



46555 Humboldt Dr. Ste. 100
Novi, MI 48377
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Client Name:	City of Kalamazoo
Project Name:	Residential Asbestos Survey
Project Number:	188BS24020
Project Site Address (Subject Property):	1344 East Main Street, Kalamazoo, Michigan 49048
Date of Site Visit:	January 12, 2024
Asbestos Inspection Performed by:	Andrew DeLodder (A48677)
Asbestos Inspector's Signature:	<i>Andrew DeLodder</i>
Areas Not Accessible:	Entire Interior of House
Number of Floors:	2
Asbestos Present (Yes/No/Other):	Yes

On the date indicated above, State of Michigan Asbestos Inspector, Andrew DeLodder (A48677) from Atlas Technical Consultants, conducted a limited pre-demolition asbestos and other regulated materials inspection of the subject unoccupied residential property. Due to severe fire damage, the interior of the house was not inspected due to safety concern regarding the structural integrity of the house.

Table I identifies materials that were found to contain asbestos in concentrations greater than 1% and therefore are regulated under the rules of asbestos in the State of Michigan.

TABLE I
Asbestos-Containing Materials

ID#	MATERIAL	QUANTITY	LOCATION	RESULT	NESHAP CATEGORY
2-TS-A,B,C	Transite Siding	1950 SF	EA-1,2,3,4	PLM 10% Chrysotile	CAT II
8-EC-A,B,C	Exterior caulk - Grey, Over wood siding, door/window trim, roofline	175 LF	EA-1,2,3,4	PLM 3% Chrysotile	CAT II

The purpose of this inspection was to task an accredited asbestos inspector to complete a pre-demolition asbestos and hazardous material survey of the subject site, and provide recommendation options for removal and disposal of identified hazardous/regulated materials prior to demolition of the building(s). The asbestos inspection consisted of the following three basic procedures: conducting a visual inspection of the structure, Identifying homogeneous areas (HAs) of suspect surfacing, thermal system insulation, and miscellaneous materials; and sampling identified friable and non-friable suspect materials.

Bulk samples of suspect ACMs were collected and placed into individual containers for transport under Chain of Custody (COC) to a National Voluntary Lab Accreditation Program (NVLAP)-accredited laboratory for analysis. Materials typically known as non-asbestos items (i.e. fibrous glass, foam rubber, wood, etc.) were not sampled.

Laboratory Reports and associated COC's are provided in **Attachment A**. Photographs of the site are included in **Attachment B**. The following sections summarize Atlas' findings. Table II below identifies the suspect asbestos-containing materials identified during the survey, their locations, approximate quantity, type and percentage of asbestos.

TABLE II
Suspect Asbestos-Containing Materials

HA/ID#	MATERIAL	QUANTITY	LOCATION	RESULT
1-RM-A,B,C	Roofing materials, Asphalt shingle	950 SF	EA-5	ND
2-TS-A,B,C	Transite Siding	1950 SF	EA-1,2,3,4	PLM 10% Chrysotile
3-VP-A,B,C	Vapor paper - Brownish red, under wood siding	1950 SF	EA-1,2,3,4	ND
4-VP-A,B,C	Vapor paper - Black, under transite siding	1950 SF	EA-1,2,3,4	ND

5-VP-A,B,C	Vapor paper - Black, under transite siding seams	600 SF	EA-1,2,3,4	ND
6-EC-A,B,C	Exterior caulk - off-white, Over transite siding, door/window trim, roofline	175 LF	EA-1,2,3,4	ND
7-EC-A,B,C	Exterior caulk - White, perimeter of basement window frame	10 LF	EA-4	ND
8-EC-A,B,C	Exterior caulk - Grey, Over wood siding, door/window trim, roofline	175 LF	EA-1,2,3,4	PLM 3% Chrysotile
9-WG-A,B,C	Window glaze – Basement wood windows, white	4 windows	EA-2,3,4	ND
10-WG-A,B,C	Window glaze - 1st floor wood windows, off-white	17 windows	EA-1,2,3,4	ND
11-BM-A,B,C	Brick mortar – Exterior stone and mortar foundation	1200 SF	EA-1,2,3,4	ND
12-CC-A,B,C	Concrete chip - Exterior concrete	60 SF	EA-1,3,4	ND

ND = No asbestos detected, **NA** = Not applicable, **UNQ** = Unquantified; **PC** = Point Count

No other suspect ACMs were observed on the site. Although not anticipated based on surface observations, underground structures that could contain ACM may be present and should be managed accordingly if encountered during site redevelopment.

Asbestos is a hazardous substance. Its condition, handling and disposal are regulated by federal, state, and local agencies. ACMs generally do not pose a health threat unless the asbestos fibers are disturbed, become airborne and are inhaled.

Contractors working in an area where asbestos is present must be informed of the type and location of ACMs. Abatement of ACMs, including non-friable ACMs, must be performed by a Michigan licensed, certified and registered asbestos abatement contractor in accordance with state and federal Occupational Safety and Health Administration (OSHA) and local air quality management regulations.

Table III below lists Other Regulated Materials/Universal Wastes identified during the survey.

**TABLE III
Other Regulated Materials/Universal Wastes**

MATERIAL	LOCATION	APPROXIMATE QUANTITY
Misc. Items (Glue, Solvents, Cleaners, etc.)	EA-1,3,4	6
Paint Cans	EA-1, 3	5
Exterior debris piles and/or evidence of dumping (Household wastes, foliage/trees, tires, and/or construction debris).	EA-4	3 CY

Table IV below lists the functional spaces identified during the survey.

Table IV
Functional Space/ Exterior Area Designations

DESCRIPTION	DESIGNATION
Exterior Areas	
House Front	EA- 1
House Left Side	EA- 2
House Right Side	EA- 3
House Rear	EA- 4

RECOMMENDATIONS:

Except for the following items listed below, Section 61.145(c) of the Asbestos NESHAP requires that each owner or operator of a demolition or demolition activity involving RACM remove all such material from a facility being demolished or renovated before any activity begins that would break up, dislodge, or similarly disturb the material or preclude access to the material for subsequent removal.

ACM need not be removed before demolition if it:

- (i) Is a Category I non-friable ACM that is not friable.
- (ii) Is on a facility component that is encased in concrete or other similarly hard material and is adequately wet whenever exposed during demolition.
- (iii) Was not accessible for testing and therefore was not discovered until after demolition began and, as a result of the demolition, cannot be safely removed. If not removed for safety reasons, the exposed RACM and any asbestos-contaminated debris must be treated as asbestos-containing waste material and kept adequately wet at all times until disposed of.
- (iv) Is a Category II non-friable ACM and the probability is low that the material will become crumbled, pulverized, or reduced to powder during demolition.

Demolition with Roofing Materials in place is covered under the NESHAP regulations (40 CFR Part 61 Subpart M).

Roofing materials that were not tested during this inspection should be assumed to be Category I asbestos-containing roofing materials.

Since demolition activities do not include sanding, grinding, cutting, or abrading, Category I asbestos-containing roofing materials not in poor condition and not friable are not considered RACM, and are allowed to remain in place during demolition.

If the asbestos-containing roofing material is not in poor condition and is not friable, it may be disposed of in a landfill which accepts ordinary demolition waste.

The asbestos-containing roofing material may not be ground up for recycling into other products.

*If joint compound within the drywall system is identified as positive, a composite sample was analyzed per NESHAP. If the drywall system as a composite sample is less than 1% asbestos, the material is not considered RACM per NESHAP. However, OSHA requirements regarding materials containing less than 1% asbestos still apply, and contractors performing work should ensure they comply with the requirements if the material is not removed prior to demolition.

In addition, contractors should ensure they follow all OSHA regulations pertaining to demolition / demolition of Category I Asbestos-containing materials. Category I or II non-friable ACM that is not subject to 61.150(a)(3) would still have to be disposed of in a landfill that accepts building debris, in a landfill that operates in accordance with 61.154, or at a facility that operates in accordance with 61.155.

Prior to demolition, the following is recommended:

An asbestos abatement company, licensed in the State of Michigan should remove the materials identified as asbestos containing in Table I in accordance with all applicable Local, State, and Federal Requirements prior to demolition.

Other Regulated Materials/Universal Wastes, identified in Table III, must be transported and disposed in accordance with all applicable Local, State, and Federal Requirements prior to demolition.

LIMITATIONS:

The results, findings, conclusions, and recommendations expressed in the report are based only on conditions that were noted during Atlas' inspection of the vacant above-referenced property located in Kalamazoo, Michigan.

Any conditions or materials that could not be visually identified through limited destructive sampling were not inspected and may differ from those conditions or materials noted. The user of this report should keep in mind that conditions may change with time and observations made by Atlas at the time of the site reconnaissance may not be consistent with future observations made by others.

Additional materials may be encountered during the demolition process and may require further sampling to determine disposal criteria.

The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos abatement contractors in locating asbestos building materials and Other Regulated Materials/Universal Wastes to be removed prior to demolition activities.

Under no circumstances is the report to be utilized as a bidding document or as a project specification document. Contractors bidding the demolition of this site should field-verify project information.

Atlas appreciates the opportunity to be of service to the City of Kalamazoo on this project. In the meantime, if you have questions regarding the information in this report or if we can be of further assistance do not hesitate to contact our office at (248) 669-5140.

ATTACHMENT A

LABORATORY REPORTS AND CHAIN OF CUSTODY



To: Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi, Michigan 48377

ETL Job: 265617
Client Project: 188BS24020

Attention: Robert Smith
Project Location: 1344 East Main Street, Kalamazoo, MI 49048

Lab Sample Number	Client Sample Number	Sample Type	Completed
1614513	01-RM-A	Asbestos	01/18/2024
1614514	01-RM-B	Asbestos	01/18/2024
1614515	01-RM-C	Asbestos	01/18/2024
1614516	02-TS-A	Asbestos	01/18/2024
1614517	02-TS-B	Asbestos	01/18/2024
1614518	02-TS-C	Asbestos	01/18/2024
1614519	03-VP-A	Asbestos	01/18/2024
1614520	03-VP-B	Asbestos	01/18/2024
1614521	03-VP-C	Asbestos	01/18/2024
1614522	04-VP-A	Asbestos	01/18/2024
1614523	04-VP-B	Asbestos	01/18/2024
1614524	04-VP-C	Asbestos	01/18/2024
1614525	05-VP-A	Asbestos	01/18/2024
1614526	05-VP-B	Asbestos	01/18/2024
1614527	05-VP-C	Asbestos	01/18/2024
1614528	06-EC-A	Asbestos	01/18/2024

Lab Sample Number	Client Sample Number	Sample Type	Completed
1614529	06-EC-B	Asbestos	01/18/2024
1614530	06-EC-C	Asbestos	01/18/2024
1614531	07-EC-A	Asbestos	01/18/2024
1614532	07-EC-B	Asbestos	01/18/2024
1614533	07-EC-C	Asbestos	01/18/2024
1614534	08-EC-A	Asbestos	01/18/2024
1614535	08-EC-B	Asbestos	01/18/2024
1614536	08-EC-C	Asbestos	01/18/2024
1614537	09-WG-A	Asbestos	01/18/2024
1614538	09-WG-B	Asbestos	01/18/2024
1614539	09-WG-C	Asbestos	01/18/2024
1614540	10-WG-A	Asbestos	01/18/2024
1614541	10-WG-B	Asbestos	01/18/2024
1614542	10-WG-C	Asbestos	01/18/2024
1614543	11-BM-A	Asbestos	01/18/2024
1614544	11-BM-B	Asbestos	01/18/2024
1614545	11-BM-C	Asbestos	01/18/2024
1614546	12-CC-A	Asbestos	01/18/2024
1614547	12-CC-B	Asbestos	01/18/2024
1614548	12-CC-C	Asbestos	01/18/2024

Reviewed by: *Madeline Palmer*
 Madeline Palmer

Summary

Method	Sample	Layer	Mastic
PLM	35		

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
 46555 Humboldt Dr. Suite 100
 Novi, Michigan 48377

ETL Job : 265617
Client Project : 188BS24020
Date Collected : 01/12/2024
Date Received : 01/17/2024

Location : 1344 East Main Street, Kalamazoo, MI 49048

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1614513 01-RM-A	Asphalt Shingle	Black Fibrous Homogenous	PLM 2% Cellulose PLM 2% Fiberglass	PLM 96% Other	PLM None Detected

Layer-1 Analyst: Chris Canilao
 Date Analyzed : 01/18/2024

1614513 01-RM-A	Asphalt Shingle	Brown/Green Fibrous Homogenous	PLM 2% Cellulose PLM 2% Fiberglass	PLM 96% Other	PLM None Detected
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Layer-2 Analyst: Chris Canilao
 Date Analyzed : 01/18/2024

1614514 01-RM-B	Asphalt Shingle	Black Fibrous Homogenous	PLM 2% Cellulose PLM 5% Fiberglass	PLM 93% Other	PLM None Detected
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Layer-1 Analyst: Chris Canilao
 Date Analyzed : 01/18/2024

1614514 01-RM-B	Asphalt Shingle	Brown/Green Fibrous Homogenous	PLM 2% Cellulose PLM 5% Fiberglass	PLM 93% Other	PLM None Detected
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Layer-2 Analyst: Chris Canilao
 Date Analyzed : 01/18/2024

1614515 01-RM-C	Asphalt Shingle	Black Fibrous Homogenous	PLM 2% Cellulose PLM 3% Fiberglass	PLM 95% Other	PLM None Detected
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Layer-1 Analyst: Chris Canilao
 Date Analyzed : 01/18/2024

1614515 01-RM-C	Asphalt Shingle	Brown/Green Fibrous Homogenous	PLM 2% Cellulose PLM 5% Fiberglass	PLM 93% Other	PLM None Detected
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Layer-2 Analyst: Chris Canilao
 Date Analyzed : 01/18/2024

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
 46555 Humboldt Dr. Suite 100
 Novi, Michigan 48377

Location : 1344 East Main Street, Kalamazoo, MI 49048

ETL Job : 265617
Client Project : 188BS24020
Date Collected : 01/12/2024
Date Received : 01/17/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1614516 02-TS-A	Transite Siding	Gray Non-Fibrous Homogenous	PLM 10% Cellulose	PLM 80% Other	PLM 10% Chrysotile
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614517 02-TS-B		Positive Stop			
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024 Layer Not Analyzed					
1614518 02-TS-C		Positive Stop			
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024 Layer Not Analyzed					
1614519 03-VP-A	Vapor Paper	Brown Fibrous Homogenous	PLM 98% Cellulose	PLM 2% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614520 03-VP-B	Vapor Paper	Brown Fibrous Homogenous	PLM 98% Cellulose	PLM 2% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614521 03-VP-C	Vapor Paper	Brown Fibrous Homogenous	PLM 98% Cellulose	PLM 2% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					

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Polarized Light Microscopy Asbestos Analysis Report

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 46555 Humboldt Dr. Suite 100
 Novi, Michigan 48377

ETL Job : 265617
Client Project : 188BS24020
Date Collected : 01/12/2024
Date Received : 01/17/2024

Location : 1344 East Main Street, Kalamazoo, MI 49048

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1614522 04-VP-A	Vapor Paper	Black Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614523 04-VP-B	Vapor Paper	Black Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614524 04-VP-C	Vapor Paper	Black Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614525 05-VP-A	Vapor Paper	Black Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614526 05-VP-B	Vapor Paper	Black Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614527 05-VP-C	Vapor Paper	Black Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					

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To : Atlas - Novi
 46555 Humboldt Dr. Suite 100
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Location : 1344 East Main Street, Kalamazoo, MI 49048

ETL Job : 265617
Client Project : 188BS24020
Date Collected : 01/12/2024
Date Received : 01/17/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1614528 06-EC-A	Exterior Caulk	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614529 06-EC-B	Exterior Caulk	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614530 06-EC-C	Exterior Caulk	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614531 07-EC-A	Exterior Caulk	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614532 07-EC-B	Exterior Caulk	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614533 07-EC-C	Exterior Caulk	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1614534 08-EC-A	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 92% Other	PLM 3% Chrysotile
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614535 08-EC-B		Positive Stop			
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024 Layer Not Analyzed					
1614536 08-EC-C		Positive Stop			
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024 Layer Not Analyzed					
1614537 09-WG-A	Window Glaze	White Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614538 09-WG-B	Window Glaze	White Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614539 09-WG-C	Window Glaze	White Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1614540 10-WG-A	Window Glaze	White Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614541 10-WG-B	Window Glaze	White Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614542 10-WG-C	Window Glaze	White Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614543 11-BM-A	Brick Mortar	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614544 11-BM-B	Brick Mortar	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614545 11-BM-C	Brick Mortar	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1614546 12-CC-A	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614547 12-CC-B	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					
1614548 12-CC-C	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 01/18/2024					


 Lab Supervisor/Other Signatory

Analyst:

 Chris Canilao

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC")
 Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples
 Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples
 EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials
 EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples
 A % Asbestos result of "Trace" indicates that the analyzed material was found to contain less than 1% asbestos and would not be considered an Asbestos Containing Material (ACM).

ETL, Inc. maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced without written approval by ETL, Inc. Test Method EPA 600/R-93-116 & EPA 600/M4-82/020 or NYSDOH-ELAP item 198.1 and/or 198.6 was used to analyze all samples. Matrix interference and/or resolution limits (i.e. detecting asbestos in non-friable organically bound materials) may yield false results in certain circumstances. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing. Interpretation and use of test results are the responsibility of the client. ETL, Inc. is not responsible for the accuracy of the results when requested to physically separate and analyze layered samples. Any PLM results below 10% should be re-analyzed using the EPA recommended Point Count method. Any material that has greater than 1% asbestos content is considered to be an Asbestos Containing Material (ACM). These materials are regulated by both OSHA and the EPA and must be treated accordingly. Results are related to only to samples that were tested. An estimate of uncertainty can be provided at the client's request.

ENVIRONMENTAL TESTING LABORATORIES, INC

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**Bulk Asbestos
 Chain of Custody**

ETL Project #: 265617

Client:	Atlas Technical Consultants	Contact: Rob Smith	Project Location/name: 1344 EAST MAIN STREET, KALAMAZOO, MICHIGAN 49048
		Phone: 248-669-5140	
Address:	46555 Humboldt Dr. Ste. 100 Novi, MI 48377	Fax: 248-669-5147	Client Project #: 188B524020
		E-mail:	Date Sampled: 1/12/2024

Turnaround Time (TAT): RUSH Same Day 24 hr 48 hr Standard (3-5 days) Other 72 hours

PLM Instructions (Check all that apply)	
<input checked="" type="checkbox"/> PLM EPA600/R-93/116, 1993 (Standard method)	<input checked="" type="checkbox"/> Stop at 1st Positive -
Point Counting: <input type="checkbox"/> 400 Points* <input type="checkbox"/> NYSDOH ELAP 198.1, 2002*	Clearly mark Homogenous Group
<input type="checkbox"/> Gravimetric Reduction* <input type="checkbox"/> NYSDOH ELAP 198.6, 2010*	
<input type="checkbox"/> PLM Non-Building Material (Dust, Wipe, Tape)	<input type="checkbox"/> Soil or Vermiculite Analysis*

* Additional charge and turnaround may be required

Lab ID	Sample ID	Material Description	Sample Location	Quantity
513 514 515	1-RM-A,B,C	Roofing materials, asphalt shingle	EA-5	950 SF
516 517 518	2-TS-A,B,C	Transite siding	EA-1,2,3,4	1950 SF
519 520 521	3-VP-A,B,C	Vapor paper - brownish red, under wood siding	EA-1,2,3,4	1950 SF
522 523 524	4-VP-A,B,C	Vapor paper - black, under transite siding	EA-1,2,3,4	1950 SF
525 526 527	5-VP-A,B,C	Vapor paper - black, under transite siding seams	EA-1,2,3,4	600 SF
528 529 530	6-EC-A,B,C	Exterior caulk - off-white, over transite siding, door/window trim, roofline	EA-1,2,3,4	175 LF
531 532 533	7-EC-A,B,C	Exterior caulk - white, perimeter of basement window frame	EA-4	10 LF
534 535 536	8-EC-A,B,C	Exterior caulk - grey, over wood siding, door/window trim, roofline	EA-1,2,3,4	175 LF
537 538 539	9-WG-A,B,C	Window glaze - basement wood windows, white	EA-2,3,4	4 windows
540 541 542	10-WG-A,B,C	Window glaze - 1st floor wood windows, off-white	EA-1,2,3,4	17 windows
543 544 545	11-BM-A,B,C	Brick mortar - exterior stone and mortar foundation	EA-1,2,3,4	1200 SF
546 547 548	12-CC-A,B,C	Concrete chip - exterior concrete	EA-1,3,4	60 SF

	Date	Time
Relinquished (Name/Organization): Andrew DeLodder / Atlas Technical Consultants	1/15/2024	1200 am/pm
Received (Name/ETL): <i>Rocya Lopez</i>	1-17-24	10:10 am/pm
Sample Login (Name/ETL): <i>[Signature]</i>	1-17-24	11:35 am/pm
Stereoscopic/Sample Analysis (Name/ETL): <i>[Signature]</i>	1-18-24	3:45 am/pm
Results (Name/ETL): <i>[Signature]</i>	1-18-24	3:45 am/pm
QA/QC Review (Name/ETL): <i>[Signature]</i>	1-22-24	2:15 am/pm

<p>Special Instructions:</p> <ul style="list-style-type: none"> • 1st Positive Stop; • Composite all drywall/joint compound samples if any layer of system is greater than 1% asbestos; • Point Count ALL PLASTER samples Trace to 3% asbestos content • Point Count ALL SAMPLES Trace to 1% asbestos content 	Remarks
--	---------

**IN ORDER TO ENSURE RESULTS BY SPECIFIED TAT, THE LAB MUST BE EMAILED/CALLED WITH THE QUANTITY OF SAMPLES TO BE SHIPPED OR DROPPED OFF

ATTACHMENT B
PHOTOGRAPHS

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1344 EAST MAIN STREET
KALAMAZOO, MI 49048



Street view of the house located at 1344 East Main Street (EA-1)



View of the left side of the house (EA-2)

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1344 EAST MAIN STREET
KALAMAZOO, MI 49048



View of the rear of the house (EA-3)



View of the right side of the house (EA-4)

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1344 EAST MAIN STREET
KALAMAZOO, MI 49048



View of the roof (EA-5)



View of the house interior (FS-1)

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1344 EAST MAIN STREET
KALAMAZOO, MI 49048



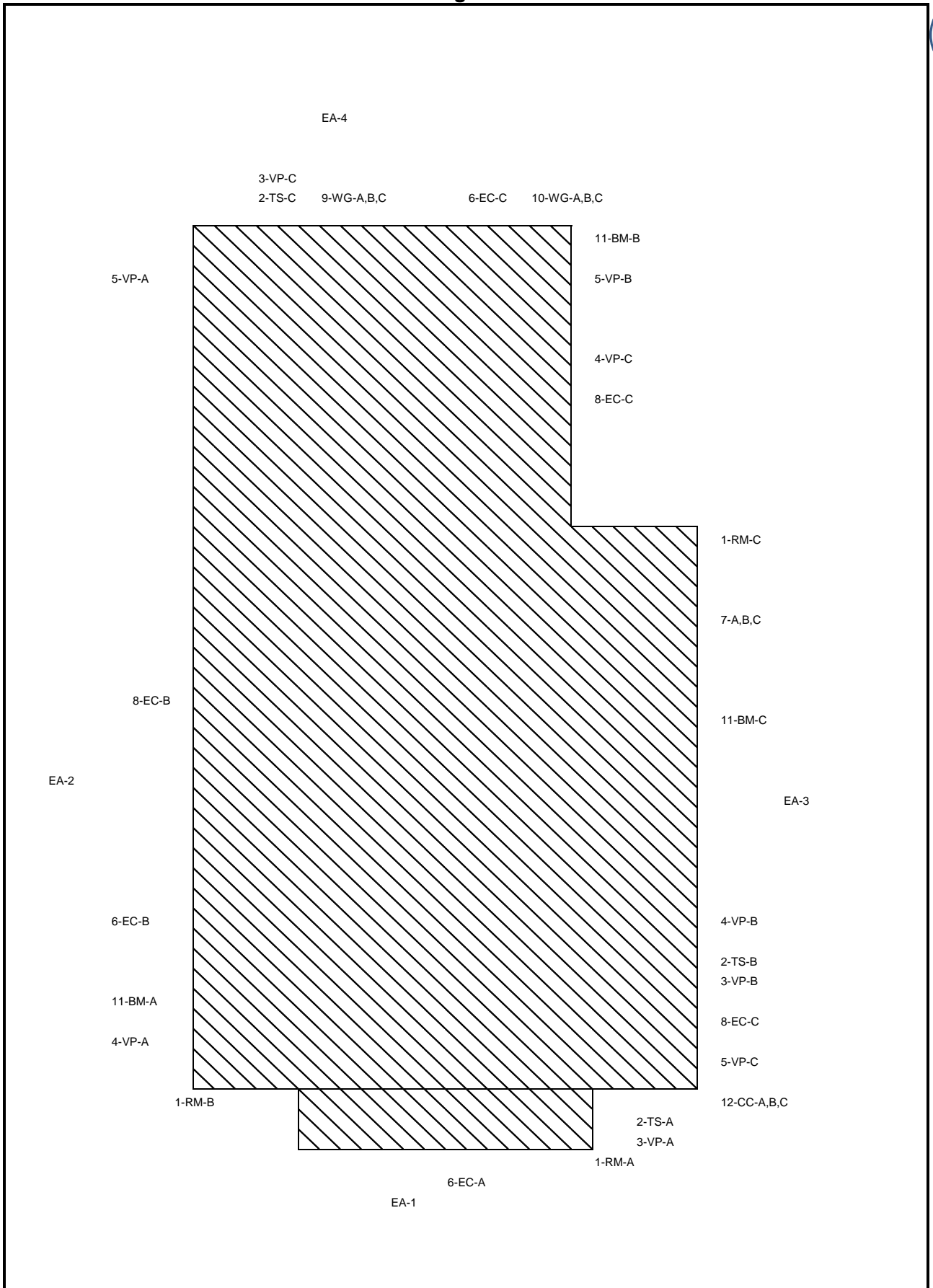
View of the fire damaged 2nd floor joists



View of the fire damaged 2nd floor joists continued

ATTACHMENT C
FUNCTIONAL SPACE MAPS

Building Exterior



Street Address: 1344 East Main Street, Kalamazoo, Michigan

Inaccessible
