

# ASBESTOS, LEAD PAINT, AND PCB CAULK SURVEY REPORT

**Vacant Building  
24 Church Street  
Lyons, New York**

Prepared For:

Montrose Environmental  
100 South Clinton Avenue, Suite 2330  
Rochester, New York

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January 2025

Project No. 50514-08





# ASBESTOS, LEAD PAINT, AND PCB CAULK SURVEY REPORT

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24 Church Street  
Lyons, New York

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## 1.0 INTRODUCTION AND PROJECT OVERVIEW

Lu Engineers was retained by Montrose Environmental to provide an asbestos, lead paint, and PCB caulk survey of the vacant building located at 24 Church Street, in Lyons, New York. This survey was performed in anticipation of upcoming renovations to the building.

The asbestos, lead paint, and PCB caulk survey were conducted on November 13, 2024. The intent of this survey was to determine the presence and quantity of asbestos containing materials (ACMs), lead-based paint, and PCB containing caulk. The asbestos survey was conducted in accordance with New York State Department of Labor (NYSDOL) Industrial Code Rule (ICR) 56 by certified inspectors from Lu Engineers. A copy of Lu Engineers' license and inspectors' certifications can be found in Attachment A.

### 1.1 Records Review

The following reports were reviewed as part of this survey and pertinent results were incorporated:

- *Wayne County Demolition Project, prepared by Lu Engineers, P.C., dated November 2015.* This report identified the following materials as asbestos containing:
  - *Silver Roof Coating*
  - *Black Built-Up Roofing*
  - *Silver Coating*
  - *Black Tar Paper*
  - *Black Tar Curb Flashing*
  - *Black Parapet Flashing*
  - *White Window Glazing*

## 2.0 SITE INSPECTION

### 2.1 Asbestos

One of the purposes of the visual inspection was to identify homogeneous areas of suspect asbestos containing materials that exist throughout the area of inspection, as defined in the scope of work. The Asbestos Hazard Emergency Response Act (AHERA) regulations define a homogeneous area as, "... an area of surfacing material, thermal insulation material, or miscellaneous material that is uniform in color and texture." Furthermore, homogeneous areas should consist of the same age and application.



The inspectors identified homogeneous areas that were present within the building. The suspect asbestos materials were given a homogeneous identification number based on color and texture of the material. A list of homogeneous area numbers of the materials encountered is included with the Asbestos Result Table in Section 3.1.

Occupational Safety and Health Administration (OSHA) and 40 CFR 763 Subpart E – Asbestos Hazard Emergency Response Act (AHERA) bulk sampling protocols were followed.

- Three (3) samples of a homogenous surfacing material in quantities of 1,000 Square Feet (SF) or less were collected.
- Five (5) samples of a homogenous surfacing material in quantities greater than 1,000 SF but less than 5,000 SF were collected.
- Seven (7) samples of a homogenous surfacing material in quantities greater than 5,000 SF were collected.
- Three (3) samples of Thermal System Insulation (TSI) material were collected.
- Two (2) samples of each miscellaneous material were collected.

The suspect asbestos containing materials were extracted using various hand tools, containerized and labeled with unique sample identification numbers. Samples were submitted to the laboratory using standard chain of custody protocols.

Paradigm Environmental Services, Inc. was the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) approved laboratory used for analysis. A copy of Paradigm's credentials is located in Attachment A.

Friable samples were analyzed using NYS ELAP Method 198.1, Polarized Light Microscopy (PLM). Non-friable organically bound (NOB) samples were analyzed using NYS ELAP Method 198.6 (PLM) and, if found to be negative, NYS ELAP Method 198.4, Transmission Electron Microscopy (TEM). All Samples were analyzed via stop positive protocols meaning that once a positive sample of a series was found, the other samples were not analyzed.

Twenty-seven (27) bulk samples were collected from the building as part of this project.

The sample identification number indicated on the Bulk Sample Location Plan corresponds to the homogeneous ID numbers which are also located on the laboratory analytical report and the chain of custody forms. The Bulk Sample Location Plan, laboratory analytical report and the chain of custody forms are included in Attachment B.



## 2.2 Lead Paint

Lu Engineers conducted a lead-based paint inspection for this project on November 13, 2024. A total of four (4) bulk paint samples were collected from several painted surfaces. The sample locations are indicated on the Sample Location Plans included in Attachment B. The sample number indicated on the plans corresponds to the sample numbers on the laboratory analytical report and the chain of custody which are included in Attachment B.

The samples were submitted to Paradigm Environmental Services, Inc., an ELAP-certified laboratory. A copy of Paradigm's laboratory credentials is included in Attachment A. Results of Lu Engineer's visual assessment are included in Section 3.2.

## 2.3 PCB Caulk

Based on our visual assessment of the building, there were no suspect PCB containing caulks identified and therefore sampled.

## 3.0 ANALYTICAL RESULTS

### 3.1 Asbestos Results

As defined by the New York State Department of Labor (NYSDOL) 12 NYCRR 56, a sample is considered to be asbestos containing if it contains greater than 1% asbestos by weight based on laboratory analysis. The Occupational Safety and Health Administration (OSHA) 29 CFR 1926.1101 requires specific work practices and prohibitions if asbestos in any quantity, i.e., trace <1%, is present in potentially impacted materials.

A list of Homogeneous Areas (HA) identified for the building area surveyed is included below. The **bold** and ***italicized*** HA description indicates that the material is positive, based on the sample results.

Homogeneous Area No. (HA)	Description	Condition	Friability	Asbestos Content
1	White Finish Coat Plaster	Fair	F	NAD
2	Grey Rough Coat Plaster	Fair	F	NAD
3	Black Flooring Material	Fair	NF	NAD
4	Red Brick	Fair	NF	NAD
5	Grey Mortar	Fair	NF	NAD
<b>6</b>	<b><i>Grey Refractory Cement</i></b>	<b><i>Fair</i></b>	<b><i>NF</i></b>	<b><i>Chrysotile 1.5%</i></b>
7	Grey Stone Wall Mortar	Fair	NF	NAD
8	Black Paper On Batt insulation	Fair	NF	Note 1
9	Grey 2'x2' Ceiling Tile	Fair	F	NAD



Homogeneous Area No. (HA)	Description	Condition	Friability	Asbestos Content
10	Tan Wallpaper	Fair	NF	NAD
11	Grey Loose Fill Insulation	Fair	F	NAD
12	Black Tar Paper	Fair	NF	NAD / Note 1

NAD – No Asbestos Detected

F – Friable; NF – Non-Friable

Note 1 - <1.0% residue remaining, PLM and TEM not required.

### 3.2 Lead Paint Results

According to the United States Environmental Protection Agency (EPA), paint is considered lead-based if the concentration is equal to or greater than 0.5% by weight.

According to the Occupational Safety and Health Administration (OSHA), lead means metallic lead, all inorganic lead compounds, and organic soaps with any concentrations of lead. Therefore, all samples collected are considered lead containing per OSHA standards.

Lu Engineers collected a total of four (4) bulk lead paint samples from various locations of the building. The samples were submitted to Paradigm Environmental Services, Inc., an ELAP-certified laboratory. A list of the areas sampled for this survey is included below. The **bold** and *italicized* description indicates that the material is positive for lead per EPA standards, based on the sample results.

Sample No.	Description	Lead Conc. (% by Wt.)
<b><i>LP-1</i></b>	<b><i>White Paint</i></b>	<b><i>1.15</i></b>
<b><i>LP-2</i></b>	<b><i>Light Green Paint</i></b>	<b><i>1.36</i></b>
LP-3	Light Tan Paint	0.153
<b><i>LP-4</i></b>	<b><i>Grey Paint</i></b>	<b><i>10.9</i></b>

### 3.3 PCB Caulk Results

EPA defines PCB bulk waste, “as waste derived from manufactured products containing PCBs in a non-liquid state, at any concentration where the concentration at the time of designation for disposal was > 50 ppm PCBs”. Solid wastes containing 50 ppm by weight or greater are listed hazardous wastes in New York State (6 NYCRR Part 371.4(C)).

No suspect PCB caulks were identified or sampled at the time of this survey.

## 4.0 ASBESTOS MATERIALS AND APPROXIMATE QUANTITIES

Asbestos exists throughout the inspected areas. Based on the analytical results, the following table identifies the Homogeneous Areas that contain asbestos along with the material description and approximate quantity.



**ACM Identified in this Survey**

<b>Homogeneous Area No. (HA)</b>	<b>Description</b>	<b>Approximate Quantity</b>
6	Grey Refractory Cement	8 SF

SF = Square Feet

LF = Linear Feet

**ACM Identified in 2015 Lu Survey<sup>1</sup>**

<b>Homogeneous Area No. (HA)</b>	<b>Description</b>	<b>Approximate Quantity</b>
13	Silver Roof Coating	1,570 SF
14	Black Built-up Roofing	1,570 SF
15	Silver Coating	1,570 SF
16	Black Tar Paper	1,570 SF
17	Black Tar Curb Flashing	60 SF
18	Black Parapet Flashing	336 SF
19	White Window Glazing	516 LF
24	Black Tar Flashing	135 SF

SF = Square Feet

LF = Linear Feet

<sup>1</sup> – All information is from the 2015 Lu Engineers Survey, see Attachment E.

## **5.0 LIMITATIONS OF THE INVESTIGATION**

This report has been prepared for the exclusive use of the client. This report relies on information supplied by the building owner, employees, tenants and other sources of information. Lu Engineers has prepared this report in accordance with generally accepted practices within the industry.

This report identifies and assesses the location, quantity, and condition of materials that were accessible and visible at the time of sampling. The condition of the suspect materials is based on the actual inspection date. The quantities indicated in the report are based on the visual inspection and are only estimates of the material present. Additional quantities may exist above ceilings, behind walls or in areas of the building beyond the scope of the survey.

This survey is not intended to be an abatement design. Per NYCRR 56, an abatement design must be completed by a certified Project Designer.

This survey is intended to be a pre-demolition survey. Destructive measures were taken with attempts to identify materials that may not be immediately visible.



## 6.0 RECOMMENDATIONS

### 6.1 Asbestos Containing Materials

Asbestos containing materials have been identified as part of this assessment as shown in Section 4.0. The locations of asbestos containing materials and a summary of quantities identified in this survey are included in Attachment C. The locations of asbestos containing materials and a summary of quantities identified in the 2015 survey are included in Attachment E.

In accordance with 12 NYCRR 56, no renovation or demolition work shall be commenced by any owner or agent prior to completion of asbestos abatement performed by a licensed asbestos abatement contractor. NYSDOL regulations require that the asbestos containing material that will be disturbed by the renovation or demolition be removed prior to any disturbance of the material.

If suspect asbestos containing materials not identified in this asbestos survey report are discovered during the demolition and/or renovation process; it is required that the presence, location and quantity of newly discovered material, be conveyed within twenty-four (24) hours of discovery to the building owner or their representative. All activities must cease in the area where the presumed asbestos containing material or suspect miscellaneous ACM is found, until a licensed asbestos contractor appropriately assesses and manages the discovered materials.

### 6.2 Lead Paint

According to the United States Environmental Protection Agency (USEPA), paint is considered lead based if the concentration is equal to or greater than 0.5% by weight. The Occupational Safety and Health Administration (OSHA) Regulation in 29 CFR 1926.62 considers any amount of lead in paint to be of concern. The regulation states that the employer shall assure that no employee is exposed to lead concentrations greater than fifty micrograms per cubic meter (50 mg/m<sup>3</sup>) of air averaged over an eight hour period.

Lead-based Paint was identified as part of this survey that will require special handling and disposal when removed. A lead worker protection specification, consistent with OSHA regulations, is recommended for the project.



### 6.3 PCB Caulk

Caulks containing 50 parts per million (ppm) by weight (on a dry weight basis for other than liquid wastes) or greater of PCBs may be listed as hazardous waste in accordance with New York State Department of Conservation regulations (6 NYCRR Part 371). PCB wastes are also regulated by EPA in the 40 CFR Part 761 regulations.

There were no PCB containing caulks identified as part of this survey.

### 6.4 Miscellaneous Hazards

During this site visit, our inspectors visually identified additional hazards. These hazards include, but are not limited to animal waste, mold, structural deterioration, etc. Additional precautions may be necessary.



# ATTACHMENT A

## *License and Certifications*



ASBESTOS, LEAD PAINT, and PCB CAULK SURVEY

VACANT BUILDING  
24 CHURCH STREET  
LYONS, NEW YORK



**WE ARE YOUR DOL**



**Department  
of Labor**

DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

# ASBESTOS HANDLING LICENSE

Joseph C. Lu Engineering, P.C.  
280 E. Broad Street, Suite 170, Rochester, NY, 14604

License Number: 29286

License Class: RESTRICTED

Date of Issue: 05/01/2024

Expiration Date: 05/31/2025

Duly Authorized Representative: Mitchell Smith

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director  
For the Commissioner of Labor

EXCELSIOR

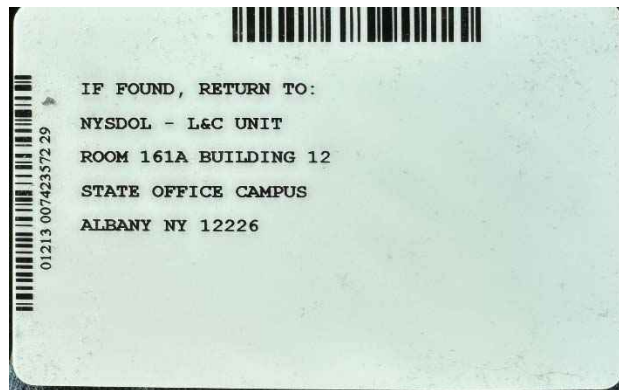
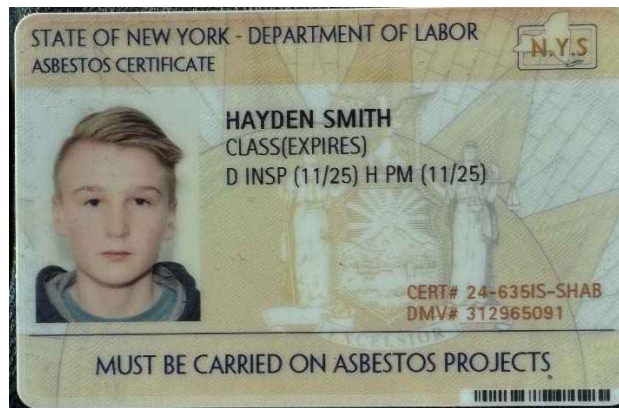


**EVAN CRAFTS**  
**C – Air Sampling Technician**  
**D – Inspector**  
**H – Project Monitor**  
**I – Project Designer**





280 East Broad Street, Suite 170  
Rochester, New York 14604



**HAYDEN SMITH**  
**C – Air Sampling Technician**  
**D – Inspector**  
**H – Project Monitor**



NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025  
Issued April 01, 2024

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. STEVE DEVITO  
PARADIGM ENVIRONMENTAL SERVICES INC  
179 LAKE AVENUE  
ROCHESTER, NY 14608

NY Lab Id No: 10958

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010C
Lead in Paint	EPA 6010C

**Sample Preparation Methods**

EPA 3050B



Serial No.: 68645

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to [elap@health.ny.gov](mailto:elap@health.ny.gov).



## ATTACHMENT B

*Sample Location Plans,  
Analytical Reports and  
Chain of Custody Forms*

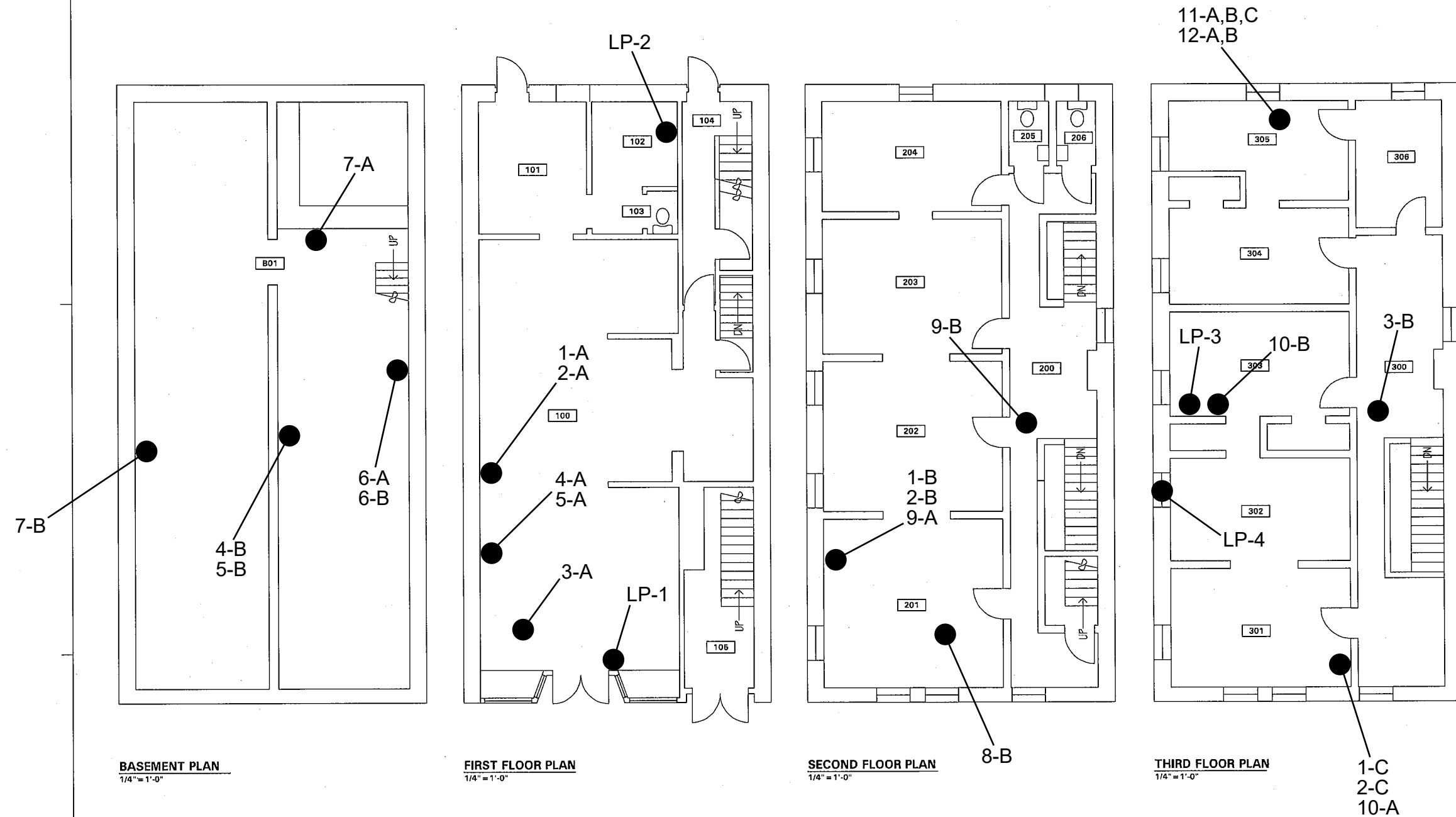


ASBESTOS, LEAD PAINT, and PCB CAULK SURVEY

VACANT BUILDING  
24 CHURCH STREET  
LYONS, NEW YORK



# BULK SAMPLE LOCATION PLAN





**PLM & TEM BULK ASBESTOS ANALYSIS REPORT**  
**via NYSDOH ELAP Method 198.1, 198.4 and 198.6**

**Client:** Lu Engineers  
**Location:** Pre-Demo RBM Survey  
 24 Church Street, Lyons, New York

**Job No:** 8956-24  
**Page:** 1 of 6

**Sample Date:** 11/13/2024

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
1-A	78280	Room 100 West Wall	White Finish Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
1-B	78281	Room 207 West Wall	White Finish Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
1-C	78282	Room 301 East Wall	White Finish Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
2-A	78283	Room 100 West Wall	Gray Rough Coat Plaster	None Detected	0%		Not Required	N/A	Animal Hair 5%	95%
2-B	78284	Room 207 West Wall	Gray Rough Coat Plaster	None Detected	0%		Not Required	N/A	Animal Hair 5%	95%
2-C	78285	Room 301 East Wall	Gray Rough Coat Plaster	None Detected	0%		Not Required	N/A	Animal Hair 5%	95%
3-A	78286	Room 100 Floor	Black Flooring Material	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
3-B	78287	Room 300 Floor	Black Flooring Material	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
4-A	78288	Room 100 West Wall	Red Brick	None Detected	0%		Not Required	N/A	None Detected	100%
4-B	78289	Basement West Wall	Red Brick	None Detected	0%		Not Required	N/A	None Detected	100%

**KEY TO NOB COLUMN SYMBOLS**

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

✓ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

# denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

\*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

Microscope: Olympus BH-2 #211874

PLM Analyst: T. Bush

Date of Analysis: 11/19/2024

Microscope: JEOL-100CX-H #EM-156094-87

TEM Analyst: M. Lochner

Date of Analysis: 11/20/2024

**ELAP ID No.: 10958**

Laboratory Results Approved By: 

Asbestos Technical Director or Designee

Fernanda Weinman

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**PLM & TEM BULK ASBESTOS ANALYSIS REPORT**  
**via NYSDOH ELAP Method 198.1, 198.4 and 198.6**

**Client:** Lu Engineers  
**Location:** Pre-Demo RBM Survey  
 24 Church Street, Lyons, New York

**Job No:** 8956-24  
**Page:** 2 of 6

**Sample Date:** 11/13/2024

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
5-A	78290	Room 100 West Wall	Gray Mortar	None Detected	0%		Not Required	N/A	None Detected	100%
5-B	78291	Basement West Wall	Gray Mortar	None Detected	0%		Not Required	N/A	None Detected	100%
6-A	78292	Basement East Wall	Gray Refractory Cement	Chrysotile 1.4%	1.4%		Not Required	N/A	None Detected	98.6%
6-B	78293	Basement East Wall	Gray Refractory Cement	Chrysotile 1.5%	1.5%		Not Required	N/A	None Detected	98.5%
7-A	78294	Basement North Wall	Gray Stone Wall Mortar	None Detected	0%		Not Required	N/A	None Detected	100%
7-B	78295	Basement West Wall	Gray Stone Wall Mortar	None Detected	0%		Not Required	N/A	None Detected	100%
8-A	78296	Basement Stock Pile	Black Paper on Batt Insulation	<1.0% Residue Remaining. PLM and TEM Not Required	N/A	X	N/A	N/A	N/A	N/A
8-B	78297	Room 201 Stock Pile	Black Paper on Batt Insulation	<1.0% Residue Remaining. PLM and TEM Not Required	N/A	X	N/A	N/A	N/A	N/A
9-A	78298	Room 207 Ceiling	Gray Fibrous 2'x4' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 50%	50%
9-B	78299	Room 200 Ceiling	Gray Fibrous 2'x4' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 30%	70%

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√ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

# denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

\*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



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**PLM Analyst:** T. Bush

**Date of Analysis:** 11/19/2024

**Microscope:** JEOL-100CX-II #EM-156094-87

**TEM Analyst:** M. Lochner

**Date of Analysis:** 11/20/2024

**Laboratory Results Approved By:**  
**Asbestos Technical Director or Designee**

*Fernanda Weinman*  
 Fernanda Weinman

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**ELAP ID No.: 10958**



**PLM & TEM BULK ASBESTOS ANALYSIS REPORT**  
**via NYSDOH ELAP Method 198.1, 198.4 and 198.6**

**Client:** Lu Engineers  
**Location:** Pre-Demo RBM Survey  
 24 Church Street, Lyons, New York

**Job No:** 8956-24  
**Page:** 3 of 6

**Sample Date:** 11/13/2024

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
10-A	78300	Room 301 East Wall	Tan Wall Paper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
10-B	78301	Room 202 South Wall	Tan Wall Paper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
11-A	78302	Room 305 Above Ceiling	Gray Fibrous Loose Fill Insulation	None Detected	0%		Not Required	N/A	Mineral Wool 100%	0%
11-B	78303	Room 305 Above Ceiling	Gray Fibrous Loose Fill Insulation	None Detected	0%		Not Required	N/A	Mineral Wool 100%	0%
12-A	78304	Room 305 Roof Hatch	Black Tar Paper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 1%	99%
12-B	78305	Room 305 Roof Hatch	Black Tar Paper	<1.0% Residue Remaining. PLM and TEM Not Required.	N/A	X	N/A	N/A	N/A	N/A
11-C	78306	Room 305 Above Ceiling	Gray Fibrous Loose Fill Insulation	None Detected	0%		Not Required	N/A	Mineral Wool 100%	0%

**KEY TO NOB COLUMN SYMBOLS**

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).  
 ✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.  
 √ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.  
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 X denotes sample prepped only by ELAP Method 198.6.  
 \*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.  
 Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

**Microscope:** Olympus BH-2 #211874  
**PLM Analyst:** T. Bush  
**Date of Analysis:** 11/19/2024

**Microscope:** JEOL-100CX-II #EM-156094-87  
**TEM Analyst:** M. Lochner  
**Date of Analysis:** 11/20/2024

**ELAP ID No.: 10958**

**Laboratory Results Approved By:**  
**Asbestos Technical Director or Designee**

Fernanda Weinman

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and/or laboratory and analysts' precision) is available upon request. All samples that were analyzed were received in acceptable condition.



# Bulk Sample Chain of Custody



**Lu Engineers**  
ENVIRONMENTAL • TRANSPORTATION • CIVIL

<b>Project Name:</b> Pre-Demo RBM Survey		<b>Lu Project #</b> 50514-08	
<b>Site Address:</b> 24 Church Street, Lyons, New York		<b>Laboratory Name:</b> Paradigm Environmental Services	
<b>Results to:</b>		<b>Laboratory Address:</b> 179 Lake Avenue Rochester, New York	
<b>Lu Engineers</b> 280 East Broad Street, Suite 170 Rochester, NY 14604		<b>Turn Around Time</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 12 HR <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 Day	
<b>Sample Type</b> <input checked="" type="checkbox"/> NYS ELAP PLM/TEM <input type="checkbox"/> PLM Only <input type="checkbox"/> TEM Only		<b>Comments:</b> <b>STOP POSITIVE</b>	
Email: <a href="mailto:msmith@luengineers.com">msmith@luengineers.com</a> , <a href="mailto:ecrafts@luengineers.com">ecrafts@luengineers.com</a> , <a href="mailto:hsmith@luengineers.com">hsmith@luengineers.com</a> , <a href="mailto:sdavis@luengineers.com">sdavis@luengineers.com</a>			

FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
1 - A	Room 100, West Wall	White Finish Coat Plaster	78280
1 - B	Room 207, West Wall	"	281
1 - C	Room 301, East Wall	"	282
2 - A	Room 100, West Wall	Grey Rough Coat Plaster	283
2 - B	Room 207, West Wall	"	284
2 - C	Room 301, East Wall	"	285
3 - A	Room 100 Floor	Black Flooring Material	286
3 - B	Room 300 Floor	"	287
4 - A	Room 100, West Wall	Red Brick	288
4 - B	Basement, West Wall	"	289

Date Sampled: 11/13/24

Inspector: E.C.H.S.

Relinquished By:

Received By:

Date/Time 11/15/24

Date/Time 11/15/24 1507



# Bulk Sample Chain of Custody



**Lu Engineers**  
ENVIRONMENTAL • TRANSPORTATION • CIVIL

<b>Project Name:</b> Pre-Demo RBM Survey		<b>Lu Project #</b> 50514-08	
<b>Site Address:</b> 24 Church Street, Lyons, New York		<b>Laboratory Name:</b> Paradigm Environmental Services	
<b>Results to:</b>		<b>Laboratory Address:</b> 179 Lake Avenue Rochester, New York	
<b>Lu Engineers</b> 280 East Broad Street, Suite 170 Rochester, NY 14604		<b>Turn Around Time</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 12 HR <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 Day	
<b>Sample Type</b> <input checked="" type="checkbox"/> NYS ELAP PLM/TEM <input type="checkbox"/> PLM Only <input type="checkbox"/> TEM Only		<b>Comments:</b> <b>STOP POSITIVE</b>	
Email: <a href="mailto:msmith@luengineers.com">msmith@luengineers.com</a> , <a href="mailto:ecrafts@luengineers.com">ecrafts@luengineers.com</a> , <a href="mailto:hsmith@luengineers.com">hsmith@luengineers.com</a> , <a href="mailto:sdavis@luengineers.com">sdavis@luengineers.com</a>			

FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
5-A	Room 100, west wall	Grey mortar	78290
5-B	Basement, west wall	"	291
6-A	Basement, east wall	Grey Refractory cement	292
6-B	"	"	293
7-A	Basement, North wall	Grey stone wall mortar	294
7-B	Basement, west wall	"	295
8-A	Basement stock pile	Black paper on Batt insulation	296
8-B	Room 201 stockpile	"	297
9-A	Room 207 ceiling	Grey 2'x4' ceiling tile	298
9-B	Room 200 ceiling	"	299

Date Sampled: 11/13/24  
Inspector: E.C./H.S.  
Relinquished By: Date/Time 11/15/24  
Received By: Date/Time 11/15/24 1507  
280 East Broad Street, Suite 170, Rochester, NY 14604 | Ph 585.385.7417 | Fax 585.546.1634 | [luengineers.com](http://luengineers.com)



# Bulk Sample Chain of Custody



**Lu Engineers**  
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Project Name: Pre-Demo RBM Survey		Lu Project # 50514-08		8/5/24		3 of 3	
Site Address: 24 Church Street, Lyons, New York		Laboratory Name: Paradigm Environmental Services					
Results to:		Laboratory Address: 179 Lake Avenue Rochester, New York		6863			
Lu Engineers 280 East Broad Street, Suite 170 Rochester, NY 14604		Sample Type <input checked="" type="checkbox"/> NYS ELAP PLM/TEM <input type="checkbox"/> PLM Only <input type="checkbox"/> TEM Only		Turn Around Time <input type="checkbox"/> Immediate <input type="checkbox"/> 24 HR <input type="checkbox"/> 72 HR		Comments: <b>STOP POSITIVE</b>	
Email: <a href="mailto:msmith@luengineers.com">msmith@luengineers.com</a> , <a href="mailto:ecrafts@luengineers.com">ecrafts@luengineers.com</a> , <a href="mailto:hsmith@luengineers.com">hsmith@luengineers.com</a> , <a href="mailto:sdavis@luengineers.com">sdavis@luengineers.com</a>				<input type="checkbox"/> 12 HR <input type="checkbox"/> 48 HR <input checked="" type="checkbox"/> 5 Day			

FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
10-A	ROOM 301, EAST WALL	Tan wallpaper	78300
10-B	ROOM 303, SOUTH WALL	"	301
11-A	ROOM 305, ABOVE CEILING	Grey loose fill insulation	302
11-B	"	"	303
12-A	ROOM 305, ROOF HATCH	Black Tar Paper	304
12-B	"	"	305
11-C	ROOM 305, ABOVE CEILING	Grey loose fill insulation	306
			307
			308
			309

Date Sampled: 11/13/24  
Inspector: C.C./H.S.  
Relinquished By: Date/Time: 11/15/24  
Received By: Date/Time: 11/15/24 1507  
280 East Broad Street, Suite 170, Rochester, NY 14604 | Ph 585.385.7417 | Fax 585.546.1634 | [luengineers.com](http://luengineers.com)





**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

*Analytical Report For*  
**Lu Engineers, Inc.**

*For Lab Project ID*

**245413**

*Referencing*

24 Church St Lyons, NY

*Prepared*

Thursday, November 21, 2024

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below:

***Reduced sample size used for Lead analysis due to limited sample volume. Kindly refer to Chain of Custody Supplement for the affected samples.***

A handwritten signature in blue ink, appearing to be "S. Lu", is written over a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

*Report Prepared Thursday, November 21, 2024*

Page 1 of 9





Lab Project ID: 245413

Client: Lu Engineers, Inc.

Project Reference: 24 Church St Lyons, NY

---

Sample Identifier: White Paint / LP-1

Lab Sample ID: 245413-01

Date Sampled: 11/13/2024 11:00

Matrix: Paint

Date Received 11/15/2024

---

***Lead***

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Lead	1.15	%		11/19/2024 09:52
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	11/18/2024			
Data File:	241119A			

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, November 21, 2024





Lab Project ID: 245413

Client: Lu Engineers, Inc.

Project Reference: 24 Church St Lyons, NY

---

Sample Identifier: Light Green Paint / LP-2

Lab Sample ID: 245413-02

Date Sampled: 11/13/2024 11:00

Matrix: Paint

Date Received 11/15/2024

---

***Lead***

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Lead	1.36	%		11/19/2024 09:55
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	11/18/2024			
Data File:	241119A			

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, November 21, 2024





Lab Project ID: 245413

Client: Lu Engineers, Inc.

Project Reference: 24 Church St Lyons, NY

---

Sample Identifier: Light Tan Paint / LP-3

Lab Sample ID: 245413-03

Date Sampled: 11/13/2024 11:00

Matrix: Paint

Date Received 11/15/2024

---

***Lead***

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Lead	0.153	%		11/19/2024 09:58
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	11/18/2024			
Data File:	241119A			

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Report Prepared Thursday, November 21, 2024





Lab Project ID: 245413

Client: Lu Engineers, Inc.

Project Reference: 24 Church St Lyons, NY

---

Sample Identifier: Grey Paint / LP-4

Lab Sample ID: 245413-04

Date Sampled: 11/13/2024 11:00

Matrix: Paint

Date Received 11/15/2024

---

***Lead***

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Lead	10.9	%		11/19/2024 10:41
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	11/18/2024			
Data File:	241119A			

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, November 21, 2024





## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"H" = Denotes a parameter analyzed outside of holding time.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*

*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

*"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.*

*"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.*

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

### Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



# CHAIN OF CUSTODY



## REPORT TO:

## INVOICE TO:

COMPANY: LU ENGINEERS		COMPANY: Same		LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: 280 East Broad Street, Suite 170		ADDRESS:		245413	
CITY: ROCHESTER	STATE: NY	ZIP: 14604	CITY:	STATE:	ZIP:
PHONE: 385-7417	FAX: 546-1634	PHONE:	FAX:	TURNAROUND TIME: (WORKING DAYS)	
ATTN: Mitch Smith	ATTN:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> OTHER			
PROJECT NAME/SITE NAME: 24 Church St Lyons, New York		COMMENTS: msmith@luengineers.com		Quotation #	

## REQUESTED ANALYSIS

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A I N E R	REMARKS	PARADIGM LAB SAMPLE NUMBER
11/13/24	11:00			White Paint / CP-1	Paint	X		-01
11/13/24	11:00			Light Green Paint/CP-2	Paint	X		-02
11/13/24	11:00			Light Tan Paint/CP-3	Paint	X		-03
11/13/24	11:00			Grey Paint / CP-4	Paint	X		-04

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter NELAC Compliance

Comments:	Container Type:	Y <input type="checkbox"/> N <input type="checkbox"/>
Comments:	Preservation:	Y <input type="checkbox"/> N <input type="checkbox"/>
Comments:	Holding Time:	Y <input type="checkbox"/> N <input type="checkbox"/>
Comments:	Temperature:	Y <input type="checkbox"/> N <input type="checkbox"/>

Received By: E.C.H.S. Date/Time: 11/13/24 11:00 A.M.

Relinquished By: [Signature] Date/Time: 11/15/24

Total Cost:

Received By: [Signature] Date/Time: 11/15/24 14:55

Received @ Lab By: [Signature] Date/Time: 11/15/24

P.L.F. ☐



# PARADIGM

ENVIRONMENTAL SERVICES

## Chain of Custody Supplement

Client: Lu Engineers  
 Lab Project ID: 245413

Completed by: [Signature]  
 Date: 11/15/2024

### Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition		NELAC compliance with the sample condition requirements upon receipt		
		Yes	No	N/A
Container Type		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Comments			
Transferred to method-compliant container		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Comments			
Preservation		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Comments			
Chlorine Absent (<0.10 ppm per test strip)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Comments			
Holding Time		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Comments			
Temperature		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Comments			
Compliant Sample Quantity/Type		<input checked="" type="checkbox"/> -02, -03	<input checked="" type="checkbox"/> -01, -04	<input type="checkbox"/>
	Comments	limited volume MR 11/19/24		



# *ATTACHMENT C*

## *Asbestos Location Plans and Asbestos Inspection Summary Table*



ASBESTOS, LEAD PAINT, and PCB CAULK SURVEY

VACANT BUILDING  
24 CHURCH STREET  
LYONS, NEW YORK



6000 WEST GENESEE STREET  
CAMILLUS, NEW YORK 13031  
TEL. (315) 488-0377  
FAX. (315) 487-5947  
E-MAIL: [info@bellandspina.com](mailto:info@bellandspina.com)  
WEB: [www.bellandspina.com](http://www.bellandspina.com)

It is a violation of the New York State Education Law, Article 165 Sec. 7209, for any person unless he is acting under the direction of a licensed professional Architect, Engineer or Land Surveyor to alter an affidavit in any way. If anyone wants the use of an Architect, Engineer or Land Surveyor is shown the Altered Affidavit, Engineer and/or Surveyor shall affix to the front the seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.

PROJECT NORTH

Wayne County Space and Facilities Management Program  
Building Evaluation and Space Program Report

**Old Print Shop**  
**24 Church Street**  
Lyons, New York

C.O.B. # 0002

PROJECT NUMBER	217-02-001
----------------	------------

The Contractor shall verify all dimensions and notify the Architect in writing of any discrepancies.

All drawings and specifications are the property of the Architect and shall be used only on the job designed.

DATE	REVISED	BY

DRAWN DGD		CHECKED -	
DATE 27 MAR 02		SCALE 1/4" = 1'-0"	
CONTRACTS			
GENERAL	<input checked="" type="checkbox"/>	ELECTRICAL	<input checked="" type="checkbox"/>
HVAC	<input type="checkbox"/>	EQUIPMENT	<input type="checkbox"/>
PLUMBING	<input type="checkbox"/>		

SHEET TITLE

Figure 6-1

SHEET NUMBER

SHEET \_\_\_\_\_ OF \_\_\_\_\_



**FIRST FLOOR PLAN**  
**1/4" = 1'-0"**

**SECOND FLOOR PLAN**  
1/4" = 1'-0"

**THIRD FLOOR PLAN**  
**1/4" = 1'-0"**

6

ACM Identified in this Survey		
Homogeneous Area No. (HA)	Description	Approximate Quantity
6	Grey Refractory Cement	8 SF

# ASBESTOS LOCATION PLAN



# *ATTACHMENT D*

## *Site Photographs*



ASBESTOS, LEAD PAINT, and PCB CAULK SURVEY

VACANT BUILDING  
24 CHURCH STREET  
LYONS, NEW YORK



1



Asbestos Containing Refractory Cement in Basement

Project: Wayne County Land Bank 50514-08

Date: 11/13/2024, 9:50am

Creator: Evan Crafts

2



Asbestos Containing Refractory Cement in Basement

Project: Wayne County Land Bank 50514-08

Date: 11/13/2024, 9:19am

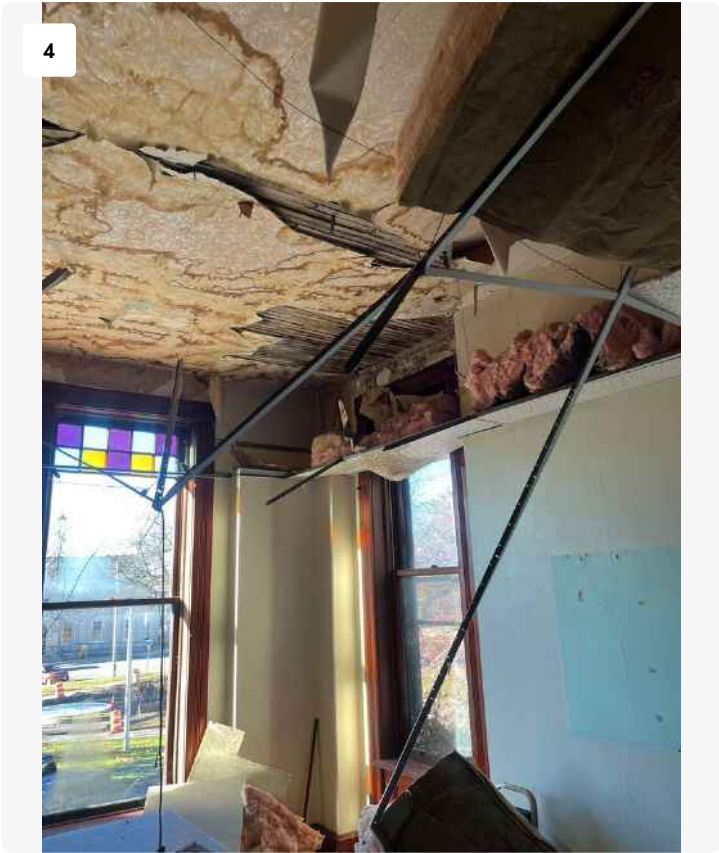
Creator: Evan Crafts





Structural Deterioration on First Floor, West Side of the Building

Project: Wayne County Land Bank 50514-08  
Date: 11/13/2024, 8:56am  
Creator: Evan Crafts



Deterioration on Second Floor

Project: Wayne County Land Bank 50514-08  
Date: 11/13/2024, 9:02am  
Creator: Evan Crafts





Animal (Bird) Waste at Roof Hatch

Project: Wayne County Land Bank 50514-08  
Date: 11/13/2024, 10:35am  
Creator: Evan Crafts



# *ATTACHMENT E*

## *Previous Report*



ASBESTOS, LEAD PAINT, and PCB CAULK SURVEY

VACANT BUILDING  
24 CHURCH STREET  
LYONS, NEW YORK



PRE-DEMOLITION  
ASBESTOS AND PCB CAULK  
SURVEY REPORT

**Wayne County Demolition Project**  
**24 Church Street**  
**Lyons, New York 14489**

Prepared For:



Prepared By:



175 Sully's Trail, Suite 202  
Corporate Crossings Office Park  
Pittsford, New York 14534

November 2015



# **PRE-DEMOLITION ASBESTOS AND PCB CAULK SURVEY REPORT**

Wayne County Demolition Project  
24 Church Street  
Lyons, New York 14489

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## **ATTACHMENTS**

ATTACHMENT A	Licenses and Certifications
ATTACHMENT B	Field Data Sheet and Roof Core Profiles
ATTACHMENT C	Sample Location Plans, Analytical Reports, and Chain of Custody Forms
ATTACHMENT D	Asbestos Location Plans and Asbestos Inspection Summary Table



## **1.0 INTRODUCTION**

Lu Engineers was retained by Wayne County to provide a Pre-Demolition Asbestos and PCB Caulk Survey of the vacant structure located at 24 Church Street, Lyons, New York. Representative bulk samples of suspect asbestos containing materials were collected by NYSDOL certified inspectors from Lu Engineers. A copy of Lu Engineers' license and the inspectors' certifications can be found in Attachment A.

## **2.0 PROJECT OVERVIEW**

The Pre-Demolition Asbestos and PCB Caulk Survey was conducted on August 25, 2015 and September 11, 2015. The intent of this survey was to determine the presence and quantity of asbestos containing materials (ACMs) and PCB caulks for abatement purposes prior to building demolition. The asbestos survey was conducted in accordance with New York State Department of Labor (NYSDOL) Industrial Code Rule (ICR) 56.

### **2.1 Records Review**

No previous records were available for review prior to conducting the asbestos survey.

## **3.0 SITE INSPECTION**

### **3.1 Asbestos**

One of the purposes of the visual inspection was to identify homogeneous areas of suspect asbestos containing materials that exist throughout the area of demolition. The Asbestos Hazard Emergency Response Act (AHERA) regulations define a homogeneous area as, "... an area of surfacing material, thermal insulation material, or miscellaneous material that is uniform in color and texture." Furthermore, homogeneous areas should consist of the same age and application.

The inspectors identified homogeneous areas that were present within the building. The suspect asbestos materials were given a homogeneous identification number based on color and texture of the material. A list of homogeneous area numbers of the materials encountered is included with the Asbestos Result Table in Section 4.0. Each room was given an identification (ID) number. The room ID number correlates with the ID number found on the Field Data Sheet in Attachment B.

Occupational Safety and Health Administration (OSHA) and 40 CFR 763 Subpart E - Asbestos Hazard Emergency Response Act (AHERA) bulk sampling protocols were followed.

- Three (3) samples of a homogenous surfacing material in quantities of 1,000 Square Feet (SF) or less were collected.



- Five (5) samples of a homogenous surfacing material in quantities greater than 1,000 SF but less than 5,000 SF were collected.
- Seven (7) samples of a homogenous surfacing material in quantities greater than 5,000 SF were collected.
- Three (3) samples of Thermal System Insulation (TSI) material were collected.
- Two (2) samples of each miscellaneous material were collected.

All Samples were analyzed via stop positive protocols.

Friable samples were analyzed using NYS ELAP Method 198.1 Polarized Light Microscopy (PLM). Non-friable organically bound (NOB) samples were analyzed using NYS ELAP Method 198.6 (PLM) and, if found to be negative, NYS ELAP Method 198.4 Transmission Electron Microscopy (TEM). Paradigm Environmental Services was the New York State Department of Health (NYSDOH) approved laboratory used for analysis. A copy of Paradigm's credentials is located in Attachment A.

Fifty-six (56) bulk samples were collected from the building as part of this project. The sample identification number indicated on the Bulk Sample Location Plan corresponds to the homogeneous ID numbers which are also located on the laboratory analytical report, the bulk sample log, and the chain of custody forms. The Bulk Sample Location Plan, laboratory analytical report and the chain of custody forms are included in Attachment C.

### 3.2 PCB Caulks

Three (3) suspect PCB caulks were sampled during Lu Engineers' September 11, 2015 site investigation. The sample location is indicated on the Sample Location Plans included in Attachment C. The sample numbers indicated on the plans correspond to the sample numbers on the laboratory analytical report and the chain of custody which are included in Attachment C.

The samples were submitted to Paradigm Environmental services, Inc, an NYSDOH certified laboratory. Bulk PCB samples were analyzed using EPA Method 8082. Paradigm's laboratory credentials are included in Attachment A.

## 4.0 **ANALYTICAL RESULTS**

### 4.1 Asbestos Results

As defined by the New York State Department of Labor (NYSDOL) 12 NYCRR 56, a sample is considered to be asbestos containing if it contains greater than 1% asbestos by weight based on laboratory analysis.



A list of Homogeneous Areas (HA) identified for each building area surveyed is included below. The **bold** and ***italicized*** HA description indicates that the material is positive, based on the sample results.

Lu Engineers Homogeneous Area No. (HA)	Description	Condition	Asbestos Content/ Type of Analysis
1	White Finish Coat Plaster	Good	NAD – PLM
2	Grey Rough Coat Plaster	Good	NAD – PLM
3	Multiple Color Pattern Linoleum	Good	NAD – NOB/TEM
4	Brown Tar Paper	Good	Trace Chrysotile <1.0% – NOB/TEM
5	Grey Linoleum with Black & Red	Good	NAD – NOB/TEM
6	Black Cloth Electrical Wire	Good	NAD – NOB/TEM
7	Grey Drywall	Good	NAD – PLM
8	White Joint Compound	Good	NAD – PLM
9	Tan Tape	Good	NAD – PLM
10	White 2' x 4' Ceiling Tile with Small Craters and Holes	Good	NAD – NOB/TEM
11	Brown 12" x 12" Pattern Floor Tile	Good	NAD – NOB/TEM
12	Brown Insulation	Good	NAD – PLM
<b>13</b>	<b><i>Silver Roof Coating</i></b>	<b><i>Fair</i></b>	<b><i>Chrysotile 15% – NOB/PLM</i></b>
<b>14</b>	<b><i>Black Built-up Roofing</i></b>	<b><i>Fair</i></b>	<b><i>Chrysotile 3.8% – NOB/PLM</i></b>
<b>15</b>	<b><i>Silver Coating</i></b>	<b><i>Fair</i></b>	<b><i>Chrysotile 3.8% – NOB/PLM</i></b>
<b>16</b>	<b><i>Black Tar Paper</i></b>	<b><i>Fair</i></b>	<b><i>Chrysotile 2.4% – NOB/PLM</i></b>
<b>17</b>	<b><i>Black Tar Curb Flashing</i></b>	<b><i>Fair</i></b>	<b><i>Chrysotile 8.4% – NOB/PLM</i></b>
<b>18</b>	<b><i>Black Parapet Flashing</i></b>	<b><i>Fair</i></b>	<b><i>Chrysotile 1.3% – NOB/PLM</i></b>
<b>19</b>	<b><i>White Window Glazing</i></b>	<b><i>Good</i></b>	<b><i>Chrysotile 6.6% – NOB/PLM</i></b>
20	Tan 12"x 12" Floor Tile with Tan Specs	Good	NAD – NOB/TEM
21	Yellow Mastic	Good	NAD – NOB/TEM
22	White Window Glazing	Good	NAD – TEM
23	Grey Window Caulk	Good	NAD – NOB/TEM
24	Black Tar Flashing	Fair	Assumed ACM

NAD – No Asbestos Detected

PLM- Polarized Light Microscopy NYS ELAP Method 198.1

NOB/TEM- Transmission Electron Microscopy NYS ELAP Method 198.4 and/or 198.6



#### 4.2 PCB Caulk Results

EPA defines PCB bulk waste, “as waste derived from manufactured products containing PCBs in a non-liquid state, at any concentration where the concentration at the time of designation for disposal was > 50 ppm PCBs”. Solid wastes containing 50 ppm by weight or greater are listed hazardous wastes in New York State (6 NYCRR Part 371.4 (e)).

The following table summarizes the PCB sampling results:

Sample No.	Description	PCB Content (ppm)	Asbestos Containing
PCB-19	White Window Glaze	<4.63	Yes
PCB-22	White Window Glaze	<6.71	No
PCB-23	Grey Window Caulk	<4.39	No

A ***bold and italicized*** Sample number indicates that the building material has a PCB concentration that is equal to or greater than 50 ppm based on analytical results.

#### 5.0 ASBESTOS MATERIALS AND APPROXIMATE QUANTITIES

Asbestos exists throughout the inspected areas. Based on the analytical results, the following table identifies the Homogeneous Areas that contain asbestos along with the material description and approximate quantity.

Homogeneous Area No. (HA)	Material Description	Estimated Quantity
13	Silver Roof Coating	1,570 SF
14	Black Built-up Roofing	1,570 SF
15	Silver Coating	1,570 SF
16	Black Tar Paper	1,570 SF
17	Black Tar Curb Flashing	60 SF
18	Black Parapet Flashing	336 SF
19	White Window Glazing	516 LF
24	Black Tar Flashing	135 SF

SF – Square Feet

LF – Linear Feet



## **6.0 LIMITATIONS OF THE INVESTIGATION**

- Inaccessible areas were not inspected (i.e., behind chase walls and above plaster ceilings).
- The condition of the suspect material is based on the actual inspection date.
- Quantities indicated on the inspection forms are based on the visual inspection and are only estimates of the material present. Additional quantities may exist, i.e. above ceilings and behind walls.
- This document does not represent an abatement design.

## **7.0 RECOMMENDATIONS**

### **7.1 Asbestos Containing Materials**

Asbestos containing materials have been identified as part of this assessment as shown in Section 5.0. The locations of asbestos containing materials and a summary of quantities are included in Attachment D. In accordance with 12 NYCRR 56, no demolition work shall be commenced by any owner or agent prior to completion of asbestos abatement performed by a licensed asbestos abatement contractor. NYSDOL regulations require that the asbestos containing material that will be disturbed by the demolition be removed prior to any demolition.

If suspect asbestos containing materials not identified in this Pre-Demolition Asbestos and PCB Caulk Survey Report are discovered during the demolition process; it is required that the presence, location and quantity of newly discovered material, be conveyed within twenty-four (24) hours of discovery to the building owner or their representative. All activities must cease in the area where the presumed asbestos containing material or suspect miscellaneous ACM is found, until a licensed asbestos contractor appropriately assesses and manages the discovered materials.

### **7.2 PCB Caulk**

Caulks containing 50 parts per million (ppm) by weight (on a dry weight basis for other than liquid wastes) or greater of PCBs may be listed as hazardous waste in accordance with New York State Department of Conservation regulations (6 NYCRR Part 371). PCB wastes are also regulated by EPA in the 40 CFR Part 761 regulations. There were no PCB's identified as part of this survey. Therefore, no further action is necessary with regards to PCB's in Caulk.



# *ATTACHMENT A*

## *License and Certifications*

PRE-DEMOLITION  
ASBESTOS and PCB CAULK SURVEY

WAYNE COUNTY  
24 CHURCH STREET  
LYONS, NEW YORK



**New York State – Department of Labor**

Division of Safety and Health  
License and Certificate Unit  
State Campus, Building 12  
Albany, NY 12240

**ASBESTOS HANDLING LICENSE**

Joseph C. Lu Engineering And Land Surveying, P.C.  
Suite 202  
175 Sully's Trail  
Pittsford, NY 14534

FILE NUMBER: 99-0907  
LICENSE NUMBER: 29286  
LICENSE CLASS: RESTRICTED  
DATE OF ISSUE: 01/30/2015  
EXPIRATION DATE: 01/31/2016

Duly Authorized Representative – Susan Hilton:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

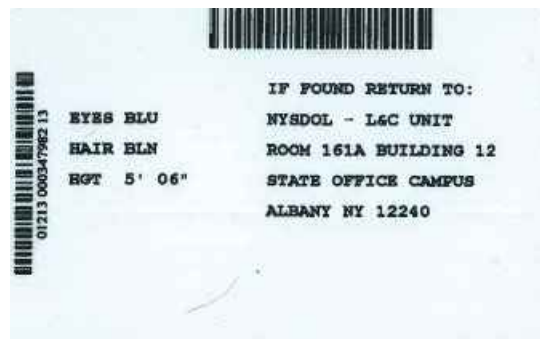


Eileen M. Franko, Director  
For the Commissioner of Labor





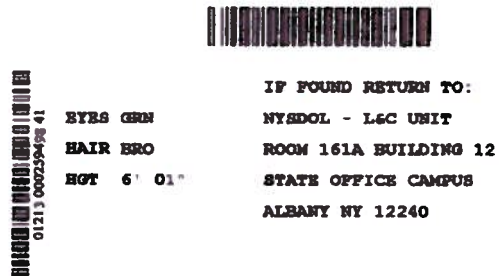
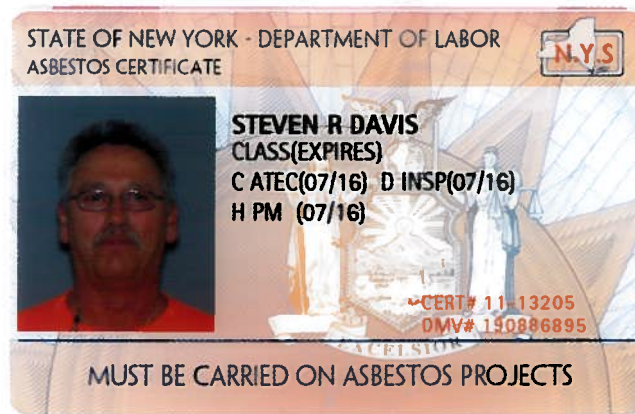
175 Sullys Trail, Suite 202  
Pittsford, New York 14534



**SUSAN HILTON**  
**D - Inspector**  
**I - Project Designer**



175 Sullys Trail, Suite 202  
Pittsford, New York 14534



**STEVE DAVIS**

**D-Inspector**  
**C-Air Sampling Technician**  
**H-Project Monitor**



NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016  
Issued April 01, 2015

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. BRUCE HOOGESTEGER  
PARADIGM ENVIRONMENTAL SERVICES INC  
179 LAKE AVENUE  
ROCHESTER, NY 14608

NY Lab Id No: 10958

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010C
Lead in Paint	EPA 6010C

**Sample Preparation Methods**

EPA 3050B

Serial No.: 52201

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



*ATTACHMENT B*

*Field Data Sheets and  
Roof Core Profiles*

PRE-DEMOLITION  
ASBESTOS and PCB CAULK SURVEY

WAYNE COUNTY  
24 CHURCH STREET  
LYONS, NEW YORK



## Field Data Sheet

<b>Building Name:</b>	Wayne County
<b>Building Address:</b>	24 Church Street
	Lyons, New York
<b>Project No.:</b>	36507-09
<b>Inspection Dates:</b>	8/25/2015 & 9/11/2015



Space I.D.	Walls				Floor	Ceiling	Cove Base	TSI	Caulk	Misc.	Notes
	N	S	E	W							
Third Floor											
300	1/2	1/2	1/2	1/2	3/4/Hardwood	1/2			19	6	
301	1/2	1/2	1/2	1/2	Hardwood	1/2			19		
302	1/2	1/2	1/2	1/2	Hardwood	1/2			19		
303	1/2	1/2	1/2	1/2	Hardwood	1/2			19		
304	1/2	1/2	1/2	1/2	5/Hardwood	1/2			19		
305	1/2	1/2	1/2	1/2	5/Hardwood	1/2			19		
306	1/2	1/2	1/2	1/2	5/Hardwood	1/2			19		
Second Floor											
200	7/8/9/1/2	7/8/9/1/2	7/8/9/1/2	7/8/9/1/2	Carpet/Hardwood	10/1/2			19		
201	1/2	1/2	1/2	1/2	Carpet/Hardwood	10/1/2			19		
202	Paneling/1/2	Paneling/1/2	Paneling/1/2	Paneling/1/2	Carpet/Hardwood	10/1/2			19		
203	Paneling/1/2	Paneling/1/2	Paneling/1/2	Paneling/1/2	Carpet/Hardwood	10/1/2			19		
204	7/8/9/1/2	Paneling/1/2	1/2	7/8/9/1/2	Carpet/Hardwood	10/1/2			19		
205	7/8/9/1/2	7/8/9/1/2	7/8/9/1/2	7/8/9/1/2	11/OSB/Hardwood	10/1/2					
206	Locked										
First Floor											
100	7/8/9/1/2	7/8/9	7/8/9/1/2	7/8/9/1/2	20/21/OSB/Hardwood	10/1/2					
101	7/8/9/1/2	7/8/9	7/8/9/1/2	7/8/9/1/2	20/21/OSB/Hardwood	10/1/2					
102	7/8/9/1/2	7/8/9	7/8/9/1/2	7/8/9	20/21/OSB/Hardwood	10/1/2					
103	7/8/9/1/2	7/8/9	7/8/9/1/2	7/8/9	20/21/OSB/Hardwood	10/1/2					
105	1/2	1/2	1/2	7/8/9	Carpet/Hardwood	7/8/9					
Basement											
B-01	Stone	Stone	Stone	Stone	Conc	Wood					int. wall brick



Core # 1 Roof- 1" Depth:

- Silver Roof Coating (**HA# 13**)
- Black Built-up Roofing (**HA# 14**)
- Silver Coating (**HA# 15**)
- Black Tar Paper (**HA#16**)
- Metal & Wood Deck

Core # 2 Roof-1" Depth:

- Silver Roof Coating (**HA# 13**)
- Black Built-up Roofing (**HA# 14**)
- Silver Coating (**HA# 15**)
- Black Tar Paper (**HA#16**)
- Metal & Wood Deck

Note:

1. **Bold & Italicized** layers indicate materials are positive for asbestos.

Lu Project #36507-09



**ROOF CORE PROFILES**

24 Church Street  
Lyons, New York

**NOVEMBER 2015**



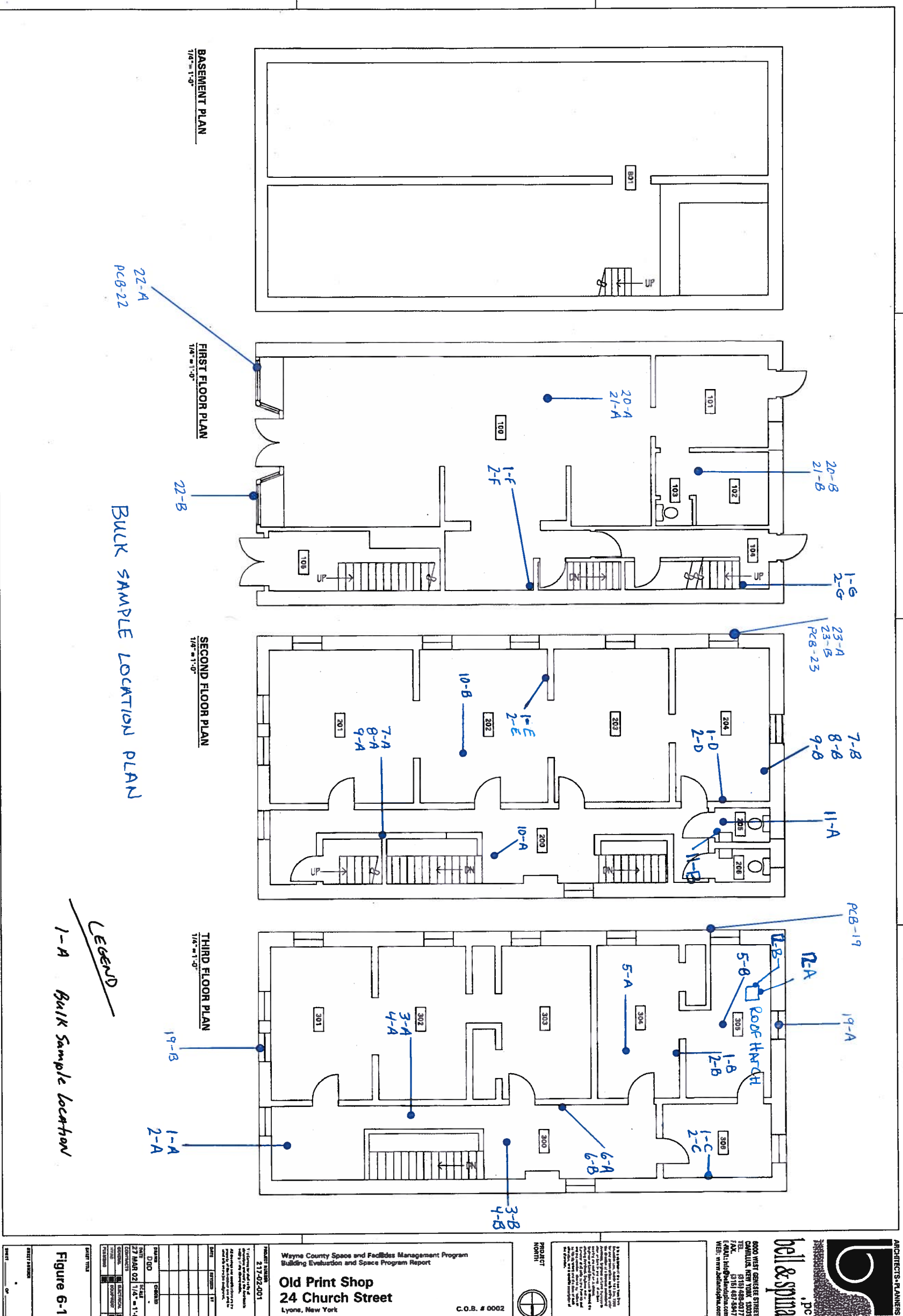
# *ATTACHMENT C*

*Sample Location Plans,  
Analytical Reports and  
Chain of Custody Forms*

PRE-DEMOLITION  
ASBESTOS and PCB CAULK SURVEY

WAYNE COUNTY  
24 CHURCH STREET  
LYONS, NEW YORK



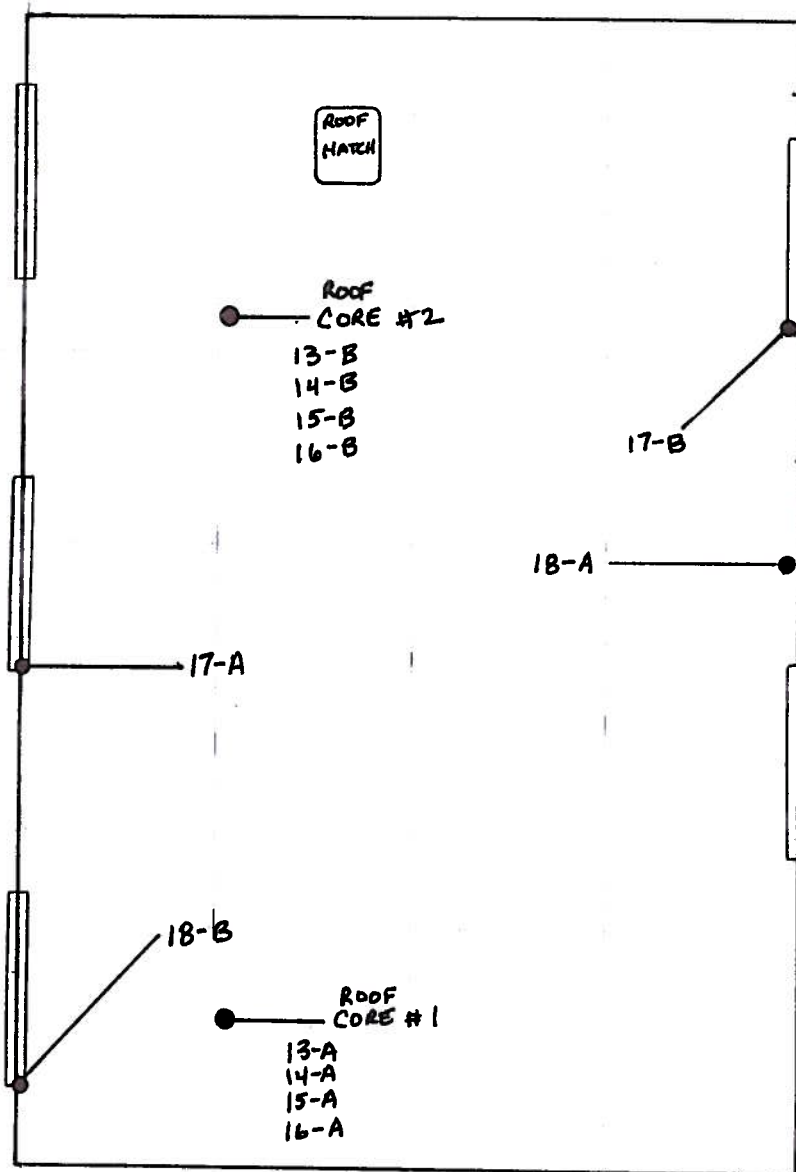






LEGEND

1-A = BULK SAMPLE LOCATION



BULK SAMPLE LOCATION PLAN





**PLM & TEM BULK ASBESTOS ANALYSIS REPORT**  
**via NYSDOH ELAP Method 198.1, 198.4 and 198.6**

**Client:** Lu Engineers  
**Location:** Wayne County  
24 Church Street, Lyons, New York  
**Sample Date:** 8/25/2015

**Job No:** 11482-15  
**Page:** 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
1-A	78320	Room 300	White Finish Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
1-B	78321	Room 304 North Wall	White Finish Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
1-C	78322	Room 306 East Wall	White Finish Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
1-D	78323	Room 204 East Wall	White Finish Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
1-E	78324	Room 202 North Wall	White Finish Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
1-F	78325	Room 100 East Wall	White Finish Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
1-G	78326	Room 104 East Wall	White Finish Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
2-A	78327	Room 300	Gray Rough Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
2-B	78328	Room 304 North Wall	Gray Rough Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
2-C	78329	Room 306 East Wall	Gray Rough Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%



Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958**

**KEY TO NOB COLUMN SYMBOLS**

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

√ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

# denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

\*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0).

**PLM Date Analyzed:** 9/2/2015

**TEM Date Analyzed:** N/A

**Microscope:** Olympus BH-2 #232953

**TEM Analyst:** N/A

**Analyst:** T. Bush

**Laboratory Results Approved By:**  
**Asbestos Operations Manager or Designee**

Mary Bohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

11482-15 9/2/2015



# Bulk Sample Chain of Custody



Lu Engineers 1/482-15

Project: Pre-Demolition Asbestos Survey		Lu Project # 36507-09	
Site Address: Wayne County 24 Church Street, Lyons, New York		Laboratory Name: Paradigm Environmental Services	
Results to: Lu Engineers 175 Sullys Trail, Suite 202 Pittsford, NY 14534		Laboratory Address: 179 Lake Avenue Rochester, New York	
Sample Type <input checked="" type="checkbox"/> NYS ELAP PLM/TEM <input type="checkbox"/> PLM Only <input type="checkbox"/> TEM Only		Turn Around Time <input type="checkbox"/> Immediate <input type="checkbox"/> 12 HR <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 Day	
Email: sue-hilton@luengineers.com, sdavis@luengineers.com		Comments: Stop Positive	

FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
1-A	ROOM 300	WHITE FINISH COAT PLASTER	
1-B	ROOM 304 - NORTH WALL		
1-C	ROOM 306 - EAST WALL		
1-D	ROOM 204 - EAST WALL		
1-E	ROOM 202 - NORTH WALL		
1-F	ROOM 100 - EAST WALL		
1-G	ROOM 104 - EAST WALL		
2-A	ROOM 300	GREY ROUGH COAT PLASTER	
2-B	ROOM 304 - NORTH WALL		
2-C	ROOM 306 - EAST WALL		

Date Sampled: 8/25/2015  
Inspector: SPD/SAT

Relinquished By: Susan Hilton Date/Time: 8/26/2015 12:30pm  
Received By: [Signature] Date/Time: 8/27/15 8:30am





**PLM & TEM BULK ASBESTOS ANALYSIS REPORT**  
**via NYSDOH ELAP Method 198.1, 198.4 and 198.6**

**Client:** Lu Engineers  
**Location:** Wayne County  
24 Church Street, Lyons, New York  
**Sample Date:** 8/25/2015

**Job No:** 11483-15  
**Page:** 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
2-D	78330	Room 204 East Wall	Gray Rough Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
2-E	78331	Room 202 North Wall	Gray Rough Coat Plaster	None Detected	0%		Not Required	N/A	Animal Hair 1%	99%
2-F	78332	Room 100 east Wall	Gray Rough Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
2-G	78333	Room 104 East Wall	Gray Rough Coat Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
3-A	78334	Room 300	Multiple Pattern Linoleum	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
3-B	78335	Room 300	Multiple Pattern Linoleum	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
4-A	78336	Room 300	Brown Tar Paper	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Trace Chrysotile <1.0%	<1.0%	Synthetic 1% Fiberglass <1.0%	99%
4-B	78337	Room 300	Brown Tar Paper	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Trace Chrysotile <1.0%	<1.0%	Fiberglass <1.0%	100%
5-A	78338	Room 304	Gray Linoleum With Black & Red	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
5-B	78339	Room 305	Gray Linoleum With Black & Red	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%



Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958**

**KEY TO NOB COLUMN SYMBOLS**

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

✓ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

# denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

\*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

**PLM Date Analyzed:** 9/1/2015

**TEM Date Analyzed:** 9/3/2015

**Microscope:** Olympus BH-2 #232953

**TEM Analyst:** F. Weinman

**Analyst:** T. Bush

**Laboratory Results Approved By:**  
**Asbestos Operations Manager or Designee**

Mary Dohr

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# Bulk Sample Chain of Custody



Lu Engineers

1/4/83-15

pg 12

<b>Project:</b> Pre-Demolition Asbestos Survey		<b>Lu Project #</b> 36507-09	
<b>Site Address:</b> Wayne County 24 Church Street, Lyons, New York		<b>Laboratory Name:</b> Paradigm Environmental Services	
<b>Results to:</b> Lu Engineers 175 Sullys Trail, Suite 202 Pittsford, NY 14534		<b>Laboratory Address:</b> 179 Lake Avenue Rochester, New York	
<b>Sample Type</b> <input checked="" type="checkbox"/> NYS ELAP PLM/TEM <input type="checkbox"/> PLM Only <input type="checkbox"/> TEM Only		<b>Turn Around Time</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 12 HR <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 Day	
<b>Comments:</b> Stop Positive			
Email: <a href="mailto:sue-hilton@luengineers.com">sue-hilton@luengineers.com</a> , <a href="mailto:sdavis@luengineers.com">sdavis@luengineers.com</a>			

FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
8330	ROOM 204-EAST WALL	GREY ROUGH COAT PLASTER	
331	ROOM 202 - NORTH WALL		
332	ROOM 100 - EAST WALL		
333	ROOM 104 - EAST WALL		
334	ROOM 300	MULTI PATTERN LINOLEUM	
335	ROOM 300	"	
336	ROOM 300	BROWN TARPAPER	
337	ROOM 300	"	
338	ROOM 304	GREY LINOLEUM w/ BLACK KRED	
339	ROOM 305	"	

Date Sampled: 8/25/2015  
Inspector: SRD/SAH

Relinquished By: Susan Hilton  
Received By: \_\_\_\_\_  
Date/Time: 8/26/2015 1238pm  
Date/Time: \_\_\_\_\_

175 Sullys Trail, Suite 202, Pittsford, NY 14534 | Ph 585.385.7417 | Fax 585.385.3741 | [luengineers.com](http://luengineers.com)  
Em 9/3/15





**PLM & TEM BULK ASBESTOS ANALYSIS REPORT**  
**via NYSDOH ELAP Method 198.1, 198.4 and 198.6**

**Client:** Lu Engineers  
**Location:** Wayne County  
24 Church Street, Lyons, New York  
**Sample Date:** 8/25/2015

**Job No:** 11484-15  
**Page:** 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
6-A	78340	Room 300	Black Cloth Electrical Wire	<1.0% Residue Remaining. PLM and TEM Not Required	N/A	✓	N/A	N/A	N/A	N/A
6-B	78341	Room 300	Black Cloth Electrical Wire	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
7-A	78342	Room 200	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 5%	95%
7-B	78343	Room 204 North Wall	Gray Drywall	None Detected	0%		Not Required	N/A	None Detected	100%
8-A	78344	Room 200	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%
8-B	78345	Room 204 North Wall	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%
9-A	78346	Room 200	Tan Fibrous Tape	None Detected	0%		Not Required	N/A	Cellulose 100%	0%
9-B	78347	Room 204 North Wall	Tan Fibrous Tape	None Detected	0%		Not Required	N/A	Cellulose 100%	0%
10-A	78348	Room 200	White Fibrous 2'x4' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 60%	40%
10-B	78349	Room 203	White Fibrous 2'x4' Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 60%	40%



Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958**

**KEY TO NOB COLUMN SYMBOLS**

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

√ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

# denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

\*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") per EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0).

**PLM Date Analyzed:** 9/1/2015

**TEM Date Analyzed:** 9/3/2015

**Microscope:** Olympus BH-2 #232953

**TEM Analyst:** F. Weinman

**Analyst:** T. Bush

**Laboratory Results Approved By:**  
**Asbestos Operations Manager or Designee**

**Mary Doherty**

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# Bulk Sample Chain of Custody



Lu Engineers

11484-15

8/3/12

<b>Project:</b> Pre-Demolition Asbestos Survey		<b>Lu Project #</b> 36507-09	
<b>Site Address:</b> Wayne County 24 Church Street, Lyons, New York		<b>Laboratory Name:</b> Paradigm Environmental Services	
<b>Results to:</b> Lu Engineers 175 Sullys Trail, Suite 202 Pittsford, NY 14534		<b>Laboratory Address:</b> 179 Lake Avenue Rochester, New York	
<b>Sample Type</b> <input checked="" type="checkbox"/> NYS ELAP PLM/TEM <input type="checkbox"/> PLM Only <input type="checkbox"/> TEM Only		<b>Turn Around Time</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 12 HR <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 Day	
<b>Email:</b> sue-hilton@luengineers.com, sdavis@luengineers.com		<b>Comments:</b> Stop Positive	

FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
18340 6-A	ROOM 200	BLACK CLOTH ELECTRICAL WIRE	
341 6-B	ROOM 300	"	
342 7-A	ROOM 200	GREY DRYWALL	
343 7-B	ROOM 204 - NORTH WALL	"	
344 8-A	ROOM 200	WHITE JOINT COMPOUND	
345 8-B	ROOM 204 - NORTH WALL	"	
346 9-A	ROOM 200	TAN TAPE	
347 9-B	ROOM 204 - NORTH WALL	"	
348 10-A	ROOM 200	2'x4' WHITE CEILING TILE	
349 10-B	ROOM 203	"	

Date Sampled: 8/25/2015  
 Inspector: SPD/SAT  
 Relinquished By: Susan Hilton  
 Received By: \_\_\_\_\_  
 Date/Time: 8/26/2015 1230pm  
 Date/Time: \_\_\_\_\_  
 175 Sullys Trail, Suite 202, Pittsford, NY 14534 | Ph 585.385.7417 | Fax 585.385.3741 | luengineers.com  
 Em 8/13/15



**PLM & TEM BULK ASBESTOS ANALYSIS REPORT**  
**via NYSDOH ELAP Method 198.1, 198.4 and 198.6**

**Client:** Lu Engineers  
**Location:** Wayne County  
 24 Church Street, Lyons, New York

**Job No: 11485-15**  
**Page: 1 of 2**

**Sample Date:** 8/25/2015

[illegible]

**Lab Code 200530-0 for PLM Analysis**

**ELAP ID No.: 10958**

### KEY TO NOB COLUMN SYMBOLS

**No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).**

**V** NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

√ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

# denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

**\*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

**PLM Date Analyzed:** 9/1/2015

**TEM Date Analyzed:** 9/3/2015

**Microscope:** Olympus BH-2 #232953

**TEM Analyst:** F. Weinman

**Analyst:** *T. Bush*

**Laboratory Results Approved By:**

**Asbestos Operations Manager or Designee**

Mary Doherty

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11485-15 9/3/2015



LuEngineers

11486-15

94712

Services

[illegible]

Date Sampled: 8/25/2015  
Inspector: SRD/sat

Relinquished By Susan Hiron Date/Time 8/26/2015 12:30pm  
Received By [Signature] Date/Time 8/27/15

175 Sullys Trail, Suite 202, Pittsford, NY 14534  
Ph 585 385 7417 | Fax 585.385.3741 | luengineers.com Em9/3/15

175 Sullys Trail, Suite 202, Pittsford, NY 14534





**PLM & TEM BULK ASBESTOS ANALYSIS REPORT**  
**via NYSDOH ELAP Method 198.1, 198.4 and 198.6**

**Client:** Lu Engineers  
**Location:** Wayne County  
24 Church Street, Lyons, New York  
**Sample Date:** 9/11/2015

**Job No:** 12326-15  
**Page:** 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
12-A	84405	Attic	Brown Fibrous Insulation	None Detected	0%		Not Required	N/A	Mineral Wool 95%	5%
12-B	84406	Attic	Brown Fibrous Insulation	None Detected	0%		Not Required	N/A	Mineral Wool 95%	5%
13-A	84407	Main Roof - South	Silver Fibrous Roof Coating	Chrysotile 15%	15%	✓	Not Required	N/A	None Detected	85%
13-B	84408	Main Roof - North	Silver Roof Coating	STOP	POSITIVE	✓	SAMPLE	NOT	ANALYZED	N/A
14-A	84409	Main Roof - South	Black Built-Up Roofing	Inconclusive No Asbestos Detected	0%	✓	Stop Positive ** No Tem	N/A	Fiberglass 5%	95%
14-B	84410	Main Roof - North	Black Built-Up Roofing	Chrysotile 3.8%	3.8%	✓	Not Required	N/A	None Detected	96.2%
15-A	84411	Main Roof - South	Silver Coating	Chrysotile 3.8%	3.8%	✓	Not Required	N/A	None Detected	96.2%
15-B	84412	Main Roof - North	Silver Coating	STOP	POSITIVE	✓	SAMPLE	NOT	ANALYZED	N/A
16-A	84413	Main Roof - South	Black Tar Paper	Inconclusive No Asbestos Detected	0%	✓	Stop Positive ** No Tem	N/A	None Detected	100%
16-B	84414	Main Roof - North	Black Tar Paper	Chrysotile 2.4%	2.4%	✓	Not Required	N/A	None Detected	97.6%



Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958**

**KEY TO NOB COLUMN SYMBOLS**

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

✓ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

# denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

\*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

**PLM Date Analyzed:** 9/16/2015

**TEM Date Analyzed:** N/A

**Microscope:** Olympus BH-2 #235757

**TEM Analyst:** N/A

**Analyst:** B. Weinman

**Laboratory Results Approved By:**  
**Asbestos Operations Manager or Designee**

Mary Doherty

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# Bulk Sample Chain of Custody



1232615  
10f3

Project: Pre-Demolition Asbestos Survey		Lu Project # 36507-09	
Site Address: Wayne County 24 Church Street, Lyons, New York		Laboratory Name: Paradigm Environmental Services	
Results to: Lu Engineers 175 Sullys Trail, Suite 202 Pittsford, NY 14534		Laboratory Address: 179 Lake Avenue Rochester, New York	
Sample Type <input checked="" type="checkbox"/> NYS ELAP PLM/TEM <input type="checkbox"/> PLM Only <input type="checkbox"/> TEM Only		Turn Around Time <input type="checkbox"/> Immediate <input type="checkbox"/> 12 HR <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 Day	
Email: sue-hilton@luengineers.com, sdavis@luengineers.com		Comments: Stop Positive	

FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
12-A	ATTIC	BROWN INSULATION	84405
12-B	ATTIC	"	406
13-A	MAIN ROOF - SOUTH	SILVER ROOF COATING	CORE #1 407
13-B	MAIN ROOF - NORTH	"	CORE #2 408
14-A	MAIN ROOF - SOUTH	BLACK BUILT UP ROOFING	CORE #1 X409X
14-B	MAIN ROOF - NORTH	"	CORE #2 410
15-A	MAIN ROOF - SOUTH	SILVER COATING	CORE #1 411
15-B	MAIN ROOF - NORTH	"	CORE #2 412
16-A	MAIN ROOF - SOUTH	BLACK TAR PAPER	CORE #1 X413X
16-B	MAIN ROOF - NORTH	"	CORE #2 414

Date Sampled: 9/11/2015  
Inspector: SPID/SAH

Relinquished By: Susan Hertz Date/Time: 9/11/2015 2:45 PM  
Received By: Kristen Cavanaugh Date/Time: 9/11/2015 3:39 PM

175 Sullys Trail, Suite 202, Pittsford, NY 14534 | Ph 585.385.7417 | Fax 585.385.3741 | luengineers.com  
SM 611211





**PLM & TEM BULK ASBESTOS ANALYSIS REPORT**  
**via NYSDOH ELAP Method 198.1, 198.4 and 198.6**

**Client:** Lu Engineers  
**Location:** Wayne County  
24 Church Street, Lyons, New York  
**Sample Date:** 9/11/2015

**Job No:** 12327-15  
**Page:** 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
17-A	84415	West Middle Chimney	Black Tar Curb Flashing	Chrysotile 8.4%	8.4%	✓	Not Required	N/A	None Detected	91.6%
17-B	84416	East North Chimney	Black Tar Curb Flashing	STOP	POSITIVE	✓	SAMPLE	NOT	ANALYZED	N/A
18-A	84417	East Parapet	Black Parapet Flashing	Chrysotile 1.3%	1.3%	✓	Not Required	N/A	None Detected	98.7%
18-B	84418	West Parapet	Black Parapet Flashing	STOP	POSITIVE	✓	SAMPLE	NOT	ANALYZED	N/A
19-A	84419	NW Window 3rd Floor	White Window Glaze	Chrysotile 6.6%	6.6%	#	Not Required	N/A	None Detected	93.4%
19-B	84420	Middle South Window 3rd Floor	White Window Glaze	STOP	POSITIVE	#	SAMPLE	NOT	ANALYZED	N/A
11B	84421	Room 205	Brown 12"x12" Pattern Tile	Inconclusive No Asbestos Detected	0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
20-A	84422	Room 100	Tan 12"x12" Floor Tile with Specks	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
20-B	84423	Room 102	Tan 12"x12" Floor Tile with Specks	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
21-A	84424	Room 100	Yellow Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%



Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958**

**KEY TO NOB COLUMN SYMBOLS**

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

✓ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

# denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

\*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0).

**PLM Date Analyzed:** 9/16/2015

**TEM Date Analyzed:** 9/17/2015

**Microscope:** Olympus BH-2 #235757

**TEM Analyst:** M. Lochner

**Analyst:** B. Weinman

**Laboratory Results Approved By:**  
**Asbestos Operations Manager or Designee**

Mary Doherty

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# Bulk Sample Chain of Custody



FOR INFORMATION • 858-201-1111 • FAX 585-385-3741

<b>Project:</b>	Pre-Demolition Asbestos Survey		<b>Lu Project #</b> 36507-09	12327-15
<b>Site Address:</b>	Wayne County 24 Church Street, Lyons, New York		<b>Laboratory Name:</b> Paradigm Environmental Services	dot 3
<b>Results to:</b>	<b>Sample Type</b>	<b>Laboratory Address:</b> 179 Lake Avenue Rochester, New York	<b>Comments:</b>	fin 9.14
<b>Lu Engineers</b> 175 Sullys Trail, Suite 202 Pittsford, NY 14534	<input checked="" type="checkbox"/> NYS ELAP PLM/TEM <input type="checkbox"/> PLM Only <input type="checkbox"/> TEM Only	<b>Turn Around Time</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 12 HR <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 Day	<b>Stop Positive</b>	
<b>Email:</b> sue-hilton@luengineers.com, sdavis@luengineers.com				

FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
17-A	WEST-MIDDLE CHIMNEY	BACK TAR CURB FLASHING	84415
17-B	EAST-NORTH CHIMNEY	"	416
18-A	EAST PARAPET	BACK PARAPET FLASHING	417
18-B	WEST PARAPET	"	418
19-A	NW WINDOW-3RD FLOOR	WHITE WINDOW GLAZE	419
19-B	MIDDLE SOUTH WINDOW-3RD FLOOR	"	420
11-B	ROOM 205	12x12" BROWN PATTERN TILE	421
20-A	ROOM 100	12x12 TAN FLOOR TILE WITH TAN SPECS	422
20-B	ROOM 102	"	423
21-A	ROOM 100	YELLOW PASTIC	424

**Date Sampled:** 9/11/2015  
**Inspector:** SDO/SAT  
**Relinquished By:** Susan Hilton  
**Date/Time:** 9/11/2015 2:45 PM  
**Received By:** Kristen Cavanaugh  
**Date/Time:** 9/11/2015 @ 3:39 PM  
 175 Sullys Trail, Suite 202, Pittsford, NY 14534 | Ph 585.385.7417 | Fax 585.385.3741 | luengineers.com  
 Cavanaugh





**PLM & TEM BULK ASBESTOS ANALYSIS REPORT**  
**via NYSDOH ELAP Method 198.1, 198.4 and 198.6**

**Client:** Lu Engineers  
**Location:** Wayne County  
24 Church Street, Lyons, New York  
**Sample Date:** 9/11/2015

**Job No:** 12328-15  
**Page:** 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
21-B	84425	Room 102	Yellow Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
22-A	84426	1st Floor SW Window	White Window Glazing	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
22-B	84427	1st Floor SE Window	White Window Glazing	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
23-A	84428	NW Window 2nd Floor	Gray Window Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
23-B	84429	NW Window 2nd Floor	Gray Window Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%



Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958**

**KEY TO NOB COLUMN SYMBOLS**

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

⌘ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

# denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

\*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

**PLM Date Analyzed:** 9/16/2015

**TEM Date Analyzed:** 9/18/2015

**Microscope:** Olympus BH-2 #235757

**TEM Analyst:** M. Lochner

**Analyst:** B. Weinman

**Laboratory Results Approved By:**  
**Asbestos Operations Manager or Designee**

Mary Doherty

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.



# Bulk Sample Chain of Custody



<b>Project:</b>	Pre-Demolition Asbestos Survey		<b>Lu Project #</b> 36507-09
<b>Site Address:</b>	Wayne County 24 Church Street, Lyons, New York		<b>Laboratory Name:</b> Paradigm Environmental Services
<b>Results to:</b>	Sample Type		<b>Laboratory Address:</b> 179 Lake Avenue Rochester, New York
<b>Lu Engineers</b> 175 Sullys Trail, Suite 202 Pittsford, NY 14534	<input checked="" type="checkbox"/> NYS ELAP PLM/TEM <input type="checkbox"/> PLM Only <input type="checkbox"/> TEM Only	Turn Around Time <input type="checkbox"/> Immediate <input type="checkbox"/> 12 HR <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 Day	Comments: Stop Positive
Email: <a href="mailto:sue-hilton@luengineers.com">sue-hilton@luengineers.com</a> , <a href="mailto:sdavis@luengineers.com">sdavis@luengineers.com</a>			

12328-15  
30+3  
9.14

FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
21-B	Room 102	YELLOW MASONRY	84425
22-A	1st Floor - SW Window	WHITE WINDOW GLAZING	426
22-B	1st Floor - SE Window	"	427
23-A	NW Window - 2nd Floor	Grey Window Caulk	428
23-B	NW Window - 2nd Floor	"	429

Date Sampled: 9/11/2015 Relinquished By: SKAHLER Date/Time: 9/11/2015 2:45 PM  
 Inspector: SPD/GAT Received By: Kuster Canaway Date/Time: 9/11/2015 3:40 PM  
 175 Sullys Trail, Suite 202, Pittsford, NY 14534 | Ph 585.385.7417 | Fax 585.385.3741 | [luengineers.com](http://luengineers.com)  
 E-mail: 9/11/2015





**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

*Analytical Report For*  
**Lu Engineers, Inc.**

*For Lab Project ID*

**153823**

*Referencing*

**36507-09, 24 Church St**

*Prepared*

**Wednesday, September 16, 2015**

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below:

***Reduced sample size used for PCB analysis due to limited sample volume.***

A handwritten signature in black ink, consisting of several overlapping, slanted strokes, positioned above a horizontal line.

**Certifies that this report has been approved by the Technical Director or Designee**

**179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958**

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

**Page 1 of 8**

***Report Prepared Wednesday, September 16, 2015***





Lab Project ID: 153823

Client: **Lu Engineers, Inc.**

Project Reference: 36507-09, 24 Church St

Sample Identifier: PCB-19

Lab Sample ID: 153823-01

Matrix: Caulk

Date Sampled: 9/11/2015

Date Received: 9/11/2015

**PCBs**

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
PCB-1016	< 4.63	mg/Kg		9/15/2015 19:47
PCB-1221	< 4.63	mg/Kg		9/15/2015 19:47
PCB-1232	< 4.63	mg/Kg		9/15/2015 19:47
PCB-1242	< 4.63	mg/Kg		9/15/2015 19:47
PCB-1248	< 4.63	mg/Kg		9/15/2015 19:47
PCB-1254	< 4.63	mg/Kg		9/15/2015 19:47
PCB-1260	< 4.63	mg/Kg		9/15/2015 19:47
PCB-1262	< 4.63	mg/Kg		9/15/2015 19:47
PCB-1268	< 4.63	mg/Kg		9/15/2015 19:47

<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
Decachlorobiphenyl	116	33.3 - 147		9/15/2015 19:47
Tetrachloro-m-xylene	77.6	4.91 - 155		9/15/2015 19:47

Method Reference(s): EPA 8082A

EPA 3550C

Preparation Date: 9/14/2015





Lab Project ID: 153823

Client: **Lu Engineers, Inc.**

Project Reference: 36507-09, 24 Church St

Sample Identifier: PCB-22

Lab Sample ID: 153823-02

Matrix: Caulk

Date Sampled: 9/11/2015

Date Received: 9/11/2015

**PCBs**

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
PCB-1016	< 6.71	mg/Kg		9/15/2015 20:10
PCB-1221	< 6.71	mg/Kg		9/15/2015 20:10
PCB-1232	< 6.71	mg/Kg		9/15/2015 20:10
PCB-1242	< 6.71	mg/Kg		9/15/2015 20:10
PCB-1248	< 6.71	mg/Kg		9/15/2015 20:10
PCB-1254	< 6.71	mg/Kg		9/15/2015 20:10
PCB-1260	< 6.71	mg/Kg		9/15/2015 20:10
PCB-1262	< 6.71	mg/Kg		9/15/2015 20:10
PCB-1268	< 6.71	mg/Kg		9/15/2015 20:10

<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
Decachlorobiphenyl	114	33.3 - 147		9/15/2015 20:10
Tetrachloro-m-xylene	75.0	4.91 - 155		9/15/2015 20:10

Method Reference(s): EPA 8082A

EPA 3550C

Preparation Date: 9/14/2015





Lab Project ID: 153823

Client: **Lu Engineers, Inc.**

Project Reference: 36507-09, 24 Church St

Sample Identifier: PCB-23

Lab Sample ID: 153823-03

Matrix: Caulk

Date Sampled: 9/11/2015

Date Received: 9/11/2015

**PCBs**

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
PCB-1016	< 4.39	mg/Kg		9/15/2015 20:33
PCB-1221	< 4.39	mg/Kg		9/15/2015 20:33
PCB-1232	< 4.39	mg/Kg		9/15/2015 20:33
PCB-1242	< 4.39	mg/Kg		9/15/2015 20:33
PCB-1248	< 4.39	mg/Kg		9/15/2015 20:33
PCB-1254	< 4.39	mg/Kg		9/15/2015 20:33
PCB-1260	< 4.39	mg/Kg		9/15/2015 20:33
PCB-1262	< 4.39	mg/Kg		9/15/2015 20:33
PCB-1268	< 4.39	mg/Kg		9/15/2015 20:33

<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
Decachlorobiphenyl	118	33.3 - 147		9/15/2015 20:33
Tetrachloro-m-xylene	79.2	4.91 - 155		9/15/2015 20:33

Method Reference(s): EPA 8082A

EPA 3550C

Preparation Date: 9/14/2015





**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*

*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

*"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.*

*"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.*



# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

<b>Warranty.</b>	Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.
<b>Scope and Compensation.</b>	<p>LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.</p> <p>Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.</p>
<b>Prices.</b>	Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.
<b>Limitations of Liability.</b>	<p>In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.</p> <p>LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.</p> <p>All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.</p> <p>Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.</p>
<b>Hazard Disclosure.</b>	Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.
<b>Sample Handling.</b>	<p>Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.</p> <p>Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.</p> <p>Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.</p> <p>LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.</p>
<b>Legal Responsibility.</b>	LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.
<b>Assignment.</b>	LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.
<b>Force Majeure.</b>	LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.
<b>Law.</b>	This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



2.f 2



## Chain of Custody Supplement

Client: Lu Engineers

Completed by: Glenn Pezzulo

Lab Project ID: 153823

Date: 9/11/15

### Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

NELAC compliance with the sample condition requirements upon receipt			
Condition	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Temperature	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments			
Sufficient Sample Quantity	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments	<u>lim vol. 02</u>		





179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

# CHAIN OF CUSTODY

1 of 2

INVOICE TO:

REPORT TO:

COMPANY: LIE ENGINEERS

ADDRESS: 175 SULLY ST. TRML

CITY: BUFFALO STATE: NY ZIP: 14203

PHONE: 741-7417 FAX: 305-3741

ATTN: SUE HULTON

COMPANY: Same

ADDRESS:

CITY: STATE: ZIP:

PHONE: FAX:

ATTN:

LAB PROJECT #: 153823

CLIENT PROJECT #: 36557-09

TURNAROUND TIME: (WORKING DAYS)

STD 1 2 3 5

OTHER

Quotation #

PROJECT NAME/SITE NAME: 24C HORTON ST

COMMENTS:

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANT	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	9/11/15	AM	X	PCB-19	CAULK	1	X	01
2	9/11/15	AM	X	PCB-22	CAULK	1	X	02
3	9/11/15	AM	X	PCB-23	CAULK	1	X	03
4								
5								
6								
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAP 210/241/242/243/244

Comments:	Container Type:	Y	N	Y	N	
Comments:	Preservation:	Y	N	Y	N	
Comments:	Holding Time:	Y	N	Y	N	
Comments:	Temperature:	22°C	9/11/15	15:54	Y	N

Sampled By: DAN	Date/Time: 9/11/15	Total Cost:
Relinquished By: [Signature]	Date/Time: 9/11/15 2:00	
Received By: [Signature]	Date/Time: 9/11/15 2:45	
Received @ Lab By: [Signature]	Date/Time: 9/11/15 15:54	P.I.F.



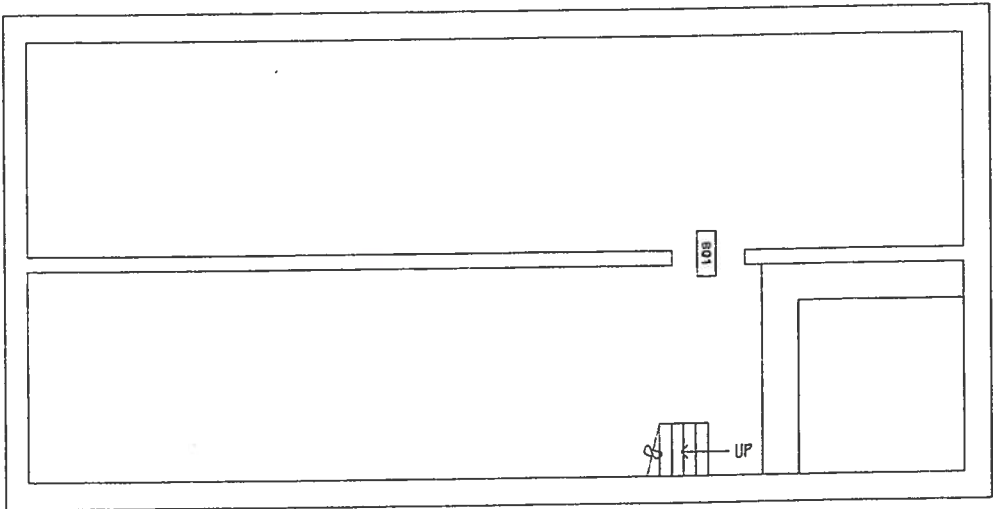
*ATTACHMENT D*

*Asbestos Location Plans  
And Asbestos Inspection Summary Table*

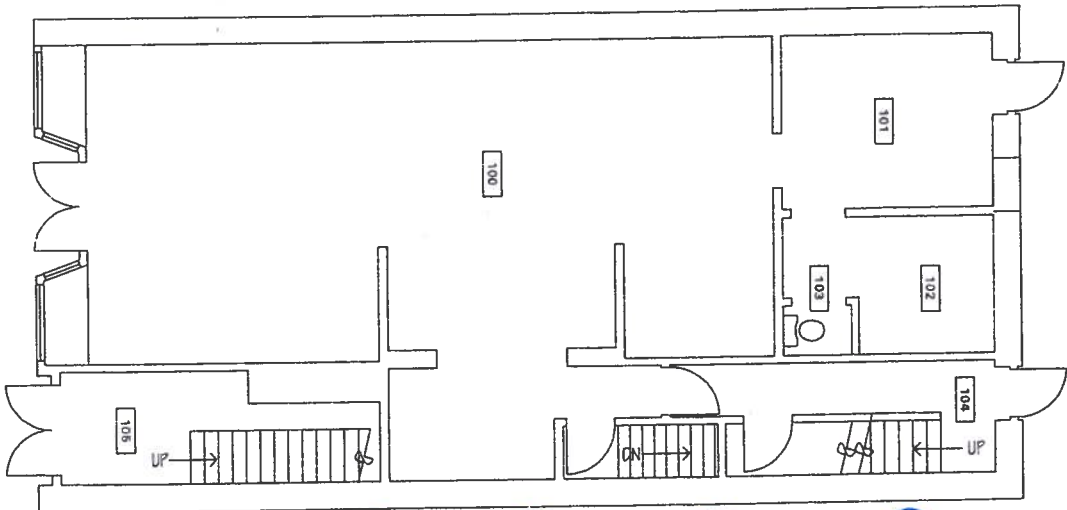
PRE-DEMOLITION  
ASBESTOS and PCB CAULK SURVEY

WAYNE COUNTY  
24 CHURCH STREET  
LYONS, NEW YORK

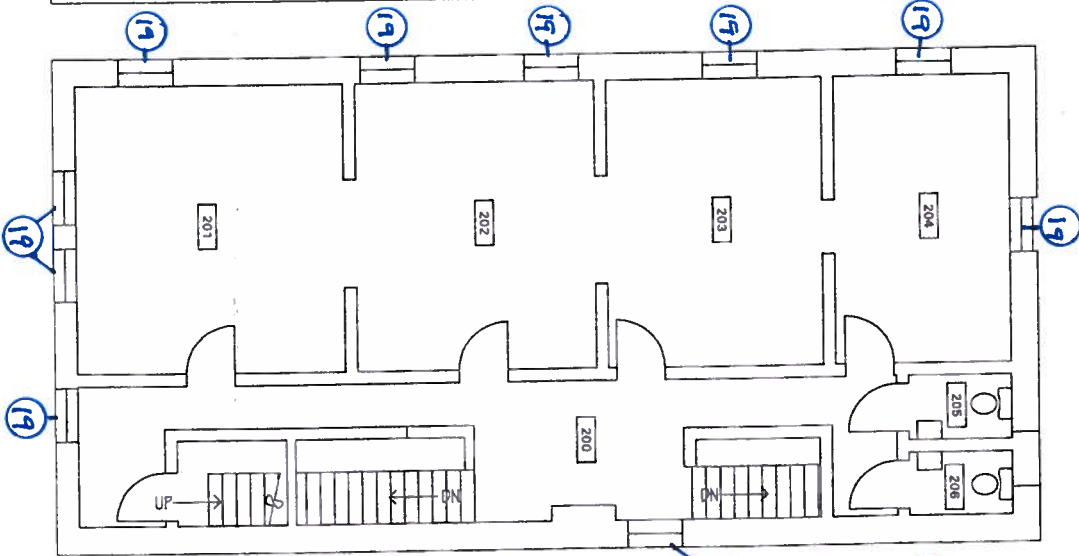




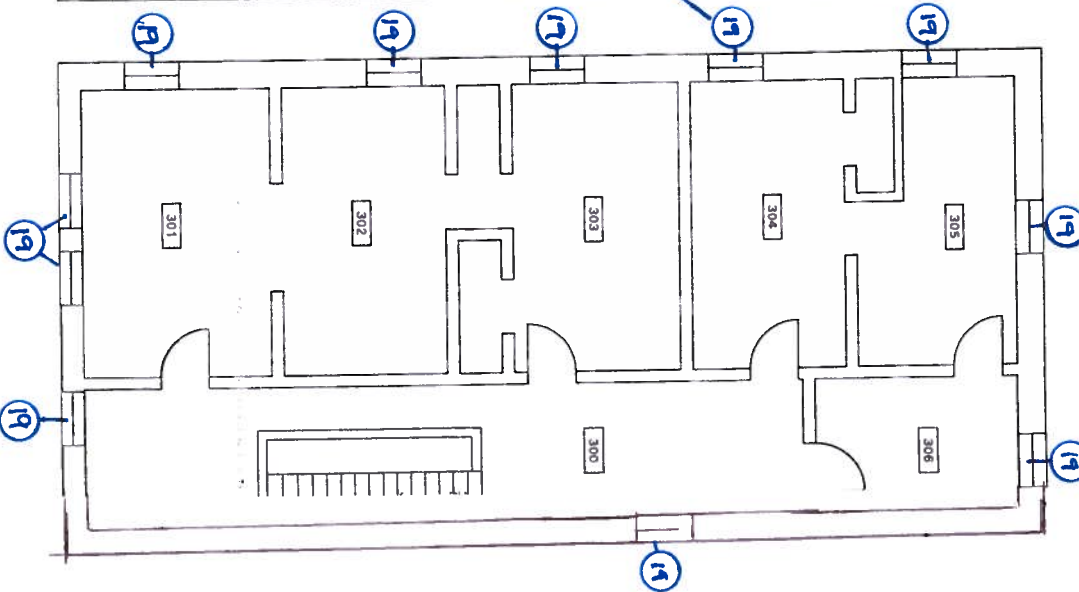
**BASEMENT PLAN**  
1/4" = 1'-0"



**FIRST FLOOR PLAN**  
1/4" = 1'-0"



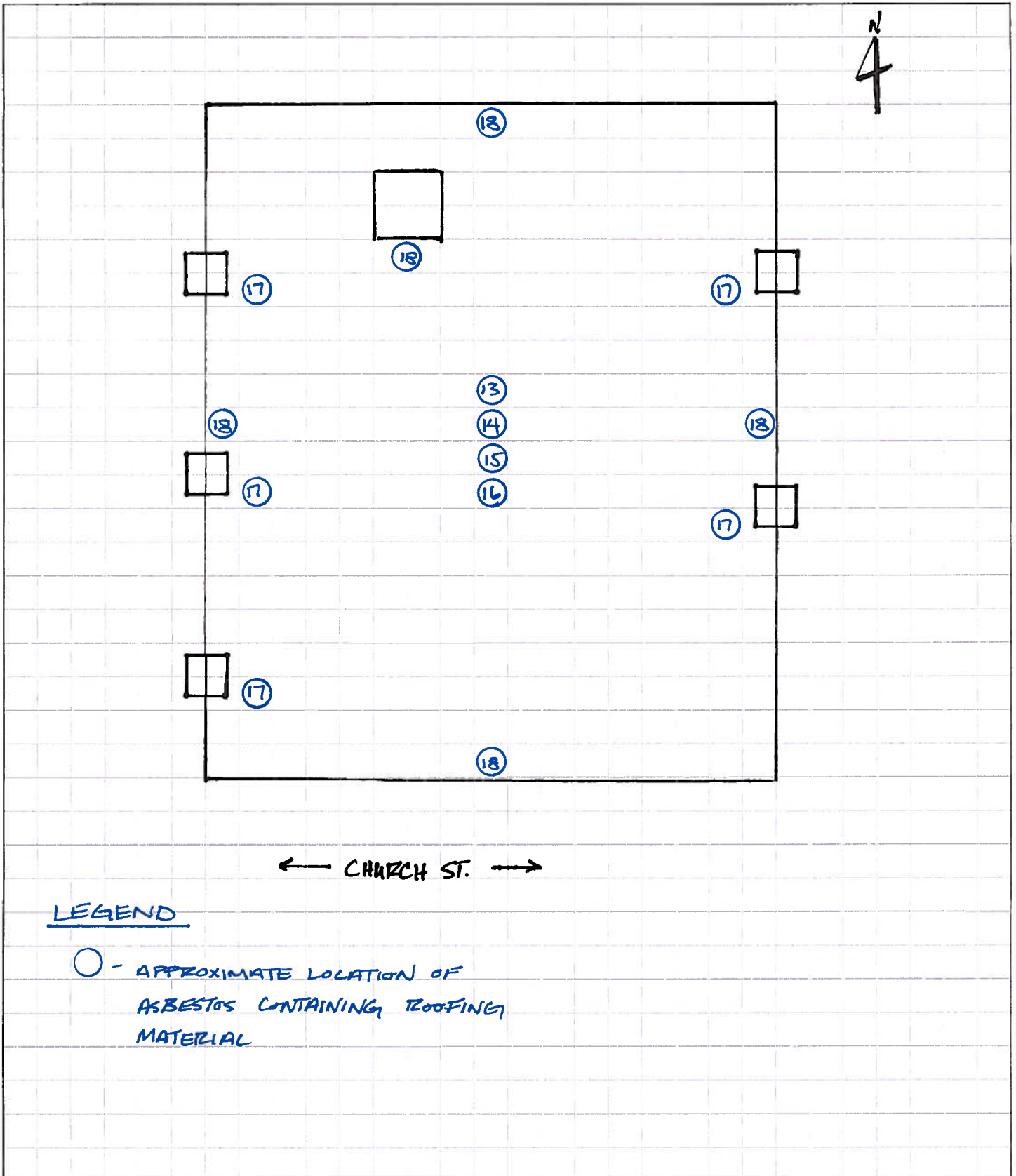
**SECOND FLOOR PLAN**  
1/4" = 1'-0"



**THIRD FLOOR PLAN**  
1/4" = 1'-0"

LEGEND  
○ - APPROXIMATE LOCATION  
OF ASBESTOS CONTAINING  
WINDOW GLAZING







**Asbestos Inspection Summary Table**  
**Wayne County Demolition Project**  
**24 Church Street**  
**Lyons, New York**

<u>Homogeneous Area Description</u>	<u>Homogeneous Area ID No.</u>	<u>Room ID No. &amp; Location</u>	<u>Tested or Assumed</u>	<u>ACM (Y/N)</u>	<u>Approx. Quantity</u>
Silver Roof Coating	13	Main Roof	Tested	Y	1,570 SF
				<b>Total:</b>	<b>1,570 SF</b>
Black Built-up Roofing	14	Main Roof	Tested	Y	1,570 SF
				<b>Total:</b>	<b>1,570 SF</b>
Silver Coating	15	Main Roof	Tested	Y	1,570 SF
				<b>Total:</b>	<b>1,570 SF</b>
Black Tar Paper	16	Main Roof	Tested	Y	1,570 SF
				<b>Total:</b>	<b>1,570 SF</b>
Black Tar Curb Flashing	17	Chimney Flashing	Tested	Y	60 SF
				<b>Total:</b>	<b>60 SF</b>
Black Parapet Flashing	18	On Parapet	Tested	Y	336 SF
				<b>Total:</b>	<b>336 SF</b>
White Window Glaze	19	Second Floor Windows Third Floor Windows	Tested	Y	246 LF
				<b>Total:</b>	<b>516 LF</b>
Black Tar Roof Flashing	24	East Side of Building North Side of Building	Tested	Y	112 SF
				<b>Total:</b>	<b>23 SF</b>
					<b>135 SF</b>