



HAZARDOUS BUILDING MATERIALS SURVEY REPORT

PREPARED FOR:

Story Construction
2810 Wakefield Circle
Ames, Iowa 50010

PROJECT LOCATION:

Medical Center
1251 334th Street
Woodward, Iowa 50276

Project Dates: January 3, 2022; November 17, 2022; May 17, 2023, & October 4, 2023

Report Date: November 9, 2023

Atlas Project ID: 204BS06333

Atlas Technical Consultants
4503 E 50th Street, Suite 800
Des Moines, IA 50317



November 9, 2023

Story Construction
Mr. Eli Ralston
Project Superintendent
2810 Wakefield Circle
Ames, Iowa 50010

Re: Hazardous Building Materials Survey Report
Medical Center
1251 334th Street
Woodward, Iowa 50276
Atlas Project Number: 204BS06333

Atlas is pleased to submit the attached Hazardous Building Materials Survey Report for the above-referenced site. This report includes procedures, methodologies and analytical laboratory results.

Atlas appreciates the opportunity to perform these services for the IDAS and Story Construction, and we look forward to working with you in the future. If you need any assistance with the implementation of the recommendations contained in this report, please feel free to give us a call at (515) 981-4528 and we will respond promptly to your needs.

Sincerely,

ATLAS TECHNICAL CONSULTANTS, LLC

A handwritten signature in blue ink that reads "Eric Brown".

Eric Brown
Iowa Inspector
(515) 981-4528

A handwritten signature in black ink that reads "Steve Hudson".

Steve Hudson, MS, CIH
Senior Project Manager
(402) 670-3842

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H A Z A R D O U S B U I L D I N G M A T E R I A L S S U R V E Y R E P O R T

Medical Center
1251 334th Street
Woodward, Iowa 50276
Atlas Project Number: 204BS06333

1.0 SCOPE OF SERVICES

The purpose of this project was to perform a survey for hazardous building materials that may be impacted by planned renovation activities at the above-referenced property.

Atlas provided a representative hazardous building materials survey in accordance with the referenced agreement and as outlined below:

1. Review any and incorporate any existing hazardous building material survey reports relating to the site, if available.
2. Identify suspect asbestos-containing materials (ACM), surface coatings potentially containing lead paint, and hazardous building materials within the planned renovation work areas.
3. Collect and analyze bulk samples of suspect asbestos containing materials and collect paint chip samples from representative surface coatings potentially containing lead-based or lead-containing paint.
4. Provide laboratory analysis of collected samples.
5. Provide a report of findings with copies and interpretation of analytical results and identifying the locations of asbestos-containing materials, lead paint, and hazardous building materials.

2.0 GENERAL SITE CONDITIONS

Four separate surveys (January 3, 2022, November 17, 2022, May 17, 2023, and October 8, 2023) were conducted at the Medical Center located at 1251 334th Street in Woodward, Iowa.

3.0 ASBESTOS SURVEY

On January 3, 2022, November 17, 2022, May 17, 2023, and October 8, 2023, the Medical Center at 1251 334th Street in Woodward, Iowa 50276 was inspected for asbestos-containing building materials by inspectors Eric Brown, Doug Sayer, and Eric Mueggenberg of Atlas. All three have completed the requisite training for asbestos accreditation as inspectors at a state approved training provider under

TSCA Title II. Mr. Brown's, Mr. Sayer's, and Mr. Mueggenberg's State of Iowa Inspector numbers are 23-9474, 22-7850, and 21-5776, respectively.

The planned renovation work areas were visually inspected for the presence of suspect asbestos-containing materials (ACM). Materials that were hidden, not accessible, or when sampled would damage the integrity of the structure, were not sampled as part of this survey. Materials visibly identified as non-asbestos (fibrous glass, foam rubber, wood, etc.) were not sampled. The asbestos survey consisted of three basic steps: **1)** a visual inspection of the proposed work areas; **2)** a determination of homogeneous areas with suspect surfacing, thermal system insulation, and miscellaneous materials; and **3)** sampling accessible, friable and non-friable, suspect materials.

3.1 Regulation Review

The U.S. EPA qualifies asbestos-containing materials (ACM) as materials with an asbestos content greater than 1%. The following definitions are taken from Section 61.141 of Subpart M, Part 61 of Title 40: Protection of Environment of the Code of Federal Regulations (CFR).

- “Category I non-friable asbestos-containing material (ACM)” is defined as asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1% asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy (PLM).
- “Category II non-friable ACM” is defined as any material, excluding Category I non-friable ACM, containing more than 1% asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, PLM that, when dry, **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.
- “Friable asbestos material” is defined as any material containing more than 1% asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, PLM that when dry, **can** be crumbled, pulverized, or reduced to powder by hand pressure. If the asbestos content is less than 10% as determined by a method other than point counting by PLM, verify the asbestos content by point counting using PLM.



3.2 Homogeneous Areas

Prior to sampling, homogeneous areas were identified in order to facilitate a sampling strategy. A homogeneous sampling area can be described as one or more areas with suspect material similar in appearance and texture that have the same installation date and function. The actual number of samples collected from each homogeneous sampling area may vary, dependent upon material type and the professional judgment of the inspector.

3.3 Sampling Strategy

The sampling strategy incorporated AHERA requirements, quantities of suspect material, and the inspector’s judgment to aid in the identification of suspect asbestos-containing materials. If the analytical results indicated that all the samples collected per homogeneous area did not contain asbestos, then the homogeneous area (material) was considered non-asbestos-containing. However, if the analytical results of one or more of the samples collected per homogeneous area indicated that asbestos was present in quantities greater than one percent asbestos (as defined by EPA), all of the homogeneous area (material) was treated as an asbestos-containing material regardless of any other analytical results. Materials which were visually determined to be non-asbestos (i.e. fibrous glass, foam rubber, etc.) by the accredited inspector were not required to be sampled. Actual collection of a bulk asbestos sample involves physically removing approximately one square inch (1 in²) of material and placing it in an airtight sample container. Sample containers were marked with a unique identification number, which was documented in the field notes.

3.4 Suspect Asbestos-Containing Materials

The following tables contain a list of the one hundred sixty-four (164) identified suspect asbestos containing materials sampled:

TABLE 1A: SUSPECT BUILDING MATERIALS (JANUARY 3, 2022 SITE VISIT)		
MATERIAL	LOCATION	SAMPLE NUMBER
6" Black Cove Base	Throughout	MC-1
Cove Base Mastic	Throughout	MC-2
Blue Laminate Flooring	Room 257	MC-3
Tan Mastic	Throughout	MC-4
Floor Leveling Compound	Throughout	MC-5
Tan Duct Sealant	Throughout	MC-6



**TABLE 1A: SUSPECT BUILDING MATERIALS
 (JANUARY 3, 2022 SITE VISIT)**

MATERIAL	LOCATION	SAMPLE NUMBER
2' x 2' Ceiling Tile	Throughout	MC-7
White Window Glazing	Windows	MC-8
White Terrazzo	Throughout	MC-9
White Sink Insulation	Room 263	MC-10
White Caulk	Throughout	MC-11
Drywall Mud	Throughout	MC-12A, B, C, D, E
Gray Ceramic Tile Grout	Restrooms	MC-13
12" x 12" Brown Vinyl Floor Tile	Room 268	MC-14
Tan VFT Mastic	Room 268	MC-15
Terrazzo Janitor Sink	Room 268	MC-16
TSI Duct Wrap, Foil over Paper	Throughout	MC-17A, B, C
Gray Ceramic Tile Grout	Restrooms	MC-18
Gray Sink Insulation	Room 237	MC-19
Vibration Damper	Attic	MC-20
White Duct Wrap	Attic	MC-21
Roof Gypsum	Attic	MC-22
Fireproof Caulk	3 rd Floor Utility Room	MC-23
Brick Mortar	Attic	MC-24
TSI 2" Pipe, Foil over Paper	Throughout	MC-25A, B, C
Tan Carpet Mastic	2 nd Floor	MC-26
Gray Ceramic Tile Grout	Restrooms	MC-27
Plaster	Throughout	MC-28A, B, C, D, E
Skim Coat	Throughout	MC-29A, B, C, D, E
Tan, Brittle Linoleum	Room 244	MC-30
Dark Tan Mastic	Room 244	MC-31
Tan, Pliable Linoleum	Room 244	MC-32
Tan Mastic	Room 244	MC-33
Black Sink Insulation	Room 232	MC-34



**TABLE 1A: SUSPECT BUILDING MATERIALS
 (JANUARY 3, 2022 SITE VISIT)**

MATERIAL	LOCATION	SAMPLE NUMBER
9" x 9" VFT	Basement and 2 nd Floor	MC-35
Brown VFT Mastic	Basement and 2 nd Floor	MC-36
Linoleum	Rooms 233 and 239	MC-37
Linoleum Mastic	Rooms 233 and 239	MC-38
Dark Red Terrazzo	Throughout	MC-39
2' x 2' Ceiling Tile	Throughout	MC-40
Red Terrazzo, Repair Patches	Throughout	MC-41
Black Sink Insulation	Room 134	MC-42
Drywall Tape	Throughout	MC-43
Drywall	Throughout	MC-44
Floor Leveling Compound	Basement	MC-45
Floor Leveling Compound	Basement	MC-46
Black VFT Mastic	Basement	MC-47
9" x 9" Brown VFT	Basement	MC-48
TSI 1" Pipe	Throughout	MC-49A, B, C
TSI ½" Pipe	Throughout	MC-50A, B, C
9" x 9" Gray-Beige VFT	Throughout	MC-51
Black VFT Mastic	Throughout	MC-52
TSI 1" Elbow	Throughout	MC-53A, B, C
TSI ½" Elbow	Throughout	MC-54A, B, C
TSI 2" Pipe	Throughout	MC-55A, B, C
TSI Aircell	Basement	MC-56A, B, C
Vibration Damper	Basement Mechanical Room	MC-57
Window Glazing	Windows	MC-58
Gray Blown Insulation	Basement	MC-59A, B, C
Floor Surfacing	Basement	MC-60
Black Tar	Basement Tunnel Entrance	MC-61



TABLE 1B: SUSPECT BUILDING MATERIALS (NOVEMBER 18, 2022 SITE VISIT)		
MATERIAL	LOCATION	SAMPLE NUMBER
9" x 9" VFT Beige	Basement Room B09	WRC-1
VFT Mastic Black	Basement Room B09	WRC-2
Insulation	Basement Room B09	WRC-3
Fireproof Caulk Red	Basement	WRC-4
Black Cove Base 4"	Basement	WRC-5
Brown Cove Base Mastic	Basement	WRC-6
Terrazzo	First Floor	WRC-7
Plaster	First Floor	WRC-8
Skim Coat	First Floor	WRC-9
2' x 4' Ceiling Tile	First Floor	WRC-10
1' x 1' Ceiling Tile	First Floor	WRC-11
Ceiling Pucks Brown	First Floor	WRC-12
Decorative Plaster	First Floor	WRC-13
Terrazzo	Second Floor	WRC-14
2' x 4' Ceiling Tile	Second Floor	WRC-15
Plaster	Second Floor	WRC-16
Skim Coat	Second Floor	WRC-17
Textured Paint	Third Floor	WRC-18
Pyrobar block	Third Floor	WRC-19
Brick Mortar	Third Floor	WRC-20
Terrazzo	Third Floor	WRC-21

TABLE 1C: SUSPECT BUILDING MATERIALS (MAY 17, 2023 SITE VISIT)		
MATERIAL	LOCATION	SAMPLE NUMBER
Window Caulk White	Medical Center N	WRC MC-1
Window Caulk White	Medical Center S	WRC MC-2
Window Caulk White	Medical Center W	WRC MC-3



TABLE 1D: SUSPECT ASBESTOS MATERIALS (OCTOBER 4, 2023 SITE VISIT)		
MATERIAL	LOCATION	SAMPLE NUMBER
Skim Coat	Basement	MC 1
CMU Mortar	Basement	MC 2
Ceiling Tile	Basement	MC 3
Drywall	Basement	MC 4
Drywall Mud	Basement	MC 5
TSI Run Med	Basement Chilled H2O Supply	MC 6
TSI Run Med	Basement Steam Supply	MC 7
TSI Run Med	Basement	MC 8
Vibration Damper	Basement	MC 9
Fireproof Caulk	Basement	MC 10
TSI Sm	Basement	MC 11
TSI Sm	Basement	MC 12
TSI Sm	Basement	MC 13
Blue Vinyl Flooring, Stair treads	Basement Stairs	MC 14
4" Black Cove Base	Basement Stairs	MC 15
Drywall Mud	1 st Floor	MC 16
Floor Tile Grout	1 st Floor	MC 17
4" Black Cove Base	1 st Floor	MC 18
Cove Base Mastic	1 st Floor	MC 19
Drywall	1 st Floor	MC 20
White Caulk	1 st Floor Restrooms	MC 21
2' x 2' Ceiling Tile	1 st Floor	MC 22
Blue Vinyl Flooring	1 st Floor NE Corner of Hallway	MC 23



TABLE 1D: SUSPECT ASBESTOS MATERIALS (OCTOBER 4, 2023 SITE VISIT)		
MATERIAL	LOCATION	SAMPLE NUMBER
2' x 2' Ceiling Tile	1 st Floor Breakroom	MC 24
Sink Insulation	1 st Floor Utility Room	MC 25
12" x 12" VFT Tan	1 st Floor Kitchen	MC 26
VFT Mastic Yellow	1 st Floor Kitchen	MC 27
VFT Mastic Yellow	1 st Floor	MC 28
White Caulk	1 st Floor Restroom	MC 29
Blue Vinyl Flooring	1 st Floor	MC 30
Drywall	1 st Floor	MC 31
White Caulk	1 st Floor	MC 32
Drywall Brown	1 st Floor Janitor Room	MC 33
2' x 2' Ceiling Tile	1 st Floor Janitor Room	MC 34
White Sink Insulation	1 st Floor West Utility Room	MC 35
Drywall & Joint Compound	1 st Floor Janitor Room	MC 36
Joint Compound	1 st Floor	MC 37
Drywall White	1 st Floor West Utility Room	MC 38
Drywall Mud	1 st Floor	MC 39
Tan Floor Tile Grout	1 st Floor Oxygen Storage Room	MC 40
Tan Floor Tile Grout	1 st Floor Shower Room	MC 41



TABLE 1D: SUSPECT ASBESTOS MATERIALS (OCTOBER 4, 2023 SITE VISIT)		
MATERIAL	LOCATION	SAMPLE NUMBER
Drywall Mud	1 st Floor Entrance	MC 42
Dark Brown Mastic	1 st Floor Entrance	MC 43

The following tables are a summary of the suspect asbestos-containing materials that have been determined, through laboratory analysis, to contain asbestos:

TABLE 2A: IDENTIFIED ASBESTOS-CONTAINING MATERIALS (JANUARY 3, 2022 SITE VISIT)				
MATERIAL	LOCATION	SAMPLE NUMBER	APPROX. QUANTITY	ASBESTOS CONTENT
Blue Laminate Flooring	Room 257	MC-3	600 SQFT	3% Chrysotile
Tan Duct Sealant	Throughout	MC-6	200 Joints	2% Chrysotile
White Window Glazing	Windows	MC-8,58	140 MF	2% Anthophyllite 2-3% Chrysotile
Drywall Mud	Throughout	MC-12A, B, C, D, E	Throughout	2% Chrysotile
Gray Sink Insulation	Room 237	MC-19	4 sinks	5% Chrysotile
9" x 9" Brown and gray/beige with pink, white, blue, brown VFT	Basement	MC-48, MC-51	3,000 SQFT	3-5% Chrysotile
TSI Elbow	Throughout	MC-53A, B, C	~1,400 MF	2% Chrysotile
TSI 2" Pipe	Throughout	MC-55A, B, C	600 LF	10-20% Amosite 5% Chrysotile
TSI Aircell	Basement	MC-56A, B, C	700 LF	40-65% Chrysotile

SQFT = Square Feet, LF = Linear Feet MF = Mechanical Fittings



TABLE 2B: IDENTIFIED ASBESTOS-CONTAINING MATERIALS (FROM NOVEMBER 18, 2022 SITE VISIT)				
MATERIAL	LOCATION	SAMPLE NUMBER	APPROX. QUANTITY	ASBESTOS CONTENT
9" x 9" VFT	Basement – Room B09	WRC-1	450 SQFT	5% Chrysotile
Cove Base Mastic	Basement	WRC-6	100 LF	3% Chrysotile
Brown Ceiling Pucks	First Floor	WRC-12	120 SQFT	3% Chrysotile

SQFT = Square Feet, LF = Linear Feet MF = Mechanical Fittings

TABLE 2C. IDENTIFIED ASBESTOS CONTAINING MATERIALS (MAY 17, 2023 SITE VISIT)				
MATERIAL	LOCATION	SAMPLE NUMBER	APPROX. QUANTITY	ASBESTOS CONTENT
Exterior Window Caulking (White)	Exterior Windows Throughout	WRC-MC-1	Throughout	5% Chrysotile Asbestos
Exterior Window Caulking (White)		WRC-MC-2		ND
Exterior Window Caulking (White)		WRC-MC-2		5% Chrysotile Asbestos

TABLE 2D: IDENTIFIED ASBESTOS-CONTAINING MATERIALS (OCTOBER 4, 2023 SITE VISIT)				
MATERIAL	LOCATION	SAMPLE NUMBER	APPROX. QUANTITY	ASBESTOS CONTENT
TSI Run Med Size (Mastic on TSI)	Basement Steam Supply	MC 7, MC 8	50 LF	4% Chrysotile
Blue Vinyl Flooring, Treads	Basement Stairs	MC 14	60 SQFT	3% Chrysotile
Blue Vinyl Flooring	1 st Floor Predominant throughout	MC 23, MC 30	5,000 SQFT	3% Chrysotile



**TABLE 2D: IDENTIFIED ASBESTOS-CONTAINING MATERIALS
 (OCTOBER 4, 2023 SITE VISIT)**

MATERIAL	LOCATION	SAMPLE NUMBER	APPROX. QUANTITY	ASBESTOS CONTENT
Sink Insulation	1 st Floor Utility Room	MC 25	1 Sink	15% Chrysotile
White Bathroom Sink Caulk	1 st Floor Toilet Rooms (3 ea.)	MC 32	28 LF	<1% Chrysotile
White Sink Insulation	1 st Floor West Utility Room	MC 35	1 Sink	8% Chrysotile

SQFT = Square Feet, LF = Linear Feet MF = Mechanical Fittings

3.5 Laboratory Analytical Results

Bulk samples were analyzed by EMSL Analytical, Inc.. Polarized Light Microscope analysis, utilizing dispersion staining techniques (ref.: EPA Method 600/M4-82-020), was performed to determine the asbestos content of the bulk samples collected at the site. This laboratory is currently a proficient participant in the American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing Program; a quality assurance program for polarized light microscopy analysis. Any material that contains greater than one percent asbestos is considered an ACM and must be handled according to Occupational Safety and Health Administration (OSHA), EPA, and all applicable state and local regulations.

Laboratory test results are provided in Appendix A.

4.0 LEAD PAINT SURVEY

On January 3, 2022, November 18, 2022, and October 4th, 2023 the Medical Center was inspected for lead paint by Eric Brown, Doug Sayer, and Eric Mueggenberg of Atlas. The purpose of the survey was to identify locations and concentrations of lead in paints and coatings on interior building components that may be disturbed as part of planned renovation activities.

4.1 Inspection

The lead survey was performed in general accordance with the U.S. Housing and Urban Development Chapter 7 of the *Guidelines for the evaluation and Control of Lead-Based Paint Hazards in Housing* (1997 Revision). Survey criteria included the inspection and sampling of the representative painted surfaces on the interior of the building.

Regulatory limits from the Housing and Urban Development (HUD) and the



Environmental Protection Agency (EPA) establishes that lead-based paint (LBP) by definition is paint that contains more than 0.5% of lead in paint. OSHA’s “Lead in Construction Standard” (29 CFR 1926.1101) addresses any concentration of lead in paint (“lead-containing paint”).

Prior to demolition or renovation activities, all contractors involved should be notified regarding the presence of painted components under the guidelines of the OSHA Lead in Construction standard 29 CFR 1926.62. Care should be exercised in acknowledging that the OSHA 29 CFR 1926.62 has no LBP threshold definition and is concerned with exposures generated by LBP disturbances, which may include materials containing less than 0.5% lead by weight. The OSHA regulations are based strictly on airborne lead concentrations; therefore, the measured lead concentration of the paint and the method of paint disturbance will both factor into the potential airborne hazard.

OSHA requires the contractor to inform its employees of potential lead hazards, based upon the work being performed. The purpose of OSHA’s Lead Construction Standard is to reduce the exposure to lead for all construction workers. It is for this reason that Atlas recommends contractors be informed of the presence of lead. OSHA’s standard includes an 8-hour time weighted average (TWA) of 50 micrograms of lead per cubic meter of air (mg/m³) and an action level (regardless of respirator use) of 30 mg/m³.

Prior to disposal of debris that contains materials that have been found to contain lead, conduct a Toxicity Characteristic Leaching Procedures (TCLP) on representative solid wastes. This will determine if the debris requires a hazardous waste disposal site. A TCLP was not collected as part of this current inspection.

4.2 Lead Paint Testing

A total of seventy (70) surface coatings were tested to determine the concentration of lead. The sampling generally involved the collection of the paint on the surface down to the substrate over an area of approximately 2 to 3 square inches; and/or XRF analysis. A summary of the tested paints is provided in the table below. In order for a surface coating to be considered a lead-based paint, the paint must contain lead in concentrations greater than 0.5% by weight, 1.0 mg/cm², or 5,000 ppm dependent on test method). A detectable concentration of lead below these concentration is considered a lead-containing paint. The full copy of the lead analytical results is included in Appendix A.

LEAD PAINT SAMPLING SUMMARY (JANUARY 3, 2022 SITE VISIT)				
Sample ID	Sample Location	Representative Material	Paint Color	Lead Content (mg/cm ²)
1	Room 254	Metal	Brown	0.1



LEAD PAINT SAMPLING SUMMARY (JANUARY 3, 2022 SITE VISIT)				
Sample ID	Sample Location	Representative Material	Paint Color	Lead Content (mg/cm ²)
2	Room 254	Metal	Brown	0.2
3	Room 254	Metal	Yellow	0.2
4	Room 254	Metal	White	5.9
5	Room 254	Metal	White	2.0
6	Room 254	Metal	Gray	0.1
7	Room 256	Plaster	White	0.3
8	Room 256	Metal	Brown	0.2
9	Room 259	Plaster	White	0.3
10	Room 259	Metal	Beige	0.2
11	Room 254	Drywall	Purple-Beige	0.1
12	Room 254	Plaster	Gray	0.8
13	Room 254	Metal	White	0.1
14	Room 228-243	Metal	Brown	0.2
15	Room 228-243	Metal	Brown	0.2
16	Room 247	Plaster	Orange	0.1
17	Room 247	Metal	Very Lt Tan	1.9
18	Room 244	Plaster	Orange	0.6
19	Room 243	Plaster	Off-white	0.4
20	Room 241	Plaster	Off-white	13.4
21	Room 241	Plaster	Orange	0.3
22	Room 233	Plaster	Off-white	0.2
23	Room 233	Plaster	Off-white	1.2
24	Room 228	Metal	White	9.6
25	Room 228	Metal	Brown	0.4
26	Room 212	Plaster	Off-white over Green	0.4
27	Room 208	Plaster	Red	0.6
28	Room 207	Plaster	Yellow	17.3
29	Room 307	Plaster	Green	0.1
30	Room 313	Concrete	Brown	0.1
31	Room 313	Wood	Brown	0.0
32	Room 314	Concrete	Green	0.3
33	Room 306	Plaster	Blue	0.5
34	Room 306	Metal	Blue	1.0
35	Room 306	Metal	Very Lt Tan	0.2
36	Room 306	Metal	Very Lt Tan	0.2
37	Room 146	Plaster	Yellow	0.1
38	Room 146	Metal	Gray	0.1
39	Room 148	Plaster	Pink over Orange	17.3
40	Room 168	Drywall	White	0.0
41	Room 173	Drywall	Lt Green	0.1
42	Elevator	Metal	Tan	0.0
43	Room B24	Plaster	White	0.4
44	Room B24	CMU	Beige	0.2
45	Entryway	Plaster	Off-white	0.3
46	Entryway	Metal	Black	0.0
47	Entryway	Metal	Black	0.1



LEAD PAINT SAMPLING SUMMARY (JANUARY 3, 2022 SITE VISIT)				
Sample ID	Sample Location	Representative Material	Paint Color	Lead Content (mg/cm²)
48	Staff Breakroom	Plaster	Lt Blue	0.2
49	Staff Breakroom	Brick	White/Blue	0.3
50	Restroom	Metal	Lt Blue	0.1
51	Restroom	Metal	Dk Blue	0.2
52	Restroom	Metal	Dk Blue	0.1
53	Room 128	Drywall	Purple	0.0
54	Room 131	Metal	Beige	0.1
55	Restroom	Plaster	Purple	0.3
56	Room 119	Plaster	Maroon	0.3
57	Room 119	Plaster	Pink	0.2
58	Maintenance Room	Concrete	Lt Tan	0.2
59	Maintenance Room	Metal	Black	0.2
60	N Stairway	Plaster	White	17.9

LEAD PAINT SAMPLING SUMMARY (NOVEMBER 18, 2022 SITE VISIT)			
MATERIAL	LOCATION	SAMPLE NUMBER	LEAD (ppm)
White Paint on Ceiling	Basement	PC WRC-1	480
White Paint on Ceiling	First Floor	PC WRC-2	3,200
White Paint on Ceiling	Second Floor	PC WRC-3	770
White Paint on Ceiling	Third Floor	PC WRC-4	98

LEAD PAINT SAMPLING SUMMARY (OCTOBER 4, 2023 SITE VISIT)				
Sample ID	Sample Location	Representative Material	Paint Color	Lead Content %
PC MC 1	Basement	Concrete Wall	White	<0.0080 %
PC MC 2	Basement	Drywall Wall	White	<0.0080 %
PC MC 3	Basement	Metal Door Frame	Black	<0.015 %
PC MC 4	1 st Floor	Wall	Lt Peach	<0.0080 %
PC MC 5	1 st Floor	Wall	Lt Blue	<0.0080 %
PC MC 6	1 st Floor	Wall	Dk Blue	<0.0080 %

This evaluation report can help the Owner develop a plan for renovating the building by having concentrations of lead in the paint identified. It is our



understanding that the information in this report will be provided to the contractors so that appropriate precautions can be made to minimize worker exposure to lead. If surface coatings with lead containing paint are handled improperly, exposure could occur to workers and future occupants of the facility.

5.0 HAZARDOUS MATERIALS ASSESSMENT

Atlas completed a visual inspection of rooms / areas throughout the intended work areas in an attempt to identify hazardous wastes or universal wastes that may be impacted by planned renovation activities. The survey included a visual inspection of: light fixtures and other equipment for the presence of Polychlorinated Biphenyls (PCBs); light bulbs, thermostats, switches, and other equipment for the presence of mercury; refrigerants, batteries, and devices with potential radioactive materials.

TABLE 1. HAZARDOUS BUILDING MATERIALS (SOUTH WING ONLY; OTHER AREAS WERE NOT INSPECTED FOR HAZARDOUS MATERIALS AT THE TIME OF ORIGINAL INSPECTIONS)		
Category	Material	Estimated Quantity
Poly-Chlorinated Biphenyl (PCBs)	Transformers	N/A
	Transistors	N/A
	Light Ballasts	N/A
Mercury	Thermostats	N/A
	Switches/Relays	N/A
	Fluorescent Light Tubes	248 bulbs
	High Intensity Discharge lights	N/A
	Thermometers/ Manometers	N/A
Batteries	Smoke Detectors	80 (electronic)
	Emergency Lighting Systems	N/A
	Exit Signs	21
	Flashing Fire Alarms	6
Chlorofluorocarbons (CFCs) or Hydro Chlorofluorocarbons (HCFCs)	Refrigerators/Freezers/Chillers	N/A
Low Level Radioactive Sources (LLR)	Smoke/Fire Alarms	N/A

Hazardous materials or universal wastes identified in Table 1 shall be removed as part of the renovation contractor's scope of work and disposed of according to US EPA Toxic Substances Control Act (TSCA) and the State of Iowa regulations.

6.0 CONCLUSIONS

The following conclusions and recommendations are summarized as follows:

Asbestos:

- (January 3, 2022 site visit) Asbestos was detected in the blue vinyl flooring, tan duct sealant, window glazing, drywall mud, gray sink insulation, 9" x 9" brown and gray/beige with pink, white, blue, brown streaks vinyl floor tile, TSI Elbows, straight pipe, and aircell.
- (November 18, 2022 site visit) Asbestos was detected in the 9"x 9" beige vinyl floor tile, brown cove base mastic, and brown ceiling pucks.
- (May 17, 2023 site visit) Asbestos was identified in 2 of the 3 white exterior window caulking samples collected. Atlas was unable to distinguish between the non-asbestos and asbestos containing window caulking materials, therefore all of the white exterior window caulking should be considered asbestos containing and handled accordingly
- (October 8, 2023 site visit) Asbestos was identified in the TSI runs (in the mastic/sealant on fiberglass) on the medium sized pipes, the blue vinyl flooring and stair treads, the sink insulation in the utility rooms, and the white sink caulk in the toilet rooms.

Lead Paint:

- Windows: An XRF sample reading found the white and light tan paint on the window sills, trough, and frame to contain 1.9 - 5.9 mg/cm². Based on the sample analysis, the paint on the windows is considered lead-based paint.
- Walls: An XRF sample reading found the gray, off-white, light yellow, pink over orange, and white paint on the walls to contain 0.8 – 17.9 mg/cm². Based on the sample analysis, the paint on the walls are considered lead-based paint.
- Stair post and cage: An XRF sample reading found the white paint on the stair post and cage to contain 9.6 mg/cm². Based on the sample analysis, the white paint on the stair post and cage are considered lead-based paint.
- Attic Access: XRF sample readings found the blue on the attic access on 3rd Floor to contain 1.0 mg/cm². Based on the sample analysis, the blue paint on the attic access is considered lead-based paint.
- Lead-containing paint was identified in all four paint chip samples from November 18, 2022 site visit (white paint on ceilings).

- Lead-containing paint was not identified in any of the samples collected from the south wing of the Medical Center.

7.0 ASSUMPTIONS AND LIMITATIONS

The results, findings, conclusions, and recommendations expressed in this report are based solely on conditions noted during the January 3rd, 2022, November 18th, 2022, May 17th, 2023, and October 4th, 2023 hazardous building materials surveys of the Medical Center at 1251 334th Street in Woodward, Iowa.

Atlas did not perform destructive sampling -- it was not within Atlas's scope of work to remove surface materials to investigate portions of the structure or materials that may lay beneath the surface -- thus, any materials that could not be visually identified on the surface were not inspected and would not be noted in this report. Atlas's selection of sample locations and frequency of sampling was based on the inspector's assumption that like materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractor, and potential abatement contractor in locating hazardous building materials. Under no circumstances is the report to be utilized as a bidding document or as a project specification document since it does not have all the components required to serve as a Project Design document or an Abatement Work plan.

Our professional services have been performed, our findings obtained, and our conclusions and recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

This report is intended for the sole use of the IDAS and Story Construction. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

APPENDIX A
ASBESTOS TEST RESULTS



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042200244

Customer ID: ATC55

Customer PO:

Project ID: 204BS04414

Attention: Eric Mueggenberg
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone: (515) 689-3216

Fax: (402) 597-8532

Received Date: 01/06/2022 12:25 PM

Analysis Date: 01/11/2022 - 01/12/2022

Collected Date: 01/03/2022

Project: Woodward (MC) - 204BS04414 (204BS04414)

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
MC-01 <small>042200244-0001</small>	Room 257 - 6" Black Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-02 <small>042200244-0002</small>	Room 257 - Cove Base Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-03 <small>042200244-0003</small>	Room 257 - Black Laminate Flooring	Blue Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
MC-04 <small>042200244-0004</small>	Room 257 - Tan Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-05 <small>042200244-0005</small>	Room 257 - Floor Leveling Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-06 <small>042200244-0006</small>	Room 257 - Tan Duct Sealant	Tan Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
MC-07 <small>042200244-0007</small>	Room 257 - 2'x2' Ceiling Tile	Gray/White Fibrous Homogeneous	20% Cellulose 40% Glass	40% Non-fibrous (Other)	None Detected
MC-08 <small>042200244-0008</small>	Room 257 - White Window Glazing	Gray Fibrous Homogeneous		95% Non-fibrous (Other)	2% Anthophyllite 3% Chrysotile
MC-09 <small>042200244-0009</small>	Room 270 - White Terrazzo	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-10 <small>042200244-0010</small>	Room 263 - White Sink Insulation	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-11 <small>042200244-0011</small>	Room 272 - White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-12A <small>042200244-0012</small>	Room 267 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-12B <small>042200244-0013</small>	Room 274 - Drywall Mud	White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
MC-12C <small>042200244-0014</small>	Room 216 - Drywall Mud	White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
MC-12D <small>042200244-0015</small>	Room 150 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-12E <small>042200244-0016</small>	Room 109 - Drywall Mud	White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 042200244

Customer ID: ATC55

Customer PO:

Project ID: 204BS04414

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
MC-13 042200244-0017	Room 267 - Gray Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-14 042200244-0018	Room 268 - 12"x12" Brown VFT	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-15 042200244-0019	Room 268 - Tan VFT Mastic	Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
MC-16 042200244-0020	Room 268 - Terrazzo - Janitor Sink	Gray/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
MC-17A 042200244-0021	Room 258 - TSI Duct Wrap Metal over Paper	Brown/Silver Fibrous Homogeneous	40% Cellulose 20% Glass	40% Non-fibrous (Other)	None Detected
MC-18 042200244-0022	Room 237 - Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-19 042200244-0023	Room 262 - Gray Sink Insulation	Gray Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
MC-20 042200244-0024	Attic - Vibration Damper	Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
MC-21 042200244-0025	Attic - White Duct Wrap	Brown/White Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
MC-22 042200244-0026	Attic - Roof Gypsum	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-23 042200244-0027	Fireproof Caulk	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-24 042200244-0028	Attic - Brick Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-25A 042200244-0029	Room 318 - TSI Foil over Paper over Fiberglass 2" Pipe	Brown/Silver Fibrous Homogeneous	40% Cellulose 20% Glass	40% Non-fibrous (Other)	None Detected
MC-25B 042200244-0030	Basement - Room 3 - TSI 2" Pipe	Brown/White/Silver Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
MC-25C 042200244-0031	Basement - Room 6 - TSI 2" Pipe	Brown/Black/Silver Fibrous Homogeneous	45% Cellulose 15% Glass	40% Non-fibrous (Other)	None Detected
MC-17B 042200244-0032	Room 216 - TSI Duct Wrap Metal over Paper	Brown/Silver Fibrous Homogeneous	40% Cellulose 25% Glass	35% Non-fibrous (Other)	None Detected
MC-17C 042200244-0033	Room 216 - TSI Duct Wrap Metal over Paper	Brown/Silver Fibrous Homogeneous	45% Cellulose 20% Glass	35% Non-fibrous (Other)	None Detected
MC-26 042200244-0034	Room 216 - Tan Carpet Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-27 042200244-0035	Room 206 - Gray Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 042200244
Customer ID: ATC55
Customer PO:
Project ID: 204BS04414

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
MC-28A <small>042200244-0036</small> <i>Skim coat (sample MC-29A) included in analysis due to inseparable layers.</i>	Room 212 - Plaster	Gray/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
MC-28B <small>042200244-0037</small>	Room 214 - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-28C <small>042200244-0038</small> <i>Skim coat (sample MC-29C) included in analysis due to inseparable layers.</i>	East Stairway 2-3 - Plaster	Gray/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
MC-28D <small>042200244-0039</small>	East Stairway B-1 - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-28E <small>042200244-0040</small>	Room 134 - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-29A <small>042200244-0041</small> <i>See sample MC-28A for results due to inseparable layers.</i>	Room 212 - Skim Coat				Not Analyzed
MC-29B <small>042200244-0042</small>	Room 234 - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-29C <small>042200244-0043</small> <i>See sample MC-28C for results due to inseparable layers.</i>	East Stairway 2-3 - Skim Coat				Not Analyzed
MC-29D <small>042200244-0044</small>	East Stairway B-1 - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-29E <small>042200244-0045</small>	Room 134 - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-30 <small>042200244-0046</small>	Room 244 - Tan Brittle Linoleum	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-31 <small>042200244-0047</small> <i>Only one discernible mastic in sample bag.</i>	Room 244 - Dark Tan Mastic				Layer Not Present
MC-32 <small>042200244-0048</small>	Room 244 - Tan Pliable Linoleum	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-33 <small>042200244-0049</small>	Room 244 - Tan Mastic	Yellow Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
MC-34 <small>042200244-0050</small>	Room 232 - Black Sink Insulation	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-35 <small>042200244-0051</small>	Room 234 - 6"x6" VFT	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-36 <small>042200244-0052</small>	Room 234 - Brown VFT Mastic				Insufficient Material

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
MC-37 <i>042200244-0053</i>	Doorway 233-239 - Linoleum	Gray/Yellow/Pink Fibrous Heterogeneous	25% Cellulose 10% Glass	65% Non-fibrous (Other)	None Detected
<i>Both linoleum and mastic included in analysis due to inseparable layers.</i>					
MC-38 <i>042200244-0054</i>	Doorway 233-239 - Linoleum Mastic				Not Analyzed
<i>See sample MC-37 for results due to inseparable layers.</i>					
MC-39 <i>042200244-0055</i>	Room 150 - Terrazzo Dark Red	Gray/White/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-40 <i>042200244-0056</i>	Room 164 - 2'x2' Ceiling Tile	Gray Fibrous Homogeneous	30% Cellulose 40% Glass	30% Non-fibrous (Other)	None Detected
MC-41 <i>042200244-0057</i>	Room 164 - Terrazzo Red (Repair Patching)	Gray/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-42 <i>042200244-0058</i>	Room 134 - Black Brittle Sink Insulation	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-43 <i>042200244-0059</i>	Room 109 - Drywall Tape	White Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
MC-44 <i>042200244-0060</i>	Room 109 - Drywall	Brown Fibrous Homogeneous	8% Cellulose 3% Glass	89% Non-fibrous (Other)	None Detected
MC-45 <i>042200244-0061</i>	Floor Leveling Compound	Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-46 <i>042200244-0062</i>	Floor Leveling Compound	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-47 <i>042200244-0063</i>	Black VFT Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-48 <i>042200244-0064</i>	9"x9" Brown VFT	Brown/Beige Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
MC-49A <i>042200244-0065</i>	W. Hall - Basement - TSI 1"	Brown/Black/Silver Fibrous Homogeneous	45% Cellulose 15% Glass	40% Non-fibrous (Other)	None Detected
MC-49B <i>042200244-0066</i>	W. Hall - Basement - TSI 1"	Brown/White/Black Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	None Detected
MC-49C <i>042200244-0067</i>	Basement - Rooms 1 & 2 - TSI 1"	Various Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	None Detected
MC-50A <i>042200244-0068</i>	W. Hall - Basement - TSI 1/2"	Brown/Black/Silver Fibrous Homogeneous	45% Cellulose 5% Glass	50% Non-fibrous (Other)	None Detected
MC-50B <i>042200244-0069</i>	Basement - Rooms 1 & 2 - TSI 1/2"	Brown/Black/Silver Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
MC-50C <i>042200244-0070</i>	Basement - Rooms 1 & 2 - TSI 1/2"	Various Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected

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EMSL Order: 042200244

Customer ID: ATC55

Customer PO:

Project ID: 204BS04414

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
MC-51 042200244-0071	Basement - Rooms 1 & 2 - 9"x9" VFT Gray/Beige with Pink,White,Blue,Brown	Brown/Gray/Beige Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
MC-52 042200244-0072	Basement - Rooms 1 & 2 - Black VFT Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-53A-TSI 042200244-0073	Basement - Room 1 - 1" TSI Elbow	Gray Fibrous Homogeneous	55% Glass	45% Non-fibrous (Other)	None Detected
MC-53A-Wrap 042200244-0073A	Basement - Room 1 - Wrap	White Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
MC-53B-TSI 042200244-0074	Basement - Room 1 - 1" TSI Elbow	Gray Fibrous Homogeneous	55% Glass	45% Non-fibrous (Other)	None Detected
MC-53B-Wrap 042200244-0074A	Basement - Room 1 - Wrap	White Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
MC-53C 042200244-0075	Basement - Room 1 - 1" TSI Elbow	Gray Fibrous Homogeneous	40% Cellulose	58% Non-fibrous (Other)	2% Chrysotile
MC-54A 042200244-0076	Basement - Room 1 - 1/2" Elbow TSI	Gray Fibrous Homogeneous	55% Glass	45% Non-fibrous (Other)	None Detected
MC-54B-TSI 042200244-0077	Basement - Room 1 - 1/2" Elbow TSI	Gray Fibrous Homogeneous	55% Glass	45% Non-fibrous (Other)	None Detected
MC-54B-Wrap 042200244-0077A	Basement - Room 1 - Wrap	White Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
MC-54C 042200244-0078	Basement - Room 1 - 1/2" Elbow TSI	Gray Fibrous Homogeneous	30% Glass	70% Non-fibrous (Other)	None Detected
MC-55A 042200244-0079	Basement - Room 1 - 2" Pipe TSI	White Fibrous Homogeneous		75% Non-fibrous (Other)	20% Amosite 5% Chrysotile
MC-55B 042200244-0080	Basement - Room 1 - 2" Pipe TSI	White Fibrous Homogeneous		75% Non-fibrous (Other)	20% Amosite 5% Chrysotile
MC-55C 042200244-0081	Basement - Room 1 - 2" Pipe TSI	Gray Fibrous Homogeneous		85% Non-fibrous (Other)	10% Amosite 5% Chrysotile
MC-56A 042200244-0082	Basement - Office B04 - TSI AeroCell	Gray Fibrous Homogeneous	30% Cellulose	5% Non-fibrous (Other)	65% Chrysotile
MC-56B 042200244-0083	Basement - Office B04 - TSI AeroCell	Gray Fibrous Homogeneous	30% Cellulose	5% Non-fibrous (Other)	65% Chrysotile
MC-56C 042200244-0084	Basement - Office B06 - TSI AeroCell	Brown/Gray Fibrous Homogeneous	45% Cellulose	15% Non-fibrous (Other)	40% Chrysotile
MC-57 042200244-0085	Basement - Mechanical Room B05 - Vibration Damper	Gray Fibrous Homogeneous	55% Glass	45% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
MC-58 <small>042200244-0086</small>	W. Room in Basement - Window Glazing	White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
MC-59A <small>042200244-0087</small>	W. Room in Basement - Gray Blown Insulation	Gray Fibrous Homogeneous	15% Cellulose 55% Glass	30% Non-fibrous (Other)	None Detected
MC-59B <small>042200244-0088</small>	NW Room in Basement - Gray Blown Insulation	Gray Fibrous Homogeneous	15% Cellulose 55% Glass	30% Non-fibrous (Other)	None Detected
MC-59C <small>042200244-0089</small>	WNW Room in Basement - Gray Blown Insulation	Gray Fibrous Homogeneous	80% Glass	20% Non-fibrous (Other)	None Detected
MC-60 <small>042200244-0090</small>	E. Basement Hall - Floor Surfacing	Red/Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-61 <small>042200244-0091</small>	E. Tunnel Entrance - Black Tar	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Kelly Gallisdorfer (37)

Margo Burgio (14)

Sauna LaValley (38)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NVLAP Lab Code 200056-0

Initial report from: 01/11/2022 13:03:10



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077

PHONE: 1-800-220-3875

EMAIL: c@emsl.com

04220244 RECEIVED
EMSL CINNAMINSON NJ

Customer Information	Customer ID: ATC55	Billing ID: ATC55	
	Company Name: Atlas Technical Consultants, LLC	Company Name: Atlas Technical Consultants, LLC	
	Contact Name: Eric Mueggenberg	Billing Contact: Sally Schmitz	
	Street Address: 11117 Mockingbird Drive	Street Address: 11117 Mockingbird Drive	
	City, State, Zip: Omaha NE 68137 Country: US	City, State, Zip: Omaha Country: US	
	Phone: 515-981-4528	Phone: 402-697-9747	
Email(s) for Report: Eric.Mueggenberg@oneatlas.com	Email(s) for Invoice: sally.schmitz@oneatlas.com		

Project Information		
Project Name/No: WOODWARD (MC) 204 BS04414	Purchase Order:	
EMSL LIMS Project ID: (if applicable, EMSL will provide)	US State where samples collected: IA	State of Connecticut (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)
Sampled By Name: ERIC BROWN	Sampled By Signature: <i>Eric Brown</i>	No. of Samples In Shipment: 97
Turn-Around-Time (TAT) <input type="checkbox"/> 3 Hour <input type="checkbox"/> 4-4.5 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 32 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week <small>TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.</small>		

PCM Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> NIOSH 7400 w/ 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) <input type="checkbox"/> POINT COUNT <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%) POINT COUNT w/ GRAVIMETRIC <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NYS 198 1 (Friable - NY) <input type="checkbox"/> NYS 198.6 NOB (Non-Friable - NY) <input type="checkbox"/> NYS 198 8 (Vermiculite SM-V)	TEM - Air <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312* TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (Non-Friable-NY) <input type="checkbox"/> TEM EPA 600/R-93/116 w Milling Prep (0.1%)	TEM - Settled Dust <input type="checkbox"/> Microvac - ASTM D5756 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Qualitative via Filtration Prep <input type="checkbox"/> Qualitative via Drop Mount Prep Soil - Rock - Vermiculite (reporting limit)* PLM <input type="checkbox"/> EPA 600/R-93/116 with milling prep (<0.25%) PLM <input type="checkbox"/> EPA 600/R-93/116 with milling prep (<0.1%) TEM <input type="checkbox"/> EPA 600/R-93/116 with milling prep (<0.1%) TEM <input type="checkbox"/> Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep
Other Test (please specify) _____ <small>*Please call with your project-specific requirements.</small>		

Positive Stop - Clearly Identified Homogeneous Areas (HA) Filter Pore Size (Air Samples) 0.8um 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
MC-01	6" BLACK COVER BASE ROOM 257		1/3/22
MC-02	COVER BASE MASTIC		
MC-03	BULK LAMINATE FLOORING		
MC-04	TAU MASTIC		
MC-05	FLOOR LEVELING COMPOUND		
MC-06	TAU DUCT SEALANT		
MC-07	2'x2' C.T.		
MC-08	WINDOW GLAZING WHITE		

RECEIVED
JAN 10 2022
BY: *[Signature]*

8:51am
1/10/22
9102

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:	Sample Condition Upon Receipt:
Reinquished by: <i>Eric Brown</i> Date/Time: 1/3/22	Received by: <i>Chalen EMSLFX</i> Date/Time: 1/6/22 12:05
Reinquished by:	Received by:

Controlled Document - GOC-05 Asbestos R13 2/26/2021 AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody
EMSL Order Number (Lab Use) **EMSL**
CINNATIMONSON, NJ

04220244

22 JAN -6 PM 12:24

PHONE:
FAX:

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

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled	
MC-09	TERRAZZO WHITE RM 270		1/3/22	
MC-10	SINK INSULATION WHITE RM 263		↓	
MC-11	WHITE CAULK RM 272			
MC-12A	DRYWALL MUD RM 267			
MC-12B	DRYWALL MUD RM 274			
MC-12C	DRYWALL MUD ROOM 216			
MC-12D	DRYWALL MUD ROOM 150			
MC-12E	DRYWALL MUD ROOM 109			
MC-13	CERAMIC TILE GROUT GRAY RM 267			
MC-14	12"x12" VFT GRAY RM 268			
MC-15	TAN VFT MASTIC RM 268			
MC-16	TERRAZZO TANK/SINK RM 268			
MC-17A	TSI DUCT W/ METAL OVER PAPER RM 256			
MC-18	CERAMIC TILE GROUT RM 237			
MC-19	GRAY SINK INSULATION RM 262			
MC-20	VIBRATION DAMPER ATTIC			
MC-21	WHITE DUCT WRAP ATTIC			
MC-22	ROOF GYPSUM ATTIC			
MC-23	FIRE PROOF CAULK			
MC-24	BLACK MORTAR ATTIC			
MC-25A	TSI FOIL OVER PAPER TOWEL FIBERGLASS 2" PIPE ROOM 318			
MC-25B	TSI 2" PIPE BASEMENT ROOM 3			
MC-25C	TSI 2" PIPE BASEMENT ROOM 6			
*Comments/Special Instructions:				



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody
EMSL Order Number (Lab Use Only):

04220244

RECEIVED
EMSL
CINNAMINSON, PA
PHONE:
FAX:

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

JAN 6 PM 12:24

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
MC-17B	TSI DUCTWRAP METAL OVER PAPER ROOM 216		1/3/22
MC-17C	TSI DUCTWRAP METAL OVER PAPER ROOM 216		
MC-26	CARPET MASTIC TAN ROOM 216		
MC-27	GRAY CERAMIC TILE GROUT ROOM 206		
MC-28A	PLASTER ROOM 212		
MC-28B	PLASTER ROOM 234		
MC-28C	PLASTER E. STAIRWAY 2-317		
MC-28D	PLASTER E. STAIRWAY B-1		
MC-28E	PLASTER ROOM 134		
MC-29A	SKIM COAT ROOM 212		
MC-29B	SKIM COAT ROOM 234		
MC-29C	SKIM COAT E. STAIRWAY 2-3		
MC-29D	SKIM COAT E. STAIRWAY B-1		
MC-29E	SKIM COAT ROOM 134		
MC-30	TAN LINOLEUM BRITTLE ROOM 244 LAB # 242		
MC-31	DK TAN MASTIC ROOM 244		
MC-32	TAN LINOLEUM PLIABLE ROOM 244		
MC-33	TAN MASTIC ROOM 244		
MC-34	BLACK FIBERGLASS INSULATION ROOM 232		
MC-35	9" x 9" VFT ROOM 234		
MC-36	BROWN VFT MASTIC ROOM 234		
MC-37	LINOLEUM STAIRWAY 238-239		
MC-38	LINOLEUM MASTIC STAIRWAY 238-239		

*Comments/Special Instructions:



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

04220244

RECEIVED
EMSL
CINNAMINSON, NJ
PHONE:
FAX:

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

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
MC-39	TERRAZZO DK RED ROOM 150		3/22
MC-40	2'x2' C.T. ROOM 164		
MC-41	TERRAZZO RED (REPAIR PATCHES) ROOM 164		
MC-42	BLACK BRITTLE SINK INSULATION ROOM 134		
MC-43	DRYWALL TAPE ROOM 109		
MC-44	DRYWALL ROOM 109		
MC-45	FLOOR LEVELING COMPOUND		
MC-46	FLOOR LEVELING COMPOUND		
MC-47	BLACK VFT MASTIC		
MC-48	9"X9" BROWN VFT		
MC-49A	TSI 1" W HALL BASEMENT		
MC-49B	TSI 1" " " "		
MC-49C	TSI 1" BASEMENT ROOMS 1&2		
MC-50A	TSI 1/2" " W HALL BASEMENT		
MC-50B	TSI 1/2" BASEMENT ROOMS 1&2		
MC-50C	TSI 1/2" BASEMENT ROOMS 1&2		
MC-51	9"X9" VFT GRAY BEIGE WITH PINK WHITE BLUE BROWN BASEMENT ROOM 1&2		
MC-52	BLACK VFT MASTIC BASEMENT ROOMS 1&2		
MC-53A	1" TSI ELBOW BASEMENT ROOM 1		
MC-53B	1" TSI ELBOW BASEMENT ROOM 1		
MC-53C	1" TSI ELBOW BASEMENT ROOM 1		
MC-54A	1/2" ELBOW TSI " "		
MC-54B	1/2" ELBOW TSI " "		

*Comments/Special Instructions:



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042229151

Customer ID: ATC55

Customer PO: 204BS05194

Project ID:

Attention: Doug Sayer
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone: (402) 697-9747

Fax: (402) 597-8532

Received Date: 11/21/2022 9:10 AM

Analysis Date: 11/28/2022 - 11/29/2022

Collected Date: 11/18/2022

Project: Woodward Resource Center / 204BS05194

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WRC-1 042229151-0001	Basement - Room B09 - 9"x9" Beige Vinyl Floor Tile	Beige Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
WRC-2 042229151-0002	Basement - Room B09 - Vinyl Floor Tile Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-3 042229151-0003	Basement - Room B09 - Insulation	Gray Fibrous Homogeneous	60% Min. Wool	40% Non-fibrous (Other)	None Detected
WRC-4 042229151-0004	Basement - Red Fireproof Caulk	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-5 042229151-0005	Basement - Black 4" Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-6 042229151-0006	Basement - Brown Cove Base Mastic	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
WRC-7 042229151-0007	1st Floor - Terrazzo	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-8 042229151-0008	1st Floor - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-9 042229151-0009	1st Floor - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-10 042229151-0010	1st Floor - 2'x4' Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 25% Min. Wool	25% Non-fibrous (Other)	None Detected
WRC-11 042229151-0011	1st Floor - 1'x1' Ceiling Tile	White/Yellow Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
WRC-12 042229151-0012	1st Floor - Brown Ceiling Pucks	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
WRC-13 042229151-0013	1st Floor - Decorative Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-14 042229151-0014	2nd Floor - Terrazzo	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-15 042229151-0015	2nd Floor - 2"x4" Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
WRC-16 042229151-0016	2nd Floor - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 11/29/2022 13:51:55



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042229151
Customer ID: ATC55
Customer PO: 204BS05194
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WRC-17 <i>042229151-0017</i>	2nd Floor - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-18 <i>042229151-0018</i>	3rd Floor - Textured Paint	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-19 <i>042229151-0019</i>	3rd Floor - Pyrobar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC-20 <i>042229151-0020</i>	3rd Floor - Brick Mortar	Gray Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
WRC-21 <i>042229151-0021</i>	3rd Floor - Terrazzo	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Andrea Doughty (4)

Christopher Ratcliffe (17)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 11/29/2022 13:51:55



Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Analytical, Inc.
200 Route 130 North

EMSL Order Number / Lab Use Only

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information	Customer ID:		Billing ID:
	Company Name: Atlas Technical		Company Name: Atlas Technical
	Contact Name: Doug Sayer		Billing Contact: Susan Becker
	Street Address: 11117 Mockingbird Drive		Street Address: 11117 Mockingbird Drive
	City, State, Zip: Omaha NE 68137 Country: US		City, State, Zip: Omaha NE 68137 Country: US
	Phone: 402-697-9747		Phone: 402-697-9747
Email(s) for Report: Doug.Sayer@oneatlas.com		Email(s) for Invoice:	

Project Information

Project Name/No: WOODWARD RESOURCE CENTER 204BS05194	Purchase Order:
EMSL LIMS Project ID: (If applicable, EMSL will provide)	US State where samples collected: IA
State of Connecticut (CT) must select project location:	<input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)
Sampled By Name: ERIC BROWN	Sampled By Signature: <i>Eric Brown</i>
No. of Samples in Shipment: 21	

Turn-Around-Time (TAT)

3 Hour
 4-4.5 Hour
 6 Hour
 24 Hour
 32 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

<p>PCM Air</p> <p><input type="checkbox"/> NIOSH 7400</p> <p><input type="checkbox"/> NIOSH 7400 w/ 8hr. TWA</p> <p>PLM - Bulk (reporting limit)</p> <p><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%)</p> <p><input type="checkbox"/> PLM EPA NOB (<1%)</p> <p><input type="checkbox"/> POINT COUNT</p> <p style="margin-left: 20px;"><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%)</p> <p>POINT COUNT w/ GRAVIMETRIC</p> <p style="margin-left: 20px;"><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%)</p> <p><input type="checkbox"/> NIOSH 9002 (<1%)</p> <p><input type="checkbox"/> NYS 198.1 (Friable - NY)</p> <p><input type="checkbox"/> NYS 198.6 NOB (Non-Friable - NY)</p> <p><input type="checkbox"/> NYS 198.8 (Vermiculite SM-V)</p>	<p>TEM - Air</p> <p><input type="checkbox"/> AHERA 40 CFR, Part 763</p> <p><input type="checkbox"/> NIOSH 7402</p> <p><input type="checkbox"/> EPA Level II</p> <p><input type="checkbox"/> ISO 10312*</p> <p>TEM - Bulk</p> <p><input type="checkbox"/> TEM EPA NOB</p> <p><input type="checkbox"/> NYS NOB 198.4 (Non-Friable-NY)</p> <p><input type="checkbox"/> TEM EPA 600/R-93/116 w Milling Prep (0.1%)</p> <p>Other Test (please specify)</p>	<p>TEM - Settled Dust</p> <p><input type="checkbox"/> Microvac - ASTM D5755</p> <p><input type="checkbox"/> Wipe - ASTM D6480</p> <p><input type="checkbox"/> Qualitative via Filtration Prep</p> <p><input type="checkbox"/> Qualitative via Drop Mount Prep</p> <p>Soil - Rock - Vermiculite (reporting limit)*</p> <p><input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%)</p> <p><input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.1%)</p> <p><input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%)</p> <p><input type="checkbox"/> TEM Qualitative via Filtration Prep</p> <p><input type="checkbox"/> TEM Qualitative via Drop Mount Prep</p>
---	--	--

*Please call with your project-specific requirements.

Positive Stop - Clearly Identified Homogeneous Areas (HA) Filter Pore Size (Air Samples) 0.8um 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
WRC-1	9"x9" VFT BEIGE BASEMENT ROOM BO9		11/18/22 ↓
WRC-2	VFT MASTIC BLACK BASEMENT ROOM BO9		
WRC-3	INSULATION BASEMENT ROOM BO9		
WRC-4	FIRE PROOF CAULK RED BASEMENT		
WRC-5	BLACK COVE BASE 4" BASEMENT		
WRC-6	BROWN COVE BASE MASTIC BASEMENT		
WRC-7	TEARAZZO 1 st FLOOR		
WRC-8	PLASTER 1 st FLOOR		

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

Controlled Document - COC-05 Asbestos R15 4/23/2021

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.



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LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

PHONE:
FAX:

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

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled	
WRC-9	SKIM COAT 1 st FLOOR		11/18/22	
WRC-10	2'x4' CEILING TILE 1 st FLOOR		↓	
WRC-11	1'x1' CEILING TILE 1 st FLOOR			
WRC-12	CEILING TILE PUCKS BROWN 1 st FLOOR			
WRC-13	DECORATIVE PLASTER 1 st FLOOR			
WRC-14	TERRAZZO 2 nd FLOOR			
WRC-15	2'x4' CEILING TILE 2 nd FLOOR			
WRC-16	PLASTER 2 nd FLOOR			
WRC-17	SKIM COAT 2 nd FLOOR			
WRC-18	TEXTURED PAINT 3 rd FLOOR			
WRC-19	PYROBAR 3 rd FLOOR			
WRC-20	BRICK MORTAR 3 rd FLOOR			
WRC-21	TERRAZZO 3 rd FLOOR			

*Comments/Special Instructions:



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042311944
Customer ID: ATC55
Customer PO:
Project ID:

Attention: Doug Sayer Atlas Technical 11117 Mockingbird Drive Omaha, NE 68137	Phone: (402) 697-9747 Fax: (402) 597-8532 Received Date: 05/18/2023 9:30 AM Analysis Date: 05/20/2023 Collected Date: 05/17/2023
Project: Woodward Resource Center Medical Center / 204BS05754	

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E
Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WRC MC-1 <small>042311944-0001</small>	Window Caulk N	Gray/White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
WRC MC-2 <small>042311944-0002</small>	Window Caulk S	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
WRC MC-3 <small>042311944-0003</small>	Window Caulk E	Gray/White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile

Analyst(s)

 Andrew Borsos (2)
 Quynh Vu (1)

Samantha Rundstrom

 Samantha Rundstrom, Laboratory Manager
 or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 05/20/2023 15:44:41



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information	Customer ID:	Billing ID:
	Company Name: Atlas Technical	Company Name: Atlas Technical
	Contact Name: Doug Sayer	Billing Contact: Susan Becker
	Street Address: 11117 Mockingbird Drive	Street Address: 11117 Mockingbird Drive
	City, State, Zip: Omaha NE 68137 Country: US	City, State, Zip: Omaha NE 68137 Country: US
Phone: 402-697-9747	Phone: 402-697-9747	
Email(s) for Report: Eric.I.Brown@oneatlas.com	Email(s) for Invoice:	

Project Information		
Project Name/No: <u>WOODWARD RESOURCE CENTER MEDICAL CENTER 204B505754</u>	Purchase Order:	
EMSL LIMS Project ID: (if applicable, EMSL will provide)	US State where samples collected: IA	State of Connecticut (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)
Sampled By Name: <u>ERIC BROWN</u>	Sampled By Signature: <u>Eric Brown</u>	No. of Samples In Shipment: <u>3</u>

Turn-Around-Time (TAT)

3 Hour
 4-4.5 Hour
 6 Hour
 24 Hour
 32 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection		
<p>PCM Air</p> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> NIOSH 7400 w/ 6hr. TWA <p style="text-align: center;"><u>PLM - Bulk (reporting limit)</u></p> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) <input type="checkbox"/> POINT COUNT <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%) POINT COUNT w/ GRAVIMETRIC <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NYS 198.1 (Friable - NY) <input type="checkbox"/> NYS 198.6 NOB (Non-Friable - NY) <input type="checkbox"/> NYS 198.8 (Vermiculite SM-V)	<p style="text-align: center;"><u>TEM - Air</u></p> <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312* <p style="text-align: center;"><u>TEM - Bulk</u></p> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (Non-Friable-NY) <input type="checkbox"/> TEM EPA 600/R-93/116 w Milling Prep (0.1%) <p style="text-align: center;"><u>Other Test (please specify)</u></p>	<p style="text-align: center;"><u>TEM - Settled Dust</u></p> <input type="checkbox"/> Microvac - ASTM D5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Qualitative via Filtration Prep <input type="checkbox"/> Qualitative via Drop Mount Prep <p style="text-align: center;"><u>Soil - Rock - Vermiculite (reporting limit)*</u></p> <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

Positive Stop - Clearly Identified Homogeneous Areas (HA)
 Filter Pore Size (Air Samples) 0.8um 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
WRC MC-1	WINDOW CAULK N		5/17/23
WRC MC-2	WINDOW CAULK S		5/17/23
WRC MC-3	WINDOW CAULK E		5/17/23

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: <u>Eric Brown</u>	Date/Time: <u>5/17/23</u>	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

Controlled Document - COC-05 Asbestos R15 4/23/2021 AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.



Lead Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

PHONE: (800) 220-3675

EMAIL: CinnaminsonLeadLab@emsl.com

Customer Information	Customer ID:		Billing Information	Billing ID: ATC 55	
	Company Name: Atlas Technical			Company Name: Atlas Technical	
	Contact Name: Doug Sayer			Billing Contact: Susan Becker	
	Street Address: 11117 Mockingbird Drive			Street Address: 11117 Mockingbird Drive	
	City, State, Zip: Omaha, NE 68137	Country: US		City, State, Zip: Omaha, NE 68137	Country: US
	Phone: 818-264-5642			Phone: 402-697-9747	
Email(s) for Report: doug.sayer@oneatlas.com		Email(s) for Invoice: susan.becker@oneatlas.com			

Project Information			
Project Name/No: WOODWARD RESOURCE CENTER WESTWOOD BUILDING 2040505754		Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected: IA	State of Connecticut (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)
Sampled By Name: ERIC BROWN	Sampled By Signature: <i>Eric Brown</i>	No. of Samples in Shipment: 4	

Turn-Around-Time (TAT)

3 Hour
 6 Hour
 24 Hour
 32 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> ppm (mg/kg) <input type="checkbox"/> mg/cm ² <small>*Reporting Limit based on a minimum 0.25g sample weight. **Not appropriate for Ceramic Tiles - XRF is recommended</small>	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	<input checked="" type="checkbox"/>
	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	<input type="checkbox"/>
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	<input type="checkbox"/>
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	<input type="checkbox"/>
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	<input type="checkbox"/>
WIPE <input type="checkbox"/> ASTM <input type="checkbox"/> NON-ASTM <small>*If no box is checked, non-ASTM Wipe is assumed</small>	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	<input type="checkbox"/>
	SW 846-6010D*	ICP-OES	1.0µg/wipe	<input type="checkbox"/>
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
PC WRC WWB 1	BASEMENT 806 WHITE		5/17/23
PC WRC WWB 2	ROOM 106 WHITE		5/17/23
PC WRC WWB 3	HALL 105 Lt. BLUE		5/17/23
PC WRC WWB 4	Room 102 YELLOW/WHITE		5/17/23

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: <i>Eric Brown</i>	Date/Time: 5/17/23	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

Controlled Document - COC-25 Lead R17 05/09/2022

*6010C Available Upon Request

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042324218

Customer ID: ATC55

Customer PO:

Project ID:

Attention: Eric Brown
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone: (402) 697-9747

Fax: (402) 597-8532

Received Date: 10/09/2023 8:45 AM

Analysis Date: 10/12/2023 - 10/13/2023

Collected Date: 10/04/2023

Project: Woodward Medical Center 204BS06333

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
MC-1-Concrete <small>042324218-0001</small>	W Wall - Concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-1-Skim Coat <small>042324218-0001A</small>	W Wall - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-2 <small>042324218-0002</small>	Ne Corner - CMU Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-3 <small>042324218-0003</small>	From Spares Pile - Ceiling Tile	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool 10% Glass	10% Non-fibrous (Other)	None Detected
MC-4 <small>042324218-0004</small>	From the Scrap Pile - Drywall	Brown/White Fibrous Homogeneous	20% Cellulose 3% Glass	77% Non-fibrous (Other)	None Detected
MC-5 <small>042324218-0005</small>	From the Bag - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-6-TSI <small>042324218-0006</small>	Chilled H2O Supply - TSI MED	Yellow Fibrous Homogeneous	70% Min. Wool	30% Non-fibrous (Other)	None Detected
MC-6-Mastic <small>042324218-0006A</small>	Chilled H2O Supply - TSI MED	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-7-TSI <small>042324218-0007</small>	Steam Supply - TSI MED	Yellow Fibrous Homogeneous	70% Min. Wool	30% Non-fibrous (Other)	None Detected
MC-7-Mastic <small>042324218-0007A</small>	Steam Supply - TSI MED	White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
MC-8-TSI <small>042324218-0008</small>	TSI MED	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
MC-8-Mastic <small>042324218-0008A</small>	TSI MED	White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
MC-9 <small>042324218-0009</small>	W. Damper - Vibration Damper	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
MC-10 <small>042324218-0010</small>	Fire Proof Caulk	Red Non-Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
MC-11 <small>042324218-0011</small>	TSI SM	White/Silver/Yellow Fibrous Heterogeneous	5% Cellulose 40% Min. Wool	55% Non-fibrous (Other)	None Detected
MC-12 <small>042324218-0012</small>	TSI SM	White/Silver/Yellow Fibrous Heterogeneous	2% Cellulose 30% Min. Wool	68% Non-fibrous (Other)	None Detected

Initial report from: 10/13/2023 16:15:24



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<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042324218
Customer ID: ATC55
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
MC-13 042324218-0013	TSI SM	White/Silver/Yellow Fibrous Heterogeneous	10% Cellulose 60% Min. Wool 5% Glass	25% Non-fibrous (Other)	None Detected
MC-14 042324218-0014	Stairs - Blue Vinyl Flooring	Blue Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
MC-15-Cove Base 042324218-0015	Stairs - Black Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-15-Mastic 042324218-0015A	Stairs - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-16 042324218-0016	Above Oxygen Storage Room - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-17 042324218-0017	Above Oxygen Storage Room - Floor Tile Grout - Grey	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-18-Cove Base 042324218-0018	Above Oxygen Storage Room - Black Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-18-Mastic 042324218-0018A	Above Oxygen Storage Room - Mastic	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-19 042324218-0019	Above Oxygen Storage Room - White Drywall	Brown/White Fibrous Heterogeneous	10% Cellulose 5% Glass	85% Non-fibrous (Other)	None Detected
MC-20 042324218-0020	Above Oxygen Storage Room - White Caulking Around Sink	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-21 042324218-0021	Above Oxygen Storage Room - White Ceramic Tile Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-22 042324218-0022	NW Corner of Hallway - White 2'x2' Fissure Ceiling Tile	Tan Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Non-fibrous (Other)	None Detected
MC-23-Flooring 042324218-0023	NE Corner of Hallway - Blue Vinyl Flooring	Blue Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
MC-23-Mastic 042324218-0023A	NE Corner of Hallway - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-24 042324218-0024	Staff Breakroom - White 2'x2' Fissure Ceiling Tile	Tan/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Non-fibrous (Other)	None Detected
MC-25 042324218-0025	Utility Room - White Sink Under Coat	White Non-Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
MC-26-Floor Tile 042324218-0026	Kitchen - Tan 12x12 Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-26-Mastic 042324218-0026A	Kitchen - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 10/13/2023 16:15:24



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Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042324218
Customer ID: ATC55
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
MC-27-Floor Tile <small>042324218-0027</small>	Kitchen - Tan 12x12 Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-27-Mastic <small>042324218-0027A</small>	Kitchen - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-28-Floor Tile <small>042324218-0028</small>	Kitchen - Tan 12x12 Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-28-Mastic <small>042324218-0028A</small>	Kitchen - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-29 <small>042324218-0029</small>	1st Room Bathroom - White Sink Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-30-Floor Tile <small>042324218-0030</small>	2nd Room - Blue Vinyl Floor Tile	Blue Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
MC-30-Mastic <small>042324218-0030A</small>	2nd Room - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-31 <small>042324218-0031</small>	2nd Room Bathroom - White Drywall	Brown/White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
MC-32 <small>042324218-0032</small>	3rd Room Bathroom - White Sink Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
MC-33 <small>042324218-0033</small>	Janitor Room - Brown Drywall	Brown Non-Fibrous Heterogeneous	10% Cellulose 5% Glass	85% Non-fibrous (Other)	None Detected
MC-34 <small>042324218-0034</small>	Janitor Room - White 2x2 Ceiling Tile	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Non-fibrous (Other)	None Detected
MC-35 <small>042324218-0035</small>	Utility Room West - White Sink Undercoat	White Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
MC-36-Drywall <small>042324218-0036</small>	Janitor Room - Brown Drywall	Brown/White Non-Fibrous Heterogeneous	5% Cellulose 5% Glass	90% Non-fibrous (Other)	None Detected
MC-36-Joint Compound <small>042324218-0036A</small>	Janitor Room - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-37-Drywall <small>042324218-0037</small>	Janitor Room - Brown Drywall	Brown Non-Fibrous Homogeneous	8% Cellulose 5% Glass	87% Non-fibrous (Other)	None Detected
MC-37-Joint Compound <small>042324218-0037A</small>	Janitor Room - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-38 <small>042324218-0038</small>	Utility Room West - White Drywall	Brown/White Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
MC-39 <small>042324218-0039</small>	Utility Room West - White Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-40 <small>042324218-0040</small>	Oxygen Storage Room - Tan Floor Tile Grout	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 10/13/2023 16:15:24



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<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042324218
Customer ID: ATC55
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
MC-41 <small>042324218-0041</small>	Shower Room - Tan Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-42 <small>042324218-0042</small>	Entrance - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
MC-43 <small>042324218-0043</small>	Entrance - Dark Brown Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Andrew Burke (39)

Selbbep Salgado (17)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 10/13/2023 16:15:24



Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnAslab@EMSL.com

042324218

ALYLYTICAL, INC.
PRODUCTS • TRAINING

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information	Customer ID:	Billing ID:
	Company Name: Atlas	Company Name: Atlas
	Contact Name:	Billing Contact:
	Street Address: 11117 Mockingbird Drive	Street Address: 11117 Mockingbird Drive
	City, State, Zip: Omaha, NE, 68137 Country:	City, State, Zip: Omaha, NE, 68137 Country:
	Phone: 402-697-9747	Phone: 402-697-9747
Email(s) for Report:	Email(s) for Invoice:	

Project Information

Project Name/No: **WOODWARD MEDICAL CENTER 264 B506333** Purchase Order:

EMSL LIMS Project ID: (if applicable, EMSL will provide) US State where samples collected: State of Connecticut (CT) must select project location:
 Commercial (Taxable) Residential (Non-Taxable)

Sampled By Name: **ERIC BROWN** Sampled By Signature: *Eric Brown* No. of Samples in Shipment: **43**

Turn-Around-Time (TAT)

3 Hour 4-4.5 Hour AHERA ONLY 6 Hour 24 Hour 32 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

<p>PCM Air</p> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> NIOSH 7400 w/ 8hr. TWA <p>PLM - Bulk (reporting limit)</p> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) <input type="checkbox"/> POINT COUNT <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%) POINT COUNT w/ GRAVIMETRIC <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NYS 198.1 (Friable - NY) <input type="checkbox"/> NYS 198.6 NOB (Non-Friable - NY) <input type="checkbox"/> NYS 198.8 (Vermiculite SM-V)	<p>TEM - Air</p> <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312* <p>TEM - Bulk</p> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (Non-Friable-NY) <input type="checkbox"/> TEM EPA 600/R-93/116 w Milling Prep (0.1%)	<p>TEM - Settled Dust</p> <input type="checkbox"/> Microvac - ASTM D5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Qualitative via Filtration Prep <input type="checkbox"/> Qualitative via Drop Mount Prep <p>Soil - Rock - Vermiculite (reporting limit)*</p> <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep
---	---	--

Other Test (please specify)

*Please call with your project-specific requirements.

Positive Stop - Clearly Identified Homogeneous Areas (HA) Filter Pore Size (Air Samples) 0.8um 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
SEE ATTACHED SHEETS			

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:	Sample Condition Upon Receipt:
Relinquished by: <i>Eric Brown</i> Date/Time: <i>10/9/23 16:00</i>	Received by: <i>[Signature]</i> Date/Time: <i>10/9/23 8:45am</i>
Relinquished by:	Received by:

Controlled Document - COC-05 Asbestos R16 10/26/2021 AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

ASBESTOS BULK SAMPLE FORM



11117 Mockingbird Drive
Omaha, NE 68137

Phone (402) 697-9747
Fax (402) 597-8532

042324218

Project Information

Client:	Project Description: WOODWARD	Project Manager: SM Inspector: EB
Date: 10/4/2013	Site Location: MEDICAL CENTER	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
MC1	CONCRETE	B	W WALL	
MC2	CMU MORTAR	B	NE CORNER	
MC3	CEILING TILE	B	FROM THE SPARES PILE	NA
MC4	DRYWALL	B	FROM THE SCRAP PILE	NA
MC5	DRYWALL MUD	B	FROM THE BAG	NA
MC6	TSI MED	B	CHILLED H ₂ O SUPPLY	
MC7	TSI MED	B	CHILLED H₂O STEAM SUPPLY	
MC8	TSI MED	B		
MC9	VIBRATION DAMPER	B	W. DAMPER	2
MC10	FIRE PROOF CAULK	B		
MC11	TSI SM	B		
MC12	TSI SM	B		
MC13	TSI SM	B		

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ASBESTOS BULK SAMPLE FORM



11117 Mockingbird Drive
Omaha, NE 68137

Phone (402) 697-9747
Fax (402) 597-8532

Project Information

042324218

Client:	Project Description: WOODWARD	Project Manager: Steve Hudson Inspector: Eric Bush Matt Wagner
Date: 10/4/2023	Site Location: MEDICAL CENTER	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
MC14	Blue VINYL FLOORING	B	STAIRS	
MC15	Black Cove Base	B	Stairs	
MC16	Drywell mud	1st	Above Oxygen Storage room	Above 1st floor
MC17	Floor tile grout - grey	1st	Oxygen Storage room	10x6 ft
MC18	Black cove Base	1st	Oxygen Storage room	5 LF
MC19	White Drywell	1st	Oxygen Storage room	10x8 ft
MC20	White caulking around sink	1st	Oxygen Storage room	1 LF
MC21	White ceramic tile grout	1st	Oxygen Storage room	
MC22	White 2x2' fissure ceiling tile	1st	NW corner of Hallway	
MC23	Blue vinyl flooring	1st	NE corner of Hallway	
MC24	White 2x2' fissure ceiling tile	1st	Staff Bedroom	
MC25	White sink undercoat	1st	Utility room	1 Sink
MC26	Tan 12x12 floor tile w/mosaic	1st	Kitchen	

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ASBESTOS BULK SAMPLE FORM



11117 Mockingbird Drive
Omaha, NE 68137

Phone (402) 697-9747
Fax (402) 597-8532

042324218

Project Information

Client:	Project Description: WOOD WARD	Project Manager: SA Inspector: EB MW
Date: 10/4/2023	Site Location: MEDICAL CENTER	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
MC-27	Tc 12X12 Plaster w/m-sic	1	pitch	
MC-28	Tc 12X12 Plaster w/m-sic	1	kitchen	
MC-29	White silk caulky	1	1st Room Bathroom	
MC-30	Blue vinyl plaster	1	2nd room	
MC-31	White Drywall	1	2nd Room Bathroom	
MC-32	White silk caulky	1	3rd room Bathroom	
MC-33	Brook Drywall	1	Janitor Room	
MC-34	White 2x2 caulk	1	Janitor Room	
MC-35	White silk Undercar	1	Utility room west	
MC-36	Brook Drywall	1	Utility room Janitor room	
MC-37	Brook Drywall	1	Utility room Janitor room	
MC-38	White Drywall	1	Utility room west	
MC-39	White Drywall MUdb	1	Utility room west	

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ASBESTOS BULK SAMPLE FORM



11117 Mockingbird Drive
Omaha, NE 68137

Phone (402) 697-9747
Fax (402) 597-8532

042324218

Project Information

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB MW
Date: 10/04/2023	Site Location: MEDICAL CENTER WOODWARD RESORT CENTER	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
MC-40	Tan floor tile grout	1	Oxygen storage room	
MC-41	Tan floor tile grout	1	Shower room	
MC-42	Drywall mud	1	Entrance	
MC-43	Dark Brown Mastic/Bea. or Tile	1	Entrance	

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APPENDIX B
LEAD PAINT TEST RESULTS

XRF Field Reading
January 3, 2022

Heuresis Corp. XRF Serial #: 1492 Model #: Pb200i
1251 334th Street
Woodward, IA 50276

Job	Reading #	Date/Time	Inspector	Room	Color	Structure	Component	Substrate	PbC	Units	Results
Medical Center	1	1/3/2022	Eric Mueggenberg	NIST 0.0	N/A	N/A	Calibration	N/A	0.1	mg/cm2	Negative
Medical Center	2	1/3/2022	Eric Mueggenberg	NIST 0.0	N/A	N/A	Calibration	N/A	0.1	mg/cm2	Negative
Medical Center	3	1/3/2022	Eric Mueggenberg	NIST 0.0	N/A	N/A	Calibration	N/A	0.1	mg/cm2	Negative
Medical Center	4	1/3/2022	Eric Mueggenberg	NIST 1.0	N/A	N/A	Calibration	N/A	0.8	mg/cm2	Negative
Medical Center	5	1/3/2022	Eric Mueggenberg	NIST 1.0	N/A	N/A	Calibration	N/A	1.0	mg/cm2	Positive
Medical Center	6	1/3/2022	Eric Mueggenberg	NIST 1.0	N/A	N/A	Calibration	N/A	0.8	mg/cm2	Negative
Medical Center	7	1/3/2022	Eric Mueggenberg	254	Brown	Door	Door	Metal	0.1	mg/cm2	Negative
Medical Center	8	1/3/2022	Eric Mueggenberg	254	Brown	Door	Frame	Metal	0.2	mg/cm2	Negative
Medical Center	9	1/3/2022	Eric Mueggenberg	254	Yellow	Wall	Conduit	Metal	0.2	mg/cm2	Negative
Medical Center	10	1/3/2022	Eric Mueggenberg	254	White	Window	Trough	Metal	5.9	mg/cm2	Positive
Medical Center	11	1/3/2022	Eric Mueggenberg	254	White	Window	Frame	Metal	2	mg/cm2	Positive
Medical Center	12	1/3/2022	Eric Mueggenberg	254	Gray	Door	Door	Metal	0.1	mg/cm2	Negative
Medical Center	13	1/3/2022	Eric Mueggenberg	256	White	Wall	Wall	Plaster	0.3	mg/cm2	Negative
Medical Center	14	1/3/2022	Eric Mueggenberg	256	Brown	Wall	Radiator	Metal	0.2	mg/cm2	Negative
Medical Center	15	1/3/2022	Eric Mueggenberg	259	White	Wall	Wall	Plaster	0.3	mg/cm2	Negative
Medical Center	16	1/3/2022	Eric Mueggenberg	259	Beige	Wall	Radiator	Metal	0.2	mg/cm2	Negative
Medical Center	17	1/3/2022	Eric Mueggenberg	254	Purple-Beige	Wall	Wall	Drywall	0.1	mg/cm2	Negative
Medical Center	18	1/3/2022	Eric Mueggenberg	254	Gray	Wall	Wall	Plaster	0.8	mg/cm2	Negative
Medical Center	19	1/3/2022	Eric Mueggenberg	254	White	Wall	Radiator	Metal	0.1	mg/cm2	Negative
Medical Center	20	1/3/2022	Eric Mueggenberg	228-243	Brown	Door	Frame	Metal	0.2	mg/cm2	Negative
Medical Center	21	1/3/2022	Eric Mueggenberg	228-243	Brown	Door	Door	Metal	0.2	mg/cm2	Negative
Medical Center	22	1/3/2022	Eric Mueggenberg	247	Orange	Wall	Wall	Plaster	0.1	mg/cm2	Negative
Medical Center	23	1/3/2022	Eric Mueggenberg	247	Very Lt Tan	Window	Frame	Metal	1.9	mg/cm2	Positive
Medical Center	24	1/3/2022	Eric Mueggenberg	244	Orange	Wall	Wall	Plaster	0.6	mg/cm2	Negative
Medical Center	25	1/3/2022	Eric Mueggenberg	243	Offwhite	Wall	Wall	Plaster	0.4	mg/cm2	Negative
Medical Center	26	1/3/2022	Eric Mueggenberg	241	Offwhite	Wall	Wall	Plaster	13.4	mg/cm2	Positive
Medical Center	27	1/3/2022	Eric Mueggenberg	241	Orange	Wall	Wall	Plaster	0.3	mg/cm2	Negative
Medical Center	28	1/3/2022	Eric Mueggenberg	233	Offwhite	Wall	Wall	Plaster	0.2	mg/cm2	Negative
Medical Center	29	1/3/2022	Eric Mueggenberg	233	Offwhite	Wall	Wall	Plaster	1.2	mg/cm2	Positive
Medical Center	30	1/3/2022	Eric Mueggenberg	228	White	Stairs	Post/Cage	Metal	9.6	mg/cm2	Positive
Medical Center	31	1/3/2022	Eric Mueggenberg	228	Brown	Handrail	Handrail	Metal	0.4	mg/cm2	Negative
Medical Center	32	1/3/2022	Eric Mueggenberg	212	Offwhite over Green	Wall	Wall	Plaster	0.4	mg/cm2	Negative
Medical Center	33	1/3/2022	Eric Mueggenberg	208	Red	Wall	Wall	Plaster	0.6	mg/cm2	Negative
Medical Center	34	1/3/2022	Eric Mueggenberg	207	Yellow	Wall	Wall	Plaster	17.3	mg/cm2	Positive
Medical Center	35	1/3/2022	Eric Mueggenberg	307	Green	Wall	Wall	Plaster	0.1	mg/cm2	Negative
Medical Center	36	1/3/2022	Eric Mueggenberg	313	Brown	Floor	Floor	Concrete	0.1	mg/cm2	Negative
Medical Center	37	1/3/2022	Eric Mueggenberg	313	Brown	Door	Door	Wood	0	mg/cm2	Negative
Medical Center	38	1/3/2022	Eric Mueggenberg	314	Green	Floor	Floor	Concrete	0.3	mg/cm2	Negative
Medical Center	39	1/3/2022	Eric Mueggenberg	306	Blue	Wall	Wall	Plaster	0.5	mg/cm2	Negative
Medical Center	40	1/3/2022	Eric Mueggenberg	306	Blue	Door	Attic Access	Metal	1.0	mg/cm2	Positive



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

cinnaminsonleadlab@emsl.com

EMSL Order:	202210103
CustomerID:	ATC55
CustomerPO:	204B505194
ProjectID:	

Attn: **Doug Sayer**
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone: (402) 697-9747
 Fax: (402) 597-8532
 Received: 11/21/2022 11:00 AM
 Collected: 11/18/2022

Project: 204B505194/Woodward

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	Collected	Analyzed	Weight	RDL	Lead Concentration
PC WRC-1 202210103-0001	11/18/2022	11/22/2022	0.2669 g	0.0080 % wt	0.048 % wt
	Site: Basement				
PC WRC-2 202210103-0002	11/18/2022	11/22/2022	0.2819 g	0.0080 % wt	0.32 % wt
	Site: 1st Floor				
PC WRC-3 202210103-0003	11/18/2022	11/22/2022	0.2630 g	0.0080 % wt	0.077 % wt
	Site: 2nd Floor				
PC WRC-4 202210103-0004	11/18/2022	11/22/2022	0.2591 g	0.0080 % wt	0.0098 % wt
	Site: 3rd Floor				

The QC sample duplicate RPD result for Lead associated with sample -0004 was outside of the method control limits.

Owen Mckenna, Lead Laboratory Director
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA LAP, LLC-ELLAP Accredited #100194, A2LA Accredited - Certificate #2845.01

Initial report from 11/28/2022 18:29:46



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LABORATORY PRODUCTS TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

202210103

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675

EMAIL: c@emsl.com

Customer Information	Customer ID: ATC55	Billing Information	Billing ID: ATC55
	Company Name: Atlas Technical Consultants LLC		Company Name: Atlas Technical Consultants LLC
	Contact Name: Eric Mueggenberg <i>Doug Sayer</i>		Billing Contact: Sally Schmitz
	Street Address: 11117 Mockingbird Drive		Street Address: 11117 Mockingbird Drive
	City, State, Zip: Omaha NE 68137 Country: US		City, State, Zip: Omaha NE 68137 Country:
Phone: 515-689-3216 818-264-5642	Phone: 515-689-3216		
Email(s) for Report: Eric.Mueggenberg@oneatlas.com	Email(s) for Invoice: sally.schmitz@oneatlas.com		

Project Information		Project Name/No: 204BS05194 / Woodward		Purchase Order: 204BS05194	
EMSL LIMS Project ID: (if applicable, EMSL will provide)		US State where samples collected: IA		State of Connecticut (CT) must select project location:	
Sampled By Name: ERIC BROWN		Sampled By Signature: <i>Eric Brown</i>		No. of Samples in Shipment: 4	

Turn-Around-Time (TAT)

3 Hour
 6 Hour
 24 Hour
 32 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only, samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS <input type="checkbox"/> % by wt. <input checked="" type="checkbox"/> ppm (mg/kg) <input type="checkbox"/> mg/cm ²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	<input checked="" type="checkbox"/>
Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D	ICP-OES	0.0004% (4ppm)	<input type="checkbox"/>
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	<input type="checkbox"/>
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	<input type="checkbox"/>
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	<input type="checkbox"/>
WIPE <input type="checkbox"/> ASTM <input type="checkbox"/> NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	<input type="checkbox"/>
If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D	ICP-OES	1.0µg/wipe	<input type="checkbox"/>
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> PH<2	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> PH<2	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
1. PC WRC-1	Basement		11/18/22
2. PC WRC-2	1 st Floor		↓
3. PC WRC-3	2 nd Floor		
4. PC WRC-4	3 rd Floor		

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: <i>Eric Brown</i>	Date/Time: 11/18/22 14:30	Received by: <i>Annally</i>	Date/Time: 11/21/22 11am.

Controlled Document - COC-25 Lead R16 4/19/2021 *6010C Available Upon Request

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.



EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC 27284
Phone/Fax: (336) 992-1025 / (336) 992-4175
<http://www.EMSL.com> kernersvillelab@emsl.com

EMSL Order: 022306998
CustomerID: ATC55
CustomerPO: 204B506333
ProjectID:

Attn: **Steve Hudson**
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone: (402) 697-9747
Fax: (402) 597-8532
Received: 10/10/2023 09:00 AM
Collected: 10/4/2023

Project: **WOODWARD MEDICAL CENTER 204B506333**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Weight	RDL	Lead Concentration
PC MC 1 022306998-0001	10/4/2023	10/13/2023	.2685 g	0.0080 % wt	<0.0080 % wt
PC MC 2 022306998-0002	10/4/2023	10/13/2023	.2692 g	0.0080 % wt	<0.0080 % wt
PC MC 3 022306998-0003	10/4/2023	10/13/2023	.1351 g	0.015 % wt	<0.015 % wt
PC MC 4 022306998-0004	10/4/2023	10/13/2023	.3827 g	0.0080 % wt	<0.0080 % wt
PC MC 5 022306998-0005	10/4/2023	10/13/2023	.2723 g	0.0080 % wt	<0.0080 % wt
PC MC 6 022306998-0006	10/4/2023	10/13/2023	.3565 g	0.0080 % wt	<0.0080 % wt

James Cole, Laboratory Manager
or other approved signatory

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* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Kernersville, NC AIHA LAP, LLC-ELLAP Accredited #102564

Initial report from 10/16/2023 15:07:59



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead Chain of Custody
EMSL Order Number / Lab Use Only

022306998

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

Customer Information	Customer ID:	Billing ID:
	Company Name: Atlas Technical	Company Name: Atlas Technical
	Contact Name: Steve Hudson	Billing Contact: Steve Hudson
	Street Address: 11117 Mockingbird Drive	Street Address: 11117 Mockingbird Drive
	City, State, Zip: Omaha NE 68137 Country: US	City, State, Zip: Omaha NE 68137 Country: US
Phone: 402-697-9747	Phone: 402-697-9747	
Email(s) for Report: steve.hudson@oneatlas.com	Email(s) for Invoice:	

Project Information			
Project Name/No: WOODWARD MEDICAL CENTER	204850633	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)	US State where samples collected: IA	State of Connecticut (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)	
Sampled By Name: ERIC BROWN	Sampled By Signature: <i>Eric Brown</i>	No. of Samples in Shipment:	6

Turn-Around-Time (TAT)

3 Hour
 6 Hour
 24 Hour
 32 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only, samples must be submitted by 11:30am

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> ppm (mg/kg) <input type="checkbox"/> mg/cm ²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	<input checked="" type="checkbox"/>
Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D	ICP-OES	0.0004% (4ppm)	<input type="checkbox"/>
AIR	NIOSH 7082	Flame Atomic Absorption	4ug/filter	<input type="checkbox"/>
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5ug/filter	<input type="checkbox"/>
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05ug/filter	<input type="checkbox"/>
WIPE <input type="checkbox"/> ASTM <input type="checkbox"/> NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10ug/wipe	<input type="checkbox"/>
If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D	ICP-OES	1.0ug/wipe	<input type="checkbox"/>
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
Unpreserved	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Preserved with HNO3 <input type="checkbox"/> PH<2	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
Drinking Water	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
Unpreserved	40 CFR Part 50	ICP-OES	12 ug/filter	<input type="checkbox"/>
Preserved with HNO3 <input type="checkbox"/> PH<2				<input type="checkbox"/>
TSP/SPM Filter				<input type="checkbox"/>
Other:				<input type="checkbox"/>

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
PC MC 1	OFFWHITE	BASEMENT	10/4/2023
PC MC 2	WHITE	BASEMENT	↓
PC MC 3	BLACK	BASEMENT	
PC MC 4	TAN	1 st FLOOR	
PC MC 5	LIGHT BLUE	1 st FLOOR	

Method of Shipment:	Sample Condition Upon Receipt:
Relinquished by: <i>Eric Brown</i>	Date/Time: <i>10/4/2023 19:00</i>
Relinquished by:	Date/Time:
Received by: <i>SS</i>	Date/Time: <i>10-09-23</i>
Received by:	Date/Time: <i>10/10/23 9am</i>

Controlled Document - C0C-25 Lead R16 4/19/2021 *5010C Available Upon Request

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer

EFX 7967 1803 4288 Page 1 of 2

609
③
Page 1 of 2



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

6998

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

Customer Information Customer ID: Company Name: Atlas Technical Contact Name: Steve Hudson Street Address: 11117 Mockingbird Drive City, State, Zip: Omaha NE 68137 Country: US Phone: 402-697-9747 Email(s) for Report: steve.hudson@oneatlas.com	Billing Information Billing ID: Company Name: Atlas Technical Billing Contact: Steve Hudson Street Address: 11117 Mockingbird Drive City, State, Zip: Omaha NE 68137 Country: US Phone: 402-697-9747 Email(s) for Invoice:
---	--

Project Information			
Project Name/No: WOODWARD MEDICAL CENTER 2043306333	Purchase Order:	State of Connecticut (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)	
EMSL LIMS Project ID: (If applicable, EMSL will provide)	US State where samples collected: IA		
Sampled By Name: ERIC BROWN	Sampled By Signature: <i>Eric Brown</i>	No. of Samples in Shipment: 6	

Turn-Around-Time (TAT)

3 Hour
 6 Hour
 24 Hour
 32 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

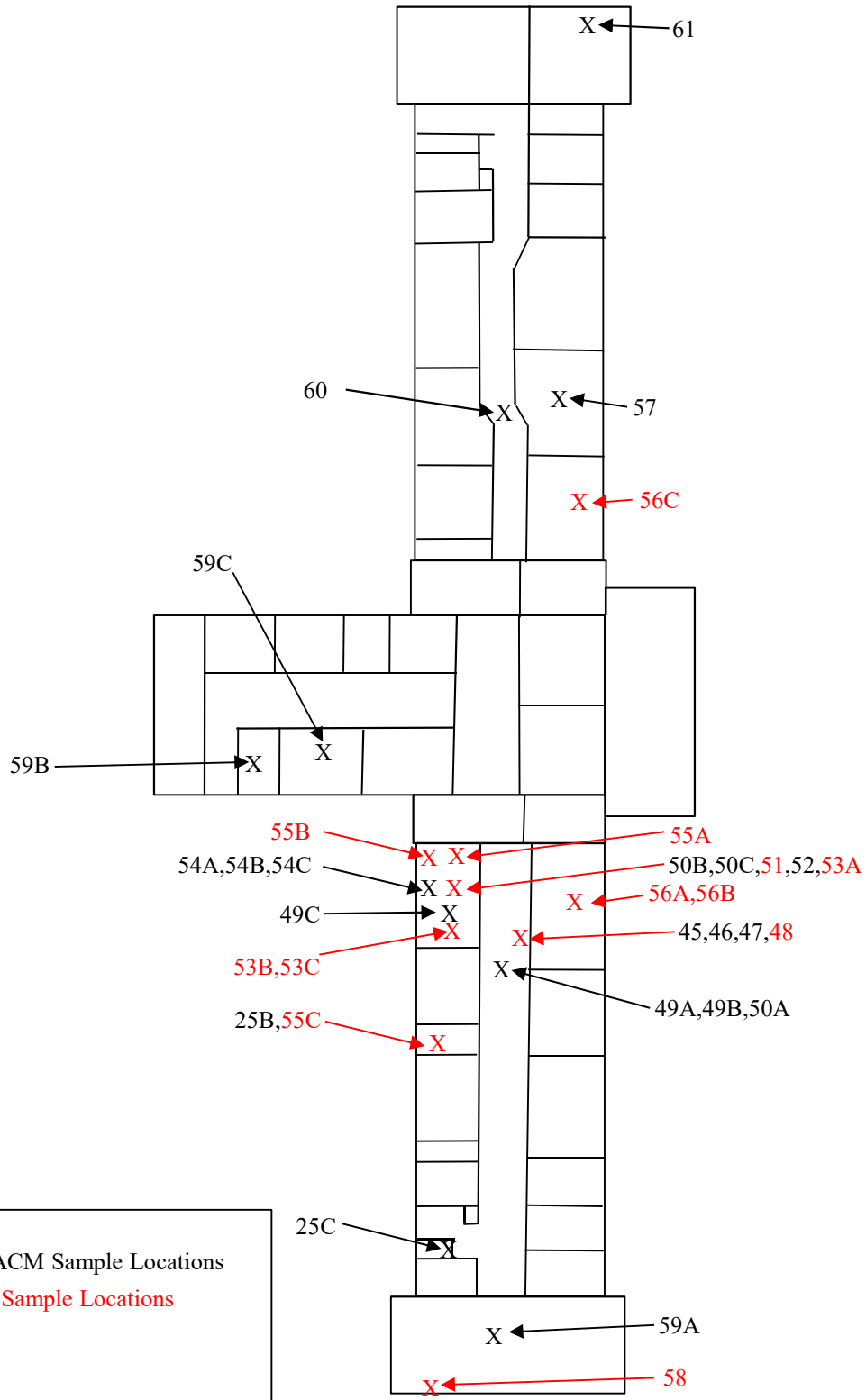
Please call ahead for large projects and/or turnaround times 5 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS <input checked="" type="checkbox"/> % by wt <input type="checkbox"/> ppm (mg/kg) <input type="checkbox"/> mg/cm ²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	<input checked="" type="checkbox"/>
Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D	ICP-OES	0.0004% (4ppm)	<input type="checkbox"/>
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	<input type="checkbox"/>
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	<input type="checkbox"/>
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	<input type="checkbox"/>
WIPE <input type="checkbox"/> ASTM <input type="checkbox"/> NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	<input type="checkbox"/>
If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D	ICP-OES	1.0µg/wipe	<input type="checkbox"/>
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
Unpreserved <input type="checkbox"/>	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Preserved with HNO3 <input type="checkbox"/> PH<2	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
Drinking Water	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
Unpreserved <input type="checkbox"/>	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
Preserved with HNO3 <input type="checkbox"/> PH<2	Other: <input type="checkbox"/>			<input type="checkbox"/>

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
PC MC 6	DARK BLUE	1st FLOOR	10/4/2023

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

APPENDIX C
ASBESTOS SAMPLE LOCATIONS



Legend

- X = Non-ACM Sample Locations
- X = ACM Sample Locations



4503 E 50th Street, Suite 800
Des Moines, IA 50317

SITE MAP

Medical Center
Basement

1251 224th St.
Woodward, IA 50276

PROJECT NO: 204BS04414

DESIGNED BY: Atlas

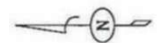
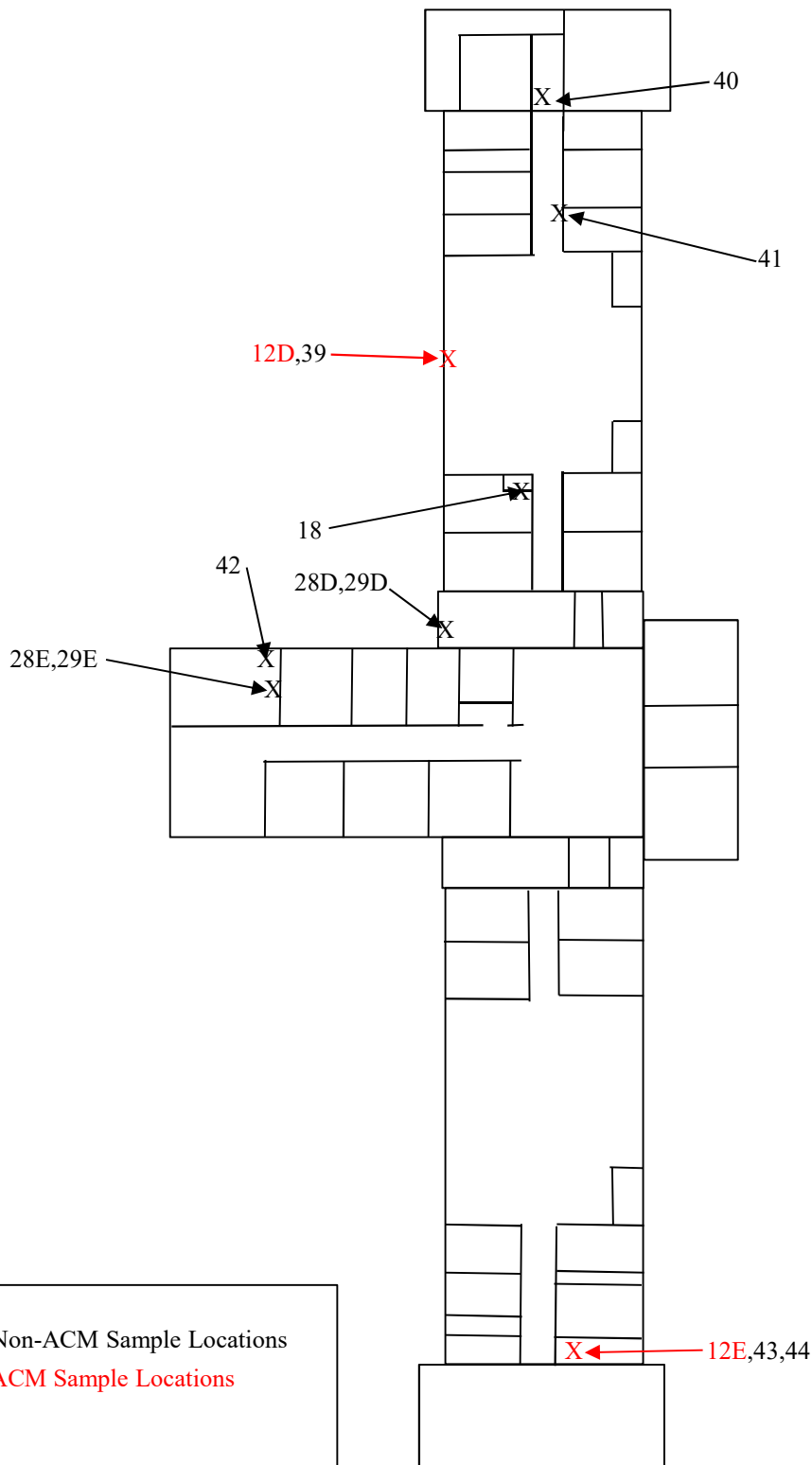
SCALE: NTS

REVIEWED BY: EM

DRAWN BY: EM

DATE: 1/12/2022

FILE: SiteMap.PPT



Legend

X = Non-ACM Sample Locations

X = ACM Sample Locations



4503 E 50th Street, Suite 800
Des Moines, IA 50317

SITE MAP

Medical Center
First Floor

1251 224th St.
Woodward, IA 50276

PROJECT NO: 204BS04414

DESIGNED BY: Atlas

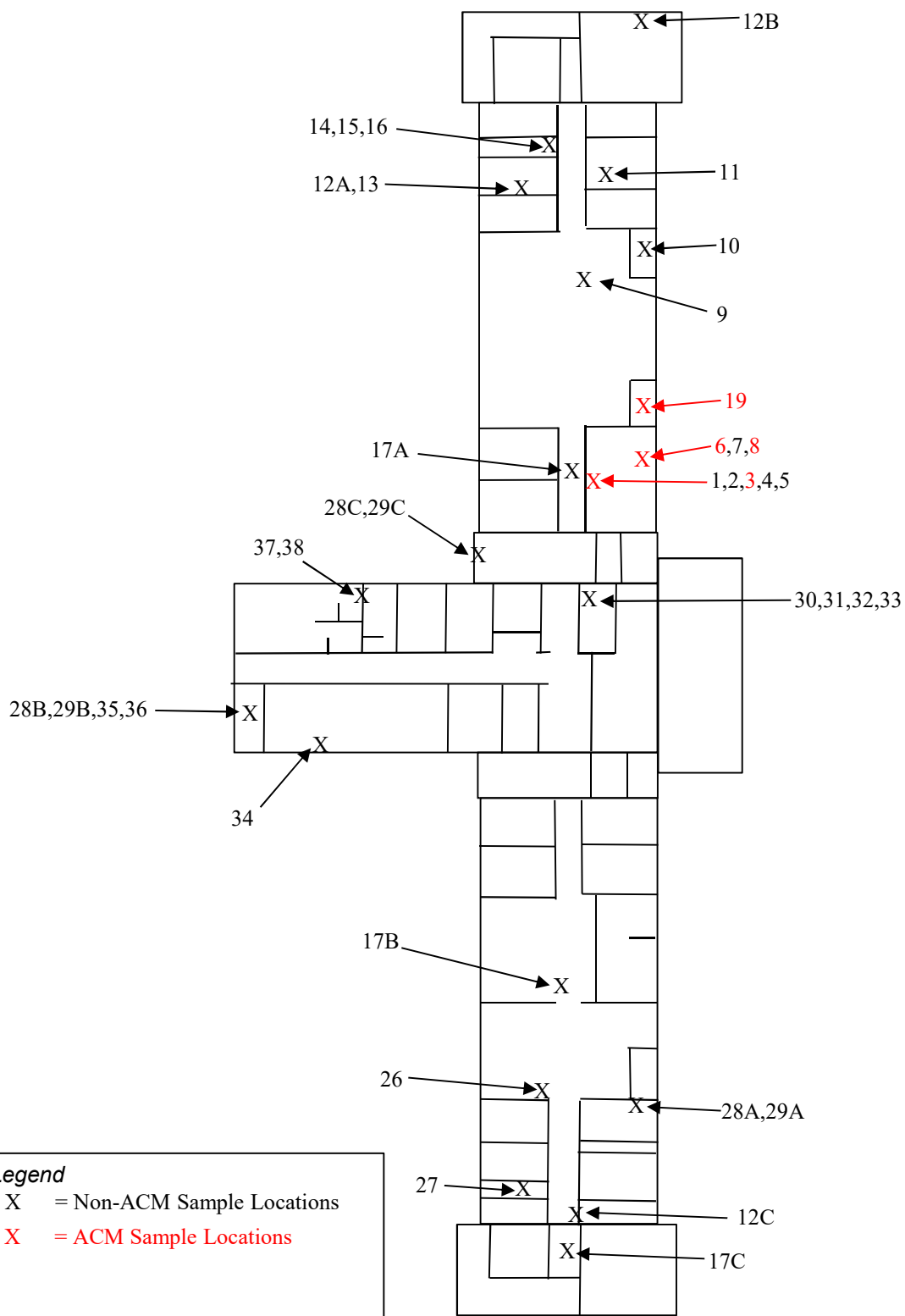
SCALE: NTS

REVIEWED BY: EM

DRAWN BY: EM

DATE: 1/12/2022

FILE: SiteMap.PPT



Legend

- X = Non-ACM Sample Locations
- X = ACM Sample Locations



4503 E 50th Street, Suite 800
Des Moines, IA 50317

SITE MAP

Medical Center
Second Floor

1251 224th St.
Woodward, IA 50276

PROJECT NO: 204BS04414

DESIGNED BY: Atlas

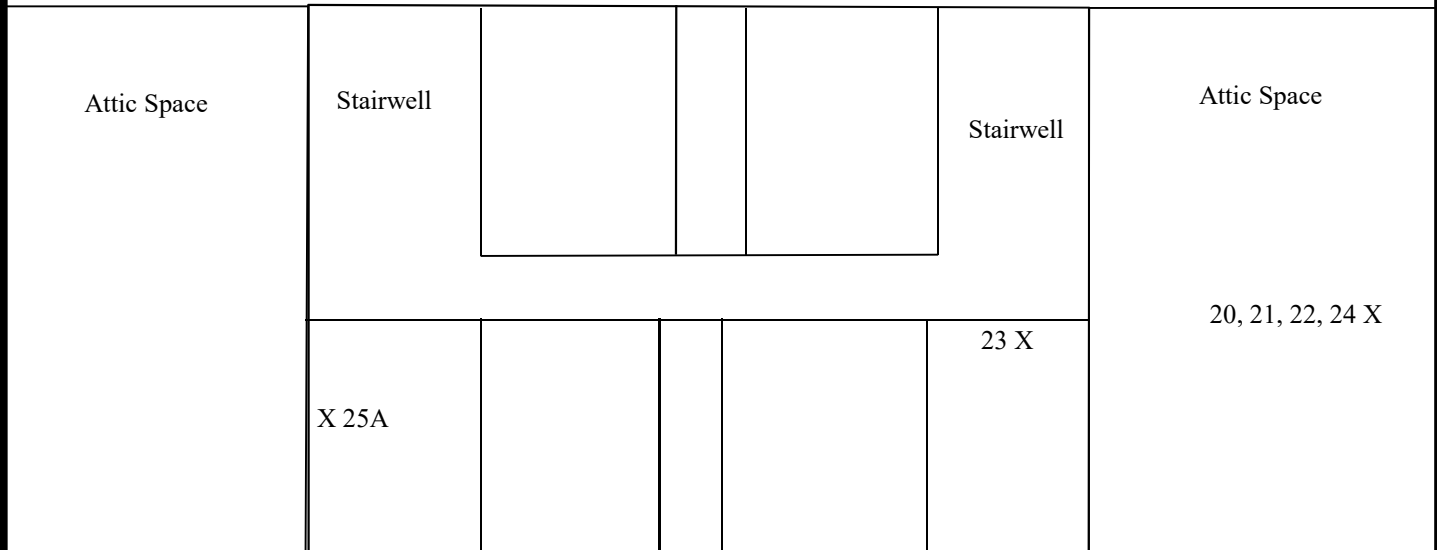
SCALE: NTS

REVIEWED BY: EM

DRAWN BY: EM

DATE: 1/12/2022

FILE: SiteMap.PPT



Legend
 X = Non-ACM Sample Locations
 X = ACM Sample Locations

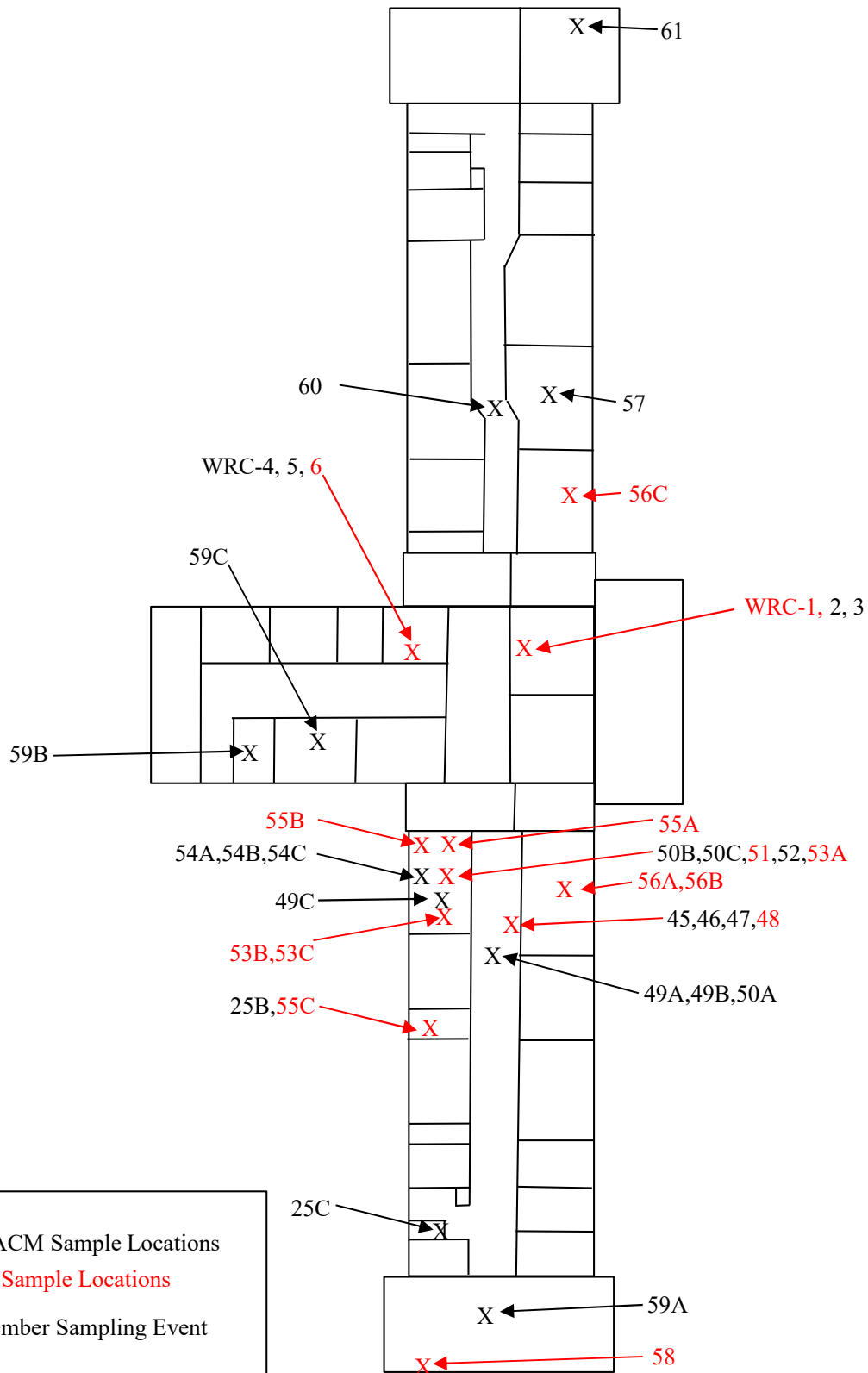


ATLAS 4503 E 50th Street, Suite 800
 Des Moines, IA 50317

PROJECT NO: 204BS04414		
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 1/12/2022	FILE: SiteMap.PPT

SITE MAP
 Medical Center
 3rd Floor

 1251 224th St.
 Woodward, IA 50276



Legend
 X = Non-ACM Sample Locations
 X = ACM Sample Locations
 WRC = November Sampling Event



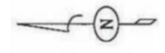
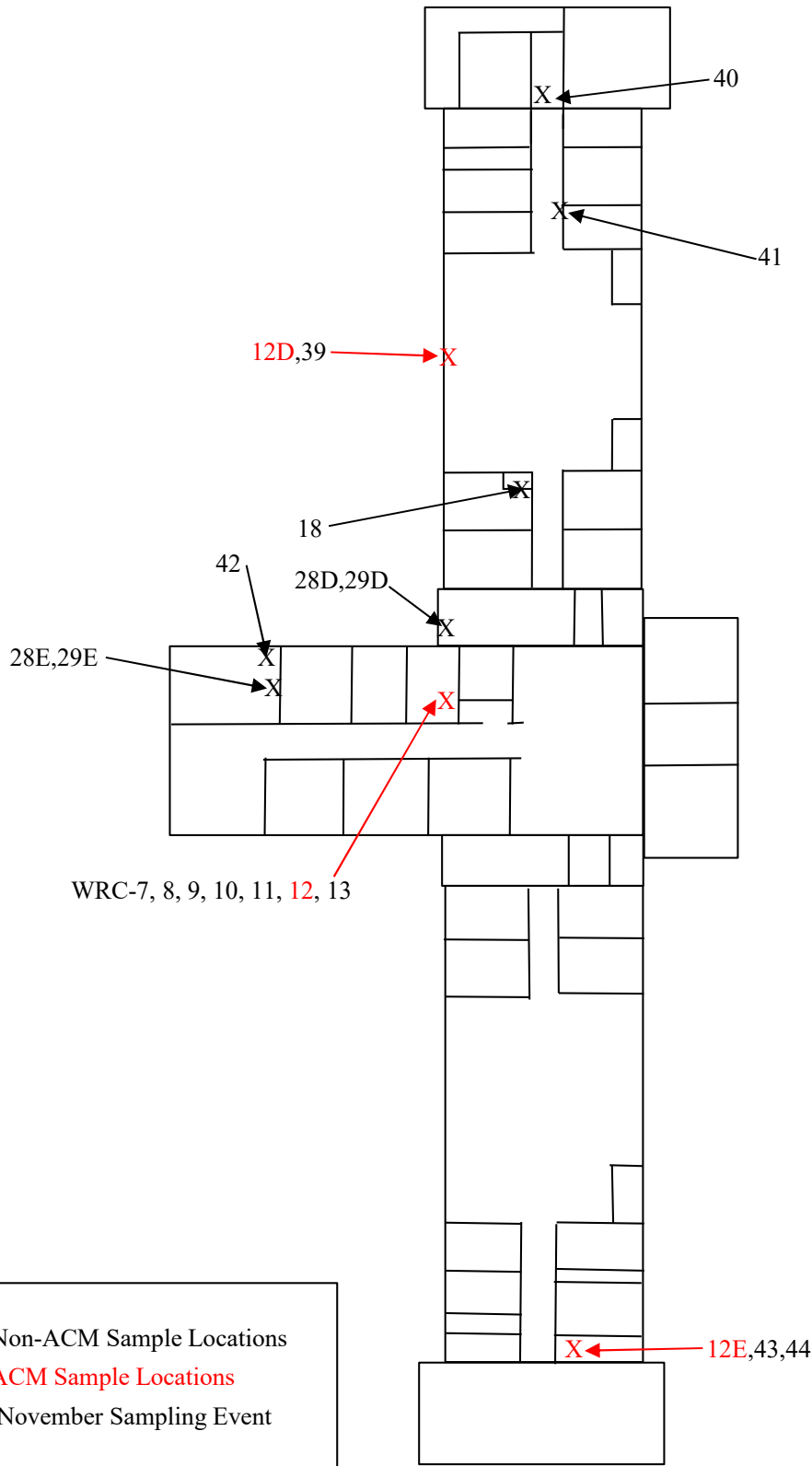
4503 E 50th Street, Suite 800
 Des Moines, IA 50317

PROJECT NO: 204BS05174		
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2022	FILE: SiteMap.PPT


SITE MAP

Medical Center
 Basement

1251 224th St.
 Woodward, IA 50276

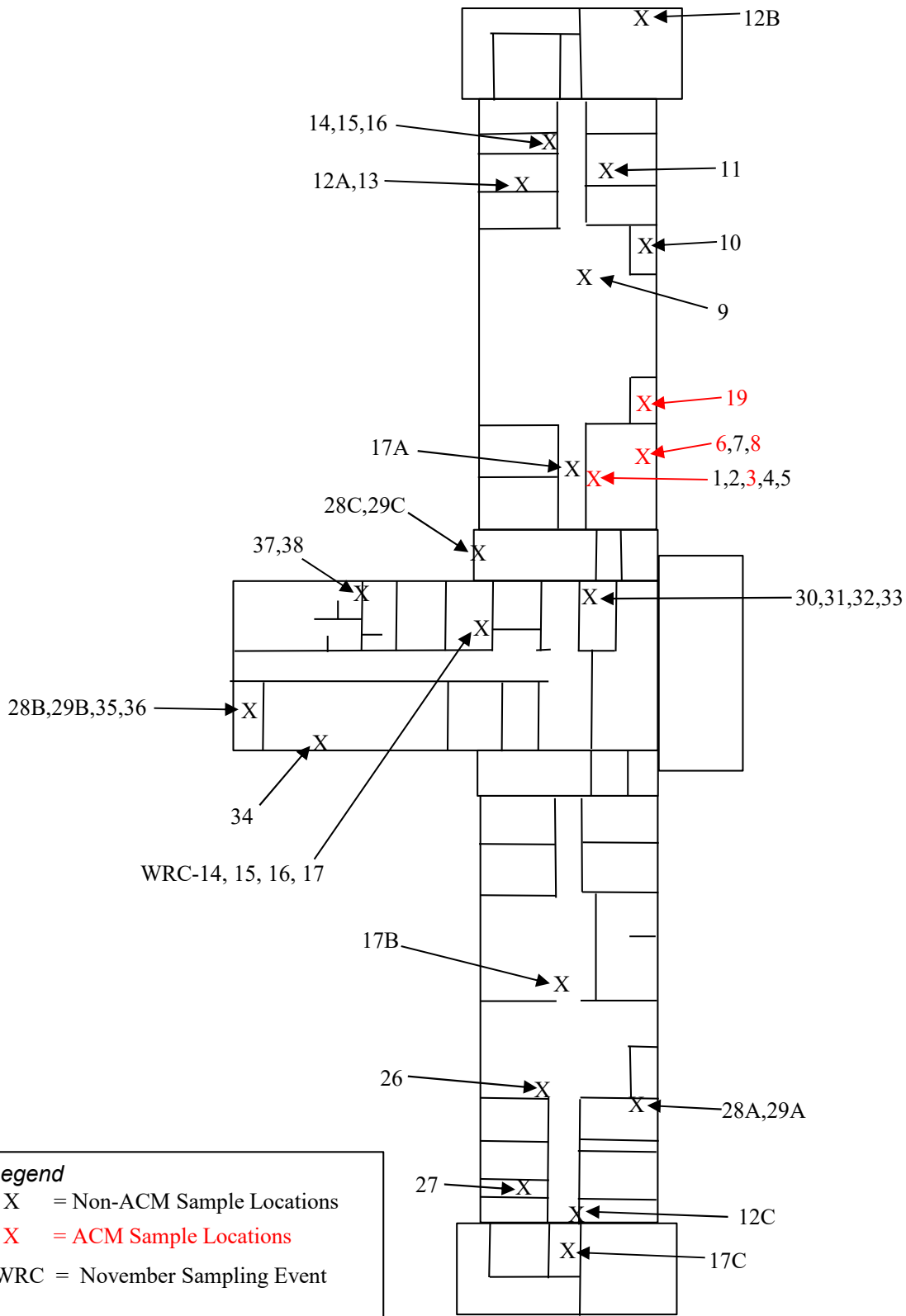


Legend
 X = Non-ACM Sample Locations
 X = ACM Sample Locations
 WRC = November Sampling Event

		
4503 E 50 th Street, Suite 800 Des Moines, IA 50317		
PROJECT NO: 204BS05194		
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2022	FILE: SiteMap.PPT

SITE MAP
 Medical Center
 First Floor

1251 224th St.
 Woodward, IA 50276



Legend
 X = Non-ACM Sample Locations
 X = ACM Sample Locations
 WRC = November Sampling Event



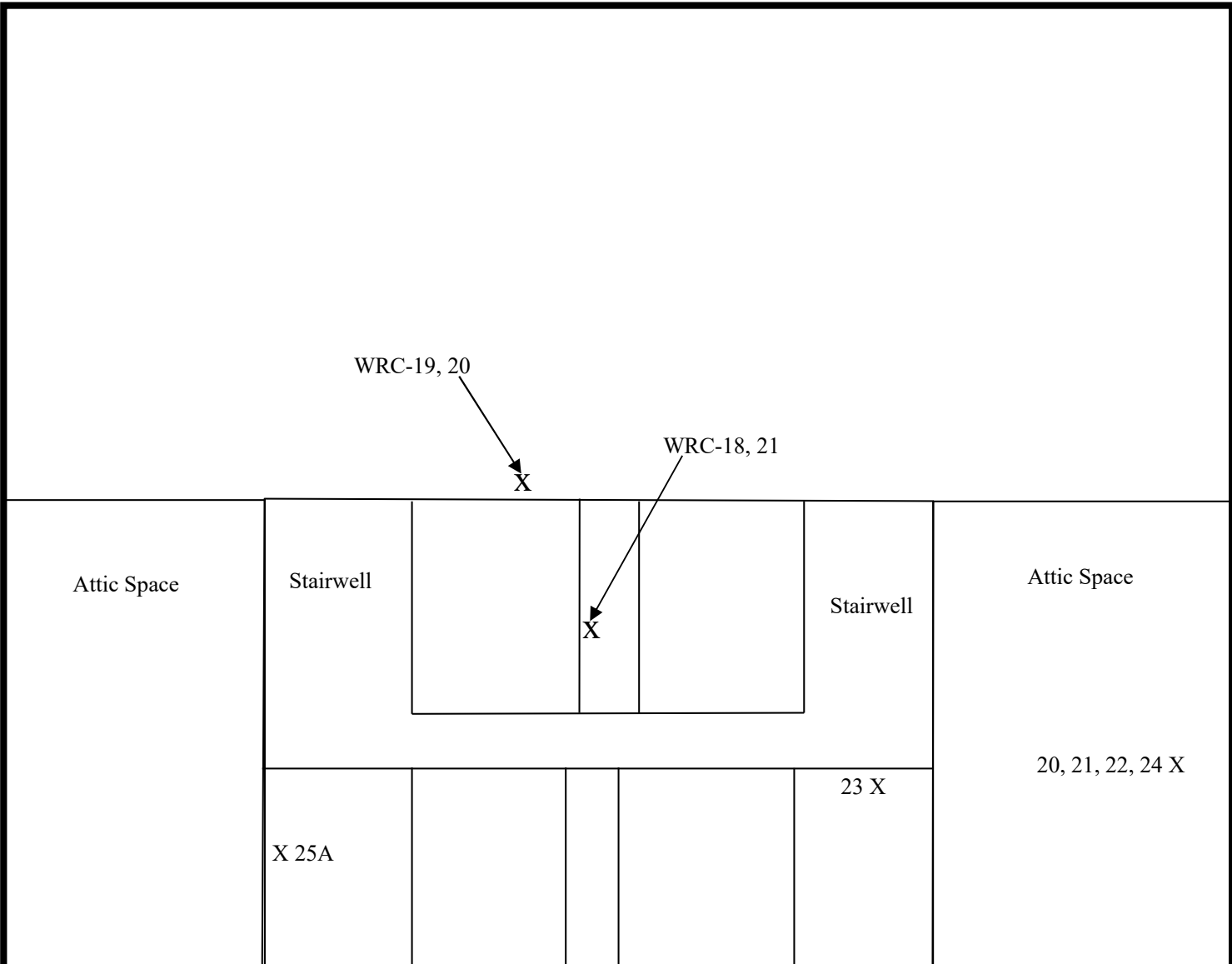
4503 E 50th Street, Suite 800
 Des Moines, IA 50317

SITE MAP

Medical Center
 Second Floor

1251 224th St.
 Woodward, IA 50276

PROJECT NO: 204BS05194		
DESIGNED BY: Atlas	SCALE: NTS	REVIEWED BY: EM
DRAWN BY: EM	DATE: 12/7/2022	FILE: SiteMap.PPT

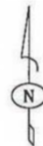


Legend

X = Non-ACM Sample Locations

X = ACM Sample Locations

WRC = November Sampling Event



ATLAS 4503 E 50th Street, Suite 800
Des Moines, IA 50317

SITE MAP
Medical Center
3rd Floor

PROJECT NO: 204BS05194

1251 224th St.
Woodward, IA 50276

DESIGNED BY: Atlas

SCALE: NTS

REVIEWED BY: EM

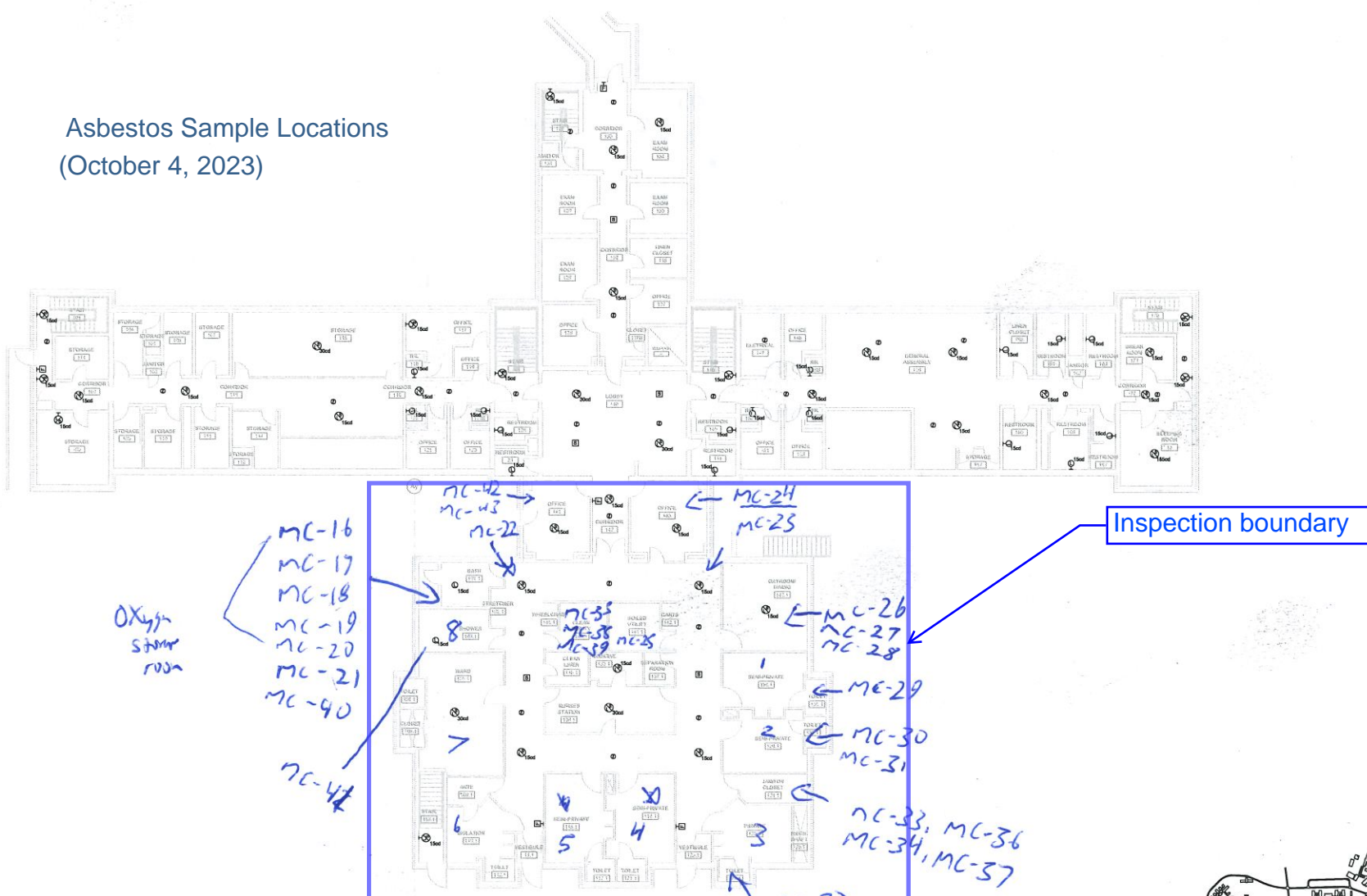
DRAWN BY: EM

DATE: 12/7/2022

FILE: SiteMap.PPT

Asbestos Sample Locations
(October 4, 2023)

KEYNOTES	
KEY	NOTE

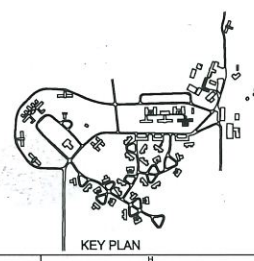


Oxygen
Storage
Room

MC-16
MC-17
MC-18
MC-19
MC-20
MC-21
MC-40
MC-41

Inspection boundary

NORTH
FIRST FLOOR - SYSTEMS PLAN
1/8" = 1'-0"



#9284-01) WRC Fire Alarm Phase 2

**PRELIMINARY
- NOT FOR
CONSTRUCTION**

DATE	2/23/2023
APPROVED BY	[Signature]
DESIGNED FOR	PROJECT OWNER
BASE DATE	2/23/2023
PROJECT NUMBER	12-E301
FILE NUMBER	

Asbestos Sample Locations (October 4, 2023)

KEYNOTES	
KEY	NOTE
13-EDM	ALL FIRE ALARM CABLING ON THIS FLOOR TO BE INSTALLED IN CONDUIT.
13-EDM	EXTEND CIRCUIT FROM EXISTING FACP TO NEW CAF ROOM, SHEDTING MAIN HOUSE FLOOR TO CONNECT NEW FACP.



Inspection boundary

SHIVEHATTERY
ARCHITECTURAL DESIGNERS
1425 WESTON AVENUE, SUITE 100
BOSTON, MA 02116
617.552.8181 | SHIVEHATTERY.COM

(#2204.01) WRC Fire Alarm Phase 2
New Department of Administrative Services
1011 South St., Wrentham, MA 01574

**PRELIMINARY
- NOT FOR
CONSTRUCTION**

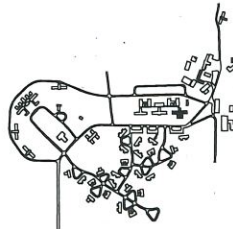
DATE	1/23
DESIGNED BY	WRC
APPROVED FOR	WRC
ISSUE DATE	08/24/23
PROJECT NUMBER	21-022004-01
FIELD BOOK	

BASEMENT
LEVEL SYSTEMS
PLAN

12-E300



AB BASEMENT LEVEL - SYSTEMS PLAN
1/4" = 1'-0"



KEY PLAN

APPENDIX D
STAFF CERTIFICATIONS

ERIC MUEGGENBERG

DOB: 08-14-1978

Issued: 02-19-2021



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	21-5776	02-16-2022
MANAGEMENT PLANNER	21-5777	02-16-2022
PROJECT DESIGNER	21-5778	02-17-2022



Asbestos

Rod A. Roberts

Rod A. Roberts
Labor Commissioner

ERIC BROWN

DOB: 05-07-1970

Issued: 02-19-2021



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	21-5779	02-16-2022



Asbestos

Rod A. Roberts
Rod A. Roberts
Labor Commissioner

ERIC BROWN


DOB: 05-07-1970

Issued: 03-01-2022



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	22-7943	02-09-2023


Asbestos

Rod A. Roberts
Rod A. Roberts
Labor Commissioner

ERIC BROWN


DOB: 05-07-1970

Issued: 02-08-2023



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	23-9474	02-08-2024

 **Larry Johnson, Jr.**
Labor Commissioner

APPENDIX E
PHOTOGRAPHS



View of the Woodward Medical Center

1



View of Blue Laminate Flooring (3% Chrysotile)

2

<p>Photograph Log Medical Center 1251 334th Street Woodward, Iowa</p>	<p>Atlas Technical Consultants, LLC 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
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View of Tan Duct Sealant (2% Chrysotile)

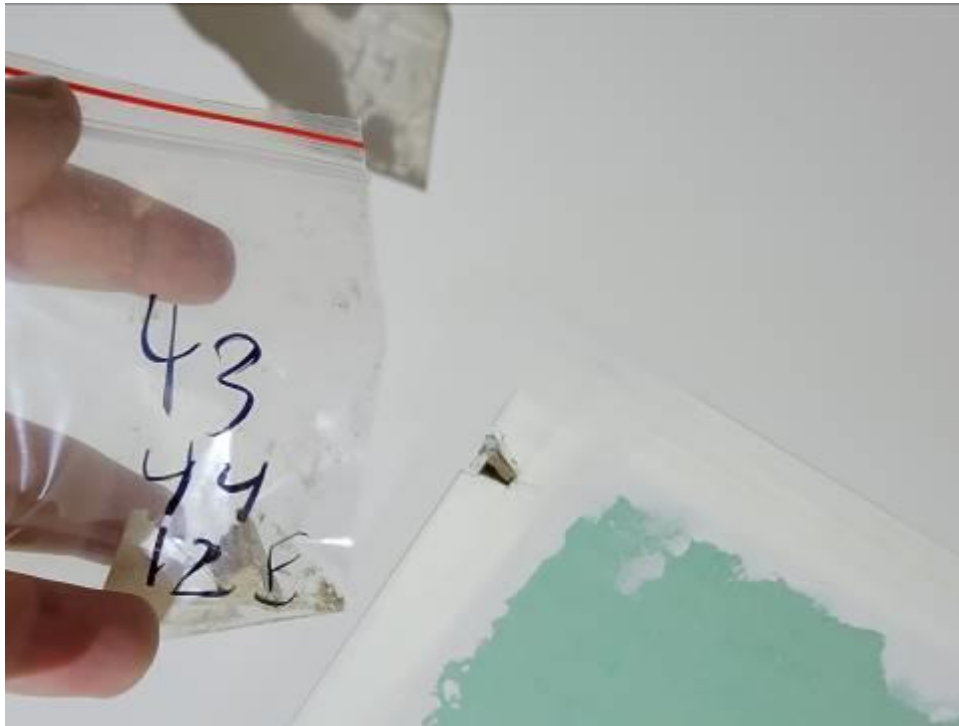
3



View of White Window Glazing
(2% Anthophyllite 2-3% Chrysotile)

4

<p>Photograph Log Medical Center 1251 334th Street Woodward, Iowa</p>	<p>Atlas Technical Consultants, LLC 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
---	--



View of Drywall Mud (2% Chrysotile)

5



View of Gray Sink Insulation (5% Chrysotile)

6

<p>Photograph Log Medical Center 1251 334th Street Woodward, Iowa</p>	<p>Atlas Technical Consultants, LLC 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
---	--



View of 9" x 9" Brown and gray/beige with pink, white, blue, brown VFT (3-5% Chrysotile)

7



View of TSI 1" Elbow (2% Chrysotile)

8

<p>Photograph Log Medical Center 1251 334th Street Woodward, Iowa</p>	<p>Atlas Technical Consultants, LLC 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
---	--



View of TSI 2" Pipe (10-20% Amosite 5% Chrysotile)

9



View of TSI Aerocell (40-65% Chrysotile)

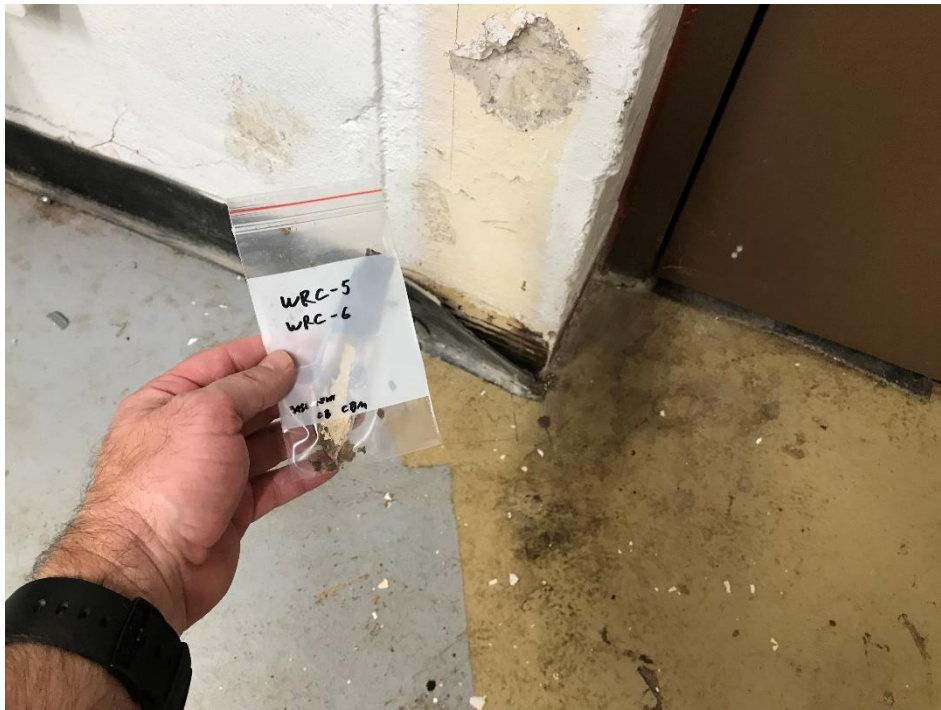
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<p>Photograph Log Medical Center 1251 334th Street Woodward, Iowa</p>	<p>Atlas Technical Consultants, LLC 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
---	--



View of Beige 9" x 9" Vinyl Floor Tile in Basement (WRC-1, 5% Chrysotile)

11



View of Brown Cove Base Mastic in Basement (WRC-6, 3% Chrysotile)

12

<p>Photograph Log Medical Center 1251 334th Street Woodward, Iowa</p>	<p>Atlas Technical Consultants, LLC 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
---	--



View of Brown Ceiling Pucks on 1st Floor (WRC-12, 3% Chrysotile)

13



View of the Asbestos Containing TSI Run (Mastic/Sealant).
(South Wing, MC 7, 4% Chrysotile)

14

<p>Photograph Log Medical Center 1251 334th Street Woodward, Iowa</p>	<p>Atlas Technical Consultants, LLC 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
---	--



View of the Asbestos Containing TSI Run (Mastic/Sealant).
(South Wing, MC 8, 4% Chrysotile)

15



View of the Asbestos Containing Blue Vinyl Flooring on Stairs.
(South Wing, MC 14, 3% Chrysotile)

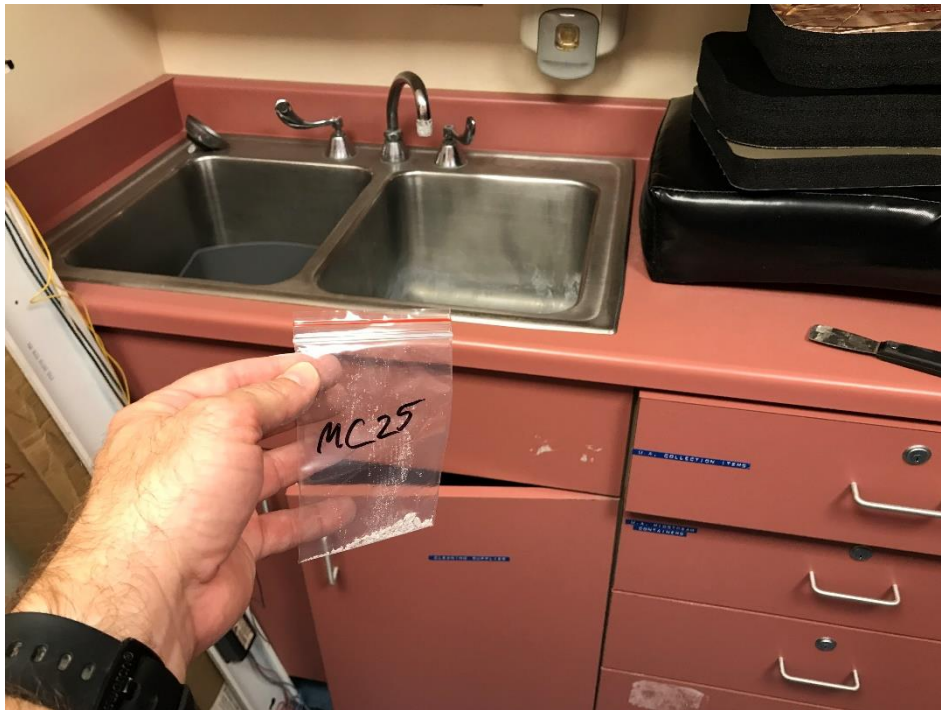
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<p>Photograph Log Medical Center 1251 334th Street Woodward, Iowa</p>	<p>Atlas Technical Consultants, LLC 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
---	--



View of the Asbestos Containing Blue Vinyl Flooring.
(South Wing, MC 23, 3% Chrysotile)

17



View of the Asbestos Containing White Sink Insulation.
(South Wing, MC 25, 15% Chrysotile)

18

<p>Photograph Log Medical Center 1251 334th Street Woodward, Iowa</p>	<p>Atlas Technical Consultants, LLC 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
---	--



View of the Asbestos Containing Blue Vinyl Flooring.
(South Wing, MC 30, 2% Chrysotile)

19



View of the Asbestos Containing White Caulk. (South Wing, MC 32, <1% Chrysotile)

20

<p>Photograph Log Medical Center 1251 334th Street Woodward, Iowa</p>	<p>Atlas Technical Consultants, LLC 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
---	--



View of the Asbestos Containing White Sink Insulation.
(South Wing, MC 35, 8% Chrysotile)



View facing northwest at 1251 334th Street in Woodward, Iowa.

1



View of white paint on window frame and trough. (2.0 and 5.9 mg/cm²)

2

<p>Photograph Log 1251 334th Street Woodward, IA 50276 Lead Based Paint Survey</p>	<p>Atlas 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
--	---



View of gray paint on plaster walls. (0.8 mg/cm²)

3



View of very light tan paint on the window frames (1.9 mg/cm²)

4

<p>Photograph Log 1251 334th Street Woodward, IA 50276 Lead Based Paint Survey</p>	<p>Atlas 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
--	---



3

View of off-white paint on plaster walls. (13.4 mg/cm²)

5



View of off-white paint on the walls (1.2 mg/cm²)

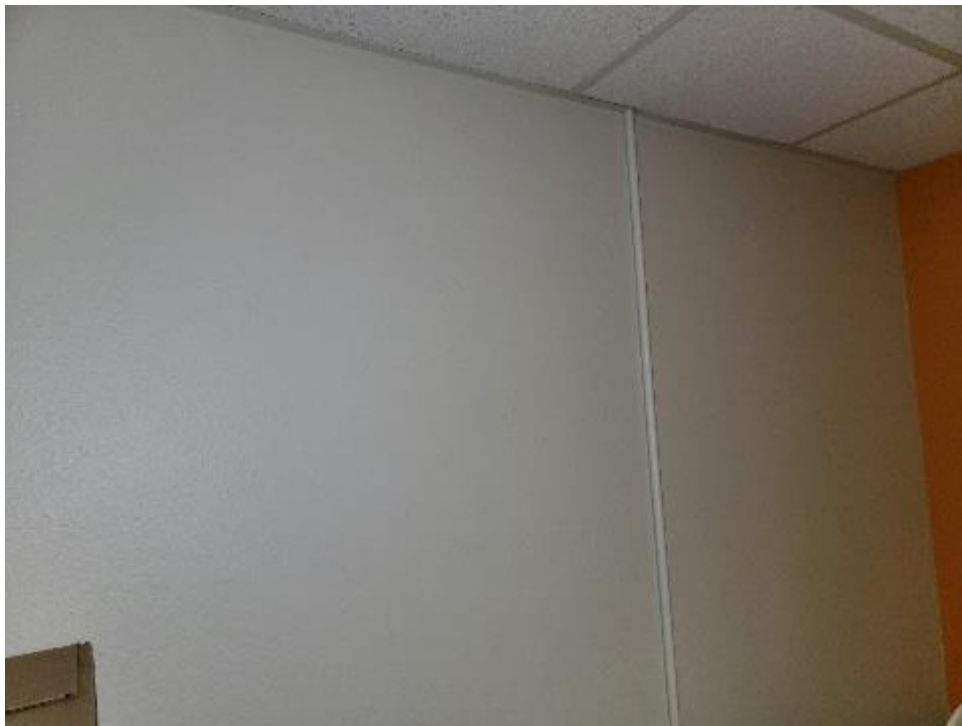
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<p>Photograph Log 1251 334th Street Woodward, IA 50276 Lead Based Paint Survey</p>	<p>Atlas 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
--	---



View of white paint on stair post and cage. (9.6 mg/cm²)

7



View of light yellow paint on the plaster walls. (17.3 mg/cm²)

8

<p>Photograph Log 1251 334th Street Woodward, IA 50276 Lead Based Paint Survey</p>	<p>Atlas 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
--	---



View of blue paint on metal attic access door. (1.0 mg/cm²)

9



View of pink over orange paint on the plaster walls. (17.3 mg/cm²)

10

<p>Photograph Log 1251 334th Street Woodward, IA 50276 Lead Based Paint Survey</p>	<p>Atlas 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
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View of white paint on plaster wall in N stairway. (17.9 mg/cm²)

11



View of white paint on walls in basement. (0.048% wt)

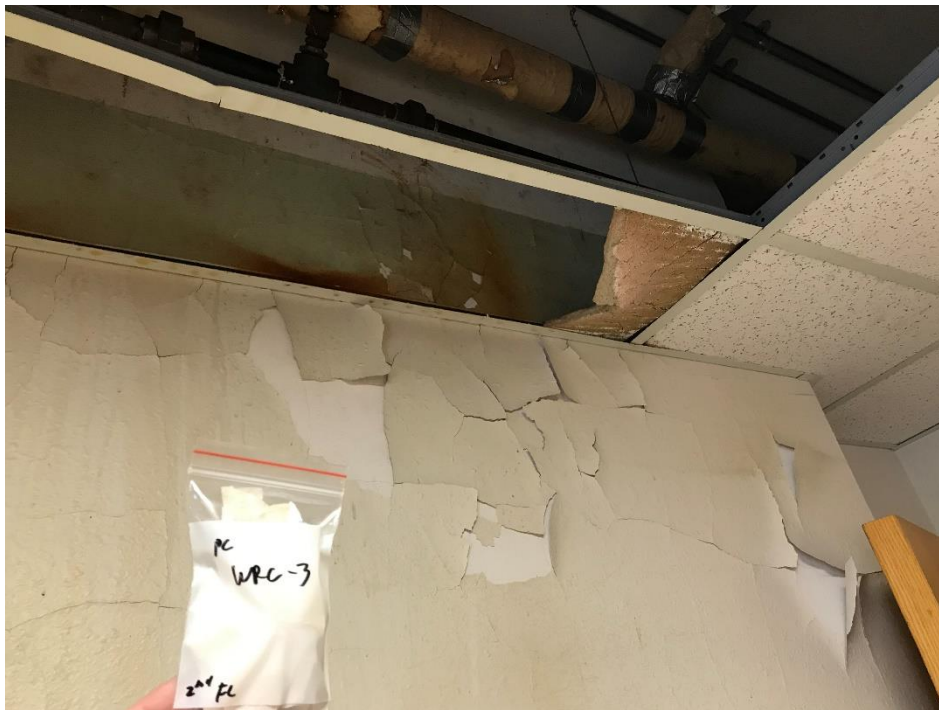
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<p>Photograph Log 1251 334th Street Woodward, IA 50276 Lead Based Paint Survey</p>	<p>Atlas 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
--	---



View of light blue paint on walls on 1st floor. (0.32 % wt)

14



View of off-white paint on walls on 2nd floor (0.077% wt)

15

<p>Photograph Log 1251 334th Street Woodward, IA 50276 Lead Based Paint Survey</p>	<p>Atlas 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
--	---



View of off-white paint on walls on 3rd floor. (0.0098% wt)