



HAZARDOUS BUILDING MATERIALS SURVEY REPORT

PREPARED FOR:

Story Construction
2810 Wakefield Circle
Ames, Iowa 50010

PROJECT LOCATION:

Elmcrest Building
1251 334th Street
Woodward, Iowa 50276

Project Date: September 28-29, 2023

Report Date: November 2, 2023

Atlas Project ID: 204BS06333

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



November 2, 2023

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

Re: Hazardous Building Materials Survey Report
Elmcrest Building
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

Elmcrest Building
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 materials survey in accordance with the referenced agreement and as outlined below:

1. Review 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

The survey was conducted at the Elmcrest Building located at 1251 334th Street in Woodward, Iowa. The survey area was limited to the areas to be disturbed as part of planned renovation activities.

3.0 ASBESTOS SURVEY

On September 28th and 29th, 2023, the site located at the Elmcrest Building at 1251 334th Street in Woodward, Iowa 50276 was inspected for asbestos-containing building materials by inspector Eric Brown of Atlas. Mr. Brown has completed the requisite training for asbestos accreditation as inspectors at a state approved training provider under TSCA Title II. Mr. Brown's State of Iowa Inspector number is 23-9474.

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 table contains a list of the one hundred fourteen (114) identified suspect asbestos containing materials sampled:

TABLE 1A: SUSPECT ASBESTOS MATERIALS		
MATERIAL	LOCATION	SAMPLE NUMBER
Window Glazing White	Exterior Basement	E 1
White Caulk	Exterior Basement	E 2
Brown Window Caulk	Exterior 1 st Floor	E 3
Gray Caulk	Exterior 1 st Floor	E 4
Brick Mortar	Exterior 1 st Floor	E 5
Gray Caulk	Exterior 1 st Floor	E 6
Gray Caulk	Exterior 1 st Floor	E 7
Window Glazing Red	Exterior Basement	E 8
Window Glazing White	Exterior Basement	E 9
Window Glazing Red	Exterior Basement	E 10
Brown Window Caulk	Exterior 1 st Floor	E 11
Gray Caulk	Exterior Ground Level	E 12



TABLE 1A: SUSPECT ASBESTOS MATERIALS		
MATERIAL	LOCATION	SAMPLE NUMBER
Gray Caulk	Exterior 3 rd Floor	E 13
Brick Mortar	Exterior 3 rd Floor	E 14
Plaster/Skim Coat	3 rd Floor	E 15
Plaster/Skim Coat	3 rd Floor	E 16
Vibration Damper	3 rd Floor HVAC	E 17
Attic Insulation	3 rd Floor	E 18
TSI 1½" Pipe	3 rd Floor	E 19
Drywall Mud	3 rd Floor	E 20
Drywall Mud	3 rd Floor	E 21
Drywall	3 rd Floor	E 22
6" Black Cove Base & Mastic	2 nd Floor	E 23
Ceiling Tile	2 nd Floor	E 24
Lt Brown Flooring	2 nd Floor	E 25
Reddish Brown Flooring	2 nd Floor	E 26
12"x12" VFT Brown	2 nd Floor	E 27
VFT Mastic Black	2 nd Floor	E 28
4" Black Cove Base & Mastic	2 nd Floor	E 29
1" Floor Tile Grout	2 nd Floor	E 30
Red Flooring	2 nd Floor	E 31
Plaster/Skim Coat	2 nd Floor	E 32
Red Flooring	2 nd Floor	E 33
Red Flooring	2 nd Floor	E 34
Plaster/Skim Coat	2 nd Floor	E 35
Drywall Mud	2 nd Floor	E 36
12"x12" VFT	2 nd Floor	E 37
Textured Paint	2 nd Floor	E 38
Drywall Mud	2 nd Floor	E 39
Reddish Brown Flooring	2 nd Floor	E 40
Lt Brown Flooring	2 nd Floor	E 41
Drywall Mud	2 nd Floor	E 42
Drywall Tape	2 nd Floor	E 43



TABLE 1A: SUSPECT ASBESTOS MATERIALS		
MATERIAL	LOCATION	SAMPLE NUMBER
Plaster/Skim Coat	2 nd Floor	E 44
White Caulk	2 nd Floor	E 45
Plaster/Skim Coat	2 nd Floor	E 46
Drywall	2 nd Floor	E 47
Drywall (Green Backing)	2 nd Floor	E 48
12"x12" VFT Black	1 st Floor	E 49
Plaster/Skim Coat	1 st Floor	E 50
Drywall Mud	1 st Floor	E 51
12"x12" VFT Gray	1 st Floor	E 52
12"x12" VFT Faux Stone	1 st Floor	E 53
Blue Flooring	1 st Floor	E 54
Faux Wood Flooring	1 st Floor	E 55
Reddish Brown Flooring	1 st Floor	E 56
Blue Flooring	1 st Floor	E 57
Lt Brown Flooring	1 st Floor	E 58
Drywall Mud	1 st Floor	E 59
Window Glazing	1 st Floor	E 60
TSI 1"	1 st Floor	E 61
Ceiling Tile	1 st Floor	E 62
Concrete	1 st Floor	E 63
12"x12" VFT Faux Wood	1 st Floor	E 64
Drywall Mud	1 st Floor	E 65
Faux Wood Flooring	1 st Floor	E 66
Felt Paper	1 st Floor	E 67
Plaster	1 st Floor	E 68
Drywall Tape	1 st Floor	E 69
1"x1" Floor Tile Grout Gray	1 st Floor	E 70
Terrazzo White	1 st Floor	E 71
12"x12" VFT Brown & Mastic Black	1 st Floor	E 72
Paint Texture	1 st Floor	E 73
Paint Texture	1 st Floor	E 74



TABLE 1A: SUSPECT ASBESTOS MATERIALS		
MATERIAL	LOCATION	SAMPLE NUMBER
Drywall	1 st Floor	E 75
1'x1' Ceiling Tile	1 st Floor	E 76
Ceiling Tile Brown Pucks	1 st Floor	E 77
TSI 1½" Pipe	1 st Floor	E 78
TSI 1" Pipe	1 st Floor	E 79
TSI 1" Pipe	Basement	E 80
Drywall Tape	Basement	E 81
Drywall Mud	Basement	E 82
Drywall	Basement	E 83
Transite Panel	Basement	E 84
Drywall Mud	Basement	E 85
Drywall Mud	Basement	E 86
Plaster	Basement	E 87
White Caulk	Basement	E 88
Gray Caulk	Basement	E 89
Black Caulk	Basement	E 90
Duct Wrap	Basement	E 91
Vibration Damper	Basement	E 92
TSI Run Med	Basement	E 93
TSI Elbow Med	Basement	E 94
TSI Elbow Sealant	Basement	E 95
TSI Elbow Sealant	Basement	E 96
TSI Elbow Sealant	Basement	E 97
TSI Elbow Lg	Basement	E 98
TSI Run Lg	Basement	E 99
TSI Elbow Lg	Basement	E 100
TSI Run Lg	Basement	E 101
TSI Elbow Sm	Basement	E 102
TSI Run Sm	Basement	E 103
TSI Elbow Med	Basement	E 104
TSI Run Med	Basement	E 105



TABLE 1A: SUSPECT ASBESTOS MATERIALS		
MATERIAL	LOCATION	SAMPLE NUMBER
TSI Elbow Lg	Basement	E 106
TSI Run Lg	Basement	E 107
TSI Elbow Med	Basement	E 108
TSI Run Med	Basement	E 109
TSI Elbow Sm	Basement	E 110
TSI Run Sm	Basement	E 111
TSI Elbow Sm	Basement	E 112
TSI Run Sm	Basement	E 113
4" Brown Cove Base	Basement	E 114

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

TABLE 2: IDENTIFIED ASBESTOS-CONTAINING MATERIALS				
MATERIAL	LOCATION	SAMPLE NUMBER	APPROX. QUANTITY	ASBESTOS CONTENT
Window Glazing	Exterior Basement Windows	E 1	21 Windows	3% Chrysotile
Gray Caulk	Exterior 1 st Floor W Wing N Side W Bricked Up Window	E 4	150 LF	4% Chrysotile
Red Window Glazing	Exterior Basement Windows	E 8	5 Windows	2% Chrysotile
White Window Glazing	Exterior Basement Windows	E 9	21 Windows	4% Chrysotile
VFT Mastic Black & Tan Backing	2 nd Floor Janitor Closet	E 28	60 SQFT	3% & 25% Chrysotile
Mastic Black/Yellow	2 nd Floor E Hallway Under Red Flooring	E 31	6,000 SQFT	<1% Chrysotile
Mastic Black/Yellow	2 nd Floor N Center Room Under Red Flooring	E 33		<1% Chrysotile
Gray Backing Under Lt Brown Flooring	2 nd Floor W Stairs Under Lt Brown Flooring	E 41	1,500 SQFT	20% Chrysotile
Gray Backing Under Blue Flooring	1 st Floor Under Blue Flooring	E 54	5,000 SQFT	15% Chrysotile
Mastic Yellow/Brown & Gray Backing	1 st Floor Under Lt Brown Flooring	E 58	1,500 SQFT	<1% & 25% Chrysotile
Black Mastic	1 st Floor Janitor Closet Under 12"x12" Brown VFT	E 72	60 SQFT	4% Chrysotile



TABLE 2: IDENTIFIED ASBESTOS-CONTAINING MATERIALS				
MATERIAL	LOCATION	SAMPLE NUMBER	APPROX. QUANTITY	ASBESTOS CONTENT
Ceiling tile brown Pucks	1 st Floor, North Wing	E 77	1,600 SQFT	4% Chrysotile
Transite Panel	Basement E Mechanical Room	E 84	1 Panel	20% Chrysotile
TSI Run Med	Basement E Wing E End of Hall	E 93	100 LF	15% Amosite 20% Crocidolite
TSI Elbow Med	Basement E Wing E End of Hall	E 94	4 Elbows	25% Chrysotile
Caulk White	Basement E Mechanical Room	E 96	5 SQFT	3% Chrysotile
TSI Elbow Sm	Basement Room B29	E 102	5 Elbows	15% Amosite 20% Chrysotile
TSI Run Sm	Basement Room B29	E 103	70 LF	10% Amosite 10% Chrysotile
TSI Elbow Med	Basement Room B29	E 104	5 Elbows	85% Chrysotile
TSI Run Med	Basement Room B29	E 105	70 LF	35% Amosite 15% Crocidolite
TSI Elbow Med Insulation & Texture	Basement N Wing N Room	E 108	10 Elbows	55% & 2% Chrysotile
TSI Run Med	Basement N Wing N Room	E 109	150 LF	30% Amosite 15% Crocidolite
TSI Elbow Sm Insulation & Texture	Basement N Wing N Room	E 110	10 Elbows	60% Chrysotile
TSI Run Sm	Basement N Wing N Room	E 111	150 LF	5% Amosite 35% Crocidolite
TSI Elbow Sm Insulation & Texture	Basement W Wing	E 112	14 Elbows	15% Amosite 25% Chrysotile 30% Crocidolite & 2% Amosite 4% Crocidolite
TSI Run Sm	Basement W Wing	E 113	160 LF	15% Amosite 30% Crocidolite

SQFT = Square Feet, LF = Linear Feet MF = Mechanical Fittings
NOTE: TSI throughout basement should be considered ACM

3.5 Laboratory Analytical Results

Bulk samples were analyzed by EMSL Analytical, Inc. located at 200 Route 130 North, Cinnaminson, NJ. 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 September 28th & 29th, 2022 the Elmcrest Building was inspected for lead paint by Eric Brown 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/m^3) and an action level (regardless of respirator use) of $30 \text{ mg}/\text{m}^3$.



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 thirty-eight (38) 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. 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. A detectable concentration of lead in the surface coating below 0.5% by weight is considered a lead-containing paint. The full copy of the lead analytical results is included in Appendix A.

Lead Paint Sampling Summary				
Sample ID	Sample Location	Representative Material	Paint Color	Lead Content %
PC E 1	Basement W Hallway	Wall	White	0.48%
PC E 2	Basement Center E Stairway	Wall	Dull Green	0.15 %
PC E 3	Basement E Hallway	Wall	Dull Pale Yellowish White	0.027 %
PC E 4	Basement Floor	Floor	Yellow	18 %
PC E 5	1 st Floor Room 105	Wall	Lt Gray	<0.0080 %
PC E 6	1 st Floor Room 105	Wall	Dk Gray	<0.0080 %
PC E 7	1 st Floor Hallway Pillars	Wall	White over Yellow	0.0085 %
PC E 8	1 st Floor Hallway	Wall	Lt Gray over Yellow	0.012 %
PC E 9	1 st Floor Janitor Closet 104	Wall	Dull Yellow	<0.0080 %
PC E 10	1 st Floor Room 113	Wall	Brown	<0.0080 %
PC E 11	1 st Floor Room 110	Wall	Orange-Brown	<0.0080 %
PC E 12	1 st Floor N Center Room	Wall	Green	<0.0080 %
PC E 13	1 st Floor S Center Room	Wall	Dk Green	<0.0080 %
PC E 14	1 st Floor Center Room	Wall	Dk Blue/Green	<0.0080 %
PC E 15	1 st Floor Center Room	Wall	Brown/Beige	<0.0080 %
PC E 16	1 st Floor Center Room	Wall	Dk Salmon	<0.0080 %
PC E 17	1 st Floor Center Room	Wall	Dk Green	<0.0080 %
PC E 18	1 st Floor	Fireplace	Dk Blue over Lt Salmon over Lt Green	<0.0080 %
PC E 19	1 st Floor Center Room	Wall	Sky Blue	<0.0080 %
PC E 20	1 st Floor Room 121	Wall	Blue	<0.0080 %
PC E 21	1 st Floor Center Room	Wall	Turquoise	<0.0080 %
PC E 22	1 st Floor Center Room	Wall	Black	<0.0080 %
PC E 23	1 st Floor Center Room	Wall	Lavender	<0.0080 %
PC E 24	1 st Floor Room 134	Wall	Blue	<0.0080 %
PC E 25	1 st Floor Center Room	Wall	Olive Green	<0.0080 %
PC E 26	2 nd Floor Hallway	Wall	Lt Brown	<0.0080 %
PC E 27	2 nd Floor Room 234	Wall	Lt Blue	<0.0080 %



Lead Paint Sampling Summary				
Sample ID	Sample Location	Representative Material	Paint Color	Lead Content %
PC E 28	2 nd Floor Room 236	Wall	Lavender over Black	0.059 %
PC E 29	2 nd Floor	Wall	Pink	<0.0080 %
PC E 30	2 nd Floor E Center Stairway	Post	Brown	0.11 %
PC E 31	2 nd Floor E Center Stairway	Wall	White over Green	1.7 %
PC E 32	2 nd Floor Room 219	Radiator	Silver	0.22 %
PC E 33	2 nd Floor Room 227	Wall	Blue over White	<0.0080 %
PC E 34	3rd Floor	Floor	Red	0.79 %
PC E 35	3 rd Floor Hallway	Radiator	Lt Green	0.36 %
PC E 36	3rd Floor Room 308	Wall	Lt Green	16 %
PC E 37	3rd Floor Exterior	Eaves	White	28 %
PC E 38	1 st Floor SE Stairs Room 245	Wall	Orange	<0.0080 %

- Test results identified the presence of lead-based paint in the yellow paint on the basement floor, the white paint on the center stairway walls on 2nd floor, the red paint on the 3rd floor, the light green paint on the walls on 3rd floor, and the white paint on the eaves on the exterior.
- Lead-containing paint was identified in the white paint in the west basement hallway, the dull green paint in the basement center stairway, the dull pale yellowish white paint in the east basement hallway, the white paint on the 1st floor hallway pillars, the light gray paint on the 1st floor hallway, the lavender paint on 2nd floor in room 236, the brown paint on 2nd floor center stairway posts, the silver paint on 2nd floor on the radiators, and the light green paint on the 3rd floor radiator.

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		
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	533 bulbs
	High Intensity Discharge lights	N/A
	Thermometers/ Manometers	N/A
Batteries	Smoke Detectors	142 (electronic)
	Emergency Lighting Systems	N/A
	Exit Signs	34
	Flashing Fire Alarms	54
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 was identified in the Window Glazing and Gray Caulk on the exterior, the Black VFT Mastic in the janitor closets, the Black/Yellow Mastic under the red flooring on 2nd floor, the Gray Backing under the Light Brown Flooring on 2nd floor, the gray backing under the Blue Flooring on 1st floor, the Yellow/Black Mastic and the Gray Backing under the Light Brown Flooring on 1st floor, the Brown Pucks on the ceiling on 1st Floor, the Transite Panel and White Caulking in the basement east mechanical room, the TSI

- Elbows and Runs on the small and medium sized pipes in the basement.
- Lead based paint was detected in the Yellow Paint on the basement floor, the White Paint on the walls of 2nd floor stairway, the Red Paint on the floor of 3rd floor, the Light Green Paint on the walls of 3rd floor, and the White Paint on the exterior of 3rd floor.
 - Lead Containing Paint was detected in the White, Dull Green, and Dull Pale Yellowish White Paints on the walls in the basement, the White and Light Gray Paints on the pillars and walls of 1st floor, the Lavender Paint in Room 236, the Brown Paint on the 2nd floor stairway posts, the Silver Paint on the 2nd floor radiators, and the Light Green Paint on the 3rd floor radiators.

7.0 ASSUMPTIONS AND LIMITATIONS

The results, findings, conclusions, and recommendations expressed in this report are based solely on conditions noted during the September 28th and 29th, 2023, Atlas hazardous building materials survey of the Elmcrest Building 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: 042323731

Customer ID: ATC55

Customer PO:

Project ID:

Attention: Eric Brown
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Received Date: 10/02/2023 10:35 AM

Analysis Date: 10/09/2023 - 10/10/2023

Collected Date: 09/28/2023 - 09/29/2023

Project: Woodward / Elmcrest / 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
E1 042323731-0001	B - N. Wing - W. Side - Basement Window - Window Glazing White	Tan/White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
E2 042323731-0002	B - W. Wing - N. Side - Basement Window - White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E3 042323731-0003	F1 - W. Wing - W. Side - N. Window - Brown Window Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E4 042323731-0004	F1 - W. Wing - N. Side - W. Bricked-up Window - Gray Caulk	Gray Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
E5 042323731-0005	F1 - W. Wing - NW Corner - Brick Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E6 042323731-0006	F1 - W. Wing - NW Door - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E7 042323731-0007	F1 - W. Wing - W. Side - Ground Level - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E8 042323731-0008	B - E. Wing - S. Side - 2nd Window from W. (Basement) - Red Window Glazing	Red Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
E9 042323731-0009	B - E. Wing - N. Side - White Window Glazing	Gray/White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
E10 042323731-0010	B - E. Wing - N. Side - Red Window Glazing	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E11 042323731-0011	F1 - E. Wing - N. Side - Brown Window Caulk	Brown/Gray Non-Fibrous Heterogeneous	3% Glass	97% Non-fibrous (Other)	None Detected
<i>Result includes a small amount of inseparable attached material</i>					
E12 042323731-0012	F1 - N. Wing - E. Side - Ground Level - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E13 042323731-0013	F3 - Exterior - S. Side under E. Vent - Gray Caulk	Gray/Black Non-Fibrous Heterogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
<i>Result includes a small amount of inseparable attached material</i>					
E14 042323731-0014	F3 - Exterior - S. Side under E. Vent - Brick Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E15-Plaster 042323731-0015	F3 - NW Room - Plaster	Gray Fibrous Homogeneous	3% Hair	97% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
E15-Skim Coat <i>042323731-0015A</i>	F3 - NW Room - Skim Coat	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E16-Plaster <i>042323731-0016</i>	F3 - SE Room - Plaster	Gray Fibrous Homogeneous	2% Hair	98% Non-fibrous (Other)	None Detected
E16-Skim Coat <i>042323731-0016A</i> <i>Inseparable paint / coating layer included in analysis</i>	F3 - SE Room - Skim Coat	Tan/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E17 <i>042323731-0017</i>	F3 - E. HVAC Room - Vibration Damper	Brown/Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
E18-Insulation <i>042323731-0018</i>	F3 - E. HVAC Room - Attic Insulation	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
E18-Wrap <i>042323731-0018A</i>	F3 - E. HVAC Room - Attic Wrap	White/Silver/Yellow Fibrous Homogeneous	65% Cellulose 10% Glass	25% Non-fibrous (Other)	None Detected
E19 <i>042323731-0019</i> <i>Result includes a small amount of inseparable attached material</i>	F3 - SE Room - TSI 1.5"	Brown/Black Fibrous Heterogeneous	65% Cellulose 10% Glass	25% Non-fibrous (Other)	None Detected
E20 <i>042323731-0020</i>	F3 - NE Room - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E21 <i>042323731-0021</i>	F3 - NW Room - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E23-Cove Base <i>042323731-0022</i>	F2 - E Room (246) - 6" Black Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E23-Mastic <i>042323731-0022A</i>	F2 - E Room (246) - Brown Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E25-Flooring <i>042323731-0023</i>	F2 - E Room (246) - Lt. Brown Flooring	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E25-Mastic <i>042323731-0023A</i>	F2 - E Room (246) - Tan Mastic	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E26-Flooring <i>042323731-0024</i>	F2 - E Hall (238) - Reddish Brown Flooring	Brown/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E26-Mastic <i>042323731-0024A</i>	F2 - E Hall (238) - Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E27 <i>042323731-0025</i>	F2 - Janitor Room (242) - 12"x12" VFT Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E28-Mastic <i>042323731-0026</i> <i>Result includes a small amount of inseparable attached material</i>	F2 - Janitor Closet (242) - Black VFT Mastic	White/Black Non-Fibrous Heterogeneous		97% Non-fibrous (Other)	3% Chrysotile
E28-Mastic 2 <i>042323731-0026A</i>	F2 - Janitor Closet (242) - Mastic	Yellow/Beige Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
<i>Result includes a small amount of inseparable attached material</i>					
E28-Backing 042323731-0026B	F2 - Janitor Closet (242) - Backing	Tan Fibrous Homogeneous	35% Cellulose	40% Non-fibrous (Other)	25% Chrysotile
E24 042323731-0027	F2 - East Room (246) - Ceiling Tile	Gray/White Fibrous Homogeneous	45% Cellulose 35% Min. Wool	20% Non-fibrous (Other)	None Detected
E29-Cove Base 042323731-0028	F2 - Janitor Closet (242) - 4" Black Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E29-Mastic 042323731-0028A	F2 - Janitor Closet (242) - Brown Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E30 042323731-0029	F2 - Restroom (237) - 1" Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E31-Flooring 042323731-0030	F2 - E. Hallway (232) - Red Flooring	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E31-Mastic 042323731-0030A	F2 - E. Hallway (232) - Mastic	Black/Yellow Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (Other)	<1% Chrysotile
<i>Result includes a small amount of inseparable attached material</i>					
E32-Plaster 042323731-0031	F2 - E. Room (246) - W. Wall - Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E32-Skim 042323731-0031A	F2 - E. Room (246) - W. Wall - Skim Coat	Tan/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
<i>Inseparable paint / coating layer included in analysis</i>					
E33-Flooring 042323731-0032	F2 - N. Center Room (221) - Red Flooring	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E33-Mastic 042323731-0032A	F2 - N. Center Room (221) - Mastic	Black/Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
<i>Result includes a small amount of inseparable attached material</i>					
E34-Flooring 042323731-0033	F2 - S. Center Room - Red Flooring	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E34-Mastic 042323731-0033A	F2 - S. Center Room - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E35-Plaster 042323731-0034	F2 - Room 219 - Fireplace Room - Plaster	Gray Fibrous Homogeneous	3% Hair	97% Non-fibrous (Other)	None Detected
E35-Skim Coat 042323731-0034A	F2 - Room 219 - Fireplace Room - Skim Coat	Tan/Silver Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
<i>Inseparable paint / coating layer included in analysis</i>					
E36-Texture 042323731-0035	F2 - Room 216 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E36-Skim Coat 042323731-0035A	F2 - Room 216 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
E37-VFT <small>042323731-0036</small>	F2 - Room 213 - 12"x12" VFT	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E37-Mastic <small>042323731-0036A</small>	F2 - Room 213 - Tan Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E38 <small>042323731-0037</small>	F2 - Room 213 - Textured Paint	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E39 <small>042323731-0038</small>	F2 - Room 211 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E22-Drywall <small>042323731-0039</small>	F3 - SE Room - Drywall	Brown/White Fibrous Homogeneous	15% Cellulose 3% Glass	82% Non-fibrous (Other)	None Detected
E22-Joint Compound <small>042323731-0039A</small>	F3 - SE Room - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E22-Texture <small>042323731-0039B</small>	F3 - SE Room - Texture	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E40-Flooring <small>042323731-0040</small>	F2 - W. Hallway - Reddish Brown Flooring	Brown/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E40-Mastic <small>042323731-0040A</small>	F2 - W. Hallway - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E40-Leveler <small>042323731-0040B</small>	F2 - W. Hallway - Leveler	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E41-Flooring <small>042323731-0041</small>	F2 - W. Stairs - Lt. Brown Flooring	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E41-Mastic <small>042323731-0041A</small>	F2 - W. Stairs - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E41-Leveler <small>042323731-0041B</small>	F2 - W. Stairs - Leveler	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E41-Backing <small>042323731-0041C</small>	F2 - W. Stairs - Lt. Brown Flooring	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
E42 <small>042323731-0042</small>	F2 - W. Stairs - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E43 <small>042323731-0043</small>	F2 - W. Stairs - Tan Drywall Tape	Tan Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
E44-Plaster <small>042323731-0044</small>	F2 - W. Stairs - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E44-Skim Coat <small>042323731-0044A</small>	F2 - W. Stairs - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E45 <small>042323731-0045</small>	F2 - Room 205 Restroom - White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
E46-Plaster <small>042323731-0046</small>	F2 - Restroom (203) - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E46-Skim Coat <small>042323731-0046A</small>	F2 - Restroom (203) - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E47 <small>042323731-0047</small>	F2 - Janitor Room 204 - Drywall	Brown/Tan Fibrous Homogeneous	10% Cellulose 5% Glass	85% Non-fibrous (Other)	None Detected
E48 <small>042323731-0048</small>	F2 - Janitor Room 204 - Drywall (Green Backing)	Brown/Tan Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
E49-VFT <small>042323731-0049</small>	F1 - E. Room (146) - 12"x12" VFT Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E49-Mastic <small>042323731-0049A</small>	F1 - E. Room (146) - Mastic	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E50-Plaster <small>042323731-0050</small>	F1 - E. Room (146) - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E50-Skim <small>042323731-0050A</small>	F1 - E. Room (146) - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E51 <small>042323731-0051</small>	F1 - E. Stairs - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E52 <small>042323731-0052</small>	F1 - Room 136 - 12"x12" VFT Gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E53-VFT <small>042323731-0053</small>	F1 - 12"x12" VFT Faux Stone	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E53-Mastic <small>042323731-0053A</small>	F1 - Mastic	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E54-Flooring <small>042323731-0054</small>	F1 - Blue Flooring	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E54-Mastic <small>042323731-0054A</small>	F1 - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E54-Leveler <small>042323731-0054B</small>	F1 - Leveler	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E54-Backing <small>042323731-0054C</small>	F1 - Backing	Gray Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
E55-Flooring <small>042323731-0055</small>	F1 - Faux Wood Flooring 12"x12"	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E55-Mastic <small>042323731-0055A</small>	F1 - Mastic	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E56-Flooring <small>042323731-0056</small>	F1 - Room 120 - Reddish Brown Flooring	Brown/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
E56-Mastic <i>042323731-0056A</i>	F1 - Room 120 - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E57-Flooring <i>042323731-0057</i>	F1 - Room 121 - Blue Flooring	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E57-Mastic <i>042323731-0057A</i>	F1 - Room 121 - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E57-Leveler <i>042323731-0057B</i>	F1 - Room 121 - Leveler	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E58-Flooring <i>042323731-0058</i>	F1 - SW Stairs - Lt. Brown Flooring	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E58-Mastic <i>042323731-0058A</i>	F1 - SW Stairs - Mastic <i>Result includes a small amount of inseparable attached material</i>	Brown/Yellow Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
E58-Backing <i>042323731-0058B</i>	F1 - SW Stairs - Backing	Gray Fibrous Homogeneous	35% Cellulose	40% Non-fibrous (Other)	25% Chrysotile
E59 <i>042323731-0059</i>	F1 - Room 120 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E60 <i>042323731-0060</i>	F1 - Room 148 - Window Glazing	Tan Non-Fibrous Homogeneous	2% Fibrous (Other)	98% Non-fibrous (Other)	None Detected
E61-TSI <i>042323731-0061</i>	F1 - Room 148 - TSI 1"	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
E61-Wrap <i>042323731-0061A</i>	F1 - Room 148 - Wrap	Brown/Silver Fibrous Homogeneous	50% Cellulose 15% Glass	35% Non-fibrous (Other)	None Detected
E62 <i>042323731-0062</i>	F1 - Room 148 - Ceiling Tile	Gray Fibrous Homogeneous	70% Cellulose	20% Mica 10% Non-fibrous (Other)	None Detected
E63 <i>042323731-0063</i>	F1 - Center West Stairs - Concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E64-VFT <i>042323731-0064</i>	F1 - Room 115 - Faux Wood 12"x12" VFT	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E64-Mastic <i>042323731-0064A</i>	F1 - Room 115 - Mastic	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E65 <i>042323731-0065</i>	F1 - Room 115 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E66-Flooring <i>042323731-0066</i>	F1 - Room 110 - Faux Wood Flooring	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E66-Mastic <i>042323731-0066A</i>	F1 - Room 110 - Mastic	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
E67 <small>042323731-0067</small>	F1 - Room 114 - Felt Paper	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
E68 <small>042323731-0068</small>	F1 - Room 114 - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E69 <small>042323731-0069</small>	F1 - by Elevator - Drywall Tape	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
E70 <small>042323731-0070</small>	F1 - Restroom (109) - 1"x1" Floor Tile Grout Gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E71 <small>042323731-0071</small>	F1 - Restroom (109) - Terrazzo White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E72-VFT <small>042323731-0072</small>	F1 - Janitor Closet (104) - 12"x12" VFT Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E72-Mastic <small>042323731-0072A</small>	F1 - Janitor Closet (104) - Black Mastic	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
E74 <small>042323731-0073</small>	F1 - Room 146 - Paint Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E73 <small>042323731-0074</small>	F1 - Room 105 - Paint Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E75 <small>042323731-0075</small>	F1 - Room 120 - Drywall	Brown/Gray Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (Other)	None Detected
E76 <small>042323731-0076</small>	F1 - Room 121 - 1'x1' Ceiling Tile	White/Yellow Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
E77 <small>042323731-0077</small>	F1 - Room 121 - Brown Pucks	Brown Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
E78-TSI <small>042323731-0078</small>	F1 - Room 133 - TSI 1.5" Pipe	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
E78-Wrap <small>042323731-0078A</small>	F1 - Room 133 - Wrap	Tan/Silver Fibrous Homogeneous	50% Cellulose 10% Glass	40% Non-fibrous (Other)	None Detected
E78-Caulk <small>042323731-0078B</small>	F1 - Room 133 - Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E79-TSI <small>042323731-0079</small>	F1 - Room 120 - TSI 1" Pipe	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
E79-Wrap <small>042323731-0079A</small>	F1 - Room 120 - Wrap	Tan/Silver Fibrous Homogeneous	50% Cellulose 10% Glass	40% Non-fibrous (Other)	None Detected
E80-TSI <small>042323731-0080</small>	B - Room B01 (SW Area) - TSI 1" Pipe	Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
E80-Wrap <small>042323731-0080A</small>	B - Room B01 (SW Area) - Wrap	White/Silver Fibrous Homogeneous	50% Cellulose 10% Glass	40% Non-fibrous (Other)	None Detected

Initial report from: 10/10/2023 14:28:05



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: 042323731
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
E81 <i>042323731-0081</i>	B - Door to B30A - Drywall Tape	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
E82 <i>042323731-0082</i>	B - Door to B30A - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E83 <i>042323731-0083</i>	B - East Mechanical Room - Drywall	Brown/Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
E84 <i>042323731-0084</i>	B - East Mechanical Room - Transite Panel	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
E85 <i>042323731-0085</i>	B - West Mechanical Room - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E86 <i>042323731-0086</i>	B - Room B02 - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E87-Plaster <i>042323731-0087</i>	B - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E87-Texture <i>042323731-0087A</i>	B - Texture	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E88 <i>042323731-0088</i>	B - White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E89 <i>042323731-0089</i>	B - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E90 <i>042323731-0090</i>	B - Door to B36 - Black Caulk	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E91 <i>042323731-0091</i>	B - Duct Wrap	White Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
<i>Result includes a small amount of inseparable attached material</i>					
E92 <i>042323731-0092</i>	B - Vibration Damper	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
E93 <i>042323731-0093</i>	B - E. Wing - E. End of Hall - TSI Run Med	White Fibrous Homogeneous		65% Non-fibrous (Other)	15% Amosite 20% Crocidolite
E94 <i>042323731-0094</i>	B - E. Wing - E. End of Hall - TSI Elbow Med	White Fibrous Homogeneous		75% Non-fibrous (Other)	25% Chrysotile
E95 <i>042323731-0095</i>	B - E. Mechanical Room - TSI Elbow Sealant	Gray Non-Fibrous Homogeneous	25% Min. Wool	75% Non-fibrous (Other)	None Detected
E96-Sealant <i>042323731-0096</i>	B - E. Mechanical Room - TSI Elbow Sealant	Gray Non-Fibrous Homogeneous	25% Min. Wool	75% Non-fibrous (Other)	None Detected
E96-Caulk <i>042323731-0096A</i>	B - E. Mechanical Room - TSI Elbow Caulk	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile

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EMSL Order: 042323731
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
E97 042323731-0097	B - E. Mechanical Room - TSI Elbow Sealant	Gray Fibrous Homogeneous	30% Min. Wool	70% Non-fibrous (Other)	None Detected
E98 042323731-0098	B - E. Hall - TSI Elbow Lg	Gray Fibrous Homogeneous	25% Min. Wool	75% Non-fibrous (Other)	None Detected
E99-Foam 042323731-0099	B - E. Hall - Chilled H2O Return - TSI Run Lg	Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E99-Wrap 042323731-0099A	B - E. Hall - Chilled H2O Return - TSI Run Lg	Gray/Silver Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
E100 042323731-0100	B - E. Hall - TSI Elbow Lg	Gray/Yellow Fibrous Homogeneous	30% Min. Wool 25% Glass	45% Non-fibrous (Other)	None Detected
E101-Foam 042323731-0101	B - E. Hall - TSI Run Lg	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E101-Wrap 042323731-0101A	B - E. Hall - TSI Run Lg	Gray/Silver Fibrous Homogeneous	12% Glass	88% Non-fibrous (Other)	None Detected
E102 042323731-0102	B - Room B29 - TSI Elbow Small	Tan/White Fibrous Homogeneous		65% Non-fibrous (Other)	15% Amosite 20% Chrysotile
E103 042323731-0103	B - Room B29 - TSI Run Small	White Fibrous Homogeneous		80% Non-fibrous (Other)	10% Amosite 10% Chrysotile
E104-Insulation 042323731-0104	B - Room B29 - TSI Elbow Med	Gray Fibrous Homogeneous		15% Non-fibrous (Other)	85% Chrysotile
E104-Wrap 042323731-0104A	B - Room B29 - TSI Elbow Med	Brown/Silver Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
E105 042323731-0105	B - Room B29 - TSI Run Med	White Non-Fibrous Homogeneous		50% Non-fibrous (Other)	35% Amosite 15% Crocidolite
E106 042323731-0106	B - Center Hall - TSI Elbow Lg	Brown Non-Fibrous Homogeneous	10% Min. Wool	90% Non-fibrous (Other)	None Detected
E107-Foam 042323731-0107	B - Center Hall - TSI Run Lg	Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E107-Wrap 042323731-0107A	B - Center Hall - TSI Run Lg	Gray/Silver Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
E108-Insulation 042323731-0108	B - N. Wing - N. Room - TSI Elbow Med	White Fibrous Homogeneous		45% Non-fibrous (Other)	55% Chrysotile
E108-Texture 042323731-0108A	B - N. Wing - N. Room - TSI Elbow Med	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
E109 042323731-0109	B - N. Wing - N. Room - TSI Run Med	White Fibrous Homogeneous		55% Non-fibrous (Other)	30% Amosite 15% Crocidolite
E110-Insulation 042323731-0110	B - N. Wing - N. Room - TSI Elbow Sm	White Fibrous Homogeneous		40% Non-fibrous (Other)	60% Chrysotile

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EMSL Order: 042323731
Customer ID: ATC55
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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
E110-Texture 042323731-0110A	B - N. Wing - N. Room - TSI Elbow Sm	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
E110-Mastic 042323731-0110B <i>Inseparable paint / coating layer included in analysis</i>	B - N. Wing - N. Room - TSI Elbow Sm	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E111 042323731-0111	B - N. Wing - N. Room - TSI Run Sm	White Non-Fibrous Homogeneous		60% Non-fibrous (Other)	5% Amosite 35% Crocidolite
E112-Insulation 042323731-0112	B - W. Wing - TSI Elbow Sm	White Fibrous Homogeneous		30% Non-fibrous (Other)	15% Amosite 25% Chrysotile 30% Crocidolite
E112-Texture 042323731-0112A	B - W. Wing - TSI Elbow Sm	Tan Non-Fibrous Homogeneous		94% Non-fibrous (Other)	2% Amosite 4% Crocidolite
E113 042323731-0113	B - W. Wing - TSI Run Sm	White Fibrous Homogeneous		55% Non-fibrous (Other)	15% Amosite 30% Crocidolite
E114-Cove Base 042323731-0114	B - W. Wing - 4" Brown Cove Base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E114-Mastic 042323731-0114A	B - W. Wing - Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E114-Joint Compound 042323731-0114B	B - W. Wing - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

- Andrew Borsos (4)
- Andrea Doughty (85)
- Brett Polumbo (35)
- Brett Teixeira (29)
- Michael Bocchicchio (18)

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: 10/10/2023 14:28:05



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: CinnAsblab@EMSL.com

042323731

ALYTICAL, 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: ATC 55	Billing ID: ATC 55
	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 204B506333** Purchase Order:

FMSL 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 BRONX** Sampled By Signature: *Eric Bronx* No. of Samples in Shipment: **114**

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

PCM Air
 NIOSH 7400
 NIOSH 7400 w/ 8hr. TWA
PLM - Bulk (reporting limit)
 PLM EPA 600/R-93/116 (<1%)
 PLM EPA NOB (<1%)
 POINT COUNT
 400 (<0.25%) 1,000 (<0.1%)
 POINT COUNT w/ GRAVIMETRIC
 400 (<0.25%) 1,000 (<0.1%)
 NIOSH 9002 (<1%)
 NYS 198.1 (Friable - NY)
 NYS 198.6 NOB (Non-Friable - NY)
 NYS 198.8 (Vermiculite SM-V)

TEM - Air
 AHERA 40 CFR, Part 763
 NIOSH 7402
 EPA Level II
 ISO 10312*

TEM - Bulk
 TEM EPA NOB
 NYS NOB 198.4 (Non-Friable-NY)
 TEM EPA 600/R-93/116 w Milling Prep (0.1%)

TEM - Settled Dust
 Microvac - ASTM D5755
 Wipe - ASTM D6480
 Qualitative via Filtration Prep
 Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
 PLM EPA 600/R-93/116 with milling prep (<0.25%)
 PLM EPA 600/R-93/116 with milling prep (<0.1%)
 TEM EPA 600/R-93/116 with milling prep (<0.1%)
 TEM Qualitative via Filtration Prep
 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.)

ANALYZE GROUT ONLY IN E30

Method of Shipment:	Sample Condition Upon Receipt:
Relinquished by: <i>Eric Bronx</i> Date/Time: 9/29/2023 16:00	Received by: <i>FX</i> Date/Time: 10/23/23 10:35A
Relinquished by:	Received by:
Date/Time:	Date/Time:

Controlled Document - COC-05 Asbestos R16 10/28/2021 **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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OCT 23 10:51 AM

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ASBESTOS BULK SAMPLE FORM



11117 Mockingbird Drive
Omaha, NE 68137

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

Project Information

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 9/28/2023	Site Location: ELMCREST	ATLAS PROJECT NUMBER: 204BS06333

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Sample #	Material Description	Floor	Sample Location	Quantity
E1	WINDOW GLAZING WHITE	B	N. WING W. SIDE BASEMENT WINDOW	
E2	WHITE CAULK	B	W. WING N. SIDE BASEMENT WINDOW	
E3	BROWN WINDOW CAULK	1	W. WING W. SIDE N. WINDOW	
E4	GRAY CAULK	1	W. WING N. SIDE W. BRICKED UP WINDOW	
E5	BRICK MORTAR	1	W. WING NW CORNER	
E6	GRAY CAULK	1	W. WING NW DOOR	
E7	GRAY CAULK	1	W. WING W. SIDE GROUND LEVEL	
E8	WINDOW GLAZING RED	B	E. WING S. SIDE 2ND WINDOW FROM W. (BASEMENT)	
E9	WINDOW GLAZING WHITE	B	E. WING N. SIDE	
E10	WINDOW GLAZING RED	B	E. WING H. SIDE	
E11	BROWN WINDOW CAULK	1	E. WING N. SIDE	
E12	GRAY CAULK	1	N. WING E. SIDE GROUND LEVEL	
E13	GRAY CAULK	3	EXTERIOR S. SIDE UNDER E. VENT	

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Project Information

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 9/28/2023	Site Location: ELMCREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E14	BRICK MORTAR	3	EXTERIOR S. SIDE E. VENT	
E15	PLASTER/SKIM COAT	3	NW ROOM	
E16	PLASTER/SKIM COAT	3	SE ROOM	
E17	VIBRATION DAMPER	3	E. HVAC ROOM	
E18	ATTIC INSULATION	3	E HVAC ROOM	
E19	TSI 1 1/2"	3	SE ROOM	
E20	DRYWALL MUD	3	NE ROOM	
E21	DRYWALL MUD	3	NW ROOM	
E22	PLASTER/SKIM COAT	2	E ROOM (246) DRYWALL	
E23	6" BLACK COVERBASE & BROWN MASTIC	2	E ROOM (246)	
E24	LT. BROWN FLOORING & TAN MASTIC	2	E ROOM (246)	EXC 246
E25	REDDISH BROWN FLOORING	2	E HALL (238)	
E27	12" X 12" V-T BROWN	2	JANITOR ROOM (242)	

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Project Information

Client:	Project Description: 2023 OCT -2 P 155 WOODWARD	Project Manager: SH Inspector: EO
Date: 9/28/2023	Site Location: ELMCREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E28	BLACK VFT MASTIC	2	JANITOR CLOSET (242)	
E28 ⁴	CEILING TILE	2	EAST ROOM (246)	
E29	4" BLACK COVERBASE ^{BROWN} MASTIC	2	JANITOR CLOSET (242)	
E30	1" FLOOR TILE GROUT	2	RESTROOM (237)	
E31	RED FLOORING	2	E HALLWAY (232)	
E32	PLASTER/SKIM COAT	2	E ROOM (246) W. WALL	
E33	RED FLOORING	2	N CENTER ROOM (221)	
E34	RED FLOORING	2	S CENTER ROOM	
E35	PLASTER/ SKIMCOAT	2	ROOM 219 FIREPLACE ROOM	
E36	DRYWALL MUD	2	ROOM 216	
E37	12" X 12" VFT w/ TAN MASTIC	2	ROOM 213	
E38	TEXTURED PAINT	2	ROOM 213	
E39	DRYWALL MUD	2	ROOM 211	

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 JOHN HANSON, NJ

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Project Information

Client:	Project Description: 2023 OCT -2 P 3:55 WOODWARD	Project Manager: SH Inspector: EB
Date: 9/28/2023	Site Location: ELM CREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E22	DRY WALL	3	SE ROOM	
E40	REDDISH BROWN FLOORING	2	W. HALLWAY	
E41	LX BROWN FLOORING	2	W. STAIRS	
E42	DRYWALL MUD	2	W. STAIRS	
E43	TAN DRYWALL TAPE	2	W. STAIRS	
E44	PLASTER/SKIM COAT	2	W. STAIRS	
E45	WHITE CAULK	2	ROOM 205 RESTROOM	
E46	PLASTER/SKIM COAT	2	RESTROOM (203)	
E47	DRYWALL	2	JANITOR ROOM 204	
E48	DRYWALL (GREEN BACKING)	2	JANITOR ROOM 204	
E49	12"X12" VFT BLACK	1	E ROOM (146)	
E50	PLASTER/SKIM COAT	1	E ROOM (146)	
E51	DRYWALL MUD	1	E STAIRS	

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Project Information

Client:	Project Description: 2023 OCT -2 P 3:35 WOODWARD	Project Manager: SH Inspector: EB
Date: 9/28/2023 9/29/2023	Site Location: ELMCREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E52	12"x12" VFT GRAY		Room 136	
E53	12"x12" VFT FAUX STONE			
E54	BLUE FLOORING			
9/28 E55	FAUX WOOD FLOORING 12"x12"			
9/29 E56	REDDISH BROWN FLOORING		Room 120	
E57	BLUE FLOORING		Room 121	
E58	Lt. BROWN FLOORING		SW STAIRS	
E59	DRYWALL MUD		Room 120	
E60	WINDOW GLAZING		Room 148	
E61	TSI 1"		Room 148	
E62	CEILING TILE		Room 148	
E63	CONCRETE		CENTER WEST STAIRS	
E64	FAUX WOOD 12"x12" VFT		Room 115	

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Project Information

Client:	Project Description: WOODWARD	Project Manager: SH Inspector: EB
Date: 9/29/2023	Site Location: ELMCREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E65	DRYWALL MUD	1	ROOM 115	
E66	FALX WOOD FLOORING	1	ROOM 110	
E67	FELT PAPER	1	ROOM 114	
E68	PLASTER	1	ROOM 114	
E69	DRYWALL TAPE	1	BY ELEVATOR	
E70	^{FLOOR} 1" x 1" TILE GROUT GRAY	1	RESTROOM (109)	
E71	TERRAZZO WHITE	1	RESTROOM (109)	
E72	12" X 12" VFT BROWN w/BLACK MARBLE	1	JANITOR CLOSET (104)	
E74	PAINT TEXTURE	1	ROOM 146	
E73	PAINT TEXTURE	1	ROOM 105	
E75	DRYWALL	1	ROOM 120	
E76	1' x 1' CEILING TILE	1	ROOM 121	
E77	BROWN PUCKS	1	ROOM 121	

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Project Information

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Date: 9/29/2023	Site Location: ELMCREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E78	TSI 1 1/2" PIPE	1	ROOM 133	
E79	TSI 1" PIPE	1	ROOM 120	
E80	TSI 1" PIPE	B	ROOM B01 (See Room)	
E81	DRYWALL TAPE	B	DOOR TO B30A	
E82	DRYWALL MUD	B	DOOR TO B30A	
E83	DRYWALL MECHANICAL ROOM ^{EAST}	B	EAST MECHANICAL ROOM	
E84	TRANSITE PANEL MECHANICAL ROOM ^{EAST}	B	EAST MECHANICAL ROOM	
E85	DRYWALL MUD	B	# WEST MECHANICAL ROOM	
E86	DRYWALL MUD	B	ROOM B02	
E87	PLASTER	B		
E88	WHITE CAULK	B		
E89	GRAY CAULK	B		
E90	BLACK CAULK	B	DOOR TO B36	

042323731

ASBESTOS BULK SAMPLE FORM



11117 Mockingbird Drive
Omaha, NE 68137

RECEIVED
END
CIRRAVINSON, NJ

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

Project Information

Client:	Project Description: 2023 OCT -2 P 3.55 WOODWARD	Project Manager: SH Inspector: EB
Date: 9/29/2023	Site Location: ELM CREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E91	DUCT WRAP	B		
E92	VIBRATION DAMPER	B		
E93	TSI RUN MED	B	E WING E END OF HALL	
E94	TSI ELBOW MED	B	E WING E END OF HALL	
E95	TSI ELBOW SEALANT	B	E MECHANICAL ROOM	
E96	TSI ELBOW SEALANT	B	E MECHANICAL ROOM	
E97	TSI ELBOW SEALANT	B	E MECHANICAL ROOM	
E98	TSI ELBOW Lg	B	E HALL	
E99	TSI RUN Lg	B	E HALL CHILLED H ₂ O RETURN	
E100	TSI ELBOW Lg	B	E HALL	
E101	TSI RUN Lg	B	E HALL	
E102	TSI ELBOW small	B	ROOM B29	
E103	TSI RUN Sm	B	ROOM B29	

042323731

ASBESTOS BULK SAMPLE FORM



11117 Mockingbird Drive
Omaha, NE 68137
RECEIVED
EMSI
CINQUEMINSON, NJ

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

Project Information

Client:	Project Description: 2023 OCT -2 P B-55 WOODWARD	Project Manager: SK Inspector: EB
Date: 9/29/2023	Site Location: ELMCREST	ATLAS PROJECT NUMBER: 204BS06333

Sample #	Material Description	Floor	Sample Location	Quantity
E104	TSI ELBOW MED	B	ROOM B29	
E105	TSI RUN MED	B	ROOM B29	
E106	TSI ELBOW LG	B	CENTER HALL	
E107	TSI RUN LG	B	CENTER HALL	
E108	TSI ELBOW MED	B	N WING N. ROOM	
E109	TSI RUN MED	B	N WING N ROOM	
E110	TSI ELBOW SM	B	N WING N ROOM	
E111	TSI RUN SM	B	N WING N ROOM	
E112	TSI ELBOW SM	B	W WING	
E113	TSI RUN SM	B	W WING	
E114	4" BROWN COVE BASE	B	W WING	

APPENDIX B
LEAD PAINT TEST RESULTS



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: 022306810
CustomerID: ATC55
CustomerPO:
ProjectID:

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

Phone: (402) 697-9747
Fax: (402) 597-8532
Received: 10/3/2023 08:45 AM
Collected: 9/28/2023

Project: **204B506333**

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

Client SampleDescription	Collected	Analyzed	Weight	RDL	Lead Concentration
PC E1 022306810-0001	9/27/2023	10/5/2023	.3903 g	0.080 % wt	0.48 % wt
PC E2 022306810-0002	9/27/2023	10/5/2023	.3707 g	0.0080 % wt	0.15 % wt
PC E3 022306810-0003	9/27/2023	10/5/2023	.2724 g	0.0080 % wt	0.027 % wt
PC E4 022306810-0004	9/27/2023	10/5/2023	.3564 g	0.80 % wt	18 % wt
PC E5 022306810-0005	9/27/2023	10/5/2023	.3577 g	0.0080 % wt	<0.0080 % wt
PC E6 022306810-0006	9/27/2023	10/5/2023	.2505 g	0.0080 % wt	<0.0080 % wt
PC E7 022306810-0007	9/27/2023	10/5/2023	.3437 g	0.0080 % wt	0.0085 % wt
PC E8 022306810-0008	9/27/2023	10/5/2023	.3064 g	0.0080 % wt	0.012 % wt
PC E9 022306810-0009	9/27/2023	10/5/2023	.2904 g	0.0080 % wt	<0.0080 % wt
PC E10 022306810-0010	9/27/2023	10/5/2023	.3572 g	0.0080 % wt	<0.0080 % wt
PC E11 022306810-0011	9/27/2023	10/5/2023	.3751 g	0.0080 % wt	<0.0080 % wt

James Cole, 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.
* 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 10/06/2023 07:59:29



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: 022306810
CustomerID: ATC55
CustomerPO:
ProjectID:

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

Phone: (402) 697-9747
Fax: (402) 597-8532
Received: 10/3/2023 08:45 AM
Collected: 9/28/2023

Project: **204B506333**

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

Client SampleDescription	Collected	Analyzed	Weight	RDL	Lead Concentration
PC E12 022306810-0012	9/27/2023	10/5/2023	.3442 g	0.0080 % wt	<0.0080 % wt
PC E13 022306810-0013	9/27/2023	10/5/2023	.2987 g	0.0080 % wt	<0.0080 % wt
PC E14 022306810-0014	9/27/2023	10/5/2023	.3023 g	0.0080 % wt	<0.0080 % wt
PC E15 022306810-0015	9/27/2023	10/5/2023	.2881 g	0.0080 % wt	<0.0080 % wt
PC E16 022306810-0016	9/27/2023	10/5/2023	.2842 g	0.0080 % wt	<0.0080 % wt
PC E17 022306810-0017	9/27/2023	10/5/2023	.3135 g	0.0080 % wt	<0.0080 % wt
PC E18 022306810-0018	9/27/2023	10/5/2023	.2626 g	0.0080 % wt	<0.0080 % wt
PC E19 022306810-0019	9/27/2023	10/5/2023	.3123 g	0.0080 % wt	<0.0080 % wt
PC E20 022306810-0020	9/27/2023	10/5/2023	.3098 g	0.0080 % wt	<0.0080 % wt
PC E21 022306810-0021	9/27/2023	10/5/2023	.282 g	0.0080 % wt	<0.0080 % wt
PC E22 022306810-0022	9/27/2023	10/5/2023	.2506 g	0.0080 % wt	<0.0080 % wt

James Cole, Laboratory Manager
or other approved signatory

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

Initial report from 10/06/2023 07:59:29



EMSL Analytical, Inc.

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<http://www.EMSL.com> kernersvillelab@emsl.com

EMSL Order: 022306810
 CustomerID: ATC55
 CustomerPO:
 ProjectID:

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

Phone: (402) 697-9747
 Fax: (402) 597-8532
 Received: 10/3/2023 08:45 AM
 Collected: 9/28/2023

Project: **204B506333**

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

Client SampleDescription	Collected	Analyzed	Weight	RDL	Lead Concentration
PC E23 022306810-0023	9/27/2023	10/5/2023	.3334 g	0.0080 % wt	<0.0080 % wt
PC E24 022306810-0024	9/27/2023	10/5/2023	.2637 g	0.0080 % wt	<0.0080 % wt
PC E25 022306810-0025	9/27/2023	10/5/2023	.2697 g	0.0080 % wt	<0.0080 % wt
PC E26 022306810-0026	9/27/2023	10/5/2023	.3044 g	0.0080 % wt	<0.0080 % wt
PC E27 022306810-0027	9/27/2023	10/5/2023	.25 g	0.0080 % wt	<0.0080 % wt
PC E28 022306810-0028	9/27/2023	10/5/2023	.3291 g	0.0080 % wt	0.059 % wt
PC E29 022306810-0029	9/27/2023	10/5/2023	.281 g	0.0080 % wt	<0.0080 % wt
PC E30 022306810-0030	9/28/2023	10/5/2023	.2655 g	0.0080 % wt	0.11 % wt
PC E31 022306810-0031	9/28/2023	10/5/2023	.3512 g	0.080 % wt	1.7 % wt
PC E32 022306810-0032	9/28/2023	10/5/2023	.3372 g	0.0080 % wt	0.22 % wt
PC E33 022306810-0033	9/28/2023	10/5/2023	.2758 g	0.0080 % wt	<0.0080 % wt

James Cole

James Cole, Laboratory Manager
 or other approved signatory

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

Initial report from 10/06/2023 07:59:29

**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: 022306810
 CustomerID: ATC55
 CustomerPO:
 ProjectID:

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

Phone: (402) 697-9747
 Fax: (402) 597-8532
 Received: 10/3/2023 08:45 AM
 Collected: 9/28/2023

Project: **204B506333**

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

<i>Client SampleDescription</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>RDL</i>	<i>Lead Concentration</i>
PC E34 022306810-0034	9/28/2023	10/5/2023	.2847 g	0.080 % wt	0.79 % wt
PC E35 022306810-0035	9/28/2023	10/5/2023	.2606 g	0.0080 % wt	0.36 % wt
PC E36 022306810-0036	9/28/2023	10/5/2023	.4135 g	8.0 % wt	16 % wt
PC E37 022306810-0037	9/28/2023	10/5/2023	.2862 g	0.80 % wt	28 % wt
PC E38 022306810-0038	9/28/2023	10/5/2023	.3343 g	0.0080 % wt	<0.0080 % wt

James Cole, Laboratory Manager
 or other approved signatory

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

Initial report from 10/06/2023 07:59:29



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Lead Chain of Custody
EMSL Order Number / Lab Use Only

022306810

EMSL Analytical, Inc.
200 Route 130 North

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

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

Project Information	
Project Name/No: 2048506333	Purchase Order: _____
EMSL LIMS Project ID: _____ <small>(If applicable, EMSL will provide)</small>	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: 38	

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	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
	SEE ATTACHED SHEETS		

Method of Shipment: _____	Sample Condition Upon Receipt: _____
Relinquished by: <i>Eric Brown</i>	Date/Time: <i>9/29/2023 16:00</i>
Relinquished by: _____	Date/Time: _____
Received by: <i>Quinn EFX</i>	Date/Time: <i>10-02-23 11am</i>
Received by: <i>JS</i>	Date/Time: <i>10-3-23 8:45</i>

Controlled Document - COC-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 1375 7950

35



EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

~~Asbestos~~ **LEAD 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: CinnAsblab@EMSL.com

6810

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

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

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
PC E1	WHITE	BASEMENT HALLWAY (W)	9/27/2013
PC E2	DULL GREEN	CENTER BASEMENT STAIRWAY LANDING	↓
PC E3	DULL PALE YELLOWISH WHITE	BASEMENT HALLWAY (E)	
PC E4	YELLOW	STAIRS ON BASEMENT FLOOR	
PC E5	LIGHT GRAY	1 ST FL W. ROOM RM105	
PC E6	DK GRAY	1 ST FL W. ROOM RM105	
PC E7	WHITE OVER YELLOW	1 ST FL HALLWAY PILLARS	
PC E8	LIGHT GRAY OVER YELLOW	1 ST FL HALLWAY	
PC E9	DULL YELLOW	1 ST FL JANITOR CLOSET RM104	
PC E10	BROWN	1 ST FL ROOM 113	
PC E11	ORANGE-BROWN	1 ST FL ROOM 110	
PC E12	GREEN	1 ST FL N. CENTER ROOM	
PC E13	DK GREEN	1 ST FL S. CENTER ROOM	
PC E14	DK BLUE/GREEN	1 ST FL CENTER ROOM	
PC E15	BROWN/BEIGE	1 ST FL CENTER	
PC E16	DK SALMON	1 ST FL CENTER	
PC E17	DK GREEN	1 ST FL CENTER	
PC E18	DK BLUE OVER SALMON OVER GREEN	1 ST FLOOR FIREPLACE	
PC E19	SKY BLUE	1 ST FL CENTER	
PC E20	BLUE	1 ST FL ROOM 121	
PC E21	TURQUOIS	1 ST FL CENTER	
PC E22	BLACK	1 ST FL CENTER	
PC E23	LAVENDER	1 ST FL CENTER	
PC E24	BLUE	1 ST FL 134 ROOM	
PC E25	OLIVE GREEN	1 ST FL CENTER	

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

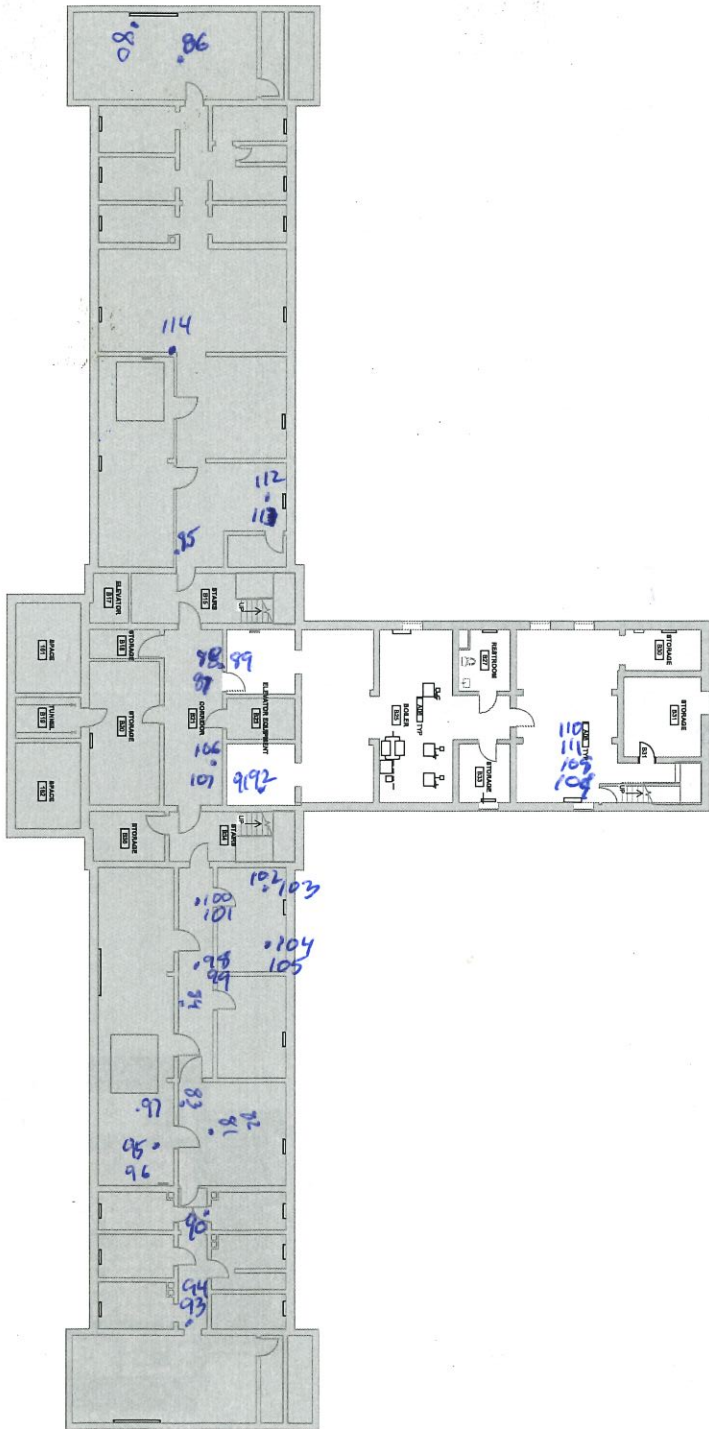
Controlled Document - COC-05 Asbestos R16 10/26/2021

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

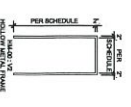
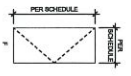
APPENDIX C
ASBESTOS SAMPLE LOCATIONS

Asbestos Sample Locations



DOOR AND FRAME SCHEDULE

DOOR FRAME SCHEDULE	DOOR	MATERIAL	TYPE	FINISH	GLASS	GLASS	GLASS
1	6'-0\"/>						



- 1 DOOR PANEL ELEVATION
- 2 DOOR FRAME ELEVATION

FLOOR PLAN NOTES

- REFER TO DRAWINGS OF ALL INTERIOR FINISHES, WALLS, AND CEILING.

FLOOR PLAN SYMBOLS & LEGEND

- DOOR MARK
- DOOR SCHEDULE
- WALL FINISH DESIGNATION
- FLOOR FINISH DESIGNATION

KEYNOTES

- 1. ALL FINISHES TO BE IN ACCORDANCE WITH THE SCHEDULES AND SPECIFICATIONS.
- 2. ALL FINISHES TO BE IN ACCORDANCE WITH THE SCHEDULES AND SPECIFICATIONS.

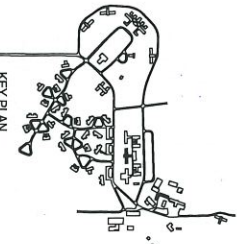
CODE REVIEW NOTES

1. See 105.1 - Submittals.

2. The contractor shall submit a list of all materials and finishes to be used in the project for review and approval by the architect. The list shall include the manufacturer, product name, and finish.

3. The contractor shall submit a list of all materials and finishes to be used in the project for review and approval by the architect. The list shall include the manufacturer, product name, and finish.

4. The contractor shall submit a list of all materials and finishes to be used in the project for review and approval by the architect. The list shall include the manufacturer, product name, and finish.



BASEMENT FLOOR PLAN

10-A-100

DRAWN BY	LS, TAL, RWB
APPROVED BY	CLM
ISSUED FOR	FOR CONSTRUCTION DOCUMENTS
ISSUE DATE	2023-08-31
PROJECT NUMBER	21422003H
FIELD BOOK	Field Book

PRELIMINARY - NOT FOR CONSTRUCTION

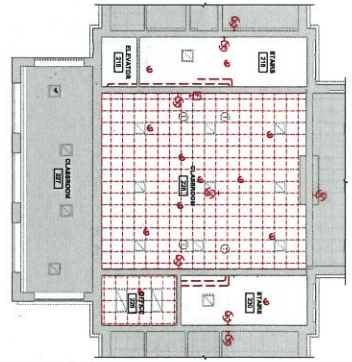
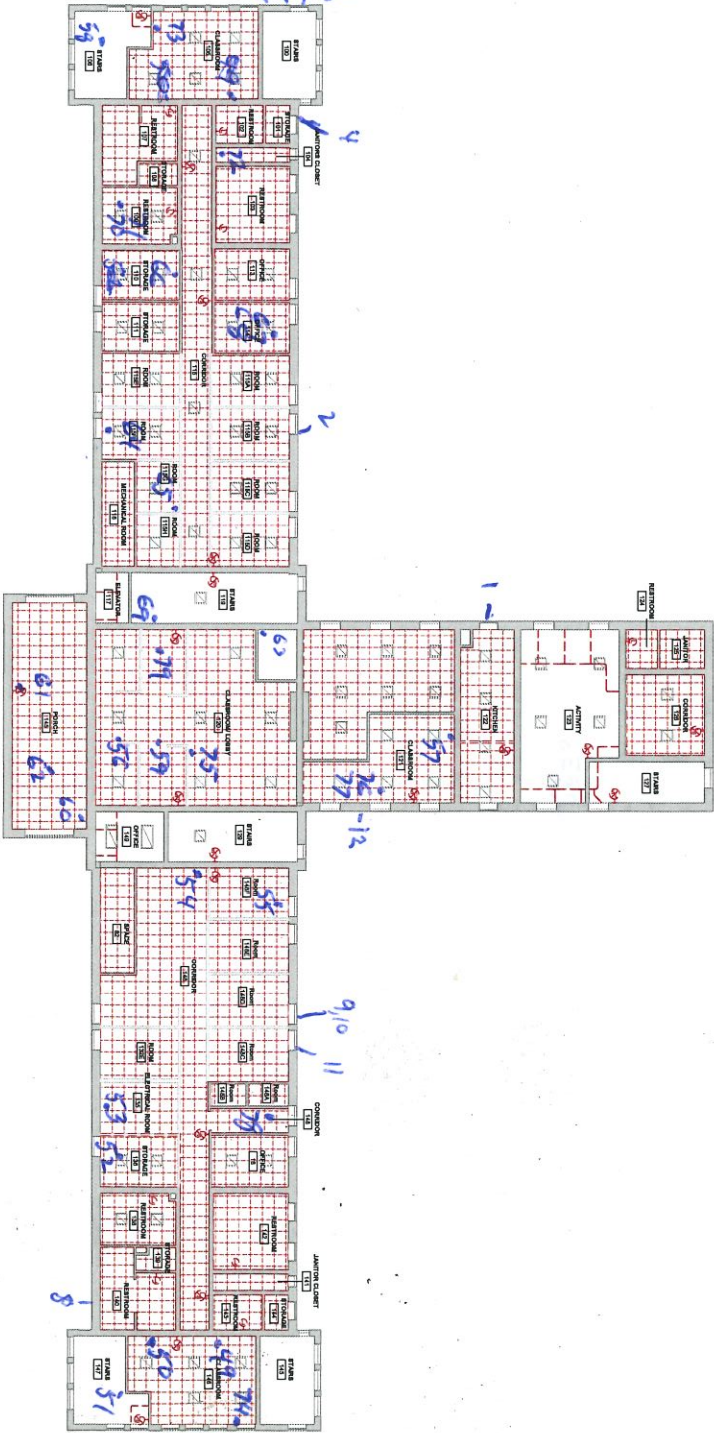
(#9279.30) WRC Decentralization Phase 3

IN D&S
251 354TH STREET, WOODWARD, IA 50276

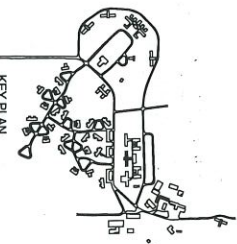
SHIVE-HATTERY
ARCHITECTURE + ENGINEERING

4128 WESTOWN PROXY, SUITE 100
WEST DES MOINES, IA 50319
515.282.8104 | SHIVE-HATTERY.COM

Asbestos Sample Locations



2 SECOND FLOOR DEMO RCP



DEMOLITION PLAN SYMBOLS LEGEND

	EXISTING WALL PARTITIONS
	EXISTING DOOR
	DEMOLISH CEILING AND REPAIR
	DEMOLISH CEILING AND REMOVE
	DEMOLISH CEILING AND REPAIR FOR NEW CEILING
	NO CEILING REPLACE
	NOTES

- ARCHITECTURAL DEMOLITION NOTES**
1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION. VERIFY ALL DEMOLITION AND DEMOLITION WORK IS IN ACCORDANCE WITH THE DEMOLITION PLAN. VERIFY ALL DEMOLITION WORK IS IN ACCORDANCE WITH THE DEMOLITION PLAN.
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 16. VERIFY ALL DEMOLITION WORK IS IN ACCORDANCE WITH THE DEMOLITION PLAN.

10-AD11
FIRST AND SECOND FLOOR DEMO RCPs

DRAWN BY: LB, TAL, RMB
 APPROVED FOR: CLP
 ISSUED FOR: 60% CONSTRUCTION DOCUMENTS
 ISSUE DATE: 2023-09-11
 PROJECT NUMBER: 2142202304
 FIELD BOOK

PRELIMINARY - NOT FOR CONSTRUCTION

#9279.30) WRC Decentralization Phase 3
 IN DASH
 2351 34TH STREET, WOODWARD, IA 50276

SHIVEHATTERY
 ARCHITECTURAL ENGINEERS
 4128 WESTOWN PKWY, SUITE 100
 WOODWARD, IA 50276
 515.282.8514 | SHIVEHATTERY.COM

APPENDIX D
STAFF CERTIFICATIONS

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

Asbestos

APPENDIX E
PHOTOGRAPHS



View of the Elmcrest Building.

1



View of the Asbestos Containing Window Glazing. (E 1, 3% Chrysotile)

2

<p>Photograph Log Elmcrest Building 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 the Asbestos Containing Gray Caulk. (E 4, 4% Chrysotile)

3



View of the Asbestos Containing Red Window Glazing. (E 8, 2% Chrysotile)

4

<p>Photograph Log Elmcrest Building 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 the Asbestos Containing Window Glazing. (E 9, 4% Chrysotile)

5



View of the Asbestos Containing Black Mastic and Gray Backing.
(E 28, 3% & 25% Chrysotile)

6

<p>Photograph Log Elmcrest Building 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 the Asbestos Containing Black/Yellow Mastic. (E 31, <1% Chrysotile)

7



View of the Asbestos Containing Yellow/Black Mastic. (E 33, <1% Chrysotile)

8

<p>Photograph Log Elmcrest Building 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 the Asbestos Containing Gray Backing (Under Lt Brown Flooring).
(E 41, 20% Chrysotile)

9



View of the Asbestos Containing Gray Backing. (Under Blue Flooring)
(E 54, 15% Chrysotile)

10

<p>Photograph Log Elmcrest Building 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 the Asbestos Containing Yellow/Brown Mastic & Gray Backing.
(Under Lt Brown Flooring) (E 58, 1% & 25% Chrysotile)

11



View of the Asbestos Containing Black Mastic. (E 72, 4% Chrysotile)

12

Photograph Log
Elmcrest Building
1251 334th Street
Woodward, Iowa

Atlas Technical Consultants, LLC
4503 East 50th Street, Suite 800,
Des Moines, IA 50317
(515) 981-4528
Project No. 204BS06333



View of the Asbestos Containing Brown Pucks. (E 77, 4% Chrysotile)

13



View of the Asbestos Containing Transite Panes. (E 84, 20% Chrysotile)

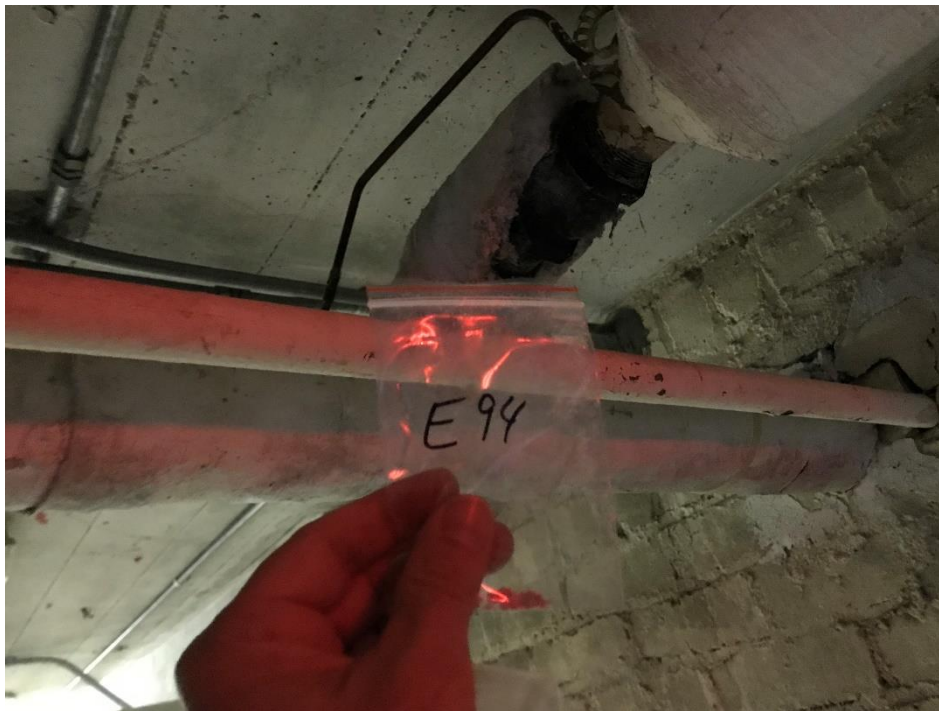
14

<p>Photograph Log Elmcrest Building 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 the Asbestos Containing TSI Run. (E 93, 15% Amosite & 20% Crocidolite)

15



View of the Asbestos Containing TSI Elbow. (E 94, 20% Chrysotile)

16

<p>Photograph Log Elmcrest Building 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 the Asbestos Containing Caulk. (E 96, 3% Chrysotile)

17



View of the Asbestos Containing TSI Elbow. (E 102, 15% Amosite & 20% Chrysotile)

18

<p>Photograph Log Elmcrest Building 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 the Asbestos Containing TSI Run. (E 103, 10% Amosite & 10% Chrysotile)



View of the Asbestos Containing TSI Elbow. (E 104, 85% Chrysotile)

<p>Photograph Log Elmcrest Building 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 the Asbestos Containing TSI Run. (E 105, 35% Amosite & 15% Crocidolite)



View of the Asbestos Containing TSI Elbow & Texture. (E 108, 55% & 2% Chrysotile)

<p>Photograph Log Elmcrest Building 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 the Asbestos Containing TSI Run. (E 109, 30% Amosite & 15% Crocidolite)



View of the Asbestos Containing TSI Elbow & Texture. (E 110, 60% & ,1% Chrysotile)

<p>Photograph Log Elmcrest Building 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 the Asbestos Containing TSI Run. (E111, 5% Amosite & 35% Crocidolite)



View of the Asbestos Containing TSI Run. (E 113, 15% Amosite 30% Crocidolite)

<p>Photograph Log Elmcrest Building 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 the Elmcrest Building.

1



View of the White Lead Containing Paint. (PC E 1, 0.48% Pb)

2

<p>Photograph Log Elmcrest Building 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 the Dull Green Lead Containing Paint. (PC E 2, 0.15% Pb)

3



View of the Dull Pale Yellowish White Lead Containing Paint. (PC E 3, 0.027% Pb)

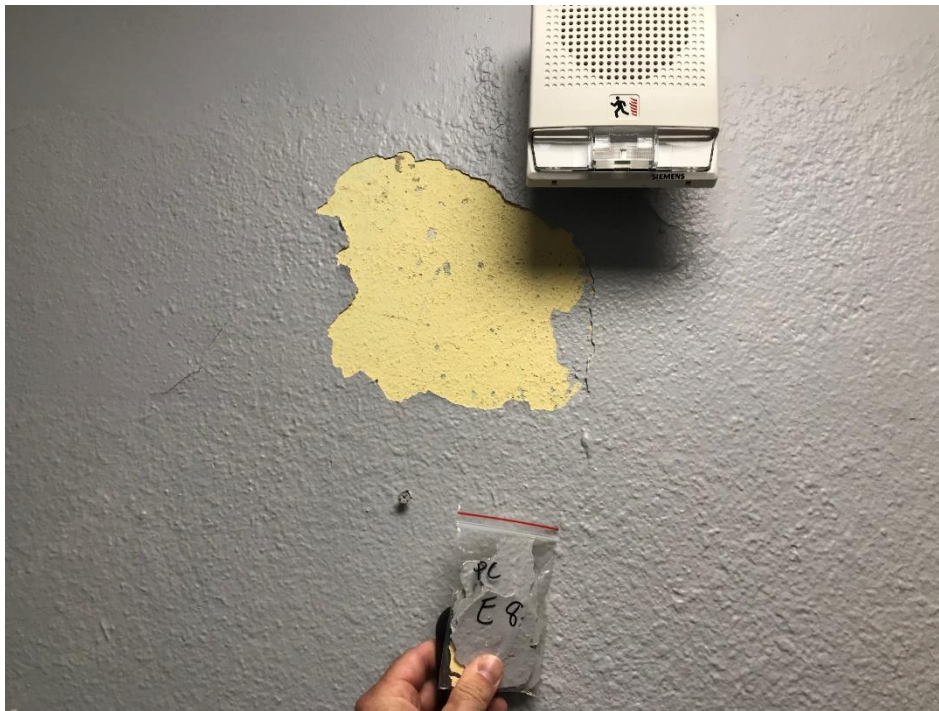
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<p>Photograph Log Elmcrest Building 1251 334th Street Woodward, Iowa</p>	<p>Atlas Technical Consultants, LLC 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06333</p>
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View of the Yellow Lead Based Paint. (PC E 4, 18% Pb)

5



View of the Light Gray Lead Containing Paint. (PC E 8, 0.012% Pb)

6

<p>Photograph Log Elmcrest Building 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 the Lavender Lead Containing Paint. (PC E 28, 0.059% Pb)

7



View of the Brown Lead Containing Paint. (PC E 30, 0.11% Pb)

8

<p>Photograph Log Elmcrest Building 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 the White Lead Based Paint. (PC E 31, 1.7% Pb)

9



View of the Silver Lead Containing Paint. (PC E 32, 0.22% Pb)

10



View of the Red Lead Based Paint. (PC E 34, 0.79% Pb)

11



View of the Light Green Lead Containing Paint. (PC E 35, 0.36% Pb)

12

<p>Photograph Log Elmcrest Building 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 the Light Green Lead Based Paint. (PC E 36, 16% Pb)

13



View of the White Lead Based Paint. (PC E 37, 28% Pb)

14

<p>Photograph Log Elmcrest Building 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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