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|--|--|
| Client Name: | City of Kalamazoo |
| Project Name: | Commercial Building Asbestos Survey |
| Project Number: | 188bs23004 |
| Project Site Address (Subject Property): | 328 E Stockbridge, Kalamazoo, MI 49001 |
| Date of Site Visit: | January 11, 2023 |
| Asbestos Inspection Performed by: | Andrew DeLodder (A48677) |
| Asbestos Inspector's Signature: | <i>Andrew DeLodder</i> |
| Areas Not Accessible: | All Areas Accessible |
| Number of Floors: | 2 + Roof |
| 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 commercial property.

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

TABLE I
Asbestos-Containing Materials

| ID# | MATERIAL | LOCATION | QUANTITY | RESULT | NESHAP CATEGORY |
|-------------------|--|---------------------------|-----------|-------------------------------------|-----------------|
| 12-IC-A,B,C | Interior Caulk- Beige, Brittle, on Glazed Brick | FS- 1,2, 15 | 120 SF | PLM 3% Chrysotile | Cat II |
| 15-IC-A,B,C | Interior Caulk-Beige & Brittle, Between Steel Door Frame and CMU Block | FS- 2, 5 | 30 SF | PLM 2% Chrysotile | Cat II |
| 36-FT-A,B,C | Floor Tile- 9" Pink with Faint Gray Streaks, and Mastic | FS- 2 | 7,585 SF | PLM 4% Chrysotile (Floor Tile Only) | Cat I |
| 37-FT-A,B,C | Floor Tile- 9" Green with Faint Gray Streaks, and Mastic | FS- 2 | 7,585 SF | PLM 3% Chrysotile (Floor Tile Only) | Cat I |
| 38-FT-A,B,C | Floor Tile- 9" Off-White with Faint Gray Streaks, and Mastic | FS- 2,6,7 | 8,035 SF | PLM 4% Chrysotile (Floor Tile Only) | Cat I |
| 39-FT-A,B,C | Floor Tile- 9" Gray with Faint Gray Streaks, and Mastic | FS- 5 | 20 SF | PLM 3% Chrysotile (Floor Tile Only) | Cat I |
| 48-HS-A,B,C | Heat Shield- White, Between Panels on HVAC Fan | FS-1 | 2 SF | PLM 80% Chrysotile | RACM |
| 50-EJ-A,B,C | Expansion Joint- CMU Block | EA- 1,3 | 300 LF | PLM 3% Chrysotile | RACM |
| 56-TS-A,B,C | Transite Pipe, Under Foundation | FS-5 | UNQ | PLM 60% Chrysotile | Cat II |
| 58-RC-A,B,C,D,E,F | Roofing Core | EA-5 (Lower & Upper Roof) | 19,300 SF | PLM 5% Chrysotile | Cat I |
| 59-FD-A,B,C | Fire Door- Metal Door with White Interior Lining | EA-1 | 1 DOOR | PLM 10% 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-CC-A,B,C | Concrete Chip- Exterior Concrete | EA-1,2,4 | ND |
| 2-CC-A,B,C | Concrete Chip- Poured Building Foundation | FS- 2,5,15 | ND |
| 3-CC-A,B,C | Concrete Chip- Raised Pad for Former Boiler | FS- 4 | ND |
| 4-FL-A,B,C | Floor Leveler, White | FS- 2 | ND |
| 5-FL-A,B,C | Floor Leveler, Gray | FS- 2 | ND |
| 6-BM-A,B,C | Brick Mortar- CMU Block | FS- 5,9,15 | ND |
| 7-BM-A,B,C | Brick Mortar- Brick Wall | EA- 1,4 | ND |
| 8-BM-A,B,C | Brick Mortar- Glazed Ceramic Brick, Beige | FS- 1,2,15 | ND |
| 9-EJ-A,B,C | Expansion Joint- Black Paper between Floor & Exterior Walls | FS- 4,5 | ND |
| 10-WBS-A,B,C | Wallboard System | FS- 2, 15 | ND |
| 11-IC-A,B,C | Interior Caulk- Between Knee-Wall and Window Frame, Gray | FS-1 & EA-1 | ND |
| 12-IC-A,B,C | Interior Caulk- Beige, Brittle, on Glazed Brick | FS- 1,2, 15 | PLM 3% Chrysotile |
| 13-IC-A,B,C | Interior Caulk- Bright White, Around Sinks and Toilets | FS- 11, 12 | ND |
| 14-IC-A,B,C | Interior Caulk- White, Soft, Around Steel Door Frames | FS- 5, 10 | ND |
| 15-IC-A,B,C | Interior Caulk-Beige & Brittle, Between Steel Door Frame and CMU Block | FS- 2, 5 | PLM 2% Chrysotile |
| 16-IC-A,B,C | Interior Caulk- Beige, on Wood Trim around the Snack Shack Counter | FS- 2 | ND |
| 17-IC-A,B,C | Interior Caulk- Greenish- Gray, on Metal HVAC Seems | FS- 2 | ND |
| 18-IC-A,B,C | Interior Caulk-Off-White, on Metal Support Poles in Kitchen | FS- 3 | ND |
| 19-CA-A,B,C | Construction Adhesive- Beige, Under Wallboard on Glazed Brick | FS- 1, 2 | ND |
| 20-CA-A,B,C | Construction Adhesive- Beige, Under Kitchen Wall Panels | FS- 3 | ND |
| 21-CA-A,B,C | Construction Adhesive- Orange, Seems of Stainless-Steel Panels | FS- 3 | ND |
| 22-CA-A,B,C | Construction Adhesive- Around Perimeter of Sink Base | FS- 5 | ND |
| 23-CM-A,B,C | Carpet Mastic- 18 " Brown Carpet Tiles, Beige Mastic | FS- 2 | ND |
| 24-CM-A,B,C | Carpet Mastic- Beige Under Blue Carpet | FS- 13, 14 | ND |
| 25-CM-A,B,C | Carpet Mastic- Beige Under Brown Carpet | FS- 16, 17 | ND |
| 26-CP-A,B,C | Ceiling Panel- 2'x4', Styrofoam with Sprayed Coating on Top | FS- 2,13,14 | ND |
| 27-CP-A,B,C | Ceiling Panel- 2'x4' White, Small Pinhole and Fissure | FS- 13 | ND |
| 28-CP-A,B,C | Ceiling Panel- 2'x4' Large Pinhole and Fissure | FS- 14 | ND |
| 29-CP-A,B,C | Ceiling Panel- 2'x4' Art Deco Pattern | FS- 3 | ND |
| 30-CB-A,B,C | CoveBase 4" Brown Vinyl with Adhesive | FS- 2 | ND |
| 31-CB-A,B,C | CoveBase 4" Gray Vinyl with Adhesive | FS- 3,16,17 | ND |
| 32-CB-A,B,C | CoveBase 4" Blue Vinyl with Adhesive | FS- 13 | ND |

| | | | |
|--------------------------|---|--------------------------------------|--|
| 33-CB-A,B,C | CoveBase 4" Dark Gray Vinyl with Adhesive | FS- 14 | ND |
| 34-SU-A,B,C | Sink Undercoating, Yellowish- White | FS- 3 | ND |
| 35-BMA-A,B,C | Black Mastic- Exposed Black Mastic | FS- 1,2,15 | ND |
| 36-FT-A,B,C | Floor Tile- 9" Pink with Faint Gray Streaks, and Mastic | FS- 2 | PLM 4% Chrysotile (Floor Tile Only) |
| 37-FT-A,B,C | Floor Tile- 9" Green with Faint Gray Streaks, and Mastic | FS- 2 | PLM 3% Chrysotile (Floor Tile Only) |
| 38-FT-A,B,C | Floor Tile- 9" Off-White with Faint Gray Streaks, and Mastic | FS- 2,6,7 | PLM 4% Chrysotile (Floor Tile Only) |
| 39-FT-A,B,C | Floor Tile- 9" Gray with Faint Gray Streaks, and Mastic | FS- 5 | PLM 3% Chrysotile (Floor Tile Only) |
| 40-FT-A,B,C | Floor Tile- 12" Off-White with Gray Streaks | FS- 2, 3 | ND |
| 41-FT-A,B,C | Floor Tile- 12" Mottled Light Gray, Dark Gray, and Mastic | FS- 11,12 | ND |
| 42-PI-A,B,C | Pipe Insulation- Paper Wrapped Fiberglass | FS- 4 | ND |
| 43-PF-A,B,C | Pipe Fittings- Fiberglass with Plastic Cover | FS- 4 | ND |
| 44-RI-A,B,C | Rolled-in-Insulation Fiberglass HVAC Duct, Wrapped in Gray Plastic | FS- 2,14,16 | ND |
| 45-RI-A,B,C | Rolled-in-Insulation- Yellow Fiberglass, No Paper | FS- 2 | ND |
| 46-RI-A,B,C | Rolled-in-Insulation Foil Wrapped HVAC Duct | FS- 2,4,15 | ND |
| 47-VD-A,B,C | Vibration Dampener- Beige Canvas | FS-5 | ND |
| 48-HS-A,B,C | Heat Shield- White, Between Panels on HVAC Fan | FS-1 | PLM 80% Chrysotile |
| 49-CB-A,B,C | CoveBase 4' Black Vinyl with Adhesive | FS- 5,6,9 | ND |
| 50-EJ-A,B,C | Expansion Joint- CMU Block | EA- 1,3 | PLM 3% Chrysotile |
| 51-EC-A,B,C | Exterior Caulk- White, Around Door Frames | EA-3 | ND |
| 52-WG-A,B,C | Window Glaze- White | EA-4 | ND |
| 53-HS-A,B,C | Heat Shield- Fiberglass, in Light Fixture | EA- 1,4 | ND |
| 54-BM-A,B,C | Brick Mortar- Around Pipe Insulation | EA-1,2,3 | ND |
| 55-PI-A,B,C | Pipe Insulation- Gray Goopy Wrap | EA-1 | ND |
| 56-TS-A,B,C | Transite Pipe, Under Foundation | FS-5 | PLM 60% Chrysotile |
| 57-FT-A,B,C | Floor Tile 9" Beige with Red Streaks | FS-2 | ND |
| 58-RC-A,B,C,D,E,F | Roofing Core | EA-5 (Lower & Upper Roof) | PLM 5% Chrysotile |
| 59-FD-A,B,C | Fire Door- Metal Door with White Interior Lining | EA-1 | PLM 10% Chrysotile |
| 60-FD-A,B,C | Fire Door- Metal Door with Corrugated Paper Lining | EA-3 | ND |

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

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

Asbestos is a hazardous substance. Its condition, handling and disposal are regulated by federal,

state, and local agencies. ACMs generally do not pose a health threat unless the asbestos fibers are disturbed, become airborne and are inhaled.

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

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

TABLE III
Other Regulated Materials/Universal Wastes

| MATERIAL | LOCATION | APPROXIMATE QUANTITY |
|--|---|----------------------|
| CFC's Air Conditioners/Refrigerators/Freezers/Dehumidifiers | FS-2, | 3 |
| CRTs/ TV Screens/ Monitors/Electronics | FS-2, 5 | 6 |
| Automobile, Lawn Mower, Snow Blower | FS-6 | 1 |
| Exit Signs | FS-2, 5, 10, 13, 14 | 9 |
| Fire Extinguishers | FS-3, 4, 6 | 5 |
| Fluorescent/HID Light Fixtures/ Bulbs/Ballasts | FS-1, 2, 3, 4, 5, 6, 7, 8, 9,10, 11, 12, 13, 14, 15, 16 | 235 |
| Misc. Items (Glue, Solvents, Cleaners, etc.) | FS-2, 4, 5, 13, 14, 15, 16 | 44 |
| Paint Cans | FS-4, 5, 15, 16 | 58 |
| Smoke Detectors | FS-2, 3 | 5 |
| Thermostats | FS-2 | 1 |
| Natural Gas Regulator | FS-4 | 1 |
| Unlabeled Containers (Drums, Totes) | FS-2, 5 | 7 |
| Tires | EA-1 | 2 |

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

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

| DESCRIPTION | DESIGNATION |
|-----------------------------------|---|
| Interior Functional Spaces | |
| Ground Level | FS- 1,2,3,4,5,6,7,8,10,11,12,13,14,15,16,17 |
| Mezzanine Level | FS- 9 |
| Exterior Areas | |
| Roof | EA-5 |
| Outside Surrounding | EA- 1,2,3,4 |

RECOMMENDATIONS:

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

ACM need not be removed before demolition if it:

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

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

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

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

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

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

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

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

Prior to demolition, the following is recommended:

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

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

LIMITATIONS:

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

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

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

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

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

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

ATTACHMENT A

LABORATORY REPORTS AND CHAIN OF CUSTODY



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

ETL Job: 254184
Client Project: 188BS23004
Report Date: 1/23/2023

Attention: Robert Smith
Project Location: 328 E Stockbridge, Kalamazoo, MI 49001
City of Kalamazoo

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1445828 | 1-CC-A | Asbestos | 01/20/2023 |
| 1445829 | 1-CC-B | Asbestos | 01/20/2023 |
| 1445830 | 1-CC-C | Asbestos | 01/20/2023 |
| 1445831 | 2-CC-A | Asbestos | 01/20/2023 |
| 1445832 | 2-CC-B | Asbestos | 01/20/2023 |
| 1445833 | 2-CC-C | Asbestos | 01/20/2023 |
| 1445834 | 3-CC-A | Asbestos | 01/20/2023 |
| 1445835 | 3-CC-B | Asbestos | 01/20/2023 |
| 1445836 | 3-CC-C | Asbestos | 01/20/2023 |
| 1445837 | 4-FL-A | Asbestos | 01/20/2023 |
| 1445838 | 4-FL-B | Asbestos | 01/20/2023 |
| 1445839 | 4-FL-C | Asbestos | 01/20/2023 |
| 1445840 | 5-FL-A | Asbestos | 01/20/2023 |
| 1445841 | 5-FL-B | Asbestos | 01/20/2023 |
| 1445842 | 5-FL-C | Asbestos | 01/20/2023 |
| 1445843 | 6-BM-A | Asbestos | 01/20/2023 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1445844 | 6-BM-B | Asbestos | 01/20/2023 |
| 1445845 | 6-BM-C | Asbestos | 01/20/2023 |
| 1445846 | 7-BM-A | Asbestos | 01/20/2023 |
| 1445847 | 7-BM-B | Asbestos | 01/20/2023 |
| 1445848 | 7-BM-C | Asbestos | 01/20/2023 |
| 1445849 | 8-BM-A | Asbestos | 01/20/2023 |
| 1445850 | 8-BM-B | Asbestos | 01/20/2023 |
| 1445851 | 8-BM-C | Asbestos | 01/20/2023 |
| 1445852 | 9-EJ-A | Asbestos | 01/20/2023 |
| 1445853 | 9-EJ-B | Asbestos | 01/20/2023 |
| 1445854 | 9-EJ-C | Asbestos | 01/20/2023 |
| 1445855 | 10-WBS-A | Asbestos | 01/20/2023 |
| 1445856 | 10-WBS-B | Asbestos | 01/20/2023 |
| 1445857 | 10-WBS-C | Asbestos | 01/20/2023 |
| 1445858 | 11-IC-A | Asbestos | 01/20/2023 |
| 1445859 | 11-IC-B | Asbestos | 01/20/2023 |
| 1445860 | 11-IC-C | Asbestos | 01/20/2023 |
| 1445861 | 12-IC-A | Asbestos | 01/20/2023 |
| 1445862 | 12-IC-B | Asbestos | 01/20/2023 |
| 1445863 | 12-IC-C | Asbestos | 01/20/2023 |
| 1445864 | 13-IC-A | Asbestos | 01/20/2023 |
| 1445865 | 13-IC-B | Asbestos | 01/20/2023 |
| 1445866 | 13-IC-C | Asbestos | 01/20/2023 |
| 1445867 | 14-IC-A | Asbestos | 01/20/2023 |
| 1445868 | 14-IC-B | Asbestos | 01/20/2023 |
| 1445869 | 14-IC-C | Asbestos | 01/20/2023 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1445870 | 15-IC-A | Asbestos | 01/20/2023 |
| 1445871 | 15-IC-B | Asbestos | 01/20/2023 |
| 1445872 | 15-IC-C | Asbestos | 01/20/2023 |
| 1445873 | 16-IC-A | Asbestos | 01/20/2023 |
| 1445874 | 16-IC-B | Asbestos | 01/20/2023 |
| 1445875 | 16-IC-C | Asbestos | 01/20/2023 |
| 1445876 | 17-IC-A | Asbestos | 01/20/2023 |
| 1445877 | 17-IC-B | Asbestos | 01/20/2023 |
| 1445878 | 17-IC-C | Asbestos | 01/20/2023 |
| 1445879 | 18-IC-A | Asbestos | 01/20/2023 |
| 1445880 | 18-IC-B | Asbestos | 01/20/2023 |
| 1445881 | 18-IC-C | Asbestos | 01/20/2023 |
| 1445882 | 19-CA-A | Asbestos | 01/20/2023 |
| 1445883 | 19-CA-B | Asbestos | 01/20/2023 |
| 1445884 | 19-CA-C | Asbestos | 01/20/2023 |
| 1445885 | 20-CA-A | Asbestos | 01/20/2023 |
| 1445886 | 20-CA-B | Asbestos | 01/20/2023 |
| 1445887 | 20-CA-C | Asbestos | 01/20/2023 |
| 1445888 | 21-CA-A | Asbestos | 01/20/2023 |
| 1445889 | 21-CA-B | Asbestos | 01/20/2023 |
| 1445890 | 21-CA-C | Asbestos | 01/20/2023 |
| 1445891 | 22-CA-A | Asbestos | 01/20/2023 |
| 1445892 | 22-CA-B | Asbestos | 01/20/2023 |
| 1445893 | 22-CA-C | Asbestos | 01/20/2023 |
| 1445894 | 23-CM-A | Asbestos | 01/20/2023 |
| 1445895 | 23-CM-B | Asbestos | 01/20/2023 |


| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1445896 | 23-CM-C | Asbestos | 01/20/2023 |
| 1445897 | 24-CM-A | Asbestos | 01/20/2023 |
| 1445898 | 24-CM-B | Asbestos | 01/20/2023 |
| 1445899 | 24-CM-C | Asbestos | 01/20/2023 |
| 1445900 | 25-CM-A | Asbestos | 01/23/2023 |
| 1445901 | 25-CM-B | Asbestos | 01/23/2023 |
| 1445902 | 25-CM-C | Asbestos | 01/23/2023 |
| 1445903 | 26-CP-A | Asbestos | 01/23/2023 |
| 1445904 | 26-CP-B | Asbestos | 01/23/2023 |
| 1445905 | 26-CP-C | Asbestos | 01/23/2023 |
| 1445906 | 27-CP-A | Asbestos | 01/23/2023 |
| 1445907 | 27-CP-B | Asbestos | 01/23/2023 |
| 1445908 | 27-CP-C | Asbestos | 01/23/2023 |
| 1445909 | 28-CP-A | Asbestos | 01/23/2023 |
| 1445910 | 28-CP-B | Asbestos | 01/23/2023 |
| 1445911 | 28-CP-C | Asbestos | 01/23/2023 |
| 1445912 | 29-CP-A | Asbestos | 01/23/2023 |
| 1445913 | 29-CP-B | Asbestos | 01/23/2023 |
| 1445914 | 29-CP-C | Asbestos | 01/23/2023 |
| 1445915 | 30-CB-A | Asbestos | 01/23/2023 |
| 1445916 | 30-CB-B | Asbestos | 01/23/2023 |
| 1445917 | 30-CB-C | Asbestos | 01/23/2023 |
| 1445918 | 31-CB-A | Asbestos | 01/23/2023 |
| 1445919 | 31-CB-B | Asbestos | 01/23/2023 |
| 1445920 | 31-CB-C | Asbestos | 01/23/2023 |
| 1445921 | 32-CB-A | Asbestos | 01/23/2023 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1445922 | 32-CB-B | Asbestos | 01/23/2023 |
| 1445923 | 32-CB-C | Asbestos | 01/23/2023 |
| 1445924 | 33-CB-A | Asbestos | 01/23/2023 |
| 1445925 | 33-CB-B | Asbestos | 01/23/2023 |
| 1445926 | 33-CB-C | Asbestos | 01/23/2023 |
| 1445927 | 34-SU-A | Asbestos | 01/23/2023 |
| 1445928 | 34-SU-B | Asbestos | 01/23/2023 |
| 1445929 | 34-SU-C | Asbestos | 01/23/2023 |
| 1445930 | 35-BMA-A | Asbestos | 01/23/2023 |
| 1445931 | 35-BMA-B | Asbestos | 01/23/2023 |
| 1445932 | 35-BMA-C | Asbestos | 01/23/2023 |
| 1445933 | 36-FT-A | Asbestos | 01/23/2023 |
| 1445934 | 36-FT-B | Asbestos | 01/23/2023 |
| 1445935 | 36-FT-C | Asbestos | 01/23/2023 |
| 1445936 | 37-FT-A | Asbestos | 01/23/2023 |
| 1445937 | 37-FT-B | Asbestos | 01/23/2023 |
| 1445938 | 37-FT-C | Asbestos | 01/23/2023 |
| 1445939 | 38-FT-A | Asbestos | 01/23/2023 |
| 1445940 | 38-FT-B | Asbestos | 01/23/2023 |
| 1445941 | 38-FT-C | Asbestos | 01/23/2023 |
| 1445942 | 39-FT-A | Asbestos | 01/23/2023 |
| 1445943 | 39-FT-B | Asbestos | 01/23/2023 |
| 1445944 | 39-FT-C | Asbestos | 01/23/2023 |
| 1445945 | 40-FT-A | Asbestos | 01/23/2023 |
| 1445946 | 40-FT-B | Asbestos | 01/23/2023 |
| 1445947 | 40-FT-C | Asbestos | 01/23/2023 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1445948 | 41-FT-A | Asbestos | 01/23/2023 |
| 1445949 | 41-FT-B | Asbestos | 01/23/2023 |
| 1445950 | 41-FT-C | Asbestos | 01/23/2023 |
| 1445951 | 42-PI-A | Asbestos | 01/23/2023 |
| 1445952 | 42-PI-B | Asbestos | 01/23/2023 |
| 1445953 | 42-PI-C | Asbestos | 01/23/2023 |
| 1445954 | 43-PF-A | Asbestos | 01/23/2023 |
| 1445955 | 43-PF-B | Asbestos | 01/23/2023 |
| 1445956 | 43-PF-C | Asbestos | 01/23/2023 |
| 1445957 | 44-RI-A | Asbestos | 01/23/2023 |
| 1445958 | 44-RI-B | Asbestos | 01/23/2023 |
| 1445959 | 44-RI-C | Asbestos | 01/23/2023 |
| 1445960 | 45-RI-A | Asbestos | 01/23/2023 |
| 1445961 | 45-RI-B | Asbestos | 01/23/2023 |
| 1445962 | 45-RI-C | Asbestos | 01/23/2023 |
| 1445963 | 46-RI-A | Asbestos | 01/23/2023 |
| 1445964 | 46-RI-B | Asbestos | 01/23/2023 |
| 1445965 | 46-RI-C | Asbestos | 01/23/2023 |
| 1445966 | 47-VD-A | Asbestos | 01/23/2023 |
| 1445967 | 47-VD-B | Asbestos | 01/23/2023 |
| 1445968 | 47-VD-C | Asbestos | 01/23/2023 |
| 1445969 | 48-HS-A | Asbestos | 01/23/2023 |
| 1445970 | 48-HS-B | Asbestos | 01/23/2023 |
| 1445971 | 48-HS-C | Asbestos | 01/23/2023 |
| 1445972 | 49-CB-A | Asbestos | 01/23/2023 |
| 1445973 | 49-CB-B | Asbestos | 01/23/2023 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1445974 | 49-CB-C | Asbestos | 01/23/2023 |
| 1445975 | 50-EJ-A | Asbestos | 01/23/2023 |
| 1445976 | 50-EJ-B | Asbestos | 01/23/2023 |
| 1445977 | 50-EJ-C | Asbestos | 01/23/2023 |
| 1445978 | 51-EC-A | Asbestos | 01/23/2023 |
| 1445979 | 51-EC-B | Asbestos | 01/23/2023 |
| 1445980 | 51-EC-C | Asbestos | 01/23/2023 |
| 1445981 | 52-WG-A | Asbestos | 01/23/2023 |
| 1445982 | 52-WG-B | Asbestos | 01/23/2023 |
| 1445983 | 52-WG-C | Asbestos | 01/23/2023 |
| 1445984 | 53-HS-A | Asbestos | 01/23/2023 |
| 1445985 | 53-HS-B | Asbestos | 01/23/2023 |
| 1445986 | 53-HS-C | Asbestos | 01/23/2023 |
| 1445987 | 54-BM-A | Asbestos | 01/23/2023 |
| 1445988 | 54-BM-B | Asbestos | 01/23/2023 |
| 1445989 | 54-BM-C | Asbestos | 01/23/2023 |
| 1445990 | 55-PI-A | Asbestos | 01/23/2023 |
| 1445991 | 55-PI-B | Asbestos | 01/23/2023 |
| 1445992 | 55-PI-C | Asbestos | 01/23/2023 |
| 1445993 | 56-TS-A | Asbestos | 01/23/2023 |
| 1445994 | 56-TS-B | Asbestos | 01/23/2023 |
| 1445995 | 56-TS-C | Asbestos | 01/23/2023 |
| 1445996 | 57-FT-A | Asbestos | 01/23/2023 |
| 1445997 | 57-FT-B | Asbestos | 01/23/2023 |
| 1445998 | 57-FT-C | Asbestos | 01/23/2023 |
| 1445999 | 58-RC-A | Asbestos | 01/23/2023 |

| Lab Sample Number | Client Sample Number | Sample Type | Completed |
|-------------------|----------------------|-------------|------------|
| 1446000 | 58-RC-B | Asbestos | 01/23/2023 |
| 1446001 | 58-RC-C | Asbestos | 01/23/2023 |
| 1446002 | 58-RC-D | Asbestos | 01/23/2023 |
| 1446003 | 58-RC-E | Asbestos | 01/23/2023 |
| 1446004 | 58-RC-F | Asbestos | 01/23/2023 |
| 1446005 | 59-FD-A | Asbestos | 01/23/2023 |
| 1446006 | 59-FD-B | Asbestos | 01/23/2023 |
| 1446007 | 59-FD-C | Asbestos | 01/23/2023 |
| 1446008 | 60-FD-A | Asbestos | 01/23/2023 |
| 1446009 | 60-FD-B | Asbestos | 01/23/2023 |
| 1446010 | 60-FD-C | Asbestos | 01/23/2023 |

Reviewed by: 
Emily Nowacki

| <u>Summary</u> | | | |
|----------------|--------|-------|--------|
| Method | Sample | Layer | Mastic |
| PLM | 185 | 3 | 36 |

Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--|---|------------------|---------------|-------------------|
| 1445828 1-CC-A | Concrete Chip, Exterior Concrete | Gray Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445828 1-CC-A | Plaster | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445829 1-CC-B | Concrete Chip, Exterior Concrete | Gray / Peach Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445830 1-CC-C | Concrete Chip, Exterior Concrete | Gray / Peach Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445831 2-CC-A | Concrete Chip, Poured Building Foundation | Gray / Red Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445832 2-CC-B | Concrete Chip, Poured Building Foundation | Gray / Red Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|---|---|------------------|---------------|-------------------|
| 1445833 2-CC-C | Concrete Chip, Poured Building Foundation | Gray / Red Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445834 3-CC-A | Concrete Chip, Raised Pad for Former Boiler | Beige Non-Fibrous Homogenous | PLM 6% Cellulose | PLM 94% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445835 3-CC-B | Concrete Chip, Raised Pad for Former Boiler | Beige Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445836 3-CC-C | Concrete Chip, Raised Pad for Former Boiler | Beige Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445837 4-FL-A | Floor Leveler | White Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445838 4-FL-B | Floor Leveler | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|------------------------|------------------------------------|------------------|---------------|-------------------|
| 1445839 4-FL-C | Floor Leveler | White Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445840 5-FL-A | Floor Leveler | Gray Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445841 5-FL-B | Floor Leveler | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445842 5-FL-C | Floor Leveler | Gray Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445843 6-BM-A | Brick Mortar CMU Block | Gray Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445844 6-BM-B | Brick Mortar CMU Block | Gray Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-------------------------|-----------------------------------|------------------|---------------|-------------------|
| 1445845 6-BM-C | Brick Mortar CMU Block | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445846 7-BM-A | Brick Mortar Brick Wall | Red Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445846 7-BM-A | Mortar | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445847 7-BM-B | Brick Mortar Brick Wall | Red Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445847 7-BM-B | Mortar | Gray Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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 46555 Humboldt Dr. Suite 100
 Novi, Michigan 48377

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--|------------------------------------|-------------------|---------------|-------------------|
| 1445848 7-BM-C | Brick Mortar Brick Wall | Red Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445848 7-BM-C | Mortar | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445849 8-BM-A | Brick Mortar Glazed Ceramic Brick | Beige Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445850 8-BM-B | Brick Mortar Glazed Ceramic Brick | Beige Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445851 8-BM-C | Brick Mortar Glazed Ceramic Brick | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445852 9-EJ-A | Expansion Joint, Paper Between Floor and Ext. Walls | Black Fibrous Homogenous | PLM 25% Cellulose | PLM 75% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--|------------------------------------|-------------------|---------------|-------------------|
| 1445853 9-EJ-B | Expansion Joint, Paper Between Floor and Ext. Walls | Black Fibrous Homogenous | PLM 20% Cellulose | PLM 80% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445854 9-EJ-C | Expansion Joint, Paper Between Floor and Ext. Walls | Black Fibrous Homogenous | PLM 25% Cellulose | PLM 75% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445855 10-WBS-A | Wallboard System-Wallboard | Gray Non-Fibrous Homogenous | PLM 9% Cellulose | PLM 91% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445855 10-WBS-A | Texture | Gray Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445855 10-WBS-A | Tape | Beige Non-Fibrous Homogenous | PLM 35% Cellulose | PLM 65% Other | PLM None Detected |
| Layer-3 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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 Novi, Michigan 48377

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|----------------------------|------------------------------------|-------------------|---------------|-------------------|
| 1445856 10-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 : 01/20/2023 | | | | | |
| 1445856 10-WBS-B | Texture | Gray Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445856 10-WBS-B | Tape | Beige Non-Fibrous Homogenous | PLM 20% Cellulose | PLM 80% Other | PLM None Detected |
| Layer-3 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445857 10-WBS-C | Wallboard System-Wallboard | Gray Non-Fibrous Homogenous | PLM 10% Cellulose | PLM 90% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445857 10-WBS-C | Texture | Gray Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445857 10-WBS-C | Tape | Beige Non-Fibrous Homogenous | PLM 25% Cellulose | PLM 75% Other | PLM None Detected |
| Layer-3 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |

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 Novi, Michigan 48377

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|---|------------------------------------|------------------|---------------|-------------------|
| 1445858 11-IC-A | Interior Caulk, Between Knee Wall and Window Frame | Beige Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445859 11-IC-B | Interior Caulk, Between Knee Wall and Window Frame | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445860 11-IC-C | Interior Caulk, Between Knee Wall and Window Frame | Beige Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445861 12-IC-A | Interior Caulk, Brittle, on Glazed Brick | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 95% Other | PLM 3% Chrysotile |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445862 12-IC-B | | Positive Stop | | | |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 Sample Not Analyzed | | | | | |
| 1445863 12-IC-C | | Positive Stop | | | |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 Sample 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 : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--|--|-------------------|---------------|-------------------|
| 1445864 13-IC-A | Interior Caulk, around Sinks and Toilets | Bright White Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445865 13-IC-B | Interior Caulk, around Sinks and Toilets | Bright White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445866 13-IC-C | Interior Caulk, around Sinks and Toilets | Bright White Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445867 14-IC-A | Interior Caulk, Soft, around Steel Door Frames | White / Cream Non-Fibrous Homogenous | PLM 9% Cellulose | PLM 91% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445868 14-IC-B | Interior Caulk, Soft, around Steel Door Frames | White / Cream Non-Fibrous Homogenous | PLM 10% Cellulose | PLM 90% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445869 14-IC-C | Interior Caulk, Soft, around Steel Door Frames | White / Cream Non-Fibrous Homogenous | PLM 7% Cellulose | PLM 93% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |

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Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|---|--|-------------------|---------------|-------------------|
| 1445870 15-IC-A | Interior Caulk, Brittle Between Door Frame / CMU Block | Beige / Tan Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 97% Other | PLM 2% Chrysotile |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445871 15-IC-B | | Positive Stop | | | |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 Sample Not Analyzed | | | | | |
| 1445872 15-IC-C | | Positive Stop | | | |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 Sample Not Analyzed | | | | | |
| 1445873 16-IC-A | Interior Caulk, on Wood Frame Around Snack Shack | Beige Non-Fibrous Homogenous | PLM 10% Cellulose | PLM 90% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445874 16-IC-B | Interior Caulk, on Wood Frame Around Snack Shack | Beige Non-Fibrous Homogenous | PLM 7% Cellulose | PLM 93% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445875 16-IC-C | Interior Caulk, on Wood Frame Around Snack Shack | Beige Non-Fibrous Homogenous | PLM 10% Cellulose | PLM 90% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |

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| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|---|--|---------------------|----------------|-------------------|
| 1445876 17-IC-A | Interior Caulk, on Metal HVAC Seams | Greenish-Grey Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445877 17-IC-B | Interior Caulk, on Metal HVAC Seams | Greenish-Grey Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445878 17-IC-C | Interior Caulk, on Metal HVAC Seams | Greenish-Grey Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445879 18-IC-A | Interior Caulk, on Metal Support Poles in Kitchen | Off White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445880 18-IC-B | Interior Caulk, on Metal Support Poles in Kitchen | Off White Non-Fibrous Homogenous | PLM Trace Cellulose | PLM 100% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445881 18-IC-C | Interior Caulk, on Metal Support Poles in Kitchen | Off White Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |

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Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|--|------------------------------------|-------------------|---------------|-------------------|
| 1445882 19-CA-A | Construction Adhesive, under Wallboard on Glazed Brick | Beige Non-Fibrous Homogenous | PLM 4% Fiberglass | PLM 96% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445883 19-CA-B | Construction Adhesive, under Wallboard on Glazed Brick | Beige Non-Fibrous Homogenous | PLM 2% Fiberglass | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445884 19-CA-C | Construction Adhesive, under Wallboard on Glazed Brick | Beige Non-Fibrous Homogenous | PLM 1% Fiberglass | PLM 99% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445885 20-CA-A | Construction Adhesive, under Kitchen Wall Panels | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445886 20-CA-B | Construction Adhesive, under Kitchen Wall Panels | Beige Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445887 20-CA-C | Construction Adhesive, under Kitchen Wall Panels | Beige Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |

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Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|---|-------------------------------------|------------------|---------------|-------------------|
| 1445888 21-CA-A | Construction Adhesive, Seam, on Stainless Steel Panels | Orange Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445889 21-CA-B | Construction Adhesive, Seam, on Stainless Steel Panels | Orange Non-Fibrous Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445890 21-CA-C | Construction Adhesive, Seam, on Stainless Steel Panels | Orange Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445891 22-CA-A | Construction Adhesive, around Perimeter of Sink Base | Beige Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445892 22-CA-B | Construction Adhesive, around Perimeter of Sink Base | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445893 22-CA-C | Construction Adhesive, around Perimeter of Sink Base | Beige Non-Fibrous Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |

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Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|------------------------------------|------------------------------------|-------------------|---------------|-------------------|
| 1445894 23-CM-A | Carpet Mastic, 18 in. Carpet Tiles | Brown Fibrous Homogenous | PLM 91% Cellulose | PLM 9% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445894 23-CM-A | Mastic | Beige Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445895 23-CM-B | Carpet Mastic, 18 in. Carpet Tiles | Brown Fibrous Homogenous | PLM 88% Cellulose | PLM 12% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445895 23-CM-B | Mastic | Beige Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445896 23-CM-C | Carpet Mastic, 18 in. Carpet Tiles | Brown Fibrous Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-1 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445896 23-CM-C | Mastic | Beige Non-Fibrous Homogenous | PLM 9% Cellulose | PLM 91% Other | PLM None Detected |
| Layer-2 Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |

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Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|---------------|------------------------------------|------------------|---------------|-------------------|
| 1445897 24-CM-A | Carpet Mastic | Beige Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445898 24-CM-B | Carpet Mastic | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445899 24-CM-C | Carpet Mastic | Beige Non-Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Analyst: OJ Ivey Date Analyzed : 01/20/2023 | | | | | |
| 1445900 25-CM-A | Carpet Mastic | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445901 25-CM-B | Carpet Mastic | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445902 25-CM-C | Carpet Mastic | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|-------------------------------|------------------------------------|---|----------------|-------------------|
| 1445903 26-CP-A | Styrofoam Ceiling Panel 2'x4' | White Non-Fibrous Homogenous | PLM Trace Cellulose | PLM 100% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445904 26-CP-B | Styrofoam Ceiling Panel 2'x4' | White Non-Fibrous Homogenous | PLM Trace Cellulose | PLM 100% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445905 26-CP-C | Styrofoam Ceiling Panel 2'x4' | White Non-Fibrous Homogenous | PLM Trace Cellulose | PLM 100% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445906 27-CP-A | Ceiling Panel 2'x4' | White Fibrous Homogenous | PLM 50% Cellulose PLM 35% Fiberglass | PLM 15% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445907 27-CP-B | Ceiling Panel 2'x4' | White Fibrous Homogenous | PLM 50% Cellulose PLM 35% Fiberglass | PLM 15% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445908 27-CP-C | Ceiling Panel 2'x4' | White Fibrous Homogenous | PLM 50% Cellulose PLM 35% Fiberglass | PLM 15% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|---------------------|--------------------------------|---|---------------|-------------------|
| 1445909 28-CP-A | Ceiling Panel 2'x4' | White Fibrous Homogenous | PLM 50% Cellulose PLM 35% Fiberglass | PLM 15% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445910 28-CP-B | Ceiling Panel 2'x4' | White Fibrous Homogenous | PLM 50% Cellulose PLM 35% Fiberglass | PLM 15% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445911 28-CP-C | Ceiling Panel 2'x4' | White Fibrous Homogenous | PLM 50% Cellulose PLM 35% Fiberglass | PLM 15% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445912 29-CP-A | Ceiling Panel 2'x4' | Gray Fibrous Homogenous | PLM 25% Cellulose PLM 30% Fiberglass | PLM 45% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445913 29-CP-B | Ceiling Panel 2'x4' | Gray Fibrous Homogenous | PLM 25% Cellulose PLM 30% Fiberglass | PLM 45% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445914 29-CP-C | Ceiling Panel 2'x4' | Gray Fibrous Homogenous | PLM 25% Cellulose PLM 30% Fiberglass | PLM 45% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|------------------|-------------------------------------|---------------------------------------|---------------|-------------------|
| 1445915 30-CB-A | Cove Base | Brown Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445915 30-CB-A | Adhesive | Yellow Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445915 30-CB-A | Powdery Material | White Non-Fibrous Homogenous | PLM 3% Cellulose PLM 2% Fiberglass | PLM 95% Other | PLM None Detected |
| Layer-3 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445916 30-CB-B | Cove Base | Brown Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445916 30-CB-B | Adhesive | Yellow Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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 46555 Humboldt Dr. Suite 100
 Novi, Michigan 48377

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|------------------|-------------------------------------|--|---------------|-------------------|
| 1445917 30-CB-C | Cove Base | Brown Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445917 30-CB-C | Adhesive | Yellow Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445917 30-CB-C | Powdery Material | White Non-Fibrous Homogenous | PLM 2% Cellulose PLM Trace Fiberglass | PLM 98% Other | PLM None Detected |
| Layer-3 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445918 31-CB-A | Cove Base | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445918 31-CB-A | Adhesive | Tan Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445918 31-CB-A | Fibrous Material | Gray Fibrous Homogenous | PLM 97% Cellulose | PLM 3% Other | PLM None Detected |
| Layer-3 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|------------------|---|-------------------|---------------|-------------------|
| 1445919 31-CB-B | Cove Base | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445919 31-CB-B | Adhesive | Tan Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445919 31-CB-B | Fibrous Material | Gray Fibrous Homogenous | PLM 97% Cellulose | PLM 3% Other | PLM None Detected |
| Layer-3 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445920 31-CB-C | Cove Base | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445920 31-CB-C | Adhesive | Yellow Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445920 31-CB-C | Debris | Gray/Brown Fibrous Non-Homogenous | PLM 95% Cellulose | PLM 5% Other | PLM None Detected |
| Layer-3 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|------------------|-----------------------------------|-------------------|---------------|-------------------|
| 1445921 32-CB-A | Cove Base | Blue Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445921 32-CB-A | Adhesive | Tan Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445922 32-CB-B | Cove Base | Blue Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445922 32-CB-B | Adhesive | Tan Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445922 32-CB-B | Fibrous Material | Tan Fibrous Homogenous | PLM 96% Cellulose | PLM 4% Other | PLM None Detected |
| Layer-3 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|------------------|-----------------------------------|-------------------|---------------|-------------------|
| 1445923 32-CB-C | Cove Base | Blue Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445923 32-CB-C | Adhesive | Tan Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445923 32-CB-C | Fibrous Material | Tan Fibrous Homogenous | PLM 96% Cellulose | PLM 4% Other | PLM None Detected |
| Layer-3 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445924 33-CB-A | Cove Base | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445924 33-CB-A | Adhesive | Tan Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445924 33-CB-A | Fibrous Material | Beige Fibrous Homogenous | PLM 96% Cellulose | PLM 4% Other | PLM None Detected |
| Layer-3 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|------------------|-----------------------------------|-------------------|---------------|-------------------|
| 1445925 33-CB-B | Cove Base | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445925 33-CB-B | Adhesive | Tan Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445925 33-CB-B | Fibrous Material | Beige Fibrous Homogenous | PLM 96% Cellulose | PLM 4% Other | PLM None Detected |
| Layer-3 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445926 33-CB-C | Cove Base | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445926 33-CB-C | Adhesive | Tan Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445926 33-CB-C | Fibrous Material | Beige Fibrous Homogenous | PLM 97% Cellulose | PLM 3% Other | PLM None Detected |
| Layer-3 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|-------------------|--|------------------|---------------|-------------------|
| 1445927 34-SU-A | Sink Undercoating | Yellow Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445928 34-SU-B | Sink Undercoating | Yellow Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445929 34-SU-C | Sink Undercoating | Yellow Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445930 35-BMA-A | Mastic | Black Non-Fibrous Non-Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445931 35-BMA-B | Mastic | Black Non-Fibrous Non-Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445932 35-BMA-C | Mastic | Black Non-Fibrous Non-Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|---------------|------------------------------------|------------------|---------------|-------------------|
| 1445933 36-FT-A | 9" Floor Tile | Pink Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 93% Other | PLM 4% Chrysotile |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445933 36-FT-A | Mastic | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445934 36-FT-B | | Positive Stop | | | |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 Layer Not Analyzed | | | | | |
| 1445934 36-FT-B | Mastic | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445935 36-FT-C | | Positive Stop | | | |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 Layer Not Analyzed | | | | | |
| 1445935 36-FT-C | Mastic | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|---------------|-------------------------------------|---------------------------------------|---------------|-------------------|
| 1445936 37-FT-A | 9" Floor Tile | Green Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 94% Other | PLM 3% Chrysotile |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445936 37-FT-A | Mastic | Yellow Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445936 37-FT-A | Mastic | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-3 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445936 37-FT-A | Mastic | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-4 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445936 37-FT-A | Mastic | Tan Non-Fibrous Homogenous | PLM 3% Cellulose PLM 3% Fiberglass | PLM 94% Other | PLM None Detected |
| Layer-5 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|-------------|-------------------------------------|---------------------------------------|---------------|-------------------|
| 1445937 37-FT-B | | Positive Stop | | | |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 Layer Not Analyzed | | | | | |
| 1445937 37-FT-B | Mastic | Yellow Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445937 37-FT-B | Mastic | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-3 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445938 37-FT-C | | Positive Stop | | | |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 Layer Not Analyzed | | | | | |
| 1445938 37-FT-C | Mastic | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445938 37-FT-C | Mastic | Tan Non-Fibrous Homogenous | PLM 3% Cellulose PLM 2% Fiberglass | PLM 95% Other | PLM None Detected |
| Layer-3 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|---------------|------------------------------------|------------------|---------------|-------------------|
| 1445939 38-FT-A | 9" Floor Tile | White Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 93% Other | PLM 4% Chrysotile |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445939 38-FT-A | Mastic | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445940 38-FT-B | | Positive Stop | | | |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 Layer Not Analyzed | | | | | |
| 1445940 38-FT-B | Mastic | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445941 38-FT-C | | Positive Stop | | | |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 Layer Not Analyzed | | | | | |
| 1445941 38-FT-C | Mastic | Black Non-Fibrous Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|---------------|------------------------------------|------------------|---------------|-------------------|
| 1445942 39-FT-A | 9" Floor Tile | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 95% Other | PLM 3% Chrysotile |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445942 39-FT-A | Mastic | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445943 39-FT-B | | Positive Stop | | | |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 Layer Not Analyzed | | | | | |
| 1445943 39-FT-B | Mastic | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |
| 1445944 39-FT-C | | Positive Stop | | | |
| Layer-1 Analyst: Alex Noble Date Analyzed : 01/23/2023 Layer Not Analyzed | | | | | |
| 1445944 39-FT-C | Mastic | Black Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Alex Noble Date Analyzed : 01/23/2023 | | | | | |

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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 : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-------------|--|------------------|----------------|-------------------|
| 1445945 40-FT-A | Floor Tile | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445945 40-FT-A | Mastic | Brown Non-Fibrous Non-Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445946 40-FT-B | Floor Tile | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445946 40-FT-B | Mastic | Brown Non-Fibrous Non-Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445947 40-FT-C | Floor Tile | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445947 40-FT-C | Mastic | Brown Non-Fibrous Non-Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |

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46555 Humboldt Dr. Suite 100
Novi, Michigan 48377

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-------------|-------------------------------------|-----------|----------------|-------------------|
| 1445948 41-FT-A | Floor Tile | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445948 41-FT-A | Mastic | Yellow Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445949 41-FT-B | Floor Tile | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445949 41-FT-B | Mastic | Brown Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445950 41-FT-C | Floor Tile | Gray Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445950 41-FT-C | Mastic | Brown Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |

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Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-----------------|---------------------------------|---|---------------|-------------------|
| 1445951 42-PI-A | Pipe Insulation | Yellow Fibrous Homogenous | PLM 90% Fiberglass PLM 10% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445952 42-PI-B | Pipe Insulation | Yellow Fibrous Homogenous | PLM 90% Fiberglass PLM 10% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445953 42-PI-C | Pipe Insulation | Yellow Fibrous Homogenous | PLM 90% Fiberglass PLM 10% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445954 43-PF-A | Pipe Fitting | Yellow Fibrous Homogenous | PLM 90% Fiberglass | PLM 10% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445955 43-PF-B | Pipe Fitting | Yellow Fibrous Homogenous | PLM 90% Fiberglass | PLM 10% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445956 43-PF-C | Pipe Fitting | Yellow Fibrous Homogenous | PLM 90% Fiberglass | PLM 10% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |

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Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|----------------------|---------------------------------|--------------------|---------------|-------------------|
| 1445957 44-RI-A | Rolled-in Insulation | Yellow Fibrous Homogenous | PLM 90% Fiberglass | PLM 10% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445958 44-RI-B | Rolled-in Insulation | Yellow Fibrous Homogenous | PLM 90% Fiberglass | PLM 10% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445959 44-RI-C | Rolled-in Insulation | Yellow Fibrous Homogenous | PLM 90% Fiberglass | PLM 10% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445960 45-RI-A | Rolled-in Insulation | Yellow Fibrous Homogenous | PLM 90% Fiberglass | PLM 10% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445961 45-RI-B | Rolled-in Insulation | Yellow Fibrous Homogenous | PLM 90% Fiberglass | PLM 10% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445962 45-RI-C | Rolled-in Insulation | Yellow Fibrous Homogenous | PLM 90% Fiberglass | PLM 10% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |

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Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|----------------------|-------------------------------------|---|---------------|-------------------|
| 1445963 46-RI-A | Rolled-in Insulation | Yellow Fibrous Non-Homogenous | PLM 90% Fiberglass PLM 10% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445964 46-RI-B | Rolled-in Insulation | Yellow Fibrous Non-Homogenous | PLM 90% Fiberglass PLM 10% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445965 46-RI-C | Rolled-in Insulation | Yellow Fibrous Non-Homogenous | PLM 90% Fiberglass PLM 10% Cellulose | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445966 47-VD-A | Vibration Dampener | Beige Fibrous Homogenous | PLM 98% Cellulose | PLM 2% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445967 47-VD-B | Vibration Dampener | Beige Fibrous Homogenous | PLM 98% Cellulose | PLM 2% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445968 47-VD-C | Vibration Dampener | Beige Fibrous Homogenous | PLM 98% Cellulose | PLM 2% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |

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Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|-------------|------------------------------------|-----------|----------------|--------------------|
| 1445969 48-HS-A | Heat Shield | Gray Fibrous Homogenous | | PLM 20% Other | PLM 80% Chrysotile |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445970 48-HS-B | | Positive Stop | | | |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 Sample Not Analyzed | | | | | |
| 1445971 48-HS-C | | Positive Stop | | | |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 Sample Not Analyzed | | | | | |
| 1445972 49-CB-A | Cove Base | Black Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445972 49-CB-A | Adhesive | Brown Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |

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Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-----------------|------------------------------------|------------------|----------------|-------------------|
| 1445973 49-CB-B | Cove Base | Black Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445973 49-CB-B | Adhesive | Brown Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445974 49-CB-C | Cove Base | Black Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445974 49-CB-C | Adhesive | Brown Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445975 50-EJ-A | Expansion Joint | Black Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445975 50-EJ-A | Expansion Joint | Gray Non-Fibrous Homogenous | | PLM 97% Other | PLM 3% Chrysotile |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |

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Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-----------------|------------------------------------|------------------|----------------|-------------------|
| 1445976 50-EJ-B | Expansion Joint | Black Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445976 50-EJ-B | | Positive Stop | | | |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 Layer Not Analyzed | | | | | |
| 1445977 50-EJ-C | Expansion Joint | Black Fibrous Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445977 50-EJ-C | | Positive Stop | | | |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 Layer Not Analyzed | | | | | |
| 1445978 51-EC-A | Exterior Caulk | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445979 51-EC-B | Exterior Caulk | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |

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| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|----------------|------------------------------------|---------------------|----------------|-------------------|
| 1445980 51-EC-C | Exterior Caulk | White Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445981 52-WG-A | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445982 52-WG-B | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445983 52-WG-C | Window Glaze | White Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445984 53-HS-A | Heat Shield | White Fibrous Homogenous | PLM 100% Fiberglass | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445985 53-HS-B | Heat Shield | White Fibrous Homogenous | PLM 100% Fiberglass | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--|-----------------|-----------------------------------|---------------------|---------------|-------------------|
| 1445986 53-HS-C | Heat Shield | White Fibrous Homogenous | PLM 100% Fiberglass | | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445987 54-BM-A | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445988 54-BM-B | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445989 54-BM-C | Brick Mortar | Gray Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445990 55-PI-A | Pipe Insulation | Gray Fibrous Non-Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445991 55-PI-B | Pipe Insulation | Gray Fibrous Non-Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|-----------------|------------------------------------|------------------|----------------|--------------------|
| 1445992 55-PI-C | Pipe Insulation | Gray Fibrous Non-Homogenous | PLM 5% Cellulose | PLM 95% Other | PLM None Detected |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445993 56-TS-A | Transite Pipe | Gray Fibrous Homogenous | | PLM 40% Other | PLM 60% Chrysotile |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445994 56-TS-B | | Positive Stop | | | |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 Sample Not Analyzed | | | | | |
| 1445995 56-TS-C | | Positive Stop | | | |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 Sample Not Analyzed | | | | | |
| 1445996 57-FT-A | Floor Tile | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445996 57-FT-A | Mastic | Black Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |

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Polarized Light Microscopy Asbestos Analysis Report

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

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|--------------|------------------------------------|-------------------|----------------|-------------------|
| 1445997 57-FT-B | Floor Tile | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445997 57-FT-B | Mastic | Black Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445998 57-FT-C | Floor Tile | Beige Non-Fibrous Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445998 57-FT-C | Mastic | Black Non-Fibrous Homogenous | | PLM 100% Other | PLM None Detected |
| Layer-2 Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1445999 58-RC-A | Roofing Core | Brown Fibrous Non-Homogenous | PLM 15% Cellulose | PLM 80% Other | PLM 5% Chrysotile |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1446000 58-RC-B | | Positive Stop | | | |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 Sample 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 : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|-------------|--------------------------------|-----------|---------------|--------------------|
| 1446001 58-RC-C | | Positive Stop | | | |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 Sample Not Analyzed | | | | | |
| 1446002 58-RC-D | | Positive Stop | | | |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 Sample Not Analyzed | | | | | |
| 1446003 58-RC-E | | Positive Stop | | | |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 Sample Not Analyzed | | | | | |
| 1446004 58-RC-F | | Positive Stop | | | |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 Sample Not Analyzed | | | | | |
| 1446005 59-FD-A | Fire Door | White Fibrous Homogenous | | PLM 90% Other | PLM 10% Chrysotile |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 | | | | | |
| 1446006 59-FD-B | | Positive Stop | | | |
| Analyst: Emmett Zainea Date Analyzed : 01/23/2023 Sample Not Analyzed | | | | | |

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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 : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023

Location : City of Kalamazoo
328 E Stockbridge, Kalamazoo, MI 49001

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

| | | | | | |
|--------------------|--|----------------|--|--|--|
| 1446007 59-FD-C | | Sample Missing | | | |
|--------------------|--|----------------|--|--|--|

Analyst: Emmett Zainea
Date Analyzed : 01/23/2023
Sample Not Analyzed

| | | | | | |
|--------------------|-----------|--------------------------------|--------------------|--|-------------------|
| 1446008 60-FD-A | Fire Door | Brown Fibrous Homogenous | PLM 100% Cellulose | | PLM None Detected |
|--------------------|-----------|--------------------------------|--------------------|--|-------------------|

Analyst: Emmett Zainea
Date Analyzed : 01/23/2023

| | | | | | |
|--------------------|-----------|--------------------------------|--------------------|--|-------------------|
| 1446009 60-FD-B | Fire Door | Brown Fibrous Homogenous | PLM 100% Cellulose | | PLM None Detected |
|--------------------|-----------|--------------------------------|--------------------|--|-------------------|

Analyst: Emmett Zainea
Date Analyzed : 01/23/2023

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Polarized Light Microscopy Asbestos Analysis Report


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

ETL Job : 254184
Client Project : 188BS23004
Date Collected : 01/11/2023
Date Received : 01/18/2023


Location : City of Kalamazoo
 328 E Stockbridge, Kalamazoo, MI 49001

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|--------------------|-------------|----------------|-----------|---------------|------------|
| 1446010 60-FD-C | | Sample Missing | | | |

Analyst: Emmett Zainea
 Date Analyzed : 01/23/2023
 Sample Not Analyzed


 Lab Supervisor/Other Signatory

Analyst:


 Alex Noble


 Emmett Zainea


 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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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 #: 254184

| | | |
|---|---------------------|--|
| Client: Atlas Technical Consultants | Contact: Rob Smith | Project: CITY OF KALAMAZOO - 328 E Location/name: STOCKBRIDGE, KALAMAZOO, MI 49001 |
| | Phone: 248-669-5140 | |
| Address: 46555 Humboldt Dr. Ste. 100 Novi, MI 48377 | Fax: 248-669-5147 | Client Project #: 188BS23004 |
| | E-mail: | Date Sampled: 1.11.2023 |

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>Clearly mark Homogenous 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

| Lab ID | Sample ID | Material Description | Sample Location | Quantity |
|---------|-----------|--|-----------------|----------|
| 1445828 | 1-CC-A | Concrete chip - Exterior concrete | EA-1 | NA |
| 829 | 1-CC-B | Concrete chip - Exterior concrete | EA-2 | NA |
| 830 | 1-CC-C | Concrete chip - Exterior concrete | EA-4 | NA |
| 831 | 2-CC-A | Concrete chip - poured building foundation | FS-2 | NA |
| 832 | 2-CC-B | Concrete chip - poured building foundation | FS-5 | NA |
| 833 | 2-CC-C | Concrete chip - poured building foundation | FS-15 | NA |
| 834 | 3-CC-A | Concrete chip - raised pad for former boiler | FS-4 | NA |
| 835 | 3-CC-B | Concrete chip - raised pad for former boiler | FS-4 | NA |
| 836 | 3-CC-C | Concrete chip - raised pad for former boiler | FS-4 | NA |
| 837 | 4-FL-A | Floor leveller, white | FS-2 | NA |
| 838 | 4-FL-B | Floor leveller, white | FS-2 | NA |
| 839 | 4-FL-C | Floor leveller, white | FS-2 | NA |

| | Date | Time |
|---|---------|------------|
| Relinquished (Name/Organization): Andrew DeLodder / Atlas | 1-12-23 | 1600 am/pm |
| Received (Name/ETL): <i>Boena Separtito</i> | 1-18-23 | 8:00 am/pm |
| Sample Login (Name/ETL): <i>Boena Separtito</i> | 1-18-23 | 8:30 am/pm |
| Stereoscopic/Sample Analysis (Name/ETL): <i>[Signature]</i> | 1-23-23 | 2:01 am/pm |
| Results (Name/ETL): <i>[Signature]</i> | 1-23-23 | 2:01 am/pm |
| QA/QC Review (Name/ETL): <i>Boena Separtito</i> | 1-23-23 | 3:15 am/pm |

| | |
|---|---------|
| <p>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</p> | 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

38900 HURON RIVER DRIVE
 ROMULUS, MICHIGAN 48174
 (734) 955-6600
 FAX: (734) 992-2261

**Bulk Asbestos
 Chain of Custody**

ETL Project #: 254184

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 |
|---------|-----------|---|-----------------|----------|
| 1445840 | 5-FL-A | Floor leveller, grey | FS-2 | NA |
| 841 | 5-FL-B | Floor leveller, grey | FS-2 | NA |
| 842 | 5-FL-C | Floor leveller, grey | FS-2 | NA |
| 843 | 6-BM-A | Brick mortar - CMU block | FS-5 | NA |
| 844 | 6-BM-B | Brick mortar - CMU block | FS-9 | NA |
| 845 | 6-BM-C | Brick mortar - CMU block | FS-15 | NA |
| 846 | 7-BM-A | Brick mortar - brick wall | EA-1 | NA |
| 847 | 7-BM-B | Brick mortar - brick wall | EA-4 | NA |
| 848 | 7-BM-C | Brick mortar - brick wall | EA-4 | NA |
| 849 | 8-BM-A | Brick mortar - glazed ceramic brick, beige | FS-1 | NA |
| 850 | 8-BM-B | Brick mortar - glazed ceramic brick, beige | FS-2 | NA |
| 851 | 8-BM-C | Brick mortar - glazed ceramic brick, beige | FS-15 | NA |
| 852 | 9-EJ-A | Expansion joint- black paper between floor and exterior walls | FS-4 | NA |
| 853 | 9-EJ-B | Expansion joint- black paper between floor and exterior walls | FS-4 | NA |
| 854 | 9-EJ-C | Expansion joint- black paper between floor and exterior walls | FS-5 | NA |
| 855 | 10-WBS-A | Wallboard system | FS-2 | NA |
| 856 | 10-WBS-B | Wallboard system | FS-2 | NA |
| 857 | 10-WBS-C | Wallboard system | FS-15 | NA |
| 858 | 11-IC-A | Interior caulk - grey, between knee-wall and window frame | EA-1 | NA |
| 859 | 11-IC-B | Interior caulk - grey, between knee-wall and window frame | FS-1 | NA |
| 860 | 11-IC-C | Interior caulk - grey, between knee-wall and window frame | FS-1 | NA |
| 861 | 12-IC-A | Interior caulk -beige, brittle, on glazed brick | FS-1 | NA |
| 862 | 12-IC-B | Interior caulk -beige, brittle, on glazed brick | FS-2 | NA |
| 863 | 12-IC-C | Interior caulk -beige, brittle, on glazed brick | FS-15 | NA |
| 864 | 13-IC-A | Interior caulk - bight white, around sinks and toilets | FS-11 | NA |
| 865 | 13-IC-B | Interior caulk - bight white, around sinks and toilets | FS-12 | NA |
| 866 | 13-IC-C | Interior caulk - bight white, around sinks and toilets | FS-12 | NA |

ETL Project #: **254184**

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 |
|---------|-----------|--|-----------------|----------|
| 1445867 | 14-IC-A | Interior caulk - white, soft, around steel door frames | FS-5 | NA |
| 868 | 14-IC-B | Interior caulk - white, soft, around steel door frames | FS-10 | NA |
| 869 | 14-IC-C | Interior caulk - white, soft, around steel door frames | FS-10 | NA |
| 870 | 15-IC-A | Interior caulk - beige and brittle, between steel door frame and CMU block | FS-5 | NA |
| 871 | 15-IC-B | Interior caulk - beige and brittle, between steel door frame and CMU block | FS-5 | NA |
| 872 | 15-IC-C | Interior caulk - beige and brittle, between steel door frame and CMU block | FS-2 | NA |
| 873 | 16-IC-A | Interior caulk - beige, on wood trim around the snack shack counter | FS-2 | NA |
| 874 | 16-IC-B | Interior caulk - beige, on wood trim around the snack shack counter | FS-2 | NA |
| 875 | 16-IC-C | Interior caulk - beige, on wood trim around the snack shack counter | FS-2 | NA |
| 876 | 17-IC-A | Interior caulk - greenish grey, on metal HVAC seams | FS-2 | NA |
| 877 | 17-IC-B | Interior caulk - greenish grey, on metal HVAC seams | FS-2 | NA |
| 878 | 17-IC-C | Interior caulk - greenish grey, on metal HVAC seams | FS-2 | NA |
| 879 | 18-IC-A | Interior caulk - off-white, on metal support poles in kitchen | FS-3 | NA |
| 880 | 18-IC-B | Interior caulk - off-white, on metal support poles in kitchen | FS-3 | NA |
| 881 | 18-IC-C | Interior caulk - off-white, on metal support poles in kitchen | FS-3 | NA |
| 882 | 19-CA-A | Construction adhesive - beige, under wallboard on glazed brick | FS-1 | NA |
| 883 | 19-CA-B | Construction adhesive - beige, under wallboard on glazed brick | FS-1 | NA |
| 884 | 19-CA-C | Construction adhesive - beige, under wallboard on glazed brick | FS-2 | NA |
| 885 | 20-CA-A | Construction adhesive - beige, under kitchen wall panels | FS-3 | NA |
| 886 | 20-CA-B | Construction adhesive - beige, under kitchen wall panels | FS-3 | NA |
| 887 | 20-CA-C | Construction adhesive - beige, under kitchen wall panels | FS-3 | NA |
| 888 | 21-CA-A | Construction adhesive - orange, seams of stainless steel panels | FS-3 | NA |
| 889 | 21-CA-B | Construction adhesive - orange, seams of stainless steel panels | FS-3 | NA |
| 890 | 21-CA-C | Construction adhesive - orange, seams of stainless steel panels | FS-3 | NA |
| 891 | 22-CA-A | Construction adhesive - around perimeter of sink base | FS-5 | NA |
| 892 | 22-CA-B | Construction adhesive - around perimeter of sink base | FS-5 | NA |
| 893 | 22-CA-C | Construction adhesive - around perimeter of sink base | FS-5 | NA |

ETL Project #: **254184**

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 |
|---------|-----------|--|-----------------|----------|
| 1445894 | 23-CM-A | Carpet mastic - 18" brown carpet tiles, beige mastic | FS-2 | NA |
| 895 | 23-CM-B | Carpet mastic - 18" brown carpet tiles, beige mastic | FS-2 | NA |
| 896 | 23-CM-C | Carpet mastic - 18" brown carpet tiles, beige mastic | FS-2 | NA |
| 897 | 24-CM-A | Carpet mastic - beige under blue carpet | FS-13 | NA |
| 898 | 24-CM-B | Carpet mastic - beige under blue carpet | FS-13 | NA |
| 899 | 24-CM-C | Carpet mastic - beige under blue carpet | FS-14 | NA |
| 900 | 25-CM-A | Carpet mastic - beige under brown carpet | FS-16 | NA |
| 901 | 25-CM-B | Carpet mastic - beige under brown carpet | FS-16 | NA |
| 902 | 25-CM-C | Carpet mastic - beige under brown carpet | FS-17 | NA |
| 903 | 26-CP-A | Ceiling panel - 2'x4', Styrofoam with sprayed coating on top | FS-2 | NA |
| 904 | 26-CP-B | Ceiling panel - 2'x4', Styrofoam with sprayed coating on top | FS-13 | NA |
| 905 | 26-CP-C | Ceiling panel - 2'x4', Styrofoam with sprayed coating on top | FS-14 | NA |
| 906 | 27-CP-A | Ceiling panel - 2'x4', white, small pinhole and fissure | FS-13 | NA |
| 907 | 27-CP-B | Ceiling panel - 2'x4', white, small pinhole and fissure | FS-13 | NA |
| 908 | 27-CP-C | Ceiling panel - 2'x4', white, small pinhole and fissure | FS-13 | NA |
| 909 | 28-CP-A | Ceiling panel - 2'x4', white, large pinhole and fissure | FS-14 | NA |
| 910 | 28-CP-B | Ceiling panel - 2'x4', white, large pinhole and fissure | FS-14 | NA |
| 911 | 28-CP-C | Ceiling panel - 2'x4', white, large pinhole and fissure | FS-14 | NA |
| 912 | 29-CP-A | Ceiling panel - 2'x4' art deco pattern | FS-3 | NA |
| 913 | 29-CP-B | Ceiling panel - 2'x4' art deco pattern | FS-3 | NA |
| 914 | 29-CP-C | Ceiling panel - 2'x4' art deco pattern | FS-3 | NA |
| 915 | 30-CB-A | Cove base - 4" brown vinyl with adhesive | FS-2 | NA |
| 916 | 30-CB-B | Cove base - 4" brown vinyl with adhesive | FS-2 | NA |
| 917 | 30-CB-C | Cove base - 4" brown vinyl with adhesive | FS-2 | NA |
| 918 | 31-CB-A | Cove base - 4" grey vinyl with adhesive | FS-3 | NA |
| 919 | 31-CB-B | Cove base - 4" grey vinyl with adhesive | FS-16 | NA |
| 920 | 31-CB-C | Cove base - 4" grey vinyl with adhesive | FS-17 | NA |

ETL Project #: 254184

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 |
|---------|-----------|---|-----------------|----------|
| 1445921 | 32-CB-A | Cove base - 4" blue vinyl with adhesive | FS-13 | NA |
| 922 | 32-CB-B | Cove base - 4" blue vinyl with adhesive | FS-13 | NA |
| 923 | 32-CB-C | Cove base - 4" blue vinyl with adhesive | FS-13 | NA |
| 924 | 33-CB-A | Cove base - 4" dark grey vinyl with adhesive | FS-14 | NA |
| 925 | 33-CB-B | Cove base - 4" dark grey vinyl with adhesive | FS-14 | NA |
| 926 | 33-CB-C | Cove base - 4" dark grey vinyl with adhesive | FS-14 | NA |
| 927 | 34-SU-A | Sink undercoating - yellowish white | FS-3 | NA |
| 928 | 34-SU-B | Sink undercoating - yellowish white | FS-3 | NA |
| 929 | 34-SU-C | Sink undercoating - yellowish white | FS-3 | NA |
| 930 | 35-BMA-A | Black mastic - exposed black mastic | FS-1 | NA |
| 931 | 35-BMA-B | Black mastic - exposed black mastic | FS-2 | NA |
| 932 | 35-BMA-C | Black mastic - exposed black mastic | FS-15 | NA |
| 933 | 36-FT-A | Floor tile - 9" pink with faint grey streaks, and mastic | FS-2 | NA |
| 934 | 36-FT-B | Floor tile - 9" pink with faint grey streaks, and mastic | FS-2 | NA |
| 935 | 36-FT-C | Floor tile - 9" pink with faint grey streaks, and mastic | FS-2 | NA |
| 936 | 37-FT-A | Floor tile - 9" green with faint grey streaks, and mastic | FS-2 | NA |
| 937 | 37-FT-B | Floor tile - 9" green with faint grey streaks, and mastic | FS-2 | NA |
| 938 | 37-FT-C | Floor tile - 9" green with faint grey streaks, and mastic | FS-2 | NA |
| 939 | 38-FT-A | Floor tile - 9" - off-white with faint grey streaks, and mastic | FS-2 | NA |
| 940 | 38-FT-B | Floor tile - 9" - off-white with faint grey streaks, and mastic | FS-6 | NA |
| 941 | 38-FT-C | Floor tile - 9" - off-white with faint grey streaks, and mastic | FS-7 | NA |
| 942 | 39-FT-A | Floor tile - 9" grey with white and black streaks, and mastic | FS-5 | NA |
| 943 | 39-FT-B | Floor tile - 9" grey with white and black streaks, and mastic | FS-5 | NA |
| 944 | 39-FT-C | Floor tile - 9" grey with white and black streaks, and mastic | FS-5 | NA |
| 945 | 40-FT-A | Floor tile - 12" off-white with grey streaks | FS-2 | NA |
| 946 | 40-FT-B | Floor tile - 12" off-white with grey streaks | FS-2 | NA |
| 947 | 40-FT-C | Floor tile - 12" off-white with grey streaks | FS-3 | NA |

ETL Project #: **254184**

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 |
|---------|-----------|--|-----------------|----------|
| 1445948 | 41-FT-A | Floor tile - 12" mottled light grey, dark grey, and mastic | FS-11 | NA |
| 949 | 41-FT-B | Floor tile - 12" mottled light grey, dark grey, and mastic | FS-11 | NA |
| 950 | 41-FT-C | Floor tile - 12" mottled light grey, dark grey, and mastic | FS-12 | NA |
| 951 | 42-PI-A | Pipe insulation - paper wrapped fiberglass | FS-4 | NA |
| 952 | 42-PI-B | Pipe insulation - paper wrapped fiberglass | FS-4 | NA |
| 953 | 42-PI-C | Pipe insulation - paper wrapped fiberglass | FS-4 | NA |
| 954 | 43-PF-A | Pipe fittings - fiberglass with plastic cover | FS-4 | NA |
| 955 | 43-PF-B | Pipe fittings - fiberglass with plastic cover | FS-4 | NA |
| 956 | 43-PF-C | Pipe fittings - fiberglass with plastic cover | FS-4 | NA |
| 957 | 44-RI-A | Rolled-in insulation - fiberglass HVAC duct, wrapped in grey plastic | FS-2 | NA |
| 958 | 44-RI-B | Rolled-in insulation - fiberglass HVAC duct, wrapped in grey plastic | FS-14 | NA |
| 959 | 44-RI-C | Rolled-in insulation - fiberglass HVAC duct, wrapped in grey plastic | FS-16 | NA |
| 960 | 45-RI-A | Rolled-in insulation - yellow fiberglass, no paper | FS-2 | NA |
| 961 | 45-RI-B | Rolled-in insulation - yellow fiberglass, no paper | FS-2 | NA |
| 962 | 45-RI-C | Rolled-in insulation - yellow fiberglass, no paper | FS-2 | NA |
| 963 | 46-RI-A | Rolled-in insulation - foil wrapped HVAC duct | FS-2 | NA |
| 964 | 46-RI-B | Rolled-in insulation - foil wrapped HVAC duct | FS-4 | NA |
| 965 | 46-RI-C | Rolled-in insulation - foil wrapped HVAC duct | FS-15 | NA |
| 966 | 47-VD-A | Vibration dampener - beige canvas | FS-5 | NA |
| 967 | 47-VD-B | Vibration dampener - beige canvas | FS-5 | NA |
| 968 | 47-VD-C | Vibration dampener - beige canvas | FS-5 | NA |
| 969 | 48-HS-A | Heat shield - white, between panels on HVAC fan | FS-1 | NA |
| 970 | 48-HS-B | Heat shield - white, between panels on HVAC fan | FS-1 | NA |
| 971 | 48-HS-C | Heat shield - white, between panels on HVAC fan | FS-1 | NA |
| 972 | 49-CB-A | Cove base - 4" black vinyl with adhesive | FS-5 | NA |
| 973 | 49-CB-B | Cove base - 4" black vinyl with adhesive | FS-6 | NA |
| 974 | 49-CB-C | Cove base - 4" black vinyl with adhesive | FS-9 | NA |

**Bulk Asbestos
 Chain of Custody**

ETL Project #: **254184**

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 |
|---------|-----------|--|-------------------|----------|
| 1445975 | 50-EJ-A | Expansion joint - CMU block | EA-1 | NA |
| 976 | 50-EJ-B | Expansion joint - CMU block | EA-1 | NA |
| 977 | 50-EJ-C | Expansion joint - CMU block | EA-3 | NA |
| 978 | 51-EC-A | Exterior caulk - white, around door frames | EA-3 | NA |
| 979 | 51-EC-B | Exterior caulk - white, around door frames | EA-3 | NA |
| 980 | 51-EC-C | Exterior caulk - white, around door frames | EA-3 | NA |
| 981 | 52-WG-A | Window glaze - white | EA-4 | NA |
| 982 | 52-WG-B | Window glaze - white | EA-4 | NA |
| 983 | 52-WG-C | Window glaze - white | EA-4 | NA |
| 984 | 53-HS-A | Heat shield - fiberglass, in light fixture | EA-1 | NA |
| 985 | 53-HS-B | Heat shield - fiberglass, in light fixture | EA-4 | NA |
| 986 | 53-HS-C | Heat shield - fiberglass, in light fixture | EA-4 | NA |
| 987 | 54-BM-A | Brick mortar - around pipe penetrations | EA-1 | NA |
| 988 | 54-BM-B | Brick mortar - around pipe penetrations | EA-2 | NA |
| 989 | 54-BM-C | Brick mortar - around pipe penetrations | EA-3 | NA |
| 990 | 55-PI-A | Pipe insulation - grey goopy wrap | EA-1 | NA |
| 991 | 55-PI-B | Pipe insulation - grey goopy wrap | EA-1 | NA |
| 992 | 55-PI-C | Pipe insulation - grey goopy wrap | EA-1 | NA |
| 993 | 56-TS-A | Transite pipe, under foundation | FS-5 | NA |
| 994 | 56-TS-B | Transite pipe, under foundation | FS-5 | NA |
| 995 | 56-TS-C | Transite pipe, under foundation | FS-5 | NA |
| 996 | 57-FT-A | Floor tile - 9" beige with red streaks | FS-2 | NA |
| 997 | 57-FT-B | Floor tile - 9" beige with red streaks | FS-2 | NA |
| 998 | 57-FT-C | Floor tile - 9" beige with red streaks | FS-2 | NA |
| 999 | 58-RC-A | Roofing core | EA-5 (LOWER ROOF) | NA |
| 000 | 58-RC-B | Roofing core | EA-5 (LOWER ROOF) | NA |
| 001 | 58-RC-C | Roofing core | EA-5 (LOWER ROOF) | NA |

**Bulk Asbestos
 Chain of Custody**

ETL Project #: 254184

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 |
|---------|-----------|---|-------------------|----------|
| 1446002 | 58-RC-D | Roofing core | EA-5 (UPPER ROOF) | NA |
| 003 | 58-RC-E | Roofing core | EA-5 (UPPER ROOF) | NA |
| 004 | 58-RC-F | Roofing core | EA-5 (UPPER ROOF) | NA |
| 005 | 59-FD-A | Fire door - metal door with white interior lining | EA-1 | NA |
| 006 | 59-FD-B | Fire door - metal door with white interior lining | EA-1 | NA |
| 007 | 59-FD-C | Fire door - metal door with white interior lining | EA-1 | NA |
| 008 | 60-FD-A | Fire door - metal door with corrugated paper lining | EA-3 | NA |
| 009 | 60-FD-B | Fire door - metal door with corrugated paper lining | EA-3 | NA |
| 010 | 60-FD-C | Fire door - metal door with corrugated paper lining | EA-3 | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |
| | NA | NA | NA | NA |

missing samples

ATTACHMENT B
PHOTOGRAPHS

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



Street view of the commercial property at 328 E Stockbridge

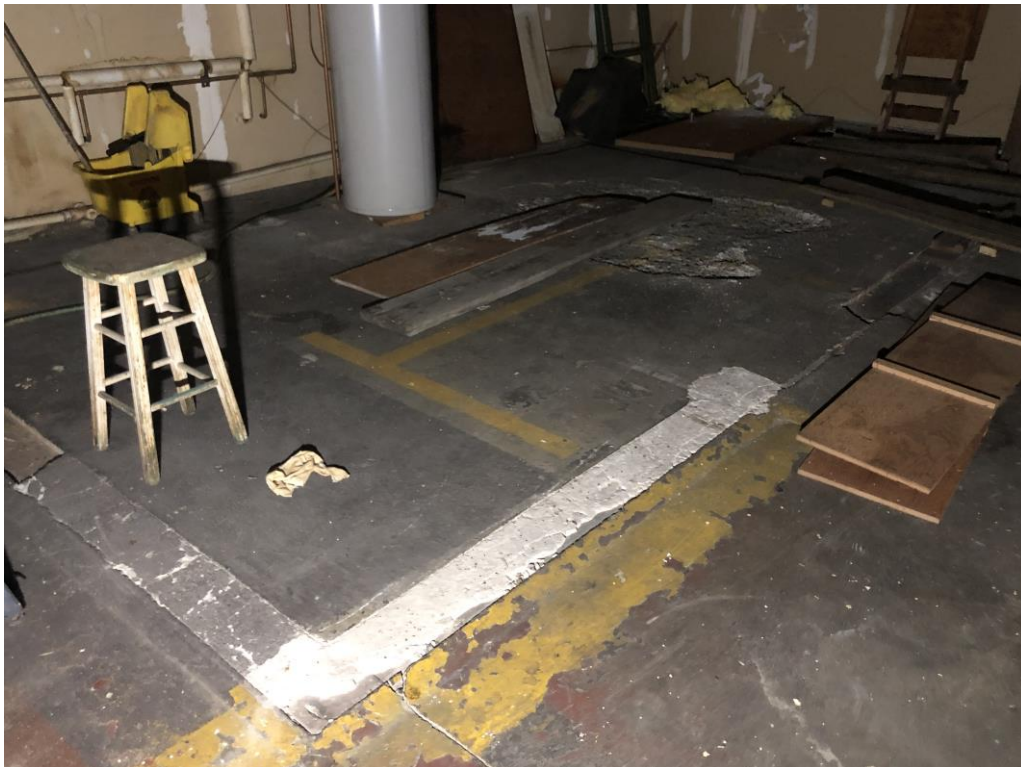


View of HA-1

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



View of HA-2



View of HA-3

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



View of HA-4



View of HA-5

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
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KALAMAZOO, MI 49001



View of HA-6



View of HA-7

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



View of HA-8



View of HA-9

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



View of HA-10



View of HA-11

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



View of HA-12



View of HA-13

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



View of HA-14



View of HA-15

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



View of HA-16



View of HA-17

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



View of HA-18



View of HA-19

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VACANT COMMERCIAL PROPERTY
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KALAMAZOO, MI 49001



View of HA-20



View of HA-21

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



View of HA-22



View of HA-23

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



View of HA-24



View of HA-25

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



View of HA-26



View of HA-27

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
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KALAMAZOO, MI 49001



View of HA-28



View of HA-29

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KALAMAZOO, MI 49001



View of HA-30



View of HA-31

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View of HA-32



View of HA-33

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KALAMAZOO, MI 49001



View of HA-34



View of HA-35

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KALAMAZOO, MI 49001



View of HA-36



View of HA-37

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KALAMAZOO, MI 49001



View of HA-38



View of HA-39

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KALAMAZOO, MI 49001



View of HA-40



View of HA-41

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View of HA-42



View of HA-43

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View of HA-44



View of HA-45

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View of HA-46



View of HA-47

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View of HA-48



View of HA-49

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KALAMAZOO, MI 49001



View of HA-50



View of HA-51

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KALAMAZOO, MI 49001



View of HA-52



View of HA-53

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KALAMAZOO, MI 49001



View of HA-54



View of HA-55

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KALAMAZOO, MI 49001



View of HA-56



View of HA-57

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



View of HA-58



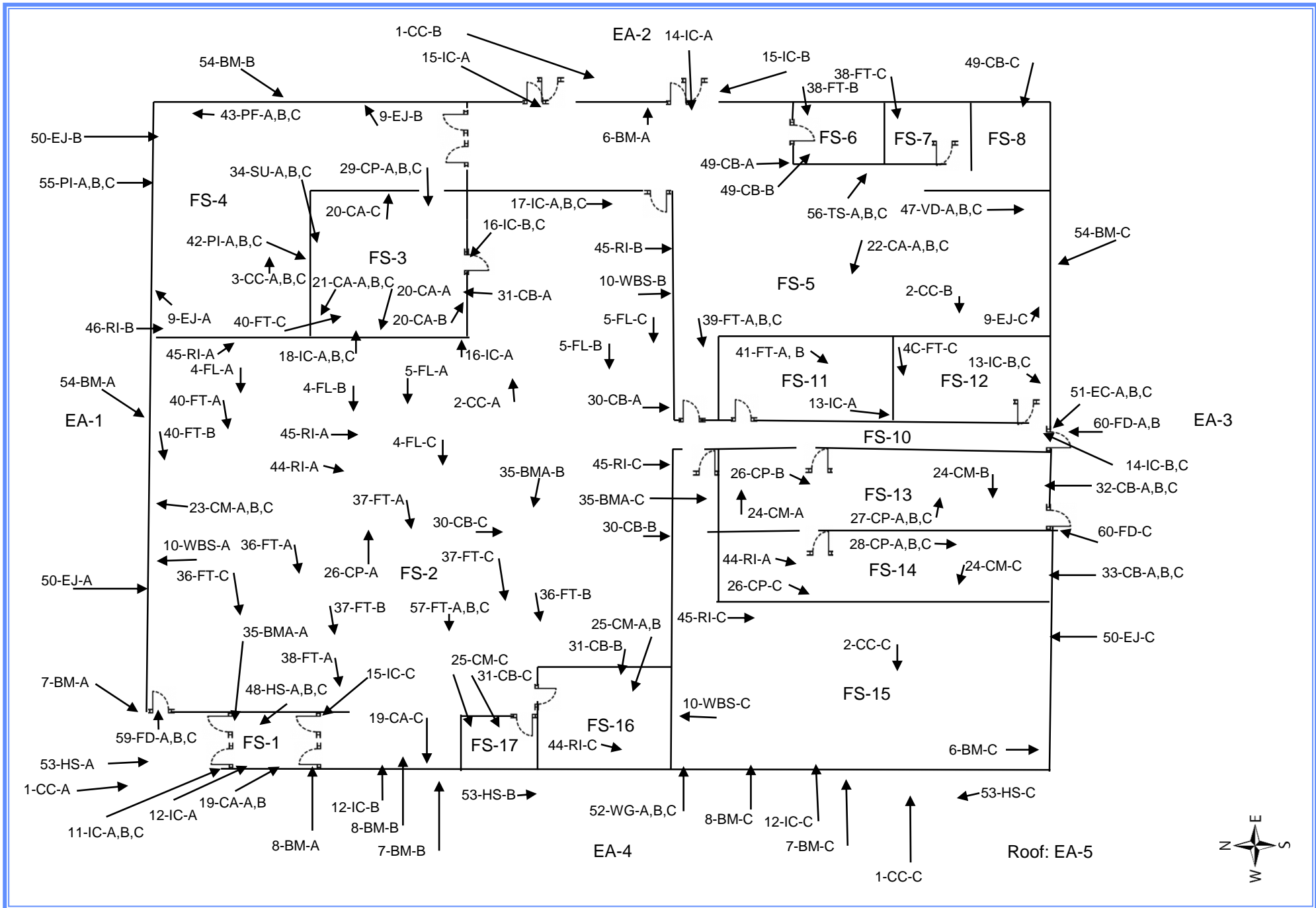
View of HA-59

ASBESTOS-CONTAINING MATERIAL SURVEY
VACANT COMMERCIAL PROPERTY
328 E STOCKBRIDGE
KALAMAZOO, MI 49001



View of HA-60

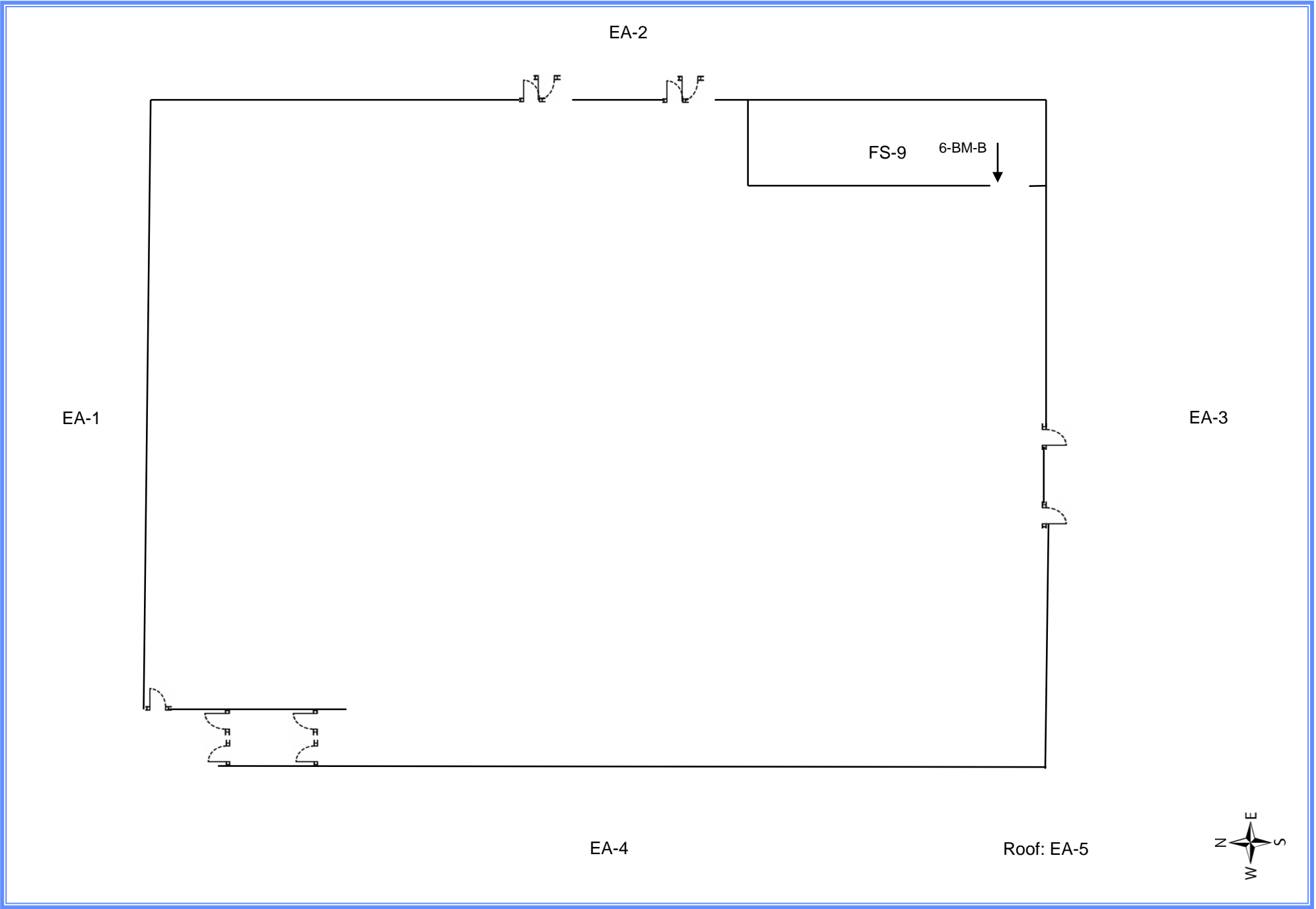
ATTACHMENT C
FUNCTIONAL SPACE MAPS



City of Kalamazoo
 Vacant commercial building
 328 E Stockbridge
 Kalamazoo, MI 49001

**Asbestos bulk
 Sampling Location Map
 Ground floor**

| | |
|---|-------------------|
| PROJECT NUMBER: 188BS23004 | FIGURE: |
| DRAWN BY: AHD | REVIEWED BY Atlas |
| | DATE: 1.10.2023 |
| 46555 Humboldt Drive, Suite 100 Novi, Michigan 48377 Ph: (248) 669-5140 - Fax: (248) 669-5147 | |



City of Kalamazoo
 Vacant commercial building
 328 E Stockbridge
 Kalamazoo, MI 49001

**Asbestos bulk
 Sampling Location Map
 Mezzanine level**

| | |
|---|-------------------|
| PROJECT NUMBER: 188BS23004 | FIGURE: |
| DRAWN BY: AHD | REVIEWED BY Atlas |
| | DATE: 1.10.2023 |
| 46555 Humboldt Drive, Suite 100 Novi, Michigan 48377 Ph: (248) 669-5140 ~ Fax: (248) 669-5147 | |

EA-2

EA-1

Roof: EA-5

EA-3

58-RC-F

58-RC-E

58-RC-D

58-RC-A

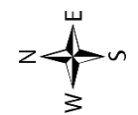
58-RC-B

58-RC-C

Map Key

= Sample Number
 ⊗ = Roofing Core

EA-4



City of Kalamazoo
 Vacant commercial building
 328 E Stockbridge
 Kalamazoo, MI 49001

**Asbestos bulk
 Sampling Location Map
 Roof**

| | |
|---|-------------------|
| PROJECT NUMBER: 188BS23004 | FIGURE: |
| DRAWN BY: AHD | REVIEWED BY Atlas |
| | DATE: 1.10.2023 |
| 46555 Humboldt Drive, Suite 100 Novi, Michigan 48377 Ph: (248) 669-5140 ~ Fax: (248) 669-5147 | |