



38900 West Huron River Drive  
 Romulus, MI 48174  
 PHONE: (734) 955-6600  
 FAX: (734) 955-6604  
 WEBSITE: [www.2etc.com](http://www.2etc.com)

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

***Prepared For:***

**Calhoun County Land Bank Authority**  
 315 W. Green Street  
 Marshall, MI 49068  
 ETC Job Number: 269-781-0744\*

<b>Parcel:</b>	269-781-0744
<b>House No:</b>	501 N. Berrien Street, Albion, MI 49224
<b>Date Inspected:</b>	05/01/2019
<b>Inspected By:</b>	Heather Broome
<b>Inspector's State Card #:</b>	A-48908

### Building Information

No. of Stories	3	Garage	No Garage Present
Square Footage	60000 SF	Garage Square Footage	N/A
Basement Square Footage	No Basement Present	Garage Siding	N/A
Siding	Brick	Garage color	N/A
Color	Red	Garage Shingles	N/A
Roof Shingles	Gravel/Tar	Electric (Gone)	Disconnected
Asbestos present	Yes	Gas (Gone)	Disconnected
Inaccessible areas	Roof is collapsed in Rooms 18, 27 - Unsafe to enter. Unable to locate Garage		



*Hazardous/Regulated Materials Survey and Inspection Report*

Parcel: 269-781-0744  
House No. 501 N. Berrien Street, Albion, MI 49224  
Date Inspected: 05/01/2019

**TABLE 1**

**HAZARDOUS MATERIALS**

**Material Description                      Quantity & Units                      Location**

Refrigerator	1 ea	Exterior
Biohazard (Bird Feces)	20 SF	Room 28
55 Gallon Drum	1 ea	Room 18

**TIRE(s) REPORT**

**Material                                      Quantity & Units                                      Location**

Tires	1 ea	Room 1
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*Hazardous/Regulated Materials Survey and Inspection Report*

Parcel:	269-781-0744
House No.	501 N. Berrien Street, Albion, MI 49224
Date Inspected:	05/01/2019

**TABLE 2**  
**SUSPECT ASBESTOS CONTAINING MATERIALS**

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present %
1	NF	Window Glaze (Barrier Side) - Grey	Throughout	150 Units	ND
2	NF	Window Glaze (Monroe Side) - Grey	Throughout	88 Units	ND
3	NF	Poured Concrete - Grey	Throughout	120,000 SF	ND
4	NF	Red Brick - Red	Throughout	50,400 SF	ND
5	NF	Red Brick Mortar - Grey	Throughout	50,400 SF	ND
6	NF	Ceiling Tile - White	Room 24	120 SF	ND
7	<b>NF</b>	<b>9 x 9 Floor Tile - Beige</b>	<b>Room 24</b>	<b>120 SF</b>	<b>2%</b>
8	NF	Mastic - Black	Room 24	120 SF	ND
9	NF	Paper Backing - White	Room 6, 24	240 SF	ND
<b>10</b>	<b>NF</b>	<b>Window Caulk - White</b>	<b>Throughout</b>	<b>7200 LF</b>	<b>2%</b>
<b>11</b>	<b>NF</b>	<b>Interior Caulk - White</b>	<b>Room 24</b>	<b>240 LF</b>	<b>15%</b>
12	NF	Roofing Material - Brown	Exterior Roof	60,000 SF	ND
<b>13</b>	<b>NF</b>	<b>Tar - Dark Black (On Edges)</b>	<b>Exterior Roof</b>	<b>60,000 SF</b>	<b>2%</b>
<b>14</b>	<b>NF</b>	<b>Tar - Dark Grey</b>	<b>Exterior Roof</b>	<b>60,000 SF</b>	<b>4%</b>
15	NF	Shingle - Grey	Room 29 (Step)	10 SF	ND
16	F	Roofing Insulation - Black/Tan	Exterior Roof	60,000 SF	ND
17	NF	Fiberboard - Tan (Under Steel Panels)	Room 22	60 SF	ND
18	NF	Cloth Vibration Damper - Grey (Under Steel Panels)	Room 26	10 SF	ND
19	NF	12 x 12 Floor Tile - Grey	Room 1	30 SF	ND
20	F	Machine Insulation - Tan/Orange	Room 17	15 SF	ND
21	NF	Caulk - Tan (On Machine)	Room 17	180 LF	ND

Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are estimates only. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

ND- None Detected

*Hazardous/Regulated Materials Survey and Inspection Report*

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**TABLE 2**  
**SUSPECT ASBESTOS CONTAINING MATERIALS**

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present %
22	NF	Cinderblock - Grey	Throughout	28,800 SF	ND
23	NF	Cinderblock Mortar - Grey	Throughout	28,800 SF	ND
24	NF	Wire Insulation - Black	Room 11	30 SF	ND
25	NF	Fiberboard - Tan	Rooms 19, 26	240 SF	ND
26	NF	Exterior Caulk - White (Thin)	Exterior Building	7200 LF	ND
27	NF	Exterior Caulk - Tan/Black	Exterior Building	1200 LF	ND

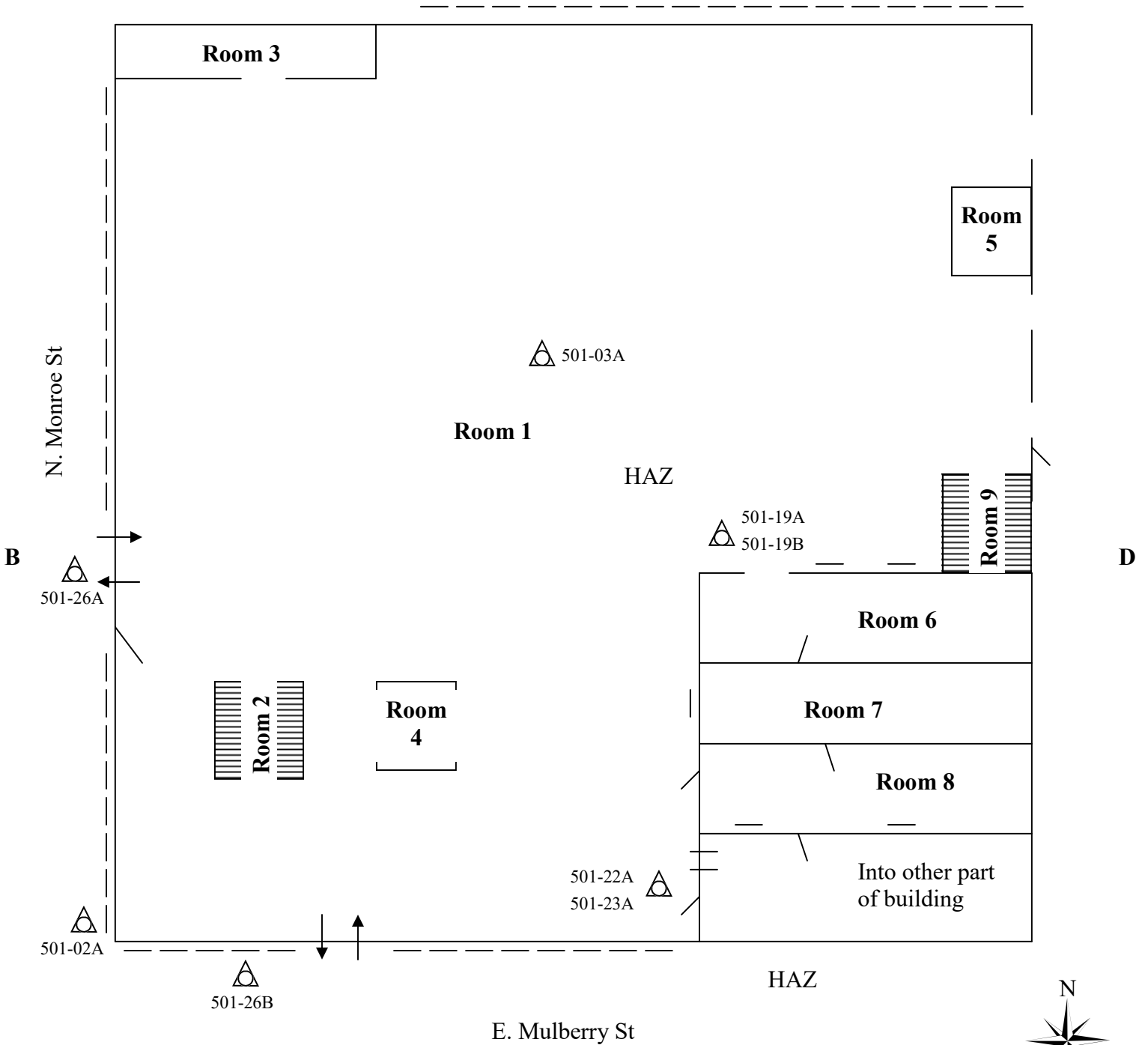
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ND- None Detected

Attachment:

Site Drawing

E. Chestnut St

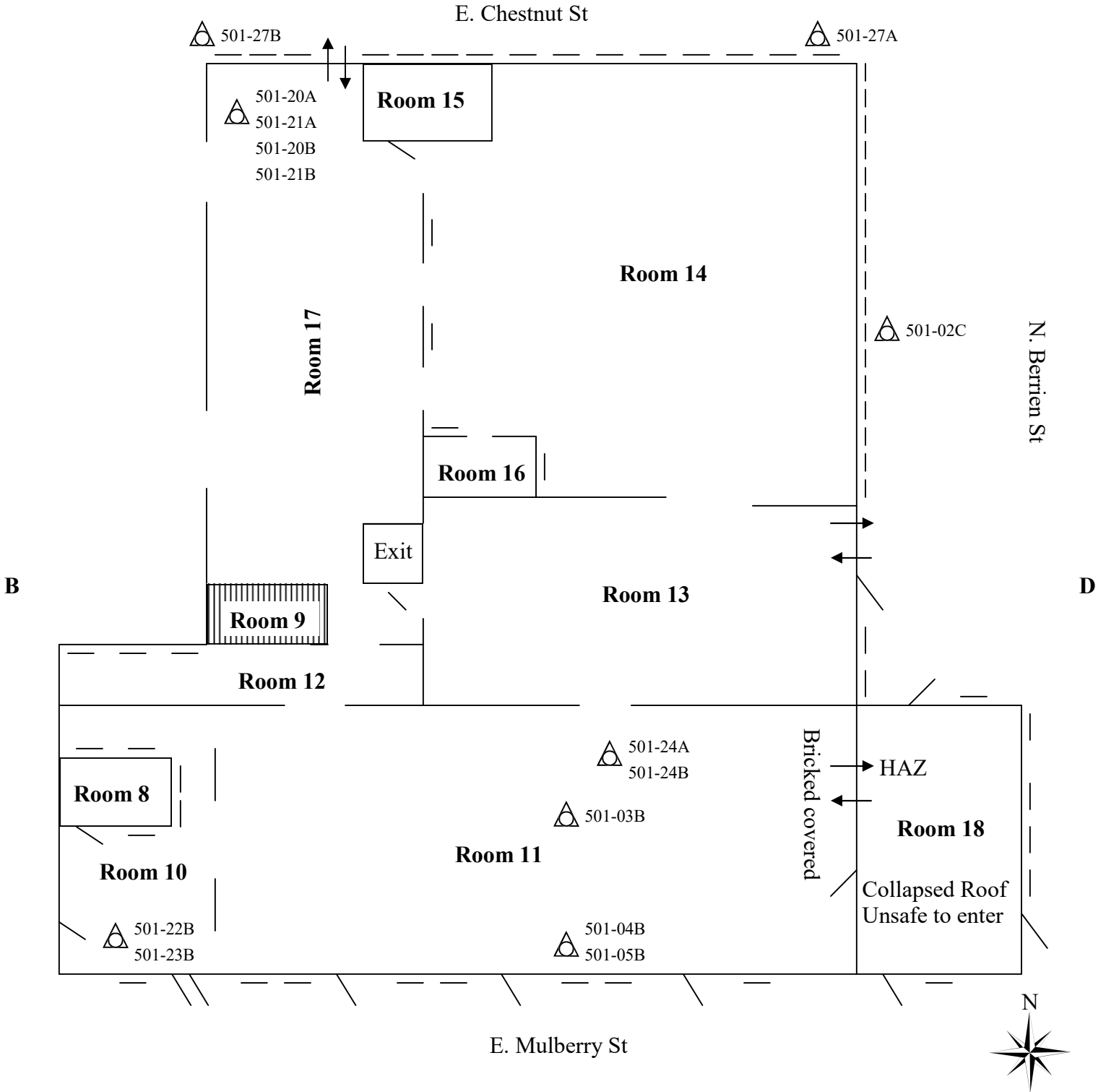


Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

A

△ Sample Location

Calhoun County Land Bank Authority  
269-781-0744\*



Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

A

△ Sample Location

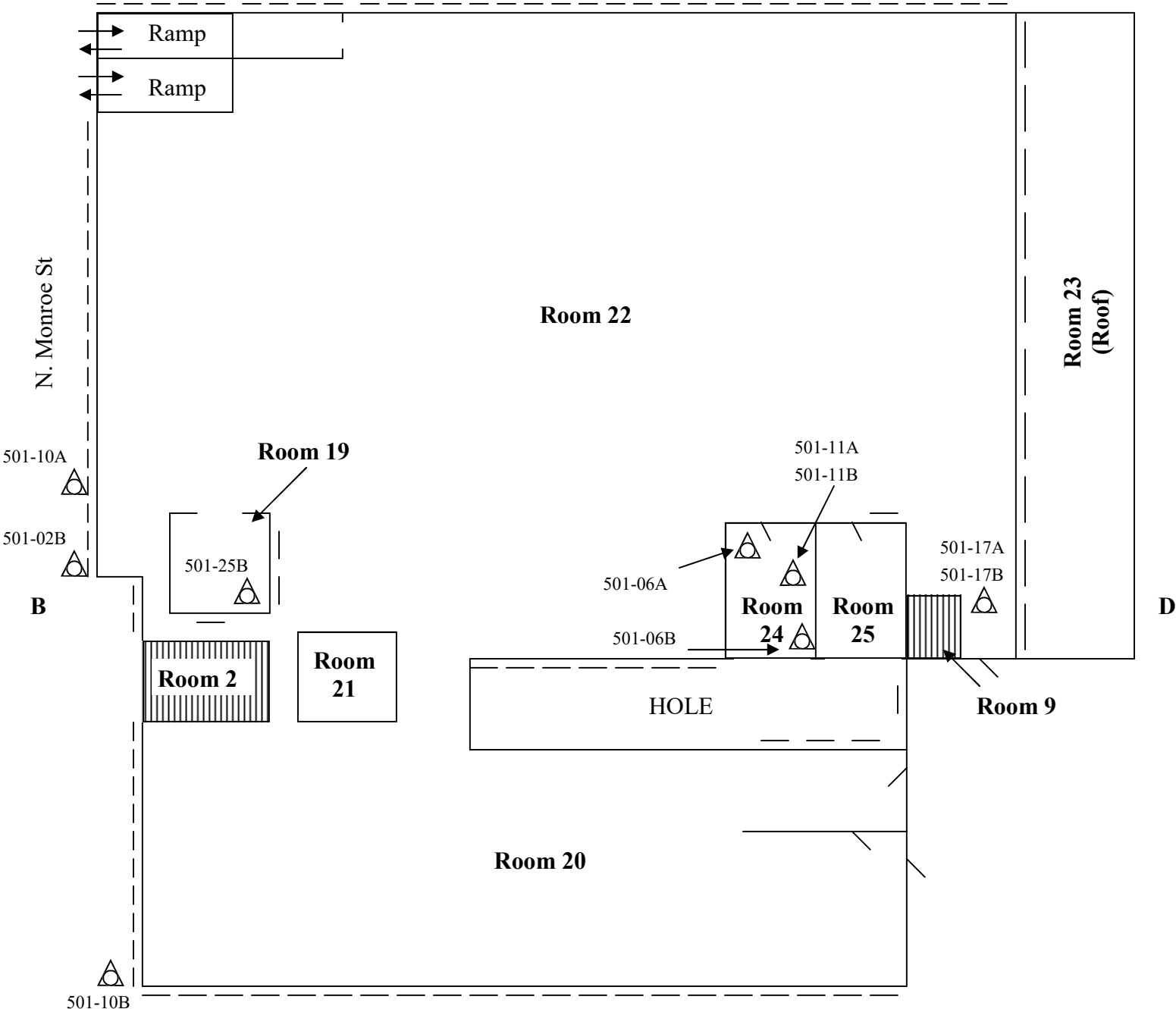
**2nd floor (B Side of Building)**

C

501 N. Berrien Street, Albion,  
MI 49224

E. Chestnut St

△ 501-01C



N. Monroe St

Room 22

Room 23  
(Roof)

Room 19

501-10A  
501-02B

B

501-25B

Room 2

Room 21

501-11A  
501-11B  
501-06A  
501-06B

Room 24

Room 25

501-17A  
501-17B

Room 9

D

HOLE

Room 20

501-10B

E. Mulberry St



A

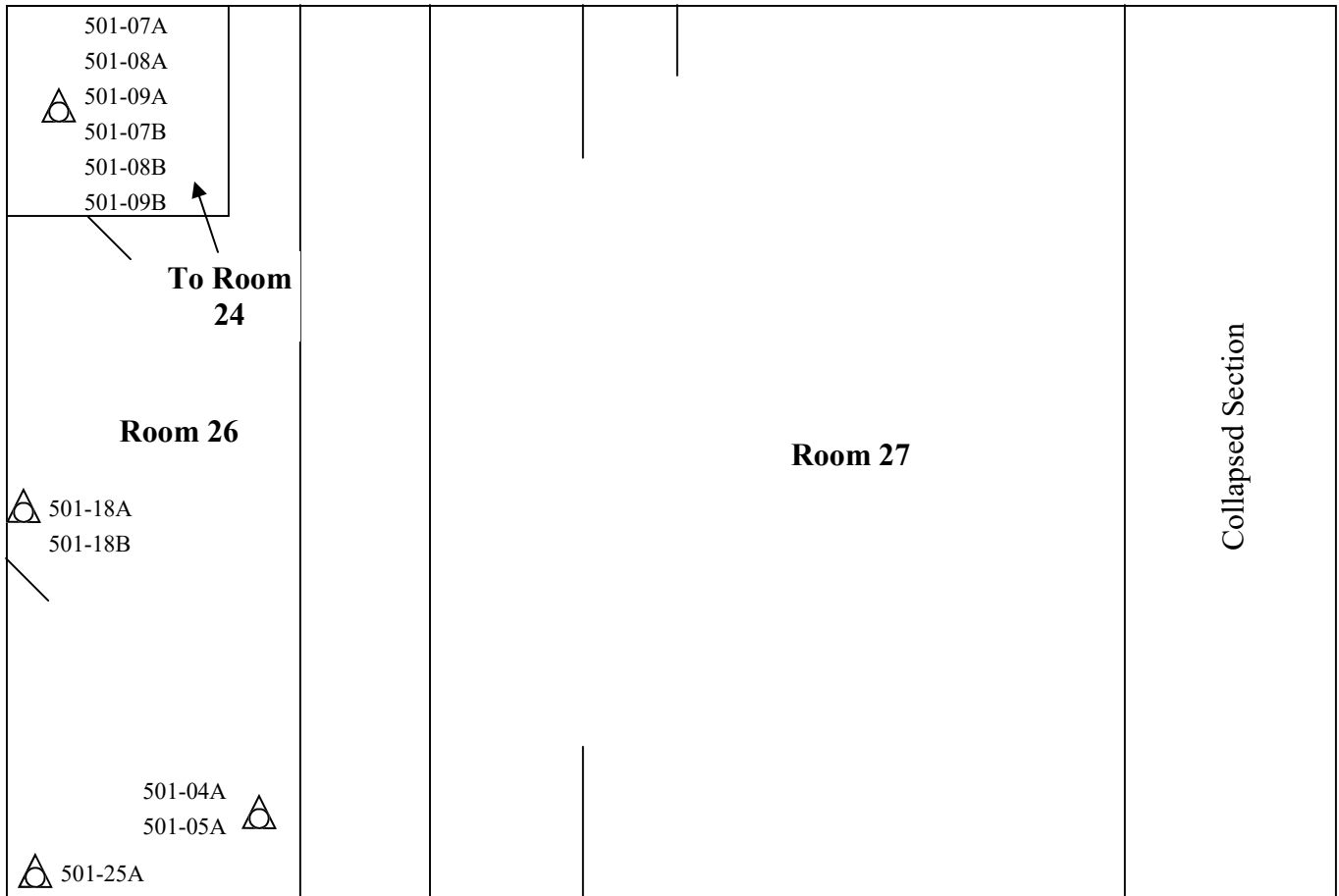
△ Sample Location

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

Calhoun County Land Bank Authority  
269-781-0744\*



E. Chestnut St



N. Berrien St

B

D

E. Mulberry St



Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

A

 Sample Location

Calhoun County Land Bank Authority  
269-781-0744\*

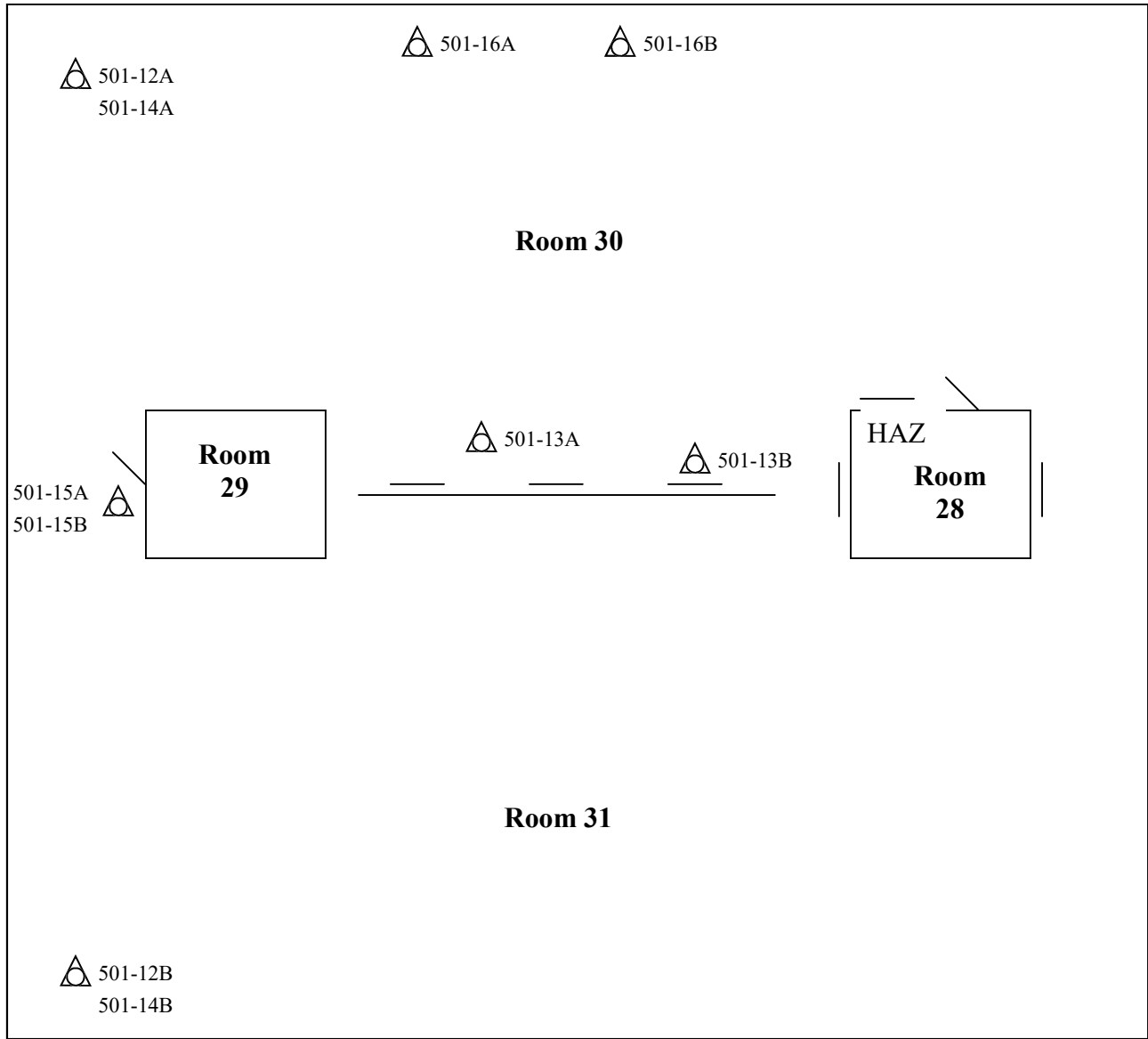
E. Chestnut St

N. Monroe St

N. Berrien St

B

D




E. Mulberry St



Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

A

 Sample Location

Calhoun County Land Bank Authority  
269-781-0744\*

Attachment:

Site Photographs

## Representative Pictures of House/Property

Parcel: 269-781-0744  
House No. 501 N. Berrien Street, Albion, MI 49224  
Date Inspected: 05/01/2019



Front of house/property



Side #1 of house/property



Back of house/property



Side #2 of house/property

## Representative Pictures of Hazardous Materials

Parcel: 269-781-0744  
House No. 501 N. Berrien Street, Albion, MI 49224  
Date Inspected: 05/01/2019



Refrigerator



Tire



Biohazard (Bird Feces)



55 Gallon Drum

## Representative Pictures of Asbestos Containing Materials

Parcel: 269-781-0744

House No. 501 N. Berrien Street, Albion, MI 49224

Date Inspected: 05/01/2019



9 x 9 Floor Tile



Interior Caulk



Tar, on Ledges



Tar

## Representative Pictures of Asbestos Containing Materials

Parcel: 269-781-0744  
House No. 501 N. Berrien Street, Albion, MI 49224  
Date Inspected: 05/01/2019



Window Caulk

Attachment:

Laboratory Analytical Results  
and  
NVLAP Certification





**To:** Environmental Testing And Consulting Inc.  
38900 Huron River Drive  
Romulus, MI 48174

**ETL Job:** 221373  
**Client Project:** 221373  
**Report Date:** 5/6/2019

**Attention:** Krista Trout-Edwards

**Project Location:** 501 N. Berrien St, Albion, MI 49224  
Vacant Commercial Building

Lab Sample Number	Client Sample Number	Sample Type	Completed
1022819	01A	Asbestos PLM	05/02/2019
1022820	01B	Asbestos PLM	05/02/2019
1022821	02A	Asbestos PLM	05/02/2019
1022822	02B	Asbestos PLM	05/02/2019
1022823	03A	Asbestos PLM	05/02/2019
1022824	03B	Asbestos PLM	05/02/2019
1022825	04A	Asbestos PLM	05/02/2019
1022826	04B	Asbestos PLM	05/02/2019
1022827	05A	Asbestos PLM	05/02/2019
1022828	05B	Asbestos PLM	05/02/2019
1022829	06A	Asbestos PLM	05/02/2019
1022830	06B	Asbestos PLM	05/02/2019
1022831	07A	Asbestos PLM	05/02/2019
1022832	07B	Asbestos PLM	05/02/2019
1022833	08A	Asbestos PLM	05/02/2019
1022834	08B	Asbestos PLM	05/02/2019
1022835	09A	Asbestos PLM	05/02/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1022836	09B	Asbestos PLM	05/02/2019
1022837	10A	Asbestos PLM	05/02/2019
1022838	10B	Asbestos PLM	05/02/2019
1022839	11A	Asbestos PLM	05/02/2019
1022840	11B	Asbestos PLM	05/02/2019
1022841	12A	Asbestos PLM	05/02/2019
1022842	12B	Asbestos PLM	05/02/2019
1022843	13A	Asbestos PLM	05/02/2019
1022844	13B	Asbestos PLM	05/02/2019
1022845	14A	Asbestos PLM	05/02/2019
1022846	14B	Asbestos PLM	05/02/2019
1022847	15A	Asbestos PLM	05/02/2019
1022848	15B	Asbestos PLM	05/02/2019
1022849	16A	Asbestos PLM	05/02/2019
1022850	16B	Asbestos PLM	05/02/2019
1022851	17A	Asbestos PLM	05/02/2019
1022852	17B	Asbestos PLM	05/02/2019
1022853	18A	Asbestos PLM	05/02/2019
1022854	18B	Asbestos PLM	05/02/2019
1022855	19A	Asbestos PLM	05/03/2019
1022856	19B	Asbestos PLM	05/03/2019
1022857	20A	Asbestos PLM	05/03/2019
1022858	20B	Asbestos PLM	05/03/2019
1022859	21A	Asbestos PLM	05/03/2019
1022860	21B	Asbestos PLM	05/03/2019
1022861	22A	Asbestos PLM	05/03/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1022862	22B	Asbestos PLM	05/03/2019
1022863	23A	Asbestos PLM	05/03/2019
1022864	23B	Asbestos PLM	05/03/2019
1022865	24A	Asbestos PLM	05/03/2019
1022866	24B	Asbestos PLM	05/03/2019
1022867	25A	Asbestos PLM	05/03/2019
1022868	25B	Asbestos PLM	05/03/2019
1022869	26A	Asbestos PLM	05/03/2019
1022870	26B	Asbestos PLM	05/03/2019
1022871	27A	Asbestos PLM	05/03/2019
1022872	27B	Asbestos PLM	05/03/2019

Reviewed by:   
Quality Assurance Coordinator

## Polarized Light Microscopy Asbestos Analysis Report

**To :** Environmental Testing And Consulting Inc.  
 38900 Huron River Drive  
 Romulus, MI 48174  
**Location :** Vacant Commercial Building  
 501 N. Berrien St, Albion, MI 49224

**ETC Job :** 221373  
**Client Project :** 221373  
**Date Collected :** 05/01/2019  
**Date Received :** 05/02/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1022819 01A Room 26 NE Window Analyst: Courtney Lane Date Analyzed : 05/02/2019	Window Glaze, Berrien Side	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1022820 01B Room 27 NE Window Analyst: Courtney Lane Date Analyzed : 05/02/2019	Window Glaze, Berrien Side	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1022821 02A Main Room 1 East Corner Window Analyst: Courtney Lane Date Analyzed : 05/02/2019	Window Glaze, Monroe Side	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1022822 02B Room 22 East Window Analyst: Courtney Lane Date Analyzed : 05/02/2019	Window Glaze, Monroe Side	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1022823 03A Main Room 1 Center Floor Analyst: Courtney Lane Date Analyzed : 05/02/2019	Poured Concrete	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1022824 03B Room 11 Center Floor Analyst: Courtney Lane Date Analyzed : 05/02/2019	Poured Concrete	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

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 Romulus, MI 48174  
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**ETC Job :** 221373  
**Client Project :** 221373  
**Date Collected :** 05/01/2019  
**Date Received :** 05/02/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1022825 04A Room 26 NE Wall Analyst: Courtney Lane Date Analyzed : 05/02/2019	Red Brick	Red Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1022826 04B Room 11 NE Wall Analyst: Courtney Lane Date Analyzed : 05/02/2019	Red Brick	Red Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1022827 05A Room 26 NE Wall Analyst: Courtney Lane Date Analyzed : 05/02/2019	Red Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1022828 05B Room 11 NE Wall Analyst: Courtney Lane Date Analyzed : 05/02/2019	Red Brick Mortar	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1022829 06A Center of Bath 24 Analyst: Courtney Lane Date Analyzed : 05/02/2019	Ceiling Tile	White Fibrous Homogenous	PLM 85% Cellulose PLM 5% Fiberglass	PLM 10% Other	PLM None Detected
1022830 06B North Corner of Bath 24 Analyst: Courtney Lane Date Analyzed : 05/02/2019	Ceiling Tile	White Fibrous Homogenous	PLM 80% Cellulose PLM 5% Fiberglass	PLM 15% Other	PLM None Detected

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**ETC Job :** 221373  
**Client Project :** 221373  
**Date Collected :** 05/01/2019  
**Date Received :** 05/02/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1022831 07A SW Floor Bath 24 Analyst: Courtney Lane Date Analyzed : 05/02/2019	9x9 Floor Tile	Beige Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 93% Other	PLM 2% Chrysotile
1022832 07B Center Floor Bath 24 Analyst: Courtney Lane Date Analyzed : 05/02/2019		Not Analyzed			
1022833 08A SW Floor Bath 24 Analyst: Courtney Lane Date Analyzed : 05/02/2019	Mastic	Black Non-Fibrous Homogenous	PLM 25% Cellulose	PLM 75% Other	PLM None Detected
1022834 08B Center Floor Bath 24 Analyst: Courtney Lane Date Analyzed : 05/02/2019	Mastic	Black Non-Fibrous Homogenous	PLM 40% Cellulose	PLM 60% Other	PLM None Detected
1022835 09A SW Floor Bath 24 Analyst: Courtney Lane Date Analyzed : 05/02/2019	Paper Backing	White Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
1022836 09B Center Floor Bath 24 Analyst: Courtney Lane Date Analyzed : 05/02/2019	Paper Backing	White Fibrous Homogenous	PLM 70% Cellulose	PLM 30% Other	PLM None Detected

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1022837 10A Room 22 SE Window Analyst: Courtney Lane Date Analyzed : 05/02/2019	Window Caulk	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 98% Other	PLM 2% Chrysotile
1022838 10B Room 20 SE Window Analyst: Courtney Lane Date Analyzed : 05/02/2019		Not Analyzed			
1022839 11A Bath 24 NW Wall Analyst: Courtney Lane Date Analyzed : 05/02/2019	Interior Caulk	White Non-Fibrous Homogenous	PLM 35% Cellulose	PLM 50% Other	PLM 15% Chrysotile
1022840 11B Bath 24 NW Wall Analyst: Courtney Lane Date Analyzed : 05/02/2019		Not Analyzed			
1022841 12A Exterior Roof South Analyst: Courtney Lane Date Analyzed : 05/02/2019	Roofing Material	Brown Fibrous Homogenous	PLM 20% Cellulose	PLM 80% Other	PLM None Detected
1022842 12B Exterior Roof East Analyst: Courtney Lane Date Analyzed : 05/02/2019	Roofing Material	Brown Fibrous Homogenous	PLM 65% Cellulose	PLM 35% Other	PLM None Detected

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**Client Project :** 221373  
**Date Collected :** 05/01/2019  
**Date Received :** 05/02/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1022843 13A Exterior Roof Center Analyst: Courtney Lane Date Analyzed : 05/02/2019	Tar, On Ledges	Dark Black Non-Fibrous Homogenous	PLM 65% Cellulose	PLM 33% Other	PLM 2% Chrysotile
1022844 13B Exterior Roof Center Analyst: Courtney Lane Date Analyzed : 05/02/2019		Not Analyzed			
1022845 14A Exterior Roof South Analyst: Courtney Lane Date Analyzed : 05/02/2019	Tar	Dark Gray Non-Fibrous Homogenous	PLM 30% Cellulose	PLM 66% Other	PLM 4% Chrysotile
1022846 14B Exterior Roof East Analyst: Courtney Lane Date Analyzed : 05/02/2019		Not Analyzed			
1022847 15A Elevator Step 29 SE Layer-1 Analyst: Courtney Lane Date Analyzed : 05/02/2019	Shingle	Gray Non-Fibrous Homogenous	PLM 65% Cellulose	PLM 35% Other	PLM None Detected
1022847 15A Elevator Step 29 SE Layer-2 Analyst: Courtney Lane Date Analyzed : 05/02/2019	Tar	Black Non-Fibrous Homogenous	PLM 10% Cellulose	PLM 90% Other	PLM None Detected

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1022848 15B Elevator Step 29 SE Layer-1 Analyst: Courtney Lane Date Analyzed : 05/02/2019	Shingle	Gray Non-Fibrous Homogenous	PLM 80% Cellulose	PLM 20% Other	PLM None Detected
1022848 15B Elevator Step 29 SE Layer-2 Analyst: Courtney Lane Date Analyzed : 05/02/2019	Tar	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1022849 16A SW Exterior Roof Analyst: Courtney Lane Date Analyzed : 05/02/2019	Roofing Insulation	Black/Tan Fibrous Non-Homogenous	PLM Trace Cellulose PLM 60% Fiberglass	PLM 40% Other	PLM None Detected
1022850 16B SW Exterior Roof Analyst: Courtney Lane Date Analyzed : 05/02/2019	Roofing Insulation	Black/Tan Fibrous Non-Homogenous	PLM Trace Cellulose PLM 75% Fiberglass	PLM 25% Other	PLM None Detected
1022851 17A Room 22 SE Wall Analyst: Courtney Lane Date Analyzed : 05/02/2019	Fiberboard, Under Steel Panels	Tan Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1022852 17B Room 22 SE Wall Analyst: Courtney Lane Date Analyzed : 05/02/2019	Fiberboard, Under Steel Panels	Tan Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected

### Polarized Light Microscopy Asbestos Analysis Report

**To :** Environmental Testing And Consulting Inc.  
38900 Huron River Drive  
Romulus, MI 48174  
**Location :** Vacant Commercial Building  
501 N. Berrien St, Albion, MI 49224

**ETC Job :** 221373  
**Client Project :** 221373  
**Date Collected :** 05/01/2019  
**Date Received :** 05/02/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1022853 18A SE Door Room 26 Analyst: Courtney Lane Date Analyzed : 05/02/2019	Cloth Vibration Dampener, Under Firedoor	Gray Fibrous Homogenous	PLM 85% Cellulose	PLM 15% Other	PLM None Detected
1022854 18B SE Door Room 26 Analyst: Courtney Lane Date Analyzed : 05/02/2019	Cloth Vibration Dampener, Under Firedoor	Gray Fibrous Homogenous	PLM 85% Cellulose	PLM 15% Other	PLM None Detected
1022855 19A North Floor Main Room 1 Analyst: Courtney Lane Date Analyzed : 05/03/2019	12x12 Floor Tile	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1022856 19B North Floor Main Room 1 Analyst: Courtney Lane Date Analyzed : 05/03/2019	12x12 Floor Tile	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1022857 20A Room 17 SW on Machine Analyst: Courtney Lane Date Analyzed : 05/03/2019	Machine Insulation	Tan/Orange Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
1022858 20B Room 17 SW on Machine Analyst: Courtney Lane Date Analyzed : 05/03/2019	Machine Insulation	Tan/Orange Fibrous Homogenous	PLM 85% Cellulose	PLM 15% Other	PLM None Detected

## Polarized Light Microscopy Asbestos Analysis Report

**To :** Environmental Testing And Consulting Inc.  
 38900 Huron River Drive  
 Romulus, MI 48174  
**Location :** Vacant Commercial Building  
 501 N. Berrien St, Albion, MI 49224

**ETC Job :** 221373  
**Client Project :** 221373  
**Date Collected :** 05/01/2019  
**Date Received :** 05/02/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1022859 21A Room 17 SW on Machine Analyst: Courtney Lane Date Analyzed : 05/03/2019	Caulk	Tan Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1022860 21B Room 17 SW on Machine Analyst: Courtney Lane Date Analyzed : 05/03/2019	Caulk	Tan Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1022861 22A Main Room 1 NE Wall Analyst: Courtney Lane Date Analyzed : 05/03/2019	Cinderblock	Gray Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1022862 22B Room 10 NE Wall Analyst: Courtney Lane Date Analyzed : 05/03/2019	Cinderblock	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1022863 23A Main Room 1 NE Wall Analyst: Courtney Lane Date Analyzed : 05/03/2019	Cinderblock Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1022864 23B Room 10 NE Wall Analyst: Courtney Lane Date Analyzed : 05/03/2019	Cinderblock Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected

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.

## Polarized Light Microscopy Asbestos Analysis Report

**To :** Environmental Testing And Consulting Inc.  
 38900 Huron River Drive  
 Romulus, MI 48174  
**Location :** Vacant Commercial Building  
 501 N. Berrien St, Albion, MI 49224

**ETC Job :** 221373  
**Client Project :** 221373  
**Date Collected :** 05/01/2019  
**Date Received :** 05/02/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1022865 24A Room 11 Center Room Analyst: Courtney Lane Date Analyzed : 05/03/2019	Wire Insulation	Black Non-Fibrous Homogenous	PLM 85% Cellulose	PLM 15% Other	PLM None Detected
1022866 24B Room 11 Center Room Analyst: Courtney Lane Date Analyzed : 05/03/2019	Wire Insulation	Black Non-Fibrous Homogenous	PLM 75% Cellulose	PLM 25% Other	PLM None Detected
1022867 25A Room 26 NE Wall Analyst: Courtney Lane Date Analyzed : 05/03/2019	Fiberboard	Tan Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1022868 25B Room 19 NW Debris Analyst: Courtney Lane Date Analyzed : 05/03/2019	Fiberboard	Tan Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1022869 26A Exterior SE Analyst: Courtney Lane Date Analyzed : 05/03/2019	Exterior Caulk, Thin	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1022870 26B Exterior NE Analyst: Courtney Lane Date Analyzed : 05/03/2019	Exterior Caulk, Thin	White Non-Fibrous Homogenous	PLM 40% Cellulose	PLM 60% Other	PLM None Detected

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## Polarized Light Microscopy Asbestos Analysis Report

**To :** Environmental Testing And Consulting Inc.  
 38900 Huron River Drive  
 Romulus, MI 48174  
**Location :** Vacant Commercial Building  
 501 N. Berrien St, Albion, MI 49224

**ETC Job :** 221373  
**Client Project :** 221373  
**Date Collected :** 05/01/2019  
**Date Received :** 05/02/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1022871 27A Exterior SW Analyst: Courtney Lane Date Analyzed : 05/03/2019	Exterior Caulk	Tan/Black Non-Fibrous Homogenous	PLM 45% Cellulose	PLM 55% Other	PLM None Detected
1022872 27B Exterior SW Analyst: Courtney Lane Date Analyzed : 05/03/2019	Exterior Caulk	Tan/Black Non-Fibrous Homogenous	PLM 55% Cellulose	PLM 45% Other	PLM None Detected

*Jan McCuller*

Lab Supervisor/Other Signatory

Analyst:

*Courtney Lane*

Courtney Lane

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

**Bulk Asbestos/Mold  
 Chain of Custody**

ETL Project #: 221373

<b>Client:</b> ETL	<b>Contact:</b> Jake Gleason <b>Phone:</b> 734 9556600	<b>Project Location/Name:</b> 501A Berrien St Albion MI 49224
<b>Address:</b> 38900W Huron River Dr	<b>Fax:</b> - <b>E-mail:</b> results@2etl.com	<b>Client Project #:</b> 221373
<b>Please Provide Results:</b> <input type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other _____		<b>Date Sampled:</b> 5/1/19

**Turnaround Time (TAT):**  RUSH (2 hrs)  Same Day  24 hrs  48 hrs  Standard (3-5 days)  Other \_\_\_\_\_

**Asbestos PLM/Mold Instructions**  
 (Check all that apply)

PLM EPA600/R-93/116, 1993 (Standard method) <input checked="" type="checkbox"/>	Stop at 1st Positive: Yes <input checked="" type="checkbox"/> / No <input type="checkbox"/>
Point Counting: Yes <input type="checkbox"/> / No <input type="checkbox"/> *400 Points <input type="checkbox"/> *1000 Points <input type="checkbox"/>	Clearly Mark Homogenous Group
Point Counting Criteria:	*Gravimetric Reduction <input type="checkbox"/> *Nuisance Dust <input type="checkbox"/>
Mold Air <input type="checkbox"/> Mold Tape <input type="checkbox"/> Mold Bulk <input type="checkbox"/>	*Soil or Vermiculite Analysis <input type="checkbox"/>

\* Additional charge and turnaround may be required

Lab ID	Sample ID	Sample Location	Material Description/Volume
	01A-B	see attached pages	see attached pages
	↓		
	27A-B		

<b>Relinquished (Name/Organization):</b> Heather Boone	<b>Date:</b> 5/1/19	<b>Time:</b> 5:30 AM/PM
<b>Received (Name/ETL):</b> Camille Springer	<b>Date:</b> 5/2/19	<b>Time:</b> 9:07 AM/PM
<b>Stereoscopic/Sample Analysis (Name/ETL):</b> Cody T. R.		

<b>Special Instructions:</b>	<b>Remarks:</b>
------------------------------	-----------------

\*\*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  
 \*\*RUSHES ARE NOT ACCEPTED AFTER 3:00 PM AND SAME DAYS ARE NOT ACCEPTED AFTER 2:00 PM

# Asbestos Material Sampling Summary Sheet

## Miscellaneous materials

Revision date 5/7/2015

Job #: 221873

Building: 501 N Berrien St

Date: 5/1/19

Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Date: 5/1/19		
					Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
01	Material: Window Glaze	NF <sub>2</sub>	A	1022819 Room 26 NE window	throughout	~150 units	34
	Description (Berrien side) grey		B	Room 27 NE window			
02	Material: Window Glaze	NF <sub>2</sub>	A	Main Room 1 east corner window	throughout	~88 units	43
	Description (Monroe side) grey		B	Room 22 east window			
03	Material: Poured concrete	NF <sub>2</sub>	A	Main Room 1 center floor	throughout	120,000 SF	30
	Description grey		B	Room 11 center floor			
04	Material: Red Brck	NF <sub>2</sub>	A	Room 26 NE wall	throughout	50,400 SF	22
	Description red		B	Room 11 NE wall			
05	Material: Red Brck Mortar	NF <sub>2</sub>	A	same as 04A	throughout	50,400 SF	22
	Description grey		B	same as 04B			
06	Material: Ceiling Tile	NF <sub>2</sub>	A	Center of bath 24	24	120 SF	36
	Description white		B	North corner of bath 24			
07	Material: Floor tile	NF <sub>1</sub>	A	SW floor bath 24	24	120 SF	35
	Description 9x9 beige		B	Center floor bath 24			
08	Material: Mastix	NF <sub>1</sub>	A	same as 07A	24	120 SF	35
	Description black		B	same as 07B			
09	Material: Paperbacking	NF <sub>1</sub>	A	same as 07A	24, 16	240 SF	35
	Description white		B	same as 07B			
10	Material: Window Caulk	NF <sub>2</sub>	A	Room 22 SE window	throughout	1000 SF	43
	Description white		B	Room 20 SE window			

# Asbestos Material Sampling Summary Sheet

## Miscellaneous materials

Revision date 5/7/2015

Job #: 221373

Building: 501 N Berrien St

Date: 5/1/19

Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Date	Material Located throughout bldg (Please List all Rooms)		Quantity	Picture #
						Material Located throughout bldg (Please List all Rooms)	Quantity		
11	Material: Interior caulk	NF <sub>2</sub>	A	Bath 24 NW wall 1022839	5/1/19				
	Description: white		B	Bath 29 NW wall 840					
12	Material: Roofing material	NF <sub>2</sub>	A	exterior roof South 841				20 SF	36
	Description: brown		B	exterior roof east 842					
13	Material: Tar	NF <sub>2</sub>	A	exterior roof center 843				60000 SF	18
	Description: dark black (on ledges)		B	exterior roof center 844					
14	Material: tar	NF <sub>2</sub>	A	same as 12A 845				60000 SF	19
	Description: dark grey		B	same as 12B 846					
15	Material: Shingle	NF <sub>2</sub>	A	Elevator step 29 SE 847				60000 SF	14
	Description: grey		B	Elevator step 29 SE 848 (step)					
16	Material: Roofing Insulation	F	A	SW exterior roof 849				10 SF	19
	Description: black (tan)		B	SW exterior roof 850					
17	Material: Fiberboard	NF <sub>2</sub>	A	Room 22 SE wall 851				60 SF	32
	Description: tan (under steel panels)		B	Room 22 SE wall 852					
18	Material: Cloth vibration Damper	NF <sub>2</sub>	A	SE door Room 26 853				10 SF	40
	Description: grey (under fire door)		B	SE door Room 26 854					
19	Material: floor tile	NF <sub>1</sub>	A	North floor Main Room 1 855				30 SF	46
	Description: 12x12 grey		B	North floor Main Room 1 856					
20	Material: Machine Insulation	F	A	Room 17 SW on machine 857				15 SF	49
	Description: tan/orange		B	Room 17 SW on machine 858					



# Asbestos Material Sampling Summary Sheet

## Miscellaneous materials

Revision date 5/7/2015

Job #: 221373		Building: 501 N Berrien St			Date: 5/1/19		
Material no.	Material Description	Friable (F)/ Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
21	Material: Caulk Description: (on machine) tan	NF <sub>2</sub>	A	Same as 20A 1022859	17	15 SF	50
22	Material: Cinderblock Description: grey		A	Same as 20B 860			
23	Material: Cinderblock mortar Description: grey	NF <sub>2</sub>	A	Main Room 1 NE wall 861	throughout	2800 SF	27
			B	Room 10 NE wall 862			
24	Material: Wire Insulation Description: black	NF <sub>2</sub>	A	Same as 22A 863	throughout	2200 SF	27
			B	Same as 22B 864			
25	Material: Fiberboard Description: tan	NF <sub>2</sub>	A	Room 11 center room 865	11	30 SF	51
			B	Room 11 center room 866			
26	Material: exterior caulk Description: white (thin)	NF <sub>2</sub>	A	Room 26 NE wall 867	26, 19	240 SF	44
			B	Room 19 NW debris 868			
27	Material: exterior caulk Description: tan/black	NF <sub>2</sub>	A	exterior SE 869	ext building	600 SF	58
			B	exterior NE 870			
	Material: Description:		A	exterior SW 871	ext building	100 SF	62
			B	exterior SW 872			
	Material: Description:		A				
	Material: Description:		B				
	Material: Description:		A				
	Material: Description:		B				
	Material: Description:		A				
	Material: Description:		B				

United States Department of Commerce  
National Institute of Standards and Technology



**Certificate of Accreditation to ISO/IEC 17025:2005**

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 Communique dated January 2009).*

2018-04-01 through 2019-03-31

*Effective Dates*



A handwritten signature in black ink, appearing to read 'David S. Gorman', is written over a horizontal line.

*For the National Voluntary Laboratory Accreditation Program*

United States Department of Commerce  
National Institute of Standards and Technology



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**Certificate of Accreditation to ISO/IEC 17025:2005**

---

NVLAP LAB CODE: 101977-0

**ACM Engineering & Environmental Services, Inc.**  
South Bend, IN

*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 Communique dated January 2009).*

---

2018-07-01 through 2019-06-30

*Effective Dates*



A handwritten signature in black ink, reading 'Tara S. Gaman'. The signature is written over a horizontal line.

*For the National Voluntary Laboratory Accreditation Program*

Attachment:

Inspection Procedures

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

### **HAZARDOUS MATERIALS INSPECTION**

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs**.

### **ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION**

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

#### **Asbestos Inspection**

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

#### **Sample Collection**

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2**. A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing**.

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

### **Laboratory Analysis / Results**

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in **Attachment: Laboratory Analytical Results.**

### **SIGNATURE**

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.



Prepared by: \_\_\_\_\_

Heather Broome , Michigan Certified Asbestos Inspector (s)  
Michigan Accreditation Number (s) A-48908