96/11D

-- PAGE 02 of 02 -- END OF REPORT --

A.H.E.R.A.

THIS IS TO CERTIFY THAT

**JEFF SMITH**

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE  
for  
ASBESTOS INSPECTOR/MANAGEMENT PLANNER  
REFRESHER

Course date: 09/19/96  
Course location: Seattle, Washington  
Certificate: RE-96-7811  
Social Security #: 543-92-7811



Expiration Date: 09/19/97

AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)

For verification of the authenticity of this certificate contact: PBS Environmental  
1220 SW Morrison, Portland, OR 97205  
(503) 248-1939

This refresher course certificate is given in conjunction with the original course certificate.

A.H.E.R.A.

THIS IS TO CERTIFY THAT

**JEFF SMITH**

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE  
for  
ASBESTOS INSPECTOR/MANAGEMENT PLANNER  
**REFRESHER**

Course date: 09/21/95  
Course location: Seattle, Washington  
Certificate: PDR-95-7811  
Social Security #: 543-92-7811

Expiration Date: 09/21/96

AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)



For verification of the authenticity of this certificate contact: PBS Environmental  
1220 SW Morrison, Portland, OR . 97205  
(503) 248-1939

This refresher course certificate is given in conjunction with the original course certificate.

*David Stone*



**A.H.E.R.A.**

THIS IS TO CERTIFY THAT

**JEFF SMITH**

HAS ATTENDED

**AHERA INSPECTOR/MANAGEMENT PLANNER  
REFRESHER**

TRAINING COURSE

Expiration date: 09/22/95

Course date: 09/22/94

Course location: Kent, Washington

Certificate: RF-94-7811

Social Security #: 543-92-7811

AHERA is the Asbestos Hazard  
Emergency Response Act enacting  
Title II of Toxic Substance  
Control Act (TSCA)



**ENVIRONMENTAL  
BUILDING CONSULTANTS, INC**

For verification of the authenticity of this  
certificate contact: PBS Environmental  
1220 S.W. Morrison, Portland, OR 97205  
(503) 248-1939

**A.H.E.R.A.**

THIS IS TO CERTIFY THAT

**JEFF SMITH**

HAS ATTENDED

**INSPECTOR/MANAGEMENT PLANNER  
REFRESHER**

TRAINING COURSE

Expiration date: 09/23/94

Course date: 09/23/93

Course location: Seattle, Washington

Certificate: RF-93-7811

Social Security #: 543-92-7811

AHERA is the Asbestos Hazard  
Emergency Response Act enacting  
Title II of Toxic Substance  
Control Act (TSCA)



**ENVIRONMENTAL  
BUILDING CONSULTANTS, INC**

For verification of the authenticity of this  
certificate contact: PBS Environmental  
1220 S.W. Morrison, Portland, OR 97205  
(503) 248-1939

**A.H.E.R.A.**

THIS IS TO CERTIFY THAT

**JEFF SMITH**

HAS ATTENDED

**ASBESTOS  
INSPECTOR/MANAGEMENT PLANNER  
REFRESHER  
TRAINING COURSE**

Expiration date: 9/25/93

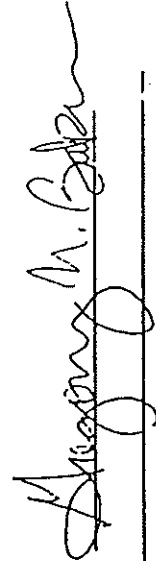
Course date: 9/25/92

Course location: Seattle, WA

Certificate: RF-92-7811

Social Security #: 543-92-7811

This refresher course certificate  
is given in conjunction with the  
original course certificate.



**PBS**

ENVIRONMENTAL  
BUILDING  
CONSULTANTS  
INC.  
PORTLAND, OREGON

**A.H.E.R.A.**

THIS IS TO CERTIFY THAT

**JEFF SMITH**

HAS ATTENDED

**ASBESTOS  
INSPECTOR/MANAGEMENT PLANNER  
REFRESHER  
TRAINING COURSE**

Expiration date: 9/23/92

Course date: 9/23/91

Course location: Seattle, WA

Certificate: RF-91-7811

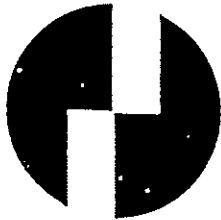
Social Security #: 543-92-7811

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**PBS**

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INC.  
PORTLAND, OREGON



**Hall-Kimbrell**  
Environmental Services, Inc.

---

*Asbestos Management Planner*  
*Initial Training Course*

---

**Jeff Smith**

543-92-7811

has successfully completed the EPA-Approved Asbestos Management Planner Initial Training Course for purposes of accreditation required under section 206 of Title II of the Toxic Substances Control Act (TSCA). Conducted by Hall-Kimbrell Environmental Services, Inc.  
4840 W. 15th Street, Lawrence, KS 66049, 800-346-2860/913-841-8034.

---

Location *Portland, Oregon*

Examination *September 21, 1990*

Course *September 20 - September 21, 1990*

Expiration *September 21, 1991*

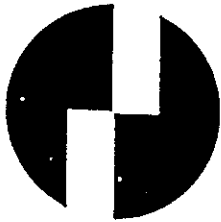
---

Director of Training

*Alvin Skatt*

Certificate Number *7HKP00798*

---



**Hall-Kimbrell**  
Environmental Services, Inc.

---

## *Asbestos Inspector*

*Initial Training Course*

---

**Jeff Smith**

543-92-7811

has successfully completed the EPA-Approved Asbestos Inspector Initial Training Course for purposes of accreditation required under section 206 of Title II of the Toxic Substances Control Act (TSCA). Conducted by Hall-Kimbrell Environmental Services, Inc. 4840 W. 15th Street, Lawrence, KS 66049, 800-346-2860/913-841-8034.

---

Location *Portland, Oregon*

Examination *September 19, 1990*

Course *September 17 - September 19, 1990*

Expiration *September 19, 1991*

---

Director of Training

*Alvin D. East*  
Certificate Number *7HK101066*

---

A.H.E.R.A.

THIS IS TO CERTIFY THAT

**DARREN D. LEE**

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE  
for  
ASBESTOS INSPECTOR/MANAGEMENT PLANNER  
**REFRESHER**

Course date: 09/19/96

Course location: Seattle, Washington

Certificate: RF-96-7523

Social Security #: 535-86-7523

Expiration Date: 09/19/97

AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)



For verification of the authenticity of this certificate contact: PBS Environmental  
1220 SW Morrison, Portland, OR 97205  
(503) 248-1939

This refresher course certificate is given in conjunction with the original course certificate.

A handwritten signature in cursive script that reads "David Stover".

A.H.E.R.A.

THIS IS TO CERTIFY THAT

DARREN LEE

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE AND EXAM  
for  
ASBESTOS INSPECTOR/MANAGEMENT PLANNER

Course date: 09/25-29/95  
Course location: Portland, Oregon  
Certificate: PD-95-7523  
Social Security #: 525-66-7523

Expiration Date: 09/29/96

AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)



For verification of the authenticity of this certificate contact: PBS Environmental  
1220 SW Morrison, Portland, OR 97205  
(503) 248-1939

*David L. Stover*



# **APPENDIX 2**

## **RESULTS - LEAD BASED PAINT**

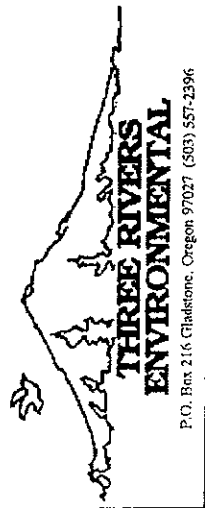
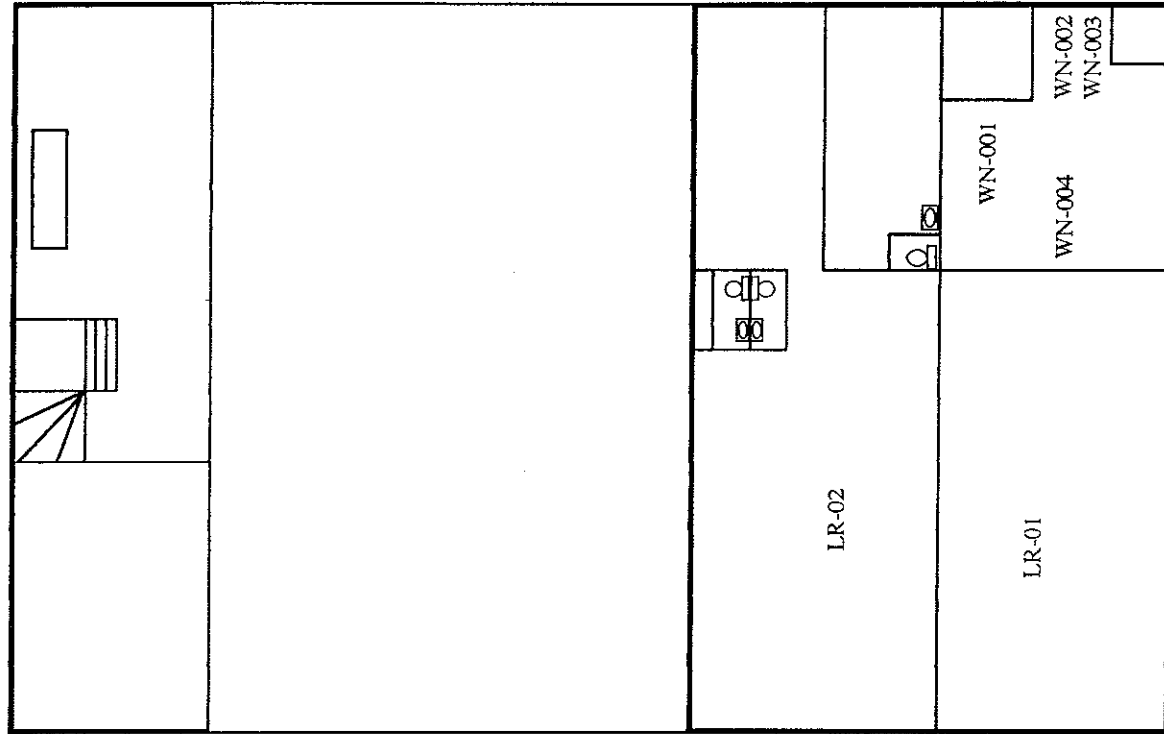
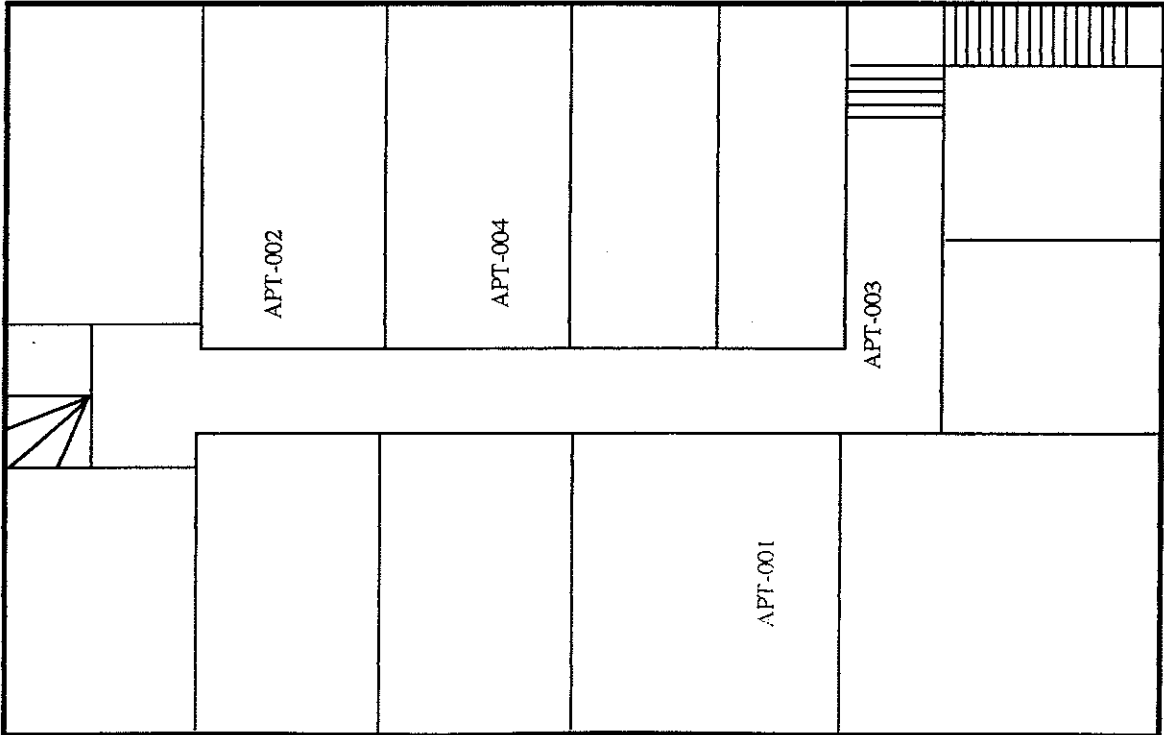
## Lead Paint Sample Inventory Sheet

Sample #	Material Description	Sample Location	Sample Type	Photo #	Lead %
APT-001	Paint layered	Room #4 Apartments	Chip	1	0.102%
APT-002	Paint layered	Room #9 Apartments	Chip	2	0.249%
APT-003	Paint layered	Hallway Apartments	Chip	N/A	<0.038%
APT-004	Paint layered	Room #10 Apartments	Chip	N/A	0.230%
APT-005	Paint layered	Exterior of Bldg.	Chip	3	1.68%
LR-01	Paint beige	S. section of Liquor Store	Chip	4	0.504%
LR-02	Paint yellow green & beige	N. section of Liquor Store	Chip	5	0.236%
WN-001	Paint white	Throughout Wine Shop	Chip	6	<0.014%
WN-002	Paint Yellow	Trim	Chip	7	<0.046%
WN-003	Paint green	QUANTITY INSUFFICIENT FOR ANALYSIS			
WN-004	Paint orange	Shelves	Chip	9-10	<0.055%

Federal Lead Standards: Lead Paint: 1.0 mg/cm<sup>2</sup> or 5,000ug/g (0.5% by weight)

Dust Levels for Lead Hazard Screen (wipe samples): 50ug/ft<sup>2</sup>

Referring to the U.S. Department of Housing and Urban Development (HUD) guidelines, Title X of the Housing and Community Development Act of 1992.



**LEAD SAMPLE LOCATIONS  
DIAGRAM**

(Drawing Not to Scale)

**Asbestos Survey Report  
LIU BUILDING**  
Court Street NE Salem, Oregon 97301  
Project #: 1420-02

DATE:	1/97
DRWN BY:	JLS
DGRM #:	02

Picture No. 1



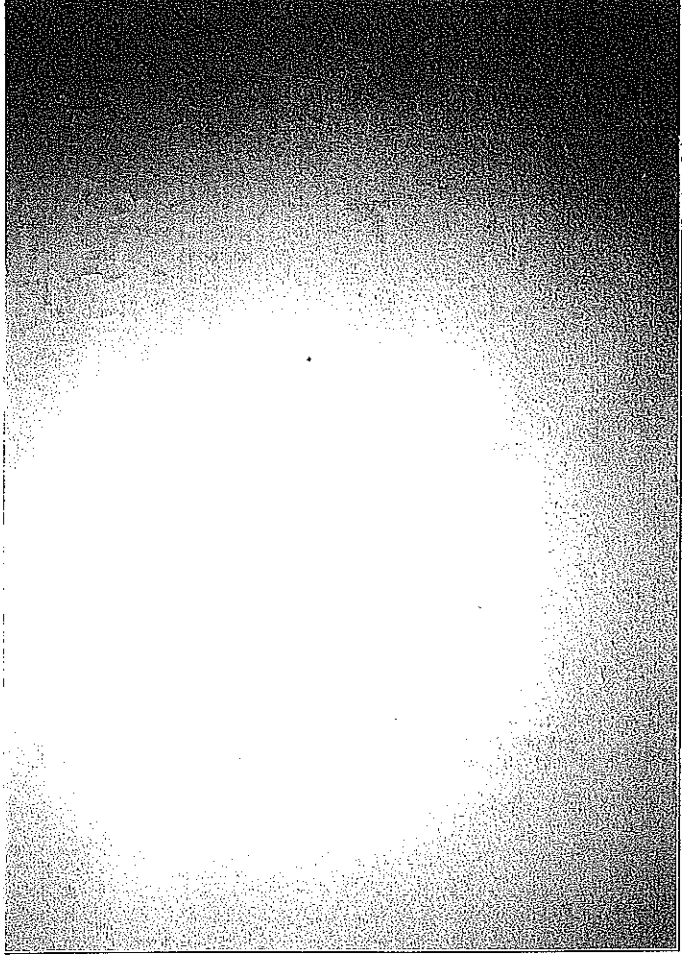
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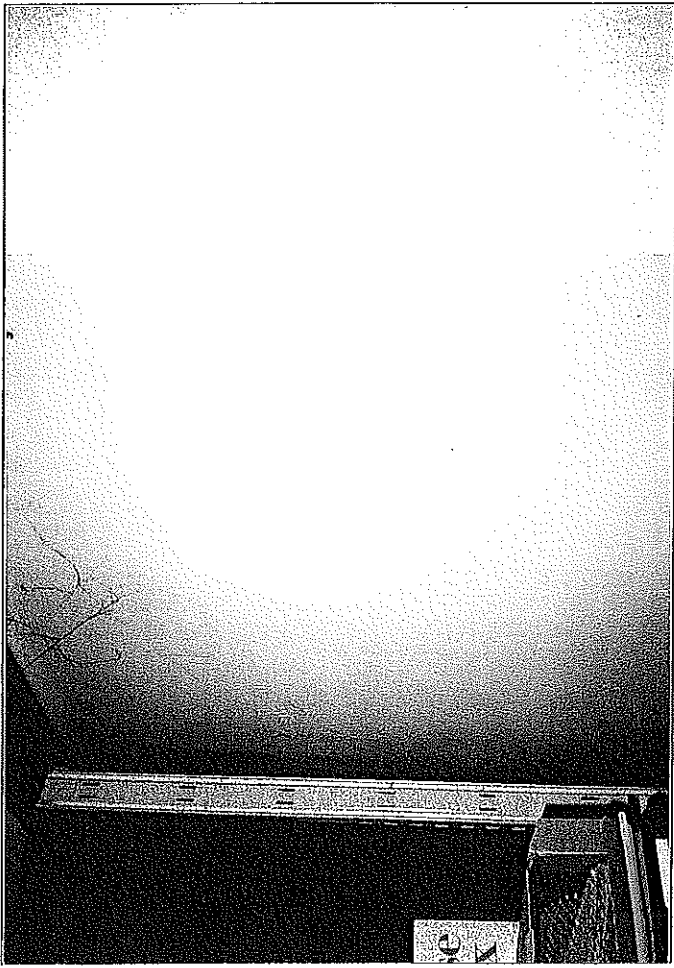
Picture No. 3



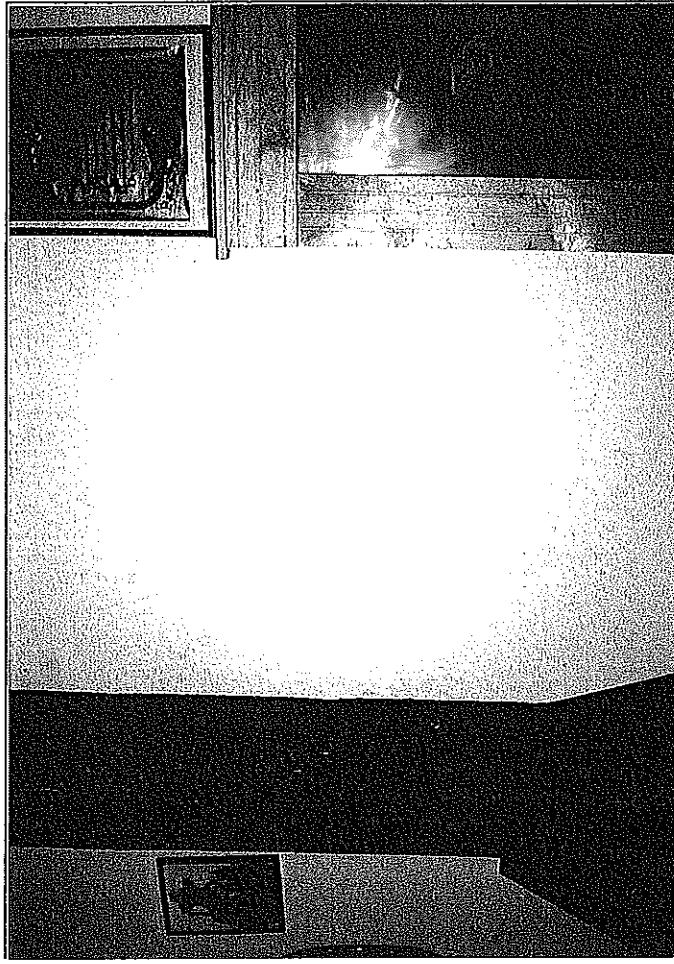
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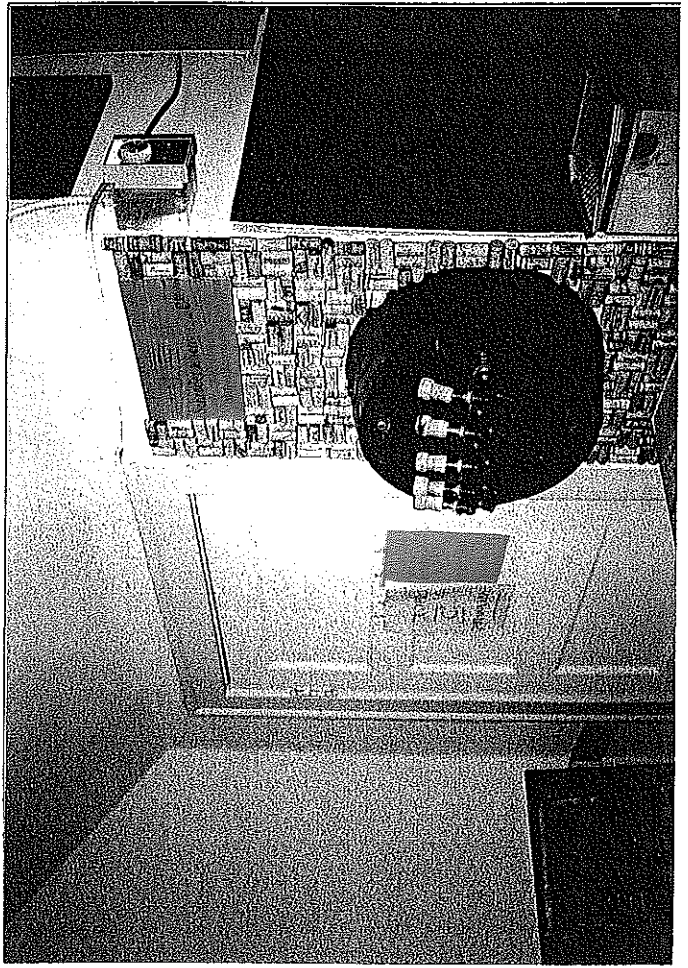
Picture No. 5



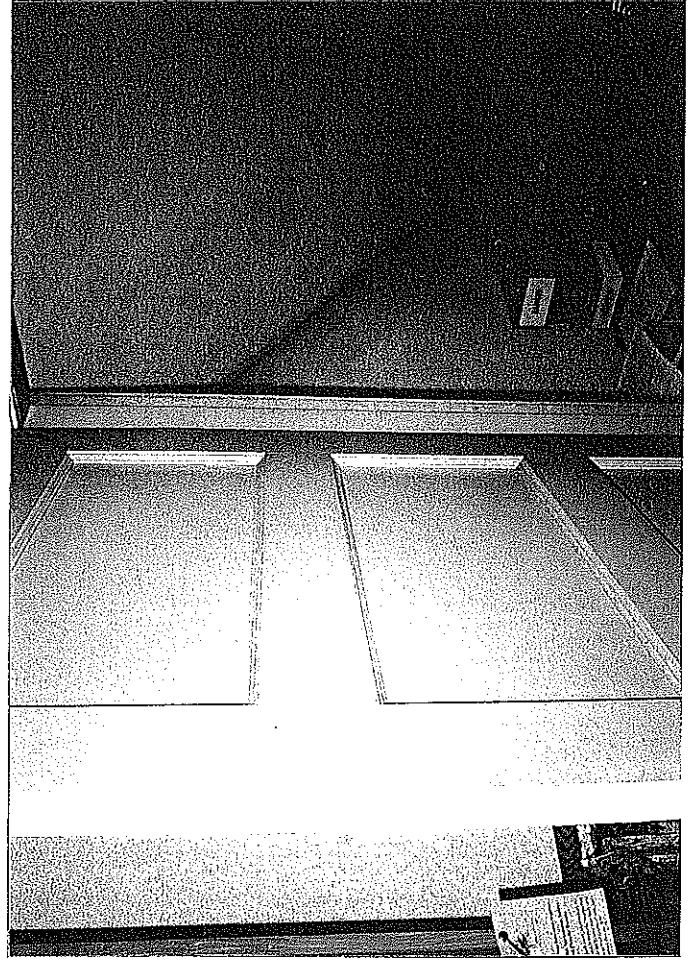
Picture No. 6



Picture No. 7



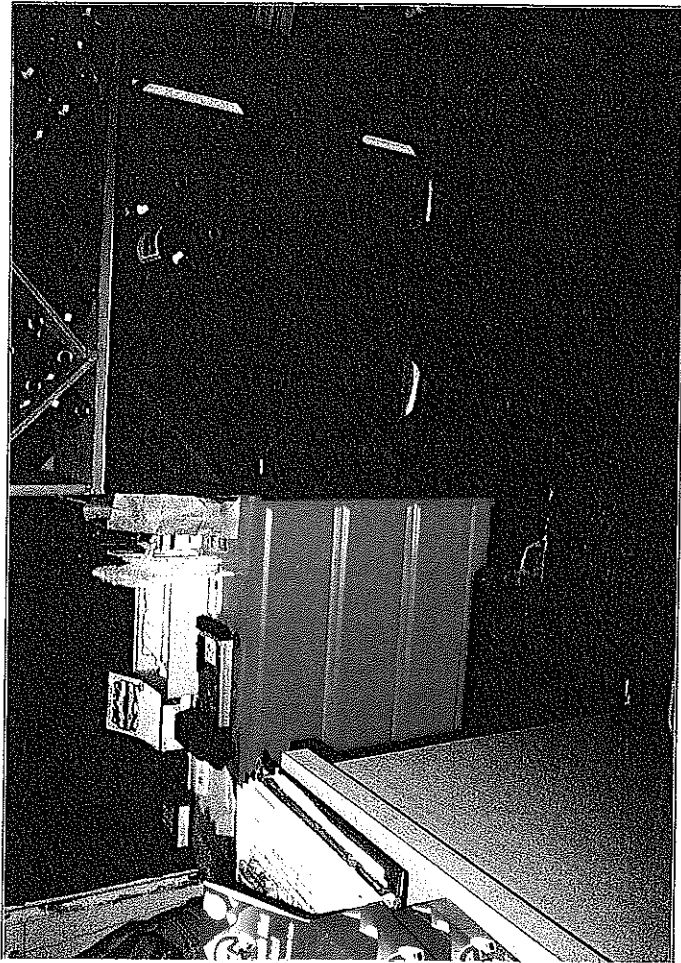
Picture No. 8



Picture No. 9



Picture No. 10



**ENVIRONMENTAL HAZARDS SERVICES, INC.**

7469 WHITE PINE ROAD - RICHMOND, VA 23237

804-275-4788 FAX 804-275-4907

LEAD IN PAINT ANALYSIS SUMMARY

CLIENT: Three Rivers Environmental      DATE OF RECEIPT: 22 JAN 1997  
P.O. Box 216      DATE OF ANALYSIS: 22 JAN 1997  
Gladstone, OR 97027      DATE OF REPORT: 22 JAN 1997

EHS PROJECT #: 01-97-1707      PROJECT: 1420-02

SAMPLE DATE: 17 JAN 1997

<u>EHS SAMPLE#</u>	<u>CLIENT SAMPLE #</u>	<u>TOTAL LEAD (ug)</u>	<u>CONCENTRATION (%)</u>
01	APT-001	127	0.102
02	APT-002	316	0.249
03	APT-003	<50.0	<0.038
04	APT-004	414	0.230
05	APT-005	4500	1.68

Method: NIOSH 7082M

Analyst: Jay Armstrong

Reviewed by:   
L. Miller-Buie, Environmental Geologist

ELLAP/NLLAP (A2LA CERT #716.01)

NY ELAP LAB ID #11579

NOTE: Reporting Limit      50.0 ug

Results represent the analysis by Environmental Hazards Services, Inc., of samples submitted by the client. Sample location, description, area, volume etc., was provided by the client. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, Inc.

Sample results denoted with a "less than" (<) sign contain less than 50.0 ug total lead, based on a 100 ml sample volume.  
pa1npb01.do1/17JAN1997/1/D

**ENVIRONMENTAL HAZARDS SERVICES, INC.**

7469 WHITE PINE ROAD - RICHMOND, VA 23237  
804-275-4788 FAX 804-275-4907

LEAD IN PAINT ANALYSIS SUMMARY

CLIENT: Three Rivers Environmental      DATE OF RECEIPT: 22 JAN 1997  
P.O. Box 216      DATE OF ANALYSIS: 22 JAN 1997  
Gladstone, OR 97027      DATE OF REPORT: 22 JAN 1997

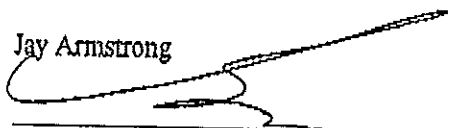
EHS PROJECT #: 01-97-1709      PROJECT: 1420-02

SAMPLE DATE: 17 JAN 1997

<u>EHS SAMPLE#</u>	<u>CLIENT SAMPLE #</u>	<u>TOTAL LEAD (ug)</u>	<u>CONCENTRATION (%)</u>
01	LR-01	913	0.504
02	LR-02	323	0.236

Method: NIOSH 7082M

Analyst: Jay Armstrong

Reviewed by:   
L. Miller-Butte, Environmental Geologist

ELLAP/NLLAP (A2LA CERT #716.01)

NY ELAP LAB ID #11579

NOTE: Reporting Limit      50.0 ug

Results represent the analysis by Environmental Hazards Services, Inc., of samples submitted by the client. Sample location, description, area, volume etc., was provided by the client. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, Inc.

Sample results denoted with a "less than" (<) sign contain less than 50.0 ug total lead, based on a 100 ml sample volume.  
psainpb01.doc\171JAN1997\11D



**ENVIRONMENTAL HAZARDS SERVICES, INC.**

7469 WHITE PINE ROAD - RICHMOND, VA 23237  
804-275-4788 FAX 804-275-4907

**LEAD IN PAINT ANALYSIS SUMMARY**

CLIENT: Three Rivers Environmental      DATE OF RECEIPT: 22 JAN 1997  
P.O. Box 216      DATE OF ANALYSIS: 22 JAN 1997  
Gladstone, OR 97027      DATE OF REPORT: 22 JAN 1997

EHS PROJECT #: 01-97-1708      PROJECT: 1420-02

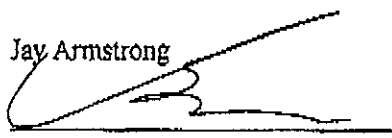
SAMPLE DATE: 17 JAN 1997

<u>EHS SAMPLE#</u>	<u>CLIENT SAMPLE #</u>	<u>TOTAL LEAD (ug)</u>	<u>CONCENTRATION (%)</u>
01	WN-001	<50.0	<0.014
02	WN-002	<50.0	<0.046
03	WN-003	QUANTITY INSUFFICIENT FOR ANALYSIS	
04	WN-004	<50.0	<0.055*

\*Insufficient sample volume (<100mg) for proper analysis as outlined in NIOSH 7082.

Method: NIOSH 7082M

Analyst: Jay Armstrong

Reviewed by:   
L. Miller-Buie, Environmental Geologist

ELLAP/NLLAP (A2LA CERT #716.01)

NY ELAP LAB ID #11579

NOTE: Reporting Limit      50.0 ug

Results represent the analysis by Environmental Hazards Services, Inc., of samples submitted by the client. Sample location, description, area, volume etc., was provided by the client. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, Inc.

Sample results denoted with a "less than" (<) sign contain less than 50.0 ug total lead, based on a 100 ml sample volume.

paipb01.doc/17JAN1997/11D

# Oregon State University

## Western Regional Lead Training Center

in recognition that

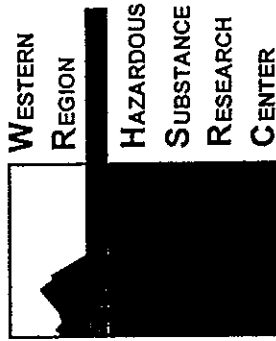
*Jeffrey Smith*

has completed  
EPA-Sponsored

### Lead Inspector Training

24 training hours

November 18-20, 1996



*Peter O. Nelson*

Peter O. Nelson, PhD.  
Program Director

Passed Final Exam  
Certificate Number: 566

# Oregon State University

## Western Regional Lead Training Center

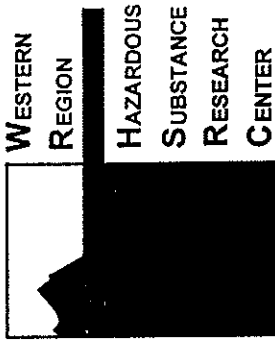
in recognition that

*Jeffrey Smith*

has completed  
EPA-Sponsored

### Lead-based Paint Risk Assessment Training

16 training hours  
November 21-22, 1996



*Peter O. Nelson*

Peter O. Nelson, PhD.  
Program Director

Passed Final Exam  
Certificate Number: 591

# Oregon State University

## Western Regional Lead Training Center

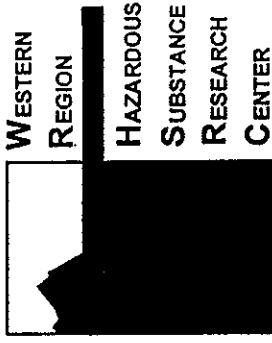
in recognition that

*Darren Lee*

has completed  
EPA-Sponsored

### Lead Inspector Training

24 training hours  
November 18-20, 1996



*Peter O. Nelson*

Peter O. Nelson, PhD.  
Program Director

Passed Final Exam  
Certificate Number: 555

# Oregon State University

## Western Regional Lead Training Center

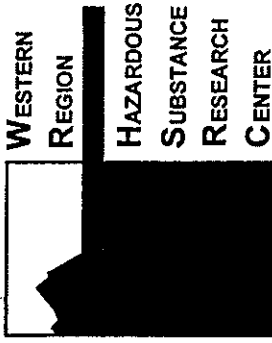
in recognition that

*Darren Lee*

has completed  
EPA-Sponsored

### Lead-based Paint Risk Assessment Training

16 training hours  
November 21-22, 1996



*Peter O. Nelson*

Peter O. Nelson, PhD.  
Program Director

Passed Final Exam  
Certificate Number: 583

# **APPENDIX 3**

## **RESULTS - HAZARDOUS MATERIALS**



February 10, 1997

Ms Kathleen Thorpe  
Century West Engineering  
1593 Clay St. NE  
Salem, OR 97301

Dear Kathleen:

The purpose of this survey is to assess and document the fluorescent lightballasts and other hazardous materials present in the Lui and Goodman Buildings. The survey was made during the time period of January 28 - February 3, 1997. The majority of the space in the buildings on this property is currently being occupied.

The survey has been broken down into the various section of these buildings. In many cases, a single location has several identical fixtures. In these cases only one fixture was sampled, thus reducing the amount of time spent on this survey, the disruption to tenants, and the possible damage to fixtures. Each fixture that appeared to be different was individually checked.

The Goodman Building is a one story dental office. A functioning dental laboratory occupies a portion of the property, containing chemicals and resins.

The Lui Building is a two story building containing a Wine shop, Liquor Store, and an small apartment complex. Please see the following chart showing breakdown of materials found per section.

Please feel free to contact myself or Rich Janeczek, if you have any further questions, at (503) 283-1150. Thank you for the opportunity to work with you, once again.

Environmentally yours,

A handwritten signature in black ink, appearing to read "Bob Asmussen".

Bob Asmussen  
Foss Environmental Services

LIL BUILDING

	FIXTURES	PCB +	PCB -	BULBS	REFRIGERATOR	A/C	PAINT RELATED MATERIALS	CEMISTIC CLEANERS
APARTMENTS	2	0	3	3	12	17	2	1
WINE SHOP	5	0	9	20	0	0	8	3
LIQUOR STORE	35	0	70	136	0	3	0	0

GOODMAN BUILDING

	FIXTURES	PCB +	PCB -	BULBS	REFRIGERATOR	A/C	PAINT RELATED MATERIALS	CEMISTIC CLEANERS
MAIN FLOOR	37	25	42	125	2	2	0	0