



## ***Hazardous/Regulated Materials Survey and Inspection Report***



3889 / 3891 St. Clair Street  
Detroit, MI 48214

*Submitted by*



46555 Humboldt Drive, Suite 100  
Novi, MI 48377

*Date Submitted*

August 6, 2019

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## Executive Summary



| Survey Information               |                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------|
| Date of Survey/Inspection:       | July 23, 2019                                                                        |
| Date of Re-Inspection:           | NA                                                                                   |
| Project Name:                    | 2018 PSC 4.1.2019D                                                                   |
| Project Number:                  | 188BS19177                                                                           |
| Parcel ID #:                     | <b>21038979.</b><br>(Both Addresses Share Same Parcel No.)                           |
| Site Address:                    | 3889 / 3891 St. Clair Street, Detroit, MI 48214                                      |
| Survey Inspector:                | Charles D. Gheen                                                                     |
| Inspector ID#:                   | A34985                                                                               |
| Asbestos Inspector's Signature:  |  |
| Inspector Phone #:               | 248-669-5140                                                                         |
| Inspector E-mail:                | robert.smith@atcgs.com                                                               |
| Submitted by:                    | ATC Group Services LLC                                                               |
| Year Built:                      | 1912                                                                                 |
| # of Floors:                     | 2 – (w/ Attic, Basement)                                                             |
| Square Footage:                  | ~ 2,400 SF (Duplex)                                                                  |
| Construction Type:               | Wooden Frame w/ Wood Exterior                                                        |
| # of Buildings:                  | 1                                                                                    |
| Areas Not Accessible:            | All Areas of the Duplex were Accessible                                              |
| Asbestos Present (Yes/No/Other): | <b>YES</b>                                                                           |



### Asbestos-Containing Materials

| HA# & Sample # | Material                       | Functional Space / Exterior Area | Estimated Quantity | EPA Cat. (Friable, CAT I, CAT II) | Results                                                          |
|----------------|--------------------------------|----------------------------------|--------------------|-----------------------------------|------------------------------------------------------------------|
| 4-WG-A,B       | Window Glaze-1st,2nd,3rd Floor | EA 1-4                           | 23                 | Cat II                            | 2% Chrysotile – Tan (Layer 1)<br>2% Chrysotile – White (Layer 2) |
| 5-WG-A,B       | Window Glaze-Basement          | EA 2-4                           | 8                  | Cat II                            | 2% Chrysotile                                                    |
| 11-SC-A,B      | Stack Cement                   | FS 29A                           | 2 SF               | Cat II                            | 3% Chrysotile – Gray (Layer 1)<br>15% Chrysotile – (Layer 2)     |
| 12-SC-A,B      | Stack Cement                   | FS 29B                           | 2 SF               | Cat II                            | 30% Chrysotile                                                   |
| 13-HS-A,B,C    | Heat Shield                    | FS 28                            | 2 SF               | RACM                              | 30% Chrysotile                                                   |
| 15-MB-A,B,C    | Millboard                      | FS 27                            | 12 SF              | RACM                              | 35% Chrysotile                                                   |
| 16-DW-A,B      | Duct Wrap                      | FS 27,28                         | 6 SF               | RACM                              | 30% Chrysotile                                                   |
| 24-MLF-A,B     | Multi-Layered Flooring         | FS 18 Top Landing                | 40 SF              | Cat I                             | ND – White F.T.<br>15% Chrysotile – Orange F.T. (Layer 2)        |

\*See note in recommendations section regarding drywall and joint compound

### Assumed Asbestos-Containing Materials

| MATERIAL           | LOCATION | EPA CAT. FRIABLE CAT I CAT II | MAT. CLASS. TSI, SM, MM | ESTIMATED QUANTITY |
|--------------------|----------|-------------------------------|-------------------------|--------------------|
| None Were Observed |          |                               |                         |                    |

### Other Regulated Materials/Universal Wastes

| MATERIAL                                     | NOTES/LOCATION           | APPROXIMATE QUANTITY/SIZE | CONSTITUENT OF CONCERN |
|----------------------------------------------|--------------------------|---------------------------|------------------------|
| CRTs/ TV Screens/Monitors/Electronics        | FS-6, 8, 24, 25          | 5 Total                   | CRT's                  |
| Fluorescent Bulbs/Ballasts                   | FS-6, 8, 9, 10, 24, 25   | 10 Total                  | Mercury/PCB's          |
| Misc. Items (Glue, Solvents, Cleaners, etc.) | FS-27, 28                | 10 Total                  | Chemicals              |
| Paint Cans                                   | FS-27, 28                | 10 Total                  | Chemicals/Oils         |
| Natural Gas Regulator                        | FS-27, 28                | 3                         | Hg (Mercury)           |
| Unlabeled Containers (Drums, Totes)          | FS-27, 28                | 10 Total                  | UNK                    |
| Tires                                        | EA-1, 2, 3, 4; FS-27, 28 | ~15                       | Toxins/Petroleum       |

**CRT** = Cathode Ray Tube, **Hg** = Mercury, **CFC's** = Chlorofluorocarbons, **UNQ** = Unquantified; **UNK** = Unknown; **LEDs** = Mercury/Lead



### SUBJECT PROPERTY OBSERVATIONS

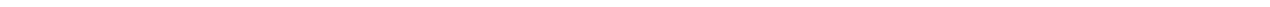
| ACCESS ISSUE                              | BASEMENT                                  | 1 <sup>st</sup> FLOOR | 2 <sup>nd</sup> FLOOR | ATTIC |
|-------------------------------------------|-------------------------------------------|-----------------------|-----------------------|-------|
| Areas of collapse and/or unsafe to enter  | None                                      | None                  | None                  | None  |
| Areas filled with debris greater than 50% | None                                      | None                  | None                  | None  |
| Recurring flooding within building?       | Yes / <input checked="" type="radio"/> No |                       |                       |       |
| Yard debris greater than 40 cubic yards?  | Yes / <input checked="" type="radio"/> No |                       |                       |       |

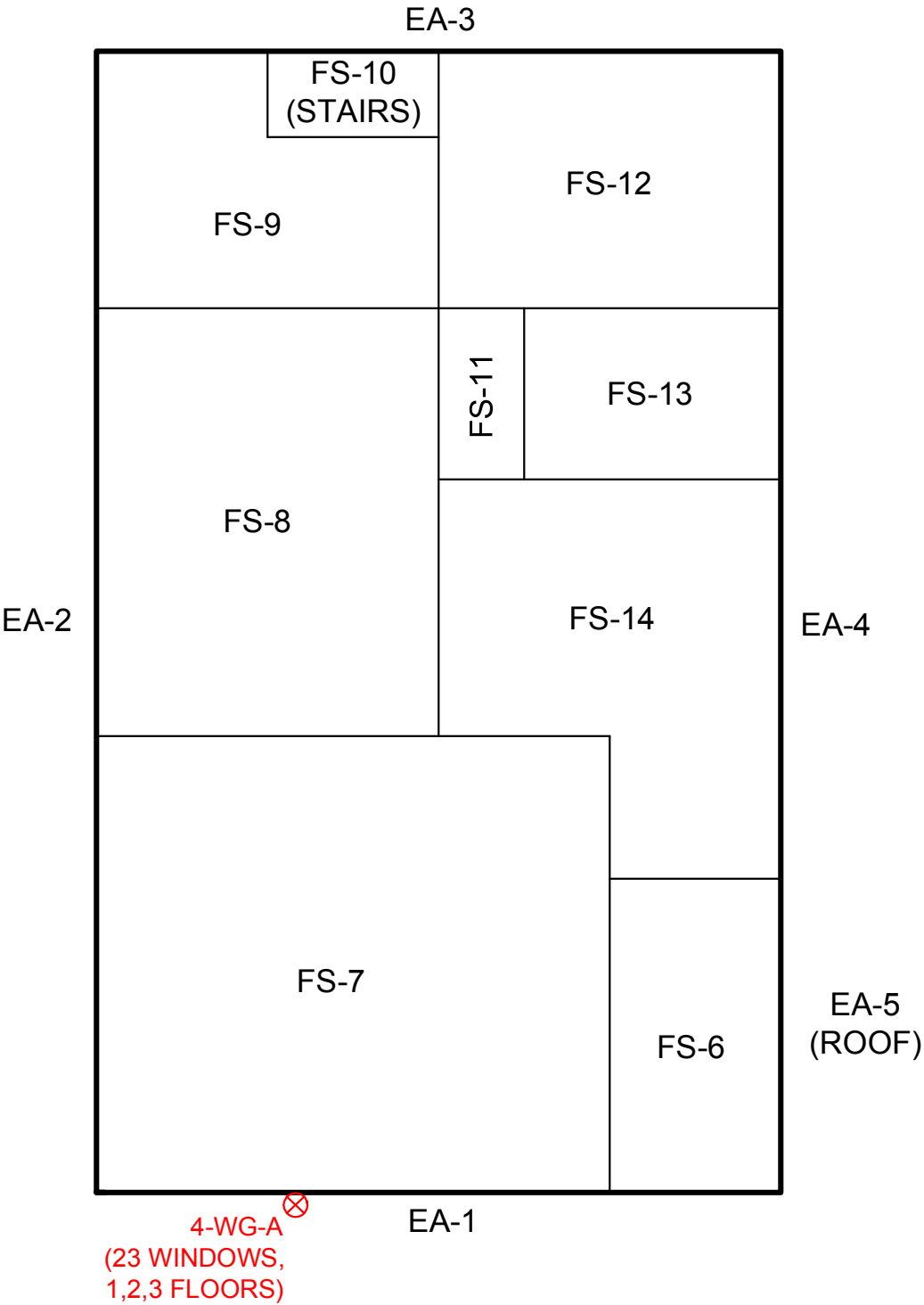
**\*Inaccessible areas are presumed to have asbestos-containing materials**

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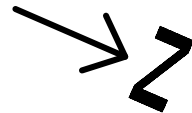


## **SITE DRAWINGS**





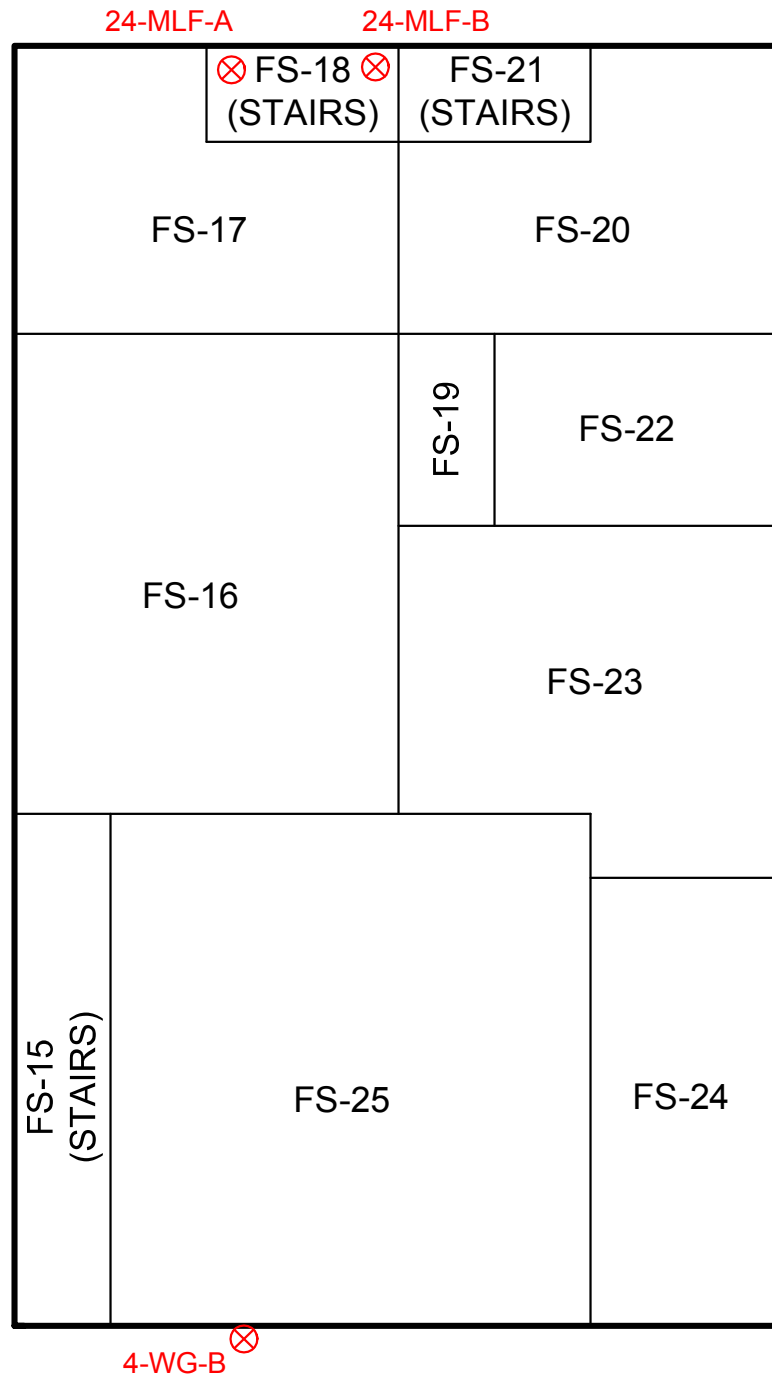
ST. CLAIR STREET



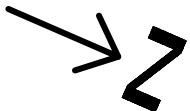
LEGEND:

-  POSITIVE SAMPLE LOCATION
- FS FUNCTIONAL SPACE
- EA EXTERIOR AREA





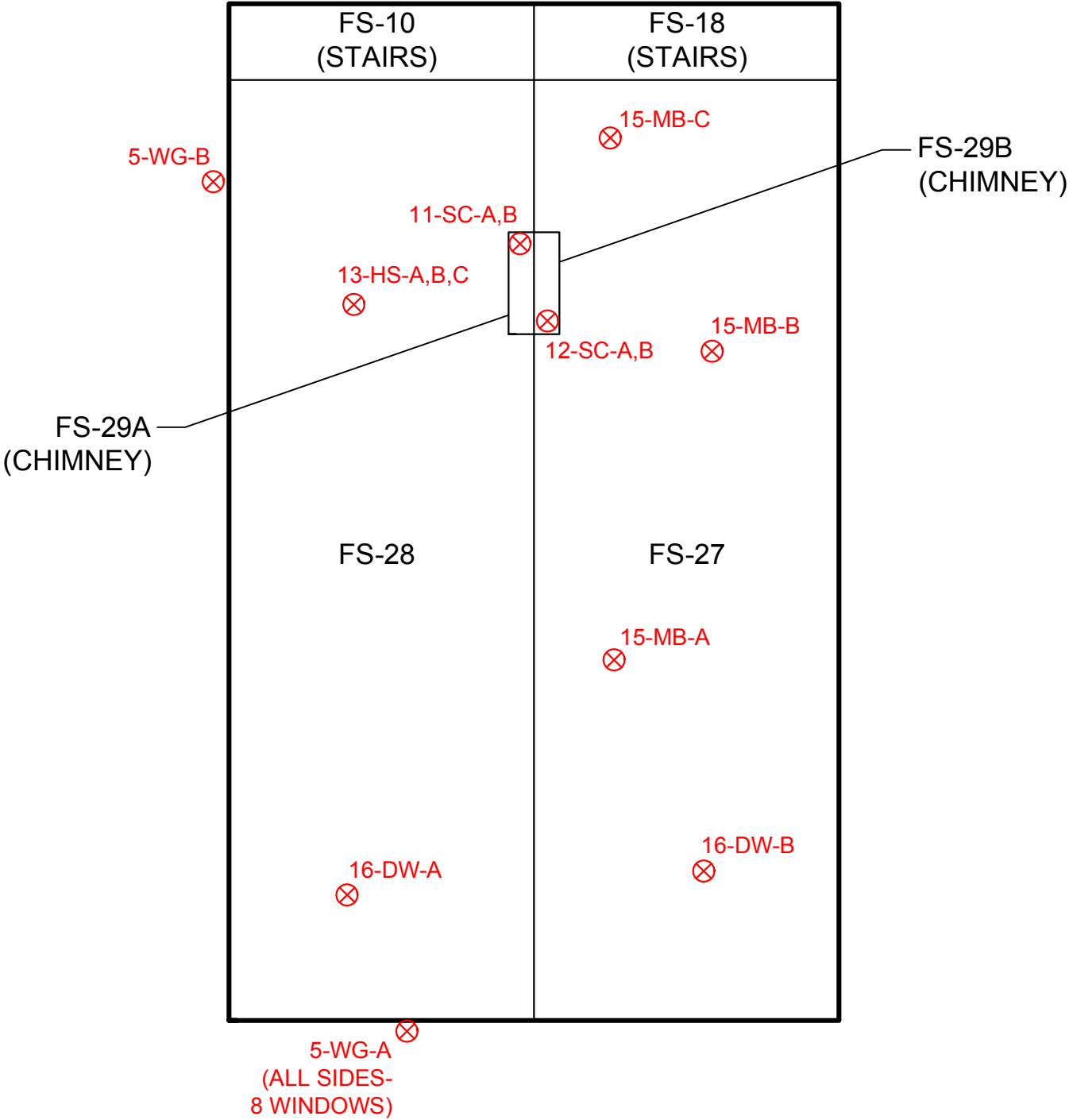
ST. CLAIR STREET



LEGEND:

-  POSITIVE SAMPLE LOCATION
- FS FUNCTIONAL SPACE

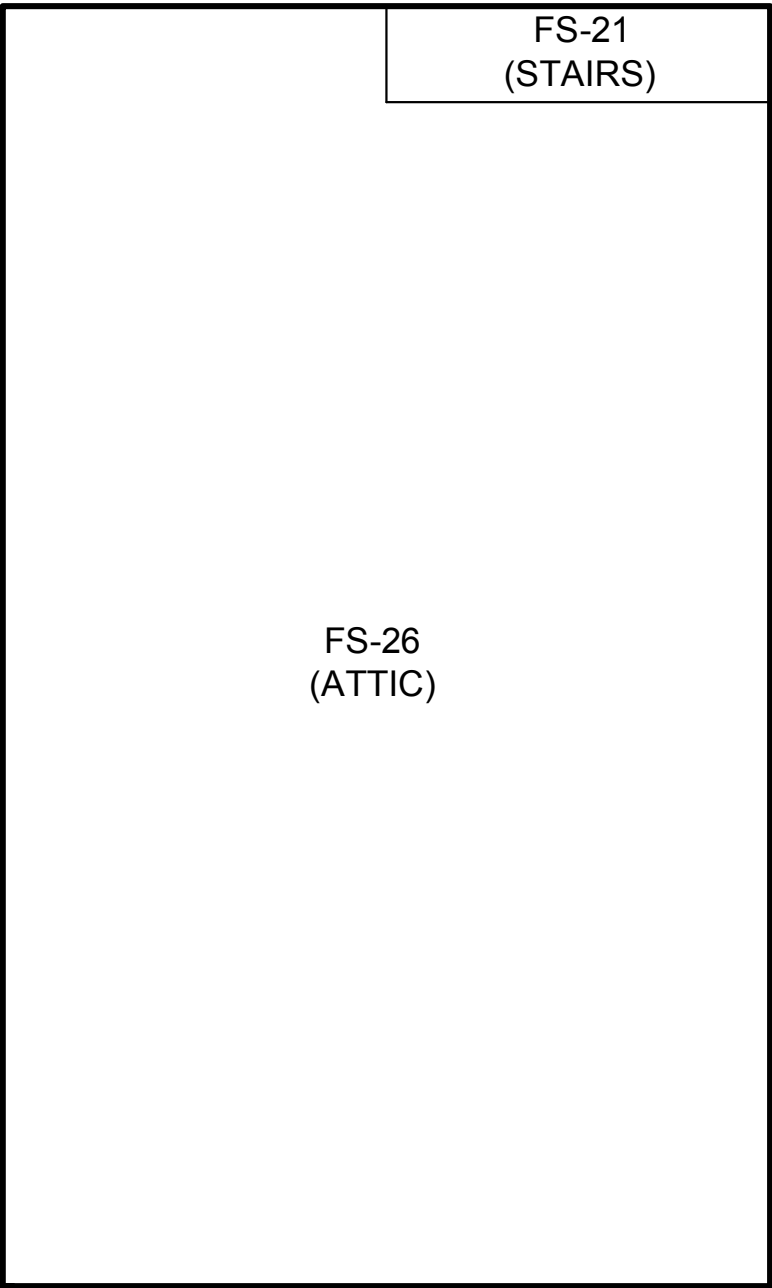




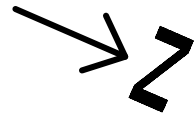
LEGEND:

- ⊗ POSITIVE SAMPLE  
LOCATION
- FS FUNCTIONAL SPACE





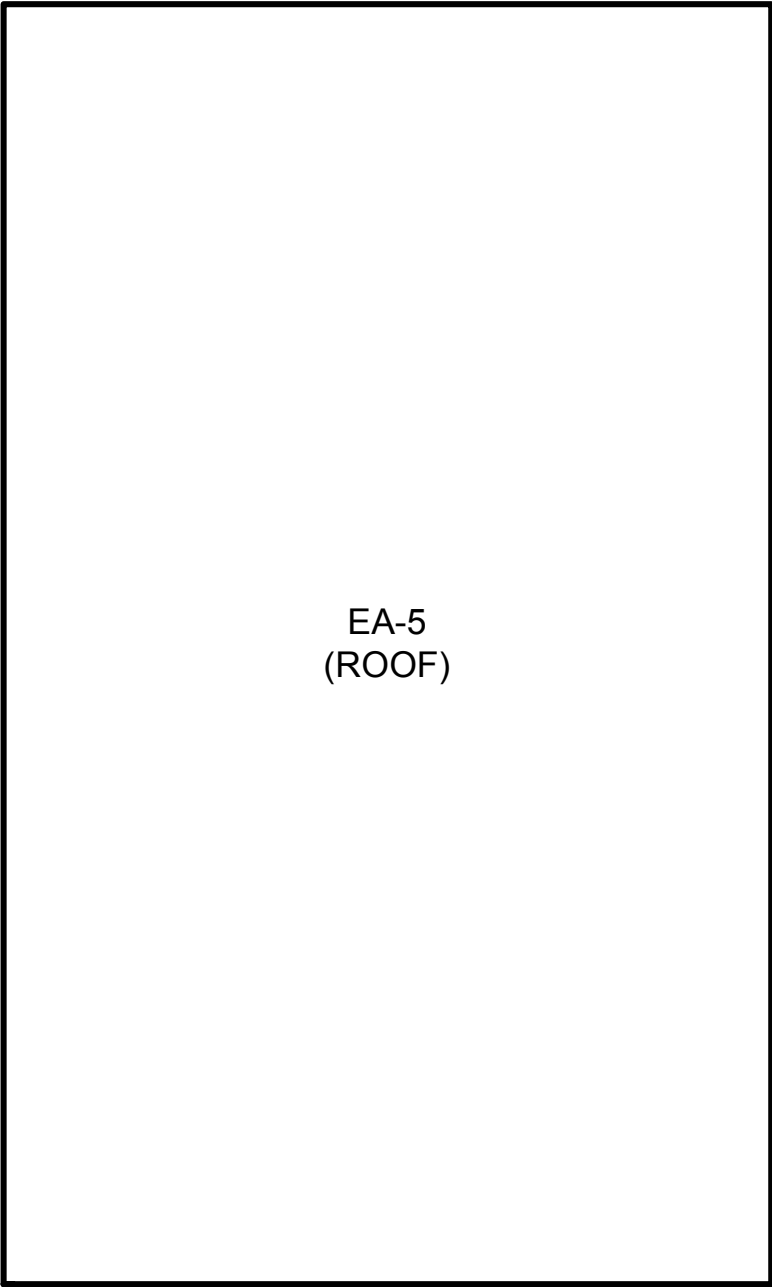
ST. CLAIR STREET



LEGEND:

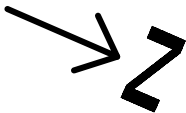
FS    FUNCTIONAL SPACE





EA-5  
(ROOF)

ST. CLAIR STREET



LEGEND:

EA    EXTERIOR AREA





## PHOTOGRAPHS



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

3889 / 3891 ST. CLAIR STREET  
DETROIT, MI 48214



Street view of the house located at 3889 / 3891 St. Clair Street (EA-1) and roof (EA-5)



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



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

3889 / 3891 ST. CLAIR STREET  
DETROIT, MI 48214



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



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



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

3889 / 3891 ST. CLAIR STREET  
DETROIT, MI 48214



View of FS-6 (1<sup>st</sup> floor)



View of FS-7 (1<sup>st</sup> floor)



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

3889 / 3891 ST. CLAIR STREET  
DETROIT, MI 48214



View of FS-8 (1<sup>st</sup> floor)



View of FS-9 (1<sup>st</sup> floor)



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

3889 / 3891 ST. CLAIR STREET  
DETROIT, MI 48214



View of FS-10 1<sup>st</sup> floor stairs to basement



View of FS-11 (1<sup>st</sup> floor)



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

3889 / 3891 ST. CLAIR STREET  
DETROIT, MI 48214



View of FS-12 (1<sup>st</sup> floor)



View of FS-13 (1<sup>st</sup> floor)



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

3889 / 3891 ST. CLAIR STREET  
DETROIT, MI 48214



View of FS-14 (1<sup>st</sup> floor)



View of FS-15 stairs to 2<sup>nd</sup> floor unit



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

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DETROIT, MI 48214



View of FS-16 (2<sup>nd</sup> floor unit)



View of FS-17 (2<sup>nd</sup> floor unit)



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

3889 / 3891 ST. CLAIR STREET  
DETROIT, MI 48214



View of FS-18 (2<sup>nd</sup> floor unit) – stairs to basement area



View of FS-19 (2<sup>nd</sup> floor unit)



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

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DETROIT, MI 48214



View of FS-20 (2<sup>nd</sup> floor unit)



View of FS-21 (2<sup>nd</sup> floor unit) – stairs to attic



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

3889 / 3891 ST. CLAIR STREET  
DETROIT, MI 48214



View of FS-22 (2<sup>nd</sup> floor unit)



View of FS-23 (2<sup>nd</sup> floor unit)



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

3889 / 3891 ST. CLAIR STREET  
DETROIT, MI 48214



View of FS-24 (2<sup>nd</sup> floor unit)



View of FS-25 (2<sup>nd</sup> floor unit)



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

3889 / 3891 ST. CLAIR STREET  
DETROIT, MI 48214



View of FS-26 (attic)



View of FS-27 (basement)



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

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DETROIT, MI 48214



View of FS-28 (basement)



View of FS-29 (chimney stack A)



ASBESTOS-CONTAINING MATERIAL SURVEY  
VACANT RESIDENTIAL PROPERTY

3889 / 3891 ST. CLAIR STREET  
DETROIT, MI 48214



View of FS-29 ( chimney stack B)



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**APPENDIX A – LABORATORY ANALYTICAL RESULTS, CHAIN OF CUSTODY FORMS,  
AND NVLAP CERTIFICATE**

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## 1.0 INTRODUCTION

On the date indicated above, an ATC Group Services LLC (ATC) Asbestos Inspector, licensed in the State of Michigan, conducted a pre-demolition asbestos and other regulated materials survey of the unoccupied residential subject property.

## 2.0 SUMMARY OF FINDINGS

The following Table listed below provides a summary of findings for the pre-demolition asbestos and other regulated materials survey. Table 1 identifies the suspect asbestos-containing materials identified during the survey, their locations, approximate quantity, type and percentage of asbestos.

**TABLE 1**  
**(Suspect Asbestos-Containing Materials)**

| HA# & Sample #           | Material                                                          | Functional Space / Exterior Area | Estimated Quantity | EPA Cat. (Friable, CAT I, CAT II) | Mat. Class. (TSI, SM, MM) | Results                                                          |
|--------------------------|-------------------------------------------------------------------|----------------------------------|--------------------|-----------------------------------|---------------------------|------------------------------------------------------------------|
| <b>Primary Structure</b> |                                                                   |                                  |                    |                                   |                           |                                                                  |
| 1-RM-A,B                 | Roof Material-Shingled                                            | EA 5                             | 1600 SF            | Cat I                             | MM                        | ND – Both Layers                                                 |
| 2-RM-A,B                 | Roof Material-Flat, Front & Back                                  | EA 5                             | 160 SF             | Cat I                             | MM                        | ND                                                               |
| 3-VP-A,B                 | Vapor Paper-Under Wood Siding                                     | EA 1-4                           | 2096 SF            | Cat II                            | MM                        | ND                                                               |
| 4-WG-A,B                 | Window Glaze-1st,2nd,3rd Floor                                    | EA 1-4                           | 23                 | Cat II                            | MM                        | 2% Chrysotile – Tan (Layer 1)<br>2% Chrysotile – White (Layer 2) |
| 5-WG-A,B                 | Window Glaze-Basement                                             | EA 2-4                           | 8                  | Cat II                            | MM                        | 2% Chrysotile                                                    |
| 6-WG-A,B                 | Window Glaze, 2nd Floor Back Door                                 | EA 3                             | 1 Door             | Cat II                            | MM                        | ND                                                               |
| 7-EC-A,B                 | Exterior Caulk, on Wood Siding & Trim, Windows, Doors, Roof lines | EA 1                             | 310 LF             | Cat II                            | MM                        | ND                                                               |
| 8-PL-A,B,C,D,E,F,G       | White Skim w/ Grey Scratch Coat Plaster on Lath                   | FS 6-25                          | 9200 SF            | RACM                              | SM                        | ND – Both Layers                                                 |
| 9-PL-A,B,C               | White Skim w/ Grey Scratch Coat Plaster on Brick                  | FS 29                            | 380 SF             | RACM                              | SM                        | ND – Both Layers                                                 |
| 10-WB-A,B                | Wallboard                                                         | FS 28                            | 200 SF             | RACM                              | MM                        | ND                                                               |
| 11-SC-A,B                | Stack Cement                                                      | FS 29A                           | 2 SF               | Cat II                            | MM                        | 3% Chrysotile – Gray (Layer 1)<br>15% Chrysotile – (Layer 2)     |
| 12-SC-A,B                | Stack Cement                                                      | FS 29B                           | 2 SF               | Cat II                            | MM                        | 30% Chrysotile                                                   |
| 13-HS-A,B,C              | Heat Shield                                                       | FS 28                            | 2 SF               | RACM                              | TSI                       | 30% Chrysotile                                                   |
| 14-VD-A,B                | Vibration Dampener                                                | FS 27                            | 3 SF               | Cat I                             | MM                        | ND                                                               |
| 15-MB-A,B,C              | Millboard                                                         | FS 27                            | 12 SF              | RACM                              | TSI                       | 35% Chrysotile                                                   |
| 16-DW-A,B                | Duct Wrap                                                         | FS 27,28                         | 6 SF               | RACM                              | TSI                       | 30% Chrysotile                                                   |



**TABLE 1**  
**(Suspect Asbestos-Containing Materials) - Continued**

| HA# & Sample #           | Material                              | Functional Space / Exterior Area | Estimated Quantity | EPA Cat. (Friable, CAT I, CAT II) | Mat. Class. (TSI, SM, MM) | Results                                                          |
|--------------------------|---------------------------------------|----------------------------------|--------------------|-----------------------------------|---------------------------|------------------------------------------------------------------|
| <b>Primary Structure</b> |                                       |                                  |                    |                                   |                           |                                                                  |
| 17-FT-A,B                | 12X12 Beige & Brown Floor Tile        | FS 9,10,13                       | 200 SF             | Cat I                             | MM                        | ND                                                               |
| 18-FT-A,B                | 12X12 Faux Wood Floor Tile            | FS 15                            | 24 SF              | Cat I                             | MM                        | ND                                                               |
| 19-ST-A,B                | Stair Tread                           | FS 15                            | 35 SF              | Cat I                             | MM                        | ND                                                               |
| 20-MLF-A,B               | Multi-Layered Flooring                | FS 17                            | 110 SF             | Cat I                             | MM                        | ND – All Layers                                                  |
| 21-FT-A,B                | 12X12 Black Floor Tile                | FS 22                            | 54 SF              | Cat I                             | MM                        | ND                                                               |
| 22-FS-A,B                | Floor Sheeting-Green & Grey           | FS 26                            | 120 SF             | Cat I                             | MM                        | ND                                                               |
| 23-FS-A,B                | Floor Sheeting White w/ Black Backing | FS 26                            | 120 SF             | Cat I                             | MM                        | ND                                                               |
| 24-MLF-A,B               | Multi-Layered Flooring                | FS 18 Top Landing                | 40 SF              | Cat I                             | MM                        | ND – White F.T.<br><b>15% Chrysotile – Orange F.T. (Layer 2)</b> |
| 25-BM-A,B                | Brick/Block Mortar-Front Porch        | EA 1                             | 60 SF              | Cat II                            | MM                        | ND                                                               |
| 26-BM-A,B                | Brick/Block Mortar-Back Porch         | EA 3                             | 30 SF              | Cat II                            | MM                        | ND                                                               |
| 27-BM-A,B                | Brick/Block Mortar-Foundation         | FS 27,28                         | 1200 SF            | Cat II                            | MM                        | ND                                                               |
| 28-BM-A,B                | Brick/Block Mortar-Stack              | FS 29                            | 300 SF             | Cat II                            | MM                        | ND                                                               |
| 29-CC-A,B                | Concrete Chip-Sidewalks               | EA 1-4                           | 200 SF             | Cat II                            | MM                        | ND                                                               |
| 30-CC-A,B                | Concrete Chip-Driveway                | EA 1,3,4                         | 600 SF             | Cat II                            | MM                        | ND                                                               |
| 31-CC-A,B                | Concrete Chip-Window/Door Sills       | EA 1-4                           | 89 SF              | Cat II                            | MM                        | ND                                                               |
| 32-CC-A,B                | Concrete Chip-Basement Floor          | FS 27,28                         | 1248 SF            | Cat II                            | MM                        | ND                                                               |
| 33-CC-A,B                | Concrete Chip-Skim on Foundation      | FS 27,28                         | 1248 SF            | Cat II                            | MM                        | ND                                                               |
| 34-BI-A,B                | Blown In Insulation                   | FS 6-28                          | 9600 SF            | RACM                              | MM                        | ND                                                               |
| 35-WR-A,B                | Window Rope                           | EA 1-4                           | 368 LF             | Cat II                            | MM                        | ND                                                               |
| 36-IC-A,B                | Interior Caulk                        | FS 27,28                         | 610 LF             | Cat II                            | MM                        | ND                                                               |
| 37-IC-A,B                | Interior Caulk                        | FS 17                            | 30 LF              | Cat II                            | MM                        | ND                                                               |
| 38-CS-A,B                | Ceiling Sheeting                      | FS 27,28                         | 60 SF              | RACM                              | MM                        | ND                                                               |

**Key:** F = Friable; NF = Non-Friable; FT = Floor Tile, FS = Functional Space; HA = Homogeneous Area; CHR = Chrysotile; AMO = Amosite; SF = Square Feet; LF = Linear Feet; CF = Cubic Feet; CY = Cubic Yards; MF = Mud Fittings; PC = Point Count; **Classification:** SM = Surfacing Material; TSI = Thermal System Insulation; MM = Miscellaneous Material; **EPA Material Categories:** FR = Friable Regulated; C2 = Category II Non-Friable; C1 = Category I Non-Friable; ND = No Asbestos Detected



Although not anticipated, based on surface observations, underground structures that could contain ACM may be present and should be managed accordingly if encountered prior to, or during demolition. Abatement of ACMs, including non-friable ACMs, must be performed by a State of 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 2, following, lists Other Regulated Materials/Universal Wastes identified during the survey.

**TABLE 2**  
**(Other Regulated Materials/Universal Wastes)**

| MATERIAL                                     | LOCATION                    | APPROXIMATE QUANTITY    |
|----------------------------------------------|-----------------------------|-------------------------|
| CRTs/ TV Screens/ Monitors/Electronics       | FS-6, 8, 24, 25             | 5 Total                 |
| Fluorescent Bulbs/Ballasts                   | FS-6, 8, 9, 10, 24, 25      | 10 Total                |
| Misc. Items (Glue, Solvents, Cleaners, etc.) | FS-27, 28                   | 10 Total (Various Size) |
| Paint Cans                                   | FS-27, 28                   | 10 Total                |
| Natural Gas Regulator                        | FS-27, 28                   | 3                       |
| Unlabeled Containers (Drums, Totes)          | FS-27, 28                   | 10 Total                |
| Tires                                        | EA-1, 2, 3, 4 and FS-27, 28 | ~15                     |

**CRT** = Cathode Ray Tube, **Hg** = Mercury, **CFC's** = Chlorofluorocarbons; **UNQ** = Unquantified

Lead-based paint may be present on the site and is a hazardous substance. Its condition, handling and disposal are regulated by federal, state, and local agencies. LBP generally does not pose a health threat unless particles are disturbed, become airborne and are inhaled or ingested. Contractors and their employers that will be disturbing the building during demolition should follow all applicable requirements in the OSHA Lead in Construction Standard.

Further testing may be required of debris generated from demolition activities to determine whether the debris should be disposed as hazardous waste under the Resource Conservation and Recovery Act (RCRA) in accordance with 40-CFR Part 261 Subpart C.

### 3.0 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 were generally not tested during this inspection and therefore the roofing material 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 contractor, licensed in the State of Michigan, should remove the materials identified as asbestos containing in Table 1 in accordance with all applicable Local, State, and Federal Requirements prior to demolition.

Other Regulated Materials/Universal Wastes, identified in Table 2, must be transported and disposed in accordance with all applicable Local, State, and Federal Requirements prior to demolition.



#### **4.0 LIMITATIONS**

The results, findings, conclusions, and recommendations expressed in the report are based only on conditions that were noted during ATC's Hazardous Material Survey of the vacant above-referenced residential property.

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 at the time of the site reconnaissance may not be consistent with future observations made by others.

If during demolition, asbestos-containing materials are identified, or if suspect asbestos-containing materials that were not previously identified and/or samples are encountered, work should stop, access to the suspect material should be restricted, and sampling should be performed by a State of Michigan licensed asbestos inspector.

Any positive ACMs must be abated by a licensed asbestos abatement contractor. In addition, other regulated materials may be encountered during the demolition process that 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 to be removed prior to demolition activities. This report is not intended 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.



***APPENDIX A  
LABORATORY ANALYTICAL RESULTS,  
CHAIN OF CUSTODY FORMS, AND NVLAP CERTIFICATE***



**ENVIRONMENTAL TESTING  
LABORATORIES, INC.**

38900 HURON RIVER DRIVE, SUITE 200  
ROMULUS, MICHIGAN 48174  
(734) 955-6600  
FAX: (734) 955-6604

**To:** ATC Group Services LLC - Novi  
46555 Humboldt Dr. Suite 100  
Novi, Michigan 48377

**ETL Job:** 224134  
**Client Project:** 188BS19177  
**Report Date:** 7/29/2019

**S:** 82  
**L:** 12

**Attention:** Robert Smith

**Project Location:** 3889/3891 St Clair, Detroit, MI

| Lab Sample Number | Client Sample Number | Sample Type  | Completed  |
|-------------------|----------------------|--------------|------------|
| 1067131           | 1-RM-A               | Asbestos PLM | 07/25/2019 |
| 1067132           | 1-RM-B               | Asbestos PLM | 07/25/2019 |
| 1067133           | 2-RM-A               | Asbestos PLM | 07/25/2019 |
| 1067134           | 2-RM-B               | Asbestos PLM | 07/25/2019 |
| 1067135           | 3-VP-A               | Asbestos PLM | 07/25/2019 |
| 1067136           | 3-VP-B               | Asbestos PLM | 07/25/2019 |
| 1067137           | 4-WG-A               | Asbestos PLM | 07/25/2019 |
| 1067138           | 4-WG-B               | Asbestos PLM | 07/25/2019 |
| 1067139           | 5-WG-A               | Asbestos PLM | 07/25/2019 |
| 1067140           | 5-WG-B               | Asbestos PLM | 07/25/2019 |
| 1067141           | 6-WG-A               | Asbestos PLM | 07/25/2019 |
| 1067142           | 6-WG-B               | Asbestos PLM | 07/25/2019 |
| 1067143           | 7-EC-A               | Asbestos PLM | 07/25/2019 |
| 1067144           | 7-EC-B               | Asbestos PLM | 07/25/2019 |
| 1067145           | 8-PL-A               | Asbestos PLM | 07/25/2019 |
| 1067146           | 8-PL-B               | Asbestos PLM | 07/25/2019 |
| 1067147           | 8-PL-C               | Asbestos PLM | 07/25/2019 |

| Lab Sample Number | Client Sample Number | Sample Type  | Completed  |
|-------------------|----------------------|--------------|------------|
| 1067148           | 8-PL-D               | Asbestos PLM | 07/25/2019 |
| 1067149           | 8-PL-E               | Asbestos PLM | 07/25/2019 |
| 1067150           | 8-PL-F               | Asbestos PLM | 07/25/2019 |
| 1067151           | 8-PL-G               | Asbestos PLM | 07/25/2019 |
| 1067152           | 9-PL-A               | Asbestos PLM | 07/25/2019 |
| 1067153           | 9-PL-B               | Asbestos PLM | 07/25/2019 |
| 1067154           | 9-PL-C               | Asbestos PLM | 07/25/2019 |
| 1067155           | 10-WB-A              | Asbestos PLM | 07/25/2019 |
| 1067156           | 10-WB-B              | Asbestos PLM | 07/25/2019 |
| 1067157           | 11-SC-A              | Asbestos PLM | 07/25/2019 |
| 1067158           | 11-SC-B              | Asbestos PLM | 07/25/2019 |
| 1067159           | 12-SC-A              | Asbestos PLM | 07/25/2019 |
| 1067160           | 12-SC-B              | Asbestos PLM | 07/25/2019 |
| 1067161           | 13-HS-A              | Asbestos PLM | 07/25/2019 |
| 1067162           | 13-HS-B              | Asbestos PLM | 07/25/2019 |
| 1067163           | 13-HS-C              | Asbestos PLM | 07/25/2019 |
| 1067164           | 14-VD-A              | Asbestos PLM | 07/25/2019 |
| 1067165           | 14-VD-B              | Asbestos PLM | 07/25/2019 |
| 1067166           | 15-MB-A              | Asbestos PLM | 07/25/2019 |
| 1067167           | 15-MB-B              | Asbestos PLM | 07/25/2019 |
| 1067168           | 15-MB-C              | Asbestos PLM | 07/25/2019 |
| 1067169           | 16-DW-A              | Asbestos PLM | 07/25/2019 |
| 1067170           | 16-DW-B              | Asbestos PLM | 07/25/2019 |
| 1067171           | 16-DW-C              | Asbestos PLM | 07/25/2019 |
| 1067172           | 17-FT-A              | Asbestos PLM | 07/25/2019 |
| 1067173           | 17-FT-B              | Asbestos PLM | 07/25/2019 |

| Lab Sample Number | Client Sample Number | Sample Type  | Completed  |
|-------------------|----------------------|--------------|------------|
| 1067174           | 18-FT-A              | Asbestos PLM | 07/25/2019 |
| 1067175           | 18-FT-B              | Asbestos PLM | 07/25/2019 |
| 1067176           | 19-ST-A              | Asbestos PLM | 07/25/2019 |
| 1067177           | 19-ST-B              | Asbestos PLM | 07/25/2019 |
| 1067178           | 20-MLF-A             | Asbestos PLM | 07/25/2019 |
| 1067179           | 20-MLF-B             | Asbestos PLM | 07/25/2019 |
| 1067180           | 21-FT-A              | Asbestos PLM | 07/25/2019 |
| 1067181           | 21-FT-B              | Asbestos PLM | 07/25/2019 |
| 1067182           | 22-FS-A              | Asbestos PLM | 07/25/2019 |
| 1067183           | 22-FS-B              | Asbestos PLM | 07/25/2019 |
| 1067184           | 23-FS-A              | Asbestos PLM | 07/25/2019 |
| 1067185           | 23-FS-B              | Asbestos PLM | 07/25/2019 |
| 1067186           | 24-MLF-A             | Asbestos PLM | 07/25/2019 |
| 1067187           | 24-MLF-B             | Asbestos PLM | 07/25/2019 |
| 1067188           | 25-BM-A              | Asbestos PLM | 07/25/2019 |
| 1067189           | 25-BM-B              | Asbestos PLM | 07/25/2019 |
| 1067190           | 26-BM-A              | Asbestos PLM | 07/25/2019 |
| 1067191           | 26-BM-B              | Asbestos PLM | 07/25/2019 |
| 1067192           | 27-BM-A              | Asbestos PLM | 07/25/2019 |
| 1067193           | 27-BM-B              | Asbestos PLM | 07/25/2019 |
| 1067194           | 28-BM-A              | Asbestos PLM | 07/25/2019 |
| 1067195           | 28-BM-B              | Asbestos PLM | 07/25/2019 |
| 1067196           | 29-CC-A              | Asbestos PLM | 07/25/2019 |
| 1067197           | 29-CC-B              | Asbestos PLM | 07/25/2019 |
| 1067198           | 30-CC-A              | Asbestos PLM | 07/25/2019 |
| 1067199           | 30-CC-B              | Asbestos PLM | 07/25/2019 |

| Lab Sample Number | Client Sample Number | Sample Type  | Completed  |
|-------------------|----------------------|--------------|------------|
| 1067200           | 31-CC-A              | Asbestos PLM | 07/25/2019 |
| 1067201           | 31-CC-B              | Asbestos PLM | 07/25/2019 |
| 1067202           | 32-CC-A              | Asbestos PLM | 07/25/2019 |
| 1067203           | 32-CC-B              | Asbestos PLM | 07/25/2019 |
| 1067204           | 33-CC-A              | Asbestos PLM | 07/25/2019 |
| 1067205           | 33-CC-B              | Asbestos PLM | 07/25/2019 |
| 1067206           | 34-BI-A              | Asbestos PLM | 07/25/2019 |
| 1067207           | 34-BI-B              | Asbestos PLM | 07/25/2019 |
| 1067208           | 35-WR-A              | Asbestos PLM | 07/25/2019 |
| 1067209           | 35-WR-B              | Asbestos PLM | 07/25/2019 |
| 1067210           | 36-IC-A              | Asbestos PLM | 07/25/2019 |
| 1067211           | 36-IC-B              | Asbestos PLM | 07/25/2019 |
| 1067212           | 37-IC-A              | Asbestos PLM | 07/25/2019 |
| 1067213           | 37-IC-B              | Asbestos PLM | 07/25/2019 |
| 1067217           | 38-CS-A              | Asbestos PLM | 07/25/2019 |
| 1067218           | 38-CS-B              | Asbestos PLM | 07/25/2019 |

Reviewed by:



Quality Assurance Coordinator



## Polarized Light Microscopy Asbestos Analysis Report

**To :** ATC Group Services LLC - Novi  
46555 Humboldt Dr. Suite 100  
Novi, Michigan 48377

**Location :**

3889/3891 St Clair, Detroit, MI

**ETC Job :** 224134

**Client Project :** 188BS19177

**Date Collected :** 07/23/2019

**Date Received :** 07/24/2019

| Sample                                                        | Description                           | Appearance                         | % Fibrous         | % Non-Fibrous | % Asbestos        |
|---------------------------------------------------------------|---------------------------------------|------------------------------------|-------------------|---------------|-------------------|
| 1067131<br>1-RM-A                                             | Roofing Material                      | Green<br>Non-Fibrous<br>Homogenous | PLM 5% Cellulose  | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                                       |                                    |                   |               |                   |
| 1067131<br>1-RM-A                                             | Roofing Material                      | Black<br>Non-Fibrous<br>Homogenous | PLM 5% Cellulose  | PLM 95% Other | PLM None Detected |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                                       |                                    |                   |               |                   |
| 1067132<br>1-RM-B                                             | Roofing Material                      | Green<br>Non-Fibrous<br>Homogenous | PLM 5% Cellulose  | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                                       |                                    |                   |               |                   |
| 1067132<br>1-RM-B                                             | Roofing Material                      | Black<br>Non-Fibrous<br>Homogenous | PLM 5% Cellulose  | PLM 95% Other | PLM None Detected |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                                       |                                    |                   |               |                   |
| 1067133<br>2-RM-A                                             | Roofing Material - Flat, Front & Back | Gray<br>Fibrous<br>Homogenous      | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                                       |                                    |                   |               |                   |
| 1067134<br>2-RM-B                                             | Roofing Material - Flat, Front & Back | Gray<br>Fibrous<br>Homogenous      | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                                       |                                    |                   |               |                   |



## Polarized Light Microscopy Asbestos Analysis Report

**To :** ATC Group Services LLC - Novi  
46555 Humboldt Dr. Suite 100  
Novi, Michigan 48377

**Location :**

3889/3891 St Clair, Detroit, MI

**ETC Job :** 224134

**Client Project :** 188BS19177

**Date Collected :** 07/23/2019

**Date Received :** 07/24/2019

| Sample            | Description                        | Appearance                     | % Fibrous         | % Non-Fibrous | % Asbestos        |
|-------------------|------------------------------------|--------------------------------|-------------------|---------------|-------------------|
| 1067135<br>3-VP-A | Vapor Paper - Under Wood<br>Siding | Brown<br>Fibrous<br>Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |

Layer-1 Analyst: Erin Danhausen  
Date Analyzed : 07/25/2019

|                   |                                    |                                |                   |               |                   |
|-------------------|------------------------------------|--------------------------------|-------------------|---------------|-------------------|
| 1067136<br>3-VP-B | Vapor Paper - Under Wood<br>Siding | Brown<br>Fibrous<br>Homogenous | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
|-------------------|------------------------------------|--------------------------------|-------------------|---------------|-------------------|

Layer-1 Analyst: Erin Danhausen  
Date Analyzed : 07/25/2019

|                   |                                       |                                  |                  |               |                   |
|-------------------|---------------------------------------|----------------------------------|------------------|---------------|-------------------|
| 1067137<br>4-WG-A | Window Glaze - 1st, 2nd, 3rd<br>Floor | Tan<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 96% Other | PLM 2% Chrysotile |
|-------------------|---------------------------------------|----------------------------------|------------------|---------------|-------------------|

Layer-1 Analyst: Erin Danhausen  
Date Analyzed : 07/25/2019

|                   |                                       |                                    |                  |               |                   |
|-------------------|---------------------------------------|------------------------------------|------------------|---------------|-------------------|
| 1067137<br>4-WG-A | Window Glaze - 1st, 2nd, 3rd<br>Floor | White<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 96% Other | PLM 2% Chrysotile |
|-------------------|---------------------------------------|------------------------------------|------------------|---------------|-------------------|

Layer-2 Analyst: Erin Danhausen  
Date Analyzed : 07/25/2019

|                   |  |               |  |  |  |
|-------------------|--|---------------|--|--|--|
| 1067138<br>4-WG-B |  | Positive Stop |  |  |  |
|-------------------|--|---------------|--|--|--|

Layer-1 Analyst: Erin Danhausen  
Date Analyzed : 07/25/2019

Layer Not Analyzed

|                   |  |               |  |  |  |
|-------------------|--|---------------|--|--|--|
| 1067138<br>4-WG-B |  | Positive Stop |  |  |  |
|-------------------|--|---------------|--|--|--|

Layer-2 Analyst: Erin Danhausen  
Date Analyzed : 07/25/2019

Layer Not Analyzed

## Polarized Light Microscopy Asbestos Analysis Report

**To :** ATC Group Services LLC - Novi  
46555 Humboldt Dr. Suite 100  
Novi, Michigan 48377  
**Location :**  
3889/3891 St Clair, Detroit, MI

**ETC Job :** 224134  
**Client Project :** 188BS19177  
**Date Collected :** 07/23/2019  
**Date Received :** 07/24/2019

| Sample                                                                           | Description                                             | Appearance                         | % Fibrous        | % Non-Fibrous | % Asbestos        |
|----------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------|------------------|---------------|-------------------|
| 1067139<br>5-WG-A                                                                | Window Glaze - Basement                                 | White<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose | PLM 97% Other | PLM 2% Chrysotile |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                    |                                                         |                                    |                  |               |                   |
| 1067140<br>5-WG-B                                                                |                                                         | Positive Stop                      |                  |               |                   |
| Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019<br><br>Sample Not Analyzed |                                                         |                                    |                  |               |                   |
| 1067141<br>6-WG-A                                                                | Window Glaze - 2nd Floor Back Door                      | White<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                    |                                                         |                                    |                  |               |                   |
| 1067142<br>6-WG-B                                                                | Window Glaze - 2nd Floor Back Door                      | White<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                    |                                                         |                                    |                  |               |                   |
| 1067143<br>7-EC-A                                                                | Exterior Caulk - On Wood Siding & Trim, Windows, Doors, | White<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019<br><br>Roof Lines  |                                                         |                                    |                  |               |                   |
| 1067144<br>7-EC-B                                                                | Exterior Caulk - On Wood Siding & Trim, Windows, Doors, | White<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019<br><br>Roof Lines  |                                                         |                                    |                  |               |                   |

## Polarized Light Microscopy Asbestos Analysis Report

**To :** ATC Group Services LLC - Novi  
 46555 Humboldt Dr. Suite 100  
 Novi, Michigan 48377  
  
**Location :**  
 3889/3891 St Clair, Detroit, MI

**ETC Job :** 224134  
**Client Project :** 188BS19177  
**Date Collected :** 07/23/2019  
**Date Received :** 07/24/2019

| Sample                                                        | Description                   | Appearance                         | % Fibrous        | % Non-Fibrous | % Asbestos        |
|---------------------------------------------------------------|-------------------------------|------------------------------------|------------------|---------------|-------------------|
| 1067145<br>8-PL-A                                             | Skim                          | White<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067145<br>8-PL-A                                             | Scratch Coat Plaster on Lathe | Gray<br>Non-Fibrous<br>Homogenous  | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067146<br>8-PL-B                                             | Skim                          | White<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067146<br>8-PL-B                                             | Scratch Coat Plaster on Lathe | Gray<br>Non-Fibrous<br>Homogenous  | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067147<br>8-PL-C                                             | Skim                          | White<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067147<br>8-PL-C                                             | Scratch Coat Plaster on Lathe | Gray<br>Non-Fibrous<br>Homogenous  | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |

## Polarized Light Microscopy Asbestos Analysis Report

**To :** ATC Group Services LLC - Novi  
 46555 Humboldt Dr. Suite 100  
 Novi, Michigan 48377  
**Location :**  
 3889/3891 St Clair, Detroit, MI

**ETC Job :** 224134  
**Client Project :** 188BS19177  
**Date Collected :** 07/23/2019  
**Date Received :** 07/24/2019

| Sample                                                        | Description                   | Appearance                         | % Fibrous        | % Non-Fibrous | % Asbestos        |
|---------------------------------------------------------------|-------------------------------|------------------------------------|------------------|---------------|-------------------|
| 1067148<br>8-PL-D                                             | Skim                          | White<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067148<br>8-PL-D                                             | Scratch Coat Plaster on Lathe | Gray<br>Non-Fibrous<br>Homogenous  | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067149<br>8-PL-E                                             | Skim                          | White<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067149<br>8-PL-E                                             | Scratch Coat Plaster on Lathe | Gray<br>Non-Fibrous<br>Homogenous  | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067150<br>8-PL-F                                             | Skim                          | White<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067150<br>8-PL-F                                             | Scratch Coat Plaster on Lathe | Gray<br>Non-Fibrous<br>Homogenous  | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |



## Polarized Light Microscopy Asbestos Analysis Report

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46555 Humboldt Dr. Suite 100  
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**Location :**

3889/3891 St Clair, Detroit, MI

**ETC Job :** 224134

**Client Project :** 188BS19177

**Date Collected :** 07/23/2019

**Date Received :** 07/24/2019

| Sample                                                        | Description                   | Appearance                         | % Fibrous        | % Non-Fibrous | % Asbestos        |
|---------------------------------------------------------------|-------------------------------|------------------------------------|------------------|---------------|-------------------|
| 1067151<br>8-PL-G                                             | Skim                          | White<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067151<br>8-PL-G                                             | Scratch Coat Plaster on Lathe | Gray<br>Non-Fibrous<br>Homogenous  | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067152<br>9-PL-A                                             | Skim                          | White<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067152<br>9-PL-A                                             | Scratch Coat Plaster on Brick | Gray<br>Non-Fibrous<br>Homogenous  | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067153<br>9-PL-B                                             | Skim                          | White<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |
| 1067153<br>9-PL-B                                             | Scratch Coat Plaster on Brick | Gray<br>Non-Fibrous<br>Homogenous  | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                   |



**Polarized Light Microscopy Asbestos Analysis Report**

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46555 Humboldt Dr. Suite 100  
Novi, Michigan 48377

**Location :**

3889/3891 St Clair, Detroit, MI

**ETC Job :** 224134

**Client Project :** 188BS19177

**Date Collected :** 07/23/2019

**Date Received :** 07/24/2019

| Sample                                                        | Description                   | Appearance                         | % Fibrous        | % Non-Fibrous | % Asbestos         |
|---------------------------------------------------------------|-------------------------------|------------------------------------|------------------|---------------|--------------------|
| 1067154<br>9-PL-C                                             | Skim                          | White<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected  |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                    |
| 1067154<br>9-PL-C                                             | Scratch Coat Plaster on Brick | Gray<br>Non-Fibrous<br>Homogenous  | PLM 2% Cellulose | PLM 98% Other | PLM None Detected  |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                    |
| 1067155<br>10-WB-A                                            | Wall Board                    | White<br>Non-Fibrous<br>Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected  |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                    |
| 1067156<br>10-WB-B                                            | Wall Board                    | White<br>Non-Fibrous<br>Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected  |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                    |
| 1067157<br>11-SC-A                                            | Stack Cement                  | Gray<br>Non-Fibrous<br>Homogenous  | PLM 2% Cellulose | PLM 95% Other | PLM 3% Chrysotile  |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                    |
| 1067157<br>11-SC-A                                            | Insulation                    | Gray<br>Fibrous<br>Homogenous      | PLM 2% Cellulose | PLM 83% Other | PLM 15% Chrysotile |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                    |                  |               |                    |



## Polarized Light Microscopy Asbestos Analysis Report

**To :** ATC Group Services LLC - Novi  
46555 Humboldt Dr. Suite 100  
Novi, Michigan 48377

**Location :**

3889/3891 St Clair, Detroit, MI

**ETC Job :** 224134

**Client Project :** 188BS19177

**Date Collected :** 07/23/2019

**Date Received :** 07/24/2019

| Sample                                                                                  | Description  | Appearance                    | % Fibrous         | % Non-Fibrous | % Asbestos         |
|-----------------------------------------------------------------------------------------|--------------|-------------------------------|-------------------|---------------|--------------------|
| 1067158<br>11-SC-B                                                                      |              | Positive Stop                 |                   |               |                    |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019<br><br>Layer Not Analyzed |              |                               |                   |               |                    |
| 1067158<br>11-SC-B                                                                      |              | Positive Stop                 |                   |               |                    |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019<br><br>Layer Not Analyzed |              |                               |                   |               |                    |
| 1067159<br>12-SC-A                                                                      | Stack Cement | Gray<br>Fibrous<br>Homogenous | PLM 10% Cellulose | PLM 60% Other | PLM 30% Chrysotile |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                           |              |                               |                   |               |                    |
| 1067160<br>12-SC-B                                                                      |              | Positive Stop                 |                   |               |                    |
| Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019<br><br>Sample Not Analyzed        |              |                               |                   |               |                    |
| 1067161<br>13-HS-A                                                                      | Heat Shield  | Gray<br>Fibrous<br>Homogenous | PLM 15% Cellulose | PLM 55% Other | PLM 30% Chrysotile |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                           |              |                               |                   |               |                    |
| 1067162<br>13-HS-B                                                                      |              | Positive Stop                 |                   |               |                    |
| Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019<br><br>Sample Not Analyzed        |              |                               |                   |               |                    |

## Polarized Light Microscopy Asbestos Analysis Report

**To :** ATC Group Services LLC - Novi  
 46555 Humboldt Dr. Suite 100  
 Novi, Michigan 48377  
**Location :**  
 3889/3891 St Clair, Detroit, MI

**ETC Job :** 224134  
**Client Project :** 188BS19177  
**Date Collected :** 07/23/2019  
**Date Received :** 07/24/2019

| Sample                                                                           | Description        | Appearance                     | % Fibrous         | % Non-Fibrous | % Asbestos         |
|----------------------------------------------------------------------------------|--------------------|--------------------------------|-------------------|---------------|--------------------|
| 1067163<br>13-HS-C                                                               |                    | Positive Stop                  |                   |               |                    |
| Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019<br><br>Sample Not Analyzed |                    |                                |                   |               |                    |
| 1067164<br>14-VD-A                                                               | Vibration Dampener | Gray<br>Fibrous<br>Homogenous  | PLM 10% Cellulose | PLM 90% Other | PLM None Detected  |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                    |                    |                                |                   |               |                    |
| 1067165<br>14-VD-B                                                               | Vibration Dampener | Gray<br>Fibrous<br>Homogenous  | PLM 10% Cellulose | PLM 90% Other | PLM None Detected  |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                    |                    |                                |                   |               |                    |
| 1067166<br>15-MB-A                                                               | Mill Board         | White<br>Fibrous<br>Homogenous | PLM 15% Cellulose | PLM 50% Other | PLM 35% Chrysotile |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                    |                    |                                |                   |               |                    |
| 1067167<br>15-MB-B                                                               |                    | Positive Stop                  |                   |               |                    |
| Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019<br><br>Sample Not Analyzed |                    |                                |                   |               |                    |
| 1067168<br>15-MB-C                                                               |                    | Positive Stop                  |                   |               |                    |
| Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019<br><br>Sample Not Analyzed |                    |                                |                   |               |                    |



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**Date Received :** 07/24/2019

| Sample                                                                           | Description      | Appearance                                 | % Fibrous         | % Non-Fibrous | % Asbestos         |
|----------------------------------------------------------------------------------|------------------|--------------------------------------------|-------------------|---------------|--------------------|
| 1067169<br>16-DW-A                                                               | Duct Wrap        | Gray<br>Fibrous<br>Homogenous              | PLM 15% Cellulose | PLM 55% Other | PLM 30% Chrysotile |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                    |                  |                                            |                   |               |                    |
| 1067170<br>16-DW-B                                                               |                  | Positive Stop                              |                   |               |                    |
| Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019<br><br>Sample Not Analyzed |                  |                                            |                   |               |                    |
| 1067171<br>16-DW-C                                                               |                  | Positive Stop                              |                   |               |                    |
| Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019<br><br>Sample Not Analyzed |                  |                                            |                   |               |                    |
| 1067172<br>17-FT-A                                                               | 12x12 Floor Tile | Brown & Beige<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose  | PLM 99% Other | PLM None Detected  |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                    |                  |                                            |                   |               |                    |
| 1067173<br>17-FT-B                                                               | 12x12 Floor Tile | Brown & Beige<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose  | PLM 99% Other | PLM None Detected  |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                    |                  |                                            |                   |               |                    |
| 1067174<br>18-FT-A                                                               | 12x12 Floor Tile | Faux Wood<br>Non-Fibrous<br>Homogenous     | PLM 1% Cellulose  | PLM 99% Other | PLM None Detected  |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                    |                  |                                            |                   |               |                    |



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| Sample                                                        | Description                   | Appearance                             | % Fibrous         | % Non-Fibrous | % Asbestos        |
|---------------------------------------------------------------|-------------------------------|----------------------------------------|-------------------|---------------|-------------------|
| 1067175<br>18-FT-B                                            | 12x12 Floor Tile              | Faux Wood<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose  | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                        |                   |               |                   |
| 1067176<br>19-ST-A                                            | Stair Tread                   | Brown<br>Non-Fibrous<br>Homogenous     | PLM 1% Cellulose  | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                        |                   |               |                   |
| 1067177<br>19-ST-B                                            | Stair Tread                   | Brown<br>Non-Fibrous<br>Homogenous     | PLM 1% Cellulose  | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                        |                   |               |                   |
| 1067178<br>20-MLF-A                                           | Multi-Layered Flooring - Tile | Beige<br>Non-Fibrous<br>Homogenous     | PLM 1% Cellulose  | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                        |                   |               |                   |
| 1067178<br>20-MLF-A                                           | Mastic                        | Black<br>Non-Fibrous<br>Homogenous     | PLM 3% Cellulose  | PLM 97% Other | PLM None Detected |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                        |                   |               |                   |
| 1067178<br>20-MLF-A                                           | Tile                          | Green<br>Non-Fibrous<br>Homogenous     | PLM 10% Cellulose | PLM 90% Other | PLM None Detected |
| Layer-3 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                        |                   |               |                   |



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| Sample                                                        | Description                   | Appearance                            | % Fibrous         | % Non-Fibrous | % Asbestos        |
|---------------------------------------------------------------|-------------------------------|---------------------------------------|-------------------|---------------|-------------------|
| 1067179<br>20-MLF-B                                           | Multi-Layered Flooring - Tile | Beige<br>Non-Fibrous<br>Homogenous    | PLM 1% Cellulose  | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                       |                   |               |                   |
| 1067179<br>20-MLF-B                                           | Mastic                        | Black<br>Non-Fibrous<br>Homogenous    | PLM 5% Cellulose  | PLM 95% Other | PLM None Detected |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                       |                   |               |                   |
| 1067179<br>20-MLF-B                                           | Tile                          | Green<br>Non-Fibrous<br>Homogenous    | PLM 10% Cellulose | PLM 90% Other | PLM None Detected |
| Layer-3 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                       |                   |               |                   |
| 1067180<br>21-FT-A                                            | 12x12 Floor Tile              | Black<br>Non-Fibrous<br>Homogenous    | PLM 1% Cellulose  | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                       |                   |               |                   |
| 1067181<br>21-FT-B                                            | 12x12 Floor Tile              | Black<br>Non-Fibrous<br>Homogenous    | PLM 2% Cellulose  | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                       |                   |               |                   |
| 1067182<br>22-FS-A                                            | Floor Sheeting                | Green & Gray<br>Fibrous<br>Homogenous | PLM 25% Cellulose | PLM 75% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                       |                   |               |                   |



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**ETC Job :** 224134

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**Date Collected :** 07/23/2019

**Date Received :** 07/24/2019

| Sample                                                        | Description                   | Appearance                            | % Fibrous         | % Non-Fibrous | % Asbestos         |
|---------------------------------------------------------------|-------------------------------|---------------------------------------|-------------------|---------------|--------------------|
| 1067183<br>22-FS-B                                            | Floor Sheeting                | Green & Gray<br>Fibrous<br>Homogenous | PLM 25% Cellulose | PLM 75% Other | PLM None Detected  |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                       |                   |               |                    |
| 1067184<br>23-FS-A                                            | Floor Sheeting w/ Backing     | White<br>Fibrous<br>Homogenous        | PLM 25% Cellulose | PLM 75% Other | PLM None Detected  |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                       |                   |               |                    |
| 1067185<br>23-FS-B                                            | Floor Sheeting w/ Backing     | White<br>Fibrous<br>Homogenous        | PLM 25% Cellulose | PLM 75% Other | PLM None Detected  |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                       |                   |               |                    |
| 1067186<br>24-MLF-A                                           | Multi-Layered Flooring - Tile | White<br>Non-Fibrous<br>Homogenous    | PLM 1% Cellulose  | PLM 99% Other | PLM None Detected  |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                       |                   |               |                    |
| 1067186<br>24-MLF-A                                           | Tile                          | Orange<br>Fibrous<br>Homogenous       | PLM 10% Cellulose | PLM 75% Other | PLM 15% Chrysotile |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019 |                               |                                       |                   |               |                    |

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| Sample                                                                                  | Description                      | Appearance                         | % Fibrous        | % Non-Fibrous | % Asbestos        |
|-----------------------------------------------------------------------------------------|----------------------------------|------------------------------------|------------------|---------------|-------------------|
| 1067187<br>24-MLF-B                                                                     | Multi-Layered Flooring - Tile    | White<br>Non-Fibrous<br>Homogenous | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                           |                                  |                                    |                  |               |                   |
| 1067187<br>24-MLF-B                                                                     |                                  | Positive Stop                      |                  |               |                   |
| Layer-2 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019<br><br>Layer Not Analyzed |                                  |                                    |                  |               |                   |
| 1067188<br>25-BM-A                                                                      | Brick/Block Mortar - Front Porch | Gray<br>Non-Fibrous<br>Homogenous  | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                           |                                  |                                    |                  |               |                   |
| 1067189<br>25-BM-B                                                                      | Brick/Block Mortar - Front Porch | Gray<br>Non-Fibrous<br>Homogenous  | PLM 1% Cellulose | PLM 99% Other | PLM None Detected |
| Layer-1 Analyst: Erin Danhausen<br>Date Analyzed : 07/25/2019                           |                                  |                                    |                  |               |                   |
| 1067190<br>26-BM-A                                                                      | Brick/Block Mortar - Back Porch  | Gray<br>Non-Fibrous<br>Homogenous  | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019                             |                                  |                                    |                  |               |                   |
| 1067191<br>26-BM-B                                                                      | Brick/Block Mortar - Back Porch  | Gray<br>Non-Fibrous<br>Homogenous  | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019                             |                                  |                                    |                  |               |                   |

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**Date Received :** 07/24/2019

| Sample                                                      | Description                     | Appearance                        | % Fibrous        | % Non-Fibrous | % Asbestos        |
|-------------------------------------------------------------|---------------------------------|-----------------------------------|------------------|---------------|-------------------|
| 1067192<br>27-BM-A                                          | Brick/Block Mortar - Foundation | Gray<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                 |                                   |                  |               |                   |
| 1067193<br>27-BM-B                                          | Brick/Block Mortar - Foundation | Gray<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                 |                                   |                  |               |                   |
| 1067194<br>28-BM-A                                          | Brick/Block Mortar - Stack      | Gray<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                 |                                   |                  |               |                   |
| 1067195<br>28-BM-B                                          | Brick/Block Mortar - Stack      | Gray<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                 |                                   |                  |               |                   |
| 1067196<br>29-CC-A                                          | Concrete Chip - Sidewalks       | Gray<br>Non-Fibrous<br>Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                 |                                   |                  |               |                   |
| 1067197<br>29-CC-B                                          | Concrete Chip - Sidewalks       | Gray<br>Non-Fibrous<br>Homogenous | PLM 3% Cellulose | PLM 97% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                 |                                   |                  |               |                   |

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| Sample                                                      | Description                          | Appearance                        | % Fibrous        | % Non-Fibrous | % Asbestos        |
|-------------------------------------------------------------|--------------------------------------|-----------------------------------|------------------|---------------|-------------------|
| 1067198<br>30-CC-A                                          | Concrete Chip - Driveway             | Gray<br>Non-Fibrous<br>Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                      |                                   |                  |               |                   |
| 1067199<br>30-CC-B                                          | Concrete Chip - Driveway             | Gray<br>Non-Fibrous<br>Homogenous | PLM 4% Cellulose | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                      |                                   |                  |               |                   |
| 1067200<br>31-CC-A                                          | Concrete Chip - Window/Door<br>Sills | Gray<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                      |                                   |                  |               |                   |
| 1067201<br>31-CC-B                                          | Concrete Chip - Window/Door<br>Sills | Gray<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                      |                                   |                  |               |                   |
| 1067202<br>32-CC-A                                          | Concrete Chip - Basement Floor       | Gray<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                      |                                   |                  |               |                   |
| 1067203<br>32-CC-B                                          | Concrete Chip - Basement Floor       | Gray<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                      |                                   |                  |               |                   |



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| Sample                                                      | Description                        | Appearance                        | % Fibrous         | % Non-Fibrous | % Asbestos        |
|-------------------------------------------------------------|------------------------------------|-----------------------------------|-------------------|---------------|-------------------|
| 1067204<br>33-CC-A                                          | Concrete Chip - Skim on Foundation | Gray<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose  | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                    |                                   |                   |               |                   |
| 1067205<br>33-CC-B                                          | Concrete Chip - Skim on Foundation | Gray<br>Non-Fibrous<br>Homogenous | PLM 2% Cellulose  | PLM 98% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                    |                                   |                   |               |                   |
| 1067206<br>34-BI-A                                          | Blown-In Insulation                | Brown<br>Fibrous<br>Homogenous    | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                    |                                   |                   |               |                   |
| 1067207<br>34-BI-B                                          | Blown-In Insulation                | Brown<br>Fibrous<br>Homogenous    | PLM 90% Cellulose | PLM 10% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                    |                                   |                   |               |                   |
| 1067208<br>35-WR-A                                          | Window Rope                        | White<br>Fibrous<br>Homogenous    | PLM 95% Cellulose | PLM 5% Other  | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                    |                                   |                   |               |                   |
| 1067209<br>35-WR-B                                          | Window Rope                        | White<br>Fibrous<br>Homogenous    | PLM 95% Cellulose | PLM 5% Other  | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                                    |                                   |                   |               |                   |



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| Sample                                                      | Description      | Appearance                         | % Fibrous         | % Non-Fibrous | % Asbestos        |
|-------------------------------------------------------------|------------------|------------------------------------|-------------------|---------------|-------------------|
| 1067210<br>36-IC-A                                          | Interior Caulk   | White<br>Non-Fibrous<br>Homogenous | PLM 4% Cellulose  | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                  |                                    |                   |               |                   |
| 1067211<br>36-IC-B                                          | Interior Caulk   | White<br>Non-Fibrous<br>Homogenous | PLM 4% Cellulose  | PLM 96% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                  |                                    |                   |               |                   |
| 1067212<br>37-IC-A                                          | Interior Caulk   | White<br>Non-Fibrous<br>Homogenous | PLM 5% Cellulose  | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                  |                                    |                   |               |                   |
| 1067213<br>37-IC-B                                          | Interior Caulk   | White<br>Non-Fibrous<br>Homogenous | PLM 5% Cellulose  | PLM 95% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                  |                                    |                   |               |                   |
| 1067217<br>38-CS-A                                          | Ceiling Sheeting | Brown<br>Fibrous<br>Homogenous     | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                  |                                    |                   |               |                   |
| 1067218<br>38-CS-B                                          | Ceiling Sheeting | Brown<br>Fibrous<br>Homogenous     | PLM 75% Cellulose | PLM 25% Other | PLM None Detected |
| Layer-1 Analyst: Dave Cousino<br>Date Analyzed : 07/25/2019 |                  |                                    |                   |               |                   |



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

Lab Supervisor/Other Signatory

Analyst:

Dave Cousino

Erin Danhausen

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

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

**ENVIRONMENTAL TESTING LABORATORIES, INC**

38900 HURON RIVER DRIVE  
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# Bulk Asbestos Chain of Custody

ETL Project #: 224 134

|                                                                                                                                                          |                                                                      |                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------|
| Client: ATC Group Services                                                                                                                               | Contact: Rob Smith                                                   | Project Location/name: 3889 & 3891 ST CLAIR DETROIT MI |
| Address: 46555 Humboldt Dr. Ste. 100 Novi, MI 48377                                                                                                      | Phone: 248-669-5140                                                  | Client Project #: 188BS19177                           |
|                                                                                                                                                          | Fax: 248-669-5147                                                    |                                                        |
|                                                                                                                                                          | E-mail: <a href="mailto:rob.smith@atcgs.com">rob.smith@atcgs.com</a> | Date Sampled: 7/23/2019                                |
| Please Provide Results: <input type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other _____ |                                                                      |                                                        |

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

**PLM Instructions**

(Check all that apply)

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

\* Additional charge and turnaround may be required

| Lab ID        | Sample ID          | Material Description                                             |
|---------------|--------------------|------------------------------------------------------------------|
| 1067 131, 132 | 1-RM-A,B           | Roof Material-Shingled                                           |
| 133, 134      | 2-RM-A,B           | Roof Material-Flat, Front & Back                                 |
| 135, 136      | 3-VP-A,B           | Vapor Paper-Under Wood Siding                                    |
| 137, 138      | 4-WG-A,B           | Window Glaze-1st,2nd,3rd Floor                                   |
| 139, 140      | 5-WG-A,B           | Window Glaze-Basement                                            |
| 141, 142      | 6-WG-A,B           | Window Glaze-2nd Floor Back Door                                 |
| 143, 144      | 7-EC-A,B           | Exterior Caulk-On Wood Siding & Trim, Windows, Doors, Roof lines |
| 145, 146, 147 | 8-PL-A,B,C,D,E,F,G | White Skim w/ Grey Scratch Coat Plaster on Lathe                 |
| 152, 153, 154 | 9-PL-A,B,C         | White Skim w/ Grey Scratch Coat Plaster On Brick                 |
| 155, 156      | 10-WB-A,B          | Wall Board                                                       |
| 157, 158      | 11-SC-A,B          | Stack Cement                                                     |
| 159, 160      | 12-SC-A,B          | Stack Cement                                                     |
| 161, 162, 163 | 13-HS-A,B,C        | Heat Shield                                                      |
| 164, 165      | 14-VD-A,B          | Vibration Dampener                                               |
| 166, 167, 168 | 15-MB-A,B,C        | Mill Board                                                       |
| 169, 170, 171 | 16-DW-A,B,C        | Duct Wrap                                                        |
| 172, 173      | 17-FT-A,B          | 12X12 Beige & Brown Floor Tile                                   |
| 174, 175      | 18-FT-A,B          | 12X12 Faux Wood Floor Tile                                       |

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|          |            |                                       |
|----------|------------|---------------------------------------|
| 176, 177 | 19-ST-A,B  | Stair Tread                           |
| 178, 179 | 20-MLF-A,B | Multi-Layered Flooring                |
| 180, 181 | 21-FT-A,B  | 12X12 Black Floor Tile                |
| 182, 183 | 22-FS-A,B  | Floor Sheeting-Green & Grey           |
| 184, 185 | 23-FS-A,B  | Floor Sheeting White w/ Black Backing |
| 186, 187 | 24-MLF-A,B | Multi-Layered Flooring                |
| 188, 189 | 25-BM-A,B  | Brick/Block Mortar-Front Porch        |
| 190, 191 | 26-BM-A,B  | Brick/Block Mortar-Back Porch         |
| 192, 193 | 27-BM-A,B  | Brick/Block Mortar-Foundation         |
| 194, 195 | 28-BM-A,B  | Brick/Block Mortar-Stack              |
| 196, 197 | 29-CC-A,B  | Concrete Chip-Sidewalks               |
| 198, 199 | 30-CC-A,B  | Concrete Chip-Driveway                |
| 200, 201 | 31-CC-A,B  | Concrete Chip-Window/Door Sills       |
| 202, 203 | 32-CC-A,B  | Concrete Chip-Basement Floor          |
| 204, 205 | 33-CC-A,B  | Concrete Chip-Skim on Foundation      |
| 206, 207 | 34-BI-A,B  | Blown In Insulation                   |
| 208, 209 | 35-WR-A,B  | Window Rope                           |
| 210, 211 | 36-IC-A,B  | Interior Caulk                        |
| 212, 213 | 37-IC-A,B  | Interior Caulk                        |
| 217, 218 | 38-CS-A,B  | Ceiling Sheeting                      |

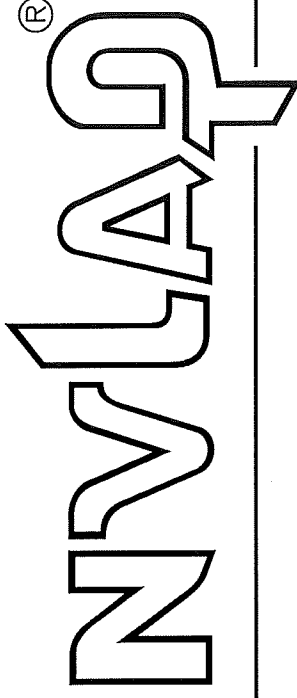
|                                            |                            | Date      | Time       |
|--------------------------------------------|----------------------------|-----------|------------|
| Relinquished (Name/Organization):          | Charles D Gheen <i>cdg</i> | 7/23/2019 | am/pm      |
| Received (Name/ETL):                       | <i>E. De</i>               | 7/24/19   | 8:01 am/pm |
| Sample Login (Name/ETL):                   | <i>Brianna Orr</i>         | 7/24/19   | 2:07 am/pm |
| Stereoscopical/Sample Analysis (Name/ETL): | <i>E. De</i>               | 7/25/19   | 3:02 am/pm |
| Results (Name/ETL):                        | <i>Brianna Orr</i>         | 7/26/19   | 3:03 am/pm |
| QA/QC Review (Name/ETL):                   | <i>Brianna Orr</i>         | 7/26/19   | 3:03 am/pm |

Special Instructions: 1st Positive Stop;  
 • Composite all drywall/joint compound/mud samples if any layer of system is GREATER than 1% asbestos;  
 • Point Count ALL PLASTER samples Trace to 3% asbestos content  
 • Point Count ALL SAMPLES Trace to 1% asbestos content

Remarks

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

United States Department of Commerce  
National Institute of Standards and Technology



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# Certificate of Accreditation to ISO/IEC 17025:2005

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NVLAP LAB CODE: 201028-0

**Environmental Testing Laboratories, Inc.**  
Romulus, MI

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

## **Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2019-04-01 through 2020-03-31

*Effective Dates*

A handwritten signature in black ink, appearing to read "Peter S. Lander".

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*For the National Voluntary Laboratory Accreditation Program*