



Department of Management Services
Purchasing/Risk Management
241 West South Street
Kalamazoo, MI 49007-4796
Phone: 269.337.8020
Fax: 269.337.8500
www.kalamazoocity.org

VIRTUAL PRE-BID MEETING/INSPECTION on April 25, 2023 @ 11:30 a.m. Local Time
Then proceed to project sites at your own pace, open until 4:00 p.m. Register in advance for this
Zoom meeting: https://us06web.zoom.us/webinar/register/WN_ajChDDqDRZWDGiZRByzncw

INVITATION FOR BID (IFB)

The City of Kalamazoo, Michigan is soliciting sealed bids for:

PROJECT NAME: Demolition of 2 Houses & 3 Garages **BID REFERENCE #: 91240-019.0**

IFB ISSUE DATE: April 14, 2023

BID DUE/OPENING DATE: May 9, 2023 @ 3:30 p.m. Local Time
Facsimile Bids Will Not Be Accepted.

MAILING ADDRESS & INSTRUCTIONS

Mail to:

Purchasing/Risk Management
241 West South Street
Kalamazoo, MI 49007

Questions about this IFB should be directed to:

Department Contact: Roger Iveson
Building Official @ (269) 337-8560 or
ivesonr@kalamazoocity.org

Include on the Envelope the Project Name and Bid Reference Number. All Envelopes Must Be Sealed.

You are invited to submit a bid for this project. Specifications, terms, conditions and instructions for submitting bids are contained herein. This Invitation for Bid with all pages, documents and attachments contained herein, or subsequently added to and made a part hereof, submitted as a fully and properly executed bid shall constitute the contract between the City and the successful bidder when approved and accepted on behalf of the City by an authorized official or agent of the City. Please review the bid document as soon as possible and note the **DEADLINE FOR QUESTIONS** in the Instructions to Bidders.

All bidders shall complete and return the Bid and Award page(s) and submit all information requested herein in order for a bid to be responsive. The bid document shall be returned in its entirety, in a properly identified and sealed envelope to the Purchasing/Risk Management Division at the above address. **BIDS MUST BE RECEIVED BEFORE THE DUE DATE - LATE BIDS WILL NOT BE CONSIDERED.** The City reserves the right to postpone the bid opening for its own convenience.

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STATEMENT OF NO BID

NOTE: If you DO NOT intend to bid on this commodity or service, please complete and return this form immediately. Your response will assist us in evaluating all responses for this important project and to improve our bid solicitation process.

The Purchasing/Risk Management Division of the City of Kalamazoo wishes to keep its bidders list file up to date. If, for any reason you cannot supply the commodity/service noted in this bid solicitation, this form must be completed and returned to remain on the particular bid list for future projects of this type.

If you do not respond to this inquiry within the time set for the bid opening date and time noted, we will assume that you can no longer supply this commodity/service, and your name will be removed from this bid list.

- _____ Specifications too "tight", i.e. geared toward one brand or manufacturer only (explain below).
- _____ Specifications are unclear (explain below).
- _____ We are unable to meet specifications.
- _____ Insufficient time to respond to the Invitation for Bid.
- _____ Our schedule would not permit us to perform.
- _____ We are unable to meet bond requirements.
- _____ We are unable to meet insurance requirements.
- _____ We do not offer this product or service.
- _____ Remove us from your bidders list for this commodity or service.
- _____ Other (specify below).

REMARKS: _____

SIGNED: _____ NAME: _____
(Type or Print)

TITLE: _____ DATE: _____

FIRM NAME: _____
(if any)

ADDRESS: _____
(Street address) (City) (State) (Zip)

PHONE: _____ FAX: _____

EMAIL: _____

**SECTION I
INSTRUCTIONS TO BIDDERS**

1. **EXAMINATION OF BID DOCUMENT**-Before submitting a bid, bidders shall carefully examine the specifications and shall fully inform themselves as to all existing conditions and limitations. The bidder shall indicate in the bid the sum to cover the cost of all items included on the bid form.
2. **PREPARATION OF BID**-The bid shall be legibly prepared in ink or typed. If a unit price or extension already entered by the bidder on the Bid and Award form is to be altered, it shall be crossed out and the new unit price or extension entered above or below and initialed by the bidder with ink. The bid shall be legally signed, and the complete address of the bidder given thereon.

All bids shall be tightly sealed in an envelope plainly marked SEALED BID and identified by project name, bid opening date and time. Bids opened by mistake, due to improper identification, will be so documented and resealed. The Purchasing/Risk Management Division will maintain and guarantee confidentiality of the contents until the specified opening date and time. Bids submitted by Fax machine will not be accepted.

3. **EXPLANATION TO BIDDERS**-Any binding explanation desired by a bidder regarding the meaning or interpretation of the Invitation for Bid (IFB) and attachments must be requested in writing, **at least 5 days before the bid opening** so a reply may reach all prospective bidders prior to the submission of bids. Any information given to a prospective bidder concerning the IFB will be furnished to all prospective bidders as an amendment or addendum to the IFB if such information would be prejudicial to uninformed bidders. Receipt of amendments or addenda by a bidder must be acknowledged in the bid by attachment, or by letter or fax received before the time set for opening of bids. Oral explanation or instructions given prior to the opening will not be binding.
4. **CASH DISCOUNTS**-Discount offered for payment of less than thirty (30) days will not be considered in evaluating bids for award. Offered discounts of less than thirty (30) days will be taken if payment is made within the discount period, even though not considered in evaluation of the bid.
5. **WITHDRAWAL OF BIDS**-Bids may be withdrawn in person by a bidder or authorized representative, provided their identity is made known and a receipt is signed for the bid, but only if the withdrawal is made prior to the exact time set for receipt of bid. No bid may be withdrawn for at least sixty (60) days after bid opening.
6. **ALTERNATE BIDS**-bidders are cautioned that any alternate bid, unless specifically requested or any changes, insertions or omissions to the terms and conditions, specifications or any other requirement of this IFB may be considered non-responsive, and at the option of the City, result in rejection of the alternate bid.
7. **LATE BIDS**-Any bid received at the office designated herein after the exact time specified for receipt will not be considered. (Note: The City reserves the right to consider bids that have been determined by the City to be received late due to mishandling by the City after receipt of the bid and no award has been made.)
8. **UNIT PRICES**-If there is a discrepancy between unit prices and their extension, unit prices shall prevail.

SECTION II
BID AND AWARD

The undersigned having become thoroughly familiar with the project and sites, location conditions affecting the work and understanding all of the special requirements, terms and condition incorporated herein, agrees to perform the demolition work in strict accordance with all the requirements of these documents and all governing statutes, ordinances, rules and regulations as written now and as may be amended, including but not limited to Chapter 9, Article VI, Sections 9-251 through 9-313 of the City of Kalamazoo Code of Ordinance and to provide and furnish all the equipment, labor and materials necessary to complete in a professional manner all work required for the lump sums as stated below:

SCOPE OF WORK/ PROJECT DESCRIPTION

The project includes complete demolition and removal of the buildings/structures listed below and restoration of the project site following the general specifications detailed in Section III: SPECIAL INSTRUCTIONS FOR RESIDENTIAL DEMOLITION. SPECIAL INSTRUCTIONS FOR RESIDENTIAL AND LIGHT COMMERCIAL DEMOLITIONS.

Professional surveys/inspections of these structures have been completed to determine presence, types, quantities and locations of asbestos-containing materials (ACM), mercury, and household hazardous waste unless otherwise noted as PACM. A partial report will be distributed to each firm attending the Pre-Bid Inspection. Proper removal of any and all such materials shall be the responsibility of the successful demolition bidder and all costs for removal shall be included in the bid for each site. Please invite any potential sub-contractors to attend pre-bid inspections. All structures are wood frame houses on basement unless noted otherwise. Area given is total floor area as shown in City Assessor database.

| <u>ITEM</u> | <u>ADDRESS/LOCATION</u> | <u>DESCRIPTION</u> | <u>BID AMOUNT</u> |
|---|--------------------------------|---|--------------------------|
| 1. | 1412 N Burdick Street | 1,144 sq. ft, 2 story 688 sq. ft, garage | \$ _____ |
| 2. | 1413 N Edwards Street | 1,191 sq. ft, 2 story 400 sq. ft, garage | \$ _____ |
| 3. | *130 Balch | 400 sq. ft (Garage Only) | \$ _____ |
| 4. | *1016 Denner Street | 379 sq. ft (Garage Only) | \$ _____ |
| 5. | *832 Staples Avenue | 231 sq. ft (Garage Only) | \$ _____ |
| GRAND TOTAL OF ALL 5 LINE-ITEM PRICES ABOVE | | | \$ _____ |
| DISCOUNTED TOTAL (if awarded <u>all</u> project sites) | | | \$ _____ |

*Contractor will need to check for any electrical to each garage and include disconnect charges in the bid amount.

Note: Items 3, 4 and 5 are for demolition of garage only and owners currently reside in each house.

For additional details and specifications, See - Section III: Special Instructions for Residential and Light Commercial Demolitions; Section IV: Special Requirements - Demolition.

Work shall start within twenty (20) calendar days after receipt of the **NOTICE TO PROCEED** and the first line item shall be substantially completed no later than twenty-five (25) calendar days after commencement. Each additional item for each contract shall be substantially completed within a maximum of one week after completion of the previous item.

The bidder understands that no work may commence until all bonds, permits, licenses and certificates of insurance have been obtained and all fees paid. Said documents shall be obtained within ten (10) days after receipt of **NOTICE OF AWARD**. The bidder agrees to complete all work detailed herein and to conform with the terms of this contract and all applicable laws, ordinances, rules and regulations within the schedule outlined above.

Failure to obtain all required documents within ten (10) days of the receipt of notice of award, or failure to complete all required work within the time specified above shall constitute breach of this contract and justify cancellation by the City. Upon cancellation of the contract, the bidder shall be liable to the City for any increased cost caused by the bidder's breach. Bidders declared in breach will also be removed from the active bidders list maintained by the department until such time as any costs have been reimbursed to the City and/or the matter is otherwise fully resolved to the satisfaction of the City.

Bidder/Contractor has examined and carefully studied the bidding documents and attachments, and acknowledges receipt of the following addenda:

Addendum No: _____

Dated: _____

Bidder shall provide all of the information as requested herein with their bid. **Failure to do so and/or failure to provide post-bid requested information may be cause for rejecting the bid as non-responsive.**

By my signature below, I certify that the firm bidding on this contract, when making hiring decisions, does not use a past criminal conviction as a bar to or preclude a person with a criminal conviction from being considered for employment with the bidding firm unless otherwise precluded by federal or state law. I further certify that I have read and agree to be bound by the provisions of the City's Non-Discrimination Clause found in Appendix A.

Signed: _____ Name: _____

Title: _____

QUALIFICATIONS OF BIDDERS

1. To demonstrate Bidder's qualifications to perform the Work, provide the following as a supplement to your bid. If Bidder will be subcontracting asbestos abatement services, Bidder shall also provide the following for the asbestos subcontractor. OWNER reserves the right to require bidders to submit additional information as OWNER deems necessary to satisfy OWNER that the bidders are adequately prepared to fulfill all provisions of the contract and as to which bidder should be awarded the contract. Failure to provide information requested within the time frames established by the OWNER will subject the bidder to disqualification of the bid.
 - Description of Contractor's experience with projects of comparative size, complexity, and cost. Specify projects, name of project manager, owners and locations of projects, dates of each project completion. A reference name and current contact phone number for each project must be provided.
 - Provide a listing of equipment that will be dedicated to this project. Written certification that the equipment owned and/or leased by the bidder that will be utilized on the project will conform to all safety requirements required by Michigan and federal law, regulations, and codes.
 - Provide names and addresses of licensed or permitted facilities for recycling or disposal of all wastes and construction debris that will be used at this site.

2. OWNER retains the right to take into account factors others than those set forth in the bid specifications in evaluating and qualifying bidders. Contractor shall provide the information below. Failure to provide requested information will subject the bidder to disqualification of the bid. These factors include, but are not limited to the following:
 - Projects involving the bidder for which performance was and/or not delivered on time;
 - Fines and penalties imposed on the bidder for any projects in the last five (5) years;
 - State, Federal and local environmental violations in the last five (5) years;
 - Liens filed against bidder in the last five (5) years;
 - Suspension or revocations of any professional license of any director, officer, or managerial employee of the bidder, to the extent that any work to be performed is within the field of such licensed profession;
 - OSHA violations by the bidder or bidder's subcontractors within the last five (5) year (including Michigan MIOSHA or other state occupational or construction health and safety laws or regulations), as well as all notices of OSHA or other health and safety citations filed against bidder, together with a description and explanation of remediation or other steps taken regarding such violations and notices of violations;
 - Litigation or arbitration cases in which bidder has been a defendant or third party related to any construction or demolition project in which it has been engaged within the previous five (5) years;
 - Violations, if any, of prevailing wage laws or other wage and hour law violations, including, but not limited to, child labor violations, failure to pay wages, or unemployment insurance tax delinquencies within the past five (5) years;
 - Criminal convictions related to the construction or demolition business of bidder, its officers, directors, and/or managerial employees, within the past five (5) years;

SUB-CONTRACTING INFORMATION

Using the table below provide information regarding the sub-contractors that will be working to fulfill the requirements of this contract. Submit as complete a list as possible at the time of your proposal. You will have two business days after the proposal opening to update the list as needed. The information provided will be used for evaluating your proposal and to assist in determining if you qualify as a Kalamazoo County Bidder.

INSTRUCTIONS:

Nature of Contract - State a brief description of the work or product that will be provided.

BIDDER – Provide the percentage of services or construction activity that will be provided by your firm.

Subcontractors:

- Provide the Name and Address for each subcontractor providing services or construction activities for this contract.
- Provide the percentage for the dollar amount of the contract work they will be performing.

If there are not enough lines in the table below make additional copies as needed.

| Subcontractor Name/Address | % Of Total Contract |
|-----------------------------------|----------------------------|
| BIDDER | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Does this List of Subcontractors need to be updated after the proposal opening? **Yes** ___ **No** ___

REFERENCE QUESTIONNAIRE

Please answer the following questions completely.

1. Firm name: _____
2. Established: Year _____ Number of Employees: _____
3. Type of organization:
 - a. Individual: _____
 - b. Partnership: _____
 - c. Corporation: _____
 - d. Other: _____
4. Former firm name(s) if any, and year(s) in business:

5. Include at least 3 references of contracts for similar work performed over the last five (5) years. Include: owner, contact person and phone number and description of work performed.
 - 5.1 Company Name: _____
Address: _____
Phone: _____
Contact: _____
Type of work or contract: _____
 - 5.2 Company Name: _____
Address: _____
Phone: _____
Contact: _____
Type of work or contract: _____
 - 5.3 Company Name: _____
Address: _____
Phone: _____
Contact: _____
Type of work or contract: _____

I hereby certify that all of the information provided is true and answered to the best of my ability.

Signed: _____ Name: _____
(type or print)
Title: _____ Date: _____

CITY OF KALAMAZOO EX-OFFENDER POLICY CHECKLIST

As part of the City’s commitment to reducing unacceptable poverty, encouraging rehabilitation, reducing recidivism and strengthening families in Kalamazoo, the City has updated its Purchasing Policy to ensure that firms with whom the City does business share in this commitment by utilizing hiring practices that do not unfairly deny people with arrest and conviction records gainful employment. *(Important: This requirement also extends to any subcontractors the bidder intends to use to fulfill the contract for goods or services being sought from the City.)*

Part I: Proof that the bidder does not inquire about an individual’s past arrest or criminal history on the bidders employment application form

- Attach a copy of the current application for employment being used by the bidder

Part II: Certification that the bidder does not use an individual’s past arrest or criminal history to unlawfully discriminate against them by checking *one or more* of the following:

- That pursuant to federal or state law bidder is precluded from hiring persons with certain criminal records from holding particular positions or engaging in certain occupations by providing a cite to the applicable statute or regulation; if checking this box, provide a citation to the applicable statute or rule upon which the bidder is relying:_____
- That bidder conducts criminal history background checks only as necessary, and only after making a conditional offer of employment; that any withdrawal of an offer of employment to an individual because of a past criminal history is job-related and consistent with business necessity after the individual has been provided an individualized assessment opportunity to review and challenge or supplement the history of past criminal conduct being relied upon by the bidder;
- That the use by bidder of criminal history background checks complies with the U.S. Equal Employment Opportunity Commission’s Enforcement Guidance on the Consideration of Arrest and Conviction Records in Employment Decisions and that the bidder has not had a determination rendered against it in past 7 years that it discriminated against a person through the use of an individual’s arrest or criminal history

I CERTIFY THAT THE ABOVE STATEMENTS ARE TRUE.

Date

Signature

Printed Name

Position

NOTE: This blanket addendum is for informational purposes only and does not need to be acknowledged by bidders in their submission.

COVID-19 ADDENDUM #2

January 1, 2022

TO: ALL Prospective Bidders
PROJECT: ALL Upcoming Projects

The purpose of this addendum is to clarify and/or modify the sealed bid delivery and bid opening process for all upcoming projects. All work affected is subject to all applicable terms and conditions of the Bidding and Contract Documents.

1. UPDATE TO SEALED BID DELIVERY AND BID OPENING POLICY:

Effective immediately and continuing until further notice, the City of Kalamazoo will return to IN-PERSON bid openings following City Hall guidelines, including Mask Mandate.

BIDS MUST BE RECEIVED BEFORE THE DUE DATE AND TIME – LATE BIDS WILL NOT BE CONSIDERED.

Bidders can submit sealed bids in one of the following ways:

- **Mail your bid**, to be received before the bid due date and time indicated in the bid document, to the City of Kalamazoo at the following address:

City of Kalamazoo
Purchasing Division
241 West South Street
Kalamazoo, MI 49007

- **Deliver your bid to the Treasurer’s Office Payment Drop Box** located in the northwest corner of City Hall before the bid due date and time indicated in the bid document.
- **Deliver your bid to City Hall In Person** before the bid due date and time indicated in the bid document.

All bids shall be tightly sealed in an envelope plainly marked SEALED BID and identified by project name, bid opening date and time. Bids opened by mistake, due to improper identification, will be so documented and resealed. The Purchasing Division will maintain and guarantee confidentiality of the contents until the specified opening date and time. Bids submitted by fax machine or email will not be accepted.

The Purchasing Division will post bid tabulations to the City of Kalamazoo website within 24 hours after the bid opening date and time at: <https://www.kalamazoocity.org/bidopportunities>.

Questions regarding this sealed bid delivery and bid opening policy change related to the COVID-19 virus should be directed to the City of Kalamazoo at (269) 337-8020.

Sincerely,



Michelle Emig
Purchasing Division Manager

I hereby state that all of the information I have provided is true, accurate and complete. I hereby state that I have the authority to submit this bid which will become a binding contract if accepted by the City of Kalamazoo. I hereby state that I have not communicated with nor otherwise colluded with any other bidder, nor have I made any agreement with nor offered/accepted anything of value to/from an official or employee of the City of Kalamazoo that would tend to destroy or hinder free competition.

The firm's identification information provided will be used by the City for purchase orders, payment and other contractual purposes. If the contractual relationship is with, or the payment made to, another firm please provide a complete explanation on your letterhead and attach to your bid. Please provide for accounts payable purposes:

Tax Identification Number (Federal ID): _____

Remittance Address: _____

Financial Contact Name: _____ Financial Contact Phone Number: _____

Financial Contact Email Address: _____

I hereby state that I have read, understand and agree to be bound by all terms and conditions of this bid document.

SIGNED: _____ NAME: _____
(Type or Print)

TITLE: _____ DATE: _____

FIRM NAME: _____
(if any)

ADDRESS: _____
(Street address) (City) (State) (Zip)

PHONE: _____ FAX: _____

EMAIL ADDRESS: _____

FOR CITY USE ONLY - DO NOT WRITE BELOW

SECTION III
SPECIAL INSTRUCTIONS FOR RESIDENTIAL & LIGHT COMMERCIAL DEMOLITIONS

1. All demolition work shall comply with Chapter 9, Article VI, subsections 9-251 through 9-313 of the City of Kalamazoo Code of Ordinances, and all laws, rules and regulations as now written and as amended from time to time. In addition, all demolitions shall conform to the following general specifications. Additional specifications and requirement details are shown on the bid and award page.
2. The City will make reasonable efforts to close all included buildings and structures and to maintain them closed to casual entry from the time of Pre-Bid Inspection until issuance of the Notice To Proceed. Once the Notice to Proceed has been issued, it shall be the responsibility of the Contractor to provide and maintain site security.
3. All fixtures, fittings, furnishings, trash, and other materials in or upon the demolition site and all specified structures become the property of the successful bidder at the time of issuance of the Notice to Proceed.
4. All demolitions shall include removal of all structures (including detached accessory structures) at each site as well as poles, posts, interior fences, slabs on grade, private sidewalks and drives.
5. All demolitions shall include removal of all basement wall, floor, and footing materials and all sub-grade masonry structures (e.g. cisterns, dry wells, vaults, etc.) as specified or encountered during work.
6. Contractors shall **prevent migration of demolition dust** into areas adjacent to the project site by **continuous, generous, and effective application of water** or other effective measures during on-site demolition work **regardless of air temperature**. Any amending agents added to water used to control dust shall be listed as inert or non-polluting. Water used for dust control shall not migrate into or otherwise physically impact areas adjacent to the project site **unless prior written approval is obtained** from owners of that adjacent property after agreement on mitigating measures to prevent and/or reverse damage to that adjacent property. A copy of any such approval/agreement shall be presented to the City of Kalamazoo Project Manager prior to the commencement of demolition activity. No public water source will be available at the demolition site. Use of City hydrant water is very unlikely. Contractors may contact the Water Division of Public Services (269-337-8729) to discuss availability of bulk water at a central public tap.
7. Unless otherwise specified herein, all residential demolitions shall include all costs to remove any asbestos-containing materials (ACM) or other hazardous waste material present at each site. All removal shall be performed in strict conformance with Michigan Dept. of Public Health regulations, EPA regulations, DNRE regulations, OSHA regulations, the attached Special Demolition Requirements for Asbestos and Hazardous Material/Waste, and all other relevant laws, ordinances, and regulations as adopted and effective prior to the NOTICE OF AWARD. **Copies of all associated notices and required documentation shall be provided to the City prior to final invoicing.**

8. Trees, bushes, and other plantings on site having trunks measuring six (6) inches or less diameter at five (5) feet vertical distance above existing grade, may be removed to facilitate demolition. No other vegetation may be removed except as specified in the SCOPE OF WORK/PROJECT DESCRIPTION in Section III, or after other written authorization.
9. Unless instructed otherwise, trees marked by the City for removal by the demolition contractor shall be felled within the boundaries of project property. Trunks shall be cut no higher than two (2) feet above grade as needed to allow stump removal. Prior to any stump removal, a barricade shall be installed surrounding the stump sufficient to prevent flying debris from leaving the project site and to contain all wood chips to be generated. All wood chips shall be removed from the project site and disposed of properly. Stumps shall be removed to a depth of at least twelve (12) inches below final grade. The resulting depression/excavation shall be filled with top dirt and seeded as detailed below for the balance of the site.
10. Once demolition has begun and any site will be left unsupervised, a secure fence of at least four (4) feet in height shall be installed and maintained around the entire perimeter of that site so as to prevent unauthorized access to the site when left unsupervised until excavations have been substantially filled. The fence must be sufficiently visible in any light condition. NOTE: A site free of debris where the excavated area has been partially filled and there is no slope greater than a natural slope (45 degrees) need not be fenced when left unsupervised.
11. Adjacent sidewalks and other public areas shall be properly blocked and protected during demolition as needed by means of substantial barricades, fences, and signage. Barricades remaining during periods of darkness shall have lights.
12. Public streets shall not be blocked except as specifically approved in writing prior to such blockage by the Department of Public Works (269-337-8612).
13. Private streets or shared drives shall not be blocked except that the blockage is approved by each property owner in interest prior to the blockage. Written verification of all approvals shall be provided to the City prior to the blockage.
14. Prior to and during demolition and site restoration activities, public utility lines and equipment and other public improvements shall be protected to prevent damage or interruption of service.
15. The City of Kalamazoo will photo-document the condition of all public walks, curbs, and other public improvements in the vicinity of the demolition site immediately prior to issuance of the Notice To Proceed and will share those images and discuss conditions at the request of the contractor. Public sidewalks, curbs, or other improvements damaged by Contractor's equipment or otherwise as a result of demolition activities shall be promptly repaired or replaced at contractor's expense. Replacement sidewalks and curbs shall be constructed in accordance with standards and regulations of the Department of Public Works.
16. All materials shall be handled, stored, moved, removed and disposed of systematically as the demolition progresses to prevent the creation of a fire hazard or danger to the public. **Contractor shall list the site(s) that will be used for disposal of waste from each site on the required Application for Permit to Wreck. Copies of disposal tickets must be supplied to the City. Failure to provide this information will delay payment until received.**

17. All portions of buildings and property improvements shall be demolished and removed from the site unless otherwise agreed in writing. Prior to filling, Contractor shall arrange for an inspection of the site by the City to verify that all demolition materials have been removed and any utility lines have been properly capped and marked.
18. Water and sewer leads shall be properly capped or plugged in accord with the requirements of the Department of Public Works. Sewer lines shall be permanently sealed/plugged at least five (5) feet outside the perimeter of the building foundation. Water utility lines shall be sealed/capped at least five (5) feet outside the perimeter of the building foundation and marked by placement of a ferrous rod at least four feet in length extending vertically from the capped end of the water pipe to no more than six (6) inches below final grade.
19. Excavations shall be promptly filled with clean inorganic fill, compacted in lifts not exceeding eighteen (18) inches. The final (top) six (6) inches of fill shall consist of clean top soil neatly graded to match the existing perimeter topography of the site and raked in preparation for seeding.
20. All imported fill soil(s) shall be subject to the approval of the Demolition Project Manager.
21. All exposed earth shall be thoroughly seeded with grass seed consisting of approximately 70% tall fescue, 20% perennial rye, and 10% Kentucky blue grass applied at a rate of 100 pounds per acre, then covered with straw or other equivalent approved natural material sufficient to minimize soil erosion.
22. All bonds, permits, licenses, or certificates of insurance required for the performance of the work specified herein shall be obtained and paid for by the Contractor and proof of same provided to the Code Administration Division no later than ten (10) calendar days after Notice of Award. No work shall commence until all required permits, licenses have been obtained by the Contractor and, when required, approved by the City, and/or until all required fees have been paid. **NO PERMIT SHALL BE ISSUED UNTIL ALL DOCUMENTS REQUIRED BY THIS CONTRACT OR BY GOVERNING STATUTE, ORDINANCE, LAW, RULE OR REGULATION HAVE BEEN OBTAINED AND ALL REQUIRED FEES PAID.** Failure to meet any one or more of these requirements shall constitute breach of contract and justify cancellation of the contract by the City of Kalamazoo.

SECTION IV
SPECIAL REQUIREMENTS - DEMOLITION

1. ASBESTOS AND HAZARDOUS MATERIAL/WASTE

- 1.1 The City will provide information documenting the nature, amount(s), and location(s) of any asbestos or other hazardous waste or substances confirmed through professional inspection and analysis to be present at the project site.
- 1.2 During inspection of work site(s) by the bidder(s), each shall confirm presence of any asbestos or other hazardous waste material in, on, or near the building to be demolished that is included in the survey documents and shall make allowance for its abatement and/or removal in the lump sum price bid and state any and all sub-contractor(s) that may be required, see Bid & Award page(s).
- 1.3 In the event that unforeseen hazardous waste material is encountered by the contractor, work in that general area shall cease until a Demolition Change Order has been completed that details scope, method, and terms for its treatment.
- 1.4 Whether asbestos or any other hazardous material was included in the survey documents or discovered subsequent to Notice of Award, items 2 through 7 below must be followed.

2. SCOPE - HAZARDOUS WASTE MATERIAL

This project includes supplying all labor, materials, tools, equipment, supplies, permits, notices, receipts, disposal fees and all other incidental fees and costs associated with the lawful removal, transportation and disposal of hazardous waste material.

3. PRECAUTION

The Contractor shall use all due precaution in handling, removal, transportation, storage and disposal of all hazardous material to avoid any possibility of accident or harm to domestic animals, wildlife, air, water soils, the environment and to humans whatsoever.

4. TRANSPORTATION

The Contractor shall lawfully transport the hazardous material to the disposal site and to the temporary storage site, if needed. All licenses, fees and other incidental costs associated with transportation shall be the responsibility of the Contractor. The Contractor shall abide by all applicable load restrictions, traffic regulations and ordinances to ensure safe and proper transportation. The Contractor shall cover all of the hazardous material during transport to disposal site.

5. TEMPORARY STORAGE

The Contractor shall provide for lawful disposal of the hazardous material if needed. It is the responsibility of the Contractor to acquire any and all necessary approvals from all governmental units having jurisdiction over the temporary storage site. The temporary storage site selected by the Contractor shall be subject to the approval of the City.

6. DISPOSAL

The Contractor shall provide for lawful disposal of the hazardous material. All required notices shall be filed and all applicable state, federal, and local permits shall be secured by the Contractor prior to loading, unloading and disposal of the hazardous material at the earliest possible date without delay. The Contractor shall be required by the City to participate in a manifest system with the purpose of accounting for each load of hazardous material removed. The manifest forms will be supplied by the Contractor and will require the Contractor to secure the signature of the transporter and disposal site operator verifying that the hazardous material has been properly transported, received and disposed of. **Copies of all hazardous waste disposal manifests associated with this project must be submitted to the City by the demolition contractor prior to or along with final request for payment.** Any failure of the Contractor to account for each and every load of hazardous material shall be deemed to be a violation of the terms of this contract and just cause for default of contract and prosecution to the fullest extent possible under the law.

7. CONTAINERS

The Contractor shall supply containers for use in the temporary storage and/or transport of the hazardous material when required. Any container lining deemed necessary by the Contractor or the City for effective disposal shall be supplied by the Contractor. The Contractor shall furnish and use container covers for use in the transport and temporary storage if deemed necessary by the City or required by law and ordinance.

Any and all containers, as may be required by law, shall conform, be labeled, placed, moved, handled and transported in accordance with all local, state and federal laws, rules and regulations.

8. WAIVERS OF LIEN

Upon completion of all work and request for final payment, the Contractor shall furnish a 100% waiver of lien from each supplier and sub-contractor covering all items of the work. Failure to supply waivers of lien for the entire job upon completion and final payment request will be considered grounds for withholding final payment.

9. SUBCONTRACTORS

Contractors shall state on the Bid and Award pages any and all subcontractors to be associated with their bid, including the type work to be performed. Any and all subcontractors shall be bound by all of the terms, conditions and requirements of the contract; however, the prime Contractor shall be responsible for the performance of the total work requirements.

GENERAL CONDITIONS

1. PROJECT MANAGER

- 1.1 The Project Manager or his/her duly authorized representative shall have the duties and responsibilities as provided in the contract.
- 1.2 The Project Manager shall have the authority to reject any work or materials that do not conform to the contract and to decide questions or make interpretations that may arise from the contract documents.
- 1.3 The Contractor shall immediately report to the Project Manager any questionable or obvious error or omission that may be apparent in the contract documents and shall not proceed with work until the Project Manager or his/her representative has resolved the error or omission.
- 1.4 The Project Manger shall have authority to stop work whenever such stoppage may be necessary to ensure the proper execution of the contract.

2. DEMOLITION SCHEDULE AND COORDINATION

- 2.1 TIME IS OF THE ESSENCE in respect to the work contemplated herein, and the Contractor agrees to do the work covered by the contract in conformity with the provisions set forth herein. Failure on the part of the Contractor to complete the work within the stated time he/she has set for and agreed to herein, shall constitute default by the Contractor. Regardless of any other provision of this contract, if Contractor fails to complete the work within the time he/she has set forth and agreed to herein, the Contractor may be liable to the owners(s) for any damages incurred by the owner(s).
- 2.2 The Contractor shall supply the City with an agreeable work schedule before commencing work on this contract. This schedule shall detail beginning and completion dates for each major component of the project.
- 2.3 The Contractor shall coordinate and cooperate with all other contractors who may be working on the site in order to allow for the orderly progress of work being done.
- 2.4 The Contractor is required to keep the Project Manager fully informed of any proposed work that will tend to interfere with the existing operations at the site.
- 2.5 The Contractor shall schedule all work to accommodate the Homeowner and City's schedule. In the event Contractor's schedule falls on weekends, nights or overtime work is required, no additional compensation will be allowed. All work shall be part of this contract without regard to when it is done.
- 2.6 The Contractor is responsible to schedule all work to accommodate each individual homeowner. Please be sure to check all electrical connections to each garage, which also includes disconnecting any live charges. ***Note: Items 3, 4 and 5 are for demolition of garage only and owners currently reside in each house.***

3. PROTECTION OF WORK

The Contractor shall maintain adequate protection of all his/her work from damage and shall protect all public and private abutting property from injury or loss arising in connection with this contract. He/She shall provide and maintain all barricades, lights, fences, watchpersons or other facilities necessary to protect all persons from danger or hazardous conditions resulting from the work in the contract.

4. PROTECTION OF PROPERTY

4.1 The Contractor shall confine his/her equipment and operations to those areas of the work site necessary for the completion of the work, or as authorized by the Project Manager. The Contractor shall protect and preserve from damage any facilities, utilities or features including trees, shrubs and turf that are not required to be disturbed by the scope of work.

4.2 The Contractor shall be responsible for determining the location of and for protecting from damage any utilities or other improvements.

5. REMOVAL OF RUBBISH

The Contractor shall daily remove all rubbish and accumulated materials due to his/her construction.

6. RESPONSIBILITY OF CONTRACTOR

6.1 Contractor shall be responsible for his/her own work and every part thereof and all work of every description used in connection with this contract. He/She shall specifically and distinctly assume and does assume all risk of damage from any action or operations under the contract or in connection with his/her work. He/She undertakes and promises to protect and defend the owner(s) against all claims on account any such damage or injury.

6.2 The contractor shall be held responsible for the satisfactory and complete execution of the work in accordance with the true intent of the specifications. He/She shall provide, without extra cost incidental items required as a part of his/her work even though not particularly specified or indicated.

6.3 The contractor shall personally superintend the work or shall have a competent person at the site at all times to act for him/her.

7. SITE SECURITY

The Contractor shall be responsible for job site security of all materials and tools provided by him/her and no claim for loss or damage will be considered by the City.

8. SITE ACCESS

The City will provide fair and reasonable access to the job site within the working schedules of both parties.

9. MATERIALS INSPECTION AND RESPONSIBILITY

- 9.1 The Project Manager shall have the right to inspect any materials to be used in carrying out the terms of the contract.
- 9.2 Any materials, equipment, components or completed work which does not comply with contract specifications or applicable city and state codes may be rejected by the City, and shall be replaced by the Contractor at no cost to the City.
- 9.3 Any reference in these documents to standard specifications shall mean the latest revisions of these specifications and shall become a part of this contract. Any part of the work not completely detailed in these documents, or referenced to a standard specification, shall be governed by the latest edition of the proper industry document.

10. GUARANTEE

The Contractor shall guarantee all of his/her work for a period of one (1) year following the date of final acceptance of the completed work and shall repair, replace or make good any materials or work that fail to function or perform or be found defective, without cost to the city.

11. SAFETY

The Contractor shall comply with all applicable OSHA and MIOSHA regulations.

12. UNDERGROUND UTILITIES

For protection of underground utilities, the Contractor shall dial Miss Dig at 1-800-482-7171 a minimum of 72 hours prior to excavating in the vicinity of utility lines. All “Miss Dig” participating members will thus be routinely notified. This does not relieve the Contractor of notifying utility owners who may not be part of the “Miss Dig” alert system.

13. FOR DEMOLITION CONTRACTS

- 13.1 All protection and control devices within the area of demolition shall be considered as incidental to the completion of the work and no extra payment, therefore, will be made. For purposes of this contract, the area of demolition shall be considered any area in which work is in such a stage of demolition so that safe travel of the public is affected.
- 13.2 Streets/roads shall remain open for access to frontage properties, as much as practicable, where such will not unduly interfere with the prosecution of the work. The portion of the streets open to through traffic shall be maintained in a passable condition. The procedures shall follow MDOT 6.31 Maintaining Traffic, except that City supplied signs shall be limited to detours. Maintaining traffic is considered to be incidental to the work and no extra payment, therefore, shall be made.

14. DOCUMENT FEES AND NUMBER OF DAYS

All bonds, permits, licenses or certifications of insurance required for the performance of the work specified herein shall be obtained and paid for by the Contractor, and proof of same provided to the Purchasing Director within ten (10) days after notification of the contract award; all work under the contract shall be completed in compliance with the Kalamazoo City Code within ninety (90) days of when all permits, licenses and certificates should have been obtained and all fees paid as stated above.

15. ORDINANCE

ALL DEMOLITION WORK SHALL COMPLY WITH CHAPTER 9, ARTICLE VI, Subsections 9-251 through 9-313 of the Kalamazoo Code, statutes, ordinances, laws, rules and regulations as now written and amended from time to time.

16. VIRTUAL PRE-BID MEETING & INSPECTION OF PROJECT SITE

Before submitting bids for his/her work, the Contractor shall be responsible for examining the work site and satisfying himself/herself as to the existing conditions under which he/she will be obligated to operate, or that in any way affects the work under this contract. No allowance shall be made subsequently, on behalf of the Contractor, for any negligence on his/her part. A virtual pre-bid meeting is scheduled for **April 25, 2023 @ 11:30 a.m.** Then proceed to project sites at your own pace, open until 4:00 p.m. Click [here](#) to register in advance for this Zoom meeting. Questions may be emailed to Roger Iveson at ivesonr@kalamazoo.org by **3:00 p.m. on May 1, 2023.**

17. QUESTIONS

Questions concerning the building(s) to be demolished, the demolition site, SCOPE OF WORK/PROJECT DESCRIPTION, SPECIAL INSTRUCTIONS FOR RESIDENTIAL & LIGHT COMMERCIAL DEMOLITIONS, or SPECIAL REQUIREMENTS-DEMOLITION or laws and ordinances governing the demolition work may be directed to Roger Iveson, City Building Official at ivesonr@kalamazoo.org or (269) 337-8560. Questions regarding the bid or award process may be directed to Monica Johnson, Buyer at johnsonm2@kalamazoo.org or (269) 337-8603.

**SECTION V
INDEMNITY AND INSURANCE**

Contractor, or any of their subcontractors, shall not commence work under this contract until they have obtained the insurance required under this paragraph, and shall keep such insurance in force during the entire life of this contract. All coverage shall be with insurance companies licensed and admitted to do business in the State of Michigan and acceptable to the City of Kalamazoo within ten (10) days of the Notice of Award. The requirements below should not be interpreted to limit the liability of the Contractor. All deductibles and SIR's are the responsibility of the Contractor.

The Contractor shall procure and maintain the following insurance coverage:

Workers' Compensation Insurance including Employers' Liability Coverage, in accordance with all applicable statutes of the State of Michigan.

Commercial General Liability Insurance on an "Occurrence Basis" with limits of liability not less than \$1,000,000 per occurrence and aggregate. Coverage shall include the following extensions: (A) Contractual Liability; (B) Products and Completed Operations; (C) Independent Contractors Coverage; (D) Broad Form General Liability Extensions or equivalent, if not already included and (E) XCU coverage if the nature of the contract requires XC or U work.

Automobile Liability in accordance with all applicable statutes of the State of Michigan, with limits of liability not less than \$1,000,000 per occurrence, combined single limit for Bodily Injury, and Property Damage. Coverage shall include all owned vehicles, all non-owned vehicles, and all hired vehicles.

Additional Insured: Commercial General Liability and Automobile Liability, as described above, shall include an endorsement stating that the following shall be *Additional Insureds*: The City of Kalamazoo, all elected and appointed officials, all employees and volunteers, all boards, commissions, and/or authorities and board members, including employees and volunteers thereof. It is understood and agreed that by naming the City of Kalamazoo as additional insured, coverage afforded is considered to be primary and any other insurance the City of Kalamazoo may have in effect shall be considered secondary and/or excess.

To the fullest extent permitted by law the Contractor agrees to defend, pay on behalf of, indemnify, and hold harmless the City of Kalamazoo, its elected and appointed officials, employees, agents and volunteers, and others working on behalf of the City of Kalamazoo against any and all claims, demands, suits, or loss, including all costs connected therewith, and for any damages which may be asserted, claimed, or recovered against or from the City of Kalamazoo, by reason of personal injury, including bodily injury or death and/or property damage, including loss of use thereof, which arises out of, or is in any way connected or associated with this contract.

Cancellation Notice: All policies, as described above, shall include an endorsement stating that it is understood and agreed that thirty (30) days, or ten (10) days for non-payment of premium, Advance Written Notice of Cancellation, Non-Renewal, Reduction, and/or Material Change shall be sent to: City of Kalamazoo, Purchasing Division, 241 W. South Street, Kalamazoo, MI 49007.

Proof of Insurance Coverage: The Contractor shall provide the City of Kalamazoo at the time that the contracts are returned by him/her for execution, or within 10 days of Notice of Award, whichever is earlier, a Certificate of Insurance as well as the required endorsements. In lieu of required endorsements, if applicable, a copy of the policy sections where coverage is provided for additional insured and cancellation notice would be acceptable. Copies or certified copies of all policies mentioned above shall be furnished, if so requested.

SECTION V
INDEMNITY AND INSURANCE
(Continued)

If any of the above coverages expire during the term of this contract, the Contractor shall deliver renewal certificates and/or policies to City of Kalamazoo at least ten (10) days prior to the expiration date.

Scope of Coverage: The above requirements and conditions shall not be interpreted to limit the liability of the Contractor under this Contract, but shall be interpreted to provide the greatest benefit to the City and its officers and employees. The above listed coverages shall protect the Contractor, its employees, agents, representatives and subcontractors against claims arising out of the work performed. It shall be the Contractor's responsibility to provide similar insurance for each subcontractor or to provide evidence that each subcontractor carries such insurance in like amount prior to the time such subcontractor proceeds to perform under the contract.

SECTION VI
TERMS AND CONDITIONS

1. AWARD OF CONTRACT

- A. This contract will be awarded to that responsible bidder whose bid, conforming to this solicitation, will be most advantageous to the City, price and other factors considered. The City reserves the right to accept or reject any or all bids and waive informalities and minor irregularities in bids received. Other factors include, as an example but not limited to, delivery time, conformance to specifications, incidental costs such as demurrage and deposits, etc.

Notification of award will be in writing by the Purchasing Director. Upon notification, the Contractor shall submit to the Purchasing/Risk Management Division all required insurance certificates (if required) and such other documentation as may be requested or required hereunder. Upon their receipt and subsequent approval by the City, the Purchasing Director will forward to the Contractor a written **NOTICE TO PROCEED**. Work shall **NOT** be started until such **NOTICE TO PROCEED** is received by the Contractor.

- B. Unilateral changes in bid prices by the bidder shall not be allowed. However, the City, at its sole option, reserves the right to negotiate with bidders in the event of, but not limited to:

- 1) No bids received;
- 2) A single bid being received; or
- 3) Prices quoted are over budget and/or unreasonable.

2. COMPLETE CONTRACT

This bid document together with its addenda, amendments, attachments and modifications, when executed, becomes the complete contract between the parties hereto, and no verbal or oral promises or representations made in conjunction with the negotiation of this contract shall be binding on either party.

3. SUBCONTRACTORS - NON-ASSIGNMENT

Bidders shall state in writing any and all sub-contractors to be associated with this bid, including the type of work to be performed. The Contractor shall cooperate with the City of Kalamazoo in meeting its commitments and goals with regard to maximum utilization of minority and women-owned business enterprises.

The Contractor hereby agrees and understands that the contract resulting from this solicitation shall not be transferred, assigned or sublet without prior written consent of the City of Kalamazoo.

4. TAXES

The City of Kalamazoo is exempt from all federal excise tax and state sales and use taxes. However, depending upon the situation, the vendor or contractor may not be exempt from said taxes and the City of Kalamazoo is making no representation as to any such exemption.

5. **INVOICING**

All original invoice(s) will be sent to the Finance Division, 241 W. South Street, Kalamazoo, MI 49007 or via email at apinvoice@kalamazoocity.org. Faxed copy of invoice(s) will not be accepted, unless it is to replace an original invoice that was lost in the mail. The Finance Division processes payments after receipt of an original invoice from the Contractor and approval by the department.

The City of Kalamazoo policy is to pay invoice(s) within 30 days from the receipt of the original invoice, if the services or supplies are satisfactory and the proper paperwork and procedures have been followed. In order to guarantee payment to the vendor on a timely basis, the vendor needs to receive a purchase order number before supplying the City of Kalamazoo with goods or services. All original, and copies of original invoice(s), will clearly state which purchase order they are being billed against.

The City of Kalamazoo is a government municipality and therefore is tax exempt from all sales tax. Our tax-exempt number is 38-6004627.

The vendor is responsible for supplying the Finance Division with a copy of their W-9 if they are providing a service to the City of Kalamazoo.

6. **PAYMENTS**

Unless otherwise specified by the City in this contract, the Contractor will be paid in not more than thirty (30) days after receipt of a properly executed invoice, the sum stipulated herein for supplies delivered and accepted, or service rendered and accepted. Payments are processed by the Budget & Accounting Division after receipt of an original invoice from the Contractor and approval by the department.

7. **CHANGES AND/OR CONTRACT MODIFICATIONS**

The City reserves the right to increase or decrease quantities, service or requirements, or make any changes necessary at any time during the term of this contract, or any negotiated extension thereof. Price adjustments due to any of the foregoing changes shall be negotiated and mutually agreed upon by the Contractor and the City.

Changes of any nature after contract award which reflect an increase or decrease in requirements or costs shall not be permitted without prior approval by the Purchasing Director. City Commission approval may also be required. **SUCH CHANGES, IF PERFORMED IN ADVANCE OF PURCHASING DIRECTOR APPROVAL, MAY BE SUBJECT TO DENIAL AND NON-PAYMENT.**

8. **LAWS, ORDINANCES AND REGULATIONS**

The Contractor shall keep himself/herself fully informed of all local, state and federal laws, ordinances and regulations in any manner affecting those engaged or employed in the work and the equipment used. Contractor and/or employees shall, at all times, serve and comply with such laws, ordinances and regulations.

Any permits, licenses, certificates or fees required for the performance of the work shall be obtained and paid for by the Contractor.

This contract shall be governed by the laws of the State of Michigan.

9. RIGHT TO AUDIT

The City or its designee shall be entitled to audit all of the Contractor's records, and shall be allowed to interview any of the Contractor's employees, throughout the term of this contract and for a period of three years after final payment or longer if required by law to the extent necessary to adequately permit evaluation and verification of:

- A. Contractor compliance with contract requirements,
- B. Compliance with provisions for pricing change orders, invoices or claims submitted by the Contractor or any of his payees.

10. HOLD HARMLESS

If the acts or omissions of the Contractor/Vendor or its employees, agents or officers, cause injury to person or property, the Contractor/Vendor shall defend, indemnify and save harmless the City of Kalamazoo, its agents, officials, and employees against all claims, judgments, losses, damages, demands, and payments of any kind to persons or property to the extent occasioned from any claim or demand arising therefrom.

11. DEFAULT

The City may at any time, by written notice to the Contractor, terminate this contract and the Contractor's right to proceed with the work, for just cause, which shall include, but is not limited to the following:

- A. Failure to provide insurance and bonds (when called for), in the exact amounts and within the time specified or any extension thereof.
- B. Failure to make delivery of the supplies, or to perform the services within the time specified herein, or any extension thereof.
- C. The unauthorized substitution of articles for those bid and specified.
- D. Failure to make progress if such failure endangers performance of the contract in accordance with its terms.
- E. Failure to perform in compliance with any provision of the contract.
- F. **Standard of Performance** - Contractor guarantees the performance of the commodities, goods or services rendered herein in accordance with the accepted standards of the industry or industries concerned herein, except that if this specification calls for higher standards, then such higher standards shall be provided.

Upon notice by the City of Contractor's failure to comply with such standards or to otherwise be in default of this contract in any manner following the Notice to Proceed, Contractor shall immediately remedy said defective performance in a manner acceptable to the City. Should Contractor fail to immediately correct said defective performance, said failure shall be considered a breach of this contract and grounds for termination of the same by the City.

In the event of any breach of this contract by Contractor, Contractor shall pay any cost to the City caused by said breach including but not limited to the replacement cost of such goods or services with another Contractor.

Standard of Performance (*cont.*)

The City reserves the right to withhold any or all payments until any defects in performance have been satisfactorily corrected.

In the event the Contractor is in breach of this contract in any manner, and such breach has not been satisfactorily corrected, the City may bar the Contractor from being awarded any future City contracts.

- G. All remedies available to the City herein are cumulative and the election of one remedy by the City shall not be a waiver of any other remedy available to the City either listed in this contract or available by operation of law.

12. INDEPENDENT CONTRACTOR

At all times, the Contractor, any of his/her employees, or his/her sub-contractors and their subsequent employees shall be considered independent contractors and not as City employees. The Contractor shall exercise all supervisory control and general control over all workers' duties, payment of wages to Contractor's employees and the right to hire, fire and discipline their employees and workers. As an independent contractor, payment under this contract shall not be subject to any withholding for tax, social security or other purposes, nor shall the Contractor or his/her employees be entitled to sick leave, pension benefit, vacation, medical benefits, life insurance or workers' unemployment compensation or the like.

13. PROJECT SUPERVISOR

The Contractor shall employ an individual to act as Project Supervisor. The Project Supervisor shall be available to the Contractor's workers and the Project Manager at all times by use of a cell phone, pager or other reliable means. The Project Supervisor shall prepare daily work plans for the employees, monitor employee performance, attendance and punctuality; and work closely with the City's Project Manager in assuring contract compliance.

14. MEETINGS

The Contractor and/or Project Supervisor shall be available to meet with the Department Head or Project Manager at a mutually agreeable time to discuss problems, issues or concerns relative to the contract. Either party may call a meeting at any time. When such a request for a meeting is made, the meeting date shall, in no case exceed five (5) working days after the request; and, if in the sole opinion of the Department Head, the severity of the circumstance warrants, no more than one (1) working day.

APPENDIX A
NON-DISCRIMINATION CLAUSE FOR ALL CITY OF KALAMAZOO CONTRACTS

The Contractor agrees to comply with the Federal Civil Rights Act of 1964 as amended; the Federal Civil Rights Act of 1991 as amended; the Americans With Disabilities Act of 1990 as amended; the Elliott-Larson Civil Rights Act, Act. No. 453, Public Act of 1976 as amended; the Michigan Handicappers Civil Rights Act, Act No. 220, Public Act of 1976 as amended, City Ordinance 1856 and all other applicable Federal and State laws. The Contractor agrees as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, national origin, sex, age, height, weight, marital status, physical or mental disability, family status, sexual orientation or gender identity that is unrelated to the individual's ability to perform the duties of the particular job or position. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment advertising, layoff or termination; rates of pay or other forms of compensations; and selection for training, including apprenticeship.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, sex, age, height, weight, marital status, physical or mental disability family status, sexual orientation or gender identity that is unrelated to the individuals ability to perform the duties of the particular job or position.
3. If requested by the City, the Contractor shall furnish information regarding practices, policies and programs and employment statistics for the Contractor and subcontractors. The Contractor and subcontractors shall permit access to all books, records and accounts regarding employment practices by agents and representatives of the City duly charged with investigative duties to assure compliance with this clause.
4. Breach of the covenants herein may be regarded as a material breach of the contract or purchasing agreement as provided in the Elliott-Larsen Civil Rights Act and City Ordinance 1856.
5. The Contractor will include or incorporate by reference the provisions of the foregoing paragraphs 1 through 4 in every subcontract or purchase order unless exempted by the rules, regulations or orders of the Michigan Civil Rights Commission* and will provide in every subcontract or purchase order that said provision will be binding upon each subcontractor or seller.
6. The Contractor will not preclude a person with a criminal conviction from being considered for employment unless otherwise precluded by federal or state law. (for contracts over \$25,000)

The Elliott-Larson Civil Rights Act, Sec. 202 of Act. No. 453 of 1976 reads in part as follows:

Sec. 202. (1) An employer shall not:

- (a) Fail or refuse to hire, or recruit, or discharge or otherwise discriminate against an individual with respect to employment, compensation, or a term condition or privilege of employment because of religion, race, color, national origin, age, sex, height, weight or marital status.
- (b) Limit, segregate or classify an employee or applicant for employment in a way which deprives or tends to deprive the employee or applicant of an employment opportunity or otherwise adversely affects the status of an employee or applicant because of religion, race, color, national origin, age, sex, height, weight or marital status.
- (c) Segregate, classify or otherwise discriminate against a person on the basis of sex with respect to a term, condition or privilege of employment, including a benefit plan or system.

* Except for contracts entered into with parties employing less than three employees. 1-2010

**APPENDIX C
FEDERAL PROVISIONS FOR CDBG PROJECTS**

1. EQUAL EMPLOYMENT OPPORTUNITY

The contractor and any subcontractors shall comply with E.O. 11246, "Equal Employment Opportunity," as amended by E.O. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and as supplemented by regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

2. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT

Contracts or agreements for the performance of experimental, developmental, or research work shall provide for the rights of the Federal Government and the recipient in any resulting invention in accordance with 37 CFR part 401, "Rights to Invention Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

3. CLEAN AIR ACT (42 U. S.C. 7401 ET SEQ.) AND THE FEDERAL WATER POLLUTION CONTROL ACT (33 U.S.C. 1251 et seq.), as amended

For contracts and subcontracts of amounts in excess of \$100,000 the contractor or subcontractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401 et seq.). Violations shall be reported to the Federal awarding agency and the Regional Agency (EPA).

4. BYRD ANTI-LOBBYING AMENDMENT (31 U.S.C. 1352)

Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient.

5. DEBARMENT AND SUSPENSION (E.O.S 12549 AND 12689)

No contract shall be made to parties listed on the General Services Administration's List of Parties Excluded from Federal Procurement or Non-procurement Programs in accordance with E.O.s 12549 and 12689, "Debarment and Suspension." This list contains the names of parties debarred, suspended or otherwise excluded by agencies, and contractors declared ineligible under statutory or regulatory authority other than E.O. 12549. Contractors with awards that exceed the small purchase threshold shall provide the required certification regarding its exclusion status and that of its principal employees.

6. CONFLICT OF INTEREST

The bidder certifies by their signature on the bid form that they have not participated in any arrangement or agreement with; nor offered anything of value to or received anything from an official or employee of the City that would tend to destroy or hinder free competition.

7. **DRUG FREE WORKPLACE**

The Contractor will continue to provide a drug-free workplace by:

- 7.1 Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- 7.2 Establishing an ongoing drug-free awareness program to inform employees about –
 - (a) The dangers of drug abuse in the workplace;
 - (b) The grantee's policy of maintaining a drug-free workplace;
 - (c) Any available drug counseling, rehabilitation, and employee assistance programs; and
 - (d) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
- 7.3 Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph 1;
- 7.4 Notifying the employee in the statement required by paragraph 1 that, as a condition of employment under the grant, the employee will -
 - (a) Abide by the terms of the statement; and
 - (b) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
- 7.5 Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph 4(b) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer or other designee on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;
- 7.6 Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph 4(b), with respect to any employee who is so convicted:
 - (a) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
 - (b) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
- 7.7 Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs 8.1 - 8.6.

8. **THE CONTRACTOR AND ITS CONTRACT WORK HOURS AND SAFETY STANDARDS ACT—OVERTIME COMPENSATION (JULY 2005)**

(a) *Overtime requirements.* No Contractor or subcontractor employing laborers or mechanics (see Federal Acquisition Regulation [22.300](#)) shall require or permit them to work over 40 hours in any workweek unless they are paid at least 1 and 1/2 times the basic rate of pay for each hour worked over 40 hours.

(b) *Violation; liability for unpaid wages; liquidated damages.* The responsible Contractor and subcontractor are liable for unpaid wages if they violate the terms in paragraph (a) of this clause. In addition, the Contractor and subcontractor are liable for liquidated damages payable to the Government. The Contracting Officer will assess liquidated damages at the rate of \$10 per affected employee for each calendar day on which the employer required or permitted the employee to work in excess of the standard workweek of 40 hours without paying overtime wages required by the Contract Work Hours and Safety Standards Act.

(c) *Withholding for unpaid wages and liquidated damages.* The Contracting Officer will withhold from payments due under the contract sufficient funds required to satisfy any Contractor or subcontractor liabilities for unpaid wages and liquidated damages. If amounts withheld under the contract are insufficient to satisfy Contractor or subcontractor liabilities, the Contracting Officer will withhold payments from other Federal or federally assisted contracts held by the same Contractor that are subject to the Contract Work Hours and Safety Standards Act.

(d) Payrolls and basic subcontractors shall maintain payrolls and basic payroll records for all laborers and mechanics working on the contract during the contract and shall make them available to the Government until 3 years after contract completion. The records shall contain the name and address of each employee, social security Davis-Bacon Act.

(2) The Contractor and its subcontractors shall allow authorized representatives of the Contracting Officer or the Department of Labor to inspect, copy, or transcribe records maintained under paragraph (d)(1) of this clause. The Contractor or subcontractor also shall allow authorized representatives of the Contracting Officer or Department of number, labor classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. The records need not duplicate those required for construction work by Department of Labor regulations at 29 CFR 5.5(a)(3) implementing the Davis Labor to interview employees in the workplace during working hours.

(e) *Subcontracts.* The Contractor shall insert the provisions set forth in paragraphs (a) through (d) of this clause in subcontracts that may require or involve the employment of laborers and mechanics and require subcontractors to include these provisions in any such lower tier subcontracts. The Contractor shall be responsible for compliance by any subcontractor or lower-tier subcontractor with the provisions set forth in paragraphs (a) through (d) of this clause.

9. **ACCESS TO RECORDS**

All records shall be accessible to the City at reasonable times and under reasonable conditions for the purpose of determining compliance with this Agreement. If the City desires to audit the Sub-recipient's books, it may do so and may, at its discretion, retain an independent certified public accountant (CPA) to audit the Sub-recipient's books to determine whether there is compliance with this Agreement and with federal, state, and local laws and regulations.

10. **COPELAND "ANTI-KICKBACK" ACT CLAUSE**

The Copeland "Anti-Kickback" Act prohibits federal contractors or subcontractors engaged in building construction or repair from inducing an employee to give up any part of the compensation to which he or she is entitled under his or her employment contract and requires such contractors and subcontractors to submit weekly statements of compliance.

CITY OF KALAMAZOO

HUD SECTION 3 POLICY

GENERAL INFORMATION

What is the purpose of Section 3?

To ensure that employment and other economic opportunities generated by certain HUD financial assistance shall, to the greatest extent feasible, and consistent with existing Federal, State and local laws and regulations, be directed to low- and very low-income persons, particularly those who are recipients of government assistance for housing, and to businesses which provide economic opportunities to low- and very low-income persons.

Funding Programs Impacted

Most Housing and Urban Development (HUD) funded programs must meet the requirements of Section 3. Each program should be carefully reviewed to determine if Section 3 is applicable.

Who does it apply to?

- Recipient (City of Kalamazoo HUD funded activities)
- City Contractors and/or Subcontractors for HUD funded construction
- Subrecipients/developers receiving HUD grant funds from the City

Who will enforce it?

City of Kalamazoo

When does it apply (triggers)?

The requirements of Section 3 apply:

- To the entire project that is funded, regardless of whether the activity is fully or partially funded, with Section 3 covered assistance.
- If it is necessary to hire new workers or contract work out to complete the contracted job.

What is a Section 3 Resident?

A Section 3 Resident must:

- Reside in the metropolitan area or non-metropolitan area in which the Section 3 covered assistance is expended.
- Be low income with a gross household income less than 80% of the area median income as established by HUD.

Income limits can be found at: <http://www.huduser.org/portal/datasets/pdrdatas.html>

What is a Section 3 Business?

A Section 3 Business is one of the following:

- Businesses that are 51 percent or more owned by Section 3 Residents;
- Businesses whose permanent, full-time employees include persons, at least 30 percent of whom are currently Section 3 Residents, or within three years of the date of first employment with the firm were Section 3 Residents; or
- Businesses that provide evidence of a commitment to subcontract in excess of 25 percent of the dollar amount of all subcontracts to be awarded to businesses that meet the qualifications described above.

NUMERICAL GOALS

The City of Kalamazoo will make every effort to meet the following goals established by HUD through 24 CFR 135.30 when contracting for projects or hiring positions that are funded by HUD and for which Section 3 is applicable:

1. New hires – 30 percent of all new hires funded with HUD grant monies will be Section 3 Residents.
2. Contracts
 - 10 percent of total dollar amount of all Section 3 covered construction contracts.
 - 3 percent of total dollar amount of all other Section 3 non-construction covered contracts.

PREFERENCE POLICY (*pending Commissioner Approval*)

Preference shall be given to Section 3 Businesses when awarding contracts, funded in whole or in part, by HUD grant monies according to the following system:

1. When a Section 3 covered contract is to be awarded based upon the lowest price of a responsive and responsible bidder, the following shall apply in order of preference:
 - a. The contract shall be awarded to the lowest bid of the most responsive and responsible Section 3 Business located in one of the CDBG eligible Census tracts and if their bid is no more than 10 percent higher than the lowest accepted bid.
 - b. The contract shall be awarded to the lowest bid of the most responsive and responsible Section 3 Business if their bid is no more than 10 percent higher than the lowest accepted bid.
 - c. If no responsive bid by a qualified Section 3 Business is within 10 percent of the lowest accepted bid, the award shall be made to the lowest bid.
2. Where a Section 3 contract is to be awarded based on factors other than price:
 - a. The request for proposals must clearly define the professional services needed, identifying all qualifications to be considered including price.
 - b. A rating system for the assignment of points shall be included in the request for proposals to evaluate the qualifications of the proposal.
 - c. 10 percent of the total number of rating points will be set aside for Section 3 Businesses located within an eligible CDBG Census tract and five percent shall be set aside for Section 3 Businesses located outside eligible Census tracts.
 - d. The contract shall be awarded to the most responsive and responsible firm whose proposal is the most advantageous considering price and all other factors specified in the rating system.

ADDITIONAL REQUIREMENTS

1. Section 3 Businesses:

- a. The opportunity to register and apply as a Section 3 Business will be a part of the initial pre-bid meeting as well a part of the bid package. Section 3 certification forms for both the business and resident will be a part of the bid package.
- b. Organizations claiming to be a Section 3 Business are required to complete the necessary certifications and include them with their bid package to be considered for the preference policy. *Certification as a Section 3 Business must be notarized.*

2. Section 3 Residents:

Section 3 Residents must fill out the required resident form and be able to provide proof, if requested.

3. Requirements of the Contractor/Business:

- a. Actively recruit Section 3 Residents for positions required to fulfill their contract.
- b. Verify eligibility of potential employees.
- c. Report to City the total number of employees working on the HUD-assisted project.
- d. Report to City the total number of employees working on the HUD-assisted project that meet Section 3 requirements.
- e. Report to City the total number of new hires/trainees hired to work on the HUD-assisted project and grant that meet Section 3 requirements.
- f. Report to City the efforts made to direct employment and other economic opportunities generated by HUD funding to Section 3 Residents and Businesses.

4. Filing Complaints:

Any Section 3 Resident, Business or City of Kalamazoo resident may file a complaint alleging noncompliance with Section 3. Complaints should be filed with the Assistant Secretary for Fair Housing and Equal Opportunity, Department of Housing and Urban Development, Washington, DC 20410.

5. Failure to Comply:

The City of Kalamazoo will not enter into an agreement with a contractor found to be in violation of applicable statutes and /or HUD regulations

Sanctions include:

- a. Debarment (if contractor)
- b. Suspension of funds
- c. Limited denial of participation in HUD funded programs

6. City of Kalamazoo Reporting Requirements:

The City of Kalamazoo Community Planning and Development Department is required to provide the Section 3 Summary Report (form 60002) to the U. S. Department of Housing and Urban Development on an annual basis.

City of Kalamazoo
HUD SECTION 3 BUSINESS AFFIDAVIT
Businesses Claiming Status as a Section 3 Business

NAME OF BUSINESS:

ADDRESS OF BUSINESS:

CONTACT PERSON:

TELEPHONE NUMBER/ E-MAIL ADDRESS:

LOCAL JURISDICTION AND PROJECT

NAME _____

DEFINITIONS:

Section 3 Business is a business that meets one of the following criteria:

- a) A business where at least 51 percent is owned by Section 3 residents; or
- b) A business where at least 30 percent of the permanent, full-time employees are currently Section 3 residents, or within three years of the date of first employment with the business were Section 3 residents; or
- c) A business that provides evidence of a commitment to subcontract in excess of 25 percent of the dollar award of all subcontracts to businesses that meet the qualifications set forth in paragraphs (a) or (b) above.

Section 3 Area Resident is defined as follows:

- a) A public housing resident; or
- b) An individual who resides in the project area (local jurisdiction) and who is considered a low-income person as defined by HUD (any person with a gross household income less than 80 percent of the area median income, which is adjusted for household size).

FY2019 Income Limits

FY 2019 Income Limits Summary

Selecting any of the buttons labeled "Explanation" will display detailed calculation steps for each of the various parameters.

| FY 2019 Income Limit Area | Median Family Income Explanation | FY 2019 Income Limit Category | Persons in Family | | | | | | | |
|----------------------------------|--|---|-------------------|--------|--------|---------------|--------|--------|--------|--------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Kalamazoo-Portage, MI MSA | \$73,900 | Very Low (50%) Income Limits (\$) Explanation | 25,900 | 29,600 | 33,300 | 36,950 | 39,950 | 42,900 | 45,850 | 48,800 |
| | | Extremely Low Income Limits (\$)* Explanation | 15,550 | 17,750 | 21,330 | 25,750 | 30,170 | 34,590 | 39,010 | 43,430 |
| | | Low (80%) Income Limits (\$) Explanation | 41,400 | 47,300 | 53,200 | 59,100 | 63,850 | 68,600 | 73,300 | 78,050 |

SECTION 3 BUSINESS STATUS:

1. Type of Business:
 - Corporation
 - Partnership
 - Sole Proprietorship
 - Joint Venture

2. Type of Section 3 Business:
 - 51 percent owned by Section 3 residents
 - 30 percent of employees are Section 3 residents
 - 25 percent of subcontracts will go to Section 3 businesses

3. For business claiming Section 3 status where 51 percent is owned by Section 3 residents attach a list of Section 3 owners and their percentage of ownership in the business.

4. For business claiming Section 3 status where at least 30 percent of their workforce are currently Section 3 residents or were Section 3 eligible residents within 3 years of date of first employment with the business attached the following:
 - a. List of all current full-time employees
 - b. List of all employees claiming Section 3 status and date of employment

5. For business claiming Section 3 status by subcontracting 25 percent of the dollar awarded to qualified Section 3 business attach a list of subcontracted Section 3 businesses, how they qualify as a Section 3 business and the subcontract amount.

VERIFICATION:

Under penalty of perjury, I certify that I am the _____ (Title)
of the Company, that I am authorized by the Company to execute this affidavit on its behalf, that I have
personal knowledge of the certifications made in this affidavit and that the same are true.

Name (*signature*)

Name (*printed*)

State of _____ County of _____

Subscribed and sworn to before me this _____ day of _____,

Notary Public

My Commission Expires: _____



ASBESTOS REPORTS

(1412 N Burdick St, 1413 N Edwards St, 130 Balch, 1016 Denner St, 832 Staples Ave)

DEMOLITION OF 2 HOUSES & 3 GARAGES

BID REFERENCE# 91240-019.0



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



| | |
|--|--------------------------------|
| Client Name: | City of Kalamazoo |
| Project Name: | Residential Asbestos Survey |
| Project Number: | 188BS22726 |
| Project Site Address (Subject Property): | 1412 N. Burdick, Kalamazoo, MI |
| Date of Site Visit: | 11/22/22 |
| Asbestos Inspection Performed by: | Andrew DeLodder (A48677) |
| Asbestos Inspector's Signature: | <i>Andrew DeLodder</i> |
| Areas Not Accessible: | All Areas Accessible |
| Number of Floors: | House and Garage |
| 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 pre-demolition asbestos and other regulated materials inspection of the subject unoccupied residential 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 |
|-------------|---|-------------------------------|----------|--|-----------------|
| 3-TS-A,B,C | Transite Siding, Under Vinyl Siding | EA-1,2,3,4 | 1,880 SF | PLM 10% Chrysotile | CAT II |
| 17-SC-A,B,C | Stack Cement | FS-16 | 10 SF | PLM 20% Chrysotile (Layer C, Stack Cement Only) | CAT II |
| 21-PI-A,B,C | Pipe Insulation - Duct Wrap Around Pipe. Located Adjacent to South Side of Stack | FS-2 | 5 LF | PLM 30% Chrysotile | RACM |
| 22-DW-A,B,C | Duct Wrap - on Ducts and Risers Within Walls and Floors | FS-2, Located Within Walls | 375 SF | PLM 30% 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 - House, Black | EA-1 | ND |
| 2-RM-A,B,C | Roofing Material - Garage, Black | EA-10 | ND |
| 3-TS-A,B,C | Transite Siding, Under Vinyl Siding | EA-1,2,3,4 | PLM 10% CHrysotile |
| 4-VP-A,B,C | Vapor Paper - Under Transite Siding | EA-1,2,3,4 | ND |

| | | | |
|------------------|--|------------------------------------|---|
| 5-VP-A,B,C | Vapor Paper - Under Transite Siding Seam | EA-1,2,3,4 | ND |
| 6-VP-A,B,C | Vapor Paper - Roll of Vapor Paper in Garage Interior | FS-16 | ND |
| 7-EC-A,B,C | Exterior Caulk - White, Around Service Door Perimeter | EA-9 | ND |
| 8-EC-A,B,C | Exterior Caulk - White, on Aluminum Siding, Roofline | EA-1,2,3,4 | ND |
| 9- EC-A,B,C | Exterior Caulk - Grey on Electrical Penetration | EA-3 | ND |
| 10-EC-A,B,C | Exterior Caulk - Grey, on Transite | EA-1,2,3,4 | ND |
| 11-WG-A,B,C | Window Glaze - Stack of Windows in Garage Interior | FS-16 | ND |
| 12-PL-A,B,C | Plaster - Debris from Former "Plaster-on-Lath" Application Located Within Walls. | FS-5,6,7,8,9,10,11,12,13,14 | ND |
| 13-TPL-A,B,C | Textured Plaster - Debris Pile in Garage Interior | FS-16 | ND |
| 14-TPL-A,B,C,D,E | Textured Plaster - Rough Texture, on Ceilings | FS-5,6,7,8,9,10,12,13,14 | ND |
| 15-WBS-A,B,C | Wallboard System - Debris Pile in Garage Interior | FS-16 | ND |
| 16-WBS-A,B,C | Wallboard System - House Walls and Ceiling | FS-2,3, 4,5,6,7,8,9,10,11,12,13,14 | ND |
| 17-SC-A,B,C | Stack Cement | FS-16 | PLM 20% Chrysotile (Layer C, Stack Cement Only) |
| 18-HS-A,B,C | Heat Shield - Under Light Fixtures | FS-5,6,7,8,10,11,12,13,14 | ND |
| 19-VD-A,B,C | Vibration Dampener - Black Vinyl, on HVAC Ducts | FS-2 | ND |
| 20-VD-A,B,C | Vibration Dampener - Grey, on HVAC Ducts | FS-2 | ND |
| 21-PI-A,B,C | Pipe Insulation - Duct Wrap Around Pipe. Located Adjacent to South Side of Stack | FS-2 | PLM 30% Chrysotile |
| 22-DW-A,B,C | Duct Wrap - on Ducts and Risers Within Walls and Floors | FS-2, Located Within Walls | PLM 30% Chrysotile |

| | | | |
|--------------|---|------------------|----|
| 23-MLF-A,B,C | Multi-Layer Floor - Stairs to Basement Landing | FS-4 | ND |
| 24-FS-A,B,C | Floor Sheeting - Stone Pattern, Vinyl | FS-6 | ND |
| 25-MLF-A,B,C | Multi-Layer Floor | FS-7, 8 | ND |
| 26-CA-A,B,C | Construction Adhesive - Under Tub Surround Debris | FS-6 | ND |
| 27-CA-A,B,C | Construction Adhesive - Under Cove Base | FS-8 | ND |
| 28-BM-A,B,C | Brick Mortar - CMU Block Wall | FS-2,3 | ND |
| 29-BM-A,B,C | Brick Mortar - Exterior Foundation | EA-1,2,3,4 | ND |
| 30-BM-A,B,C | Brick Mortar - Stack | FS-1 | ND |
| 31-BM-A,B,C | Brick Mortar - Interior Foundation Wall | FS-2,3 | ND |
| 32-BM-A,B,C | Brick Mortar - Garage CMU Block Walls | EA-6,7,8,9 | ND |
| 33-CC-A,B,C | Concrete Chip - Exterior | EA-1,2,3,4, 6,9 | ND |
| 34-CC-A,B,C | Concrete Chip - Garage Floor | FS-16 | ND |
| 35-CC-A,B,C | Concrete Chip - Basement Floor | FS-2,3 | ND |
| 36-CC-A,B,C | Concrete Chip - Raised Pad (SE Corner of Basement) | FS-2 | ND |
| 37-BI-A,B,C | Blown-In Insulation - White, in Attic | FS-15 | ND |
| 38-RI-A,B,C | Rolled-In Insulation - Red Fiberglass with Brown Paper, in Rat-Wall | FS-2,3 | ND |
| 39-RI-A,B,C | Rolled-In Insulation - In Exterior Walls | EA-1,2,3,4 | ND |
| 40-IC-A,B,C | Interior Caulk - White, Around Window Trim | FS-5,6,7,8,9,10, | ND |

| | | | |
|-------------|--|------------------|----|
| 41-IC-A,B,C | Interior Caulk - White, Around Door Trim | FS-5,6,7,8,9,10, | ND |
| 42-SU-A,B,C | Sink Undercoating - Black, Kitchen Sink | FS-7 | ND |
| 43-SL-A,B,C | Shelf Liner - Situated on Interior Foundation Flat Section on Bottom Shelf, Adjacent to Stairs to Basement | FS-2 | ND |
| 44-EC-A,B,C | Exterior Caulk - Brown, on Transite, Around Door Frames, Patch Work | EA-1,2,3,4 | 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 |
|--|--|----------------------|
| Automobile, lawn Mower, Snow Blower | EA-2 (One Car; Neighbor said He Will Move It) | 1 |
| Misc. Items (Glue, Solvents, Cleaners, Etc.) | FS- 2,7,11,16 | 16 |
| Paint Cans | FS 16 | 7 |
| Smoke Detectors | FS- 7,8,9,11,12,13,14 | 7 |
| Thermostats | FS-6 | 1 |
| Tires | EA-9 | 2 |

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

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

| DESCRIPTION | DESIGNATION |
|----------------------------|-----------------------------|
| Interior Functional Spaces | |
| First Floor | FS- 1,2,3,4,5,6,7,8,9,10,11 |
| Exterior Areas | |
| 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: 252704
Client Project: 188BS22726
Report Date: 12/1/2022

Attention: Robert Smith
Project Location: 1412 N Burdick, Kalamazoo, MI 49007

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1425772 | 01-RM-A | Asbestos | 12/01/2022 |
| 1425773 | 01-RM-B | Asbestos | 12/01/2022 |
| 1425774 | 01-RM-C | Asbestos | 12/01/2022 |
| 1425775 | 02-RM-A | Asbestos | 12/01/2022 |
| 1425776 | 02-RM-B | Asbestos | 12/01/2022 |
| 1425777 | 02-RM-C | Asbestos | 12/01/2022 |
| 1425778 | 03-TS-A | Asbestos | 12/01/2022 |
| 1425779 | 03-TS-B | Asbestos | 12/01/2022 |
| 1425780 | 03-TS-C | Asbestos | 12/01/2022 |
| 1425781 | 04-VP-A | Asbestos | 12/01/2022 |
| 1425782 | 04-VP-B | Asbestos | 12/01/2022 |
| 1425783 | 04-VP-C | Asbestos | 12/01/2022 |
| 1425784 | 05-VP-A | Asbestos | 12/01/2022 |
| 1425785 | 05-VP-B | Asbestos | 12/01/2022 |
| 1425786 | 05-VP-C | Asbestos | 12/01/2022 |
| 1425787 | 06-VP-A | Asbestos | 12/01/2022 |

This report is intended for use solely by the individual or entity to which it is addressed. This report may not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. It may contain information that is privileged, confidential and otherwise exempt by law from disclosure. If the reader of this information is not the intended recipient or an employee of its intended recipient, you are herewith notified that any dissemination, distribution or copying of this information is strictly prohibited. If you have received this information in error, please notify ETL immediately. Thank you.


| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1425788 | 06-VP-B | Asbestos | 12/01/2022 |
| 1425789 | 06-VP-C | Asbestos | 12/01/2022 |
| 1425790 | 07-EC-A | Asbestos | 12/01/2022 |
| 1425791 | 07-EC-B | Asbestos | 12/01/2022 |
| 1425792 | 07-EC-C | Asbestos | 12/01/2022 |
| 1425793 | 08-EC-A | Asbestos | 12/01/2022 |
| 1425794 | 08-EC-B | Asbestos | 12/01/2022 |
| 1425795 | 08-EC-C | Asbestos | 12/01/2022 |
| 1425796 | 09-EC-A | Asbestos | 12/01/2022 |
| 1425797 | 09-EC-B | Asbestos | 12/01/2022 |
| 1425798 | 09-EC-C | Asbestos | 12/01/2022 |
| 1425799 | 10-EC-A | Asbestos | 12/01/2022 |
| 1425800 | 10-EC-B | Asbestos | 12/01/2022 |
| 1425801 | 10-EC-C | Asbestos | 12/01/2022 |
| 1425802 | 11-WG-A | Asbestos | 12/01/2022 |
| 1425803 | 11-WG-B | Asbestos | 12/01/2022 |
| 1425804 | 11-WG-C | Asbestos | 12/01/2022 |
| 1425805 | 12-PL-A | Asbestos | 12/01/2022 |
| 1425806 | 12-PL-B | Asbestos | 12/01/2022 |
| 1425807 | 12-PL-C | Asbestos | 12/01/2022 |
| 1425808 | 13-TPL-A | Asbestos | 12/01/2022 |
| 1425809 | 13-TPL-B | Asbestos | 12/01/2022 |
| 1425810 | 13-TPL-C | Asbestos | 12/01/2022 |
| 1425811 | 14-TPL-A | Asbestos | 12/01/2022 |
| 1425812 | 14-TPL-B | Asbestos | 12/01/2022 |
| 1425813 | 14-TPL-C | Asbestos | 12/01/2022 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1425814 | 14-TPL-D | Asbestos | 12/01/2022 |
| 1425815 | 14-TPL-E | Asbestos | 12/01/2022 |
| 1425816 | 15-WBS-A | Asbestos | 12/01/2022 |
| 1425817 | 15-WBS-B | Asbestos | 12/01/2022 |
| 1425818 | 15-WBS-C | Asbestos | 12/01/2022 |
| 1425819 | 16-WBS-A | Asbestos | 12/01/2022 |
| 1425820 | 16-WBS-B | Asbestos | 12/01/2022 |
| 1425821 | 16-WBS-C | Asbestos | 12/01/2022 |
| 1425822 | 17-SC-A | Asbestos | 12/01/2022 |
| 1425823 | 17-SC-B | Asbestos | 12/01/2022 |
| 1425824 | 17-SC-C | Asbestos | 12/01/2022 |
| 1425825 | 18-HS-A | Asbestos | 12/01/2022 |
| 1425826 | 18-HS-B | Asbestos | 12/01/2022 |
| 1425827 | 18-HS-C | Asbestos | 12/01/2022 |
| 1425828 | 19-VD-A | Asbestos | 12/01/2022 |
| 1425829 | 19-VD-B | Asbestos | 12/01/2022 |
| 1425830 | 19-VD-C | Asbestos | 12/01/2022 |
| 1425831 | 20-VD-A | Asbestos | 12/01/2022 |
| 1425832 | 20-VD-B | Asbestos | 12/01/2022 |
| 1425833 | 20-VD-C | Asbestos | 12/01/2022 |
| 1425834 | 21-PI-A | Asbestos | 12/01/2022 |
| 1425835 | 21-PI-B | Asbestos | 12/01/2022 |
| 1425836 | 21-PI-C | Asbestos | 12/01/2022 |
| 1425837 | 22-DW-A | Asbestos | 12/01/2022 |
| 1425838 | 22-DW-B | Asbestos | 12/01/2022 |
| 1425839 | 22-DW-C | Asbestos | 12/01/2022 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1425840 | 23-MLF-A | Asbestos | 12/01/2022 |
| 1425841 | 23-MLF-B | Asbestos | 12/01/2022 |
| 1425842 | 23-MLF-C | Asbestos | 12/01/2022 |
| 1425843 | 24-FS-A | Asbestos | 12/01/2022 |
| 1425844 | 24-FS-B | Asbestos | 12/01/2022 |
| 1425845 | 24-FS-C | Asbestos | 12/01/2022 |
| 1425846 | 25-MLF-A | Asbestos | 12/01/2022 |
| 1425847 | 25-MLF-B | Asbestos | 12/01/2022 |
| 1425848 | 25-MLF-C | Asbestos | 12/01/2022 |
| 1425849 | 26-CA-A | Asbestos | 12/01/2022 |
| 1425850 | 26-CA-B | Asbestos | 12/01/2022 |
| 1425851 | 26-CA-C | Asbestos | 12/01/2022 |
| 1425852 | 27-CA-A | Asbestos | 12/01/2022 |
| 1425853 | 27-CA-B | Asbestos | 12/01/2022 |
| 1425854 | 27-CA-C | Asbestos | 12/01/2022 |
| 1425855 | 28-BM-A | Asbestos | 12/01/2022 |
| 1425856 | 28-BM-B | Asbestos | 12/01/2022 |
| 1425857 | 28-BM-C | Asbestos | 12/01/2022 |
| 1425858 | 29-BM-A | Asbestos | 12/01/2022 |
| 1425859 | 29-BM-B | Asbestos | 12/01/2022 |
| 1425860 | 29-BM-C | Asbestos | 12/01/2022 |
| 1425861 | 30-BM-A | Asbestos | 12/01/2022 |
| 1425862 | 30-BM-B | Asbestos | 12/01/2022 |
| 1425863 | 30-BM-C | Asbestos | 12/01/2022 |
| 1425864 | 31-BM-A | Asbestos | 12/01/2022 |
| 1425865 | 31-BM-B | Asbestos | 12/01/2022 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1425866 | 31-BM-C | Asbestos | 12/01/2022 |
| 1425867 | 32-BM-A | Asbestos | 12/01/2022 |
| 1425868 | 32-BM-B | Asbestos | 12/01/2022 |
| 1425869 | 32-BM-C | Asbestos | 12/01/2022 |
| 1425870 | 33-CC-A | Asbestos | 12/01/2022 |
| 1425871 | 33-CC-B | Asbestos | 12/01/2022 |
| 1425872 | 33-CC-C | Asbestos | 12/01/2022 |
| 1425873 | 34-CC-A | Asbestos | 12/01/2022 |
| 1425874 | 34-CC-B | Asbestos | 12/01/2022 |
| 1425875 | 34-CC-C | Asbestos | 12/01/2022 |
| 1425876 | 35-CC-A | Asbestos | 12/01/2022 |
| 1425877 | 35-CC-B | Asbestos | 12/01/2022 |
| 1425878 | 35-CC-C | Asbestos | 12/01/2022 |
| 1425879 | 36-CC-A | Asbestos | 12/01/2022 |
| 1425880 | 36-CC-B | Asbestos | 12/01/2022 |
| 1425881 | 36-CC-C | Asbestos | 12/01/2022 |
| 1425882 | 37-BI-A | Asbestos | 12/01/2022 |
| 1425883 | 37-BI-B | Asbestos | 12/01/2022 |
| 1425884 | 37-BI-C | Asbestos | 12/01/2022 |
| 1425885 | 38-RI-A | Asbestos | 12/01/2022 |
| 1425886 | 38-RI-B | Asbestos | 12/01/2022 |
| 1425887 | 38-RI-C | Asbestos | 12/01/2022 |
| 1425888 | 39-RI-A | Asbestos | 12/01/2022 |
| 1425889 | 39-RI-B | Asbestos | 12/01/2022 |
| 1425890 | 39-RI-C | Asbestos | 12/01/2022 |
| 1425891 | 40-IC-A | Asbestos | 12/01/2022 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1425892 | 40-IC-B | Asbestos | 12/01/2022 |
| 1425893 | 40-IC-C | Asbestos | 12/01/2022 |
| 1425894 | 41-IC-A | Asbestos | 12/01/2022 |
| 1425895 | 41-IC-B | Asbestos | 12/01/2022 |
| 1425896 | 41-IC-C | Asbestos | 12/01/2022 |
| 1425897 | 42-SU-A | Asbestos | 12/01/2022 |
| 1425898 | 42-SU-B | Asbestos | 12/01/2022 |
| 1425899 | 42-SU-C | Asbestos | 12/01/2022 |
| 1425900 | 43-SL-A | Asbestos | 12/01/2022 |
| 1425901 | 43-SL-B | Asbestos | 12/01/2022 |
| 1425902 | 43-SL-C | Asbestos | 12/01/2022 |
| 1425903 | 44-EC-A | Asbestos | 12/01/2022 |
| 1425904 | 44-EC-B | Asbestos | 12/01/2022 |
| 1425905 | 44-EC-C | Asbestos | 12/01/2022 |

Reviewed by: 
Emily Nowacki

Summary

| Method | Sample | Layer | Mastic |
|--------|--------|-------|--------|
| PLM | 161 | 6 | 8 |



NVLAP LAB CODE 201025-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|------------------------|------------------------------------|-------------------|---------------|-------------------|
| 1425772 01-RM-A | Roofing Material | Green Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425772 01-RM-A | Roofing Material | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425772 01-RM-A | Roofing Material-Paper | Black Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Layer-3 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425773 01-RM-B | Roofing Material | Green Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425773 01-RM-B | Roofing Material | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425773 01-RM-B | Roofing Material-Paper | Black Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Layer-3 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201024-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|------------------------|------------------------------------|-------------------|---------------|-------------------|
| 1425774 01-RM-C | Roofing Material | Green Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425774 01-RM-C | Roofing Material | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425774 01-RM-C | Roofing Material-Paper | Black Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Layer-3 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425775 02-RM-A | Roofing Material | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425776 02-RM-B | Roofing Material | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425777 02-RM-C | Roofing Material | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201028-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|-----------------|---|-------------------|---------------|--------------------|
| 1425778 03-TS-A | Transite Siding | Brown/Gray Non-Fibrous Homogenous | PLM 10% Cellulose | PLM 80% Other | PLM 10% Chrysotile |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425779 03-TS-B | | Positive Stop | | | |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 Layer Not Analyzed | | | | | |
| 1425780 03-TS-C | | Positive Stop | | | |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 Layer Not Analyzed | | | | | |
| 1425781 04-VP-A | Vapor Paper | Black Fibrous Homogenous | PLM 60% Cellulose | PLM 40% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425782 04-VP-B | Vapor Paper | Black Fibrous Homogenous | PLM 60% Cellulose | PLM 40% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425783 04-VP-C | Vapor Paper | Black Fibrous Homogenous | PLM 60% Cellulose | PLM 40% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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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 : 252704
 Client Project : 188BS22726
 Date Collected : 11/22/2022
 Date Received : 11/28/2022

Location :
 1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|-------------|--------------------------------|-------------------|---------------|-------------------|
| 1425784 05-VP-A | Vapor Paper | Black Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425785 05-VP-B | Vapor Paper | Black Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425786 05-VP-C | Vapor Paper | Black Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425787 06-VP-A | Vapor Paper | Black Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425788 06-VP-B | Vapor Paper | Black Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425789 06-VP-C | Vapor Paper | Black Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 252704
 Client Project : 188BS22726
 Date Collected : 11/22/2022
 Date Received : 11/28/2022

Location :
 1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|----------------|------------------------------------|------------------|---------------|-------------------|
| 1425790 07-EC-A | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425791 07-EC-B | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425792 07-EC-C | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425793 08-EC-A | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425794 08-EC-B | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425795 08-EC-C | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201024-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|----------------|-----------------------------------|------------------|---------------|-------------------|
| 1425796 09-EC-A | Exterior Caulk | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425797 09-EC-B | Exterior Caulk | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425798 09-EC-C | Exterior Caulk | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425799 10-EC-A | Exterior Caulk | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425800 10-EC-B | Exterior Caulk | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425801 10-EC-C | Exterior Caulk | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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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 : 252704
 Client Project : 188BS22726
 Date Collected : 11/22/2022
 Date Received : 11/28/2022

Location :
 1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|--------------|------------------------------------|------------------|---------------|-------------------|
| 1425802 11-WG-A | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425803 11-WG-B | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425804 11-WG-C | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425805 12-PL-A | Plaster | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425806 12-PL-B | Plaster | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425807 12-PL-C | Plaster | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|------------------|-------------------------------------|------------------|---------------|-------------------|
| 1425808 13-TPL-A | Textured Plaster | White Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425809 13-TPL-B | Textured Plaster | White Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425810 13-TPL-C | Textured Plaster | White Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425811 14-TPL-A | Textured Plaster | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425811 14-TPL-A | Mastic | Yellow Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 252704
 Client Project : 188BS22726
 Date Collected : 11/22/2022
 Date Received : 11/28/2022

Location :
 1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|------------------|-------------------------------------|------------------|---------------|-------------------|
| 1425812 14-TPL-B | Textured Plaster | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425812 14-TPL-B | Mastic | Yellow Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425813 14-TPL-C | Textured Plaster | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425813 14-TPL-C | Mastic | Yellow Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425814 14-TPL-D | Textured Plaster | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425814 14-TPL-D | Mastic | Yellow Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 252704
 Client Project : 188BS22726
 Date Collected : 11/22/2022
 Date Received : 11/28/2022

Location :
 1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|--------------------------|-------------------------------------|-------------------|---------------|-------------------|
| 1425815 14-TPL-E | Textured Plaster | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425815 14-TPL-E | Mastic | Yellow Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425816 15-WBS-A | Wallboard System-Drywall | White Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425816 15-WBS-A | Wallboard System-Tape | White Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425816 15-WBS-A | Wallboard System-Mud | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-3 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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

ETL Job : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|--------------------------|------------------------------------|-------------------|---------------|-------------------|
| 1425817 15-WBS-B | Wallboard System-Drywall | White Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425817 15-WBS-B | Wallboard System-Tape | White Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425817 15-WBS-B | Wallboard System-Mud | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-3 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425818 15-WBS-C | Wallboard System-Drywall | White Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425818 15-WBS-C | Wallboard System-Tape | White Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425818 15-WBS-C | Wallboard System-Mud | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-3 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201928-0

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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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|--------------------------|------------------------------------|-------------------|---------------|-------------------|
| 1425819 16-WBS-A | Wallboard System-Drywall | White Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425819 16-WBS-A | Wallboard System-Tape | White Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425819 16-WBS-A | Wallboard System-Mud | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-3 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425820 16-WBS-B | Wallboard System-Drywall | White Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425820 16-WBS-B | Wallboard System-Tape | White Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425820 16-WBS-B | Wallboard System-Mud | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-3 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 252704
 Client Project : 188BS22726
 Date Collected : 11/22/2022
 Date Received : 11/28/2022

Location :
 1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|--------------------------|------------------------------------|-------------------|---------------|-------------------|
| 1425821 16-WBS-C | Wallboard System-Drywall | White Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425821 16-WBS-C | Wallboard System-Tape | White Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425821 16-WBS-C | Wallboard System-Mud | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-3 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425822 17-SC-A | Stack Cement | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425822 17-SC-A | Powdery Material | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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

ETL Job : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|------------------|------------------------------------|--|---------------|--------------------|
| 1425823 17-SC-B | Stack Cement | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425823 17-SC-B | Powdery Material | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425824 17-SC-C | Stack Cement | Gray Fibrous Homogenous | PLM 20% Cellulose | PLM 60% Other | PLM 20% Chrysotile |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425824 17-SC-C | Powdery Material | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425825 18-HS-A | Heat Shield | Yellow Fibrous Homogenous | PLM 90% Fiberglass PLM 2% Cellulose | PLM 8% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425826 18-HS-B | Heat Shield | Yellow Fibrous Homogenous | PLM 90% Fiberglass PLM 2% Cellulose | PLM 8% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--------------------|-------------|---------------------------------|--|---------------|-------------------|
| 1425827 18-HS-C | Heat Shield | Yellow Fibrous Homogenous | PLM 90% Fiberglass PLM 2% Cellulose | PLM 8% Other | PLM None Detected |

Analyst: Dave Cousino
Date Analyzed : 12/01/2022

| | | | | | |
|--------------------|--------------------|------------------------------------|------------------|---------------|-------------------|
| 1425828 19-VD-A | Vibration Dampener | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
|--------------------|--------------------|------------------------------------|------------------|---------------|-------------------|

Analyst: Dave Cousino
Date Analyzed : 12/01/2022

| | | | | | |
|--------------------|--------------------|------------------------------------|------------------|---------------|-------------------|
| 1425829 19-VD-B | Vibration Dampener | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
|--------------------|--------------------|------------------------------------|------------------|---------------|-------------------|

Analyst: Dave Cousino
Date Analyzed : 12/01/2022

| | | | | | |
|--------------------|--------------------|------------------------------------|------------------|---------------|-------------------|
| 1425830 19-VD-C | Vibration Dampener | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
|--------------------|--------------------|------------------------------------|------------------|---------------|-------------------|

Analyst: Dave Cousino
Date Analyzed : 12/01/2022

| | | | | | |
|--------------------|--------------------|-------------------------------|-------------------|---------------|-------------------|
| 1425831 20-VD-A | Vibration Dampener | Gray Fibrous Homogenous | PLM 80% Cellulose | PLM 20% Other | PLM None Detected |
|--------------------|--------------------|-------------------------------|-------------------|---------------|-------------------|

Analyst: Dave Cousino
Date Analyzed : 12/01/2022

| | | | | | |
|--------------------|--------------------|-------------------------------|-------------------|---------------|-------------------|
| 1425832 20-VD-B | Vibration Dampener | Gray Fibrous Homogenous | PLM 80% Cellulose | PLM 20% Other | PLM None Detected |
|--------------------|--------------------|-------------------------------|-------------------|---------------|-------------------|

Analyst: Dave Cousino
Date Analyzed : 12/01/2022

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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 : 252704
 Client Project : 188BS22726
 Date Collected : 11/22/2022
 Date Received : 11/28/2022

Location :
 1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--------------------|--------------------|-------------------------------|-------------------|---------------|-------------------|
| 1425833 20-VD-C | Vibration Dampener | Gray Fibrous Homogenous | PLM 80% Cellulose | PLM 20% Other | PLM None Detected |

Analyst: Dave Cousino
 Date Analyzed : 12/01/2022

| | | | | | |
|--------------------|-----------------|-------------------------------|-------------------|---------------|--------------------|
| 1425834 21-PI-A | Pipe Insulation | Gray Fibrous Homogenous | PLM 30% Cellulose | PLM 40% Other | PLM 30% Chrysotile |
|--------------------|-----------------|-------------------------------|-------------------|---------------|--------------------|

Analyst: Dave Cousino
 Date Analyzed : 12/01/2022

| | | | | | |
|--------------------|--|---------------|--|--|--|
| 1425835 21-PI-B | | Positive Stop | | | |
|--------------------|--|---------------|--|--|--|

Analyst: Dave Cousino
 Date Analyzed : 12/01/2022

Layer Not Analyzed

| | | | | | |
|--------------------|--|---------------|--|--|--|
| 1425836 21-PI-C | | Positive Stop | | | |
|--------------------|--|---------------|--|--|--|

Analyst: Dave Cousino
 Date Analyzed : 12/01/2022

Layer Not Analyzed

| | | | | | |
|--------------------|-----------|-------------------------------|-------------------|---------------|--------------------|
| 1425837 22-DW-A | Duct Wrap | Gray Fibrous Homogenous | PLM 30% Cellulose | PLM 40% Other | PLM 30% Chrysotile |
|--------------------|-----------|-------------------------------|-------------------|---------------|--------------------|

Analyst: Dave Cousino
 Date Analyzed : 12/01/2022

| | | | | | |
|--------------------|--|---------------|--|--|--|
| 1425838 22-DW-B | | Positive Stop | | | |
|--------------------|--|---------------|--|--|--|

Analyst: Dave Cousino
 Date Analyzed : 12/01/2022

Layer Not Analyzed

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NVLAP LAB CODE 201924-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|-------------------|----------------------------------|-------------------|---------------|-------------------|
| 1425839 22-DW-C | | Positive Stop | | | |
| Analyst: Dave Cousino Date Analyzed : 12/01/2022 Layer Not Analyzed | | | | | |
| 1425840 23-MLF-A | Multi-Layer Floor | Tan Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425840 23-MLF-A | Multi-Layer Floor | Black Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425840 23-MLF-A | Multi-Layer Floor | Tan Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Layer-3 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201024-0

Certificate of Analysis

Environmental Testing Laboratories, Inc.
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(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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|-------------------|----------------------------------|-------------------|---------------|-------------------|
| 1425841 23-MLF-B | Multi-Layer Floor | Tan Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425841 23-MLF-B | Multi-Layer Floor | Black Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425841 23-MLF-B | Multi-Layer Floor | Tan Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Layer-3 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425842 23-MLF-C | Multi-Layer Floor | Tan Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425842 23-MLF-C | Multi-Layer Floor | Black Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425842 23-MLF-C | Multi-Layer Floor | Tan Fibrous Homogenous | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Layer-3 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201628-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|----------------|--|------------------|---------------|-------------------|
| 1425843 24-FS-A | Floor Sheeting | Stone/White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425843 24-FS-A | Mastic | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425844 24-FS-B | Floor Sheeting | Stone/White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425844 24-FS-B | Mastic | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425845 24-FS-C | Floor Sheeting | Stone/White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |
| 1425845 24-FS-C | Mastic | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201024-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-------------|------------------------------------|-------------------|---------------|-------------------|
| 1425846 25-MLF-A | Floor Tile | White Non-Fibrous Homogenous | PLM 8% Fiberglass | PLM 92% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425846 25-MLF-A | Floor Tile | White Non-Fibrous Homogenous | PLM 6% Cellulose | PLM 94% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425846 25-MLF-A | Floor Tile | Black Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-3 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425847 25-MLF-B | Floor Tile | White Non-Fibrous Homogenous | PLM 8% Fiberglass | PLM 92% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425847 25-MLF-B | Floor Tile | White Non-Fibrous Homogenous | PLM 6% Cellulose | PLM 94% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425847 25-MLF-B | Floor Tile | Black Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-3 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201028-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-----------------------|-------------------------------------|--------------------|---------------|-------------------|
| 1425848 25-MLF-C | Floor Tile | White Non-Fibrous Homogenous | PLM 10% Fiberglass | PLM 90% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425848 25-MLF-C | Floor Tile | White Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425848 25-MLF-C | Floor Tile | Black Fibrous Homogenous | PLM 8% Cellulose | PLM 92% Other | PLM None Detected |
| Layer-3 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425849 26-CA-A | Construction Adhesive | Yellow Non-Fibrous Homogenous | PLM 6% Cellulose | PLM 94% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425850 26-CA-B | Construction Adhesive | Yellow Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425851 26-CA-C | Construction Adhesive | Yellow Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201024-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-----------------------|------------------------------------|------------------|---------------|-------------------|
| 1425852 27-CA-A | Construction Adhesive | White Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425853 27-CA-B | Construction Adhesive | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425854 27-CA-C | Construction Adhesive | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425855 28-BM-A | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425855 28-BM-A | Tar | Black Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 291028-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--------------|------------------------------------|------------------|---------------|-------------------|
| 1425856 28-BM-B | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425856 28-BM-B | Tar | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425857 28-BM-C | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425857 28-BM-C | Tar | Black Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425858 29-BM-A | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425859 29-BM-B | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201028-0

Certificate of Analysis

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(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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--------------|-----------------------------------|------------------|---------------|-------------------|
| 1425860 29-BM-C | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425861 30-BM-A | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425862 30-BM-B | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425863 30-BM-C | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425864 31-BM-A | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 8% Cellulose | PLM 92% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425865 31-BM-B | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 6% Cellulose | PLM 94% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 20-024-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|---------------|-----------------------------------|------------------|---------------|-------------------|
| 1425866 31-BM-C | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 6% Cellulose | PLM 94% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425867 32-BM-A | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425868 32-BM-B | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425869 32-BM-C | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425870 33-CC-A | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425871 33-CC-B | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201028-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|---------------|-----------------------------------|------------------|---------------|-------------------|
| 1425872 33-CC-C | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425873 34-CC-A | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425874 34-CC-B | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425875 34-CC-C | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425876 35-CC-A | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425877 35-CC-B | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201024-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|---------------------|--------------------------------------|---|---------------|-------------------|
| 1425878 35-CC-C | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425879 36-CC-A | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 6% Cellulose | PLM 94% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425880 36-CC-B | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425881 36-CC-C | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425882 37-BI-A | Blown-In Insulation | White/Peach Fibrous Homogenous | PLM 40% Cellulose PLM 50% Fiberglass | PLM 10% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425883 37-BI-B | Blown-In Insulation | White/Peach Fibrous Homogenous | PLM 40% Cellulose PLM 55% Fiberglass | PLM 5% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201028-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|----------------------|--------------------------------------|---|---------------|-------------------|
| 1425884 37-BI-C | Blown-In Insulation | White/Peach Fibrous Homogenous | PLM 35% Cellulose PLM 60% Fiberglass | PLM 5% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425885 38-RI-A | Rolled-In Insulation | Red Fibrous Homogenous | PLM 90% Fiberglass | PLM 10% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425885 38-RI-A | Paper | Brown Fibrous Homogenous | PLM 65% Cellulose | PLM 35% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425886 38-RI-B | Rolled-In Insulation | Red Fibrous Homogenous | PLM 93% Fiberglass | PLM 7% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425886 38-RI-B | Paper | Brown Fibrous Homogenous | PLM 55% Cellulose | PLM 45% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201024-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|----------------------|------------------------------------|---------------------|---------------|-------------------|
| 1425887 38-RI-C | Rolled-In Insulation | Red Fibrous Homogenous | PLM 70% Fiberglass | PLM 30% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425887 38-RI-C | Paper | Brown Fibrous Homogenous | PLM 40% Cellulose | PLM 60% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425888 39-RI-A | Rolled-In Insulation | Red/Pink Fibrous Homogenous | PLM 100% Fiberglass | | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425889 39-RI-B | Rolled-In Insulation | Red/Pink Fibrous Homogenous | PLM 99% Fiberglass | PLM 1% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425890 39-RI-C | Rolled-In Insulation | Red/Pink Fibrous Homogenous | PLM 100% Fiberglass | | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425891 40-IC-A | Interior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201024-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-------------------|------------------------------------|------------------|----------------|-------------------|
| 1425892 40-IC-B | Interior Caulk | White Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425893 40-IC-C | Interior Caulk | White Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425894 41-IC-A | Interior Caulk | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425895 41-IC-B | Interior Caulk | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425896 41-IC-C | Interior Caulk | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425897 42-SU-A | Sink Undercoating | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |

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Certificate of Analysis

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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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-------------------|------------------------------------|-------------------|---------------|-------------------|
| 1425898 42-SU-B | Sink Undercoating | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425899 42-SU-C | Sink Undercoating | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425900 43-SL-A | Shelf Liner | Gray Fibrous Homogenous | PLM 80% Cellulose | PLM 20% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425901 43-SL-B | Shelf Liner | Gray Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425902 43-SL-C | Shelf Liner | Gray Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |
| 1425903 44-EC-A | Exterior Caulk | Brown Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 12/01/2022 | | | | | |

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NVLAP LAB CODE 201028-0

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 : 252704
Client Project : 188BS22726
Date Collected : 11/22/2022
Date Received : 11/28/2022

Location :
1412 N Burdick, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--------------------|----------------|------------------------------------|------------------|---------------|-------------------|
| 1425904 44-EC-B | Exterior Caulk | Brown Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |

Layer-1 Analyst: OJ Ivey
Date Analyzed : 12/01/2022

| | | | | | |
|--------------------|----------------|------------------------------------|------------------|---------------|-------------------|
| 1425905 44-EC-C | Exterior Caulk | Brown Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
|--------------------|----------------|------------------------------------|------------------|---------------|-------------------|

Layer-1 Analyst: OJ Ivey
Date Analyzed : 12/01/2022

Lab Supervisor/Other Signatory

Analyst:

Dave Cousino

OJ Ivey

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 #: 252704

| | | |
|---|--|---|
| Client: ATC Group Services | Contact: Rob Smith Phone: 248-669-5140 | Project Location/name: 1412 N BURDICK, KALAMAZOO, MI 49007 |
| Address: 45555 Humboldt Dr. Ste. 100 Novi, MI 48377 | Fax: 248-669-5147 E-mail: rsmith@atcgroup.com | Client Project #: 100BS22726 |
| Please Provide Results: <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other | | Date Sampled: 11/22/2022 |

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 -
 Point Counting: 400 Points* NYSDOH ELAP 198.1, 2002* *Clearly mark Homogeneous Group*

Gravimetric Reduction* NYSDOH ELAP 198.6, 2010*

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

425

| Lab ID | Sample ID | Material Description | Sample Location | QUANTITY |
|-------------|-------------|---|-----------------|----------|
| 772 773 774 | 1-RM-A,B,C | Roofing material - house, black | EA-1 | 650 SF |
| 775 776 777 | 2-RM-A,B,C | Roofing material - garage, black | EA-10 | 775 SF |
| 778 779 780 | 3-TS-A,B,C | Transite siding - under vinyl siding | EA-1,2,3,4 | 1,880 SF |
| 781 782 783 | 4-VP-A,B,C | Vapor paper - under transite siding | EA-1,2,3,4 | 1,880 SF |
| 784 785 786 | 5-VP-A,B,C | Vapor paper - under transite siding seam | EA-1,2,3,4 | 470 SF |
| 787 788 789 | 6-VP-A,B,C | Vapor paper - roll of vapor paper in garage interior | FS-16 | 10 SF |
| 790 791 792 | 7-EC-A,B,C | Exterior caulk - white, around service door perimeter | EA-9 | 5 LF |
| 793 794 795 | 8-EC-A,B,C | Exterior caulk - white, on aluminum siding roofline | EA-1,2,3,4 | 170 LF |
| 796 797 798 | 9-EC-A,B,C | Exterior caulk - grey on electrical penetration | EA-3 | 1 SF |
| 799 800 801 | 10-EC-A,B,C | Exterior caulk - grey, on transite | EA-1,2,3,4 | 95 LF |

| Relinquished (Name/Organization) | Date | Time |
|--|----------|----------|
| Received (Name/ETL) | 11-28-22 | 10:00 AM |
| Sample Log in (Name/ETL) | 11-29-22 | 11:05 AM |
| Stereoscopy/Sample Analysis (Name/ETL) | 12/1/22 | 2:00 PM |
| Results (Name/ETL) | 12/1/22 | 2:00 PM |
| QA/QC Review (Name/ETL) | 12-1-22 | 4:00 AM |

Special Instructions: 1st Positive Stop.
 Composite all drywall/joint compound/mud 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

1/3

Bulk Asbestos
 Chain of Custody

ETL Project #: 252704

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

1425
 511

| Lab ID | Sample ID | Material Description | Sample Location | QUANTITY |
|-----------------|------------------|--|-----------------------------------|------------|
| 802 803 804 | 11-WG-A.B.C | Window glaze - stack of windows in garage interior | FS-16 | 12 windows |
| 805 806 807 | 12-PL-A.B.C | Plaster - debris from former "plaster-on-lath" application located within walls | FS-5,6,7,8,9,10,11,12,13,14 | 950 SF |
| 808 809 810 | 13-TPL-A.B.C | Textured plaster - debris pile in garage interior | FS-16 | 100 SF |
| 812 813 814 815 | 14-TPL-A.B.C.D.E | Textured plaster - rough texture, on ceilings | FS-5,6,7,8,9,10,12,13,14 | 1750 SF |
| 816 817 818 | 15-WBS-A.B.C | Wallboard system - debris pile in garage interior | FS-16 | 100 SF |
| 819 820 821 | 16-WBS-A.B.C | Wallboard system - house walls and ceiling | FS-2,3,4,5,6,7,8,9,10,11,12,13,14 | 2,744 SF |
| 822 823 824 | 17-SC-A.B.C | Stack cement | FS-16 | 10 SF |
| 825 826 827 | 18-HS-A.B.C | Heat shield - under light fixtures | FS-5,6,7,8,10,11,12,13,14 | 10 SF |
| 828 829 830 | 19-VD-A.B.C | Vibration dampener - black vinyl, on HVAC ducts | FS-2 | 10 SF |
| 831 832 833 | 20-VD-A.B.C | Vibration dampener - grey, on HVAC ducts | FS-2 | 10 SF |
| 834 835 836 | 21-PI-A.B.C | Pipe insulation - duct wrap around pipe. Located adjacent to south side of stack | FS-2 | 5 LF |
| 837 838 839 | 22-DW-A.B.C | Duct wrap - on ducts and risers within walls and floors | FS-2, located within walls | 375 SF |
| 840 841 842 | 23-MLF-A.B.C | Multi-layer floor - stairs to basement landing | FS-4 | 10 SF |
| 843 844 845 | 24-FS-A.B.C | Floor sheeting - stone pattern, vinyl | FS-6 | 150 SF |
| 846 847 848 | 25-MLF-A.B.C | Multi-layer floor | FS-7, 8 | 300 SF |
| 849 850 851 | 26-CA-A.B.C | Construction adhesive - under tub surround debris | FS-6 | 20 SF |
| 852 853 854 | 27-CA-A.B.C | Construction adhesive - under cove base | FS-8 | 10 SF |
| 855 856 857 | 28-BM-A.B.C | Brick mortar - CMU block wall | FS-2,3 | 110 SF |
| 858 859 860 | 29-BM-A.B.C | Brick mortar - Exterior foundation | EA-1,2,3,4 | 940 SF |
| 861 862 863 | 30-BM-A.B.C | Brick mortar - stack | FS-1 | 150 SF |
| 864 865 866 | 31-BM-A.B.C | Brick mortar - interior foundation wall | FS-2,3 | 940 SF |
| 867 868 869 | 32-BM-A.B.C | Brick mortar - garage CMU block walls | EA-6,7,8,9 | 1,248 SF |
| 870 871 872 | 33-CC-A.B.C | Concrete chip - exterior | EA-1,2,3,4,6,9 | 675 SF |
| 873 874 875 | 34-CC-A.B.C | Concrete chip - garage floor | FS-16 | 675 SF |
| 876 877 878 | 35-CC-A.B.C | Concrete chip - basement floor | FS-2,3 | 725 SF |
| 879 880 881 | 36-CC-A.B.C | Concrete chip - raised pad (SE corner of basement) | FS-2 | 20 SF |
| 882 883 884 | 37-BI-A.B.C | Blown-in insulation - white, in attic | FS-15 | 725 SF |

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ENVIRONMENTAL TESTING LABORATORIES, INC
 38900 Huron River Drive
 Romulus, Michigan 48174
 (734) 955-6600
 FAX: (734) 992-2261
www.2etl.com

**Bulk Asbestos
 Chain of Custody**

ETL Project #: 252704

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

1425

| Lab ID | Sample ID | Material Description | Sample Location | QUANTITY |
|-------------|-----------|--|-----------------|----------|
| 885 886 887 | 33-RI-ABC | Roll-in insulation - red fiberglass with brown paper, in rat-wall | FS-2,3 | 105 SF |
| 888 889 890 | 33-RI-ABC | Roll-in insulation - in exterior walls | EA-1,2,3,4 | 1 880 SF |
| 891 892 893 | 40-IC-ABC | Interior caulk - white, around window trim | FS-5,6,7,8,9,10 | 165 LF |
| 894 895 896 | 41-IC-ABC | Interior caulk - white, around door trim | FS-5,6,7,8,9,10 | 185 LF |
| 897 898 899 | 42-SU-ABC | Sink undercoating - black, kitchen sink | FS-7 | 1 sink |
| 900 901 902 | 43-SL-ABC | Shelf liner - situated on interior foundation flat section on bottom shelf, adjacent to stairs to basement | FS-2 | 5 SF |
| 903 904 905 | 44-EC-ABC | Exterior caulk - brown, on transite, around door frames, patch work | EA-1,2,3,4 | 40 LF |
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3/3

ATTACHMENT B
PHOTOGRAPHS

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1412 N BURDICK
KALAMAZOO, MI 49007



Street view of the house located at 1412 N Burdick (EA-1)



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

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1412 N BURDICK
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
1412 N BURDICK
KALAMAZOO, MI 49007



View of EA-5



View of EA-6

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1412 N BURDICK
KALAMAZOO, MI 49007



View of EA-7



View of EA-8

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1412 N BURDICK
KALAMAZOO, MI 49007



View of EA-9



View of EA-10

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1412 N BURDICK
KALAMAZOO, MI 49007



View of FS-1



View of FS-2

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1412 N BURDICK
KALAMAZOO, MI 49007



View of FS-3



View of FS-4

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1412 N BURDICK
KALAMAZOO, MI 49007



View of FS-5



View of FS-6

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1412 N BURDICK
KALAMAZOO, MI 49007



View of FS-7



View of FS-8

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1412 N BURDICK
KALAMAZOO, MI 49007



View of FS-9



View of FS-10

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1412 N BURDICK
KALAMAZOO, MI 49007



View of FS-11



View of FS-12

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1412 N BURDICK
KALAMAZOO, MI 49007



View of FS-13



View of FS-14

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1412 N BURDICK
KALAMAZOO, MI 49007



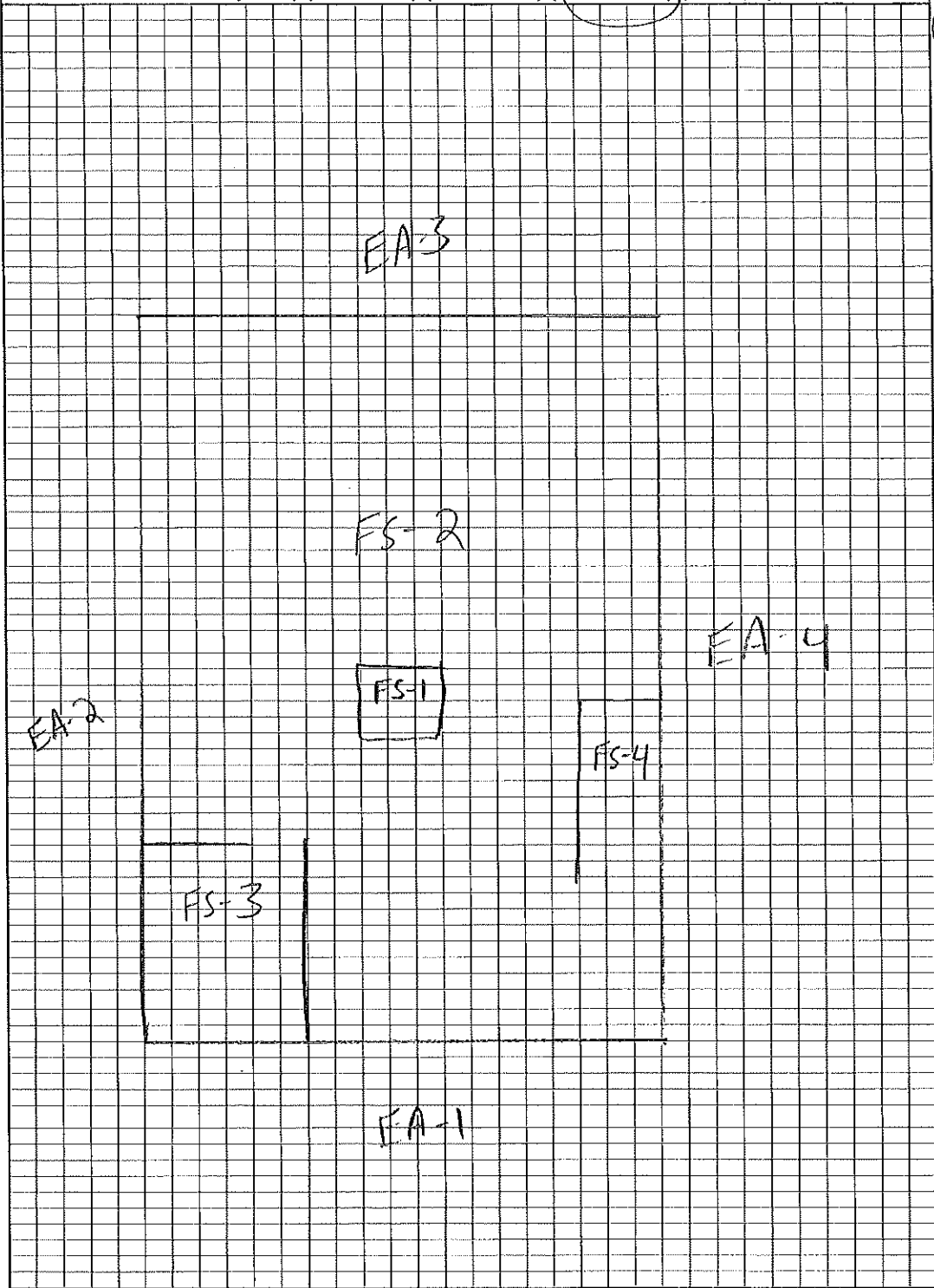
View of FS-15



View of FS-16

ATTACHMENT C
SITE MAPS

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



Street Address: 1412 N Burdick

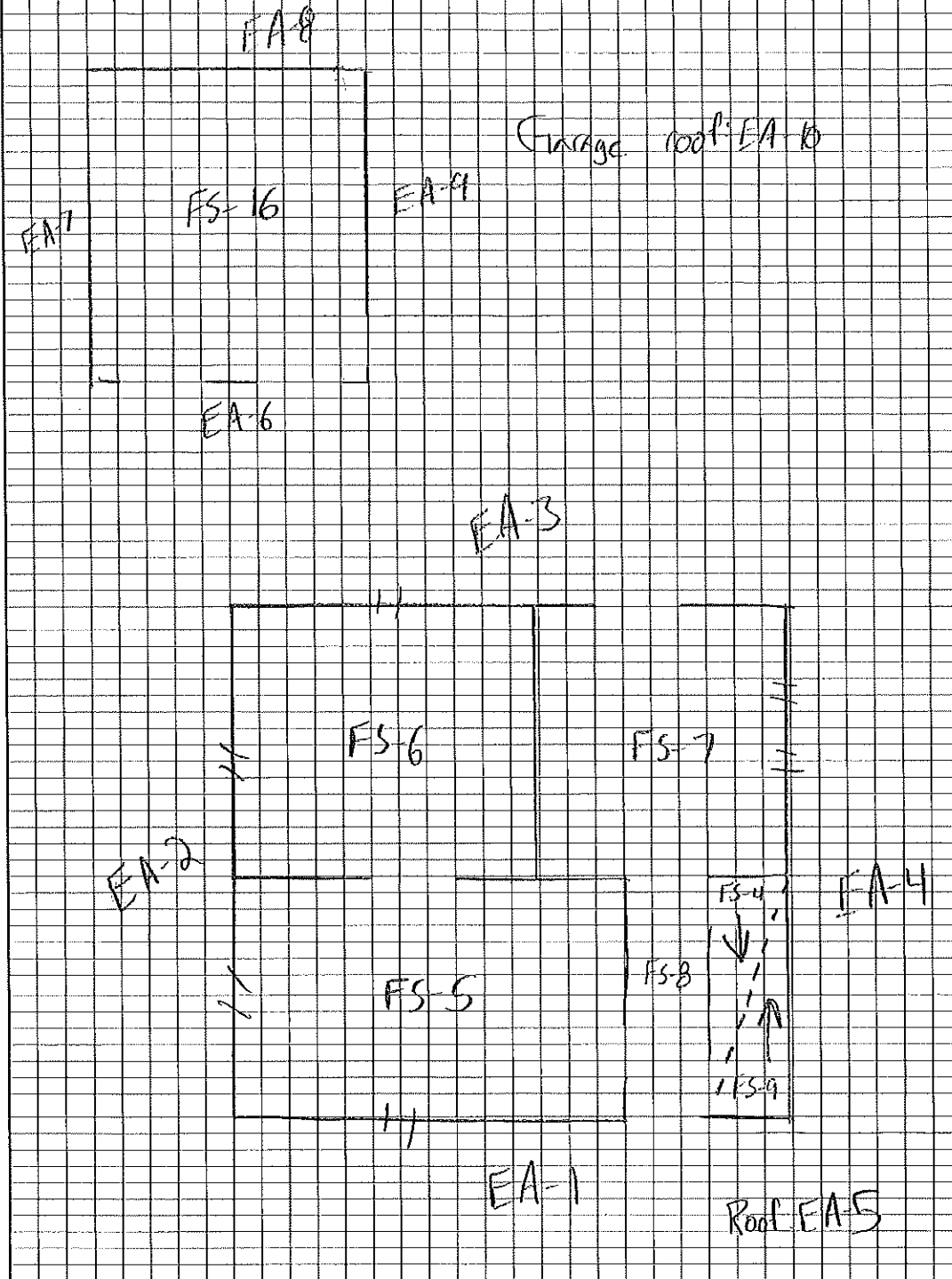
27

19

Inaccessible



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



Street Address: 1412 N Burdick

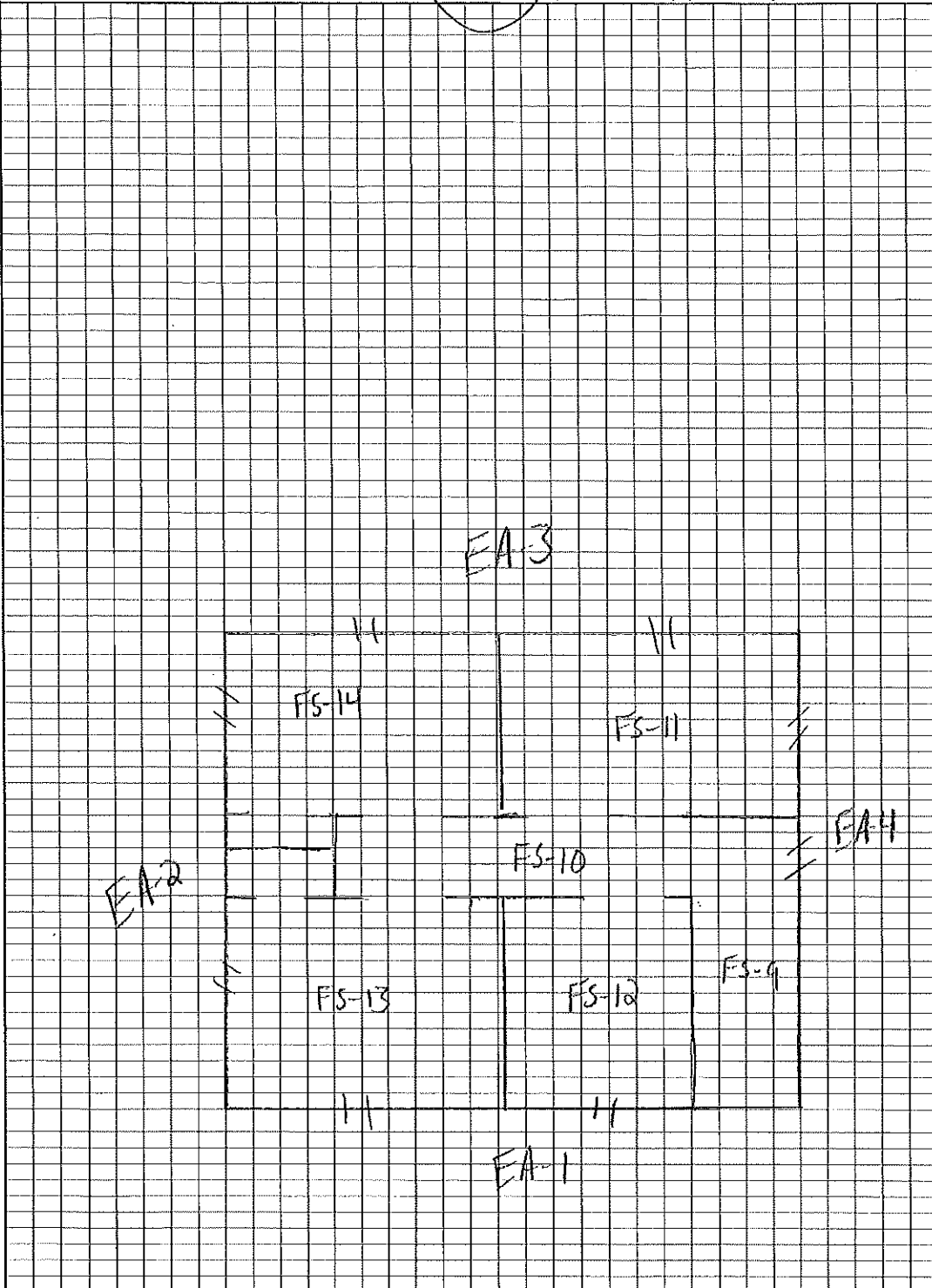
27

19

Inaccessible



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

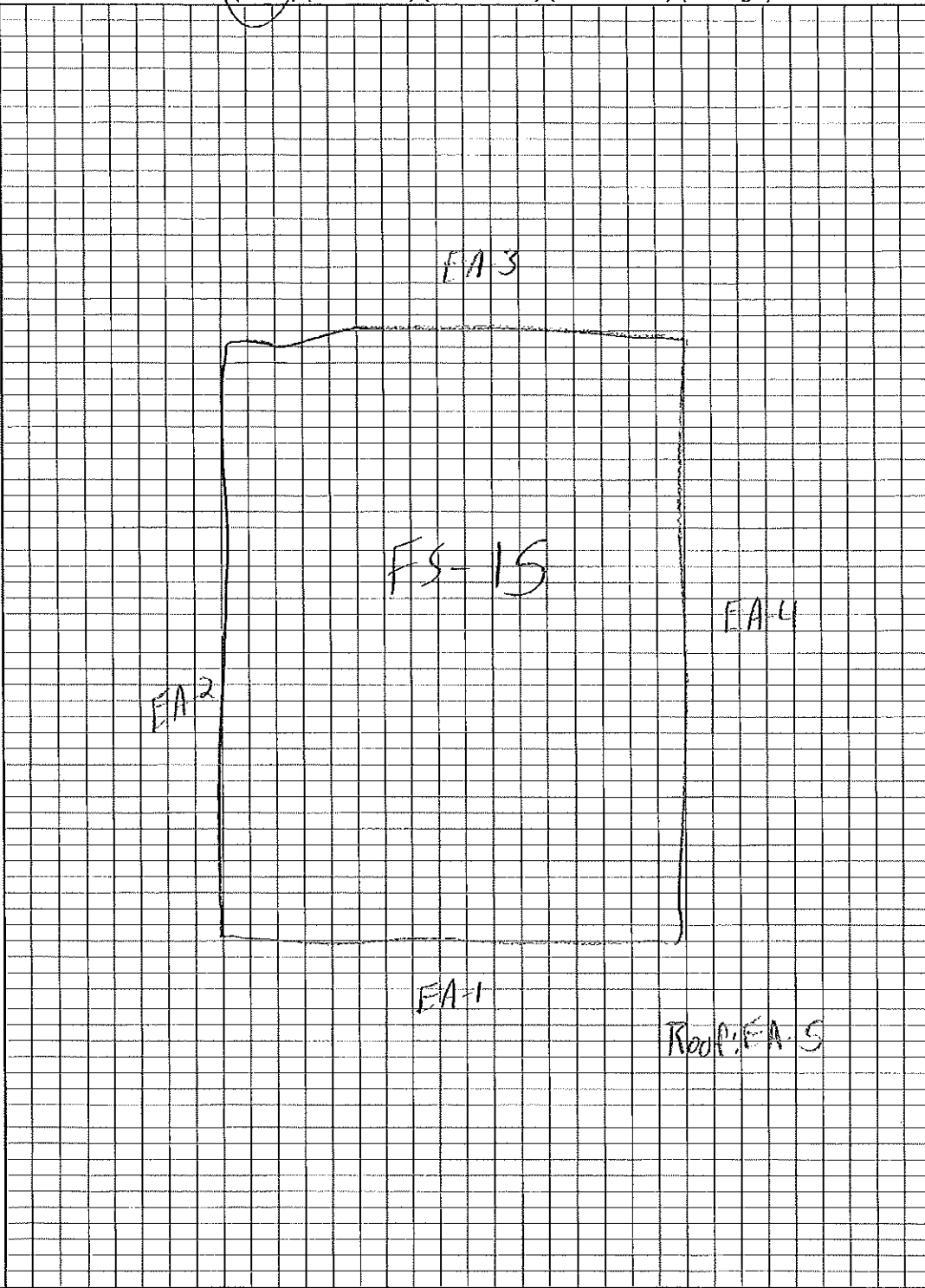


Street Address: 1412 N Burdick

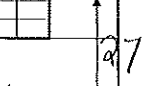
27



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



Street Address: 1412 N Burdick





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



| | |
|--|--|
| Client Name: | City of Kalamazoo |
| Project Name: | Residential Asbestos Survey |
| Project Number: | 188BS22619 |
| Project Site Address (Subject Property): | 1413 N. Edwards, Kalamazoo, MI |
| Date of Site Visit: | 10/10/22 |
| Asbestos Inspection Performed by: | Andrew DeLodder (A48677) |
| Asbestos Inspector's Signature: | <i>Andrew DeLodder</i> |
| Areas Not Accessible: | Basement and 2 nd Floor Inaccessible (Fire Damaged) |
| Number of Floors: | 2 + Basement |
| 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 pre-demolition asbestos and other regulated materials inspection of the subject unoccupied residential property. The basement and 2nd floor were inaccessible due to fire damage and were not inspected.

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 |
|-----------------|--|--------------|----------|-----------------------|-----------------|
| 8-EC-A,B,C | Exterior Caulk – gray, on electrical equipment and penetrations | EA-2 | 1 SF | 20% Chrysotile | Cat II |
| 11-EC-A,B,C | Exterior Caulk – white, along wood siding on rear porch | EA - 3 | 10 LF | 2% Chrysotile | Cat II |
| 12-EC-A,B,C | Exterior Caulk – gray, on gas meter penetration | EA - 4 | 1 SF | 15% Chrysotile | Cat II |
| 17-PL-A,B,C,D,E | Plaster on lath | FS-2,3,4,5,6 | 2190 SF | 2.75% Chrysotile (PC) | RACM |
| 23-PI-A,B,C | Pipe Insulation – on vertical pipe run in corner of kitchen (assumed in inaccessible basement and 2 nd floor) | FS-6 | 15 LF | 55% 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 Materials - House | EA-5 | ND |
| 2-RM-A,B,C | Roofing Materials - Garage | EA-10 | ND |
| 3-VP-A,B,C | Vapor Paper- black, under wood siding | EA-2 | ND |
| 4-VP-A,B,C | Vapor Paper – reddish brown, under wood siding | EA-1,2,3,4 | ND |
| 5 | No Sample | No Sample | ND |
| 6-VB-A,B,C | Vapor Board- under wood siding | EA-3 | ND |
| 7-EC-A,B,C | Exterior Caulk – white, on front porch between CMU block and wood siding | EA-1 | ND |
| 8-EC-A,B,C | Exterior Caulk – gray, on electrical equipment and penetrations | EA-2 | 20% Chrysotile |
| 9-EC-A,B,C | Exterior Caulk – white on gutters | EA-2,4 | ND |
| 10-EC-A,B,C | Exterior Caulk – beige, on wood siding, roofline | EA – 1,2,3,4 | ND |
| 11-EC-A,B,C | Exterior Caulk – white, along wood siding on rear porch | EA - 3 | 2% Chrysotile |
| 12-EC-A,B,C | Exterior Caulk – gray, on gas meter penetration | EA - 4 | 15% Chrysotile |
| 13-WG-A,B,C | Window Glaze – white, house wood windows | EA – 1,2,3,4 | ND |
| 14-WG-A,B,C | Window Glaze – white, soft, house wood windows replacement glaze | EA- 1,2,3,4 | ND |
| 15-WG-A,B,C | Window Glaze – front porch windows, on front porch and stack in garage. | EA-1, FS-8 | ND |
| 16-WG-A,B,C | Window Glaze – white, garage wood windows. | EA-7&9 | ND |
| 17-PL-A,B,C,D,E | Plaster on lath | FS-2,3,4,5,6 | 2.75% Chrysotile (PC) |

| | | | |
|--------------------|--|--------------|-----------------------|
| 18-PL-A,B,C | Plaster on stack brick | FS-6 | 0.75% Chrysotile (PC) |
| 19-TPL-A,B,C,D,E | Textured Plaster – rough texture | FS-2,3,4,5,6 | ND |
| 20-WB-A,B,C | Wallboard – Sheet of WB in garage | FS-8 | ND |
| 21-WBS-A,B,C | Wallboard System | FS-2,3,4,5,6 | ND |
| 22-HS-A,B,C | Heat Shield- light fixture | FS-1,4 | ND |
| 23-PI-A,B,C | Pipe Insulation – on vertical pipe run in corner of kitchen (assumed in inaccessible basement and 2nd floor) | FS-6 | 55% Chrysotile |
| 24-FS-A,B,C | Floor Sheeting – remnants of old flooring on front porch | FS-1 | ND |
| 25-FT-A,B,C | Floor Tile – faux wood pattern | FS-2,3,4 | ND |
| 26-CP-A,B,C | Ceiling Panel – yellow fiberglass panel with white vinyl cover | FS-8 | ND |
| 27-CT-A,B,C | Ceiling Tile – 12"x12" | FS-4 | ND |
| 28-GM-A,B,C | Ceramic Tile Grout & Mortar – stack of tile on back porch. | EA-3 | ND |
| 29-FM-A,B,C | Ceramic Tile Grout & Mortar – wall tile | FS-5 | ND |
| 30-GM-A,B,C | Ceramic Tile Grout & Mortar – floor tile | FS-5 | ND |
| 31-GM-A,B,C | Ceramic Tile Grout & Mortar – floor tile | FS-6 | ND |
| 32-BM-A,B,C | Brick & Mortar – CMU block, front porch foundation | EA-1 | ND |
| 33-BM-A,B,C | Brick & Mortar – house foundation | FS-1,2,3,4 | ND |
| 34-BM-A,B,C | Brick and Mortar - stack | FS-7 | ND |
| 35-CC-A,B,C | Concrete Chip - exterior | FS-1,3,4 | ND |
| 36-CC-A,B,C | Concrete Chip – garage floor | FS-8 | ND |

| | | | |
|--------------|---|------------|----|
| 37-CC-A,B,C | Concrete Chip – durock sheet | FS-8 | ND |
| 38-BI-A,B,C | Blown-In Insulation – in exterior walls | EA-1,2,3,4 | ND |
| 39-IC-A,B,C | Interior Caulk- tub | FS-5 | ND |
| 40-WR-A,B,C | Window Rope | EA-1,2,3,4 | ND |
| 41-SU-A,B,C | Sink Undercoating - black | FS-6 | ND |
| 42-GTM-A,B,C | Gasket Material – front door gasket | FS-1 | 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-3, FS-6 | 2 |
| Misc. Items | FS-8 | 10+ |
| Paint Cans | FS-6 | 5 |
| Smoke Detectors | FS-2,3,4,6 | 4 |
| Thermostats | FS-3 | 1 |
| CRTs/TV Screens/Monitors/Electronics | FS-3 | 1 |

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

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

| DESCRIPTION | DESIGNATION |
|-----------------------------------|---------------------|
| Interior Functional Spaces | |
| Basement | FS-9 |
| 1 st Floor | FS-1, 2, 3, 4, 5, 6 |
| 2 nd Floor | FS-10 |
| Garage | FS-8 |
| Exterior Areas | |
| Outside Surrounding (House) | EA-1,2,3,4 |
| Outside Surrounding (Garage) | EA-6, 7, 8, 9 |

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: 251689
Client Project: 188BS22619
Report Date: 10/21/2022

Attention: Robert Smith
Project Location: 1413 N Edwards, Kalamazoo, MI 49007

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1410820 | 1-RM-A | Asbestos | 10/20/2022 |
| 1410821 | 1-RM-B | Asbestos | 10/20/2022 |
| 1410822 | 1-RM-C | Asbestos | 10/20/2022 |
| 1410823 | 2-RM-A | Asbestos | 10/20/2022 |
| 1410824 | 2-RM-B | Asbestos | 10/20/2022 |
| 1410825 | 2-RM-C | Asbestos | 10/20/2022 |
| 1410826 | 3-VP-A | Asbestos | 10/20/2022 |
| 1410827 | 3-VP-B | Asbestos | 10/20/2022 |
| 1410828 | 3-VP-C | Asbestos | 10/20/2022 |
| 1410829 | 4-VP-A | Asbestos | 10/20/2022 |
| 1410830 | 4-VP-B | Asbestos | 10/20/2022 |
| 1410831 | 4-VP-C | Asbestos | 10/20/2022 |
| 1410832 | 6-VB-A | Asbestos | 10/20/2022 |
| 1410833 | 6-VB-B | Asbestos | 10/20/2022 |
| 1410834 | 6-VB-C | Asbestos | 10/20/2022 |
| 1410835 | 7-EC-A | Asbestos | 10/21/2022 |


| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1410836 | 7-EC-B | Asbestos | 10/21/2022 |
| 1410837 | 7-EC-C | Asbestos | 10/21/2022 |
| 1410838 | 8-EC-A | Asbestos | 10/20/2022 |
| 1410839 | 8-EC-B | Asbestos | 10/20/2022 |
| 1410840 | 8-EC-C | Asbestos | 10/20/2022 |
| 1410841 | 9-EC-A | Asbestos | 10/20/2022 |
| 1410842 | 9-EC-B | Asbestos | 10/20/2022 |
| 1410843 | 9-EC-C | Asbestos | 10/20/2022 |
| 1410844 | 10-EC-A | Asbestos | 10/20/2022 |
| 1410845 | 10-EC-B | Asbestos | 10/20/2022 |
| 1410846 | 10-EC-C | Asbestos | 10/20/2022 |
| 1410847 | 11-EC-A | Asbestos | 10/20/2022 |
| 1410848 | 11-EC-B | Asbestos | 10/20/2022 |
| 1410849 | 11-EC-C | Asbestos | 10/20/2022 |
| 1410850 | 12-EC-A | Asbestos | 10/20/2022 |
| 1410851 | 12-EC-B | Asbestos | 10/20/2022 |
| 1410852 | 12-EC-C | Asbestos | 10/20/2022 |
| 1410853 | 13-WG-A | Asbestos | 10/20/2022 |
| 1410854 | 13-WG-B | Asbestos | 10/20/2022 |
| 1410855 | 13-WG-C | Asbestos | 10/20/2022 |
| 1410856 | 14-WG-A | Asbestos | 10/20/2022 |
| 1410857 | 14-WG-B | Asbestos | 10/20/2022 |
| 1410858 | 14-WG-C | Asbestos | 10/20/2022 |
| 1410859 | 15-WG-A | Asbestos | 10/20/2022 |
| 1410860 | 15-WG-B | Asbestos | 10/20/2022 |
| 1410861 | 15-WG-C | Asbestos | 10/20/2022 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1410862 | 16-WG-A | Asbestos | 10/20/2022 |
| 1410863 | 16-WG-B | Asbestos | 10/20/2022 |
| 1410864 | 16-WG-C | Asbestos | 10/20/2022 |
| 1410865 | 17-PL-A | Asbestos | 10/21/2022 |
| 1410866 | 17-PL-B | Asbestos | 10/20/2022 |
| 1410867 | 17-PL-C | Asbestos | 10/20/2022 |
| 1410868 | 17-PL-D | Asbestos | 10/20/2022 |
| 1410869 | 17-PL-E | Asbestos | 10/20/2022 |
| 1410870 | 18-PL-A | Asbestos | 10/21/2022 |
| 1410871 | 18-PL-B | Asbestos | 10/21/2022 |
| 1410872 | 18-PL-C | Asbestos | 10/21/2022 |
| 1410873 | 19-TPL-A | Asbestos | 10/20/2022 |
| 1410874 | 19-TPL-B | Asbestos | 10/20/2022 |
| 1410875 | 19-TPL-C | Asbestos | 10/20/2022 |
| 1410876 | 19-TPL-D | Asbestos | 10/20/2022 |
| 1410877 | 19-TPL-E | Asbestos | 10/20/2022 |
| 1410878 | 20-WB-A | Asbestos | 10/20/2022 |
| 1410879 | 20-WB-B | Asbestos | 10/20/2022 |
| 1410880 | 20-WB-C | Asbestos | 10/20/2022 |
| 1410881 | 21-WBS-A | Asbestos | 10/20/2022 |
| 1410882 | 21-WBS-B | Asbestos | 10/20/2022 |
| 1410883 | 21-WBS-C | Asbestos | 10/20/2022 |
| 1410884 | 22-HS-A | Asbestos | 10/20/2022 |
| 1410885 | 22-HS-B | Asbestos | 10/20/2022 |
| 1410886 | 22-HS-C | Asbestos | 10/20/2022 |
| 1410887 | 23-PI-A | Asbestos | 10/20/2022 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1410888 | 23-PI-B | Asbestos | 10/20/2022 |
| 1410889 | 23-PI-C | Asbestos | 10/20/2022 |
| 1410890 | 24-FS-A | Asbestos | 10/20/2022 |
| 1410891 | 24-FS-B | Asbestos | 10/20/2022 |
| 1410892 | 24-FS-C | Asbestos | 10/20/2022 |
| 1410893 | 25-FT-A | Asbestos | 10/20/2022 |
| 1410894 | 25-FT-B | Asbestos | 10/20/2022 |
| 1410895 | 25-FT-C | Asbestos | 10/20/2022 |
| 1410896 | 26-CP-A | Asbestos | 10/20/2022 |
| 1410897 | 26-CP-B | Asbestos | 10/20/2022 |
| 1410898 | 26-CP-C | Asbestos | 10/20/2022 |
| 1410899 | 27-CT-A | Asbestos | 10/20/2022 |
| 1410900 | 27-CT-B | Asbestos | 10/20/2022 |
| 1410901 | 27-CT-C | Asbestos | 10/20/2022 |
| 1410902 | 28-GM-A | Asbestos | 10/20/2022 |
| 1410903 | 28-GM-B | Asbestos | 10/20/2022 |
| 1410904 | 28-GM-C | Asbestos | 10/20/2022 |
| 1410905 | 29-GM-A | Asbestos | 10/20/2022 |
| 1410906 | 29-GM-B | Asbestos | 10/20/2022 |
| 1410907 | 29-GM-C | Asbestos | 10/20/2022 |
| 1410908 | 30-GM-A | Asbestos | 10/20/2022 |
| 1410909 | 30-GM-B | Asbestos | 10/20/2022 |
| 1410910 | 30-GM-C | Asbestos | 10/20/2022 |
| 1410911 | 31-GM-A | Asbestos | 10/20/2022 |
| 1410912 | 31-GM-B | Asbestos | 10/20/2022 |
| 1410913 | 31-GM-C | Asbestos | 10/20/2022 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1410914 | 32-BM-A | Asbestos | 10/20/2022 |
| 1410915 | 32-BM-B | Asbestos | 10/20/2022 |
| 1410916 | 32-BM-C | Asbestos | 10/20/2022 |
| 1410917 | 33-BM-A | Asbestos | 10/20/2022 |
| 1410918 | 33-BM-B | Asbestos | 10/20/2022 |
| 1410919 | 33-BM-C | Asbestos | 10/20/2022 |
| 1410920 | 34-BM-A | Asbestos | 10/20/2022 |
| 1410921 | 34-BM-B | Asbestos | 10/20/2022 |
| 1410922 | 34-BM-C | Asbestos | 10/20/2022 |
| 1410923 | 35-CC-A | Asbestos | 10/20/2022 |
| 1410924 | 35-CC-B | Asbestos | 10/20/2022 |
| 1410925 | 35-CC-C | Asbestos | 10/20/2022 |
| 1410926 | 36-CC-A | Asbestos | 10/20/2022 |
| 1410927 | 36-CC-B | Asbestos | 10/20/2022 |
| 1410928 | 36-CC-C | Asbestos | 10/20/2022 |
| 1410929 | 37-CC-A | Asbestos | 10/20/2022 |
| 1410930 | 37-CC-B | Asbestos | 10/20/2022 |
| 1410931 | 37-CC-C | Asbestos | 10/20/2022 |
| 1410932 | 38-BI-A | Asbestos | 10/20/2022 |
| 1410933 | 38-BI-B | Asbestos | 10/20/2022 |
| 1410934 | 38-BI-C | Asbestos | 10/20/2022 |
| 1410935 | 39-IC-A | Asbestos | 10/20/2022 |
| 1410936 | 39-IC-B | Asbestos | 10/20/2022 |
| 1410937 | 39-IC-C | Asbestos | 10/20/2022 |
| 1410938 | 40-WR-A | Asbestos | 10/20/2022 |
| 1410939 | 40-WR-B | Asbestos | 10/20/2022 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1410940 | 40-WR-C | Asbestos | 10/20/2022 |
| 1410941 | 41-SU-A | Asbestos | 10/20/2022 |
| 1410942 | 41-SU-B | Asbestos | 10/20/2022 |
| 1410943 | 41-SU-C | Asbestos | 10/20/2022 |
| 1410944 | 42-GTM-A | Asbestos | 10/20/2022 |
| 1410945 | 42-GTM-B | Asbestos | 10/20/2022 |
| 1410946 | 42-GTM-C | Asbestos | 10/20/2022 |

Reviewed by: 
Emily Nowacki

| <u>Summary</u> | | | |
|----------------|--------|-------|--------|
| Method | Sample | Layer | Mastic |
| PLM | 136 | 7 | 2 |
| Point Count | 4 | | |

Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-------------|------------------------------------|------------------|---------------|-------------------|
| 1410820 1-RM-A | Shingle | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410821 1-RM-B | Shingle | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410822 1-RM-C | Shingle | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410823 2-RM-A | Shingle | Brown Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410824 2-RM-B | Shingle | Brown Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410825 2-RM-C | Shingle | Brown Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |

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.

Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-------------|--------------------------------|-------------------|---------------|-------------------|
| 1410826 3-VP-A | Vapor Paper | Black Fibrous Homogenous | PLM 95% Cellulose | PLM 5% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410827 3-VP-B | Vapor Paper | Black Fibrous Homogenous | PLM 95% Cellulose | PLM 5% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410828 3-VP-C | Vapor Paper | Black Fibrous Homogenous | PLM 95% Cellulose | PLM 5% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410829 4-VP-A | Vapor Paper | Brown Fibrous Homogenous | PLM 95% Cellulose | PLM 5% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410830 4-VP-B | Vapor Paper | Brown Fibrous Homogenous | PLM 95% Cellulose | PLM 5% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410831 4-VP-C | Vapor Paper | Brown Fibrous Homogenous | PLM 95% Cellulose | PLM 5% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|----------------|-----------------------------------|-------------------|---------------|-------------------|
| 1410832 6-VB-A | Vapor Board | Brown Fibrous Homogenous | PLM 95% Cellulose | PLM 5% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410833 6-VB-B | Vapor Board | Brown Fibrous Homogenous | PLM 95% Cellulose | PLM 5% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410834 6-VB-C | Vapor Board | Brown Fibrous Homogenous | PLM 95% Cellulose | PLM 5% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410835 7-EC-A | Exterior Caulk | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Eleni Kiliaris Date Analyzed : 10/21/2022 | | | | | |
| 1410836 7-EC-B | Exterior Caulk | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Eleni Kiliaris Date Analyzed : 10/21/2022 | | | | | |
| 1410837 7-EC-C | Exterior Caulk | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Eleni Kiliaris Date Analyzed : 10/21/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|----------------|-------------------------------------|------------------|---------------|--------------------|
| 1410838 8-EC-A | Exterior Caulk | Orange Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 75% Other | PLM 20% Chrysotile |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410839 8-EC-B | | Positive Stop | | | |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 Layer Not Analyzed | | | | | |
| 1410840 8-EC-C | | Positive Stop | | | |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 Layer Not Analyzed | | | | | |
| 1410841 9-EC-A | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410842 9-EC-B | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410843 9-EC-C | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|----------------|------------------------------------|------------------|---------------|-------------------|
| 1410844 10-EC-A | Exterior Caulk | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410845 10-EC-B | Exterior Caulk | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410846 10-EC-C | Exterior Caulk | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410847 11-EC-A | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 96% Other | PLM 2% Chrysotile |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410848 11-EC-B | | Positive Stop | | | |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 Layer Not Analyzed | | | | | |
| 1410849 11-EC-C | | Positive Stop | | | |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 Layer Not Analyzed | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|----------------|-----------------------------------|------------------|---------------|--------------------|
| 1410850 12-EC-A | Exterior Caulk | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 83% Other | PLM 15% Chrysotile |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410850 12-EC-A | Exterior Caulk | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410851 12-EC-B | | Positive Stop | | | |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 Layer Not Analyzed | | | | | |
| 1410851 12-EC-B | Exterior Caulk | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410852 12-EC-C | | Positive Stop | | | |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 Layer Not Analyzed | | | | | |
| 1410852 12-EC-C | Exterior Caulk | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |

Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--------------|------------------------------------|------------------|---------------|-------------------|
| 1410853 13-WG-A | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410854 13-WG-B | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410855 13-WG-C | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410856 14-WG-A | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410857 14-WG-B | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410858 14-WG-C | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--------------|-----------------------------------|------------------|---------------|-------------------|
| 1410859 15-WG-A | Window Glaze | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410860 15-WG-B | Window Glaze | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410861 15-WG-C | Window Glaze | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410862 16-WG-A | Window Glaze | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410863 16-WG-B | Window Glaze | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410864 16-WG-C | Window Glaze | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |

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Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-------------|-----------------------------------|------------------|-----------------|---------------------|
| 1410865 17-PL-A | Plaster | Gray Non-Fibrous Homogenous | | PC 97.25% Other | PC 2.75% Chrysotile |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 10/21/2022 | | | | | |
| 1410865 17-PL-A | Skimcoat | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 10/21/2022 | | | | | |
| 1410866 17-PL-B | | Positive Stop | | | |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 Layer Not Analyzed | | | | | |
| 1410866 17-PL-B | Skimcoat | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410867 17-PL-C | | Positive Stop | | | |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 Layer Not Analyzed | | | | | |
| 1410867 17-PL-C | Skimcoat | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |

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Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-------------|-----------------------------------|------------------|-----------------|---------------------|
| 1410868 17-PL-D | | Positive Stop | | | |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 Layer Not Analyzed | | | | | |
| 1410868 17-PL-D | Skimcoat | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410869 17-PL-E | | Positive Stop | | | |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 Layer Not Analyzed | | | | | |
| 1410869 17-PL-E | Skimcoat | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410870 18-PL-A | Plaster | Gray Non-Fibrous Homogenous | | PC 99.75% Other | PC 0.25% Chrysotile |
| Layer-1 Analyst: Emily Spotts Date Analyzed : 10/21/2022 | | | | | |
| 1410870 18-PL-A | Skimcoat | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Emily Spotts Date Analyzed : 10/21/2022 | | | | | |

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Date Received : 10/18/2022

Location :
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| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|-------------|------------------------------------|------------------|-----------------|---------------------|
| 1410871 18-PL-B | Plaster | Gray Non-Fibrous Homogenous | | PC 99.75% Other | PC 0.25% Chrysotile |
| Layer-1 Analyst: Emily Spotts Date Analyzed : 10/21/2022 | | | | | |
| 1410871 18-PL-B | Skimcoat | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Emily Spotts Date Analyzed : 10/21/2022 | | | | | |
| 1410872 18-PL-C | Plaster | Gray Non-Fibrous Homogenous | | PC 99.25% Other | PC 0.75% Chrysotile |
| Layer-1 Analyst: Emily Spotts Date Analyzed : 10/21/2022 | | | | | |
| 1410872 18-PL-C | Skimcoat | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Emily Spotts Date Analyzed : 10/21/2022 | | | | | |
| 1410873 19-TPL-A | Texture | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410874 19-TPL-B | Texture | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |

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Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--|------------------------------------|-------------------|---------------|-------------------|
| 1410875 19-TPL-C | Texture | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410876 19-TPL-D | Texture | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410877 19-TPL-E | Texture | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Aaron Trail Date Analyzed : 10/20/2022 | | | | | |
| 1410878 20-WB-A | Wallboard, Sheet of Wallboard in Garage | Gray Non-Fibrous Homogenous | PLM 8% Cellulose | PLM 92% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410879 20-WB-B | Wallboard, Sheet of Wallboard in Garage | Gray Non-Fibrous Homogenous | PLM 10% Cellulose | PLM 90% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410880 20-WB-C | Wallboard, Sheet of Wallboard in Garage | Gray Non-Fibrous Homogenous | PLM 10% Cellulose | PLM 90% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |

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Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|----------------------------|------------------------------------|-------------------|---------------|-------------------|
| 1410881 21-WBS-A | Wallboard System-Wallboard | Gray Non-Fibrous Homogenous | PLM 7% Cellulose | PLM 93% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410881 21-WBS-A | Texture | White Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410882 21-WBS-B | Wallboard System-Wallboard | Gray Non-Fibrous Homogenous | PLM 10% Cellulose | PLM 90% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410882 21-WBS-B | Texture | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410883 21-WBS-C | Wallboard System-Wallboard | Gray Non-Fibrous Homogenous | PLM 9% Cellulose | PLM 91% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410883 21-WBS-C | Texture | White Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |

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 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|----------------------------|--------------------------------|---------------------|---------------|--------------------|
| 1410884 22-HS-A | Heat Shield, Light Fixture | White Fibrous Homogenous | PLM 99% Fiberglass | PLM 1% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410885 22-HS-B | Heat Shield, Light Fixture | White Fibrous Homogenous | PLM 100% Fiberglass | | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410886 22-HS-C | Heat Shield, Light Fixture | White Fibrous Homogenous | PLM 94% Fiberglass | PLM 6% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410887 23-PI-A | Pipe Wrap | Gray Fibrous Homogenous | PLM 20% Cellulose | PLM 25% Other | PLM 55% Chrysotile |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410888 23-PI-B | | Positive Stop | | | |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 Sample Not Analyzed | | | | | |
| 1410889 23-PI-C | | Positive Stop | | | |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 Sample Not Analyzed | | | | | |

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Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|----------------|---------------------------------------|-------------------|---------------|-------------------|
| 1410890 24-FS-A | Floor Sheeting | Tan / Green Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410891 24-FS-B | Floor Sheeting | Tan / Green Fibrous Homogenous | PLM 78% Cellulose | PLM 22% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410892 24-FS-C | Floor Sheeting | Tan / Green Fibrous Homogenous | PLM 80% Cellulose | PLM 20% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410893 25-FT-A | Floor Tile | Wood Pattern Fibrous Homogenous | PLM 94% Cellulose | PLM 6% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410894 25-FT-B | Floor Tile | Wood Pattern Fibrous Homogenous | PLM 97% Cellulose | PLM 3% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410895 25-FT-C | Floor Tile | Wood Pattern Fibrous Homogenous | PLM 98% Cellulose | PLM 2% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |

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| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|---------------------------|---------------------------------|---------------------|---------------|-------------------|
| 1410896 26-CP-A | Ceiling Panel, Fiberglass | Yellow Fibrous Homogenous | PLM 89% Fiberglass | PLM 11% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410897 26-CP-B | Ceiling Panel, Fiberglass | Yellow Fibrous Homogenous | PLM 95% Fiberglass | PLM 5% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410898 26-CP-C | Ceiling Panel, Fiberglass | Yellow Fibrous Homogenous | PLM 100% Fiberglass | | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 10/20/2022 | | | | | |
| 1410899 27-CT-A | Ceiling Tile | Brown Fibrous Homogenous | PLM 100% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410900 27-CT-B | Ceiling Tile | Brown Fibrous Homogenous | PLM 100% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410901 27-CT-C | Ceiling Tile | Brown Fibrous Homogenous | PLM 100% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |

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| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--------------|------------------------------------|-----------|----------------|-------------------|
| 1410902 28-GM-A | Ceramic Tile | Red Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410903 28-GM-B | Ceramic Tile | Red Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410904 28-GM-C | Ceramic Tile | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410905 29-GM-A | Ceramic Tile | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410905 29-GM-A | Grout | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410906 29-GM-B | Ceramic Tile | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--------------|------------------------------------|-----------|----------------|-------------------|
| 1410907 29-GM-C | Ceramic Tile | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410907 29-GM-C | Grout | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410908 30-GM-A | Ceramic Tile | Tan Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410908 30-GM-A | Grout | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410908 30-GM-A | Adhesive | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-3 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--------------|------------------------------------|-----------|----------------|-------------------|
| 1410909 30-GM-B | Ceramic Tile | Tan Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410909 30-GM-B | Grout | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410910 30-GM-C | Ceramic Tile | Tan Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410910 30-GM-C | Grout | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410910 30-GM-C | Adhesive | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-3 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--------------|------------------------------------|-----------|----------------|-------------------|
| 1410911 31-GM-A | Ceramic Tile | Tan Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410911 31-GM-A | Grout | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410911 31-GM-A | Mortar | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-3 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410912 31-GM-B | Ceramic Tile | Tan Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410912 31-GM-B | Grout | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410912 31-GM-B | Mortar | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-3 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--------------|------------------------------------|-----------|----------------|-------------------|
| 1410913 31-GM-C | Ceramic Tile | Tan Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410913 31-GM-C | Grout | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410913 31-GM-C | Mortar | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-3 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410914 32-BM-A | CMU Block | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410915 32-BM-B | CMU Block | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410916 32-BM-C | CMU Block | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |

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NVLAP LAB CODE 201028-0

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 : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--------------|-----------------------------------|-----------|----------------|-------------------|
| 1410917 33-BM-A | Brick Mortar | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410918 33-BM-B | Brick Mortar | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410919 33-BM-C | Brick Mortar | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410920 34-BM-A | Brick Mortar | Tan Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410921 34-BM-B | Brick Mortar | Tan Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410922 34-BM-C | Brick Mortar | Tan Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|---------------|-----------------------------------|-----------|----------------|-------------------|
| 1410923 35-CC-A | Concrete Chip | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410924 35-CC-B | Concrete Chip | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410925 35-CC-C | Concrete Chip | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410926 36-CC-A | Concrete Chip | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410927 36-CC-B | Concrete Chip | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410928 36-CC-C | Concrete Chip | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|---------------|----------------------------------|------------------------|----------------|-------------------|
| 1410929 37-CC-A | Concrete Chip | Tan Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410929 37-CC-A | Mesh | White Fibrous Homogenous | PLM 100% Other fibrous | | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410930 37-CC-B | Concrete Chip | Tan Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410930 37-CC-B | Mesh | White Fibrous Homogenous | PLM 100% Other fibrous | | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410931 37-CC-C | Concrete Chip | Tan Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410931 37-CC-C | Mesh | White Fibrous Homogenous | PLM 100% Other fibrous | | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|---------------------|------------------------------------|--------------------|----------------|-------------------|
| 1410932 38-BI-A | Blown-in Insulation | Brown Fibrous Homogenous | PLM 100% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410933 38-BI-B | Blown-in Insulation | Brown Fibrous Homogenous | PLM 100% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410934 38-BI-C | Blown-in Insulation | Brown Fibrous Homogenous | PLM 100% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410935 39-IC-A | Interior Caulk | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410936 39-IC-B | Interior Caulk | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410937 39-IC-C | Interior Caulk | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-------------------|------------------------------------|--------------------|----------------|-------------------|
| 1410938 40-WR-A | Window Rope | Brown Fibrous Homogenous | PLM 100% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410939 40-WR-B | Window Rope | Brown Fibrous Homogenous | PLM 100% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410940 40-WR-C | Window Rope | Brown Fibrous Homogenous | PLM 100% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410941 41-SU-A | Sink Undercoating | Black Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410942 41-SU-B | Sink Undercoating | Black Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |
| 1410943 41-SU-C | Sink Undercoating | Black Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 10/20/2022 | | | | | |

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NVLAP LAB CODE 201028-0

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 : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---------------------|-----------------|------------------------------------|-----------|----------------|-------------------|
| 1410944 42-GTM-A | Gasket Material | Black Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |

Analyst: Emmett Zainea
Date Analyzed : 10/20/2022

| | | | | | |
|---------------------|-----------------|------------------------------------|--|----------------|-------------------|
| 1410945 42-GTM-B | Gasket Material | Black Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
|---------------------|-----------------|------------------------------------|--|----------------|-------------------|

Analyst: Emmett Zainea
Date Analyzed : 10/20/2022

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.

Polarized Light Microscopy Asbestos Analysis Report


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

ETL Job : 251689
 Client Project : 188BS22619
 Date Collected : 10/10/2022
 Date Received : 10/18/2022


Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---------------------|-----------------|------------------------------------|-----------|----------------|-------------------|
| 1410946 42-GTM-C | Gasket Material | Black Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |


Analyst: Emmett Zainea
 Date Analyzed : 10/20/2022


 Lab Supervisor/Other Signatory

Analyst:



 Aaron Trail


 Emmett Zainea


 Dave Cousino


 Eleni Kiliaris


 Emily Spotts


 OJ Ivey

Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 251689
Client Project : 188BS22619
Date Collected : 10/10/2022
Date Received : 10/18/2022

Location :
 1413 N Edwards, Kalamazoo, MI 49007

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--------|-------------|------------|-----------|---------------|------------|
|--------|-------------|------------|-----------|---------------|------------|

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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ENVIRONMENTAL TESTING LABORATORIES, INC

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ROMULUS, MICHIGAN 48174
(734) 955-6600
FAX: (734) 992-2261
www.2etl.com

**Bulk Asbestos
Chain of Custody**

ETL Project #: **251689A**

| | | |
|---|---|--|
| Client: ATC Group Services | Contact: Rob Smith Phone: 248-669-5140 | Project Location/name: 1413 N Edwards KALAMAZOO, MI 49007 |
| Address: 46555 Humboldt Dr. Ste. 100 Novi, MI 48377 | Fax: 248-669-5147 E-mail: robert.smith@atcgs.com | Client Project #: 188522619 |
| Please Provide Results: <input type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other | | Date Sampled: 10.10.2022 |

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

PLM Instructions
(Check all that apply)

| | |
|---|--|
| <input 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 |
|---------------|-----------------|--|-----------------|----------|
| 1410820, 821 | 1-RM-A,B,C 822 | Roofing material - house | EA-5 | 1,200 SF |
| 823, 824 | 2-RM-A,B,C 825 | Roofing material - garage | EA-10 | 450 SF |
| 826, 827, 828 | 3-VP-A,B,C | Vapor paper - black, under wood siding | EA-2 | 660 SF |
| 829, 830, 831 | 4-VP-A,B,C | Vapor paper - reddish brown, under wood siding | EA-1,2,3,4 | 1,975 SF |
| | 5 | SAMPLE NOT USED | SAMPLE NOT USED | NA |
| 832, 833, 834 | 6-VB-A,B,C | Vapor board - under wood siding | EA-3 | 300 SF |
| 835, 836, 837 | 7-EC-A,B,C | Exterior caulk - white, on front porch between CMU block and wood siding | EA-1 | 25 LF |
| 838, 839, 840 | 8-EC-A,B,C | Exterior caulk - grey, on electrical equipment and penetration | EA-2 | 1 SF |
| 841, 842, 843 | 9-EC-A,B,C | Exterior caulk - white, on gutters | EA-2,4 | 10 SF |
| 844, 845 | 10-EC-A,B,C 846 | Exterior caulk - beige, on wood siding, roofline | EA-1,2,3,4 | 240 LF |

| | Date | Time |
|--|---|----------------------|
| Relinquished (Name/Organization): | Andrew DeLodder / Atlas Technical Consultants | 10.17.2022 12:00 PM |
| Received (Name/ETL): | <i>[Signature]</i> | 10-18-22 10:30 am/pm |
| Sample Login (Name/ETL): | <i>[Signature]</i> | 10-18-22 11:30 am/pm |
| Stereoscopic/Sample Analysis (Name/ETL): | <i>[Signature]</i> | 10-20-22 7:16 am/pm |
| Results (Name/ETL): | <i>[Signature]</i> | 10-20-22 7:16 am/pm |
| QA/QC Review (Name/ETL): | <i>[Signature]</i> | 10-21-22 11:00 am/pm |

Special Instructions: 1st Positive Stop;
 • Composite all drywall/joint compound/mud 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****

ENVIRONMENTAL TESTING LABORATORIES, INC



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**Bulk Asbestos
 Chain of Custody**

ETL Project #: **251689**

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

| Lab ID | Sample ID | Material Description | Sample Location | QUANTITY |
|---------------|---------------------------|--|-----------------|------------|
| 1410847, 848 | 11-EC-A,B,C 849 | Exterior caulk - white, along wood siding on rear porch | EA-3 | 10 LF |
| 850, 851, 852 | 12-EC-A,B,C | Exterior caulk - grey, on gas meter penetration | EA-4 | 1 SF |
| 853, 854, 855 | 13-WG-A,B,C | Window glaze - house wood windows, white | EA-1,2,3,4 | 10 windows |
| 856, 857, 858 | 14-WG-A,B,C | Window glaze - house wood windows, replacement glaze, soft white | EA-1,2,3,4 | 10 windows |
| 859, 860, 861 | 15-WG-A,B,C | Window glaze - front porch windows, on front porch and stack in garage interior | EA-1, FS-8 | 8 windows |
| 862, 863, 864 | 16-WG-A,B,C | Window glaze - garage wood windows, white | EA-7,9 | 2 windows |
| 865, 866, 867 | 17-PL-A,B,C,D,E 868, 869 | Plaster - on lath | FS-2,3,4,5,6 | 2,190 SF |
| 870, 871, 872 | 18-PL-A,B,C | Plaster - over stack brick | FS-6 | 50 SF |
| 873, 874, 875 | 19-TPL-A,B,C,D,E 876, 877 | Textured plaster - rough texture | FS-2,3,4,5,6 | 2,190 SF |
| 878, 879 | 20-WB-A,B,C 880 | Wallboard - sheet of WB in garage | FS-8 | 20 SF |
| 881, 882, 883 | 21-WBS-A,B,C | Wallboard system | FS-2,3,4,5,6 | 1,300 SF |
| 884, 885, 886 | 22-HS-A,B,C | Heat shield - light fixture | FS-1,4 | 2 SF |
| 887, 888, 889 | 23-PI-A,B,C | Pipe wrap - on vertical run in corner of kitchen (assumed in basement and 2nd floor) | FS-6 | 15 LF |
| 890, 891, 892 | 24-FS-A,B,C | Floor sheeting - remnants of old flooring in front porch | FS-1 | 10 SF |
| 893, 894, 895 | 25-FT-A,B,C | Floor tile - faux wood pattern lument plant floor lock-together tiles | FS-2,3,4 | 950 SF |
| 896, 897, 898 | 26-CP-A,B,C | Ceiling panel - yellow fiberglass panel with white vinyl cover used as insulation in garage interior | FS-8 | 600 SF |
| 899, 900, 901 | 27-CT-A,B,C | Ceiling tile - 12" tiles | FS-4 | 150 SF |
| 902, 903, 904 | 28-GM-A,B,C | Ceramic tile grout and mortar - stack of tile on back porch | EA-3 | 10 SF |
| 905, 906, 907 | 29-GM-A,B,C | Ceramic tile grout and mortar - wall tile | FS-5 | 80 SF |
| 908, 909, 910 | 30-GM-A,B,C | Ceramic tile grout and mortar - floor tile | FS-5 | 80 SF |
| 911, 912, 913 | 31-GM-A,B,C | Ceramic tile grout and mortar - floor tile | FS-6 | 175 SF |
| 914, 915, 916 | 32-BM-A,B,C | Brick and mortar - CMU block, front porch foundation | EA-1 | 150 SF |
| 917, 918, 919 | 33-BM-A,B,C | Brick and mortar - chipped block patter, house foundation | FS-1,2,3,4 | 1,125 SF |
| 920, 921, 922 | 34-BM-A,B,C | Brick and mortar - stack | FS-7 | 150 SF |
| 923, 924, 925 | 35-CC-A,B,C | Concrete chip - exterior | FS-1,3,4 | 375 SF |
| 926, 927, 928 | 36-CC-A,B,C | Concrete chip - garage floor | FS-8 | 400 SF |
| 929, 930, 931 | 37-CC-A,B,C | Concrete chip - durock sheet | FS-8 | 20 SF |
| 932, 933, 934 | 38-BI-A,B,C | Blown-in insulation - cellulose, in exterior walls | EA-1,2,3,4 | 1,975 SF |
| 935, 936, 937 | 39-IC-A,B,C | Interior caulk - tub surround | FS-5 | 10 LF |

**Bulk Asbestos
 Chain of Custody**

ETL Project # **251689**

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

| Lab ID | Sample ID | Material Description | Sample Location | QUANTITY |
|-------------|-----------------|--|-----------------|----------|
| 141 0938939 | 40-WR-A,B,C 940 | Window rope | EA-1,2,3,4 | 180 LF |
| 941 942 943 | 41-SU-A,B,C | Sink under coating - black | FS-6 | 10 SF |
| 944 945 946 | 42-GTM-A,B,C | Gasket material - front door gasket, composite, door from front porch to living room | FS-1 | 20 LF |
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ATTACHMENT B
PHOTOGRAPHS

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1413 N. EDWARDS
KALAMAZOO, MI 49007



Street view of the house located at 1413 N Edwards (EA-1)/ (EA-5)

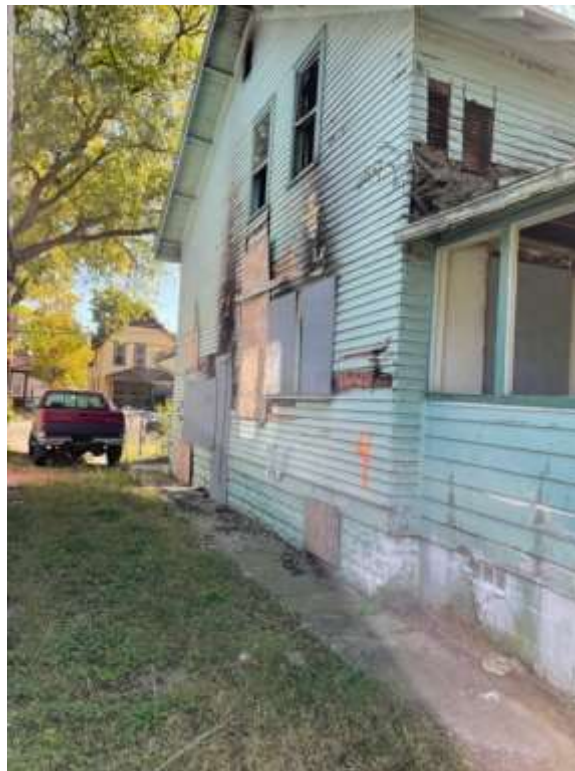


View of the left side of the house (EA-2)

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1413 N. EDWARDS
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
1413 N. EDWARDS
KALAMAZOO, MI 49007



View of EA-6/EA-10



View of EA-7

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1413 N. EDWARDS
KALAMAZOO, MI 49007



View of EA-8



View of EA-9

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1413 N. EDWARDS
KALAMAZOO, MI 49007



View of FS-1



View of FS-2

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1413 N. EDWARDS
KALAMAZOO, MI 49007



View of FS-3



View of FS -4

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1413 N. EDWARDS
KALAMAZOO, MI 49007



View of FS-5



View of FS-6

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1413 N. EDWARDS
KALAMAZOO, MI 49007



View of FS-7



View of FS-8

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1413 N. EDWARDS
KALAMAZOO, MI 49007



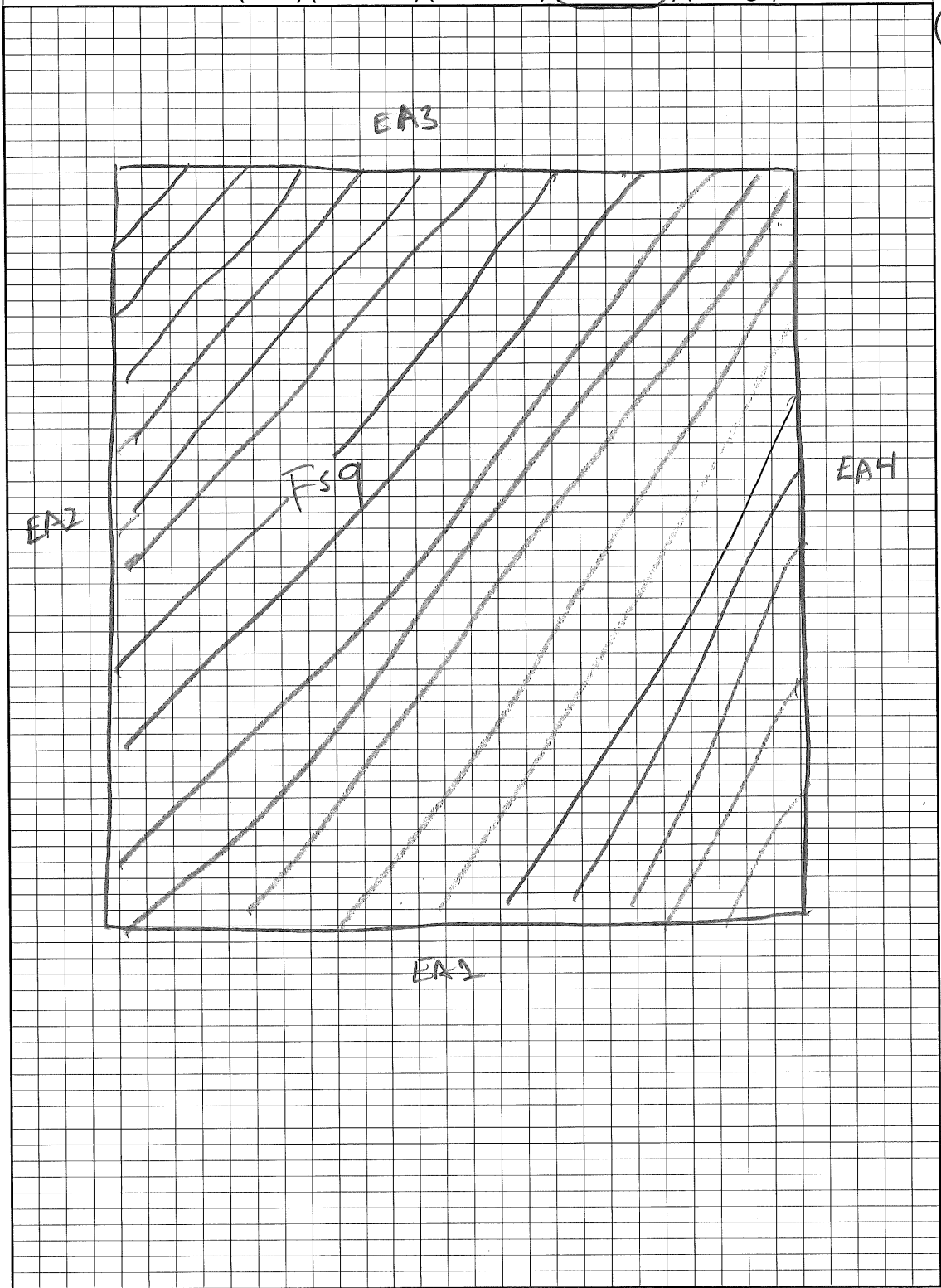
View of FS-9



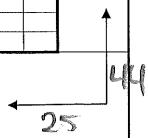
View of FS-10

ATTACHMENT C
FUNCTIONAL SPACE MAPS

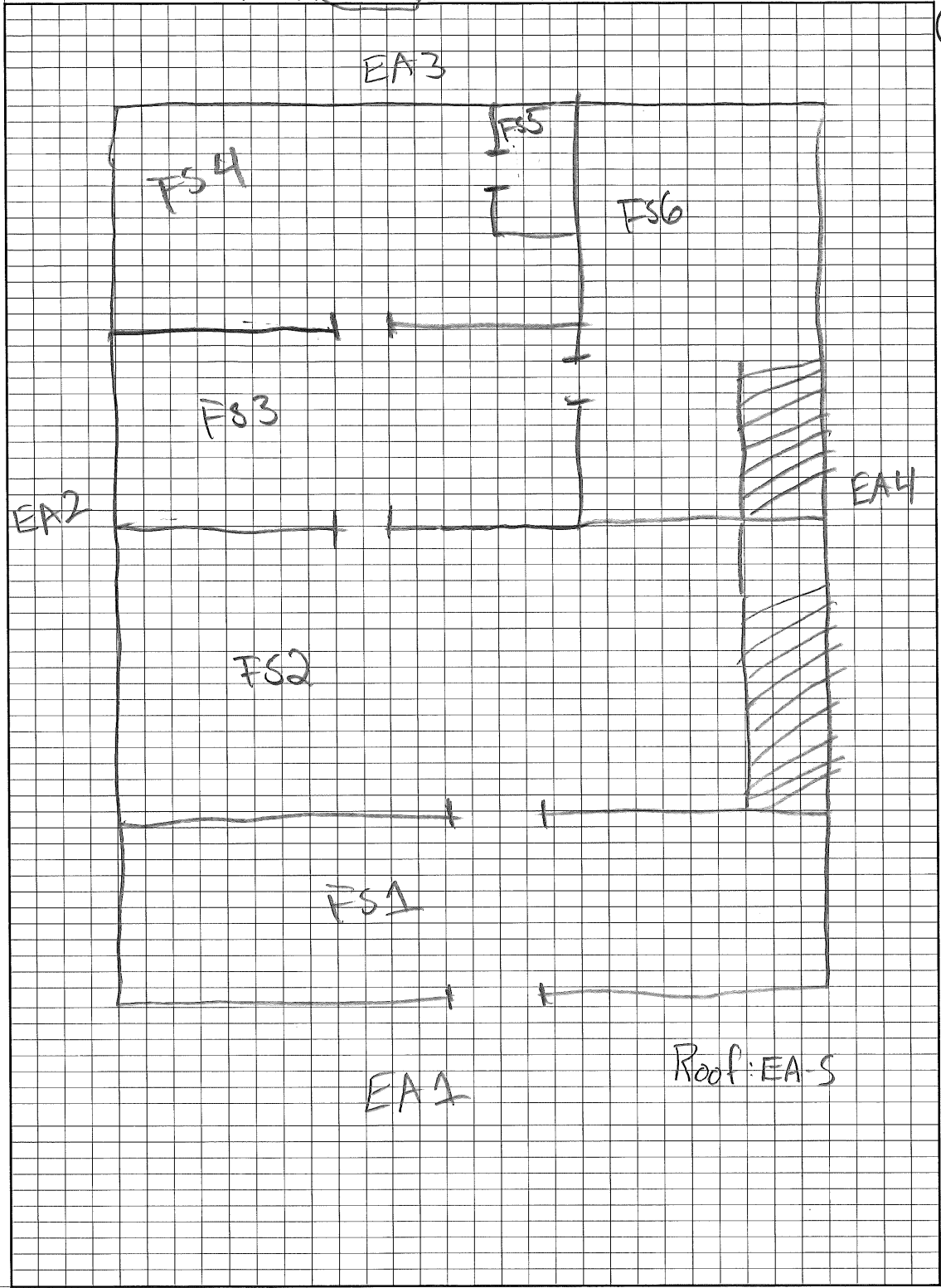
Circle: (Attic) (1st Floor) (2nd Floor) (Basement) (Garage)



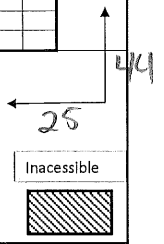
Street Address: 1413 N Edwards



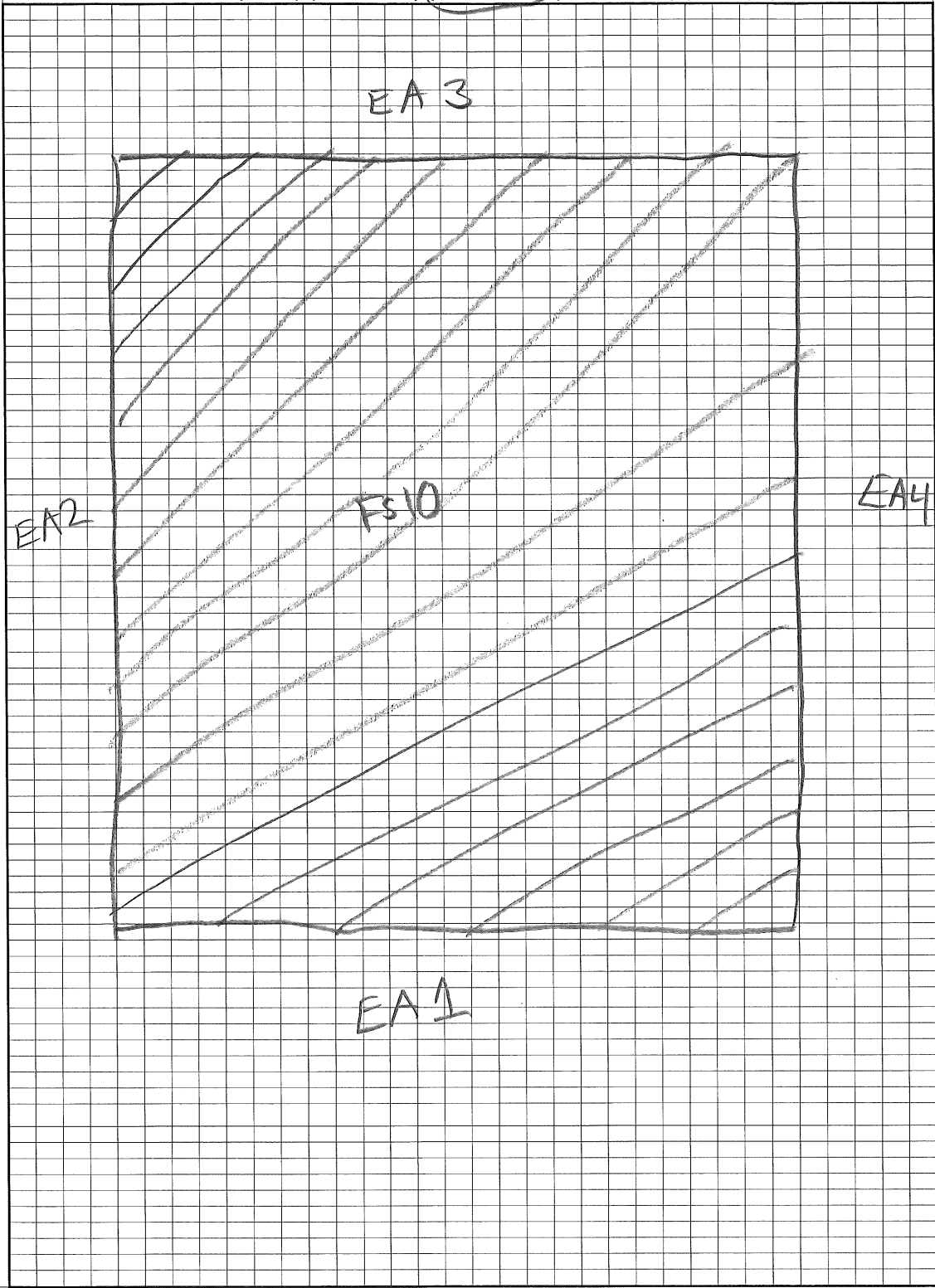
Circle: (Attic) (1st Floor) (2nd Floor) (Basement) (Garage)



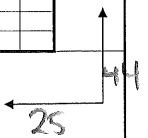
Street Address: 1413 N Edwards



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

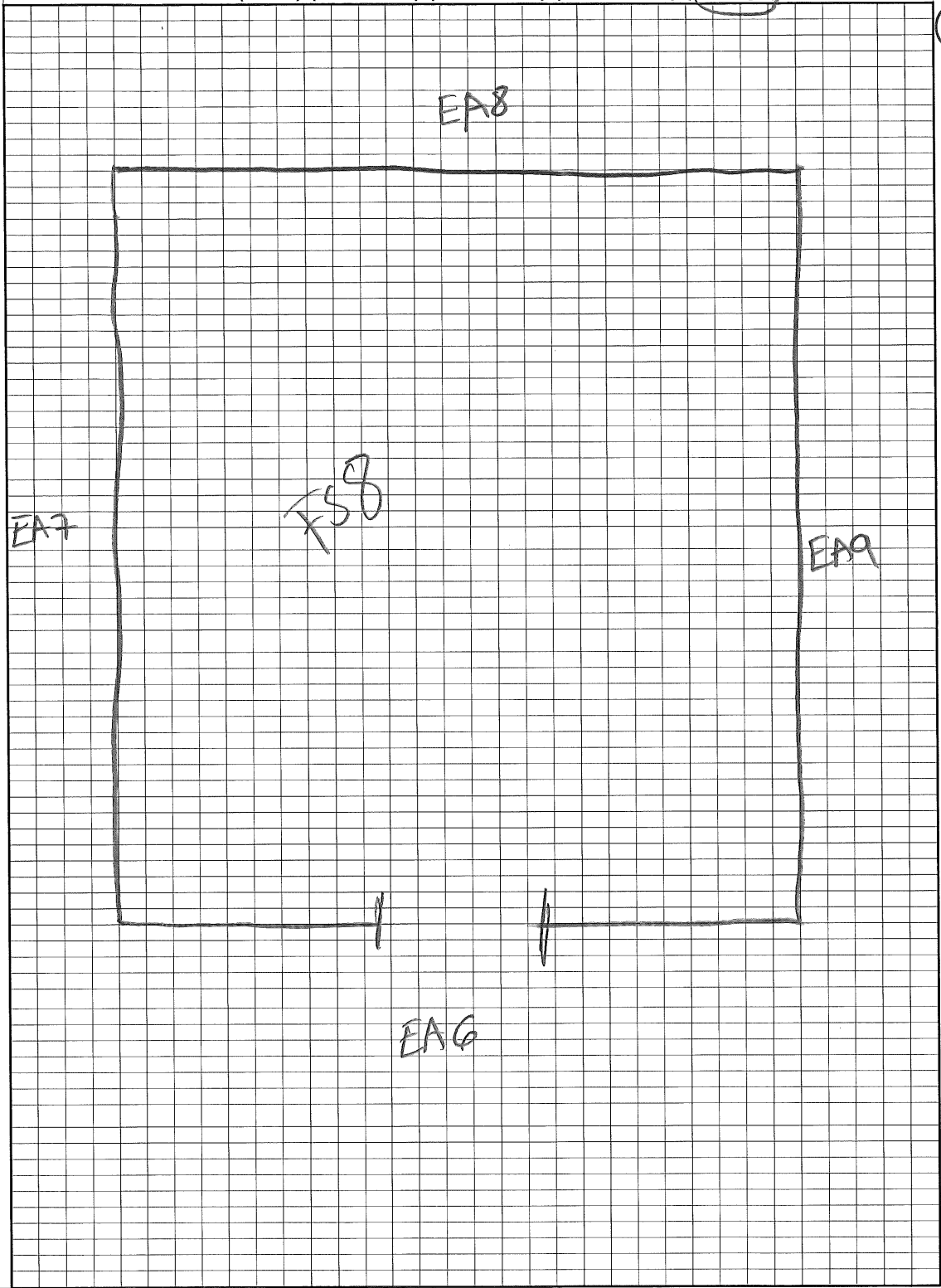


Street Address: 1413 N Edwards

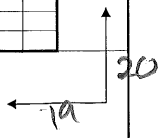


Inaccessible

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



Street Address: 1413 N Edwards



Inaccessible



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



| | |
|--|------------------------------------|
| Client Name: | City of Kalamazoo |
| Project Name: | Residential Garage Asbestos Survey |
| Project Number: | 188BS22726 |
| Project Site Address (Subject Property): | 130 Balch, Kalamazoo, MI |
| Date of Site Visit: | 11/23/2022 |
| Asbestos Inspection Performed by: | Andrew DeLodder (A48677) |
| Asbestos Inspector's Signature: | <i>Andrew DeLodder</i> |
| Areas Not Accessible: | All Areas Accessible |
| Number of Floors: | One |
| 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 pre-demolition asbestos and other regulated materials inspection of the subject residential 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 |
|------------|--------------------------|----------|----------|--------------------------------------|-----------------|
| 1-RM-A,B,C | Roofing Material- Debris | FS-1 | 450 SF | PLM 2% Chrysotile (Green Layer Only) | CAT I |

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- Debris | FS-1 | PLM 2% Chrysotile (Green Layer Only) |
| 2-CC-A,B,C | Concrete Chip- Poured Concrete Floor | FS-1 | ND |
| 3-EC-A,B,C | Exterior Caulk- White, Around Window Frame Trim | EA-2, 3, 4 | ND |
| 4-FBR-A,B,C | Fiberboard- Fiber Board with White Vinyl Cover Filling Window Voids | EA-2 | ND |
| 5-WG-A,B,C | Window Glaze- White, Multi-pane Wood Windows | EA-3, 4 | ND |
| 6-WG-A,B,C | Window Glaze- White, Window Glaze Replacement around Plastic Window | EA-2 | ND |

ND = No asbestos detected, NA = Not applicable, 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 |
|--|------------|----------------------|
| Batteries | FS-1 | 2 |
| Misc. Items (Glue, Solvents, Cleaners, Etc.) | FS-1 | 3 |
| Tires | EA-4, FS-1 | 3 |

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

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

| DESCRIPTION | DESIGNATION |
|-----------------------------------|-------------|
| Interior Functional Spaces | |
| Garage Interior | FS-1 |
| Exterior Areas | |
| Garage front | EA-1 |
| Garage left side | EA-2 |
| Garage rear | EA-3 |
| Garage right side | EA-4 |
| Garage roof | EA-5 |

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 (616) 698-3131.

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: 252709
Client Project: 188BS22726
Report Date: 11/30/2022

Attention: Robert Smith
Project Location: 130 Balch, Kalamazoo, MI

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1425650 | 1-RM-A | Asbestos | 11/30/2022 |
| 1425651 | 1-RM-B | Asbestos | 11/30/2022 |
| 1425652 | 1-RM-C | Asbestos | 11/30/2022 |
| 1425653 | 2-CC-A | Asbestos | 11/30/2022 |
| 1425654 | 2-CC-B | Asbestos | 11/30/2022 |
| 1425655 | 2-CC-C | Asbestos | 11/30/2022 |
| 1425656 | 3-EC-A | Asbestos | 11/30/2022 |
| 1425657 | 3-EC-B | Asbestos | 11/30/2022 |
| 1425658 | 3-EC-C | Asbestos | 11/30/2022 |
| 1425659 | 4-FBR-A | Asbestos | 11/30/2022 |
| 1425660 | 4-FBR-B | Asbestos | 11/30/2022 |
| 1425661 | 4-FBR-C | Asbestos | 11/30/2022 |
| 1425662 | 5-WG-A | Asbestos | 11/30/2022 |
| 1425663 | 5-WG-B | Asbestos | 11/30/2022 |
| 1425664 | 5-WG-C | Asbestos | 11/30/2022 |
| 1425665 | 6-WG-A | Asbestos | 11/30/2022 |

This report is intended for use solely by the individual or entity to which it is addressed. This report may not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. It may contain information that is privileged, confidential and otherwise exempt by law from disclosure. If the reader of this information is not the intended recipient or an employee of its intended recipient, you are herewith notified that any dissemination, distribution or copying of this information is strictly prohibited. If you have received this information in error, please notify ETL immediately. Thank you.

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1425666 | 6-WG-B | Asbestos | 11/30/2022 |
| 1425667 | 6-WG-C | Asbestos | 11/30/2022 |

Reviewed by: *Emily Nowacki*
Emily Nowacki

| <u>Summary</u> | | | |
|----------------|--------|-------|--------|
| Method | Sample | Layer | Mastic |
| PLM | 19 | | |



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 : 252709
Client Project : 188BS22726
Date Collected : 11/23/2022
Date Received : 11/28/2022

Location :
130 Balch, Kalamazoo, MI

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|-------------------|------------------------------------|------------------|---------------|-------------------|
| 1425650 1-RM-A | Roofing Materials | Green Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 95% Other | PLM 2% Chrysotile |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425650 1-RM-A | Roofing Materials | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425651 1-RM-B | | Positive Stop | | | |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 11/30/2022 Layer Not Analyzed | | | | | |
| 1425651 1-RM-B | Roofing Materials | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425652 1-RM-C | | Positive Stop | | | |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 11/30/2022 Layer Not Analyzed | | | | | |
| 1425652 1-RM-C | Roofing Materials | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |

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Certificate of Analysis

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(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 : 252709
Client Project : 188BS22726
Date Collected : 11/23/2022
Date Received : 11/28/2022

Location :
130 Balch, Kalamazoo, MI

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|----------------|------------------------------------|------------------|---------------|-------------------|
| 1425653 2-CC-A | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425654 2-CC-B | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425655 2-CC-C | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425656 3-EC-A | Exterior Caulk | White Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425657 3-EC-B | Exterior Caulk | White Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425658 3-EC-C | Exterior Caulk | White Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |

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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 : 252709
Client Project : 188BS22726
Date Collected : 11/23/2022
Date Received : 11/28/2022

Location :
130 Balch, Kalamazoo, MI

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|--------------|------------------------------------|-------------------|---------------|-------------------|
| 1425659 4-FBR-A | Fiberboard | White Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425660 4-FBR-B | Fiberboard | White Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425661 4-FBR-C | Fiberboard | White Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425662 5-WG-A | Window Glaze | White Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425663 5-WG-B | Window Glaze | White Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425664 5-WG-C | Window Glaze | White Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |

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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 : 252709
Client Project : 188BS22726
Date Collected : 11/23/2022
Date Received : 11/28/2022

Location :
130 Balch, Kalamazoo, MI

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|--------------|------------------------------------|------------------|---------------|-------------------|
| 1425665 6-WG-A | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425666 6-WG-B | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425667 6-WG-C | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |

Lab Supervisor/Other Signatory

Analyst:

Dave Cousino

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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ENVIRONMENTAL TESTING LABORATORIES, INC
 38900 HURON RIVER DRIVE
 ROMULUS, MICHIGAN 48174
 (734) 955-6600
 FAX: (734) 992-2261
 www.2ell.com

Bulk Asbestos
 Chain of Custody

ETL Project #: 252709

| | | |
|---|--|---|
| Client: ATC Group Services | Contact: Rob Smith Phone: 248-669-5140 | Project Location/Name: 130 BALCH, KALAMAZOO, MI |
| Address: 46555 Humboldt Dr. Ste. 100 Novi, MI 48377 | Fax: 248-689-5147 E-mail: robert.smith@atcgroup.com | Client Project #: 1008522726 |
| Please Provide Results: <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other | | Date Sampled: 11.23.22 |

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 EPA600/9-93/116, 1993 (Standard method) | <input checked="" type="checkbox"/> Stop at 1st Positive - Clearly mark Homogeneous Group |
| Point Counting: <input type="checkbox"/> 400 Points* <input type="checkbox"/> NYSDOH ELAP 198.1, 2002* | |
| <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 |
|----------|-------------------|--|-----------------|-----------|
| 14251650 | 1-RR-ABC 651, 652 | Roofing material - debris | FS-1 | 450 SF |
| 653, 654 | 2-CC-ABC 655 | Concrete chip - poured concrete floor | FS-1 | 340 SF |
| 656, 657 | 3-EC-ABC 658 | Exterior caulk - white, around window frame trim | EA-2,3,4 | 20 LF |
| 659, 660 | 4-FR-ABC 661 | Fiberboard - fiber board with white vinyl covering window voids | EA-2 | 20 SF |
| 662, 663 | 5-WG-ABC 664 | Window glaze - white, multiple wood windows | EA-3,4 | 3 windows |
| 665, 666 | 6-WG-ABC 667 | Window glaze - white, window glaze replacement around plastic window | EA-2 | 1 window |

| | Date | Time |
|---|----------|----------|
| Relinquished (Name/Organization): Andrew DeLozier / Atlas Technical Consultants | 11/23/22 | 11:00 AM |
| Received (Name/ETL): Roxana Separtita | 11-28-22 | 10:00 AM |
| Sample Logon (Name/ETL): Roxana Separtita | 11-28-22 | 10:30 AM |
| Stoppage/Partial Analysis (Name/ETL): David Gaudino | 11/30/22 | 7:00 AM |
| Results (Name/ETL): David Gaudino | 11/30/22 | 7:00 AM |
| QA/QC Review (Name/ETL): Roxana Separtita | 11-25-22 | 9:30 AM |

| | |
|--|---------|
| 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 SAMPLER TO BE SHIPPED OR DROPPED OFF

ATTACHMENT B
PHOTOGRAPHS

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
130 BALCH
KALAMAZOO, MI 49007



Street view of the garage (EA-1)

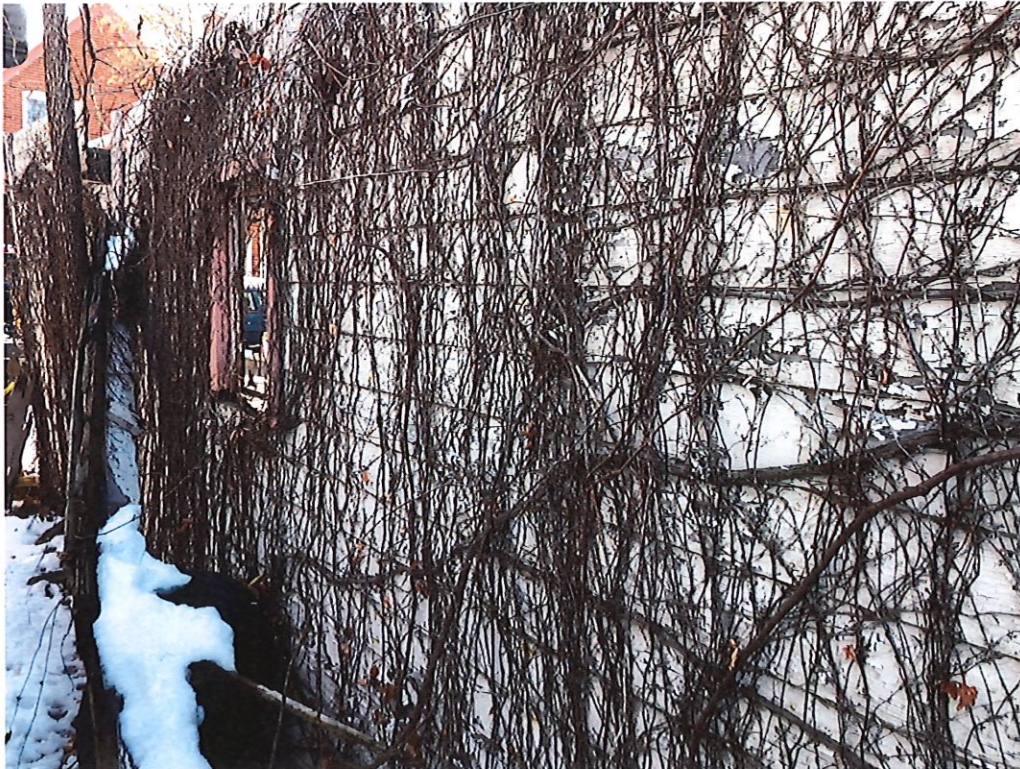


View of the left side of the garage (EA-2)

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
130 BALCH
KALAMAZOO, MI 49007



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



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

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
130 BALCH
KALAMAZOO, MI 49007

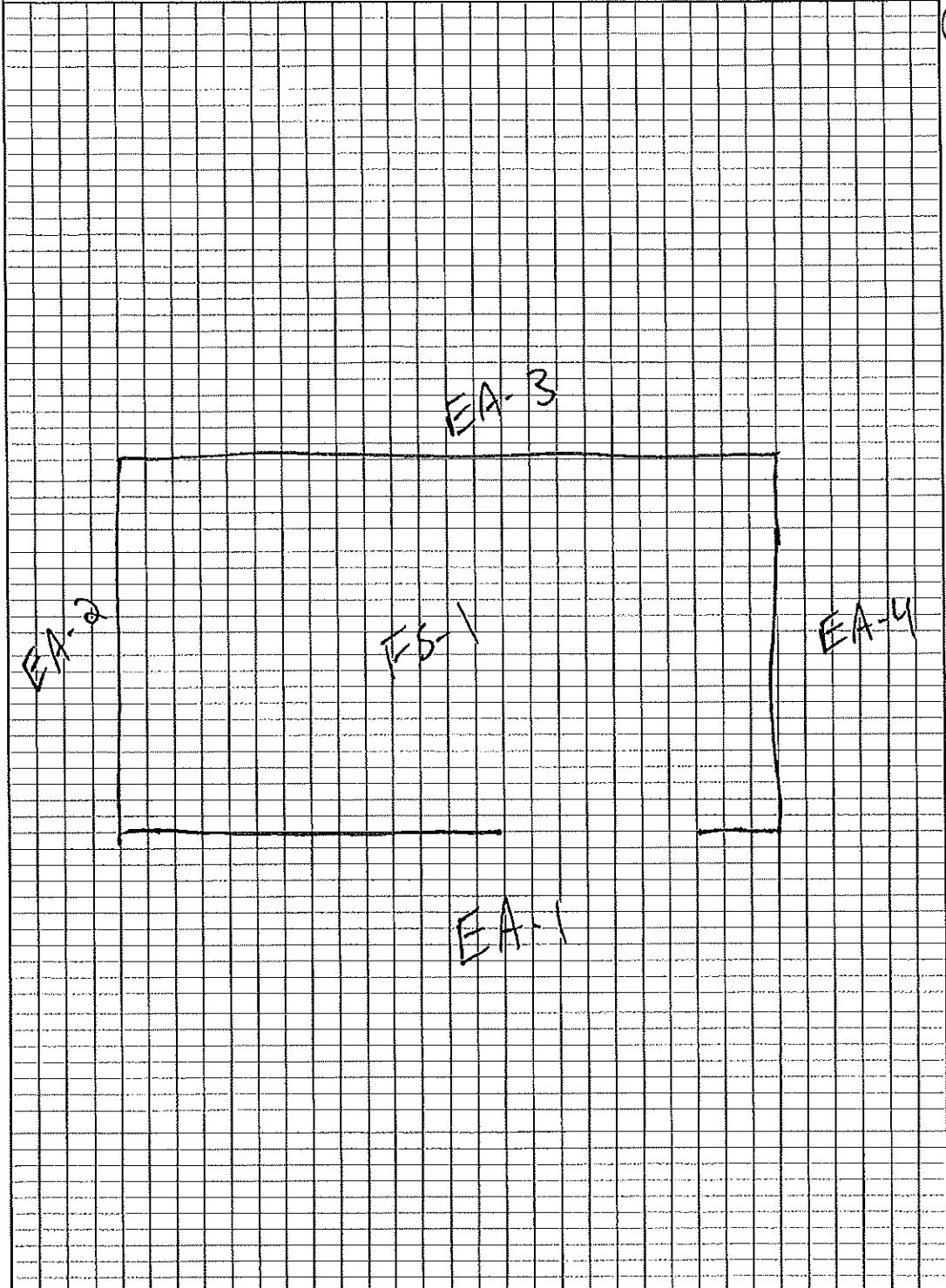


View of FS-1

ATTACHMENT C

SITE MAPS

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



Street Address: 130 Balch St

25

18

Inaccessible





| | |
|--|------------------------------------|
| Client Name: | City of Kalamazoo |
| Project Name: | Residential Garage Asbestos Survey |
| Project Number: | 188BS22726 |
| Project Site Address (Subject Property): | 1016 Denner, Kalamazoo, MI |
| Date of Site Visit: | 11/23/2022 |
| Asbestos Inspection Performed by: | Andrew DeLodder (A48677) |
| Asbestos Inspector's Signature: | <i>Andrew DeLodder</i> |
| Areas Not Accessible: | All Areas Accessible |
| Number of Floors: | One |
| 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 pre-demolition asbestos and other regulated materials inspection of the subject residential 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 |
|------------|--|----------|-------------------------|-------------------|-----------------|
| 4-WG-A,B,C | Window Glaze- White, On Wood Multipane Windows | EA- 3,4 | ³ WINDOWS | 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 | LOCATION | RESULT |
|------------|--|------------|-------------------|
| 1-RM-A,B,C | Roofing Materials- Garage Roof | EA-5 | ND |
| 2-CC-A,B,C | Concrete Chip- Garage Foundation | EA-1,2,3,4 | ND |
| 3-EC-A,B,C | Exterior Caulk- White, Around Window Frame | EA-4 | ND |
| 4-WG-A,B,C | Window Glaze- White, On Wood Multipane Windows | EA- 3,4 | PLM 3% Chrysotile |
| 5-WG-A,B,C | Window Glaze- Replacement, Soft, White, On Wood Multipane Windows | EA- 3,4 | ND |

ND = No asbestos detected, NA = Not applicable, 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-1 | 1 |
| Automobile, Lawn Mowers, Snow Blowers | FS-1 | 5 |
| Misc. Items (Glue, Solvents, Cleaners, Etc.) | FS-1 | 11 |
| Paint Cans | FS-1 | 6 |

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

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

| DESCRIPTION | DESIGNATION |
|-----------------------------------|--------------------|
| Interior Functional Spaces | |
| Garage Interior | FS-1 |
| Exterior Areas | |
| Garage front | EA-1 |
| Garage left side | EA-2 |
| Garage rear | EA-3 |
| Garage right side | EA-4 |
| Garage roof | EA-5 |

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 (616) 698-3131.

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: 252707
Client Project: 188BS22726
Report Date: 11/30/2022

Attention: Robert Smith
Project Location: ~~1610~~ Denner, Kalamazoo, MI
⁴⁶ 1016

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1425623 | 1-RM-A | Asbestos | 11/30/2022 |
| 1425624 | 1-RM-B | Asbestos | 11/30/2022 |
| 1425625 | 1-RM-C | Asbestos | 11/30/2022 |
| 1425626 | 2-CC-A | Asbestos | 11/30/2022 |
| 1425627 | 2-CC-B | Asbestos | 11/30/2022 |
| 1425628 | 2-CC-C | Asbestos | 11/30/2022 |
| 1425629 | 3-EC-A | Asbestos | 11/30/2022 |
| 1425630 | 3-EC-B | Asbestos | 11/30/2022 |
| 1425631 | 3-EC-C | Asbestos | 11/30/2022 |
| 1425632 | 4-WG-A | Asbestos | 11/30/2022 |
| 1425633 | 4-WG-B | Asbestos | 11/30/2022 |
| 1425634 | 4-WG-C | Asbestos | 11/30/2022 |
| 1425635 | 5-WG-A | Asbestos | 11/30/2022 |
| 1425636 | 5-WG-B | Asbestos | 11/30/2022 |
| 1425637 | 5-WG-C | Asbestos | 11/30/2022 |

Reviewed by:

Emily Nowacki

Emily Nowacki

Summary

| Method | Sample | Layer | Mastic |
|--------|--------|-------|--------|
| PLM | 16 | | |



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 : 252707
Client Project : 188BS22726
Date Collected : 11/23/2022
Date Received : 11/28/2022

Location : 1016 ac
1610 Denner, Kalamazoo, MI

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|-------------------|------------------------------------|------------------|---------------|-------------------|
| 1425623 1-RM-A | Roofing Materials | Green Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425623 1-RM-A | Roofing Materials | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425624 1-RM-B | Roofing Materials | Green Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425624 1-RM-B | Roofing Materials | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425625 1-RM-C | Roofing Materials | Green Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425625 1-RM-C | Roofing Materials | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |

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.



NVLAP LAB CODE 201024-0

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 : 252707

Client Project : 188BS22726

Date Collected : 11/23/2022

Date Received : 11/28/2022

Location : ~~1016~~
1010 Denner, Kalamazoo, MI

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|----------------|------------------------------------|------------------|---------------|-------------------|
| 1425626 2-CC-A | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425627 2-CC-B | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425628 2-CC-C | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425629 3-EC-A | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425630 3-EC-B | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425631 3-EC-C | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |

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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 : 252707
 Client Project : 188BS22726
 Date Collected : 11/23/2022
 Date Received : 11/28/2022

Location : 106
 1610 Denner, Kalamazoo, MI

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|--------------|------------------------------------|------------------|---------------|-------------------|
| 1425632 4-WG-A | Window Glaze | White Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 94% Other | PLM 3% Chrysotile |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425633 4-WG-B | | Positive Stop | | | |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 Layer Not Analyzed | | | | | |
| 1425634 4-WG-C | | Positive Stop | | | |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 Layer Not Analyzed | | | | | |
| 1425635 5-WG-A | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425636 5-WG-B | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |
| 1425637 5-WG-C | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Dave Cousino Date Analyzed : 11/30/2022 | | | | | |

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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 : 252707
Client Project : 188BS22726
Date Collected : 11/23/2022
Date Received : 11/28/2022

Location :

1016 1610 Denner, Kalamazoo, MI

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--------|-------------|------------|-----------|---------------|------------|
|--------|-------------|------------|-----------|---------------|------------|

Elm Kibini

Lab Supervisor/Other Signatory

Analyst:

Dave Cousino

Dave Cousino

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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ENVIRONMENTAL TESTING LABORATORIES, INC
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 FAX: (734) 992-2261
 www.2el.com

Bulk Asbestos
 Chain of Custody

ETL Project # **252707**

| | | |
|---|---|--|
| Client: ATC Group Services | Contact: Rob Smith Phone: 248-669-5140 | Project Location/name: 1016 1870 DENNER, KALAMAZOO, MI |
| Address: 46555 Humboldt Dr. Ste. 100 Novi, MI 48377 | Fax: 248-669-5147 E-mail: rob.smith@atcg.com | Client Project #: 100522720 |
| Please Provide Results: <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other | | Date Sampled: 11.23.22 |

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 EPA500/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 |
|-----------------|--------------------------|--|-----------------|-----------|
| 14250623 | 1-RM-ABC 624, 625 | Roofing materials - garage roof | EA-5 | 650 SF |
| 626, 627 | 2-CC-ABC 628 | Concrete chip - garage foundation | EA-1,2,3,4 | 95 SF |
| 629, 630 | 3-EC-ABC 631 | Exterior caulk - white, around window frame | EA-4 | 15 LF |
| 632, 633 | 4-WG-ABC 634 | Window glaze - white, on wood multipane windows | EA-3,4 | 3 windows |
| 635, 636 | 5-WG-ABC 637 | Window glaze - replacement, soft, white, on wood multipane windows | EA-3,4 | 3 windows |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| | | Date | Time |
|---|---|----------|----------|
| Relinquished (Name/Organization) | Andrew Eckloder / Atlas Technical Consultants | 11.23.22 | 12:00 PM |
| Received (Name/ETL) | Roxana Separeta | 11-28-22 | 10:00 am |
| Sample Logn (Name/ETL) | Roxana Separeta | 11-28-22 | 10:00 am |
| Stereostical/Sample Analysis (Name/ETL) | David Cousins | 11/30/22 | 6:00 am |
| Results (Name/ETL) | David Cousins | 11/30/22 | 6:00 am |
| QA/QC Review (Name/ETL) | Roxana Separeta | 11-30-22 | 10:00 am |

| | |
|--|---------|
| Special Instructions - 1st Positive Stop. • Composite all drywall/joint compound/mud 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
1016 DENNER
KALAMAZOO, MI 49007



Street view of the garage (EA-1)



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

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1016 DENNER
KALAMAZOO, MI 49007



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



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

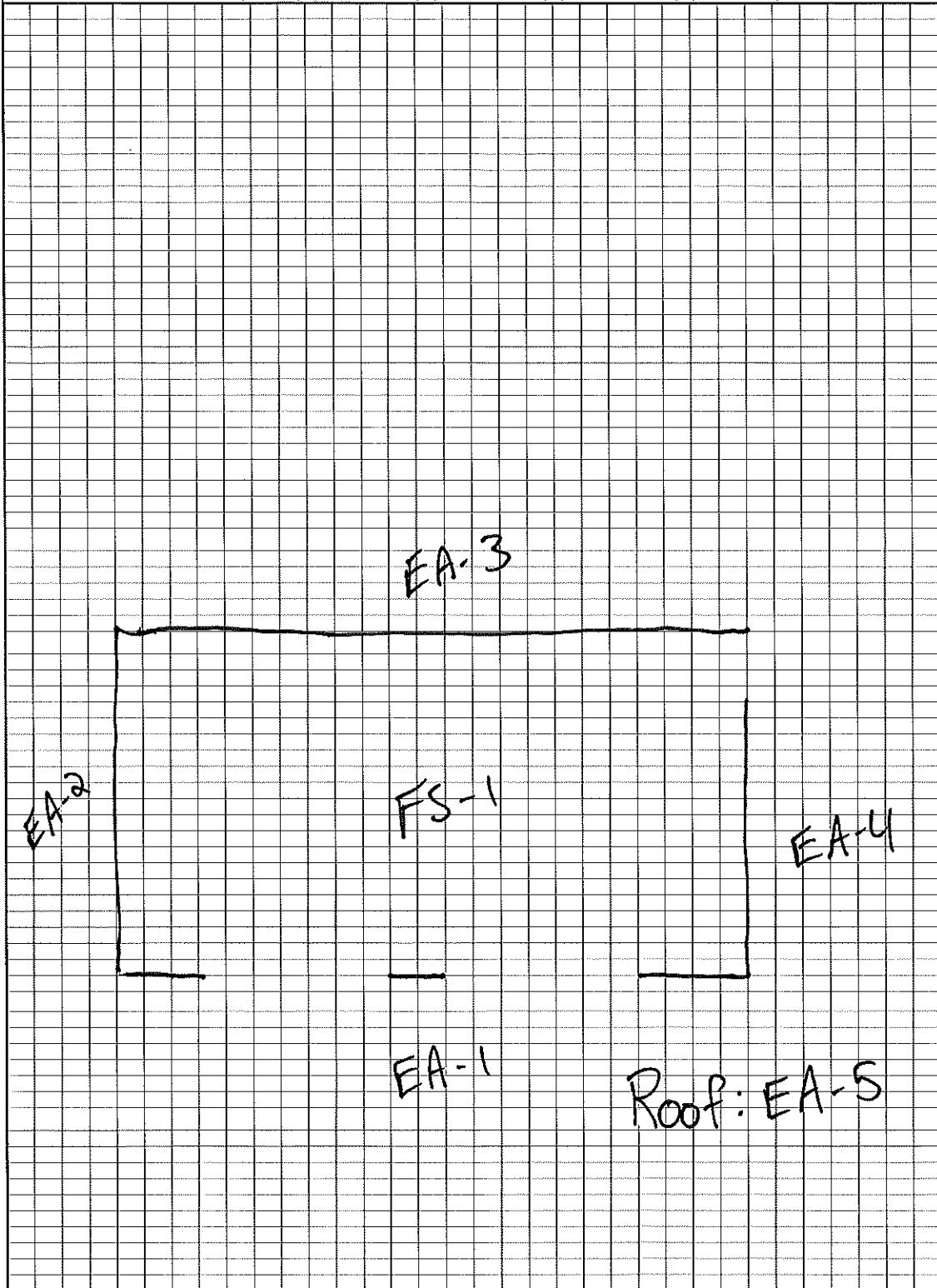
ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
1016 DENNER
KALAMAZOO, MI 49007



View of EA-5

ATTACHMENT C
SITE MAPS

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

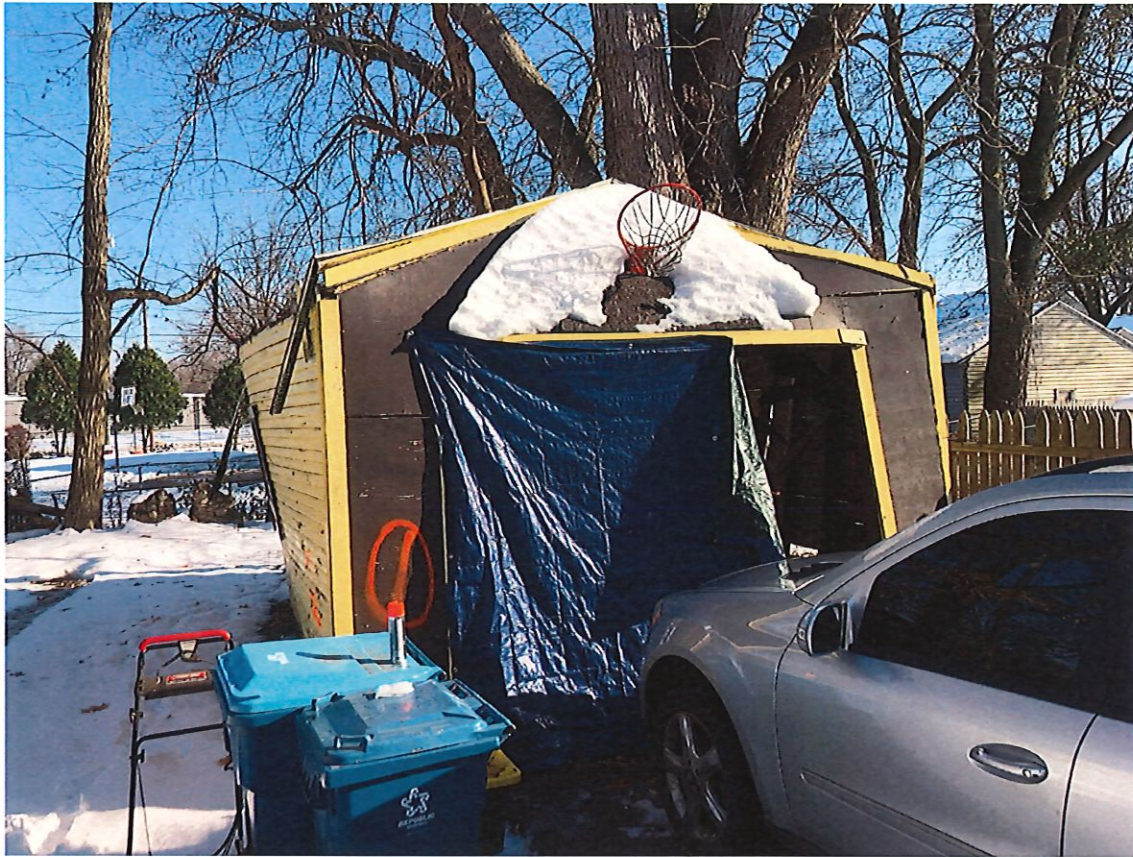


Street Address: 1016 Derner St





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



| | |
|--|------------------------------------|
| Client Name: | City of Kalamazoo |
| Project Name: | Residential Garage Asbestos Survey |
| Project Number: | 188BS22726 |
| Project Site Address (Subject Property): | 832 Staples, Kalamazoo, MI |
| Date of Site Visit: | 11/23/2022 |
| Asbestos Inspection Performed by: | Andrew DeLodder (A48677) |
| Asbestos Inspector's Signature: | <i>Andrew DeLodder</i> |
| Areas Not Accessible: | Interior of Garage, Collapsed Roof |
| Number of Floors: | One |
| Asbestos Present (Yes/No/Other): | No |

On the date indicated above, State of Michigan Asbestos Inspector, Andrew DeLodder (A48677) from Atlas Technical Consultants, conducted a pre-demolition asbestos and other regulated materials inspection of the subject residential 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 |
|-----------------------|----------|----------|----------|--------|-----------------|
| None Contain Asbestos | | | | | |

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- Garage Roof, Debris | FS-1 | ND |
| 2-EC-A,B,C | Exterior Caulk- White, Around Window Void Filler | EA-2 | ND |
| 3-EC-A,B,C | Exterior Caulk- White, Between the Panels of the Wood Siding | EA-1,2, 3,4 | ND |
| 4-CC-A,B,C | Concrete Chip- Poured Concrete Floor | FS-1 | ND |

ND = No asbestos detected, NA = Not applicable, 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 |
|--|----------|----------------------|
| Automobile, Lawn Mower, Snow Blower | FS-1 | 1 |
| Misc. Items (Glue, Solvents, Cleaners, Etc.) | FS-1 | 4 |
| Paint Cans | FS-1 | 2 |
| Tires | FS-1 | 4 |

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

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

| DESCRIPTION | DESIGNATION |
|-----------------------------------|-------------|
| Interior Functional Spaces | |
| Garage Interior | FS-1 |
| Exterior Areas | |
| Garage front | EA-1 |
| Garage left side | EA-2 |
| Garage rear | EA-3 |
| Garage right side | EA-4 |
| Garage roof | EA-5 |

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 (616) 698-3131.

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: 252705
Client Project: 188BS22726
Report Date: 11/29/2022

Attention: Robert Smith
Project Location: 832 Staples, Kalamazoo, MI

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1425605 | 1-RM-A | Asbestos | 11/29/2022 |
| 1425606 | 1-RM-B | Asbestos | 11/29/2022 |
| 1425607 | 1-RM-C | Asbestos | 11/29/2022 |
| 1425608 | 2-EC-A | Asbestos | 11/29/2022 |
| 1425609 | 2-EC-B | Asbestos | 11/29/2022 |
| 1425610 | 2-EC-C | Asbestos | 11/29/2022 |
| 1425611 | 3-EC-A | Asbestos | 11/29/2022 |
| 1425612 | 3-EC-B | Asbestos | 11/29/2022 |
| 1425613 | 3-EC-C | Asbestos | 11/29/2022 |
| 1425614 | 4-CC-A | Asbestos | 11/29/2022 |
| 1425615 | 4-CC-B | Asbestos | 11/29/2022 |
| 1425616 | 4-CC-C | Asbestos | 11/29/2022 |

Reviewed by:



Emily Nowacki

Summary

| Method | Sample | Layer | Mastic |
|--------|--------|-------|--------|
| PLM | 18 | | |



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 : 252705
 Client Project : 188BS22726
 Date Collected : 11/23/2022
 Date Received : 11/28/2022

Location :
 832 Staples, Kalamazoo, MI

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|------------------|------------------------------------|-------------------|---------------|-------------------|
| 1425605 1-RM-A | Roofing Material | Green Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425605 1-RM-A | Roofing Material | Black Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-2 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425605 1-RM-A | Roofing Material | Black Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-3 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425606 1-RM-B | Roofing Material | Green Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425606 1-RM-B | Roofing Material | Black Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-2 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425606 1-RM-B | Roofing Material | Black Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-3 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |

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 : 252705
Client Project : 188BS22726
Date Collected : 11/23/2022
Date Received : 11/28/2022

Location :
832 Staples, Kalamazoo, MI

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|------------------|------------------------------------|-------------------|---------------|-------------------|
| 1425607 1-RM-C | Roofing Material | Green Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425607 1-RM-C | Roofing Material | Black Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-2 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425607 1-RM-C | Roofing Material | Black Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-3 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425608 2-EC-A | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425609 2-EC-B | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425610 2-EC-C | Exterior Caulk | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 252705
Client Project : 188BS22726
Date Collected : 11/23/2022
Date Received : 11/28/2022

Location :
832 Staples, Kalamazoo, MI

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|----------------|------------------------------------|------------------|---------------|-------------------|
| 1425611 3-EC-A | Exterior Caulk | White Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425612 3-EC-B | Exterior Caulk | White Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425613 3-EC-C | Exterior Caulk | White Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425614 4-CC-A | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425615 4-CC-B | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |
| 1425616 4-CC-C | Concrete Chip | Gray Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Dawson Bradley Date Analyzed : 11/29/2022 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 252705
Client Project : 188BS22726
Date Collected : 11/23/2022
Date Received : 11/28/2022

Location :
832 Staples, Kalamazoo, MI

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--------|-------------|------------|-----------|---------------|------------|
|--------|-------------|------------|-----------|---------------|------------|

Lab Supervisor/Other Signatory

Analyst:

Dawson Bradley

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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ENVIRONMENTAL TESTING LABORATORIES, INC
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 ROMULUS, MICHIGAN 48174
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 FAX: (734) 992-2261
 www.2ell.com

Bulk Asbestos
 Chain of Custody

ETL Project #: 252705

| | | |
|---|---|---|
| Client: ATC Group Services | Contact: Rob Smith Phone: 248-669-5140 | Project Location/name: 892 STAPLEW, KALAMAZOO, MI |
| Address: 46555 Humboldt Dr. Ste. 100 Novi, MI 48377 | Fax: 248-669-5147 E-mail: rob.smith@atcgroup.com | Client Project #: 1002522726 |
| Please Provide Results: <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other | | Date Sampled: 11.23.22 |

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 - <i>Closely mark Homogeneous Group</i> |
| Point Counting: <input type="checkbox"/> 400 Points* <input type="checkbox"/> NYSDOH ELAP 198.1, 2002* | |
| <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

1475

| Lab ID | Sample ID | Material Description | Sample Location | QUANTITY |
|-------------|------------|---|-----------------|----------|
| 609 606 607 | 1-RV-A,B,C | Roofing material - garage roof, debris | FS-1 | 500 SF |
| 609 609 610 | 2-EC-A,B,C | Exterior caulk - white, around the window void filler | EA-2 | 20 LF |
| 611 612 613 | 3-EC-A,B,C | Exterior caulk - white, between the panels of the wood siding | EA-1,2,3,4 | 60 LF |
| 614 615 616 | 4-CC-A,B,C | Concrete chip - poured concrete floor | FS-1 | 500 SF |
| | | | | |
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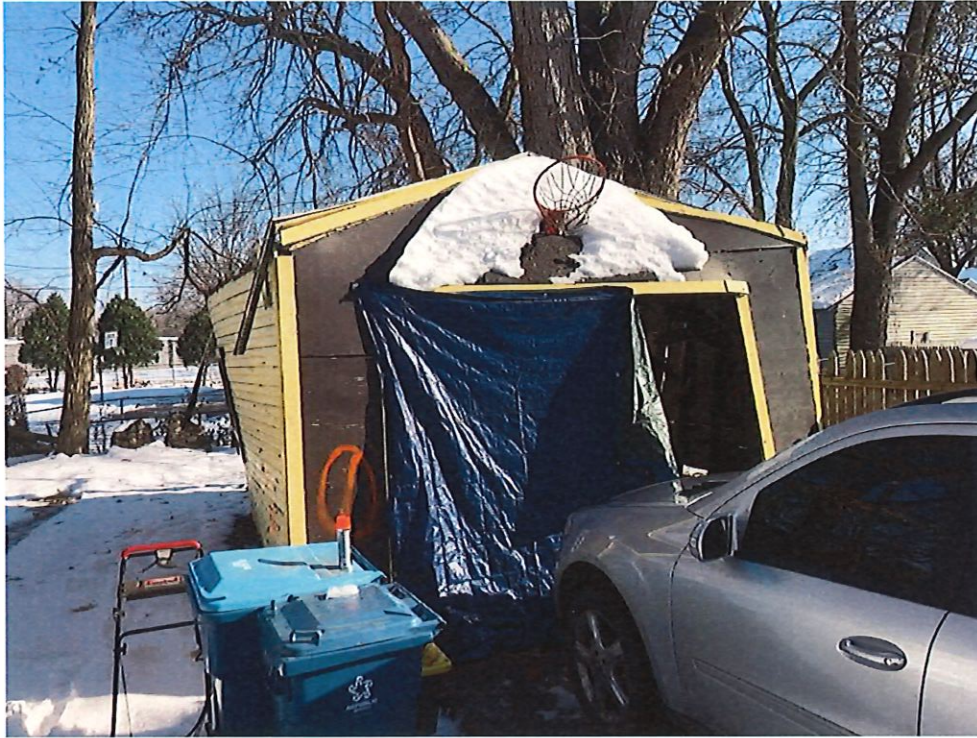
| | | Date | Time |
|---|---|----------|----------|
| Revised (Name/Organization) | Andrew DeLodder / ACO Technical Consultants | 11.23.22 | 12:50 PM |
| Received (Name/ETL) | <i>[Signature]</i> | 11.28.22 | 10:00 AM |
| Sample Login (Name/ETL) | <i>[Signature]</i> | 11.28.22 | 10:00 AM |
| Stereoscopic Sample Analysis (Name/ETL) | <i>[Signature]</i> | 11.29.22 | 2:42 PM |
| Results (Name/ETL) | <i>[Signature]</i> | 11.29.22 | 2:42 PM |
| QA/QC Review (Name/ETL) | Rosemarie Sepulveda | 11.29.22 | 3:00 PM |

| | |
|---|---------|
| Special Instructions: 1st Positive Stop; Composite all drywall/joint compound/mud samples if any layer of system is GREATER than 1% asbestos; Point Count ALL PLASTER samples Trace to 1% asbestos content; Point Count ALL SAMPLES Trace to 1% asbestos content | Remarks |
|---|---------|

**IN ORDER TO INCURE 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
832 STAPLES
KALAMAZOO, MI 49007



Street view of the garage (EA-1)

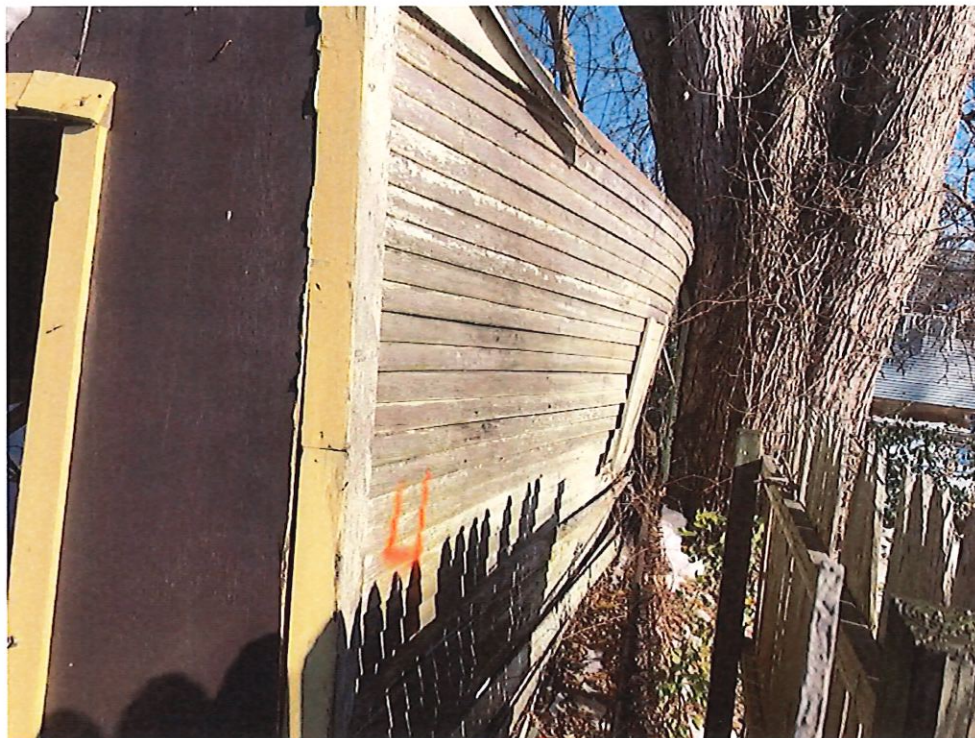


View of the left side of the garage (EA-2)

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
832 STAPLES
KALAMAZOO, MI 49007



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



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

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT RESIDENTIAL PROPERTY
832 STAPLES
KALAMAZOO, MI 49007

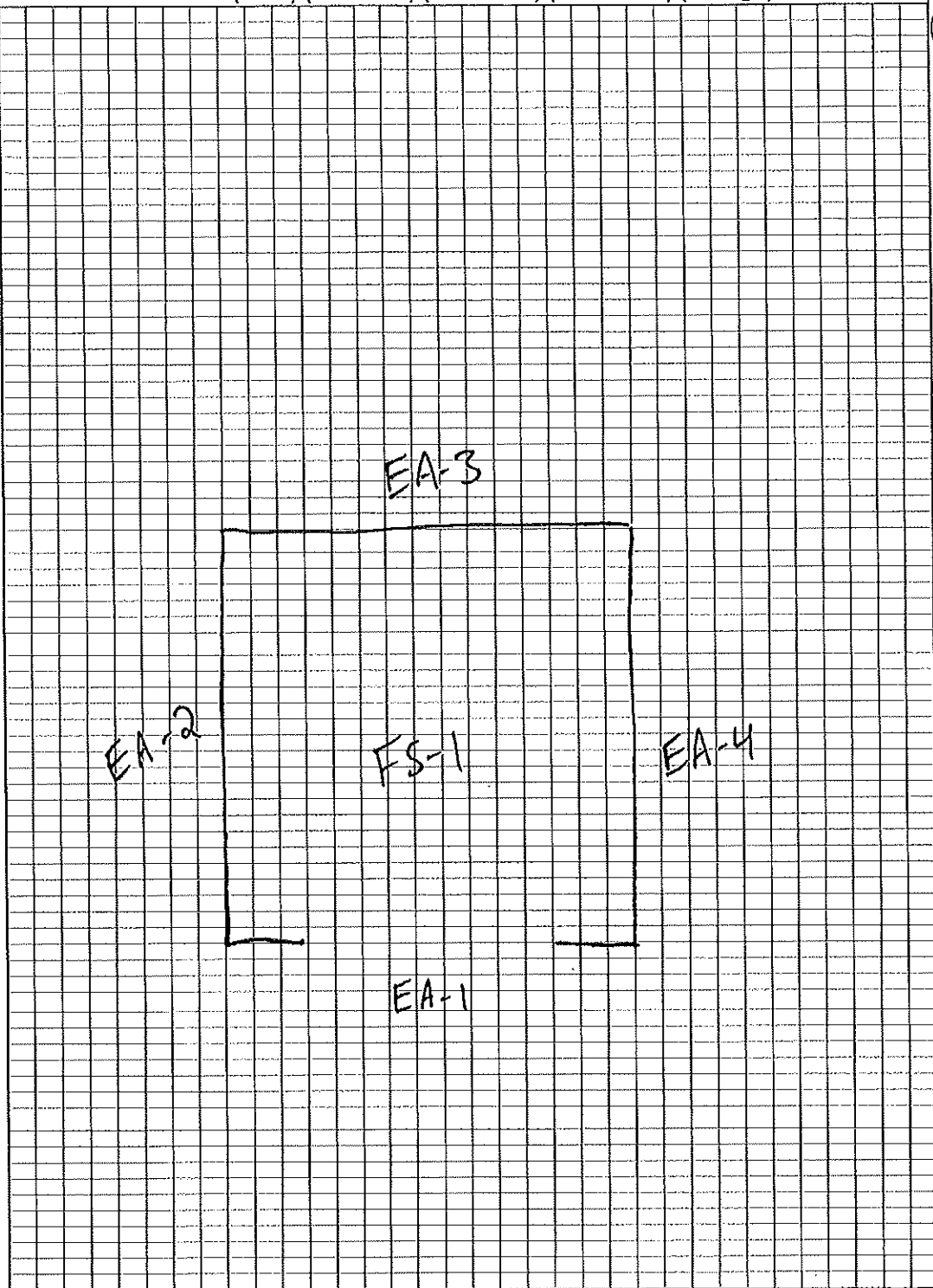


View of FS-1

ATTACHMENT C

SITE MAPS

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



Street Address: 832 Staples

20
25

Inaccessible

