




46555 Humboldt Dr. Ste. 100
Novi, MI 48377
(248) 669-5140 | oneatlas.com



Client Name:	City of Kalamazoo
Project Name:	Commercial Building Asbestos Survey
Project Number:	188BS23419
Project Site Address (Subject Property):	1423 N Edwards, Kalamazoo, MI 49700
Date of Site Visit:	May 24, 2023
Asbestos Inspection Performed by:	Corey Pruitt (A57116)
Asbestos Inspector's Signature:	
Areas Not Accessible:	Portion of Basement & Entire 2 nd Floor
Number of Floors:	2 floors plus basement
Asbestos Present (Yes/No/Other):	Yes, additional asbestos may be present in inaccessible areas.

On the date indicated above, State of Michigan Asbestos Inspector, Corey Pruitt (A57116) from Atlas Technical Consultants, conducted a pre-demolition asbestos and other regulated materials inspection of the subject unoccupied commercial property.

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	LOCATION	QUANTITY	RESULT	NESHAP CATEGORY
6-WG-A,B,C	Window Glaze	EA 7,8,9	3 WINDOWS	PLM 3% Chrysotile	Cat II
15-PI-A,B,C	Pipe Insulation	FS 1	10 SF	PLM 40% Chrysotile	RACM

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	LOCATION	RESULT
1-RM-A,B,C	Roofing Material	EA 5	ND
2-RM-A,B,C	Roofing Material	EA 10	ND
3-AS-A,B,C	Asphalt Siding	EA 1,2,3,4	ND
4-VP-A,B,C	Vapor Paper (Under wood siding)	EA 1,2,3,4	ND
5-EC-A,B,C	Exterior Caulk (White around house and windows)	EA 1,2,3,4	ND
6-WG-A,B,C	Window Glaze	EA 7,8,9	PLM 3% Chrysotile
7-WG-A,B,C	Window Glaze	EA 1,2,3,4	ND
8-PL-A,B,C,D,E	Plaster on Lath	FS 1-11	ND
9-TPL-A,B,C	Textured Plaster (Blue)	FS 4	ND
10-TPL-A,B,C	Textured Plaster (White)	FS 5	ND
11-TPL-A,B,C	Textured Plaster (Green)	FS 9	ND
12-WBS-A,B,C	Wallboard System	FS 7	ND
13-SC-A,B,C	Stack Cement		ND
14-HS-A,B,C	Heat Shield		ND
15-PI-A,B,C	Pipe Insulation	FS 1	PLM 40% Chrysotile

16-DW-A,B,C	Duct Wrap (Around furnace)	FS 1	ND
17-MLF-A,B,C	Multi Layered Floor	FS 7	ND
18-CA-A,B,C	Construction Adhesive (on Panels)	FS 7	ND
19-BM-A,B,C	Block Mortar (White)	EA 1,2,3,4	ND
20-BM-A,B,C	Block Mortar (Chimney)	EA 2	ND
21-BM-A,B,C	Brick Mortar (Red)	EA 1,2,4	ND
22-BM-A,B,C	Block Mortar (Garage)	EA 6,7,8,9	ND
23-CC-A,B,C	Concrete Chip (Exterior)	EA 2	ND
24-CC-A,B,C	Concrete Chip (Garage)	FS 12	ND
25-CC-A,B,C	Concrete Chip (Basement Floor)	FS 1	ND
26-RI-A,B,C	Rolled-in-Insulation (Pink)	FS 12	ND
27-IC-A,B,C	Interior Caulk (Kitchen Counter)	FS 9	ND
28-IC-A,B,C	Interior Caulk (Wood Trim)	FS 3-11	ND
29-IC-A,B,C	Interior Caulk (Bathroom)	FS 7	ND
30-BM-A,B,C	Brick Mortar	FS 2	ND
31-PL-A,B,C	Plaster on Brick	EA 1,2,4	ND
32-BM-A,B,C	Brick Mortar (Gray)		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
CFC's Air Conditioners/Refrigerators/Freezers/Dehumidifiers	FS-2,5,9,11	4
CRTs/TV Screens/Monitors/Electronics	FS-12	2
Misc. Items (Glue, Solvents, Cleaners, etc.)	FS-1, FS-12	140
Natural Gas Regulator	FS-1	1

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

**Table IV
Functional Space/ Exterior Area Designations**

DESCRIPTION	DESIGNATION
Interior Functional Spaces	
Ground Level	FS- 3,4,5,6,7,8,9
2 nd Floor	FS-6,11
Basement	FS-2, 10
Garage	FS-12
Exterior Areas	
Roof	EA-5
Outside Surrounding	EA- 1,2,3,4

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



ENVIRONMENTAL TESTING LABORATORIES, INC.

37575 W HURON RIVER DRIVE
ROMULUS, MICHIGAN 48174
(734) 955-6600
FAX: (734) 955-6604

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

ETL Job: 258031
Client Project: 2788BS23418

Attention: Robert Smith
Project Location: 1423 N Edwards , Kalamazoo , MI

Lab Sample Number	Client Sample Number	Sample Type	Completed
1515244	1-RM-A	Asbestos	06/06/2023
1515245	1-RM-B	Asbestos	06/06/2023
1515246	1-RM-C	Asbestos	06/06/2023
1515247	2-RM-A	Asbestos	06/06/2023
1515248	2-RM-B	Asbestos	06/06/2023
1515249	2-RM-C	Asbestos	06/06/2023
1515250	3-AS-A	Asbestos	06/06/2023
1515251	3-AS-B	Asbestos	06/06/2023
1515252	3-AS-C	Asbestos	06/06/2023
1515253	4-VP-A	Asbestos	06/06/2023
1515254	4-VP-B	Asbestos	06/06/2023
1515255	4-VP-C	Asbestos	06/06/2023
1515256	5-EC-A	Asbestos	06/06/2023
1515257	5-EC-B	Asbestos	06/06/2023
1515258	5-EC-C	Asbestos	06/06/2023
1515259	6-WG-A	Asbestos	06/06/2023

Lab Sample Number	Client Sample Number	Sample Type	Completed
1515260	6-WG-B	Asbestos	06/06/2023
1515261	6-WG-C	Asbestos	06/06/2023
1515262	7-WG-A	Asbestos	06/06/2023
1515263	7-WG-B	Asbestos	06/06/2023
1515264	7-WG-C	Asbestos	06/06/2023
1515265	8-PL-A	Asbestos	06/06/2023
1515266	8-PL-B	Asbestos	06/06/2023
1515267	8-PL-C	Asbestos	06/06/2023
1515268	8-PL-D	Asbestos	06/06/2023
1515269	8-PL-E	Asbestos	06/06/2023
1515270	9-TPL-A	Asbestos	06/06/2023
1515271	9-TPL-B	Asbestos	06/06/2023
1515272	9-TPL-C	Asbestos	06/06/2023
1515273	10-TPL-A	Asbestos	06/06/2023
1515274	10-TPL-B	Asbestos	06/06/2023
1515275	10-TPL-C	Asbestos	06/06/2023
1515276	11-TPL-A	Asbestos	06/06/2023
1515277	11-TPL-B	Asbestos	06/06/2023
1515278	11-TPL-C	Asbestos	06/06/2023
1515279	12-WBS-A	Asbestos	06/06/2023
1515280	12-WBS-B	Asbestos	06/06/2023
1515281	12-WBS-C	Asbestos	06/06/2023
1515282	15-PI-A	Asbestos	06/06/2023
1515283	15-PI-B	Asbestos	06/06/2023
1515284	15-PI-C	Asbestos	06/06/2023
1515285	16-DW-A	Asbestos	06/06/2023

Lab Sample Number	Client Sample Number	Sample Type	Completed
1515286	16-DW-B	Asbestos	06/06/2023
1515287	16-DW-C	Asbestos	06/06/2023
1515288	17-MLF-A	Asbestos	06/06/2023
1515289	17-MLF-B	Asbestos	06/06/2023
1515290	17-MLF-C	Asbestos	06/06/2023
1515291	18-CA-A	Asbestos	06/06/2023
1515292	18-CA-B	Asbestos	06/06/2023
1515293	18-CA-C	Asbestos	06/06/2023
1515294	19-BM-A	Asbestos	06/06/2023
1515295	19-BM-B	Asbestos	06/06/2023
1515296	19-BM-C	Asbestos	06/06/2023
1515297	20-BM-A	Asbestos	06/06/2023
1515298	20-BM-B	Asbestos	06/06/2023
1515299	20-BM-C	Asbestos	06/06/2023
1515300	21-BM-A	Asbestos	06/06/2023
1515301	21-BM-B	Asbestos	06/06/2023
1515302	21-BM-C	Asbestos	06/06/2023
1515303	22-BM-A	Asbestos	06/06/2023
1515304	22-BM-B	Asbestos	06/06/2023
1515305	22-BM-C	Asbestos	06/06/2023
1515306	23-CC-A	Asbestos	06/06/2023
1515307	23-CC-B	Asbestos	06/06/2023
1515308	23-CC-C	Asbestos	06/06/2023
1515309	24-CC-A	Asbestos	06/06/2023
1515310	24-CC-B	Asbestos	06/06/2023
1515311	24-CC-C	Asbestos	06/06/2023

Lab Sample Number	Client Sample Number	Sample Type	Completed
1515312	25-CC-A	Asbestos	06/06/2023
1515313	25-CC-B	Asbestos	06/06/2023
1515314	25-CC-C	Asbestos	06/06/2023
1515315	26-RI-A	Asbestos	06/06/2023
1515316	26-RI-B	Asbestos	06/06/2023
1515317	26-RI-C	Asbestos	06/06/2023
1515318	27-IC-A	Asbestos	06/06/2023
1515319	27-IC-B	Asbestos	06/06/2023
1515320	27-IC-C	Asbestos	06/06/2023
1515321	28-IC-A	Asbestos	06/06/2023
1515322	28-IC-B	Asbestos	06/06/2023
1515323	28-IC-C	Asbestos	06/06/2023
1515324	29-IC-A	Asbestos	06/06/2023
1515325	29-IC-B	Asbestos	06/06/2023
1515326	29-IC-C	Asbestos	06/06/2023
1515327	30-BM-A	Asbestos	06/06/2023
1515328	30-BM-B	Asbestos	06/06/2023
1515329	30-BM-C	Asbestos	06/06/2023
1515330	31-PL-A	Asbestos	06/06/2023
1515331	31-PL-B	Asbestos	06/06/2023
1515332	31-PL-C	Asbestos	06/06/2023
1517764	13-SC-A	Asbestos	06/06/2023
1517765	13-SC-B	Asbestos	06/06/2023
1517766	13-SC-C	Asbestos	06/06/2023
1517767	14-HS-A	Asbestos	06/06/2023
1517768	14-HS-B	Asbestos	06/06/2023

Lab Sample Number	Client Sample Number	Sample Type	Completed
1517769	14-HS-C	Asbestos	06/06/2023
1517771	32-BM-A	Asbestos	06/06/2023
1517772	32-BM-B	Asbestos	06/06/2023
1517773	32-BM-C	Asbestos	06/06/2023

Reviewed by: 
 Jessica Dilworth

<u>Summary</u>			
Method	Sample	Layer	Mastic
PLM	115	23	3



Certificate of Analysis

Environmental Testing Laboratories, Inc.
 37575 W Huron River Drive
 Romulus, Michigan 48174
 (734) 955-6600, Fax: (734) 955-6604

Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 258031
 Client Project : 2788BS23418
 Date Collected : 05/24/2023
 Date Received : 05/31/2023

Location :
 1423 N Edwards , Kalamazoo , MI

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515244 1-RM-A	Roofing Material -Shingle	Green Non-Fibrous Homogenous	PLM 35% Cellulose	PLM 65% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumper Date Analyzed : 06/06/2023					
1515244 1-RM-A	Shingle	Black Non-Fibrous Homogenous	PLM 2% Fiberglass	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Rachel Gumper Date Analyzed : 06/06/2023					
1515244 1-RM-A	Shingle	Gray Non-Fibrous Homogenous	PLM 2% Fiberglass PLM 23% Cellulose	PLM 75% Other	PLM None Detected
Layer-3 Analyst: Rachel Gumper Date Analyzed : 06/06/2023					
1515245 1-RM-B	Roofing Material -Shingle	Green Non-Fibrous Homogenous	PLM 28% Cellulose	PLM 72% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumper Date Analyzed : 06/06/2023					
1515245 1-RM-B	Shingle	Black Non-Fibrous Homogenous	PLM 3% Fiberglass	PLM 97% Other	PLM None Detected
Layer-2 Analyst: Rachel Gumper Date Analyzed : 06/06/2023					
1515245 1-RM-B	Shingle	Gray Non-Fibrous Homogenous	PLM Trace Fiberglass PLM 20% Cellulose	PLM 80% Other	PLM None Detected
Layer-3 Analyst: Rachel Gumper Date Analyzed : 06/06/2023					

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.



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

ETL Job : 258031
 Client Project : 2788BS23418
 Date Collected : 05/24/2023
 Date Received : 05/31/2023

Location :
 1423 N Edwards , Kalamazoo , MI

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515246 1-RM-C	Roofing Material -Shingle	Green Non-Fibrous Homogenous	PLM 30% Cellulose	PLM 70% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpper Date Analyzed : 06/06/2023					
1515246 1-RM-C	Shingle	Black Non-Fibrous Homogenous	PLM 4% Fiberglass	PLM 96% Other	PLM None Detected
Layer-2 Analyst: Rachel Gumpper Date Analyzed : 06/06/2023					
1515246 1-RM-C	Shingle	Gray Non-Fibrous Homogenous	PLM Trace Fiberglass PLM 20% Cellulose	PLM 80% Other	PLM None Detected
Layer-3 Analyst: Rachel Gumpper Date Analyzed : 06/06/2023					
1515247 2-RM-A	Roofing Material -Shingle	Black Non-Fibrous Homogenous	PLM Trace Cellulose PLM 10% Fiberglass	PLM 90% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpper Date Analyzed : 06/06/2023					
1515247 2-RM-A	Shingle	Gray Non-Fibrous Homogenous	PLM 15% Fiberglass	PLM 85% Other	PLM None Detected
Layer-2 Analyst: Rachel Gumpper Date Analyzed : 06/06/2023					

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ETL Job : 258031
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Location :
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515248 2-RM-B	Roofing Material -Shingle	Black Non-Fibrous Homogenous	PLM Trace Cellulose PLM 20% Fiberglass	PLM 80% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumper Date Analyzed : 06/06/2023					
1515248 2-RM-B	Shingle	Gray Non-Fibrous Homogenous	PLM 10% Fiberglass	PLM 90% Other	PLM None Detected
Layer-2 Analyst: Rachel Gumper Date Analyzed : 06/06/2023					
1515249 2-RM-C	Roofing Material -Shingle	Black Non-Fibrous Homogenous	PLM Trace Cellulose PLM 23% Fiberglass	PLM 77% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumper Date Analyzed : 06/06/2023					
1515249 2-RM-C	Shingle	Gray Non-Fibrous Homogenous	PLM 15% Fiberglass	PLM 85% Other	PLM None Detected
Layer-2 Analyst: Rachel Gumper Date Analyzed : 06/06/2023					
1515250 3-AS-A	Asphalt Siding	Green Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumper Date Analyzed : 06/06/2023					
1515250 3-AS-A	Fiber Backing	Brown/Black Fibrous Non-Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-2 Analyst: Rachel Gumper Date Analyzed : 06/06/2023					

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ETL Job : 258031

Client Project : 2788BS23418

Date Collected : 05/24/2023

Date Received : 05/31/2023

Location :

1423 N Edwards , Kalamazoo , MI

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515251 3-AS-B	Asphalt Siding	Green Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpfer Date Analyzed : 06/06/2023					
1515251 3-AS-B	Fiber Backing	Brown/Black Fibrous Non-Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-2 Analyst: Rachel Gumpfer Date Analyzed : 06/06/2023					
1515252 3-AS-C	Asphalt Siding	Green Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpfer Date Analyzed : 06/06/2023					
1515252 3-AS-C	Fiber Backing	Brown/Black Fibrous Non-Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-2 Analyst: Rachel Gumpfer Date Analyzed : 06/06/2023					
1515253 4-VP-A	Vapor Paper (Under Wood Siding)	Brown Fibrous Homogenous	PLM 96% Cellulose	PLM 4% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpfer Date Analyzed : 06/06/2023					
1515254 4-VP-B	Vapor Paper (Under Wood Siding)	Brown Fibrous Homogenous	PLM 96% Cellulose	PLM 4% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpfer Date Analyzed : 06/06/2023					

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Certificate of Analysis

Environmental Testing Laboratories, Inc.
 37575 W Huron River Drive
 Romulus, Michigan 48174
 (734) 955-6600, Fax: (734) 955-6604

Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 258031
 Client Project : 2788BS23418
 Date Collected : 05/24/2023
 Date Received : 05/31/2023

Location :
 1423 N Edwards , Kalamazoo , MI

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515255 4-VP-C	Vapor Paper (Under Wood Siding)	Brown Fibrous Homogenous	PLM 96% Cellulose	PLM 4% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpper Date Analyzed : 06/06/2023					
1515256 5-EC-A	Exterior Caulk	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpper Date Analyzed : 06/06/2023					
1515257 5-EC-B	Exterior Caulk	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpper Date Analyzed : 06/06/2023					
1515258 5-EC-C	Exterior Caulk	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpper Date Analyzed : 06/06/2023					
1515259 6-WG-A	Window Glaze	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 97% Other	PLM 3% Chrysotile
Layer-1 Analyst: Rachel Gumpper Date Analyzed : 06/06/2023					
1515260 6-WG-B		Positive Stop			
Analyst: Rachel Gumpper Date Analyzed : 06/06/2023 Sample Not Analyzed					

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1423 N Edwards , Kalamazoo , MI

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515261 6-WG-C		Positive Stop			
Analyst: Rachel Gumpper Date Analyzed : 06/06/2023 Sample Not Analyzed					
1515262 7-WG-A	Window Glaze	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpper Date Analyzed : 06/06/2023					
1515263 7-WG-B	Window Glaze	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpper Date Analyzed : 06/06/2023					
1515264 7-WG-C	Window Glaze	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpper Date Analyzed : 06/06/2023					
1515265 8-PL-A	Plaster	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Zach Pousak Date Analyzed : 06/06/2023					
1515265 8-PL-A	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Zach Pousak Date Analyzed : 06/06/2023					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515266 8-PL-B	Plaster	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Zach Pousak Date Analyzed : 06/06/2023					
1515266 8-PL-B	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Zach Pousak Date Analyzed : 06/06/2023					
1515267 8-PL-C	Plaster	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Zach Pousak Date Analyzed : 06/06/2023					
1515267 8-PL-C	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Zach Pousak Date Analyzed : 06/06/2023					
1515268 8-PL-D	Plaster	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Zach Pousak Date Analyzed : 06/06/2023					
1515268 8-PL-D	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Zach Pousak Date Analyzed : 06/06/2023					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515269 8-PL-E	Plaster	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Zach Pousak Date Analyzed : 06/06/2023					
1515269 8-PL-E	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Zach Pousak Date Analyzed : 06/06/2023					

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Client Project : 2788BS23418
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515270 9-TPL-A	Textured Plaster	Blue Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515270 9-TPL-A	Cementitious Material	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515270 9-TPL-A	Textured Plaster	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-3 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515270 9-TPL-A	Skim Coat	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-4 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515270 9-TPL-A	Plaster	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-5 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515271 9-TPL-B	Textured Plaster	Blue Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515271 9-TPL-B	Cementitious Material	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515271 9-TPL-B	Textured Plaster	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-3 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515271 9-TPL-B	Skim Coat	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-4 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515271 9-TPL-B	Plaster	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-5 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					

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1423 N Edwards , Kalamazoo , MI

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515272 9-TPL-C	Textured Plaster	Blue Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515272 9-TPL-C	Cementitious Material	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515272 9-TPL-C	Textured Plaster	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-3 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515272 9-TPL-C	Skim Coat	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-4 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515272 9-TPL-C	Plaster	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-5 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515273 10-TPL-A	Textured Plaster	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515273 10-TPL-A	Plaster	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515273 10-TPL-A	Skim Coat	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-3 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515274 10-TPL-B	Textured Plaster	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515274 10-TPL-B	Plaster	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515274 10-TPL-B	Skim Coat	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-3 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515275 10-TPL-C	Textured Plaster	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515275 10-TPL-C	Plaster	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515275 10-TPL-C	Skim Coat	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-3 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515276 11-TPL-A	Textured Plaster	Green Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515277 11-TPL-B	Textured Plaster	Green Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515278 11-TPL-C	Textured Plaster	Green Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					

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Client Project : 2788BS23418

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Date Received : 05/31/2023

Location :

1423 N Edwards , Kalamazoo , MI

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515279 12-WBS-A	Wallboard System- Wallboard	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515279 12-WBS-A	Wallboard System- Tape	White Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-2 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515279 12-WBS-A	Wallboard System- Mud	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-3 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515280 12-WBS-B	Wallboard System- Wallboard	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515280 12-WBS-B	Wallboard System- Tape	White Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-2 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515280 12-WBS-B	Wallboard System- Mud	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-3 Analyst: Daniel Agnew Date Analyzed : 06/08/2023					

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Certificate of Analysis

Environmental Testing Laboratories, Inc.



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Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 258031
Client Project : 2788BS23418
Date Collected : 05/24/2023
Date Received : 05/31/2023

Location :
1423 N Edwards , Kalamazoo , MI

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515281 12-WBS-C	Wallboard System- Wallboard	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515281 12-WBS-C	Wallboard System- Tape	White Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-2 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515281 12-WBS-C	Wallboard System- Mud	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-3 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515282 15-PI-A	Pipe Insulation	Gray Fibrous Homogenous	PLM 40% Cellulose	PLM 20% Other	PLM 40% Chrysotile
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515283 15-PI-B		Positive Stop			
Analyst: Daniel Agnew Date Analyzed : 06/06/2023 Sample Not Analyzed					
1515284 15-PI-C		Positive Stop			
Analyst: Daniel Agnew Date Analyzed : 06/06/2023 Sample Not Analyzed					

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Table with 6 columns: Sample, Description, Appearance, % Fibrous, % Non-Fibrous, % Asbestos. Contains 5 rows of sample data with associated analyst and date information.

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Client Project : 2788BS23418
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Location :
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515289 17-MLF-B	Multi Layered Floor- Tile	Tan Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515289 17-MLF-B	Multi Layered Floor- Mastic	Beige Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515290 17-MLF-C	Multi Layered Floor- Tile	Tan Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515290 17-MLF-C	Multi Layered Floor- Mastic	Beige Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515291 18-CA-A	Construction Adhesive	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515292 18-CA-B	Construction Adhesive	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					

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Location :
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515293 18-CA-C	Construction Adhesive	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515294 19-BM-A	Brick Mortar	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515294 19-BM-A	Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515295 19-BM-B	Brick Mortar	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1515295 19-BM-B	Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515301 21-BM-B	Brick Mortar	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515302 21-BM-C	Brick Mortar	Gray Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515303 22-BM-A	Block Mortar	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515304 22-BM-B	Block Mortar	Gray Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515305 22-BM-C	Block Mortar	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515306 23-CC-A	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515307 23-CC-B	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515308 23-CC-C	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515309 24-CC-A	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515310 24-CC-B	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515311 24-CC-C	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515312 25-CC-A	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					

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Client Project : 2788BS23418
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515313 25-CC-B	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515314 25-CC-C	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515315 26-RI-A	Rolled-In Insulation	Pink Fibrous Homogenous	PLM 1% Cellulose PLM 20% Fiberglass	PLM 79% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515316 26-RI-B	Rolled-In Insulation	Pink Fibrous Homogenous	PLM 3% Cellulose PLM 20% Fiberglass	PLM 77% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515317 26-RI-C	Rolled-In Insulation	Pink Fibrous Homogenous	PLM 4% Cellulose PLM 20% Fiberglass	PLM 76% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515318 27-IC-A	Interior Caulk	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515319 27-IC-B	Interior Caulk	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515320 27-IC-C	Interior Caulk	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515321 28-IC-A	Interior Caulk	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515322 28-IC-B	Interior Caulk	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515323 28-IC-C	Interior Caulk	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515324 29-IC-A	Interior Caulk	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1515325 29-IC-B	Interior Caulk	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515326 29-IC-C	Interior Caulk	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515327 30-BM-A	Brick Mortar	Gray Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515328 30-BM-B	Brick Mortar	Gray Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515329 30-BM-C	Brick Mortar	Gray Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Shelby Fogelsong Date Analyzed : 06/06/2023					
1515330 31-PL-A	Plaster on Brick	Gray Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpfer Date Analyzed : 06/06/2023					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1517768 14-HS-B	Heat Shield	White Fibrous Homogenous	PLM Trace Cellulose PLM 98% Fiberglass	PLM 2% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1517769 14-HS-C	Heat Shield	White Fibrous Homogenous	PLM Trace Cellulose PLM 98% Fiberglass	PLM 2% Other	PLM None Detected
Layer-1 Analyst: Daniel Agnew Date Analyzed : 06/06/2023					
1517771 32-BM-A	Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpfer Date Analyzed : 06/06/2023					
1517772 32-BM-B	Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Rachel Gumpfer Date Analyzed : 06/06/2023					

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.



Certificate of Analysis

Environmental Testing Laboratories, Inc.
37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 258031
Client Project : 2788BS23418
Date Collected : 05/24/2023
Date Received : 05/31/2023

Location :
1423 N Edwards , Kalamazoo , MI

Table with 6 columns: Sample, Description, Appearance, % Fibrous, % Non-Fibrous, % Asbestos. Row 1: 1517773, Brick Mortar, Gray, PLM Trace Cellulose, PLM 100% Other, PLM None Detected.

Layer-1 Analyst: Rachel Gumper
Date Analyzed : 06/06/2023

Elm Wilkins
Lab Supervisor/Other Signatory

Analyst:

Rachel Gumper

Rachel Gumper

Shelby Fogelsong

Shelby Fogelsong

Zachary Pousak

Zach Pousak

Daniel Agnew

Daniel Agnew

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).

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Bulk Asbestos
 Chain of Custody

ETL Project #: 258031

Client: Atlas Technical Consultants	Contact: Rob Smith	Project Location/name: 1423 N EDWARDS KALAMAZOO, MI 49
Address: 46555 Humboldt Dr. Ste. 100 Novi, MI 48377	Phone: 248-669-5140 Fax: 248-669-5147 E-mail:	Client Project #: <u>27886523418</u>
Please Provide Results: <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other		Date Sampled: 5/24/2023

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

PLM Instructions
 (Check all that apply)

PLM EPA600/R-93/116, 1993 (Standard method) Stop at 1st Positive - *Clearly mark Homogenous Group*

Point Counting: 400 Points* NYSDOH ELAP 198.1, 2002*

Gravimetric Reduction* NYSDOH ELAP 198.6, 2010*

PLM Non-Building Material (Dust, Wipe, Tape) Soil or Vermiculite Analysis*

* Additional charge and turnaround may be required

1515

Lab ID	Sample ID	Material Description	Sample Location	Quantity
244 245 246	1-RM-A,B,C	Roofing Material	EA 5	
247 248 249	2-RM-A,B,C	Roofing Material	EA 10	
250 251 252	3-AS-A,B,C	Asphalt Siding	EA 1,2,3,4	
253 254 255	4-VP-A,B,C	Vapor paper (under wood siding)	EA 1,2,3,4	
256 257 258	5-EC-A,B,C	Exterior Caulk (white around house and windows)	EA 1,2,3,4	
259 260 261	6-WG-A,B,C	Window Glaze	EA 7,8,9	
262 263 264	7-WG-A,B,C	Window Glaze	EA 1,2,3,4	
265 266 267 268 269	8-PL-A,B,C,D,E	Plaster on Lath	FS 1-11	
270 271 272	9-TPL-A,B,C	Textured Plaster (Blue)	FS 4	
273 274 275	10-TPL-A,B,C	Textured Plaster (White)	FS 5	
276 277 278	11-TPL-A,B,C	Textured Plaster (Green)	FS 9	
279 280 281	12-WBS-A,B,C	Wallboard System	FS 7	

	Date	Time	
Relinquished (Name/Organization): Corey Pruitt	5/26/2023	12:00 PM	am/pm
Received (Name/ETL):	5/31/23	3:43	am/pm
Sample Login (Name/ETL):	5/31/23	3:43	am/pm
Stereoscopic/Sample Analysis (Name/ETL): <i>O. by Paul...</i>	6:23	1230	am/pm
Results (Name/ETL): <i>O. by Paul...</i>	6:23	1230	am/pm
QA/QC Review (Name/ETL):	6:23	1230	am/pm

Special Instructions: • 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
1423 N EDWARDS ST.
KALAMAZOO, MI 49007

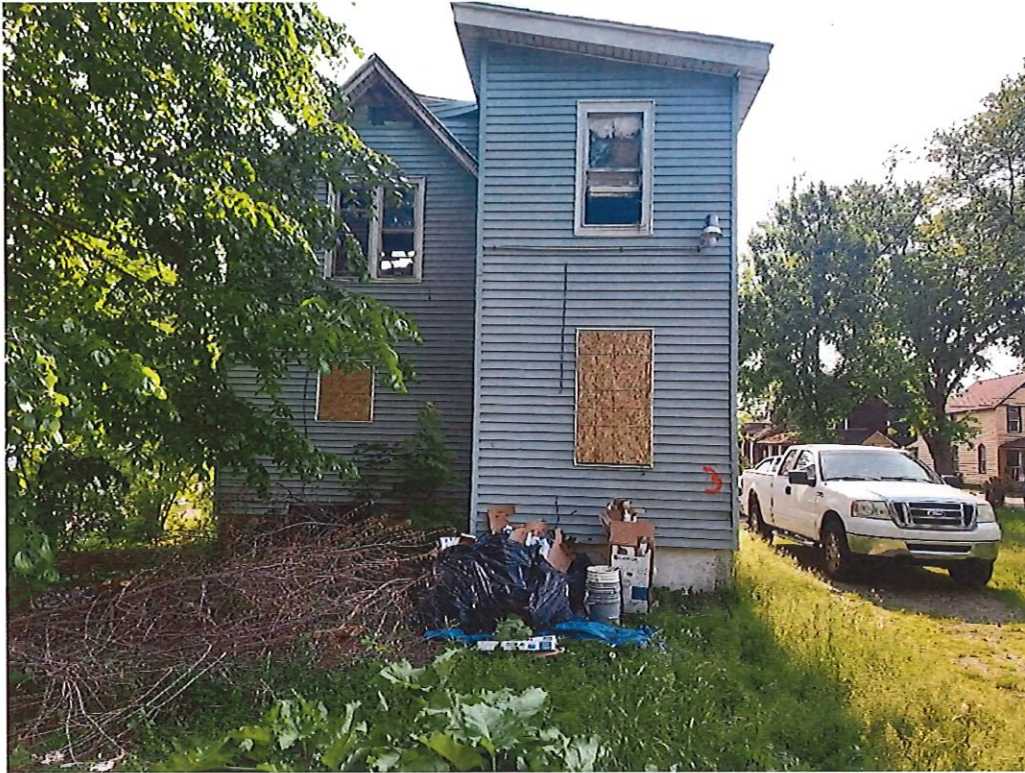


Street view of the house located at 1423 N Edwards (EA-1)/(EA-5)



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

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1423 N EDWARDS ST.
KALAMAZOO, MI 49007



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
1423 N EDWARDS ST.
KALAMAZOO, MI 49007



View of EA-6/EA-10

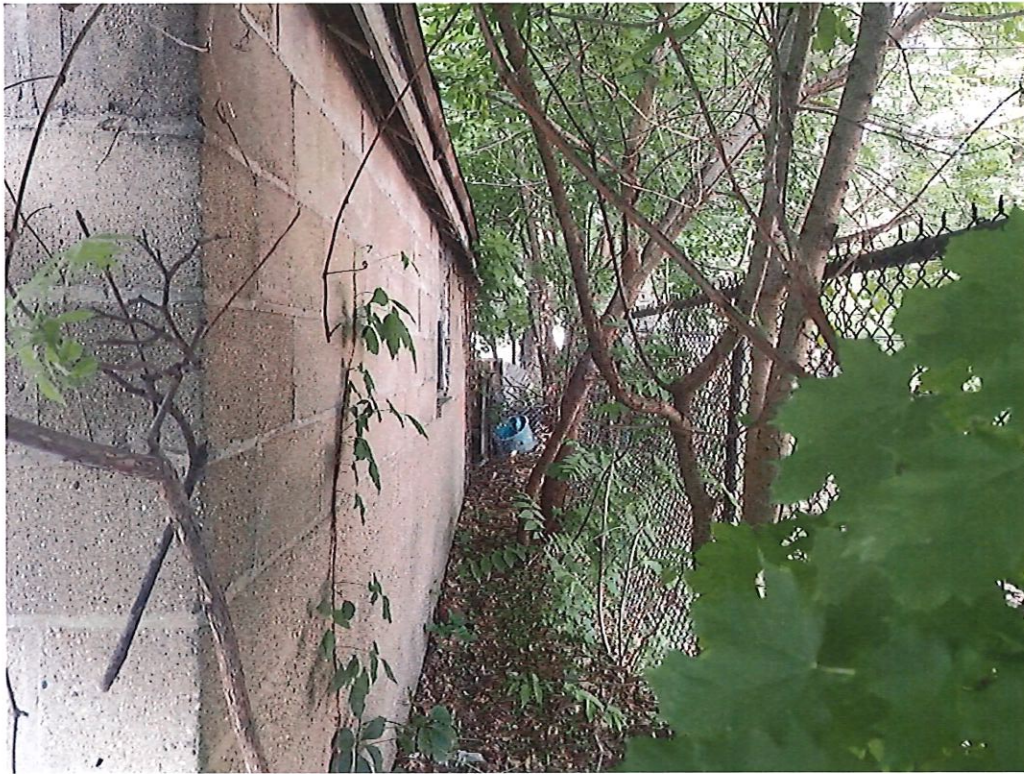


View of EA-7

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1423 N EDWARDS ST.
KALAMAZOO, MI 49007



View of EA-8



View of EA-9

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1423 N EDWARDS ST.
KALAMAZOO, MI 49007



View of FS-1



View of FS-2

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1423 N EDWARDS ST.
KALAMAZOO, MI 49007



View of FS-3

View of FS -4

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1423 N EDWARDS ST.
KALAMAZOO, MI 49007

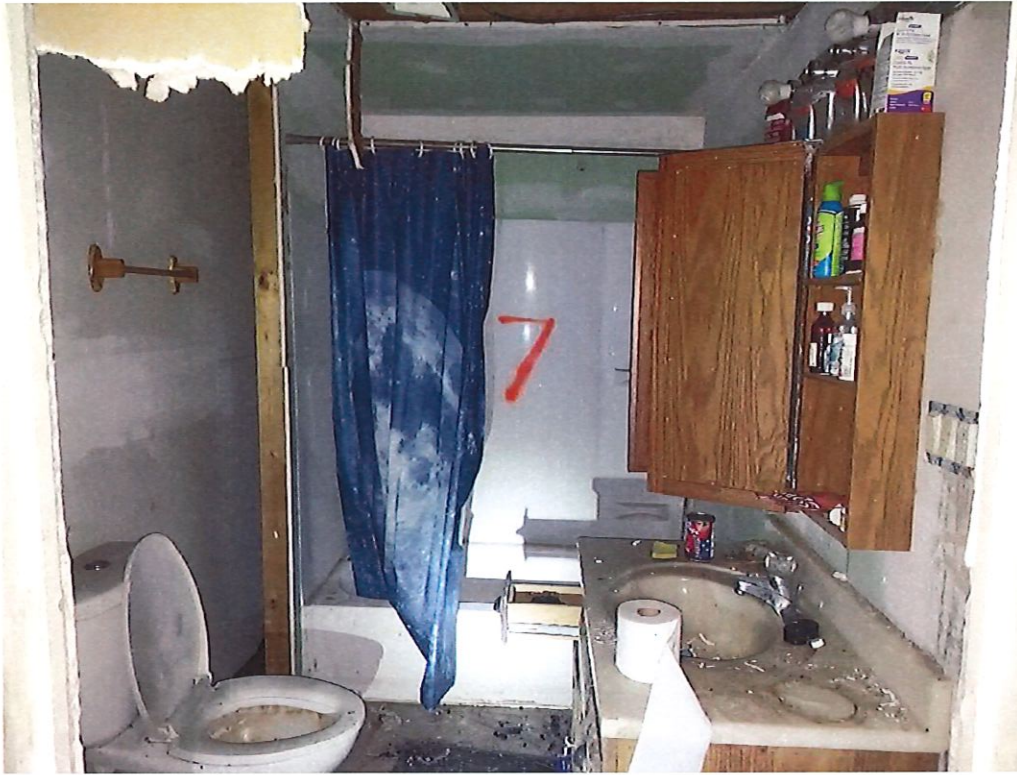


View of FS-5



View of FS-6

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1423 N EDWARDS ST.
KALAMAZOO, MI 49007

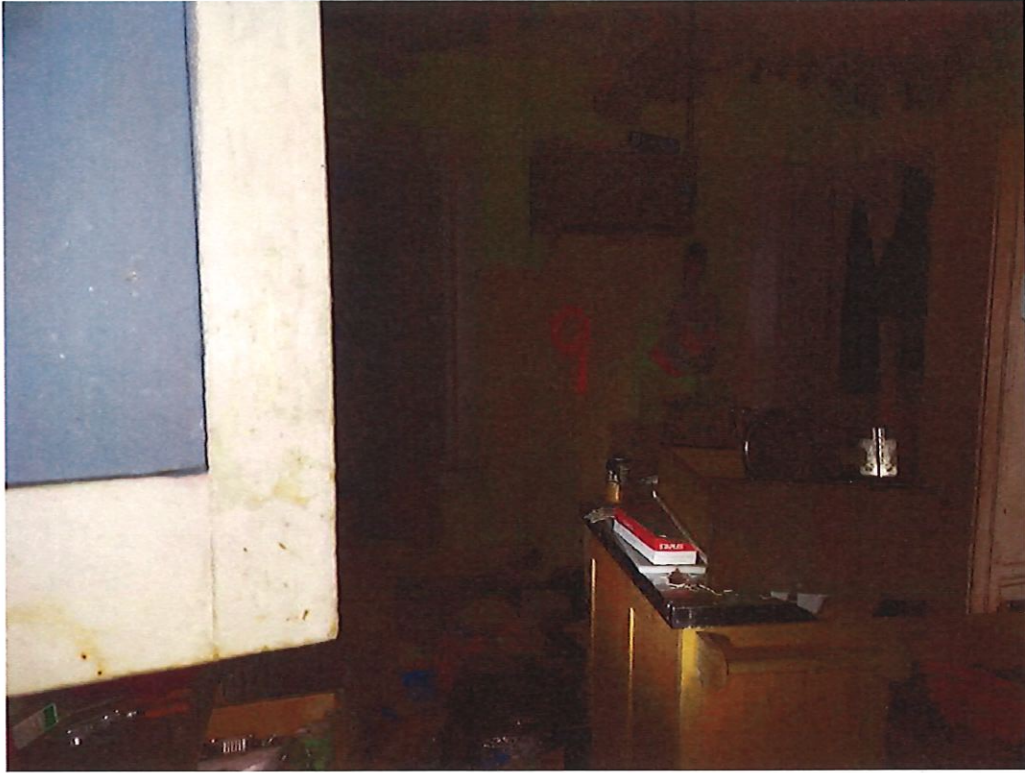


View of FS-7



View of FS-8

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1423 N EDWARDS ST.
KALAMAZOO, MI 49007



View of FS-9



View of FS-10

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1423 N EDWARDS ST.
KALAMAZOO, MI 49007



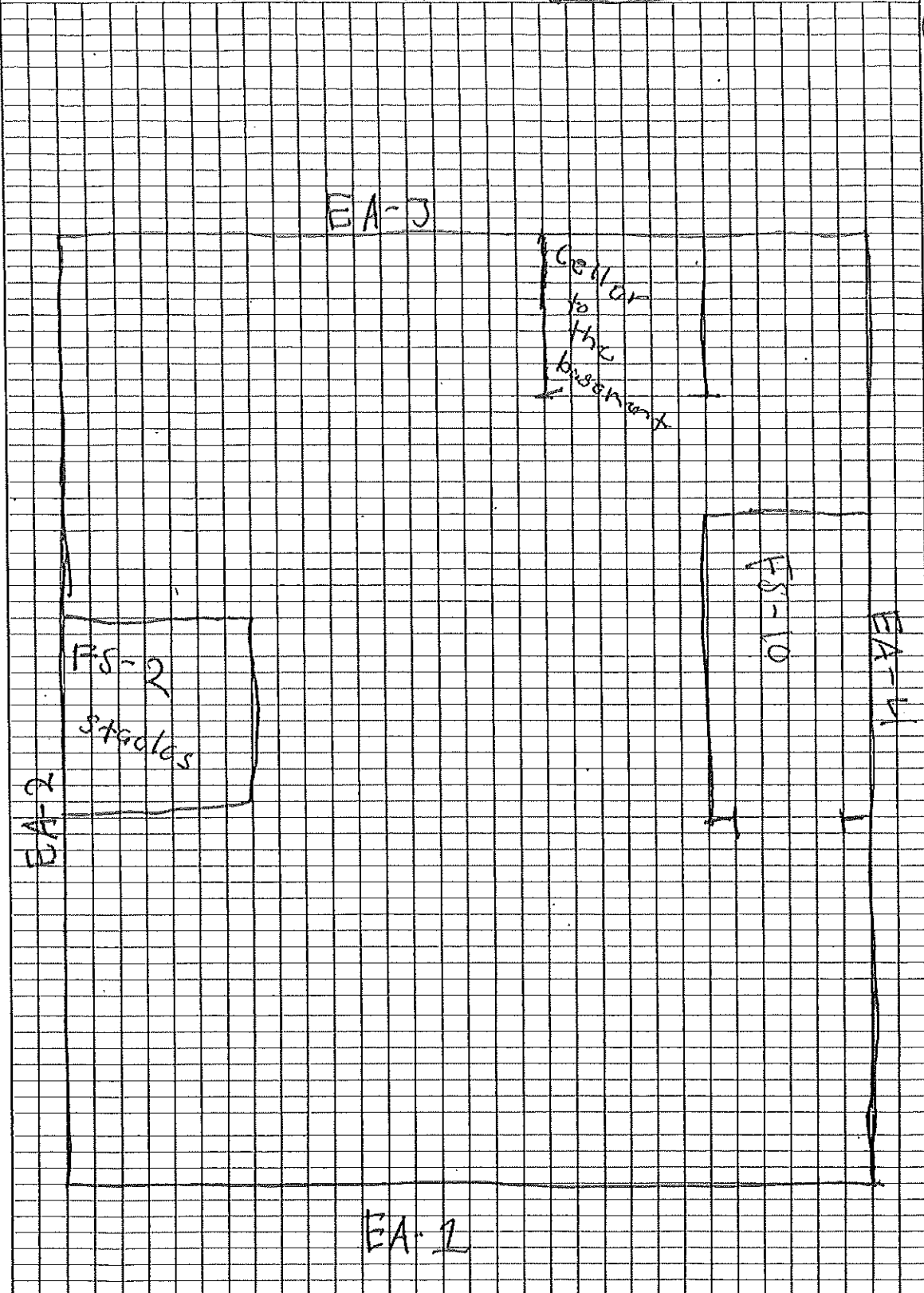
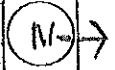
View of FS-11 (Stairs leading to 2nd floor have collapsed into the basement)



View of FS-12

ATTACHMENT C
FUNCTIONAL SPACE MAPS

Circle: (Attic) (1st Floor) (2nd Floor) (Basement) (Garage)



EA-5
ROOF

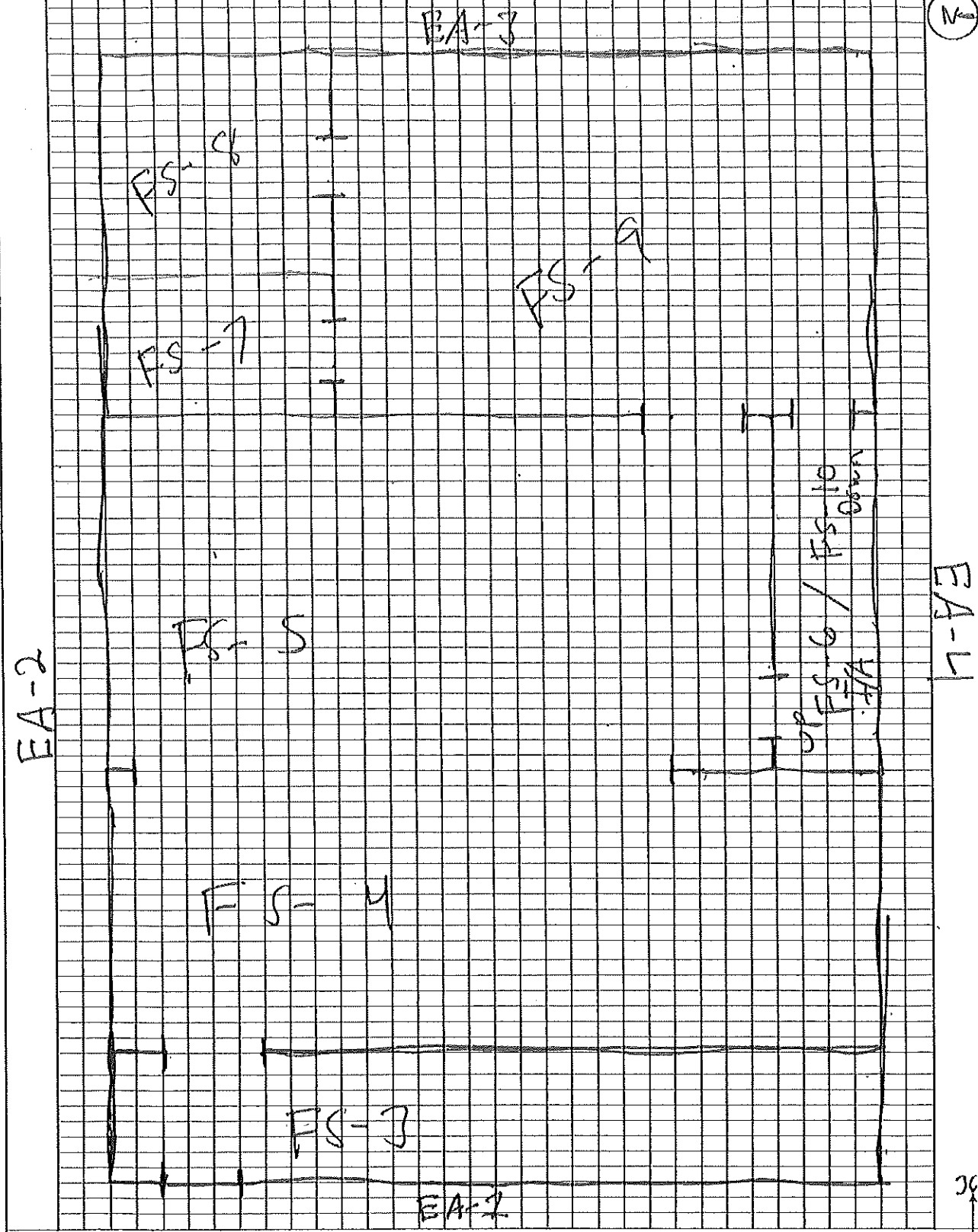
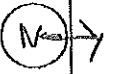
36

Street Address: 1423 N Edwards St

14



Circle: (Attic) (1st Floor) (2nd Floor) (Basement) (Garage)



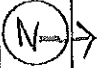
Street Address: 1423 N Edwards St

14

Inaccessible



Circle: (Attic) (1st Floor) (2nd Floor) (Basement) (Garage)



EA 5
RWF

EA-2

EA-3

FS-11

EA-4

EA-1

36

19

Street Address: 1427 N Edwards st

Inaccessible



Circle: (Attic) (1st Floor) (2nd Floor) (Basement) (Garage)



EA-10

Roof

EA-8

EA-9

EA-7

FS-12

EA-6

19

20

Street Address: 1423 N Edwards

Inaccessible

