Hazardous Building Materials Survey Report

Fairfield Woods Middle School

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0235318.00
BL Companies
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TABLE OF CONTENTS

FIGURES

APPENDICES

EXECUTIVE SUMMARY

This report presents the results of a survey for hazardous building materials conducted at the Fairfield Woods Middle School located at 1115 Fairfield Woods Road in Fairfield, Connecticut. The survey was conducted to evaluate existing building materials which may be subject to disturbance during the planned renovation project. Woodard & Curran performed the initial survey on December 16, 2023, with additional survey activities conducted between December 27, 2023 and January 23, 2024 to evaluate the type, location and quantity of asbestos-containing building materials (ACBM), lead-based paint (LBP), and suspect polychlorinated biphenyl (PCB) containing building materials that may be present within or on the building components scheduled for renovations.

These results of the survey are summarized below:

- Representative suspect asbestos-containing materials likely to be disturbed by proposed building renovations were visually inspected and sampled throughout the building and on the roof. Suspect materials identified included ceiling tiles, vinyl floor tile and associated glue, door frame caulking, wallboard and joint compound, ventilation ductwork sealants, window and door caulking, rolled roofing and associated materials, roof flashings, asphalt shingles, pitch box cement, caulking on roofing components (exhaust fans, skylights, etc.), counterflashing caulking and seam sealer. Analytical results reported no asbestos containing building materials within the scope of the survey.
- The results of the lead paint survey identified lead above instrument detection limits on the majority of surfaces included in the survey. However, none of the identified lead was reported at concentrations > 1.0 mg/cm^2.
- Suspect PCB-containing building materials including caulking, sealants, and paints were observed at various interior and exterior locations throughout the building. These materials included paint on CMU block walls throughout the building, paint on structural steel components throughout the building, caulking at the main entry vestibule windows and doors, caulking at interior hallway windows, and caulking at interior partition doors including the doors to the cafeteria and the custodian office. The design team has elected to manage suspect materials disturbed during the renovation as an assumed PCB Bulk Product Waste in accordance with 40 CFR 761.62 and therefore, representative samples were not submitted for laboratory analysis. Based on the reported dates of construction for the roof (2004, 2012, and 2016) and the main entry vestibule (1995/1996), these materials were not considered to be suspect for PCBs.

The survey activities were limited to those areas identified as being included in the planned renovations as presented on the 95% Construction Documents by BL Companies dated September 29, 2023 (the 95% Construction Documents). Certain inaccessible areas were not evaluated during the survey activities. These areas include but are not necessarily limited to potential materials beneath portions of the foundation slab, the interior of CMU block walls (potential vermiculite insulation), and the potential presence of mineral core/asbestos cores in doors throughout the building.

1. INTRODUCTION

Woodard & Curran conducted the initial survey to evaluate the type, location and approximate quantity of ACBM, LBP, and suspect PCB-containing building materials that may be disturbed during the upcoming renovation at the Fairfield Woods Middle School (FWMS) located at 1115 Fairfield Woods Road in Fairfield, Connecticut.

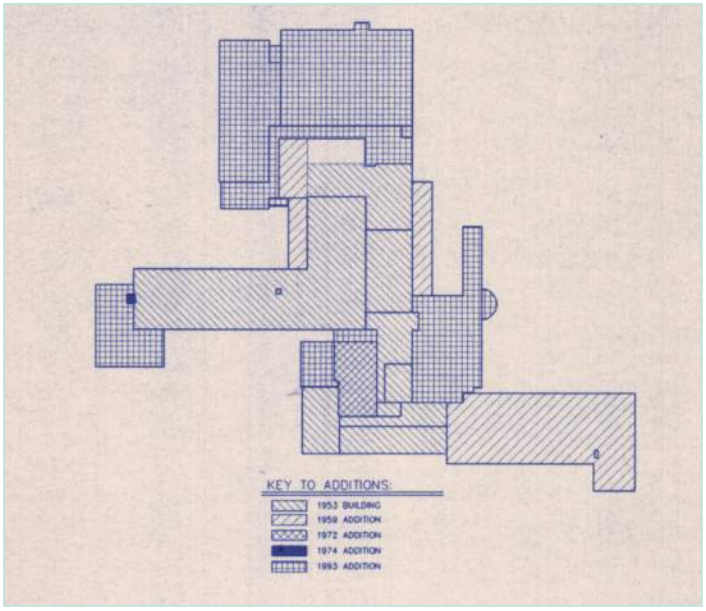
A Site Locus Map is provided as Figure 1-1 below.

Figure 1-1: Site Locus Map

Based on the 95% Construction Documents by BL Companies dated September 29, 2023, it is our understanding that the renovations are anticipated to include the removal and replacement of HVAC equipment on some portions of the roof, demolition of portions of the roof for the installation of new structural framing, removal of existing ventilation ductwork in various portions of the building, removal and replacement of ceilings throughout the majority of the building, renovations to the main entry vestibule, and limited demolition of interior walls and floors for the construction of new ductwork chases.

FWMS was originally constructed in 1953/54 with significant additions to the building in 1959, 1972, 1974, 1993, and 2012. A sketch of the building with construction dates is provided in Figure 1-2 below (note; portions of the school constructed in 2012 are not shown).

Figure 1-2: Construction Dates



Based on information provided by BL Companies, ventilation ductwork in the 1953/54, 1959, 1972, and 1974 portions of the building are assumed to be original to those dates of construction. Based on information provided by the design team, the roofs across the entire building were installed as part of three replacement projects conducted in 2004, 2012, and 2016.

Woodard & Curran conducted the hazardous building materials survey in support of the proposed project to renovate the elementary school. Various federal and state regulations require the Owner or Operator of facilities which are scheduled to be renovated to identify existing hazardous materials prior to renovation. These regulations are intended to ensure that existing hazardous materials are properly removed, handled, packaged and disposed of prior to, or as part of the renovation process.

Based on the original construction date (1953/54), products containing certain hazardous materials such as ACBM, LBP, PCBs, or other hazardous materials may have been used as part of the standard construction practices, or during repair or renovation activities overtime.

Woodard & Curran conducted the hazardous building material survey described in this report in support of the proposed renovation project. For the survey, Woodard & Curran subcontracted the field activities related to suspect ACBM and LBP to EnviroMed Services of Meriden, Connecticut (EnviroMed).

This report includes a description of the hazardous materials survey findings, sample results, limitations, and regulatory considerations of these findings.

2. BUILDING SURVEY

2.1 Survey Scope

The objective of the hazardous building materials survey was to visually inspect and document the different types of suspect hazardous building materials subject to potential disturbance during renovation of the FWMS. Woodard & Curran performed the initial survey on December 16, 2023 with additional survey activities conducted between December 26, 2023 and January 23, 2024.

Based on the planned scope of the renovations, the majority of the survey activities were focused on accessible materials in the common areas of the school, in overhead areas, and on the roof. The survey activities included documentation of suspect hazardous building materials observed and the collection of representative samples of the materials. Based on the continued operation and use of the building, intrusive/destructive techniques were limited to roof test cuts and limited inspections behind interior finish materials.

2.2 Building Features

A summary of the building construction features relevant to the hazardous materials survey is presented below.

The building appears to be primarily constructed of unpainted brick and masonry with structural steel components. Interior finishes include suspended acoustical ceiling tiles, gypsum board wall finishes, CMU wall finishes, ceramic tile wall and floor finishes in bathrooms, and vinyl floor finishes. Specialty spaces within the school include multiple gymnasiums, auditorium, cafeteria, library/media center, the kitchen, the boiler room, and the main office area. The remainder of the interior spaces include classrooms as well as bathrooms and various storage spaces / closets.

3. ASBESTOS-CONTAINING MATERIALS

The asbestos inspection was performed using guidelines established by the EPA Guidance for Controlling Asbestos-Containing Materials in Buildings (EPA 5605-85/024), EPA AHERA: 40 CFR 763, and OSHA: 1926.1101. EnviroMed conducted visual inspections of accessible areas to identify homogeneous areas of suspect ACBM in building areas scheduled for renovation activities. Suspect materials were assessed as potential ACBM, where they were observed. Locations and types of suspect ACBM were noted. Limited invasive investigations were conducted behind or beneath existing finishes in areas where such activities would be anticipated as part of the renovation project including roof test cuts to the asphalt decking. Summary reports of the asbestos survey methods by areas of the building and results along with the locations of the samples collected is presented in Appendix A.

Materials are grouped into homogeneous areas for the purpose of sampling to evaluate asbestos content. Homogeneous areas are those that contain suspect ACBM that is uniform in application, texture, and color, and which visually appear identical in every other respect. Materials installed at different times are treated as different homogeneous sampling areas (if this information is known). Bulk samples of observed suspect ACBM were collected from randomly chosen representative locations in a manner to minimize damage to building finishes.

John Bosticco (license #557) and/or James Sserunjogi (license #1026) of EnviroMed Services conducted the survey and collected samples during the survey on December 16 and 27, 2023. Additional survey activities for interior components were conducted between December 27 and 28, 2023 by Gino Fiore (license # 11332).

3.1 Analytical Methods

Samples collected as part of the inspection were transported to EnviroMed's laboratory in Meriden, Connecticut for analysis (CT DPH approved environmental laboratory, PH-0571). Samples were analyzed via Polarized Light Microscopy (PLM) methods in accordance with the United States Environmental Protection Agency (EPA) Methods 600/R-93/116 and 600/M4-82-020. The analytical results are presented with the survey reports in Appendix A.

3.2 Inspection Summary

Representative suspect ACBM was inspected and sampled in accessible portions of the school and in selected inaccessible areas through targeted intrusive/destructive methods. Materials observed and considered suspect for asbestos included ceiling tiles, vinyl floor tile and associated glue, door frame caulking, wallboard and joint compound, roll roofing and associated materials, roof flashings, asphalt shingles, pitch box cement, caulking on roofing components (exhaust fans, skylights, etc.), counterflashing caulking and seam sealer.

The primary focus of the inspections was on roofing materials, ceiling types, wall types, and materials above ceilings that would be disturbed by planned HVAC renovations. The second focus of the inspection was on materials in the main entrance area where renovation is also planned.

A total of 358 samples were collected and submitted for asbestos analysis. EPA, OSHA and State of Connecticut regulations define an ACBM as any building material containing greater than 1% asbestos by

an appropriate analytical method. A summary of each of the samples collected is provided Appendix A by sample ID number. Asbestos was not detected in materials included in the survey.

The survey focused on those areas designated to be disturbed based on the 95% Construction Documents throughout the interior portions of the school and the roof. Suspect materials from each of these areas were observed and representative samples collected. Analytical results from the laboratory testing indicated no ACBMs were detected in the representative samples of observed suspect materials within the survey area.

4. LEAD-BASED PAINT

EnviroMed, as a sub-consultant to Woodard & Curran, conducted an inspection for lead-based paints and coatings at the site. The inspection included those paints that appeared to be most prevalent within construction areas scheduled to be disturbed during upcoming renovations as indicated on the 95% Construction Documents with a particular focus on structural steel and interior walls in the school. The lead paint inspection was conducted using an x-ray fluorescence (XRF) analyzer (Viken direct read pb200i)). The XRF analyzer uses a radioactive source to excite the electrons of lead atoms (if present) in the sampled paints. When the radiation is halted, the lead atom electrons return to their normal state of activity by releasing x-rays of a characteristic frequency. This x-ray activity is detected and measured by the XRF analyzer. The results are converted to milligrams lead per square centimeter of sampled surface area (mg/cm^2).

The XRF testing identified lead above instrument detection limits on the majority of surfaces included in the survey. However, all of the surfaces included in the survey were reported with lead levels below 1.0 mg/cm^2.

A summary table of the results of the lead survey is included in Appendix B.

5. POLYCHLORINATED BIPHENYLS

Woodard & Curran's survey included the documentation of suspect PCB-containing building materials from accessible caulking, sealants, and paints observed in portions of the school to be included in the renovations. Based on the dates of construction, the survey focused on those portions of the FWMS constructed between the original construction (1953/54) and the 1974 renovation area. Materials present in the 1993 and 2012 renovation areas were not assessed for PCBs based on the construction dates being after the federal ban on the use of PCBs in these types of applications. Materials observed in the 1993 and 2012 portion of the buildings included caulking sealants associated with the main entry vestibule, paint on CMU walls, and ventilation ductwork sealants. As indicated, these materials are not considered suspect for PCBs based on the date of construction and are not presented in this section (some of the materials are included in the asbestos section of the report).

Based on the limited scope of work associated with the above materials, the design team has decided to manage those portions of the above materials disturbed by the planned renovations as an assumed PCB Bulk Product Waste in accordance with 40 CFR 761.62 (i.e., assumed to contain PCBs ≥ 50 ppm for removal and disposal purposes). During the survey, representative samples of the above materials were collected; however, they have not been submitted for laboratory analysis and are currently being held in our dedicated sample freezer. These samples may be held for a period of up to one year to allow for future analysis if the project team reevaluates the decision to assume that PCBs are present in the materials.

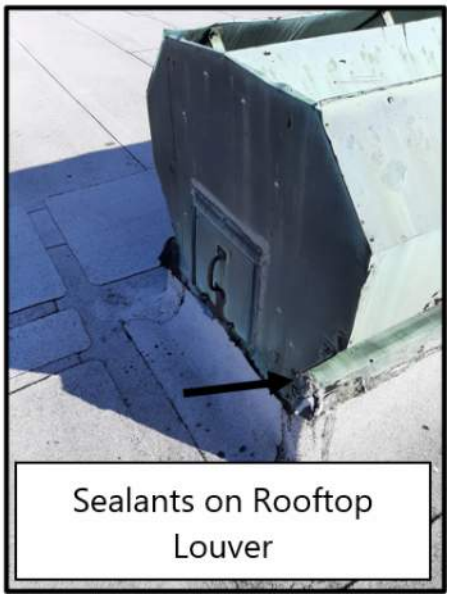
A summary of the suspect PCB-containing building materials observed and site plans depicting their general locations are provided in Appendix C. A summary of suspect PCB-containing building materials observed during the survey in areas of the building constructed between 1953 and 1974 is provided below by materials type.

5.1 HVAC and Ductwork Sealants

Ventilation ductwork sealants were observed on limited portions of ductwork in these areas of the building. Within the 1953 portions of the building, duct seam sealants were observed on metal to metal joints associated with ductwork designated for removal in the basement and above the first floor hallways. These sealants were either tan or gray in color. In the 1959 construction areas, a gray ventilation ductwork sealant was observed on ductwork designated for removal in several rooms. In addition, ductwork in the overhead of the weight room is designated for removal; however, the material was painted and not accessible due to the height of the ceiling in that space (it is not known if sealants are present).

On the roof, ventilation ductwork sealants and caulking sealants associated with ventilation louvers and HVAC units were observed in the 1959 portion of the building (designated as Area C on the 95% Construction Drawings – see photographs below). Information provided by the design team indicated that roofing was replaced in the 2000's; however, no information regarding the date of installation for the HVAC or louvers has been provided. If these items were also installed after 1980, they would not be considered suspect for PCBs. Sealants were not observed on roof top vents or penetration points at other areas of the roof, including the northern 1953 section of the building.

Duct Seam Sealants – 1959 Area



Sealants on Rooftop Louver

5.2 Masonry Paints

Based on the 95% Construction Drawings, limited disturbance of CMU block walls will be made during the renovation, primarily to support the installation of new ductwork. CMU block walls throughout the school were painted white or off-white. Multiple layers of paint (some of differing colors) were observed in some areas. At the majority of locations observed, paint had been present on the walls up to the drop ceiling with bare CMU above (the upper 8 to 10 inches of wall); however, this condition was not consistent, and paint was observed above the level of the drop ceiling in several areas.

5.3 Structural Steel

Structural steel cross beams were coated with red/orange paint or primer. Metal decking was observed to be unpainted corrugated panels. Based on the 95% Construction Drawings, these materials may be disturbed to create roof openings in support of structural renovations associated with new HVAC unit installations within both the 1953/54 and the 1959 portions of the building. The paint on the structural steel is considered to be a suspect PCB-containing building material.

6. REGULATORY CONSIDERATIONS

6.1 Asbestos

ACBMs were not identified during this survey. Asbestos is regulated by state and federal authorities having jurisdiction including but not limited to OSHA, EPA, and CT DPH. If additional suspect materials are identified and determined to be ACBMs, the following potential next steps are proposed for consideration:

- A CT DPH licensed Asbestos Abatement Project Designer must prepare technical specifications for removal of any ACBM that may be disturbed by any renovation activities at the site as required by EPA 40 CFR Part 763 (AHERA).
- A licensed asbestos contractor shall remove any identified ACBM from the facility prior to the start of renovation activities that may disturb the materials in accordance with federal, state and local regulations.
- The owner/operator should review this report as plans are developed to confirm which identified hazardous materials are likely to be disturbed as part of the project. The design team should evaluate if any additional inspection is necessary, as additional ACBM may be present in previously inaccessible areas such as within mechanical and electrical components, buried areas, chases, shafts, foundation walls, floor drains, etc. If additional suspect materials are encountered during facility renovation or demolition activities, then precautions should be taken to prevent the disturbance of the suspect material(s) until appropriate bulk sampling and laboratory analysis is performed to evaluate the material's asbestos content.
- The Fairfield Public School system should update the applicable asbestos management plans required by the EPA AHERA regulations (40 CFR Part 763) to reflect the additional ACBMs that have been identified as a result of this inspection.

6.2 Lead-Based Paint

Renovation activities that disturb lead-based paints must be performed in accordance with OSHA regulation 29 CFR 1926.62 (Lead in Construction), which contains requirements for protecting workers from lead exposure. For the purposes of OSHA compliance, any measurable lead in paint could pose a health hazard to workers involved in removal of lead painted components where dust is generated, regardless of the measured lead concentrations in the paints. The standard requires that an initial exposure assessment be conducted whenever employee exposure to lead is possible. The standard also requires specified steps to be taken by the employer to ensure that employees are not exposed to elevated concentrations of lead until the exposure assessments have been completed. In some cases, OSHA would require personal air monitoring to evaluate the level of respiratory protection and medical monitoring for workers involved in such work.

The EPA also regulates the disturbance of paints that contain lead in buildings where children under the age of six years are occupants. Contractors who conduct renovation, repair or painting (RRP) activities in such buildings must have training regarding the EPA's requirements for inspections, work practices, engineering controls, occupant notifications, etc. related to activities that disturb paints containing lead.

The Connecticut Department of Environmental Protection has determined that, when results of a comprehensive evaluation for lead in paint is conducted using an XRF analyzer, and all results indicate lead concentrations below 1.0 mg/cm^2, then the waste from such painted building components is not a hazardous waste due to leachable lead and no further waste characterization for leachable lead is required. As presented in Appendix C, results from the survey reported lead at concentrations < 1 mg/cm^2 on the surfaces evaluated. Additional testing to support waste disposal may be required depending on the planned disposition of the structural steel and the requirements of the selected/proposed facility.

6.3 PCBs

PCB-containing building materials are regulated under the federal PCB regulations at 40 CFR 761 based on the concentrations of PCBs in the materials. A summary of the three categories of materials based on total PCB concentration is presented below.

- PCBs ≥ 50 ppm – At the FWMS, this category only applies to building materials within the portions of the building constructed in 1953/54, 1959, 1972, and 1974. Certain suspect materials designated for removal/disturbance during the renovations have been assumed by the design team to contain PCBs ≥ 50 ppm for removal and disposal purposes. These include: ventilation ductwork sealants, paints on CMU or masonry surfaces, paint on structural steel materials, and sealants associated with rooftop HVAC and louver units.

  Materials assumed to contain PCBs ≥ 50 ppm are to be managed as PCB bulk product waste and disposal as per 40 CFR 761.62 and as a State of Connecticut Regulated Waste (CR01). In addition, substrate and adjacent materials removed/managed collectively with the source materials may also be managed as PCB Bulk Product Waste.

- PCBs > 1 and < 50 ppm – Under the federal PCB regulations, Excluded PCB Products are those materials containing PCBs at concentrations > 1 ppm and < 50 ppm that are not a result of a spill, were contaminated during the manufacturing process, and were legally used and distributed in commerce prior to October 1, 1984. The removal and off-site disposal of these materials is not required to be conducted in accordance with the federal PCB regulations; however, it is required to dispose of the materials at their as found concentrations and the presence of PCBs at concentrations < 50 ppm is to be identified on the waste profiles for the selected facilities. The State of Connecticut regulates these materials for removal and off-site disposal based on the presence of PCBs > 1 ppm and requires that surrounding substrates be evaluated following removal to verify that residual PCBs do not remain. Materials containing PCBs at concentrations > 1 and < 50 ppm have not been identified at the FWMS.

- Non-PCB Containing Materials – Suspect materials determined to be non-detect for PCBs or with PCBs ≤ 1 ppm are not subject to PCB waste management and disposal requirements under 40 CFR 761 or the CTDEEP. Non-PCB containing building materials have not been identified at FWMS through analytical testing. Such materials are limited to those installed after the federal prohibition on the use of PCBs in building materials.

As indicated in Section 5, the design team has elected to manage those suspect PCB-containing building materials designated for removal under the assumption that the materials contain PCBs at concentrations ≥ 50 ppm without analytical testing. Based on this assumption, all suspect PCB-containing building

materials and building materials directly adjacent to the suspect materials are to be managed for removal and off-site disposal as an assumed PCB Bulk Product Waste. A summary of the remedial approach for each item is presented in Appendix C.

6.4 Miscellaneous Hazardous Materials

All fluorescent light tubes, other universal waste and materials requiring special disposal should be handled, packaged and disposed of in accordance with Regulations of Connecticut State Agencies (RCSA) Section 22a – 449 (c) - 113 as well as other applicable federal, state and local requirements. Refrigerants should be reclaimed by contractors appropriately trained and certified to conduct such activities. Petroleum products, cleaning supplies, and other materials that may be disposed of during the renovations should be disposed of in accordance with applicable regulatory requirements.

7. LIMITATIONS AND REMAINING ACTIVITIES

The services provided were conducted in a manner consistent with standard industry practices for hazardous materials surveys, recognizing that even the most comprehensive inspection may not detect all suspect materials in the building. Observations documented in this report were made under the conditions existing at the time of the surveys. Limiting factors include accessibility, visibility, scope of work, and safety. Sampling was not performed on building components that would impact structural, mechanical, life safety, or electrical systems. Note subsurface investigations beneath the foundation slab of the building and on the exterior side of the foundation walls were not included in the scope of this survey based on the information provided which indicated that such materials would not be disturbed during the renovations.

The sampled materials are considered representative of accessible suspect hazardous building materials observed at the facility within construction areas scheduled to be disturbed during upcoming renovations as indicated on the 95% Construction Documents. Reasonable measures were undertaken to detect the presence of suspect hazardous materials within the survey areas. The evaluations, assessments, and findings presented herein are based solely on the observations made during the surveys. While the samples collected are considered representative of the suspect hazardous building materials observed during the survey activities, undetected variations in chemical concentrations may occur in the media at un-sampled locations, and other suspect hazardous materials may be present at locations that may not become accessible until such time that additional building material removal activities are performed. In the event that any conditions differing from those described herein are identified at a later time, Woodard & Curran requests the opportunity to review such differences and modify, as appropriate, the assessments and conclusions given in this report.

As described above, the survey activities were limited to accessible areas of the building and to limited intrusive sampling activities within inaccessible areas planned to be included in the renovations (e.g., roof test cuts). No intrusive survey or sampling activities were performed at locations not scheduled to be disturbed during upcoming renovations as indicated on the 95% Construction Documents nor were destructive test methods utilized in active interior spaces (e.g., floor test cuts in classroom areas with planned new pipe chases). Estimated quantities of materials provided in this report are based on areas scheduled to be disturbed as shown on 95% Construction Documents, and these quantities are subject to change after plans are finalized. Additional quantities of identified hazardous materials may be present at locations that were excluded from the survey and/or at locations concealed by existing finish materials.

If the revisions are made to the planned scope of the renovations, additional/follow up survey activities may be required to evaluate the presence/absence of suspect hazardous building materials in the additional areas.

APPENDIX A: ASBESTOS INSPECTION REPORTS – ENVIROMED SERVICES

EnviroMed

Cleaner environment. Safer workplaces.

Asbestos Roof Inspection Report

For

Fairfield Woods Middle School
1115 Fairfield Woods Road
Fairfield, CT

Prepared For

Woodard & Curran
40 Shattuck Road, Suite 110
Andover, MA 01810

DD - DRAFT SUBMISSION

Date of Inspection:

December 16, 2023

EnviroMed Project

#IH-23-1880

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TABLE OF CONTENTS

Section Page

I. PROJECT NARRATIVE

Overview

On December 16, 2023, EnviroMed Services Connecticut-licensed asbestos inspectors, Dominick Fiore, (license #299) and Maxwell Mauro, (license #1133), performed an asbestos roof inspection on selected roof sections at Fairfield Woods Middle School, 1115 Fairfield Woods Road, Fairfield, Connecticut. See attached roof sample location plan for which roof sections were excluded from the inspection (marked with NIC). The purpose of this inspection was to screen the roof sections for asbestos-containing roofing prior to rooftop HVAC work and roof replacement.

Samples were collected according to 40 CFR Part 763.86 and 29 CFR Part 1926.1101 and analyzed using Polarized Light Microscopy (PLM).

A total of two hundred and one (201) bulk samples were collected and analyzed.

Summary of Results

EnviroMed Services Inc. accredited asbestos laboratory analyzed the bulk samples. The complete laboratory report can be found in Section III. The following asbestos-containing (≥1% asbestos) roofing materials were found on the roof sections surveyed:

None

II. SAMPLE RESULTS TABLE

Sample #	Sample Location	Material Sampled	Percent Asbestos
1	Roof	Main Field Roofing Top Felts	NAD
2	Roof	Main Field Roofing Top Felts	NAD
3	Roof	Main Field Roofing Felt under Top Felts	NAD
4	Roof	Main Field Roofing Insulation & Backer Paper	NAD
5	Roof	Main Field Roofing Insulation & Backer Paper	NAD
6	Roof	Main Field Roofing Insulation & Backer Paper	NAD
7	Roof	Curb Flashing	NAD
8	Roof	Cement on Curb Flashing	NAD
9	Roof	Fiberboard Insulation for Curb Flashing	NAD
10	Roof	Curb Flashing – Top Layer	NAD
11	Roof	Curb Flashing – 2nd Felt Layer	NAD
12	Roof	Curb Flashing – Seam Cement	NAD
13	Roof	Edge Flashing	NAD
14	Roof	Edge Flashing	NAD
15	Roof	Main Field Roofing Top Felts	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
16	Roof	Main Field Roofing Top Felts	NAD
17	Roof	Main Field Roofing Felt Beneath Top Layer	NAD
18	Roof	Main Field Roofing Felt Beneath Top Layer	NAD
19	Roof	Main Field Roofing Insulation & Backer Paper	NAD
20	Roof	Main Field Roofing Insulation & Backer Paper	NAD
21	Roof	Main Field Roofing Insulation & Backer Paper	NAD
22	Roof	Main Field Roofing Insulation & Backer Paper	NAD
23	Roof	HVAC Curb Flashing – Top Layer	NAD
24	Roof	HVAC Curb Flashing – Top Layer	NAD
25	Roof	HVAC Curb Flashing – Felts	NAD
26	Roof	HVAC Curb Flashing – Felts	NAD
27	Roof	HVAC Curb Flashing – 2nd Layer	NAD
28	Roof	HVAC Curb Flashing – 2nd Layer	NAD
29	Roof	Caulk Between Metal Parapet Caps	NAD
30	Roof	Caulk Between Metal Parapet Caps	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
31	Roof	Main Field Roofing Top Felts	NAD
32	Roof	Main Field Roofing Top Felts	NAD
33	Roof	Main Field Roofing Felts under Top Felts	NAD
34	Roof	Main Field Roofing Felts under Top Felts	NAD
35	Roof	Main Field Roofing Insulation & Backer Paper	NAD
36	Roof	Main Field Roofing Insulation & Backer Paper	NAD
37	Roof	Main Field Roofing Insulation & Backer Paper	NAD
38	Roof	Main Field Roofing Insulation & Backer Paper	NAD
39	Roof	HVAC Curb Flashing Top Layer	NAD
40	Roof	HVAC Curb Flashing Top Layer	NAD
41	Roof	Curb Flashing	NAD
42	Roof	Curb Flashing	NAD
43	Roof	Curb Flashing – 2nd Layer Felt	NAD
44	Roof	Curb Flashing – 2nd Layer Felt	NAD
45	Roof	White HVAC Unit Caulking	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
46	Roof	Pitch Box Cement at HVAC Unit	NAD
47	Roof	Seam Cement on HVAC	NAD
48	Roof	Tar on HVAC Unit	NAD
49	Roof	Edge Flashing	NAD
50	Roof	Edge Flashing	NAD
51	Roof	Edge Flashing	NAD
52	Roof	Edge Flashing	NAD
53	Roof	Black Waterproofing Sealer on HVAC Unit	NAD
54	Roof	Seam Tar	NAD
55	Roof	Metal Counterflashing Caulk	NAD
56	Roof	Main Field Roofing Top Felts	NAD
57	Roof	Main Field Roofing Insulation & Backer Paper	NAD
58	Roof	Roll-On Roofing Top Layer	NAD
59	Roof	Roll-On Roofing Top Layer	NAD
60	Roof	Roll-On Roofing Insulation & Backer Paper	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
61	Roof	Roll-On Roofing ¼" Insulation & Backer Paper	NAD
62	Roof	Roll-On Roofing Felt on Fiberboard Insulation	NAD
63	Roof	Roll-On Roofing Felt on Fiberboard Insulation	NAD
64	Roof	Roll-On Roofing Felt on Bottom Insulation	NAD
65	Roof	Roll-On Roofing Felt on Bottom Insulation	NAD
66	Roof	Roll-On Roofing Asphalt Layer on Gypsum Deck	NAD
67	Roof	Roll-On Roofing Asphalt Layer on Gypsum Deck	NAD
68	Roof	Gypsum Roof Deck	NAD
69	Roof	Gypsum Roof Deck	NAD
70	Roof	Edge Flashing	NAD
71	Roof	Edge Flashing	NAD
72	Roof	Felt under Edge Flashing	NAD
73	Roof	Felt under Edge Flashing	NAD
74	Roof	Pitch Box Cement	NAD
75	Roof	Pitch Box Cement	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
76	Roof	Curb Flashing – Top Layer	NAD
77	Roof	Curb Flashing – Bottom Layer	NAD
78	Roof	Main Field Roofing Top Felts	NAD
79	Roof	Main Field Roofing Top Felts	NAD
80	Roof	Main Field Roofing Asphalt on Fiberboard Insulation	NAD
81	Roof	Main Field Roofing Asphalt on Fiberboard Insulation	NAD
82	Roof	Main Field Roofing Felt on Fiberboard Insulation	NAD
83	Roof	Main Field Roofing Felt on Fiberboard Insulation	NAD
84	Roof	Main Field Roofing Paper on 1st Layer Styrofoam Insulation	NAD
85	Roof	Main Field Roofing Paper on 2nd Layer Styrofoam Insulation	NAD
86	Roof	Main Field Roofing Paper on 2nd Layer Styrofoam Insulation	NAD
87	Roof	Main Field Roofing Paper on 2nd Layer Styrofoam Insulation	NAD
88	Roof	Main Field Roofing Asphalt on Gypsum Deck	NAD
89	Roof	Main Field Roofing Asphalt on Gypsum Deck	NAD
90	Roof	Gypsum Roof Deck	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
91	Roof	Gypsum Roof Deck	NAD
92	Roof	Caulk for Chimney Flashing	NAD
93	Roof	Caulk for Chimney Flashing	NAD
94	Roof	Gray Caulk on Roof Edge	NAD
95	Roof	Gray Caulk on Roof Edge	NAD
96	Roof	Cement on Roof Seams	NAD
97	Roof	Cement on Roof Seams	NAD
98	Roof	Main Field Roofing Top Felts	NAD
99	Roof	Main Field Roofing Insulation	NAD
100	Roof	Pitch Box Cement	NAD
101	Roof	Pitch Box Cement	NAD
102	Roof	Gray Caulk on HVAC Unit	NAD
103	Roof	Gray Caulk on HVAC Unit	NAD
104	Roof	Roofing Cement on Top of HVAC Unit	NAD
105	Roof	Roofing Cement on Top of HVAC Unit	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
106	Roof	Main Field Roofing Top Felts	NAD
107	Roof	Main Field Roofing Felts Under Top Felts	NAD
108	Roof	Main Field Roofing ¼" Gray Foam Insulation	NAD
109	Roof	Main Field Roofing 1.5" Yellow Foam Insulation	NAD
110	Roof	Curb Flashing – Top Layer	NAD
111	Roof	Curb Flashing – Bottom Layer	NAD
112	Roof	Cement on Roof Seam	NAD
113	Roof	Main Field Roofing Top Felts	NAD
114	Roof	Main Field Roofing Bottom Felts	NAD
115	Roof	Main Field Roofing Yellow Foam Insulation	NAD
116	Roof	Main Field Roofing Styrofoam Insulation	NAD
117	Roof	Pitch Box Cement	NAD
118	Roof	Pitch Box Cement	NAD
119	Roof	Pitch Box Cement	NAD
120	Roof	Roof Seam Tar	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
121	Roof	Gray/Red Caulking on Chimney	NAD
122	Roof	Curb Flashing – Top Layer	NAD
123	Roof	Curb Flashing – Bottom Layer	NAD
124	Roof	HVAC Curb Flashing – Top Layer	NAD
125	Roof	HVAC Curb Flashing – 2nd Layer	NAD
126	Roof	Main Field Roofing Top Felts	NAD
127	Roof	Edge Flashing – Top Layer	NAD
128	Roof	HVAC Curb Flashing – Top Layer	NAD
129	Roof	HVAC Curb Flashing – Bottom Layer	NAD
130	Roof	Roof Seam Tar	NAD
131	Roof	Edge Flashing – Top Layer	NAD
132	Roof	Edge Flashing – Bottom Layer	NAD
133	Roof	Roof Seam Tar	NAD
134	Roof	Main Field Roofing Yellow Glue between Insulation	NAD
135	Roof	Main Field Roofing Yellow Glue between Insulation	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
136	Roof	Main Field Roofing Top Felt	NAD
137	Roof	Main Field Roofing Paper on Styrofoam Insulation Layer 1	NAD
138	Roof	Main Field Roofing Paper on Styrofoam Insulation Layer 2	NAD
139	Roof	Main Field Roofing Paper on Styrofoam Insulation Layer 3	NAD
140	Roof	Main Field Roofing Paper on Styrofoam Insulation Layer 4	NAD
141	Roof	Gray Caulk on Fan Unit	NAD
142	Roof	Gray Caulk on Fan Unit	NAD
143	Roof	Gray Louver Caulk	NAD
144	Roof	Gray Louver Caulk	NAD
145	Roof	White Caulk on Louver Bolts	NAD
146	Roof	White Caulk on Louver Bolts	NAD
147	Roof	Gray Silicone Caulk on Ductwork	NAD
148	Roof	Gray Silicone Caulk on Ductwork	NAD
149	Roof	Main Field Roll Roofing Top Layer	NAD
150	Roof	Main Field Roofing Bottom Felt on Metal Deck	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
151	Roof	Main Field Roofing Foam Insulation	NAD
152	Roof	Main Field Roofing Foam Insulation	NAD
153	Roof	HVAC Curb Flashing Top Layer	NAD
154	Roof	HVAC Curb Flashing Bottom Layer	NAD
155	Roof	Pitch Box Cement	NAD
156	Roof	Main Field Roll Roofing Top Layer	NAD
157	Roof	Main Field Roll Roofing 2nd Layer	NAD
158	Roof	Main Field Roll Roofing Insulation	NAD
159	Roof	Main Field Roll Roofing Insulation	NAD
160	Roof	Edge Flashing – Top Layer	NAD
161	Roof	Edge Flashing – Middle Layer	NAD
162	Roof	Edge Flashing – Bottom Layer	NAD
163	Roof	Curb Flashing – Top Layer	NAD
164	Roof	Curb Flashing – Bottom Layer	NAD
165	Roof	Pitch Box Cement - Electrical	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
166	Roof	Pitch Box Cement – HVAC Support Angle	NAD
167	Roof	Main Field Roll Roofing – Top Layer	NAD
168	Roof	Main Field Roll Roofing – Underlying Felt	NAD
169	Roof	Main Field Roll Roofing – Styrofoam Insulation	NAD
170	Roof	Main Field Roll Roofing – Paper on Styrofoam Insulation	NAD
171	Roof	Main Field Roll Roofing – Paper on Styrofoam Insulation	NAD
172	Roof	Edge Flashing – Top Layer	NAD
173	Roof	Edge Flashing – Top Layer	NAD
174	Roof	Edge Flashing – 2nd Layer	NAD
175	Roof	Main Field Roll Roofing – Top Layer	NAD
176	Roof	Main Field Roll Roofing – Styrofoam Insulation	NAD
177	Roof	Main Field Roll Roofing – Paper on Styrofoam Insulation	NAD
178	Roof	Main Field Roll Roofing – Paper on Styrofoam Insulation	NAD
179	Roof	Roof Hatch Curb Flashing	NAD
180	Roof	Roof Hatch Curb Flashing	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
181	Roof	Roof Hatch Curb Flashing – Bottom Layer	NAD
182	Roof	Edge Flashing – Top Layer	NAD
183	Roof	Edge Flashing – Middle Layer	NAD
184	Roof	Edge Flashing – Bottom Layer	NAD
185	Roof	Seam Caulk on Parapet Wall Cap	NAD
186	Roof	Seam Caulk on Parapet Wall Cap	NAD
187	Roof	Main Field Roll Roofing – Top Layer	NAD
188	Roof	Main Field Roofing Yellow Glue between Insulation	NAD
189	Roof	Main Field Roofing Yellow Glue between Insulation	NAD
190	Roof	Main Field Roll Roofing – Paper on Styrofoam Insulation	NAD
191	Roof	Main Field Roll Roofing – Paper on Styrofoam Insulation	NAD
192	Roof	Edge Flashing	NAD
193	Roof	Corner Black Roll On Main Field Roofing	NAD
194	Roof	Yellow Glue on Corner Roll On Roofing	NAD
195	Roof	Yellow Glue on Corner Roll On Roofing	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
196	Roof	Corner Main Field Roll Roofing Styrofoam Insulation	NAD
197	Roof	Corner Main Field Roll Roofing Styrofoam Insulation	NAD
198	Roof	Edge Corner Flashing	NAD
199	Roof	Corner Skylight Curb Flashing – Top Layer	NAD
200	Roof	Corner Skylight Curb Flashing – 2nd Layer	NAD
201	Roof	Skylight Curb Black Joint Sealer	NAD

NAD = No Asbestos Detected

III. LABORATORY ANALYSIS REPORT

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Laboratory Analysis Report

Asbestos – Bulk

To: Woodard and Curran
40 Shattuck Road, Suite 110
Andover, MA, 01810

Lab #: 26955
Date Collected: 12/16/2023
Date Received: 12/18/2023
Date Analyzed: 12/19/2023 – 1/4/2024
Date Report Prepared: 1/8/2024

Project #: IH-23-1880

Analysis: Asbestos Fiber Content
Analysis Type: Asbestos by Polarized Light Microscopy
Location: 1115 Fairfield Woods Road, Fairfield, CT – **Fairfield Woods Middle School - Roof**

Test Methods: U.S. Environmental Protection Agency (EPA) Interim Method for the Determination of Asbestos In Bulk Insulation Samples (EPA600/M4-82-020) as found in 40 CFR, Part 763, Appendix E to Subpart or the current U.S. EPA method for the analysis of asbestos in building material.

U.S. Environmental Protection Agency's Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey.

Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
1	A-Side East | Top Layer Road Roof Main	Black Fibrous/Cementitious	No Asbestos Detected
2	A-Side East | Top Layer Road Roof Main	Black Fibrous/Cementitious	No Asbestos Detected
3	A-Side East | Felt Beneath Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
4	A-Side East | First Layer 1/4' Insulation Bottom and Top Backing	Brown Cementitious	No Asbestos Detected
5	A-Side East First | Layer 1/4' Insulation Bottom and Top Backing	Brown Cementitious	No Asbestos Detected
6	A-Side East | Second Layer 1/2' Insulation Bottom and Top Backing	Brown Fibrous	No Asbestos Detected
7	A-Side East | Top Layer Curb Flashing	Black Fibrous/Cementitious	No Asbestos Detected
8	A-Side East | Seam Tar Curb Flashing	Black Cementitious	No Asbestos Detected
9	A-Side East | Second Layer 1-1/2' Insulation Bottom and Top Backing	Brown Fibrous	No Asbestos Detected
10	A-Side East | Top Layer Curb Flashing	Black Fibrous/Cementitious	No Asbestos Detected
11	A-Side East | Felt Beneath Top Layer	Black Fibrous	No Asbestos Detected
12	A-Side East | Seam Tar Curb Flashing	Black Cementitious	No Asbestos Detected
13	A-Side East | Edge Flashing	Black Cementitious	No Asbestos Detected
14	A-Side East | Edge Flashing	Black Cementitious	No Asbestos Detected
15	A-Side East | Top Layer Road Roof	Black Fibrous/Cementitious	No Asbestos Detected
16	A-Side East | Top Layer Road Roof	Black Fibrous/Cementitious	No Asbestos Detected

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Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
17	A-Side East | Felt Beneath Top Layer	Black Cementitious	No Asbestos Detected
18	A-Side East | Felt Beneath Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
19	A-Side East | First Layer 1/4' Insulation Bottom and Top Backing	Gray Fibrous/Foam	No Asbestos Detected
20	A-Side East | First Layer 1/4' Insulation Bottom and Top Backing	Gray Fibrous/Foam	No Asbestos Detected
21	A-Side East | First Layer 1-1/2' Insulation Bottom and Top Backing	Brown Fibrous	No Asbestos Detected
22	A-Side East | First Layer 1-1/2' Insulation Bottom and Top Backing	Brown Fibrous	No Asbestos Detected
23	A-Side East | HVAC Curb Flashing Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
24	A-Side East | HVAC Curb Flashing Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
25	A-Side East | HVAC Curb Flashing Felt	Black Fibrous/Cementitious	No Asbestos Detected
26	A-Side East | HVAC Curb Flashing Felt	Black Fibrous/Cementitious	No Asbestos Detected
27	A-Side East | HVAC Curb Flashing – Second Layer	Black Fibrous/Cementitious	No Asbestos Detected
28	A-Side East | HVAC Curb Flashing – Second Layer	Black Fibrous/Cementitious	No Asbestos Detected
29	A-Side East | Caulking between Metal Caps	Gray Caulking	No Asbestos Detected
30	A-Side East | Caulking between Metal Caps	Gray Caulking	No Asbestos Detected
31	A-Side East | Top Layer Main Field	Black Fibrous/Cementitious	No Asbestos Detected
32	A-Side East | Top Layer Main Field	Black Fibrous/Cementitious	No Asbestos Detected
33	A-Side East | Felt Paper – Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
34	A-Side East | Felt Paper – Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
35	A-Side East | 1st Layer ¼" Insulation – Bottom and Top Backing	Gray Fibrous/Foan	No Asbestos Detected
36	A-Side East | 1st Layer ¼" Insulation – Bottom and Top Backing	Black Fibrous	No Asbestos Detected
37	A-Side East | 1st Layer 1 1/2" Insulation – Bottom and Top Backing	Off-White Foam	No Asbestos Detected
38	A-Side East | 1st Layer 1 1/2" Insulation – Bottom and Top Backing	Brown Fibrous/Foam	No Asbestos Detected
39	A-Side East | HVAC Curb Flashing - Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
40	A-Side East | HVAC Curb Flashing - Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
41	A-Side East | Curb Flashing Felt	Black Fibrous/Cementitious	No Asbestos Detected

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Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
42	A-Side East | Curb Flashing Felt	Black Fibrous/Cementitious	No Asbestos Detected
43	A-Side East | Curb Flashing – 2nd Layer	Black Fibrous/Cementitious	No Asbestos Detected
44	A-Side East | Curb Flashing – 2nd Layer	Black Fibrous/Cementitious	No Asbestos Detected
45	A-Side East | HVAC Caulking	White Caulking	No Asbestos Detected
46	A-Side East | HVAC Pitch box	Black Fibrous/Cementitious	No Asbestos Detected
47	A-Side East | HVAC Seam Tar	Black Fibrous/Cementitious	No Asbestos Detected
48	A-Side East | HVAC Top Tar	Black Cementitious	No Asbestos Detected
49	A-Side East | Edge Flashings	Black Fibrous/Cementitious	No Asbestos Detected
50	A-Side East | Edge Flashings	Black Fibrous/Cementitious	No Asbestos Detected
51	B-Side South | Edge Flashing – Top & Bottom	Black Fibrous/Cementitious	No Asbestos Detected
52	B-Side South | Edge Flashing – Top & Bottom	Black Fibrous/Cementitious	No Asbestos Detected
53	B-Side South | Black Waterproof Sealer on HVAC	Black Cementitious	No Asbestos Detected
54	B-Side South | Seam Tar	Black Cementitious	No Asbestos Detected
55	B-Side South | Brick Wall Metal Flashing Caulk	Gray Caulking	No Asbestos Detected
56	B-Side South | Top Layer	Black Fibrous	No Asbestos Detected
57	B-Side South | 1\4" 1st Layer Insulation Top & Bottom Backings	Gray Cementitious/Foam	No Asbestos Detected
58	B-Side South | Black Top Layer – Roll On	Black Fibrous/Cementitious	No Asbestos Detected
59	B-Side South | Black Top Layer – Roll On	Black Fibrous/Cementitious	No Asbestos Detected
60	B-Side South | 1\4" Insulation Top & Bottom	Black Fibrous/Cementitious	No Asbestos Detected
61	B-Side South | 1\4" Insulation Top & Bottom	Black Fibrous/Cementitious	No Asbestos Detected
62	B-Side South | Felt Attached to Fiber Board Insulation	Black Fibrous/Cementitious	No Asbestos Detected
63	B-Side South | Felt Attached to Fiber Board Insulation	Black Fibrous/Cementitious	No Asbestos Detected
64	B-Side South | Bottom Insulation Paper	Gray/Black Fibrous	No Asbestos Detected
65	B-Side South | Bottom Insulation Paper	Gray/Brown Fibrous	No Asbestos Detected
66	B-Side South | Asphalt Layer on Top of Gypsum Roof Deck	Black Fibrous/Cementitious	No Asbestos Detected

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Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
67	B-Side South | Asphalt Layer on Top of Gypsum Roof Deck	Black Fibrous/Cementitious	No Asbestos Detected
68	B-Side South | Gypsum Roof Deck	White Fibrous/Cementitious	No Asbestos Detected
69	B-Side South | Gypsum Roof Deck	White Fibrous/Cementitious	No Asbestos Detected
70	B-Side South | Edge Flashing	Black Fibrous/Cementitious	No Asbestos Detected
71	B-Side South | Edge Flashing	Black Fibrous/Cementitious	No Asbestos Detected
72	B-Side South | Felt Under Edge Flashing	Black Fibrous/Cementitious	No Asbestos Detected
73	B-Side South | Felt Under Edge Flashing	Black Fibrous/Cementitious	No Asbestos Detected
74	B-Side South | Pitch Pocket Tar Next To Chimney	Black Rubbery	No Asbestos Detected
75	B-Side South | Pitch Pocket Adjacent to Small Roof Section	Black Rubbery	No Asbestos Detected
76	B-Side South | Curb Flashing – Top	Black Fibrous/Cementitious	No Asbestos Detected
77	B-Side South | Curb Flashing – Bottom	Black Fibrous/Cementitious	No Asbestos Detected
78	B-Side South | Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
79	B-Side South | Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
80	B-Side South | Asphalt Layer on Fiber Board Under 1st Layer	Black Fibrous/Cementitious	No Asbestos Detected
81	B-Side South | Asphalt Layer on Fiber Board Under 1st Layer	Black Fibrous/Cementitious	No Asbestos Detected
82	B-Side South | Asphalt Felt Paper on Fiberboard Insulation	Black Cementitious	No Asbestos Detected
83	B-Side South | Asphalt Felt Paper on Fiberboard Insulation	Black Cementitious	No Asbestos Detected
84	B-Side South | Paper on 1st Layer Styrofoam Insulation	Black Fibrous/Cementitious	No Asbestos Detected
85	B-Side South | Paper on 1st Layer Styrofoam Insulation	Black Fibrous/Cementitious	No Asbestos Detected
86	B-Side South | Paper On 2nd Styrofoam Layer	Black Fibrous/Cementitious	No Asbestos Detected
87	B-Side South | Paper On 2nd Styrofoam Layer	Black Fibrous/Cementitious	No Asbestos Detected
88	B-Side South | Bottom Asphalt Rubber on Gypsum Decking	Black Cementitious	No Asbestos Detected
89	B-Side South | Bottom Asphalt Rubber on Gypsum Decking	Black Fibrous/Cementitious	No Asbestos Detected
90	B-Side South | Gypsum Decking	White Cementitious	No Asbestos Detected

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Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
91	B-Side South | Gypsum Decking	White Cementitious	No Asbestos Detected
92	B-Side South | Chimney Flashing Caulk	Gray Caulking	No Asbestos Detected
93	B-Side South | Chimney Flashing Caulk	Gray Caulking	No Asbestos Detected
94	C-Side West | Edge Caulk	Gray Caulking	No Asbestos Detected
95	C-Side West | Edge Caulk	Gray Caulking	No Asbestos Detected
96	C-Side West | Caulk Seam Tar	Black Cementitious	No Asbestos Detected
97	C-Side West | Caulk Seam Tar	Black Cementitious	No Asbestos Detected
98	C-Side West | Main Field Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
99	C-Side West | Main Field Bottom Insulation	Black Fibrous/Cementitious	No Asbestos Detected
100	C-Side West | Pitch Tar	Gray/Black Cementitious	No Asbestos Detected
101	C-Side West | Pitch Tar	Gray/Black Cementitious	No Asbestos Detected
102	C-Side West | HVAC Caulk	Gray Caulking	No Asbestos Detected
103	C-Side West | HVAC Caulk	Gray Caulking	No Asbestos Detected
104	C-Side West | Tar On Top Of HVAC	Black Fibrous/Cementitious	No Asbestos Detected
105	C-Side West | Tar On Top Of HVAC	Black Fibrous/Cementitious	No Asbestos Detected
106	C-Side West | Top Layer Field	Black Fibrous/Cementitious	No Asbestos Detected
107	C-Side West | Felt Below Top Layer Field	Black Fibrous/Cementitious	No Asbestos Detected
108	C-Side West | 1st Layer – ¼" Insulation Top & Bottom	Gray Foam/Cementitious	No Asbestos Detected
109	C-Side West | 1 ½" Insulation Top & Bottom	Yellow Foam	No Asbestos Detected
110	C-Side West | Curb Flashing Top	Black Fibrous/Cementitious	No Asbestos Detected
111	C-Side West | Curb Flashing Bottom	Black Fibrous/Cementitious	No Asbestos Detected
112	C-Side West | Tar Seam	Black Fibrous/Cementitious	No Asbestos Detected
113	C-Side West | Tar Layer Field	Black Fibrous/Cementitious	No Asbestos Detected
114	C-Side West | Bottom Felt	Black Fibrous/Cementitious	No Asbestos Detected
115	C-Side West | ¼" Foam Insulation Top & Bottom	Black/Yellow Foam	No Asbestos Detected

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Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
116	C-Side West | Top & Bottom Layer of Styrofoam Insulation	Black/Yellow Foan	No Asbestos Detected
117	C-Side West | Pitch Boxes	Black Rubbery	No Asbestos Detected
118	C-Side West | Pitch Boxes	Black Rubbery	No Asbestos Detected
119	C-Side West | Pitch Boxes	Black Rubbery	No Asbestos Detected
120	C-Side West | Seam Tar	Black Cementitious	No Asbestos Detected
121	C-Side West | Chimney Caulking	Gray/Red Rubbery	No Asbestos Detected
122	C-Side West | Curb Flashing Top	Black Fibrous/Cementitious	No Asbestos Detected
123	C-Side West | Curb Flashing Felt	Black Fibrous/Cementitious	No Asbestos Detected
124	C-Side West | HVAC Top Layer Curb Flashing	Black Fibrous/Cementitious	No Asbestos Detected
125	C-Side West | HVAC Curb Flashing Fely Layers	Black Fibrous/Cementitious	No Asbestos Detected
126	C-Side West | Black Roof Top Layer Field	Black Fibrous/Cementitious	No Asbestos Detected
127	C-Side West | Black Roof Top Layer Edge Flashing	Black Fibrous/Cementitious	No Asbestos Detected
128	C-Side West | Black Roof Top Layer HVAC Curb Flashing	Black Fibrous/Cementitious	No Asbestos Detected
129	C-Side West | Black Roof Bottom Layer HVAC Curb Flashing	Black Rubbery/Cementitious	No Asbestos Detected
130	C-Side West | Black Roof Seam Tar	Black Rubbery	No Asbestos Detected
131	A-Side East | Black Roof Edge Flashing Top	Black Fibrous/Cementitious	No Asbestos Detected
132	A-Side East | Black Roof Edge Flashing Bottom	Black Fibrous/Cementitious	No Asbestos Detected
133	A-Side East | Black Roof Seam Tar	Black Cementitious	No Asbestos Detected
134	A-Side East | Black Roof Field Yellow Glue Attaching Styrofoam to Fiberboard	Yellow/Brown	No Asbestos Detected
135	A-Side East | Black Roof Field Yellow Glue Attaching Styrofoam to Fiberboard	Yellow/Brown Fibrous	No Asbestos Detected
136	A-Side East | Black Roof Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
137	A-Side East | Styrofoam Paper Layer 1	Yellow-Brown Fibrous	No Asbestos Detected
138	A-Side East | Styrofoam Paper Layer 2	Yellow-Brown Fibrous	No Asbestos Detected
139	A-Side East | Styrofoam Paper Layer 3	Yellow-Brown Fibrous	No Asbestos Detected
140	A-Side East | Styrofoam Paper Layer 4	Yellow-Brown Fibrous	No Asbestos Detected

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Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
141	C-Side West | Fan Unit Caulk	Gray/White Caulking	No Asbestos Detected
142	C-Side West | Fan Unit Caulk	Gray/White Caulking	No Asbestos Detected
143	C-Side West | Lower Caulk	Light Gray Caulking	No Asbestos Detected
144	C-Side West | Light Gray Caulk	White Caulking	No Asbestos Detected
145	White Caulk Bolt Holes - Green Louvers	White Caulking	No Asbestos Detected
146	White Caulk Bolt Holes - Green Louvers	White Caulking	No Asbestos Detected
147	Gray Ventilation Caulk Duct Work (Silicone)	White/Gray Caulking	No Asbestos Detected
148	Gray Ventilation Caulk Duct Work (Silicone)	Gray Caulking	No Asbestos Detected
149	Center Roof Main Gray Field – Top Layer Roll On	Black/Yellow Fibrous/Cementitious	No Asbestos Detected
150	Center Roof Bottom Felt on Top of Metal Duct	Black/Brown Fibrous	No Asbestos Detected
151	Paper Styrofoam Insulation – Gray Main Roof	Yellow/Brown Foam	No Asbestos Detected
152	Paper Styrofoam Insulation – Gray Main Roof	Yellow/Brown Foam	No Asbestos Detected
153	HVAC Curbing | Tope Layer Grey Roll on Center Roof	Black Fibrous/Cementitious	No Asbestos Detected
154	HVAC Curbing | Multi-Layer Felt Beneath Grey Roll-On	Black Fibrous/Cementitious	No Asbestos Detected
155	HVAC | Pitch Pocket Cement	Black Cementitious	No Asbestos Detected
156	Northwest D-Side | Field Grey Roll On	Gray/Black Cementitious	No Asbestos Detected
157	Northwest D-Side | Felt Paper Underlaying	Black/Yellow Fibrous	No Asbestos Detected
158	Northwest D-Side | Top Layer Insulation Field Paper	Brown/Yellow Fibrous	No Asbestos Detected
159	Northwest D-Side | Top Layer Insulation Field Paper	Black/Yellow Fibrous	No Asbestos Detected
160	Northwest D-Side | Edge Flashing Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
161	Northwest D-Side | Edge Middle Layer Flashing	Black Fibrous/Cementitious	No Asbestos Detected
162	Northwest D-Side | Edge Bottom Layer Flashing	Black Fibrous/Cementitious	No Asbestos Detected
163	Northwest D-Side | Curb Flashing Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
164	Northwest D-Side | Curb Flashing Bottom Layer	Black Fibrous/Cementitious	No Asbestos Detected
165	HVAC Electrical Conduit Pitch Pocket Tar | Northwest D	Black Cementitious	No Asbestos Detected

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Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
166	Pitch Pocket – HVAC Support Angle Duct Work	Black Cementitious	No Asbestos Detected
167	Northwest D-Side | Grey Field Roll-On	Black Fibrous/Cementitious	No Asbestos Detected
168	Northwest D-Side | Underlying Felt Beneath Field	Black Fibrous/Cementitious	No Asbestos Detected
169	Quarter Inch Styrofoam Beneath Top Layer | North Side D Field Grey	Gray/Yellow Fibrous	No Asbestos Detected
170	North D-Side Grey Field | Styrofoam Paper Top	Yellow/Brown Fibrous	No Asbestos Detected
171	North D- Side Grey Field | Styrofoam Paper Second Layer	Yellow/Brown Fibrous	No Asbestos Detected
172	North D-Side | Top Edge Flashing	Black Fibrous/Cementitious	No Asbestos Detected
173	North D-Side | Top Edge Flashing	Black Fibrous/Cementitious	No Asbestos Detected
174	North D-Side | Second Layer Edge Flashing	Black Fibrous/Cementitious	No Asbestos Detected
175	North D-Side | Grey Field Top Layer Roll On	Black/Gray Fibrous/Cementitious	No Asbestos Detected
176	North D-Side | Grey Styrofoam Quarter Inch Backing	Gray Cementitious	No Asbestos Detected
177	North D-Side Field | Top Layer Styrofoam Paper	Yellow/Brown Fibrous	No Asbestos Detected
178	North D-Side Field | Second Layer Styrofoam Paper	Yellow Foam	No Asbestos Detected
179	North D-Side | Roof Hatch Curbing Flashing	Black Fibrous/Cementitious	No Asbestos Detected
180	North D Side | Roof Hatch Curbing Flashing	Black Fibrous/Cementitious	No Asbestos Detected
181	North D-Side | Roof Hatch Curb Bottom Flashing	Black Fibrous/Cementitious	No Asbestos Detected
182	North D-Side | Edge Flashing Top Layer	Black Fibrous/Cementitious	No Asbestos Detected
183	North D-Side | Edge Flashing Middle Layer	Black Cementitious	No Asbestos Detected
184	North D-Side | Edge Flashing Bottom Layer	Black Cementitious	No Asbestos Detected
185	North D-Side | Seam Caulk Parapet Wall Cap	Black/Yellow Caulking	No Asbestos Detected
186	North D-Side | Seam Caulk Parapet Wall Cap	Black/Gray Caulking	No Asbestos Detected
187	C West | Black Roll On Field	Black Fibrous/Cementitious	No Asbestos Detected
188	C West Field | Yellow Glue Attached to Fiber Board to Styrofoam Field	Yellow Glue/Foam	No Asbestos Detected
189	C West Field | Yellow Glue Attached to Fiber Board to Styrofoam Field	Yellow Glue	No Asbestos Detected
190	C West | Top Styrofoam Paper Layer Field	Yellow/Brown Fibrous	No Asbestos Detected

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Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
191	C West | Second Styrofoam Paper Layer Field	Yellow/Brown Fibrous	No Asbestos Detected
192	C West | Black Edge Flashing with Attached Felt	Black Fibrous/Cementitious	No Asbestos Detected
193	B-South | Corner Black Roll On Field	Black Fibrous/Cementitious	No Asbestos Detected
194	B-South | Corner Felt Layer Yellow Glue Attached to Black Roll-On	Yellow Glue/Foam	No Asbestos Detected
195	B-South | Corner Felt Field Layer Yellow Glue Attached to Black Roll On	Yellow Glue/Foam	No Asbestos Detected
196	B-South | Styrofoam Corner Paper Top Layer Field	Yellow/Black Foam	No Asbestos Detected
197	B-South | Styrofoam Corner Second Layer	Yellow/Black Foam	No Asbestos Detected
198	B-South | Edge Corner Flashing (Black)	Black Fibrous/Cementitious	No Asbestos Detected
199	B-South | Corner Skylight Curb Flashing First Layer (Black)	Black Fibrous/Cementitious	No Asbestos Detected
200	B-South | Corner Skylight Curb Flashing Second Layer (Black)	Black Fibrous/Cementitious	No Asbestos Detected
201	13 – South Joint Sealer Skylight Curb (Black)	Black Fibrous/Cementitious	No Asbestos Detected

Accredited for Bulk Asbestos Analysis by AIHA-LAP #100120 CT DPH #PH-0571 MA-DLS #AA000245 RI-PLM00148

Estimated Limit of Reporting: <1% asbestos.

The samples arrived in acceptable condition. The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the samples tested. There exists a degree of variability for the results due to the inherent uncertainty within the analytical method. The concentration of asbestos is determined by visual estimation. This report must NOT be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Analyst: Gino Fiore Date: 1/11/2024
Gino Fiore

Technical Manager: Lawrence J. Cannon Date: 1/11/2024
Lawrence Cannon

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address: woodward and Curran · 1115 Fairfield Woods Road, Fairfield, CT

Project/Job#: 1H-23-1880

Collected by/Date: 12/16/23 12/16/23 DF, MM, LS, AK

Turn Around Time: ☐ 24hr ☐ 3-5 Days

Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Specific Location(s): Fairfield Woods

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
1	A Side East top layer Rd. Roof main field	21	Y	Black F, brn & cementitious	Y		0.01/0.05						15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
2	A Side East, top layer Rd. Roof Main field	21	Y	Black Fibers & cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
3	A Side East, Felt beneath top layer Rd. Roof	21	Y	Black Fibers & cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
4	A Side East 1st layer 1/4" Insulation btm. + top backing Rd. Roof	21	Y	Brown cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
5	A Side East 1st layer 1/4" Insulation bottom + top backing Rd. Roof	21	Y	Brown cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
6	A Side East 2nd layer 1 1/2" Insulation bottom + top backing Rd Roof	21	Y	Brown Fibrous	Y								30% Cellulose / 5% Fiberglass	Incomplete Extinction Isotropic	65% Particulate	NAD
7	A East ~~Curb flashing top layer~~ top layer curb flashing Rd. Roof	21	Y	Black Fibers & cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
8	A East Seam tar, flashing curb Rd. Roof	21	Y	Black cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12-18-23		1/3/2024	
QC: 3, 13, 23, 33, 43, 53, 63, 73, 83, 93,	Received by:	Date: 12/18/23	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr ☐ 3-5 Days
Specific Location(s): Fairfield Woods	1H-23-1880	12/16/12 DF, MM, LS. MK	Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
9	A side East 2nd layer 1½" insulation bottom of top backing Rd Roof	21	Y	Brown Fibrous	Y		001/0.05						25% Cellulose / Fiberglass	Incomplete Extinction Isotropic	75% Particulate	NAD
10	A East ~~seam~~ top layer cap flashing Rd Roof	21	Y	Black Fibrous & cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
11	A East Felt beneath top layer Rd. Roof	21	Y	Black Fibrous	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
12	A East seam tar cap flashing Rd Roof	21	Y	Black cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
13	A East Edge flashing Rd. Roof	21	Y	Black cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
14	A East ~~Base~~ top Edge layer ~~Roof~~ flashing Rd. Roof	21	Y	Black cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
15	A East Field top layer Rd Roof	21	Y	Black Fibrous & cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
16	A East Field top layer Rd. Roof	21	Y	Black Fibrous & cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested — NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	MM	12-18-23	Dino Fiore	1/3/2024	
QC: 103, 113, 123, 133, 143	Received by: Dino Fiore	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form
Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr ☐ 3-5 Days
Specific Location(s): Fairfield Woods	1H-23-1880	12/16/23 DF, MM, LS, AK	Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
17	A side East, Felt beneath top layer Rd. Roof	21	Y	Black Cementitious	Y		0.01/0.05						15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
18	A side East Felt beneath top layer Rd. Roof	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
19	A side East, 1st layer 1/4" Insulation bottom + top backing Rd. Roof	21	Y	Gray Fibrous + Foam	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
20	A side East 1st layer 1/4" Insulation bottom + top backing Rd. Roof	21	Y	Gray Fibrous + Foam	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
21	A side East 2nd layer 1 1/2" Insulation bottom + top backing Rd. Roof	21	Y	Brown Fibrous	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
22	A side East 2nd layer 1 1/2" Insulation bottom + top backing Rd. Roof	21	Y	Brown Fibrous	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
23	A East HVAC curb flashing top layer ~~Rd. Roof~~	21	Y	Black Fibrous + cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
24	A East HVAC curb flashing top layer ~~Rd. Roof~~	21	Y	Black Fibrous + cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12-18-23	Dara Fiore	1/3-	
QC:	Received by: Dara Fiore	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:

Project/Job#: 1H-23-1880

Collected by/Date: 12/16/23 DF, MM, LS, AK

Turn Around Time: ☐ 24hr ☐ 3-5 Days

Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Specific Location(s): Fairfield Woods

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
25	A East HVAC curb flashing felt	21	Y	Black Fibrous + Cementitious	Y		0.01/0.05						15% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	85% Particulate	NAD
26	A East HVAC curb flashing felt	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	85% Particulate	NAD
27	A East HVAC curb flashing 2nd layer	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	85% Particulate	NAD
28	A East HVAC curb flashing 2nd layer	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	85% Particulate	NAD
29	A East caulking between metal caps	21	Y	Gray Caulking	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD
30	A East caulking between metal caps	21	Y	Gray Caulking	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD
31	A East top layer Main field	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	85% Particulate	NAD
32	A East top layer Main field	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	85% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12-18-23	Sara Price	1/4/2023	
QC:	Received by: Sara Price	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr ☐ 3-5 Days
Specific Location(s): ~~Hse~~ Fairfield Woods	1H-23-1880	12/16/23 OF, MM, LS, AK	Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
33	A East Felt beneath top layer	21	Y	Black Fibrous + Cementitious	Y		0.01/0.05						15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
34	A East Felt beneath top layer	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
35	A East 1st layer 1/4" Insulation bottom + top backing	21	Y	Gray Fibrous + Foam	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
36	A East 1st layer 1/4" Insulation bottom + top backing	21	Y	Black Fibrous	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
37	A Side East 2nd layer 1 1/2" Insulation bottom + top backing	21	Y	off white Foam	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
38	A East 2nd layer 1 1/2" Insulation bottom + top backing	21	Y	Brown Fibrous + Foam	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
39	A East HVAC curb flashing top layer	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
40	A East HVAC curb flashing top layer	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	[signature]	12-18-23	Dino Fiore	1/4/2024	
QC:	Received by: Dino Fiore	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955

Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:

Project/Job#: IH-23-1880

Collected by/Date: 12/16/23 DF, MM, LS, AK

Turn Around Time: ☐ 24hr ☐ 3-5 Days

Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Specific Location(s): Fairfield Woods

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
41	A East curb flashing 1st lt	21	Y	Black Fibrous + cementitious	Y		0.01/0.05						15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
42	A East curb flashing 1st lt	21	Y	Black Fibrous + cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
43	A East curb flashing 2nd layer	21	Y	Black Fibrous + cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
44	A East curb flashing 2nd layer	21	Y	Black Fibrous + cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
45	A East HVAC caulking	21	Y	White caulking	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
46	A East HVAC Pitchbox	21	Y	Black Fibrous + cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
47	A East HVAC seam tar	21	Y	Black Fibrous + cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
48	A EAST HVAC top tar	21	Y	Black cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12-18-23	Sino Juce	1/4/2024	
QC:	Received by: Sino Juce	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955

Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr ☐ 3-5 Days
Specific Location(s): Fairfield Woods	1H-23-1880	12/16/23 DF, MM, LS, AK	Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
49	A East edge flashing	21	Y	Black Fibrous + cementitious	Y		0.01 / 0.05						10 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD
50	A East Edge flashing	21	Y	Black Fibrous + cementitious	Y								10 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD
51	B South top layer Edge flashing top + Bottom	21	Y	Black Fibrous + cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD
52	B South Edge flashing top + Bottom	21	Y	Black Fibrous + cementitious	Y								10 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD
53	B South Black without ~~Rebar Box~~ Sealer on HVAC	21	Y	Black cementitious	Y								5 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	95 % Particulate	NAD
54	B South Seam tar	21	Y	Black cementitious	Y								5 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	95 % Particulate	NAD
55	B South brick wall metal flashing caulk	21	Y	Gray caulking	Y								3 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	97 % Particulate	NAD
56	B South top layer	21	Y	Black Fibrous	Y								15 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	85 % Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	[signature]	12-18-23	Silvio Fiore	1/4-5/2024	
QC:	Received by: Silvio Fiore	Date: 12/18/23	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
	IH-23-1880	12/16/23 OF, MM, LS, AK	☐ 24hr ☐ 3-5 Days
Specific Location(s): Fairfield Woods			Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
57	B South 1/4" 1st layer Insulation top + Bottom Backings	21	Y	Gray/Cementitious + Foam	Y		0.01/0.05						10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
58	B South Black top later Roll on	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
59	B South Black top later Roll on	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
60	B South 1/4" Insulation top + Bottom	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
61	B South 1/4" Insulation top + Bottom	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
62	B South Roof Felt Attached to Fiber Board Insulation	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
63	B South Roof Felt Attached to Fiber Board Insulation	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
64	B South Bottom Insulation Paper	21	Y	Gray/Black Fibrous	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12/18/23		1/8-	
QC:	Received by:	Date:	Approved by:	Date:	
		12/18/23			

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr ☐ 3-5 Days
Specific Location(s): Fairfield Woods	1H-23-1880	12/16/23 PF, MM, LS, AK	Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, mi, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
65	B South bottom insulation paper	21	Y	Gray/Brown Fibrous	Y		0.01/.005						15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
66	B South asphalt lyr. ontop of gypsum Roof deck	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
67	B South asphalt layer on gypsum Roof deck	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
68	B South Gypsum ~~layer~~ Roof deck	21	Y	White Fibrous + Cementitious	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
69	B South gypsum Roof deck	21	Y	White Fibrous + Cementitious	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
70	B East Edge flashing	21	Y	Black Fibrous + Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
71	B East Edge flashing	21	Y	Black Fibrous + Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
72	B East Felt under edge flashing	21	Y	Black Fibrous + Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12-18-23		1/3-	
QC:	Received by: Lisa Fiore	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:

Project/Job#: 14-23-1880

Collected by/Date: 12/16/23 DF, MM, LS, AK

Turn Around Time: ☐ 24hr ☑ 3-5 Days

Specific Location(s): Fairfield Woods

Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogeneous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
73	B East Felt under edge flashing	21	Y	Black Fibrous + Cementitious	Y		6.01/0.05						15% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	85% Particulate	NAD
74	B East Pitchpocket tar next to chimney	21	Y	Black Rubbery	Y								10% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	90% Particulate	NAD
75	B East Pitchpocket adjacent to small protruding Pot section.	21	Y	Black Rubbery	Y								10% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	90% Particulate	NAD
76	B East Curb flashing top	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	90% Particulate	NAD
77	B East curb flashing bottom	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	85% Particulate	NAD
78	B East top layer	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	90% Particulate	NAD
79	B East top layer	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	90% Particulate	NAD
80	B East Roof asphalt layer on fiberboard under EPDM layer	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	90% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12-18-23	Sara Price	1/5/2024	
QC:	Received by: Sara Price	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:

Project/Job#: IH-23-1880

Collected by/Date: 12/16/23 DF, MM, LS, AK

Turn Around Time: ☐ 24hr ☑ 3-5 Days

Specific Location(s): Fairfield Woods

Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
81	B East Roof Asphalt Layer on Fiber Board Under 1st Layer	21	Y	Black Fibrous + Cementitious	Y		0.01/0.05						20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
82	B East Asphalt Felt Paper on Fiberboard Insulation	21	Y	Black Cementitious	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
83	B East Asphalt Felt Paper on Fiberboard Insulation	21	Y	Black Cementitious	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
84	B East Paper on First Layer styrophome Insulation	21	Y	Black Fibrous + Cementitious	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
85	B East Paper on First Layer styrophome Insulation	21	Y	Black Fibrous + Cementitious	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
86	B East Paper on 2nd styrofoam Layer	21	Y	Black Fibrous + Cementitious	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
87	B East Paper on 2nd styrofoam Layer	21	Y	Black Fibrous + Cementitious	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
88	B East Bottom Asphalt Rubber on Gypsum Decking	21	Y	Black Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12/18/23	Dino Fiore	1/5/2024	
QC:	Received by: Dino Fiore	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955

Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:

Project/Job#: 1H-23-1880

Collected by/Date: 12/16/23 DF, MM, LS, AK

Turn Around Time: ☐ 24hr ☐ 3-5 Days

Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Specific Location(s): Fairfield Woods

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogeneous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
89	B East Bottom asphalt Roofing on gypsum decking	21	Y	Black Fibrous + Cementitious	Y		0.01/0.05						10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
90	~~Gypsum~~ B East gypsum decking	21	Y	White Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
91	B East gypsum decking	21	Y	White Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
92	B East chimney flashing caulk	21	Y	Gray Caulking	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
93	B East chimney flashing caulk	21	Y	Gray Caulking	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
94	C west Edge Caulk	21	Y	Gray Caulking	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
95	C west Edge Caulk	21	Y	Gray Caulking	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
96	C west seam tar	21	Y	Black Cementitious	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12-18-23	Dino Fiore	1/5/2024	
QC:	Received by: Dino Fiore	Date: 12/18/23	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955

Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:

Project/Job#: 1H-23-1880

Collected by/Date: 12/6/23 DF, MM, LS, AK

Turn Around Time: ☐ 24hr ☐ 3-5 Days

Specific Location(s): Fairfield Woods

Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
97	C west seam tar	21	Y	Black Cementitious	Y		0.09/0.65						3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
98	C west main field top layer	21	Y	Black Fibrous + Cementitious	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
99	C west main field Bottom Insulation	21	Y	Black Fibrous + Cementitious	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
100	Pitch ~~coating~~ tar C west	21	Y	Gray/Black Cementitious	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
101	Pitch ~~coating~~ tar C west	21	Y	Gray/Black Cementitious	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
102	Hvac caulk C west	21	Y	Gray Caulking	Y								10% Cellulose / 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
103	Hvac caulk C west	21	Y	Gray Caulking	Y								10% Cellulose / 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
104	tar on top of Hvac C west	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12-18-23	Lisa Price	1/8/2024	
QC:	Received by: Lisa Price	Date: 12/18/23	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Bulk Asbestos (PLM) Analysis

Lab# 26955

Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr ☑ 3-5 Days
Specific Location(s): Fairfield Woods	1H-23-1880	12/16/23 DF, MM, LS, AK	Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
105	tar on top of HVAC C west	21	Y	Black Fibrous + Cementitious	Y		0.91/0.05						15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
106	C west top layer field	21	Y	Black Fibrous + Cementitious	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
107	C west felt below ~~tape~~ top layer field	21	Y	Black Fibrous + Cementitious	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
108	C west 1st layer 1/4" insulation top + bottom	21	Y	Gray Foam + Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
109	C west 1 1/2" Insulation top + bottom	21	Y	Yellow Foam	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
110	C west HVAC curb flashing top + ~~bottom~~	21	Y	Black Fibrous + Cementitious	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
111	C west HVAC Curb flashing bottom	21	Y	Black Fibrous + Cementitious	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
112	C west ~~tape~~ tar seam	21	Y	Black Fibrous + Cementitious	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12-18-23	Lisa Fuce	1/8/2024	
QC:	Received by:	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955

Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:

Project/Job#: 1H-23-1880

Collected by/Date: 12/16/23 DF, MM, LS, AK

Turn Around Time: ☐ 24hr ☑ 3-5 Days

Specific Location(s): Fairfield Woods

Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
113	C west top layer field	21	Y	Black Fibrous + cementitious	Y		0.01/1.65						20 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	80% Particulate	NAD
114	C west ~~top layer~~ Bottom Flt	21	Y	Black Fibrous + cementitious	Y								20 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	80 % Particulate	NAD
115	C west + 1/4" foam insulation top + bottom	21	Y	Black/Yellow Foam	Y								15 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	85 % Particulate	NAD
116	C west top + bottom layer of styrofoam insulation	21	Y	Black/Yellow Foam	Y								15 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	85 % Particulate	NAD
117	C west pitch boxes	21	Y	Black Rubbery	Y								10 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	90 % Particulate	NAD
118	C west pitch boxes	21	Y	Black Rubbery	Y								10 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	90 % Particulate	NAD
119	C west pitch boxes	21	Y	Black Rubbery	Y								10 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	90 % Particulate	NAD
120	C west seam tar.	21	Y	Black Cementitious	Y								5 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95 % Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12-18-23	Sino Price	1/8/2024	
QC:	Received by: Sino Price	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955

Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr ☐ 3-5 Days
Specific Location(s): Fairfield Woods	1H-23-1880	12/16/23 DF, MM, CS, AK	Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
121	C west chimney caulking	21	Y	Gray/Red Rubbery	Y		0.01/0.05						5 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	95 % Particulate	NAD
122	C west curb flashing top	21	Y	Black Fibrous + Cementitious	Y								10 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD
123	C west curb flashing felt	21	Y	Black Fibrous + Cementitious	Y								10 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD
124	C west HVAC top layer curb flashing	21	Y	Black Fibrous + Cementitious	Y								10 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD
125	C west HVAC curb flashing felt layer	21	Y	Black Fibrous + Cementitious	Y								10 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD
126	C west black roof top layer field	21	Y	Black Fibrous + Cementitious	Y								10 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD
127	C west black roof top layer edge flashing	21	Y	Black Fibrous Cementitious	Y								10 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD
128	C west black roof top layer HVAC curb flashing	21	Y	Black Fibrous + Cementitious	Y								10 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12-18-23	Dino Fice	1/8/2024	
QC:	Received by: Dino Fice	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955

Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:

Project/Job#: 1H-23-1880

Collected by/Date: 12/16/23 DF, MM, LS. AK

Turn Around Time: ☐ 24hr ☐ 3-5 Days

Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Specific Location(s): Fairfield Woods

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
129	C west black roof bottom layer thick curb flashing	21	Y	Black Rubbery + Cementitious	Y		0.01/0.65						10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
130	C west black roof seam tar	21	Y	Black Rubbery	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
131	A East Black roof Edge flashing top	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
132	A East Black roof Edge flashing bottom	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
133	A East Black Roof Seam tar	21	Y	Black Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
134	A East Black Roof field yellow glue attaching fiberboard to stryofoam	21	Y	Yellow/Brown Fibrous	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
135	A East Black Roof yellow glue attaching stryofoam to fiberbd	21	Y	Yellow/Brown Fibrous	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
136	A East Black Roof Top layer	21	Y	Black Fibrous + Cementitious	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	MM	12/18/23	Susan Fiore	1/8/2024	
QC:	Received by: Susan Fiore	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr ☐ 3-5 Days
Specific Location(s): Fairfield Woods	IH-23-1880	12/16/23 DF, MM, LS, AK	Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
137	A East Styrofoam Paper layer 1	21	Y	Yellow-Brown Fibrous	Y		0.01 / 0.05						20% Cellulose; 10% Fiberglass	Incomplete Extinction Isotropic	70% Particulate	NAD
138	A East styrofoam Paper layer 2	21	Y	Yellow-Brown Fibrous	Y								20% Cellulose; 10% Fiberglass	Incomplete Extinction Isotropic	70% Particulate	NAD
139	A East Styrofoam Paper layer 3	21	Y	Yellow-Brown Fibrous	Y								20% Cellulose; 10% Fiberglass	Incomplete Extinction Isotropic	70% Particulate	NAD
140	A East Styrofoam Paper layer 4	21	Y	Yellow-Brown Fibrous	Y								20% Cellulose; 10% Fiberglass	Incomplete Extinction Isotropic	70% Particulate	NAD
141	Fan unit caulk over c west	21	Y	Gray/White Caulking	Y								3% Cellulose; Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
142	Fan unit caulk c west	21	Y	Gray/White Caulking	Y								3% Cellulose; Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
143	Lower c west caulk	21	Y	D. Gray Caulking	Y								3% Cellulose; Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
144	Light gray caulk	21	Y	L. Gray Caulking	Y								3% Cellulose; Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	MM	12-18-23	Susan Price	1/8/2024	
QC:	Received by: Susan Price	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr ☐ 3-5 Days
Specific Location(s): Fairfield Woods	IH-23-1880	12/16/23 DF, MM, LS, AK	Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
145	White Caulk Bolt Holes- Green Louvers	21	Y	White Caulking	Y		0.01 / 0.05						3% Cellulose; Fiberglass	Incomplete; Extinction; Isotropic	97% Particulate	NAD
146	White Caulk Bolt Holes- Green Louvers	21	Y	White Caulking	Y								3% Cellulose; Fiberglass	Incomplete; Extinction; Isotropic	97% Particulate	NAD
147	Grey Ventilation Caulk Duct work (Silicone)	21	Y	White/Gray Caulking	Y								3% Cellulose; Fiberglass	Incomplete; Extinction; Isotropic	97% Particulate	NAD
148	Grey Ventilation Unit Itself Caulk (Silicone)	21	Y	Gray Caulking	Y								3% Cellulose; Fiberglass	Incomplete; Extinction; Isotropic	97% Particulate	NAD
149	Center Roof Main grey Field - Top Layer Roll on	21	Y	Black/Yellow Fibrous & Cementitious	Y								10% Cellulose; Fiberglass	Incomplete; Extinction; Isotropic	90% Particulate	NAD
150	Center Roof Bottom Felt on Top of Metal Roof Deck	21	Y	Black/Brown Fibrous	Y								10% Cellulose; Fiberglass	Incomplete; Extinction; Isotropic	90% Particulate	NAD
151	Paper Styrofoam Insulation Grey Main Roof	21	Y	Yellow/Brown Foam	Y								16% Cellulose; 10% Fiberglass	Incomplete; Extinction; Isotropic	80% Particulate	NAD
152	Paper Styrofoam Insulation- Curb Grey Roof Main	21	Y	Yellow/Brown Foam	Y								10% Cellulose; 10% Fiberglass	Incomplete; Extinction; Isotropic	80% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12/18/23	Dino Fiore	1/8/2024	
QC:	Received by: Dino Fiore	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form
Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr ☐ 3-5 Days
Specific Location(s): Fairfield Woods	IH-23-1880	12/16/23 DF, MM, LS, AK	Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
153	HVAC Curbing - Top layer grey Roll on center Roof	21	Y	Black Fibrous + Cementitious	Y		0.01/0.05						10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
154	HVAC Curbing - Multi Later Felt Beneath Grey Roll-on	21	Y	Black Fibrous + Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
155	HVAC - Pitch Pocket cement	21	Y	Black Cementitious	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
156	Northwest D side- Field Grey Roll on	21	Y	Gray/Black Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
157	Northwest D side- Felt Paper underlying	21	Y	Black/Yellow Fibrous	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
158	Northwest D side- Top Layer Insulation Field Paper	21	Y	Brown/Yellow Fibrous	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
159	Northwest D side- Top Layer Insulation Field Paper	21	Y	Black/Yellow Fibrous	Y								20% Cellulose / Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
160	Northwest D side- Edge Flashing Top layer	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	[signature]	12/18/23	Livio Fiore	1/9/2024	
QC:	Received by: Livio Fiore	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr ☐ 3-5 Days
Specific Location(s): Fairfield Woods	JH-23-1880	12/16/23 UF, MM, LS, AK	Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
161	Northwest D Side- Edge Middle Layer Flashing	21	Y	Black Fibres + Cementitious	Y		0.01/0.05						15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
162	Northwest D Side- Edge Bottom Layer Flashing	21	Y	Black Fibres + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
163	Northwest D Side- Curb Flashing Top Layer	21	Y	Black Fibres + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
164	Northwest D Side- Curb Flashing Bottom Layer	21	Y	Black Fibres + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
165	HVAC Electrical conduit pitch pocket for Northwest D	21	Y	Black Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
166	Pitch Pocket – HVAC support Angle Duct work	21	Y	Black Cementitious	Y								10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
167	North D Side- Grey Field Roll on	21	Y	Black Fibres + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
168	North D Side- Underlying Felt Beneath Field	21	Y	Black Fibres + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12/18/23	Dina Fiore	1/9/2024	
QC:	Received by: Dina Fiore	Date: 12/18/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr ☐ 3-5 Days
Specific Location(s): Farfield Woods	IH-23-1880	12/16/23 OF, MM, LS, AK	Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
169	quarter Inch styrofoam Beneath Top Later North side O Field grey	21	Y	Gray/Yellow Fibrous	Y		0.01/0.05						10% Cellulose; 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
170	North O side Field- styrofoam Paper top m grey	21	Y	Yellow/Brown Fibrous	Y								10% Cellulose; 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
171	North O side grey Field- styrofoam Paper second Layer	21	Y	Yellow/Brown Fibrous	Y								10% Cellulose; 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
172	North O side- Top Edge Flashing	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose; Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
173	North O side- Top Edge Flashing	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose; Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
174	North O side- Second Layer Edge Flashing	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose; Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
175	North O side- Grey Field Top Layer Roll on	21	Y	Black/Gray Fibrous + Cementitious	Y								15% Cellulose; Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
176	North O side- grey styrofoam quarter Inch Backing	21	Y	Gray Cementitious	Y								10% Cellulose; Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	[signature]	12/18/23	Dino Fiore	1/9/2024	
QC:	Received by: Dino Fiore	Date: 12/28/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26855
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:

Project/Job#: IH-23-1880

Collected by/Date: 12/16/23 OF, MM, LS, AK

Turn Around Time: ☐ 24hr ☐ 3-5 Days

Specific Location(s): Farfield Woods

Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
177	North D side Field- Top Layer stratofoam Paper	21	Y	Yellow/Brown Fibrous	Y		0.01/0.05						10 % Cellulose Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD
178	North D side Field- Second Layer stratofoam Paper	21	Y	Yellow Foam	Y								10 % Cellulose Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD
179	North D side- Roof Hatch curbing Flashing	21	Y	Black Fibrous + Cementitious	Y								15 % Cellulose Fiberglass	Incomplete Extinction Isotropic	85 % Particulate	NAD
180	North D side- Roof Hatch curb middle felt	21	Y	Black Fibrous + Cementitious	Y								15 % Cellulose Fiberglass	Incomplete Extinction Isotropic	85 % Particulate	NAD
181	North D side- Roof Hatch curb Bottom Flashing	21	Y	Black Fibrous + Cementitious	Y								15 % Cellulose Fiberglass	Incomplete Extinction Isotropic	85 % Particulate	NAD
182	North D side- Edge Flashing Top Layer	21	Y	Black Fibrous + Cementitious	Y								15 % Cellulose Fiberglass	Incomplete Extinction Isotropic	85 % Particulate	NAD
183	North D side- Edge Flashing Middle Layer	21	Y	Black Cementitious	Y								10 % Cellulose Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD
184	North D side- Edge Flashing Bottom Layer	21	Y	Black Cementitious	Y								10 % Cellulose Fiberglass	Incomplete Extinction Isotropic	90 % Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:		12-18-23	Dino Fiore	1/9/2024	
QC:	Received by: Dino Fiore	Date: 12-18-2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form
Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr ☐ 3-5 Days
Specific Location(s): Fairfield Woods	IH-23-1880	12/16/23 DF, MM, LS, AK	Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
185	North D side- Seam caulk Parapet wall cap	21	Y	Black/Yellow Caulking	Y		0.01/0.65						5% Cellulose; Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
186	North D side- Seam caulk Parapet wall cap	21	Y	Black/Grey Caulking	Y								5% Cellulose; Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
187	C west - Black Roll on Field	21	Y	Black Fibrous & Cementitious	Y								10% Cellulose; Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
188	C west Field - Yellow Glue Attaches to Fiber Board to Styrofoam Field	21	Y	Yellow Glue/Foam	Y								10% Cellulose; 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
189	C west Field - Yellow Glue Attaches to Fiber Board to Styrofoam Field	21	Y	Yellow Glue	Y								5% Cellulose; Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
190	C west - Top Styrofoam Paper Layer Field	21	Y	Yellow/Brown Fibrous	Y								10% Cellulose; 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
191	C west - Second Styrofoam Paper Layer Field	21	Y	Yellow/Brown Fibrous	Y								10% Cellulose; 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
192	C west - Black Edge Flashing with attached Felt	21	Y	Black Fibrous & Cementitious	Y								15% Cellulose; Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	[signature]	12-18-23	[signature]	1/9/2024	
QC:	Received by: [signature]	Date: 12-18-2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:

Project/Job#: IH-23-1880

Collected by/Date: 12/16/23 DF, MM, LS, AK

Turn Around Time: ☐ 24hr ☐ 3-5 Days

Specific Location(s): Fairfield Woods

Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
193	B- South corner Black Roll on Field	21	Y	Black Fibrous + Cementitious	Y		0.01/.05						15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
194	B- South corner Felt Layer yellow Glue attached to Black Roll-on	21	Y	Yellow Glue/Foam	Y								10% Cellulose / 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
195	B- South corner Felt Field Layer Yellow Glue Attached to Black Roll on	21	Y	Yellow Glue & Foam	Y								10% Cellulose / 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
196	B- South Styrofoam corner Paper Top Layer Field	21	Y	Yellow/Black Foam	Y								10% Cellulose / 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
197	B- South Styrofoam Corner Second Layer Field	21	Y	Yellow/Black Foam	Y								10% Cellulose / 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
198	B- South Edge Corner Flashing Black	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
199	B- South Corner Skylight curb flashing First layer (Black)	21	Y	Black Fibrous + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD
200	B- South corner Skylight curb flashing second Layer (Black)	21	Y	Black Fibers + Cementitious	Y								15% Cellulose / Fiberglass	Incomplete Extinction Isotropic	85% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	MM	12-18-23	Dino Fiore	1/9/2024	
QC:	Received by: Dino Fiore	Date: 12-18-2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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470 Murdock Avenue
Meriden, CT 06450

Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 26955

Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Specific Location(s): Farfield Woods	FH-23-1880	12/16/23 DF, MM, LS, AK	☐ 24hr ☐ 3-5 Days
			Sampling Method: ☐ 40 CFR Part 763.86 ☐ 20 CFR Part 1926.1101 ☐ EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
201	13- South Joint sealer skylight curb (Black)	21	Y	Black Fibrous Cementitious	Y		0.01/.005						10% Cellulose / Fiberglass	Incomplete Extinction Isotropic	90% Particulate	NAD
													Cellulose / Fiberglass	Incomplete Extinction Isotropic	Particulate	
													Cellulose / Fiberglass	Incomplete Extinction Isotropic	Particulate	
													Cellulose / Fiberglass	Incomplete Extinction Isotropic	Particulate	
													Cellulose / Fiberglass	Incomplete Extinction Isotropic	Particulate	
													Cellulose / Fiberglass	Incomplete Extinction Isotropic	Particulate	
													Cellulose / Fiberglass	Incomplete Extinction Isotropic	Particulate	
													Cellulose / Fiberglass	Incomplete Extinction Isotropic	Particulate	

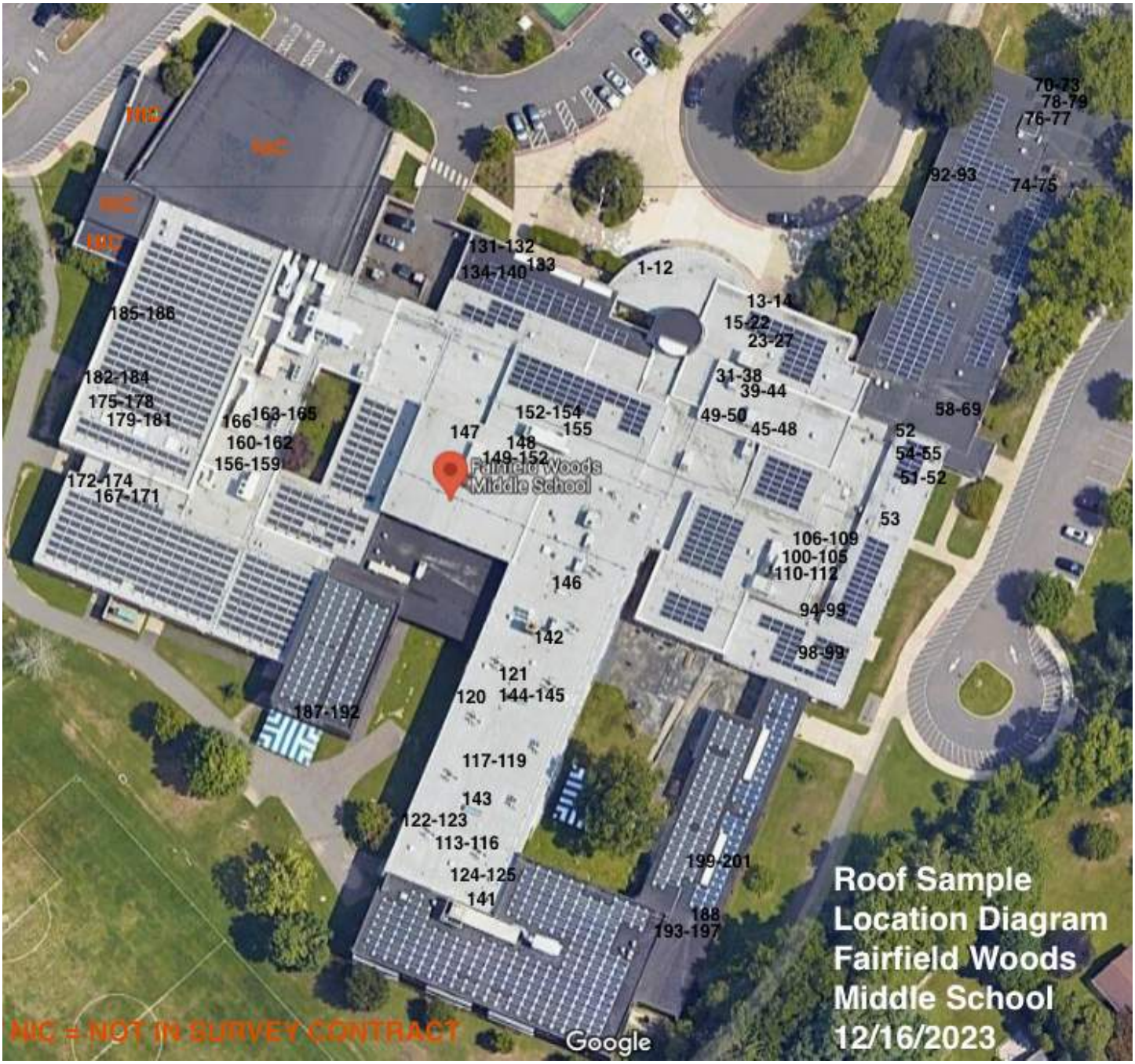
The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:					
Reference Slide:	Relinquished by: [signature]	Date: 12-18-23	Analyzed by: Sino Fuice	Date: 1/9/2024	Additional Comments:
QC:	Received by: Sino Fuice	Date: 12-18-23	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

IV. SAMPLE LOCATION PLAN


NIC
NIC
NIC
185-186
182-184
175-178
179-181
172-174
167-171
166
163-165
160-162
156-159
131-132
134-140
133
1-12
13-14
15-22
23-27
31-38
39-44
49-50
45-48
52
54-55
51-52
53
58-69
70-73
78-79
76-77
92-93
74-75
152-154
155
147
148
149-152
Fairfield Woods
Middle School
106-109
100-105
110-112
94-99
98-99
146
142
121
120
144-145
187-192
117-119
143
122-123
113-116
124-125
141
199-201
188
193-197
NIC = NOT IN SURVEY CONTRACT
Google
Roof Sample
Location Diagram
Fairfield Woods
Middle School
12/16/2023

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Asbestos Interior Inspection Report

Main Entrance Area

Walls

Ceilings

Above Ceilings

For

Fairfield Woods Middle School
111 Fairfield Woods Road
Fairfield, CT

Prepared For
Woodard & Curran
40 Shattuck Road, Suite 110
Andover, MA 01810

DD - DRAFT SUBMISSION

Date of Inspection:
December 27-28, 2023

EnviroMed Project
#IH-23-1880

EnviroMed Services, Inc.
470 Murdock Ave., Meriden, CT 06450
Telephone (203) 238-4846• Facsimile (203) 238-4243

TABLE OF CONTENTS

I. PROJECT NARRATIVE

Overview

On December 27-28, 2023, EnviroMed Services Connecticut-licensed asbestos inspector Gino Fiore, (license #1132), performed a limited interior asbestos inspection at Fairfield Woods Middle School, 111 Fairfield Woods Road, Fairfield, Connecticut. The primary focus of the inspection was on ceiling types, wall types, and materials above ceilings that would be disturbed by planned HVAC renovations. The second focus of the inspection was on materials in the Main Entrance Area, where a renovation is planned. See attached sample location plan for which sections of the school were excluded from the inspection (shaded in gray).

Samples were collected according to 40 CFR Part 763.86 and 29 CFR Part 1926.1101 and analyzed using Polarized Light Microscopy (PLM).

A total of one hundred fifty-seven (157) bulk samples were collected and analyzed.

Summary of Results

EnviroMed Services Inc. accredited asbestos laboratory analyzed the bulk samples. The complete laboratory report can be found in Section III. The following asbestos-containing (≥1% asbestos) materials were found in the school sections surveyed:

Main Entrance Area

Asbestos-Containing Materials Found:

None

Materials Found to be Non-Asbestos:

Black window caulking

Black door caulking

Tan caulking

Gray expansion joint caulking

Black rubber caulking between windows & doors

4” gray vinyl base & associated glue

4” blue vinyl base & associated glue

Black paper wrap on fiberglass pipe insulation

Worm pattern suspended ceiling tiles

Birds feet pattern suspended ceiling tiles

Carpet glue

12” white vinyl floor tile & associated glue

Textured concrete

Mortar for brick walls

Gray exterior caulking

Wallboard & associated joint compound

Renovation Areas

Asbestos-Containing Wall & Ceiling Materials Found:

None

Wall & Ceiling Materials Found to be Non-Asbestos:

2x4 Birds Feet Pattern Ceiling Tiles

2x4 Worm Pattern Ceiling Tiles

2x4 Smooth Ceiling Tiles

2x2 Ceiling Tiles

1x1 Pinhole Ceiling Tiles

Ceiling Board & Joint Compound

Wallboard & Joint Compound

Wall plaster – Skim & Base Coat

Durrock Gypsum Board

Asbestos-Containing Materials Found Above Ceilings:

None

II. SAMPLE LOG AND RESULTS TABLE

Sample #	Sample Location	Material Sampled	Percent Asbestos
1	A Wing Classroom A140	Wallboard	NAD
2	A Wing Classroom A150	Wallboard	NAD
3	A Wing Classroom A131	Wallboard	NAD
4	A Wing Classroom A140	Wallboard	NAD
5	A Wing Classroom A150	Wallboard Joint Compound	NAD
6	A Wing Classroom A131	Wallboard Joint Compound	NAD
7	A Wing Classroom A140	Wallboard Joint Compound	NAD
8	A Wing Classroom A129	Ceiling Tile – Birds Feet Pattern	NAD
9	A Wing Classroom A140	Ceiling Tile – Birds Feet Pattern	NAD
10	A Wing Classroom A150	Ceiling Tile – Worm Pattern	NAD
11	A Wing Classroom A124	Ceiling Tile – Worm Pattern	NAD
12	A Wing Classroom A142	2x2 Ceiling Tile	NAD
13	A Wing Classroom A142	2x2 Ceiling Tile	NAD
14	A Wing Boys Bathroom A122	Ceiling Joint Compound	NAD
15	A Wing Room A117	Ceiling Joint Compound	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
16	A Wing Boys Bathroom A122	Ceiling Board	NAD
17	A Wing Room A117	Ceiling Board	NAD
18	A Wing Classroom A148	Wall Plaster – Skim Coat	NAD
19	A Wing Classroom A148	Wall Plaster – Skim Coat	NAD
20	A Wing Classroom A150	Wall Plaster – Skim Coat	NAD
21	A Wing Classroom A148	Wall Plaster – Base Coat	NAD
22	A Wing Classroom A148	Wall Plaster – Base Coat	NAD
23	A Wing Classroom A150	Wall Plaster – Base Coat	NAD
24	A Wing Classroom A153	Wallboard Joint Compound	NAD
25	A Wing Classroom A153	Wallboard Joint Compound	NAD
26	A Wing Classroom A153	Wallboard	NAD
27	A Wing Classroom A153	Wallboard	NAD
28	B Wing Classroom B137	2x4 Birds Feet Pattern Ceiling Tile	NAD
29	B Wing Classroom B134	2x4 Worm Pattern Ceiling Tile	NAD
30	B Wing Classroom B136	2x4 Worm Pattern Ceiling Tile	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
31	B Wing Classroom B131	2x4 Worm Pattern Ceiling Tile	NAD
32	B Wing Classroom B137	Wallboard Joint Compound	NAD
33	B Wing Classroom B135	Wallboard Joint Compound	NAD
34	B Wing Classroom B133	Wallboard Joint Compound	NAD
35	B Wing Classroom B131	Wallboard Joint Compound	NAD
36	B Wing Classroom B130	Wallboard Joint Compound	NAD
37	B Wing Classroom B137	Wallboard	NAD
38	B Wing Classroom B135	Wallboard	NAD
39	B Wing Classroom B133	Wallboard	NAD
40	B Wing Classroom B137	Wall Plaster – Skim Coat	NAD
41	B Wing Classroom B136	Wall Plaster – Skim Coat	NAD
42	B Wing Classroom B132	Wall Plaster – Skim Coat	NAD
43	B Wing Classroom B131	Wall Plaster – Skim Coat	NAD
44	B Wing Classroom B130	Wall Plaster – Skim Coat	NAD
45	B Wing Classroom B137	Wall Plaster – Base Coat	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
46	B Wing Classroom B136	Wall Plaster – Base Coat	NAD
47	B Wing Classroom B132	Wall Plaster – Base Coat	NAD
48	B Wing Classroom B131	Wall Plaster – Base Coat	NAD
49	B Wing Classroom B130	Wall Plaster – Base Coat	NAD
50	B Wing Classroom B112	2x4 Smooth Ceiling Tiles	NAD
51	B Wing Classroom B112	2x4 Smooth Ceiling Tiles	NAD
52	C Wing Classroom C101 Fitness Room	Wall Plaster – Skim Coat	NAD
53	C Wing Classroom C101 Fitness Room	Wall Plaster – Skim Coat	NAD
54	C Wing Classroom C103	Wall Plaster – Skim Coat	NAD
55	C Wing Classroom C103	Wall Plaster – Skim Coat	NAD
56	C Wing Classroom C101 Fitness Room	Wall Plaster – Base Coat	NAD
57	C Wing Classroom C103	Wall Plaster – Base Coat	NAD
58	C Wing Classroom C103	Wall Plaster – Base Coat	NAD
59	C Wing Classroom C113	Wallboard	NAD
60	C Wing Classroom C115	Wallboard	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
61	C Wing Classroom C113	Wallboard	NAD
62	C Wing Classroom C171	Wallboard	NAD
63	C Wing Classroom C113	Wallboard Joint Compound	NAD
64	C Wing Classroom C115	Wallboard Joint Compound	NAD
65	C Wing Classroom C113 Storage Rm	Wallboard Joint Compound	NAD
66	C Wing Classroom C117	Wallboard Joint Compound	NAD
67	C Wing Classroom C113	2x4 Birds Feet Pattern Ceiling Tile	NAD
68	C Wing Corridor	2x4 Birds Feet Pattern Ceiling Tile	NAD
69	C Wing Corridor	2x4 Worm Pattern Ceiling Tile	NAD
70	C Wing Classroom C171	2x4 Worm Pattern Ceiling Tile	NAD
71	C Wing Outside Gym	1x1 Pinhole Ceiling Tile	NAD
72	C Wing Outside Gym	1x1 Pinhole Ceiling Tile	NAD
73	C Wing Mens Bath C176	Wallboard	NAD
74	C Wing Womens Bath C178	Wallboard	NAD
75	C Wing Mens Bath C176	Wallboard Joint Compound	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
76	C Wing Womens Bath C176	Wallboard Joint Compound	NAD
77	C Wing Room C155	1x1 Ceiling Tile	NAD
78	C Wing Room C155	1x1 Ceiling Tile	NAD
79	C Wing Classroom C141	Ceiling Board	NAD
80	C Wing Classroom C141	Ceiling Board Joint Compound	NAD
81	A Wing Classroom A148	Brown Glue Dots	NAD
82	A Wing Classroom A148	Brown Glue Dots	NAD
83	A Wing Classroom A148	Brown Glue Dots	NAD
84	2nd Floor – Room 201	2x4 Worm Pattern Ceiling Tile	NAD
85	2nd Floor – Room 210	2x4 Worm Pattern Ceiling Tile	NAD
86	2nd Floor – Corridor	2x4 Birds Feet Pattern Ceiling Tile	NAD
87	2nd Floor – Room 205	2x4 Birds Feet Pattern Ceiling Tile	NAD
88	2nd Floor – Room 201	Wallboard	NAD
89	2nd Floor – Room 212	Wallboard	NAD
90	2nd Floor – Room 201	Wallboard Joint Compound	NAD

NAD = No Asbestos Detected

Sample #	Sample Location	Material Sampled	Percent Asbestos
91	2nd Floor – Room 212	Wallboard Joint Compound	NAD
92	2nd Floor – Room 203	Wall Plaster – Skim Coat	NAD
93	2nd Floor – Room 203	Wall Plaster – Skim Coat	NAD
94	2nd Floor – Room 203	Wall Plaster – Base Coat	NAD
95	2nd Floor – Room 203	Wall Plaster – Base Coat	NAD
96	Main Lobby Vestibule	Black Window Caulking	NAD
97	Main Lobby Vestibule	Black Window Caulking	NAD
98	Main Lobby Vestibule	Black Window Caulking	NAD
99	Main Lobby Vestibule	Black Window Caulking	NAD
100	Main Lobby Vestibule	Black Window Caulking	NAD
101	Main Lobby Vestibule	Black Door Caulking	NAD
102	Main Lobby Vestibule	Black Door Caulking	NAD
103	Main Lobby Vestibule	Black Door Caulking	NAD
104	Main Lobby Vestibule	Black Door Caulking	NAD
105	Main Lobby Vestibule	Tan Caulking	NAD

Sample #	Sample Location	Material Sampled	Percent Asbestos
106	Main Lobby Vestibule	Tan Caulking	NAD
107	Main Lobby Vestibule	Gray Expansion Joint Caulk	NAD
108	Main Lobby Vestibule	Gray Expansion Joint Caulk	NAD
109	Main Lobby Vestibule	Gray Expansion Joint Caulk	NAD
110	Main Lobby Vestibule	Black Rubber Caulking Between Windows & Doors	NAD
111	Main Lobby Vestibule	Black Rubber Caulking Between Windows & Doors	NAD
112	Main Lobby Vestibule	Black Rubber Caulking Between Windows & Doors	NAD
113	Main Lobby Vestibule	4” Gray Vinyl Base	NAD
114	Main Lobby Vestibule	4” Gray Vinyl Base	NAD
115	Main Lobby Vestibule	Glue for 4” Gray Vinyl Base	NAD
116	Main Lobby Vestibule	Glue for 4” Gray Vinyl Base	NAD
117	Main Lobby Vestibule	Glue for 4” Gray Vinyl Base	NAD
118	Main Lobby Vestibule	Black Paper Pipe Insulation Backing	NAD
119	Main Lobby Vestibule	Black Paper Pipe Insulation Backing	NAD
120	Main Lobby Vestibule	2x4 Worm Pattern Ceiling Tile	NAD

Sample #	Sample Location	Material Sampled	Percent Asbestos
121	Main Lobby Vestibule	2x4 Worm Pattern Ceiling Tile	NAD
122	Main Lobby Vestibule	2x4 Birds Feet Pattern Ceiling Tile	NAD
123	Main Lobby Vestibule	2x4 Birds Feet Pattern Ceiling Tile	NAD
124	Main Lobby Vestibule	4” Blue Vinyl Base	NAD
125	Main Lobby Vestibule	4” Blue Vinyl Base	NAD
126	Main Lobby Vestibule	Glue for 4” Blue Vinyl Base	NAD
127	Main Lobby Vestibule	Glue for 4” Blue Vinyl Base	NAD
128	Main Lobby Vestibule	Glue for 4” Blue Vinyl Base	NAD
129	Main Lobby Vestibule	Carpet Glue	NAD
130	Main Lobby Vestibule	Carpet Glue	NAD
131	Main Lobby Vestibule	12” White Vinyl Floor Tile	NAD
132	Main Lobby Vestibule	12” White Vinyl Floor Tile	NAD
133	Main Lobby Vestibule	Glue for 12” White Vinyl Floor Tile	NAD
134	Main Lobby Vestibule	Glue for 12” White Vinyl Floor Tile	NAD

Sample #	Sample Location	Material Sampled	Percent Asbestos
135	Main Lobby Vestibule	Glue for 12” White Vinyl Floor Tile	NAD
136	Main Lobby Vestibule	Textured Cement	NAD
137	Main Lobby Vestibule	Textured Cement	NAD
138	Main Lobby Vestibule	Textured Cement	NAD
139	Main Lobby Vestibule	Mortar for Brick Wall	NAD
140	Main Lobby Vestibule	Mortar for Brick Wall	NAD
141	Main Lobby Vestibule	Gray Caulking	NAD
142	Main Lobby Vestibule	Gray Caulking	NAD
143	2nd Floor – Room 210	Wall Plaster – Skim Coat	NAD
144	2nd Floor – Room 211	Wall Plaster – Skim Coat	NAD
145	2nd Floor – Room 213	Wall Plaster – Skim Coat	NAD
146	2nd Floor – Room 214	Wall Plaster – Skim Coat	NAD
147	2nd Floor – Corridor	Wall Plaster – Skim Coat	NAD
148	2nd Floor – Room 210	Wall Plaster – Base Coat	NAD
149	2nd Floor – Room 211	Wall Plaster – Base Coat	NAD

Sample #	Sample Location	Material Sampled	Percent Asbestos
150	2nd Floor – Room 213	Wall Plaster – Base Coat	NAD
151	2nd Floor – Room 214	Wall Plaster – Base Coat	NAD
152	2nd Floor – Corridor	Wall Plaster – Base Coat	NAD
153	2nd Floor – Room 213	Wallboard Joint Compound	NAD
154	2nd Floor – Room 214	Wallboard Joint Compound	NAD
155	2nd Floor – Room 217	Wallboard Joint Compound	NAD
156	2nd Floor – Room 217	Durrock Gypsum Board	NAD
157	2nd Floor – Room 217	Durrock Gypsum Board	NAD

III. LABORATORY ANALYSIS REPORT

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Phone: (203) 238-4846 Fax: (203) 238-4243

Laboratory Analysis Report

Asbestos – Bulk

To: Woodard and Curran
40 Shattuck Road, Suite 110
Andover, MA, 01810

Project #: IH-23-1880

Lab #:	**27002**
Date Collected:	12/27-28/2023
Date Received:	12/29/2023
Date Analyzed:	1/9-11/2024
Date Report Prepared:	1/18/2024

Analysis: Asbestos Fiber Content
Analysis Type: Asbestos by Polarized Light Microscopy
Location: 111 Fairfield Woods Roads, Fairfield, CT – **Interior**

Test Methods: U.S. Environmental Protection Agency (EPA) Interim Method for the Determination of Asbestos In Bulk Insulation Samples (EPA600/M4-82-020) as found in 40 CFR, Part 763, Appendix E to Subpart or the current U.S. EPA method for the analysis of asbestos in building material.

U.S. Environmental Protection Agency's Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey.

Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
1	A-Wing Classroom A140 | Drywall Joint Compound	White Compound	No Asbestos Detected
2	A-Wing Classroom A150 | Drywall Joint Compound	White Compound	No Asbestos Detected
3	A-Wing Classroom A131 | Drywall Joint Compound	White Compound	No Asbestos Detected
4	A-Wing Classroom A140 | Drywall	Gray Cementitious	No Asbestos Detected
5	A-Wing Classroom A150 | Drywall	Gray Cementitious	No Asbestos Detected
6	A-Wing Classroom A131 | Drywall	Gray Cementitious	No Asbestos Detected
7	A-Wing Classroom A140 | Birds Feet Ceiling Tile	White/Gray Fibrous	No Asbestos Detected
8	A-Wing Classroom A129 | Birds Feet Ceiling tile	White/Gray Fibrous	No Asbestos Detected
9	A-Wing Classroom A140 | Worm Pattern Ceiling Tile	White/Gray Fibrous	No Asbestos Detected
10	A-Wing Classroom A150 | Worm Pattern Ceiling Tile	White/Gray Fibrous	No Asbestos Detected
11	A-Wing Classroom A124 | Worm Pattern Ceiling Tile	White/Gray Fibrous	No Asbestos Detected
12	A-Wing Classroom A142 | 2'x 2' SCT	White/Gray Fibrous	No Asbestos Detected
13	A-Wing Classroom A142 | 2'x 2' SCT	White/Gray Fibrous	No Asbestos Detected
14	A-Wing A122 Boys Bathroom | Ceiling Compound	White Compound	No Asbestos Detected
15	A-Wing A117 | Ceiling Compound	White Compound	No Asbestos Detected
16	A-Wing A122 Boys Bathroom | Ceiling Board	Gray Cementitious	No Asbestos Detected
17	A-Wing A117 | Ceiling Board	Gray Cementitious	No Asbestos Detected

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Phone: (203) 238-4846 Fax: (203) 238-4243

Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
18	A-Wing Classroom A148 | Plaster Skim Coat	White Plaster	No Asbestos Detected
19	A-Wing Classroom A148 | Plaster Skim Coat	White Plaster	No Asbestos Detected
20	A-Wing Classroom A150 | Plaster Skim Coat	White Plaster	No Asbestos Detected
21	A-Wing Classroom A148 | Plaster Rough Coat	Gray Cementitious	No Asbestos Detected
22	A-Wing Classroom A148 | Plaster Rough Coat	Gray Cementitious	No Asbestos Detected
23	A-Wing Classroom A150 | Plaster Rough Coat	Gray Cementitious	No Asbestos Detected
24	A-Wing Classroom A153 | Wall Joint Compound	White Compound	No Asbestos Detected
25	A-Wing Classroom A153 | Wall Joint Compound	White Compound	No Asbestos Detected
26	A-Wing Classroom A153 | Drywall	Gray Cementitious	No Asbestos Detected
27	A-Wing Classroom A153 | Drywall	Gray Cementitious	No Asbestos Detected
28	B-Wing Classroom B137 | 2' x 4' Birds Feet SCT	White/Gray Fibrous	No Asbestos Detected
29	B-Wing Classroom B134 | 2' x 4' Worm Pattern SCT	White/Gray Fibrous	No Asbestos Detected
30	B-Wing Classroom B136 | 2' x 4' Worm Pattern SCT	White/Gray Fibrous	No Asbestos Detected
31	B-Wing Classroom B131 | 2' x 4' Worm Pattern SCT	White/Gray Fibrous	No Asbestos Detected
32	B-Wing Classroom B137 | Wall Joint Compound	White Fibrous	No Asbestos Detected
33	B-Wing Classroom B135 | Wall Joint Compound	White Compound	No Asbestos Detected
34	B-Wing Classroom B133 | Wall Joint Compound	White Compound	No Asbestos Detected
35	B-Wing Classroom B131 | Wall Joint Compound	White Compound	No Asbestos Detected
36	B-Wing Classroom B130 | Wall Joint Compound	White Compound	No Asbestos Detected
37	B-Wing Classroom B137 | Drywall	Gray Cementitious	No Asbestos Detected
38	B-Wing Classroom B135 | Drywall	Gray Cementitious	No Asbestos Detected
39	B-Wing Classroom B133 | Drywall	White Plaster	No Asbestos Detected
40	B-Wing Classroom B137 | Plaster Skim Coat	White Plaster	No Asbestos Detected
41	B-Wing Classroom B136 | Plaster Skim Coat	White Plaster	No Asbestos Detected
42	B-Wing Classroom B132 | Plaster Skim Coat	White Plaster	No Asbestos Detected

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Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
43	B-Wing Classroom B131 | Plaster Skim Coat	White Plaster	No Asbestos Detected
44	B-Wing Classroom B130 | Plaster Skim Coat	White Plaster	No Asbestos Detected
45	B-Wing Classroom B137 | Plaster Base Coat	Gray Cementitious	No Asbestos Detected
46	B-Wing Classroom B136 | Plaster Base Coat	Gray Cementitious	No Asbestos Detected
47	B-Wing Classroom B132 | Plaster Base Coat	Gray Cementitious	No Asbestos Detected
48	B-Wing Classroom B131 | Plaster Base Coat	Gray Cementitious	No Asbestos Detected
49	B-Wing Classroom B130 | Plaster Base Coat	Gray Cementitious	No Asbestos Detected
50	B-Wing Classroom B112 | 2' x 4' Smooth SCT	White/Gray Fibrous	No Asbestos Detected
51	B-Wing Classroom B112 | 2' x 4' Smooth SCT	White/Gray Fibrous	No Asbestos Detected
52	C-Wing Classroom C-101 Fitness Room | Plaster Skim Coat	White Plaster	No Asbestos Detected
53	C-Wing Classroom C-101 Fitness Room | Plaster Skim Coat	White Plaster	No Asbestos Detected
54	C-Wing Classroom C-103 | Plaster Skim Coat	White Plaster	No Asbestos Detected
55	C-Wing Classroom C-103 | Plaster Skim Coat	White Plaster	No Asbestos Detected
56	C-Wing Classroom C-101 Fitness Room | Plaster Rough Coat	Gray Cementitious	No Asbestos Detected
57	C-Wing Classroom C-103 | Plaster Rough Coat	Gray Cementitious	No Asbestos Detected
58	C-Wing Classroom C-103 | Plaster Rough Coat	Gray Cementitious	No Asbestos Detected
59	C-Wing Classroom C-113 | Drywall	Light Gray Cementitious	No Asbestos Detected
60	C-Wing Classroom C-115 | Drywall	Light Gray Cementitious	No Asbestos Detected
61	C-Wing Classroom C-113 Storage Room | Drywall	Light Gray Cementitious	No Asbestos Detected
62	C-Wing Classroom C-171 | Drywall	Light Gray Cementitious	No Asbestos Detected
63	C-Wing Classroom C-113 | Drywall Joint Compound	White Compound	No Asbestos Detected
64	C-Wing Classroom C-115 | Drywall Joint Compound	White Compound	No Asbestos Detected
65	C-Wing Classroom C-113 Storage Room | Drywall Joint Compound	White Compound	No Asbestos Detected
66	C-Wing Classroom C-117| Drywall Joint Compound	White Compound	No Asbestos Detected
67	C-Wing Classroom C-113 | Birds Feet SCT	White/Gray Fibrous	No Asbestos Detected

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Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
68	C-Wing Classroom Corridor | Birds Feet SCT	White/Gray Fibrous	No Asbestos Detected
69	C-Wing Classroom Corridor | Worm Pattern SCT	White/Gray Fibrous	No Asbestos Detected
70	C-Wing Classroom C-171 | Worm Pattern SCT	White/Gray Fibrous	No Asbestos Detected
71	C-Wing Outside Gym | 1x1 Pinhole Ceiling	White/Gray Fibrous	No Asbestos Detected
72	C-Wing Outside Gym | 1x1 Pinhole Ceiling	White/Gray Fibrous	No Asbestos Detected
73	C-Wing Room C-176 Men's Bathroom | Drywall	Light Gray Cementitious	No Asbestos Detected
74	C-Wing Room C-178 Women's Bathroom | Drywall	Light Gray Cementitious	No Asbestos Detected
75	C-Wing Room C-176 Men's Bathroom | Drywall Joint Compound	White Compound	No Asbestos Detected
76	C-Wing Room C-176 Women's Bathroom | Drywall Joint Compound	White Compound	No Asbestos Detected
77	C-Wing Room C-155 | 1x1 SCT	White Fibrous	No Asbestos Detected
78	C-Wing Room C-155 | 1x1 SCT	White/Gray Fibrous	No Asbestos Detected
79	C-Wing Room C-144 | Ceiling Board	Light Gray Cementitious	No Asbestos Detected
80	C-Wing Room C-141 | Ceiling Board Joint Compound	White Compound	No Asbestos Detected
81	A-Wing Classroom A148 | Glue Dots	Brown Glue	No Asbestos Detected
82	A-Wing Classroom A148 | Glue Dots	Brown Glue	No Asbestos Detected
83	A-Wing Classroom A148 | Glue Dots	Brown Glue	No Asbestos Detected
84	2nd Floor Room 201 | 2x4 Worm Pattern SCT	White/Gray Fibrous	No Asbestos Detected
85	2nd Floor Room 210 | 2x4 Worm Pattern SCT	White/Gray Fibrous	No Asbestos Detected
86	2nd Floor Corridor | 2x4 Bird Feet SCT	White/Gray Fibrous	No Asbestos Detected
87	2nd Floor Room 205 | 2x4 Birds Feet SCT	White/Gray Fibrous	No Asbestos Detected
88	2nd Floor Room 201 | Drywall	Gray Cementitious	No Asbestos Detected
89	2nd Floor Room 212 | Drywall	White Cementitious	No Asbestos Detected
90	2nd Floor Room 201 | Drywall Joint Compound	White Compound	No Asbestos Detected
91	2nd Floor Room 212 | Drywall Joint Compound	White Compound	No Asbestos Detected
92	2nd Floor Room 203 | Plaster Skim Coat	Whie Plaster	No Asbestos Detected

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Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
93	2nd Floor Room 203 | Plaster Skim Coat	White Plaster	No Asbestos Detected
94	2nd Floor Room 2023 | Plaster Rough Coat	Gray Cementitious	No Asbestos Detected
95	2nd Floor Room 203 | Plaster Rough Coat	Gray Cementitious	No Asbestos Detected
96	Vestibule | Black Window Caulking	Black Rubbery	No Asbestos Detected
97	Vestibule | Black Window Caulking	Black Rubbery	No Asbestos Detected
98	Vestibule | Black Window Caulking	Black Rubbery	No Asbestos Detected
99	Vestibule | Black Window Caulking	Black Rubbery	No Asbestos Detected
100	Vestibule | Black Window Caulking	Black Rubbery	No Asbestos Detected
101	Vestibule | Black Door Caulking	Black Caulking	No Asbestos Detected
102	Vestibule | Black Door Caulking	Black Caulking	No Asbestos Detected
103	Vestibule | Black Door Caulking	Black Caulking	No Asbestos Detected
104	Vestibule | Black Door Caulking	Black Caulking	No Asbestos Detected
105	Vestibule | Tan Caulking	Tan Caulking	No Asbestos Detected
106	Vestibule | Tan Caulking	Tan Caulking	No Asbestos Detected
107	Vestibule | Gray Expansion Caulking	Gray Caulking	No Asbestos Detected
108	Vestibule | Gray Expansion Caulking	Gray Caulking	No Asbestos Detected
109	Vestibule | Gray Expansion Caulking	Gray Caulking	No Asbestos Detected
110	Vestibule | Rubber Caulking Between Windows and Doors	Black Caulking	No Asbestos Detected
111	Vestibule | Rubber Caulking Between Windows and Doors	Black Caulking	No Asbestos Detected
112	Vestibule | Rubber Caulking Between Windows and Doors	Black Caulking	No Asbestos Detected
113	Vestibule | 4" Gray Vinyl Cove Base	Gray Rubbery	No Asbestos Detected
114	Vestibule | 4" Gray Vinyl Cove Base	Gray Rubbery	No Asbestos Detected
115	Vestibule | 4" Gray Vinyl Cove Base Glue	Tan Glue	No Asbestos Detected
116	Vestibule | 4" Gray Vinyl Cove Base Glue	Tan Glue	No Asbestos Detected
117	Vestibule | 4" Gray Vinyl Cove Base Glue	Tan Glue	No Asbestos Detected

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Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
118	Vestibule | Insulation Paper Backing	Black Fibrous	No Asbestos Detected
119	Vestibule | Insulation Paper Back	Black Fibrous	No Asbestos Detected
120	Vestibule | Worm Pattern SCT	White/Gray Fibrous	No Asbestos Detected
121	Vestibule | Worm Pattern SCT	White/Gray Fibrous	No Asbestos Detected
122	Vestibule | Birds Feet SCT	White/Gray Fibrous	No Asbestos Detected
123	Vestibule | Birds Feet SCT	White/Gray Fibrous	No Asbestos Detected
124	Vestibule | 4" Blue Vinyl Cove Base	Blue Rubbery	No Asbestos Detected
125	Vestibule | 4" Blue Vinyl Cove Base	Blue Rubbery	No Asbestos Detected
126	Vestibule | 4" Blue Vinyl Cove Base Glue	Tan Glue	No Asbestos Detected
127	Vestibule | 4" Blue Vinyl Cove Base Glue	White Glue	No Asbestos Detected
128	Vestibule | 4" Blue Vinyl Cove Base Glue	Tan Glue	No Asbestos Detected
129	Vestibule | Carpet Glue	Black Glue	No Asbestos Detected
130	Vestibule | Carpet Glue	Black Glue	No Asbestos Detected
131	Vestibule | 12" x 12" White VFT	White Tile	No Asbestos Detected
132	Vestibule | 12" x 12" White VFT	White Tile	No Asbestos Detected
133	Vestibule | 12" x 12" White VFT Glue	Gray Glue	No Asbestos Detected
134	Vestibule | 12" x 12" White VFT Glue	Black Glue	No Asbestos Detected
135	Vestibule | 12" x 12" White VFT Glue	Tan Glue	No Asbestos Detected
136	Vestibule | Textured Cement	White Cementitious	No Asbestos Detected
137	Vestibule | Textured Cement	White Cementitious	No Asbestos Detected
138	Vestibule | Textured Cement	White Cementitious	No Asbestos Detected
139	Vestibule | Brick Mortar	Gray Cementitious	No Asbestos Detected
140	Vestibule | Brick Mortar	Gray Cementitious	No Asbestos Detected
141	Vestibule | Gray Caulking	Gray Caulking	No Asbestos Detected
142	Vestibule | Gray Caulking	Gray Caulking	No Asbestos Detected

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Accredited for Bulk Asbestos Analysis by AIHA-LAP #100120 CT DPH #PH-0571 MA-DLS #AA000245 RI-PLM00148

Estimated Limit of Reporting: <1% asbestos.

The samples arrived in acceptable condition. The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the samples tested. There exists a degree of variability for the results due to the inherent uncertainty within the analytical method. The concentration of asbestos is determined by visual estimation. This report must NOT be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Analyst: Gino Fiore Date: 1/18/2024

Gino Fiore

Technical Manager: Lawrence Cannon Date: 1/18/2024

Lawrence Cannon

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Chain of Custody Form
Bulk Asbestos (PLM) Analysis

Lab# 27002
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard and Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☐ 24hr 3-5 Days
Specific Location(s): Interior			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogeneous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
1	A-Wing Classroom A140 | Drywall Joint Compound	21	Y	White comp	Y		0.01/0.05						3 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97 % Particulate	NAD
2	A-Wing Classroom A150 | Drywall Joint Compound	21	Y	White comp	Y								3 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97 % Particulate	NAD
3	A-Wing Classroom A131 | Drywall Joint Compound	21	Y	White comp	Y								3 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97 % Particulate	NAD
4	A-Wing Classroom A140 | Drywall	21	Y	Gray Cementitious	Y								5 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95 % Particulate	NAD
5	A-Wing Classroom A150 | Drywall	21	Y	Gray Cementitious	Y								5 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95 % Particulate	NAD
6	A-Wing Classroom A131 | Drywall	21	Y	Gray Cementitious	Y								5 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95 % Particulate	NAD
7	A-Wing Classroom A140 | Birds Feet Ceiling Tile	21	Y	White/Gray Fibrous	Y								10 % Cellulose / 30 % Fiberglass	Incomplete / Extinction / Isotropic	60 % Particulate	NAD
8	A-Wing Classroom A129 | Birds Feet Ceiling Tile	21	Y	White/Gray Fibrous	Y								10 % Cellulose / 30 % Fiberglass	Incomplete / Extinction / Isotropic	60 % Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/9/2024	
QC: 2, 12, 22, 32, 42, 52, 62, 72, 82, 92, 102, 112, 122, 132, 142	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 27002
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☑ 24hr 3-5 Days
Specific Location(s): Fairfield Woods Middle School | Interior			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
9	A-Wing Classroom A140 | Worm Pattern Ceiling Tile	21	Y	White/Gray Fibrous	Y		0.01 / 0.05						10 % Cellulose; 30 % Fiberglass	Incomplete Extinction Isotropic	60 % Particulate	NAD
10	A-Wing Classroom A150 | Worm Pattern Ceiling Tile	21	Y	White/Gray Fibrous	Y								10 % Cellulose; 30 % Fiberglass	Incomplete Extinction Isotropic	60 % Particulate	NAD
11	A-Wing Classroom A124 | Worm Pattern Ceiling Tile	21	Y	White/Gray Fibrous	Y								10 % Cellulose; 30 % Fiberglass	Incomplete Extinction Isotropic	60 % Particulate	NAD
12	A-Wing Classroom A142 | 2'x2' SCT	21	Y	White/Gray Fibrous	Y								10 % Cellulose; 30 % Fiberglass	Incomplete Extinction Isotropic	60 % Particulate	NAD
13	A-Wing Classroom A131 | 2'x2' SCT	21	Y	White/Gray Fibrous	Y								10 % Cellulose; 30 % Fiberglass	Incomplete Extinction Isotropic	60 % Particulate	NAD
14	A-Wing A122 Boys Bathroom | Ceiling Compound	21	Y	White comp	Y								3 % Cellulose; Fiberglass	Incomplete Extinction Isotropic	97 % Particulate	NAD
15	A-Wing A117 | Ceiling Compound	21	Y	White comp	Y								3 % Cellulose; Fiberglass	Incomplete Extinction Isotropic	97 % Particulate	NAD
16	A-Wing A122 Boys Bathroom | Ceilingboard	21	Y	Gray Cementitias	Y								5 % Cellulose; Fiberglass	Incomplete Extinction Isotropic	95 % Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/9/2024	
QC:	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

27002
(203) 238-4846
(203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☑ : 3-5 Days
Specific Location(s): Fairfield Woods Middle School | Interior			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
17	A-Wing A117 | Ceilingboard	21	Y	Gray Cementitious	Y		0.01/0.05						5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD
18	A-Wing Classroom A148 | Plaster Skim Coat	21	Y	Whiteplaster	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	98% Particulate	NAD
19	A-Wing Classroom A148 | Plaster Skim Coat	21	Y	Whiteplaster	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
20	A-Wing Classroom A150 | Plaster Skim Coat	21	Y	Whiteplaster	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
21	A-Wing Classroom A148 | Plaster Rough Coat	21	Y	Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD
22	A-Wing Classroom A148 | Plaster Rough Coat	21	Y	Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD
23	A-Wing Classroom A150 | Plaster Rough Coat	21	Y	Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD
24	A-Wing Classroom A154 | Wall Joint Compound	21	Y	Whitecomp	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/10/2024	
QC:	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

27002
(203) 238-4846
(203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☑ 3-5 Days
Specific Location(s): Fairfield Woods Middle School | Interior			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
25	A-Wing Classroom A153 | Wall Joint Compound	21	Y	White comp	Y		0.01 / 0.05						3 % Cellulose; Fiberglass	Incomplete; Extinction; Isotropic	97 % Particulate	NAD
26	A-Wing Classroom A153 | Drywall	21	Y	Gray Cementitious	Y								5 % Cellulose; Fiberglass	Incomplete; Extinction; Isotropic	95 % Particulate	NAD
27	A-Wing Classroom A153 | Drywall	21	Y	Gray Cementitious	Y								5 % Cellulose; Fiberglass	Incomplete; Extinction; Isotropic	95 % Particulate	NAD
28	B-Wing Classroom B137 | 2'x4' Birds Feet SCT	21	Y	White/Gray Fibrous	Y								10 % Cellulose; 10 % Fiberglass	Incomplete; Extinction; Isotropic	80 % Particulate	NAD
29	B-Wing Classroom B134 | 2'x4' Birds Feet SCT	21	Y	White/Gray Fibrous	Y								10 % Cellulose; 10 % Fiberglass	Incomplete; Extinction; Isotropic	80 % Particulate	NAD
30	B-Wing Classroom B136 | 2'x4' Worm Pattern SCT	21	Y	White/Gray Fibrous	Y								10 % Cellulose; 10 % Fiberglass	Incomplete; Extinction; Isotropic	80 % Particulate	NAD
31	B-Wing Classroom B131 | 2'x4' Worm Patter SCT	21	Y	White/Gray Fibrous	Y								10 % Cellulose; 10 % Fiberglass	Incomplete; Extinction; Isotropic	80 % Particulate	NAD
32	B-Wing Classroom B137 | Wall Joint Compound	21	Y	White comp	Y								3 % Cellulose; Fiberglass	Incomplete; Extinction; Isotropic	97 % Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/10/2024	
QC:	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 27002
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☑ 24hr 3-5 Days
Specific Location(s): Fairfield Woods Middle School | Interior			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
33	B-Wing Classroom B135 | Wall Joint Compound	21	Y	white comp	Y		0.01 / 0.05						3 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	97 % Particulate	NAD
34	B-Wing Classroom B133 | Wall Joint Compound	21	Y	white comp	X								3 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	97 % Particulate	NAD
35	B-Wing Classroom B131 | Wall Joint Compound	21	Y	white comp	Y								3 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	97 % Particulate	NAD
36	B-Wing Classroom B130 | Wall Joint Compound	21	Y	white comp	Y								3 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	97 % Particulate	NAD
37	B-Wing Classroom B137 | Drywall	21	Y	Gray Cementitious	Y								5 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	95 % Particulate	NAD
38	B-Wing Classroom B135 | Drywall	21	X	Gray Cementitious	Y								5 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	95 % Particulate	NAD
39	B-Wing Classroom B133 | Drywall	21	X	Gray Cementitious	Y								5 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	95 % Particulate	NAD
40	B-Wing Classroom B137 | Plaster Skim Coat	21	X	white plaster	Y								3 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	97 % Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	**Additional Comments:**
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/10/2024	
QC:	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM001

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab: 27002
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Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☑ 3-5 Days
Specific Location(s): Fairfield Woods Middle School | Interior			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
41	B-Wing Classroom B136 | Plaster Skim Coat	21	Y	Whiteplaster	Y		0.01/0.05						3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
42	B-Wing Classroom B132 | Plaster Skim Coat	21	Y	Whiteplaster	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
43	B-Wing Classroom B131 | Plaster Skim Coat	21	Y	Whiteplaster	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
44	B-Wing Classroom B130 | Plaster Skim Coat	21	Y	Whiteplaster	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
45	B-Wing Classroom B137 | Plaster Base Coat	21	Y	Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD
46	B-Wing Classroom B136 | Plaster Base Coat	21	Y	Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD
47	B-Wing Classroom B132 | Plaster Base Coat	21	Y	Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD
48	B-Wing Classroom B131 | Plaster Base Coat	21	Y	Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD

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NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/10/2024	
QC:	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Bulk Asbestos (PLM) Analysis

27002
(203) 238-4846
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Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodward & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☑ 3-5 Days
Specific Location(s): Fairfield Woods Middle School | Interior			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
49	B-Wing Classroom B130 | Plaster Base Coat	21	Y	Gray Cementitious	Y		0.01/0.05						5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
50	B-Wing Classroom B112 | 2'x4' Smooth SCT	21	Y	White/Gray Fibrous	Y								10% Cellulose / 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
51	B-Wing Classroom B112 | 2'x4' Smooth SCT	21	Y	White/Gray Fibrous	Y								10% Cellulose / 10% Fiberglass	Incomplete Extinction Isotropic	80% Particulate	NAD
52	C-Wing Classroom C-101 Fitness Room | Plaster Skim Coat	21	Y	whiteplaster	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
53	C-Wing Classroom C-101 Fitness Room | Plaster Skim Coat	21	Y	whiteplaster	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
54	C-Wing Classroom C-103 | Plaster Skim Coat	21	Y	whiteplaster	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
55	C-Wing Classroom C-103 | Plaster Skim Coat	21	Y	whiteplaster	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
56	C-Wing Classroom C-101 Fitness Room | Plaster Rough Coat	21	Y	Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD

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NAD: No Asbestos Detected

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Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/10/2024	
QC:	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

27002
(203) 238-4846
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Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/28/2023	☑ 3-5 Days
Specific Location(s): Fairfield Woods Middle School | Interior			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
57	C-Wing Classroom C-103 | Plaster Rough Coat	21	Y	Gray Cementitious	Y		0.01/0.65						5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
58	C-Wing Classroom C-103 | Plaster Rough Coat	21	Y	Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
59	C-Wing Classroom C-113 | Drywall	21	Y	Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
60	C-Wing Classroom C-115 | Drywall	21	Y	1. Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
61	C-Wing Classroom C-113 Storage Room | Drywall	21	Y	1. Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
62	C-Wing Classroom C-171 | Drywall	21	Y	1. Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
63	C-Wing Classroom C-113 | Drywall Joint Compound	21	Y	White comp	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
64	C-Wing Classroom C-115 | Drywall Joint Compound	21	Y	White comp	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD

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NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/10/2024	
QC:	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Bulk Asbestos (PLM) Analysis

27002
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Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☑ 24hr 3-5 Days
Specific Location(s): Fairfield Woods Middle School | Interior			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
65	C-Wing Classroom C-113 | Storage Room | Drywall Joint Compound	21	Y	whitecamp	y		0.01/0.05						3 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	97 % Particulate	NAD
66	C-Wing Classroom C-171 | Drywall Joint Compound	21	Y	whitecamp	y								3 % Cellulose / Fiberglass	Incomplete Extinction Isotropic	97 % Particulate	NAD
67	C-Wing Classroom C-113 | Birds Feet SCT	21	y	White/Gray Fibrous	y								10 % Cellulose / 10 % Fiberglass	Incomplete Extinction Isotropic	80 % Particulate	NAD
68	C-Wing Corridor | Birds Feet SCT	21	y	White/Gray Fibrous	y								10 % Cellulose / 10 % Fiberglass	Incomplete Extinction Isotropic	80 % Particulate	NAD
69	C-Wing Corridor | Worm Patter SCT	21	y	White/Gray Fibrous	y								10 % Cellulose / 10 % Fiberglass	Incomplete Extinction Isotropic	80 % Particulate	NAD
70	C-Wing Classroom C-171 | Worm Pattern SCT	21	y	White/Gray Fibrous	y								10 % Cellulose / 10 % Fiberglass	Incomplete Extinction Isotropic	80 % Particulate	NAD
71	C-Wing Outside Gym | 1x1 Pinhole Ceiling	21	y	White/Gray Fibrous	y								10 % Cellulose / 10 % Fiberglass	Incomplete Extinction Isotropic	80 % Particulate	NAD
72	C-Wing Outside Gym | 1x1 Pinhole Ceiling	21	y	White/Gray Fibrous	y								10 % Cellulose / 10 % Fiberglass	Incomplete Extinction Isotropic	80 % Particulate	NAD

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NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/10/2024	
QC:	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

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Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☐ 24hr
Specific Location(s):			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
73	C-Wing Room C-176 Mens Bathroom | Drywall	21	Y	1.Gray Cementitias	Y		0.01/0.05						3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
74	C-Wing Room C-178 Women's Bathroom | Drywall	21	Y	1.Gray Cementitias	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
75	C-Wing Room C-176 Mens Bathroom | Drywall Joint Compound	21	Y	Whitecomp	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
76	C-Wing Room C-178 Women's Bathroom | Drywall Joint Compound	21	Y	Whitecomp	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
77	C-Wing Room C-155 | 1x1 SCT	21	Y	White Fibrous	Y								10% Cellulose / 10% Fiberglass	Incomplete / Extinction / Isotropic	80% Particulate	NAD
78	C-Wing Room C-155 | 1x1 SCT	21	Y	White/Gray Fibrous	Y								10% Cellulose / 10% Fiberglass	Incomplete / Extinction / Isotropic	80% Particulate	NAD
79	C-Wing Room C-141 | Ceiling board	21	Y	1.Gray Cementitias	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
80	C-Wing Room C-141 | Ceiling board Joint Compound	21	Y	Whitecomp	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD

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NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
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Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
81	A-Wing Classroom A148 | Glue Dots	21	Y	Brown Glue	Y		0.01/.005						1% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99% Particulate	NAD
82	A-Wing Classroom A148 | Glue Dots	21	Y	Brown Glue	Y								1% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99% Particulate	NAD
83	A-Wing Classroom A148 | Glue Dots	21	Y	Brown Glue	Y								1% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99% Particulate	NAD
84	2nd Floor Room 201 | 2x4 Worm Pattern SCT	21	Y	White/Gray Fibrous	Y								10% Cellulose / 10% Fiberglass	Incomplete / Extinction / Isotropic	80% Particulate	NAD
85	2nd Floor Room 210 | 2'x4' Worm Pattern SCT	21	Y	White/Gray Fibrous	Y								10% Cellulose / 10% Fiberglass	Incomplete / Extinction / Isotropic	80% Particulate	NAD
86	2nd Floor Corridor | 2x4 Bird Feet SCT	21	Y	White/Gray Fibrous	Y								10% Cellulose / 10% Fiberglass	Incomplete / Extinction / Isotropic	80% Particulate	NAD
87	2nd Floor Room 205 | 2'x4' Birds Feet SCT	21	Y	White/Gray Fibrous	Y								10% Cellulose / 10% Fiberglass	Incomplete / Extinction / Isotropic	80% Particulate	NAD
88	2nd Floor Room 201 | Drywall	21	Y	Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD

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89	2nd Floor Room 212 | Drywall	21	Y	White Cementitious	Y		0.01/0.05						5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD
90	2nd Floor Room 201 | Drywall Joint Compound	21	Y	White comp	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
91	2nd Floor Room 212 | Drywall Joint Compound	21	Y	White comp	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
92	2nd Floor Room 203 | Plaster Skim Coat	21	Y	White Plaster	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
93	2nd Floor Room 203 | Plaster Skim Coat	21	Y	White Plaster	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
94	2nd Floor Room 203 | Plaster Rough Coat	21	Y	Gray Cementitious	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
95	2nd Floor Room 203 | Plaster Rough Coat	21	Y	Gray Cementitious	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
96	Vestibule | Black Window Caulking	21	Y	Black Rubbery	Y								1% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99% Particulate	NAD

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Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☐ 24hr
Specific Location(s):			Sampling Method: 40 CFR Part 763.86; 20 CFR Part 1926.1101; EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
97	Vestibule | Black Window Caulking	21	Y	Black Caulking	Y		0.01/0.05						2% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	98% Particulate	NAD
98	Vestibule | Black Window Caulking	21	Y	Black Caulking	Y								2% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	98% Particulate	NAD
99	Vestibule | Black Window Caulking	21	Y	Black Caulking	Y								2% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	98% Particulate	NAD
100	Vestibule | Black Window Caulking	21	Y	Black Caulking	Y								2% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	98% Particulate	NAD
101	Vestibule | Black Door Caulking	21	Y	Black Caulking	Y								2% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	98% Particulate	NAD
102	Vestibule | Black Door Caulking	21	Y	Black Caulking	Y								2% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	98% Particulate	NAD
103	Vestibule | Black Door Caulking	21	Y	Black Caulking	Y								2% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	98% Particulate	NAD
104	Vestibule | Black Door Caulking	21	Y	Black Caulking	Y								2% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	98% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/11/2024	
QC:	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 27002
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☐ 24hr
Specific Location(s): Fairfield Woods Middle School | Vestibule			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
105	Vestibule | Tan Caulking		Y	Tan Caulking	Y		0.01/0.05						1% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99% Particulate	NAD
106	Vestibule | Tan Caulking		Y	Tan Caulking	Y								1% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99% Particulate	NAD
107	Vestibule | Gray Expansion Caulking		Y	Gray Caulking	Y								1% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99% Particulate	NAD
108	Vestibule | Gray Expansion Caulking		Y	Gray Caulking	Y								1% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99% Particulate	NAD
109	Vestibule | Gray Expansion Caulking		Y	Gray Caulking	Y								1% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99% Particulate	NAD
110	Vestibule | Rubber Caulking Between Windows and Door		Y	Black Caulking	Y								1% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99% Particulate	NAD
111	Vestibule | Rubber Caulking Between Windows and Door		Y	Black Rubbery	Y								1% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99% Particulate	NAD
112	Vestibule | Rubber Caulking Between Windows and Door		Y	Black Rubbery	Y								1% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/11/2024	
QC:	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 27002
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☐ 24hr
Specific Location(s): Fairfield Woods Middle School | Vestibule			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characterisitics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
113	Vestibule | 4" Gray Vinyl Cove Base	21	Y	Gray Rubbery	Y		0.01 / 0.05						1 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99 % Particulate	NAD
114	Vestibule | 4" Gray Vinyl Cove Base	21	Y	Gray Rubbery	Y								1 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	99 % Particulate	NAD
115	Vestibule | 4" Gay Vinyl Cove Base Glue	21	Y	Tan Glue	Y								3 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97 % Particulate	NAD
116	Vestibule | 4" Gay Vinyl Cove Base Glue	21	Y	Tan Glue	Y								3 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97 % Particulate	NAD
117	Vestibule | 4" Gay Vinyl Cove Base Glue	21	Y	Tan Glue	Y								3 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97 % Particulate	NAD
118	Vestibule | Insulation Paper Backing	21	Y	Black Fibrous	Y								10 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	90 % Particulate	NAD
119	Vestibule | Insulation Paper Backing	21	Y	Black Fibrous	Y								10 % Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	90 % Particulate	NAD
120	Vesrtibule | Worm Pattern SCT	21	Y	White/Gray Fibrous	Y								10 % Cellulose / 10 % Fiberglass	Incomplete / Extinction / Isotropic	80 % Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/11/2024	
QC:	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 27002
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☐ 24hr
Specific Location(s):			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
121	Vestibule | Worm Pattern SCT	21	Y	White/Gray Fibrous	Y		0.01/0.05						10 % Cellulose 10 % Fiberglass	Incomplete Extinction Isotropic	80 % Particulate	NAD
122	Vestibule | Birds Feet SCT	21	Y	White/Gray Fibrous	Y								10 % Cellulose Fiberglass	Incomplete Extinction Isotropic	80 % Particulate	NAD
123	Vestibule | Birds Feet SCT	21	Y	White/Gray Fibrous	Y								10 % Cellulose 10 % Fiberglass	Incomplete Extinction Isotropic	80 % Particulate	NAD
124	Vestibule | 4" Blue Vinyl Cove Base	21	Y	Blue Rubbery	Y								1 % Cellulose Fiberglass	Incomplete Extinction Isotropic	99 % Particulate	NAD
125	Vestibule | 4" Blue Vinyl Cove Base	21	Y	Blue Rubbery	Y								1 % Cellulose Fiberglass	Incomplete Extinction Isotropic	99 % Particulate	NAD
126	Vestibule | 4" Blue Vinyl Cove Base Glue	21	Y	Tan Glue	Y								3 % Cellulose Fiberglass	Incomplete Extinction Isotropic	97 % Particulate	NAD
127	Vestibule | 4" Blue Vinyl Cove Base Glue	21	Y	White Glue	Y								3 % Cellulose Fiberglass	Incomplete Extinction Isotropic	97 % Particulate	NAD
128	Vestibule | 4" Blue Vinyl Cove Base Glue	21	Y	Tan Glue	Y								3 % Cellulose Fiberglass	Incomplete Extinction Isotropic	97 % Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/11/2024	
QC:	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 27002
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☐ 24hr
Specific Location(s): Fairfield Woods Middle School | Vestibule			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogeneous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
129	Vestibule | Carpet Glue	21	Y	Black Glue	Y		0.01 / 0.05						10% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	90% Particulate	NAD
130	Vestibule | Carpet Glue	21	Y	Black Glue	Y								10% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	90% Particulate	NAD
131	Vestibule | 12" x 12" White VFT	21	Y	White Tile	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
132	Vestibule | 12" x 12" White VFT	21	Y	White Tile	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
133	Vestibule | 12" x 12" White VFT Glue	21	Y	Gray Glue	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD
134	Vestibule | 12" x 12" White VFT Glue	21	Y	Black Glue	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD
135	Vestibule | 12" x 12" White VFT Glue	21	Y	Tan Glue	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD
136	Vestibule | Textured Cement	21	Y	White Cementitious	Y								5% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	95% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/11/2024	
QC:	Received by: Gino Fiore	Date: 12/29/2023	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 27002
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF/XJW 12/27-28/2023	☐ 24hr
Specific Location(s):			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique, Undulose)	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
137	Vestibule | Textured Cement	21	Y	White Cementitious	Y		0.01 / 0.05						5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
138	Vestibule | Textured Cement	21	Y	White Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
139	Vestibule | Brick Mortar	21	Y	Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
140	Vestibule | Brick Mortar	21	Y	Gray Cementitious	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	NAD
141	Vestibule | Gray Caulking	21	Y	Gray Caulking	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
142	Vestibule | Gray Caulking	21	Y	Gray Caulking	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
													Cellulose / Fiberglass	Incomplete Extinction Isotropic	Particulate	
													Cellulose / Fiberglass	Incomplete Extinction Isotropic	Particulate	

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	12/29/2023	Gino Fiore	1/11/2024	
QC:	Received by: Gino Fiore	Date:	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Laboratory Analysis Report

Asbestos – Bulk

To: Woodard and Curran
40 Shattuck Road, Suite 110
Andover, MA, 01810

Lab #: 27017
Date Collected: 1/3/2024
Date Received: 1/4/2024
Date Analyzed: 1/12/2024
Date Report Prepared: 1/18/2024

Project #: IH-23-1880

Analysis: Asbestos Fiber Content
Analysis Type: Asbestos by Polarized Light Microscopy
Location: 1115 Fairfield Woods Roads, Fairfield, CT – **Fairfield Woods Middle School Interior**

Test Methods: U.S. Environmental Protection Agency (EPA) Interim Method for the Determination of Asbestos In Bulk Insulation Samples (EPA600/M4-82-020) as found in 40 CFR, Part 763, Appendix E to Subpart or the current U.S. EPA method for the analysis of asbestos in building material.

U.S. Environmental Protection Agency's Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey.

Sample #	Sample Location/Type	Material Sampled/Color	Percent Asbestos
143	2nd Floor Room 210 | Plaster Skim Coat	White Plaster	No Asbestos Detected
144	2nd Floor Room 211 | Plaster Skim Coat	White Plaster	No Asbestos Detected
145	2nd Floor Room 213 | Plaster Skim Coat	White Plaster	No Asbestos Detected
146	2nd Floor Room 214 | Plaster Skim Coat	White Plaster	No Asbestos Detected
147	2nd Floor Corridor | Plaster Skim Coat	White Plaster	No Asbestos Detected
148	2nd Floor Room 210 | Plaster Rough Coat	Gray Cementitious	No Asbestos Detected
149	2nd Floor Room 211 | Plaster Rough Coat	Gray Cementitious	No Asbestos Detected
150	2nd Floor Room 213 | Plaster Rough Coat	Gray Cementitious	No Asbestos Detected
151	2nd Floor Room 214 | Plaster Rough Coat	Gray Cementitious	No Asbestos Detected
152	2nd Floor Corridor | Plaster Rough Coat	Gray Cementitious	No Asbestos Detected
153	2nd Floor Room 213 | Joint Compound	White Compound	No Asbestos Detected
154	2nd Floor Room 214 | Joint Compound	White Compound	No Asbestos Detected
155	2nd Floor Room 217 | Joint Compound	White Compound	No Asbestos Detected
156	2nd Floor Room 217 | Durrock Gypsum Board	White Chalky	No Asbestos Detected
157	2nd Floor Room 217 | Durrock Gypsum Board	White Chalky	No Asbestos Detected

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Accredited for Bulk Asbestos Analysis by AIHA-LAP #100120 CT DPH #PH-0571 MA-DLS #AA000245 RI-PLM00148

Estimated Limit of Reporting: <1% asbestos.

The samples arrived in acceptable condition. The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the samples tested. There exists a degree of variability for the results due to the inherent uncertainty within the analytical method. The concentration of asbestos is determined by visual estimation. This report must NOT be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Analyst: Gino Fiore Date: 1/18/2024

Gino Fiore

Technical Manager: Lawrence J. Cannon Date: 1/18/2024

Lawrence Cannon

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Chain of Custody Form
Bulk Asbestos (PLM) Analysis

Lab# 27017
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time: ☐ 24hr 3-5 Days
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF | 1/3/2024	Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116
Specific Location(s): Fairfield Woods Middle School | Interior			

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique,	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
143	2nd Floor Room 210 | Plaster Skim Coat	21	Y	White Plaster	Y		0.01/0.05						2% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	98% Particulate	NAD
144	2nd Floor Room 211 | Plaster Skim Coat	21	Y	White Plaster	Y								2% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	98% Particulate	NAD
145	2nd Floor Room 213 | Plaster Skim Coat	21	Y	White Plaster	Y								2% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	98% Particulate	NAD
146	2nd Floor Room 214 | Plaster Skim Coat	21	Y	White Plaster	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
147	2nd Floor Corrdor | Plaster Skim Coat	21	Y	White Plaster	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
148	2nd Floor Room 210 | Plaster Rough Coat	21	Y	Gray Cementitious	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
149	2nd Floor Room 211 | Plaster Rough Coat	21	Y	Gray Cementitious	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD
150	2nd Floor Room 213 | Plaster Rough Coat	21	Y	Gray Cementitious	Y								3% Cellulose / Fiberglass	Incomplete / Extinction / Isotropic	97% Particulate	NAD

The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	1/4/24	Gino Fiore	1/12/2024	
QC:	Received by: Gino Fiore	Date: 1/4/2024	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

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Chain of Custody Form

Bulk Asbestos (PLM) Analysis

Lab# 27017
Tel: (203) 238-4846
Fax: (203) 238-4243

Company Name and Address:	Project/Job#:	Collected by/Date:	Turn Around Time:
Woodard & Curran | 1115 Fairfield Woods Road, Fairfield, CT	IH-23-1880	GF | 1/3/2024	☐ 24hr
Specific Location(s): Fairfield Woods Middle School | Interior			Sampling Method: 40 CFR Part 763.86 / 20 CFR Part 1926.1101 / EPA #600/R-93/116

Analytical Method: Polarized Light Microscopy (PLM) with Dispersion Staining

Sample #	Sample Location	Temperature (°C)	Homogenous (Y/N)	Gross Appearance (Color/Texture)	Stereo Microscope (Y/N)/ Estimated Type of Asbestos	Morphology	Refraction Index (Parallel/Perpendicular)	Dispersion colors Parallel/Perpendicular	Extinction Characteristics (Parallel, Oblique,	Sign of Extinction (+/-)	Pleochroism (Color) Parallel/Perpendicular	Birefringence (o, l, m, h)	Types of non-asbestos fibers present (and %)	Non Asbestos fiber optical properties	Type(s) & percent of (non-fibrous) materials present	Total % Asbestos
151	2nd Floor Room 214 | Plaster Rough Coat	21	Y	Gray Cementitious	Y		0.01/0.05						2% Cellulose / Fiberglass	Incomplete Extinction Isotropic	98% Particulate	NAD
152	2nd Floor Corridor | Plaster Rough Coat	21	Y	Gray Cementitious	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
153	2nd Floor Room 213 | Joint Compound	21	Y	White comp	Y								2% Cellulose / Fiberglass	Incomplete Extinction Isotropic	98% Particulate	NAD
154	2nd Floor Room 214 Joint Compound	21	Y	White comp	Y								3% Cellulose / Fiberglass	Incomplete Extinction Isotropic	97% Particulate	NAD
155	2nd Floor Room 217 | Joint Compound	21	Y	White comp	Y								2% Cellulose / Fiberglass	Incomplete Extinction Isotropic	98% Particulate	NAD
156	2nd Floor Room 217 | Durrock Gypsum Board	21	Y	White Chalky	Y								7% Cellulose / Fiberglass	Incomplete Extinction Isotropic	93% Particulate	NAD
157	2nd Floor Room 217 | Durrock Gypsum Board	21	Y	White Chalky	Y								5% Cellulose / Fiberglass	Incomplete Extinction Isotropic	95% Particulate	
													Cellulose / Fiberglass	Incomplete Extinction Isotropic	Particulate	

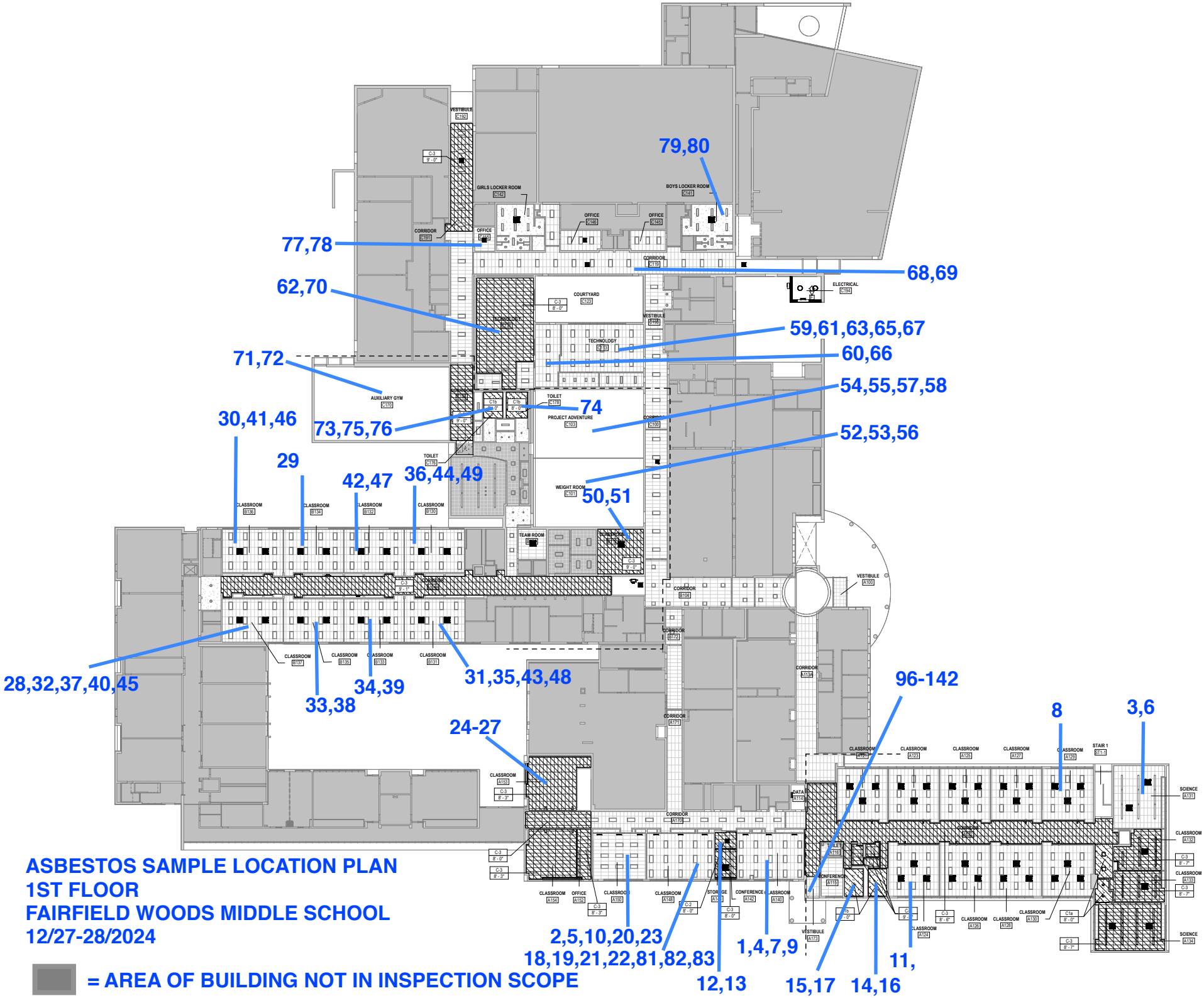
The results of this analysis were obtained by a qualified individual using approved methodology and relate only to the items tested

NAD: No Asbestos Detected

Laboratory Personnel:	Relinquished by:	Date:	Analyzed by:	Date:	Additional Comments:
Reference Slide:	Gino Fiore	1/4/24	Gino Fiore	1/12/2024	
QC:	Received by: Gino Fiore	Date: 1/4/2024	Approved by:	Date:	

Accredited for Bulk Asbestos Analysis: AIHA LAP #100120 CT DPH #PH-0571 MA-DLS #AA00245 RI-PLM00148

IV. SAMPLE LOCATION PLAN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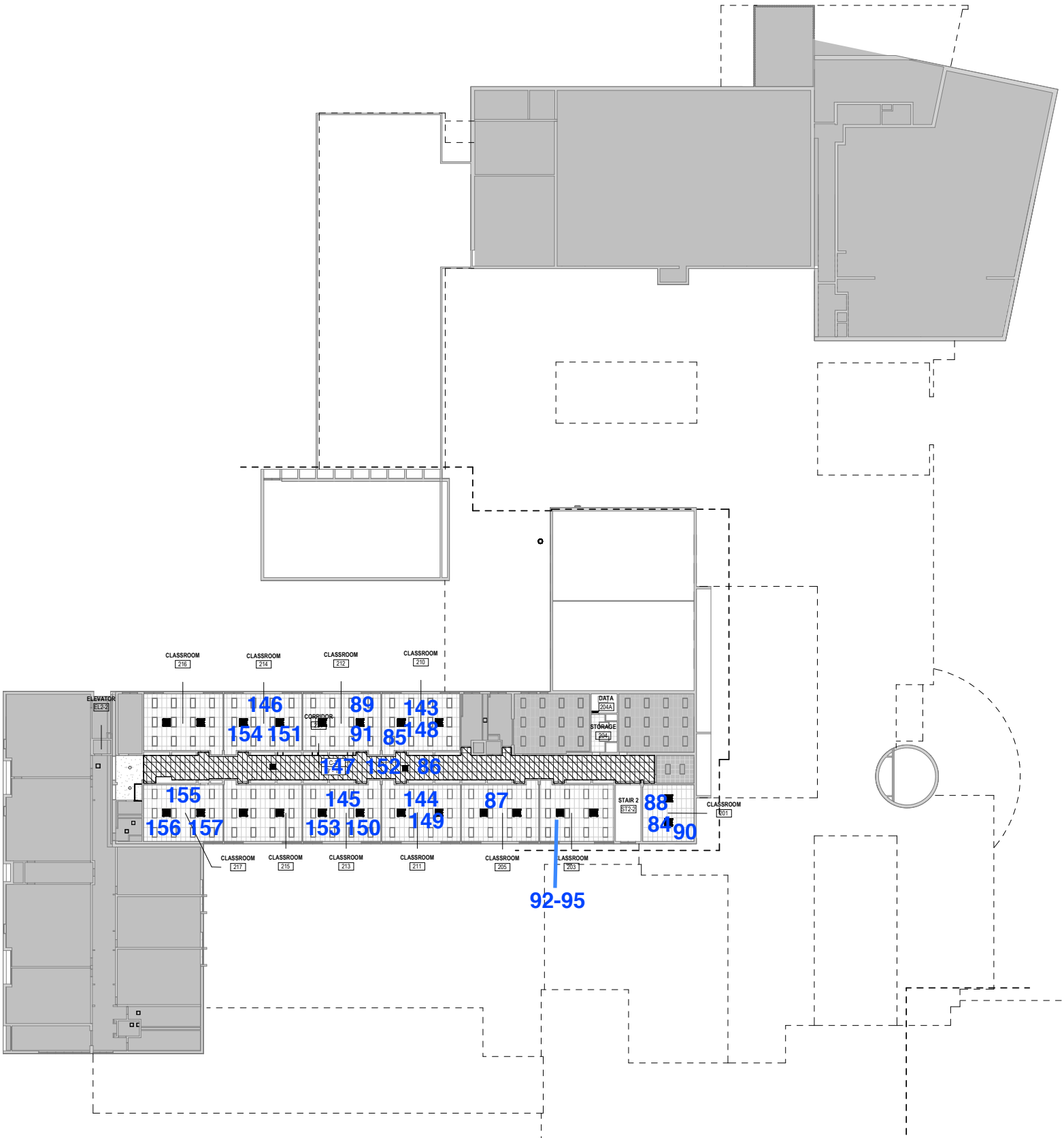
31,35,43,48
96-142
8
3,6
24-27
2,5,10,20,23
18,19,21,22,81,82,83
1,4,7,9
11,
12,13
15,17
14,16
ASBESTOS SAMPLE LOCATION PLAN
1ST FLOOR
FAIRFIELD WOODS MIDDLE SCHOOL
12/27-28/2024
= AREA OF BUILDING NOT IN INSPECTION SCOPE



ASBESTOS SAMPLE LOCATION PLAN
2ND FLOOR
FAIRFIELD WOODS MIDDLE SCHOOL
12/27-28/2024

= AREA OF BUILDING NOT IN INSPECTION SCOPE

APPENDIX B: LEAD PAINT REPORT – ENVIROMED SERVICES

EnviroMed

Cleaner environment. Safer workplaces.

LEAD INSPECTION REPORT

FOR

Fairfield Woods Middle School

1115 Fairfield Woods Rd,

Fairfield, CT

PREPARED
FOR
Woodard & Curran
40 Shattuck Road, Suite 110
Andover, MA 01810

DD - DRAFT SUBMISSION

DATE OF INSPECTION

January 3, 2024

ENVIROMED PROJECT # IH-23-1880

470 MURDOCK AVE., MERIDEN, CT 06450
TELEPHONE (203) 238-4846 • FACSIMILE (203) 238-4243

TABLE OF CONTENTS

I. Project Narrative

On January 3, 2024, EnviroMed Services Inc. performed a lead inspection using a Viken direct read pb200i XRF lead paint spectrum analyzer Fairfield Woods Middle School at 1115 Fairfield Woods Road, Fairfield, CT. The lead inspection focused primarily on structural steel in the school. Reinforcing steel needs to be welded to the existing structural steel in the school to support the installation of rooftop HVAC units. The secondary focus of the inspection was interior walls which need to be drilled through during renovations to support the installation of new pipe and conduit servicing the new HVAC system. The State of Connecticut Lead Regulations (19a-111-1(59)) deem paint to be a "toxic level" (actionable) when XRF reading is equal or greater than 1.00 milligrams per centimeter squared (mg/cm^2), or 0.50% by weight in dry form by flame atomic absorption spectrophotometer. Federal OSHA regulates the disturbance of paint containing any measurable level of lead. Lead Inspector Max Mauro (CT license #002313) performed the inspection, employed by EnviroMed Services (CT license # 000897), the certified lead consultant.

Methodology

This inspection was performed using a Viken direct read pb200i XRF lead paint spectrum analyzer. The Federal Environmental Protection Agency (EPA) and State Health Department (CT DPH) regulations deem paint to be at a "toxic level" for an XRF reading that is equal or greater than 1.00 milligrams per centimeter squared (mg/cm^2). Federal OSHA regulates the disturbance of paint containing any measurable level of lead.

II. Summary of Findings

X-ray Fluorescence (XRF) Results

A total of 96 XRF readings were taken, with zero (0) of these at or above 1.0 mg/cm^2.

Section IV Lead Inspection Report includes:

- Sequential Report of all XRF readings taken during this inspection

III. Lead Inspection Results

SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR: Woodard & Curran
Inspection Date: 12/28/23
Report Date: 1/17/2024 Fairfield Woods Middle School
Abatement Level: 1.0 IH-23-1880
Report No. 1/3/24 4:45
Total Readings:
Job Started: 1/3/24 4:45
Job Finished: 1/3/24 4:45

Read No	Room Name	Structure	Paint Condition	Paint Substrate Color	(mg/cm^2)	Mode
1	Calibration				1.03	TC
2	Calibration				1.06	TC
3	Calibration				1.14	TC
4	A wing Corridor/Hall	Wall A	I	Beige	0.1	QM
5	A wing Corridor/Hall	Wall B	I	Beige	0.6	QM
6	A Wing Hall Near Exit/Elevator	HVAC	I	Gray	0.2	QM
7	A Wing Hall Near Exit/Elevator	Metal Deck	I	Gray	0.3	QM
8	A Wing Hall Near Exit/Elevator	Black Pipe Beneath HVAC	I	Black	0.0	QM
9	A Wing Near Exit/Elevator	Support Members	I	Black	0.1	QM
10	A Wing Near Exit/Elevator	Connectors at Support Members	I	Black	0.3	QM
11	A Wing Near Exit/Elevator	Perimeter Member Ceiling Deck/ I-Beam	I	Red	0.3	QM
12	W Wing near Room 132	Small Support Grey Pipe	I	Gray	0.3	QM
13	A-Wing Hall Exit Elevator	Black Metal Support Beam above HVAC	I	Black	0.0	QM
14	W Wing near Room 132	CMU Wall Above Ceiling Tile	I	Tan	0.2	QM
15	A-Wing Exit/Elevator, Outside Room A 132	Red Support Beam	I	Red	0.6	QM
16	A-Wing Exit/Elevator, Outside Room A 132	Perimeter I Beam	I	Red	0.1	QM
17	A-Wing Exit/Elevator, Outside Room A 132	Hanging White Support Beam	I	White	0.1	QM
18	A-Wing Hall, Type 3 Work Area Outside Classrooms	Deck	I	Gray	0.3	QM
19	Type 3 Work Area- A Wing	Red Support Beam Above HVAC	I	Red	0.3	QM
20	Type 3 A-Wing Hall Work Area	Joint/Support Members	I	Black	0.3	QM
21	Type 3 A-Wing Hall Work Area	Perimeter I Beam- Ceiling Deck	I	Red	0.4	QM
22	Type 3 A-Wing Hall Work Area	CMU Wall Above Ceiling Tile	I	Tan	0.1	QM
23	Type 3 A-Wing Hall Work Area	Metal Pipe Attached to Joist	I	Gray	0.3	QM
24	Hallway A Outside Bathroom, Type 2 Work Area	Joist	I	White	0.2	QM
25	Hallway A Outside Bathroom, Type 2 Work Area	Ceiling Deck	I	White	0.4	QM

Read No	Room Name	Structure	Paint Condition	Paint Substrate Color	(mg/cm^2)	Mode
26	Hall A Type 2 Work Area, Outside Bathroom	Ceiling Deck	I	Black	0.2	QM
27	Hallway A (1) Type 2 Work Area	Red Support Structure Going Through Joist	I	Red	0.6	QM
28	Hallway A (1) Type 2 Work Area	CMU Wall	I	Gray	0.5	QM
29	Hallway A (1) Type 2 Work Area	Black Pipe	I	Black	0.1	QM
30	Hallway A (1) Type 2 Work Area	Red Perimeter Support Beam Member	I	Red	0.4	QM
31	Hallway A (1) Type 1 Work Area	Tan Perimeter I Beam Structure	I	Tan	0.2	QM
32	Hallway A (1) Type 1 Work Area	Gray Roof Decking	I	Gray	0.0	QM
33	Type 1 Work Area	CMU Wall Above Ceiling	I	Tan	0.2	QM
34	Hallway A (1) Type 1 Work Area	Black Metal Pipe, Support Structure	I	Black	0.2	QM
35	Classroom 132	Ceiling Decking	I	Gray	0.3	QM
36	Classroom 132	Black Support Structure Going Through Joist	I	Black	0.1	QM
37	Classroom 132	Copper Pipe Support Structure	I	Orange	0.2	QM
38	Hallway B Renovated	Black Support I- Beam	I	Black	0.2	QM
39	Hallway B Renovated	Metal Clasp Holding Up Pipe Insulation	I	Black	0.2	QM
40	Hallway B Renovated	Ceiling Deck	I	Gray	0.2	QM
41	Hallway B Renovated	Drywall Above Ceiling Tile	D	Tan	0.1	QM
42	Hallway B Renovated	Metal Support Side of Ceiling	I	Gray	0.1	QM
43	Hallway B Old Wing	I-Beam Ceiling Support	I	Red	0.1	QM
44	Hallway B Old Wing	Ceiling Deck	I	Gray	0.0	QM
45	Hallway B Old Wing	CMU Above Ceiling	D	Gray	0.1	QM
46	Hallway B Old Wing	Metal Structure Attached to Joist	I	Gray	0.1	QM
47	Hallway B Old Wing	Joist Above Ceiling	I	White/ Gray	0.2	QM
48	Hallway B Old Wing	Perimeter I Beam Deck	D	White/ Gray	0.1	QM
49	Hallway B Old Wing	Bolts/ Paddock	D	White/ Gray	0.1	QM
50	Hallway B Old Wing	HVAC	I	Gray	0.3	QM
51	Hallway B Old Wing	Ceiling Deck Joist	D	White	0.1	QM
52	Hallway B Old Wing	Water Pipe/ Suppression Systems	I	Black	0.1	QM
53	Hallway B Old Wing Type 1/3 Work	Drywall Above Ceiling	D	Tan	0.2	QM
54	Hallway B Old Wing Type 1/3 Work	Support Pipe/ Metal Support Ceiling	I	Black	0.3	QM
55	Hallway B Old Wing Type 1/3 Work	Joist Ceiling Deck	I	White	0.2	QM
56	Hallway D- Type 2/3 Work	Ceramic Wall	I	Tan	0.2	QM
57	Hallway D- Type 2/3 Work	Ceiling deck	I	White/ Gray	0.1	QM

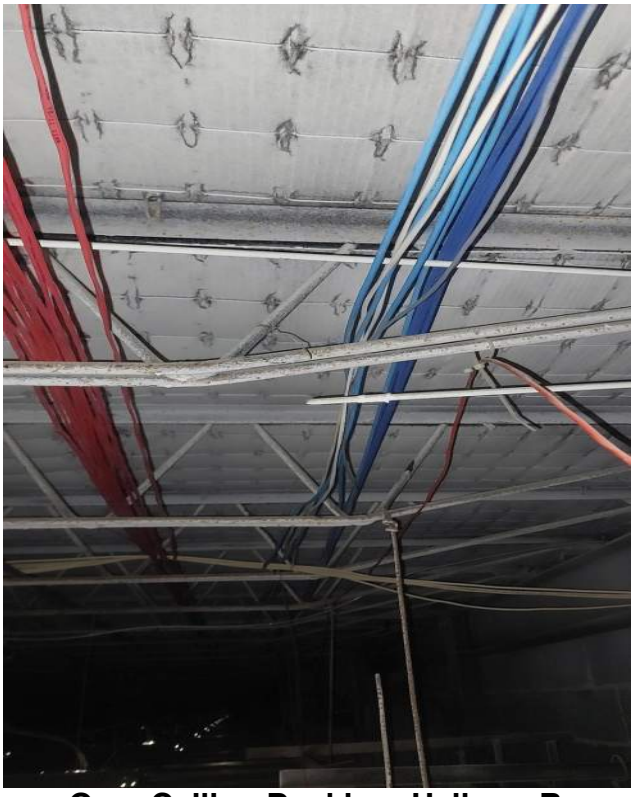
Read No	Room Name	Structure	Paint Condition	Paint Substrate Color	(mg/cm^2)	Mode
58	Hallway D- Type 2/3 Work	Joist Ceiling Deck	I	White	0.1	QM
59	Hallway D- Type 2/3 Work	Metal Bar Attached to Joist	I	White	0.3	QM
60	Hallway D- Type 2/3 Work	Water Pipe	I	Black	0.0	QM
61	Hallway D- Type 2/3 Work	HVAC	I	Gray	0.1	QM
62	Hallway D- Type 2/3 Work	Joist Ceiling Deck	I	White	0.1	QM
63	Hallway D- Type 2/3 Work	Metal Bar Attached to Joist	I	White	0.3	QM
64	Hallway D- Type 2/3 Work	Black Water Pipe	I	Black	0.0	QM
65	Hallway D- Type 2/3 Work	HVAC	I	Gray	0.1	QM
66	Hallway D- Type 2/3 Work	CMU Wall Above Ceiling Tile	I	Gray	0.2	QM
67	Hallway D- Type 2/3 Work	Support Side perimeter I Beam of Ceiling	I	Gray/ Green	0.2	QM
68	Hallway D- Type 2/3 Work	Bolts- Ceiling Deck	I	Gray	0.2	QM
69	Hallway D- Type 1-4 Work	Ceiling Deck	I	Gray	0.3	QM
70	Hallway D- Type 1-4 Work	Ceiling Joist	I	White	0.1	QM
71	Hallway D- Type 1-4 Work	Water Pipe	I	Black	0.3	QM
72	Hallway C Wing- Type 3 Work Outside Gym	Ceiling Deck	I	Gray	0.1	QM
73	Hallway C Type 3 Work	Water Supply Line	I	Black	0.4	QM
74	Hallway C Type 3 Work	Ceiling Deck Joist	I	Gray	0.3	QM
75	Hallway C Type 3 Work	Drywall Above Ceiling	I	Tan	0.2	QM
76	Hallway C Type 3 Work	Support Beam	I	Black	0.2	QM
77	Hallway C Type 1 Work	CMU Wall	I	Tan	0.2	QM
78	Hallway C Type 1 Work	Pipe on Perimeter of Ceiling	I	Gray	0.2	QM
79	Hallway C Type 1 Work	CMU Wall Above Ceiling Tile	I	Tan	0.5	QM
80	Hallway C Type 1 Work	Joist Ceiling Deck	I	Black	0.2	QM
81	Hallway C Type 1 Work	Ceiling Deck	I	Gray	0.1	QM
82	Hallway C Outside (C 103) Gym	Ceiling Deck	I	Tan	0.2	QM
83	Hallway C Outside (C 103) Gym	Joist Ceiling Deck	I	Tan	0.1	QM
84	Hallway C Outside (C 103) Gym	CMU Wall	I	White	0.5	QM
85	Hallway C Outside (C 103) Gym	Support Pipe	I	Gray	0.1	QM
86	Hallway C Outside (C 103) Gym	Perimeter I Beam	I	Tan	0.3	QM
87	Hallway C Near Café B	Water Pipe Roof Deck	I	Red	0.6	QM

Read No	Room Name	Structure	Paint Condition	Paint Substrate Color	(mg/cm^2)	Mode
88	Hallway C Near Café B	Ceiling Joist Roof Deck	I	Tan	0.2	QM
89	Hallway C Near Café B	Support Beam	I	Tan	0.1	QM
90	Hallway C Near Café B	Perimeter I Beam	I	Gray	0.1	QM
91	Hallway C Near Café B	CMU Wall Above Ceiling	I	White	0.4	QM
92	Hallway C Near Café B	Water Pipe	I	Black	0.2	QM
93	C Wing Bathroom	Pipes	I	Black	0.1	QM
94	C Wing Bathroom	Joist Ceiling Deck	I	Black	0.3	QM
95	C Wing Bathroom	Perimeter I-Beam	I	Gray	0.1	QM
96	C Wing Bathroom	Roof Decking	I	Black	0.1	QM
97	C Wing Bathroom	Roof Decking	I	Gray	0.3	QM
98	C Wing Bathroom	Joist Ceiling Deck	I	Gray	0.3	QM
99	C Wing Bathroom	CMU Wall Above Ceiling	I	Gray/ White	0.3	QM
100	Calibration				1.0	TC
101	Calibration				1.04	TC
102	Calibration				1.08	TC

IV. Photographs

Red I- Beam A Wing Hall

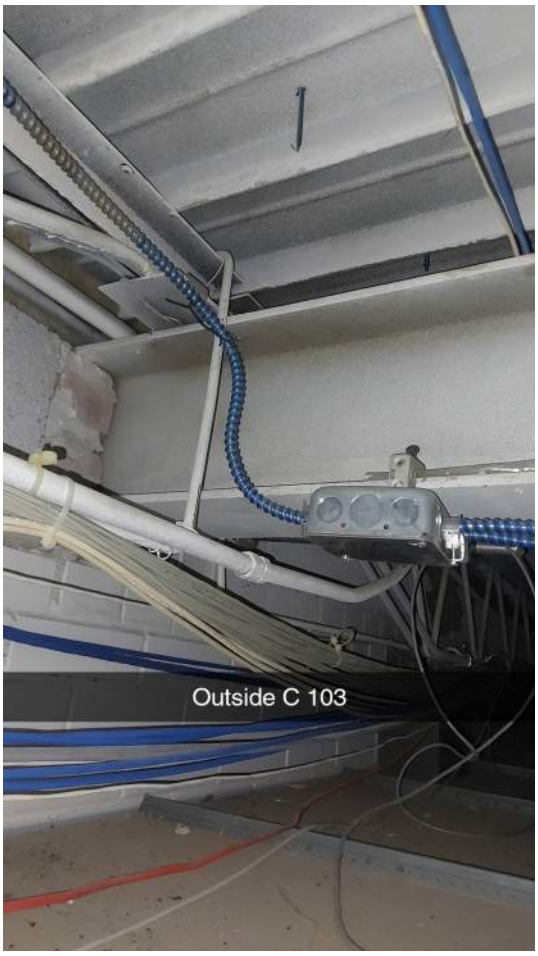
CMU Wall Above Ceiling Tiles



Gray Ceiling Decking- Hallway B


Bathroom B


Hallway between vestibule and b/c


Outside C 103

APPENDIX C: SUMMARY OF OBSERVED SUSPECT PCB-CONTAINING BUILDING MATERIALS

Appendix C
Summary of Observed Suspect PCB-Containing Building Materials
Fairfield Woods Middle School - Fairfield Public Schools

Construction Feature	Observed Suspect PCB-Containing Building Material	Material Location	Physical Description	Asbestos Classification	Preliminary Management Plan
HVAC System Rooftop Sealants	Metal to Metal joins	Ventilation Louvers and HVAC equipment on 1959 portion of building	Varies	Non-ACM	Sealants assumed to contain PCBs ≥ 50 ppm; Sealants and ventilation ductwork up to the designated segregation point to be removed for disposal as an assumed PCB Bulk Product Waste
Ventialtion Ductwork Sealants	Metal to metal	Overhead areas throughout 1953, 1959, 1972, and 1974 areas	Varies	Non-ACM	Sealants assumed to contain PCBs ≥ 50 ppm; Sealants and ventilation ductwork up to the designated segregation point to be removed for disposal as an assumed PCB Bulk Product Waste
CMU Walls	White or off-white painted block walls	CMU block walls in hallways, classrooms, and other spaces throughout the building	White to off-white surface coat; multiple layers and colors observed in some areas	Not suspect	Where disturbed, paint and painted CMU block materials to be managed for removal and off-site disposal as an assumed PCB Bulk Product Waste.
Structural Steel	Painted red	Overhead areas throughout the building	Red to pink coloration on structural components	Not suspect	Where disturbed, paint and painted steel to be managed for off-site disposal as an assumed PCB Bulk Product Waste including waste materials generated as part of welding or grinding.

Notes:
Suspect PCB Containing building materials anticpated to be disturbed based on demolition drawings provided and within accessible potions of the school during site visits on December 16 and 28, 2023.
Suspect PCB containing building materials limited to materials within those portions of the buildings constructed in 1953, 1959, 1972, and 1974. Materials in the 1993 and 2012 portions of the building not considered suspect for PCBs based on the date of construction after the federal prohibition on the use of PCBs in building materials.

1 OVERALL FIRST FLOOR MECHANICAL DUCTWORK PLAN Copy 1

1" = 20'-0"

0 10' 20' 40'

Scale: 1" = 20'-0"

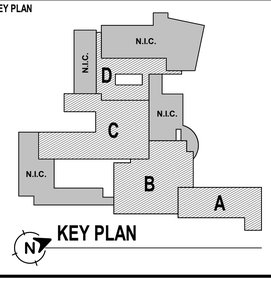
DEMOLITION PLAN GENERAL NOTES:

1. THE CONTRACTOR SHALL REMOVE ALL HVAC ITEMS AS INDICATED INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: EQUIPMENT, LOW & LINE VOLTAGE WIRING, PIPING, DUCTWORK, GAS VENTS, SPECIALTIES & ACCESSORIES, HANGERS, REGISTERS, GRILLES & DIFFUSERS, CONTROL COMPONENTS, ETC... ALL WIRING SHALL BE TERMINATED BACK TO THEIR SOURCE AND ANY GAS BRANCH PIPING SHALL BE CAPPED BACK TO THE NEAREST MAIN. REFER TO WORK BY DIV. 22 & 26 FOR ANY ADDITIONAL INFORMATION.
2. ANY ROOF OPENINGS DUE TO THE REMOVAL OF ANY ROOFTOP EQUIPMENT OR RELATED APPURTENANCES THEREOF, SHALL BE STRUCTURALLY PATCHED AND THE ROOFING SEALED WEATHERTIGHT. COORDINATE WITH THE GENERAL CONTRACTOR AND MAKE THE APPROPRIATE REPAIRS TO MAINTAIN THE EXISTING ROOFING SYSTEM WARRANTEE. REFER TO ARCHITECTURAL DWGS FOR ADDITIONAL INFO.
3. THE CONTRACTOR SHALL VISIT THE SITE AND ADJOINING AREAS, EXAMINE, AND BE FAMILIAR WITH ALL EXISTING CONDITIONS AND DETERMINE THE IMPACT ON THE EXECUTION OF WORK OF THIS CONTRACT. THE CONTRACTOR SHALL PERFORM THIS PRIOR TO THE SUBMISSION OF HIS PROPOSAL. SUBMISSION OF PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
4. WHERE THE PROJECT REQUIRES PHASING, IT MAY BE NECESSARY FOR CORRESPONDING PHASED DEMOLITION WORK TO BE PERFORMED. CARE MUST BE TAKEN TO INSURE ACTIVE AREAS OUTSIDE THE CURRENT DEMOLITION PHASE REMAIN UNAFFECTED BY THIS WORK WITH NOINTERRUPTION OF SERVICE(S). INCLUDE ALL NECESSARY PREMIUM TIME TO PERFORM EACH PHASE OF DEMOLITION. REFER TO THE ARCHITECTURAL DRAWINGS FOR INFORMATION THAT DEFINES THE PROJECT PHASING.
5. CONTRACTORS SHALL TAKE SPECIAL CARE TO DEMOLISH ONLY THAT WORK WHICH IS REQUIRED TO BE DEMOLISHED AND NOT TO DISTURB ANY WORK WHICH IS TO REMAIN. IF IN THE COURSE OF THE DEMOLITION, THE CONTRACTOR DESTROYS OR DISTURBS ANY WORK WHICH IS TO REMAIN, THEN HE SHALL, AT HIS OWN EXPENSE, REPAIR OR REPLACE SUCH WORK AS NECESSARY.
6. THE DEMOLITION WORK SHALL INCLUDE PROVIDING ALL MATERIALS AND LABOR FOR EXTENSIONS, CONNECTIONS, CUTTING, PATCHING, REPAIRING, ELECTRICAL WORK, AND TEMPORARY CONNECTIONS REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. NOTES AND GRAPHIC REPRESENTATION SHALL NOT LIMIT THE EXTENT OF DEMOLITION REQUIRED. EXTENT OF THE DEMOLITION WORK SHALL BE COORDINATED WITH THE ARCHITECT.
7. PRIOR TO ANY WORK BEING PERFORMED, THIS CONTRACTOR SHALL COORDINATE WITH ALL APPROPRIATE TRADES AND BUILDING MANAGEMENT TO ENSURE THAT WORK WILL BE IN HARMONY WITH OTHER WORK AND NOT AFFECT ANY EXISTING BUILDING SYSTEMS. THIS WORK MUST BE APPROVED BY BUILDING MANAGEMENT PRIOR TO PROCEEDING.
8. COORDINATE WITH GENERAL CONTRACTOR FOR REMOVAL AND/OR ALTERATION OF CEILINGS. REFER TO ARCHITECTURAL PLANS.
9. THE CONTRACTOR SHALL DOCUMENT ALL EXISTING DUCTWORK, PIPING, FEEDERS, LOW VOLTAGE CONTROL WIRING, ETC ... WHICH PASS THROUGH THE DEMOLITION SPACE SERVICING EXISTING OCCUPIED ADJOINING AREAS. ANY EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH NEW WORK SHALL BE RELOCATED AND RECONNECTED USING LIKE MATERIALS AND METHODS OF THE EXISTING SERVICE AND SHALL CONFORM TO STANDARDS OF THIS CONTRACT. THIS WORK MAY NOT BE REPRESENTED IN THE DRAWINGS, BUT SHOULD BE TAKEN INTO ACCOUNT BY THE CONTRACTOR IN HIS PROPOSAL. COORDINATE WITH BUILDING MANAGEMENT PRIOR TO ANY SHUTDOWN OR DISRUPTION OF SERVICES THAT MAY BE REQUIRED TO ACCOMPLISH THIS WORK.
10. EQUIPMENT REQUIRED TO BE TEMPORARILY DISCONNECTED AND RELOCATED SHALL BE CAREFULLY REMOVED, STORED, CLEANED, REINSTALLED, RECONNECTED AND MADE OPERATIONAL.
11. ALL NECESSARY CUTTING AND PATCHING TO ACCOMMODATE THE NEW HVAC WORK SHALL BE PERFORMED BY THIS CONTRACTOR AND COORDINATED WITH BUILDING MANAGEMENT SO AS TO MINIMIZE DISRUPTION OF EXISTING TENANTS AND SERVICES. RESTORE ALL ITEMS TO MATCH EXISTING CONDITIONS.
12. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING DUCTWORK, PIPING, CONDUITS, LOW VOLTAGE CABLING AND DEVICES TO REMAIN, WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILING AND PARTITIONS.
13. PROTECT THE INTEGRITY OF ALL ITEMS (I.E. EQUIPMENT, DUCTWORK, PIPING, FINTUBE ENCLOSURE, INSULATION, ETC...) THAT ARE INDICATED TO REMAIN. MAINTAIN THE FULL FUNTIONALITY OF ALL ITEMS THAT ARE TO REMAIN. REPLACE AND/OR REPAIR ANY DAMAGE TO THE ABOVE MENTIONED ITEMS RESULTING FROM THEIR WORK. WHERE ITEMS THAT ARE INDICATED TO REMAIN ARE NOT IN PROPER WORKING ORDER PRIOR THE THE START OF THE MC'S WORK, REPORT ANY ISSUES IMMEDIATELY TO THE ENGINEER OF RECORD AND THE OWNER'S REPRESENTATIVE. UNLESS OTHERWISE NOTED, REMOVE CONDUIT AND WIRING TO POINTS OF ORIGIN WITHIN THE DESIGNATED AREA OF CONSTRUCTION FOR ALL EXISTING EQUIPMENT TO BE REMOVED.
14. ANY DEMOLITION MATERIALS, EQUIPMENT, ETC... REQUIRED TO BE TURNED OVER TO THE OWNER SHALL BE PLACED IN A MUTUALLY ACCEPTABLE LOCATION. THE ITEMS TO BE TURNED OVER AND LOCATION FOR THEIR STORAGE SHALL BE COORDINATED WITH THE OWNER'S REP. OTHERWISE, THE DEMOLITION MATERIALS SHALL BE REMOVED FROM THE BUILDING AFTER REGULAR BUSINESS HOURS AND SHALL BE TAKEN OFF-SITE NO LATER THAN THE START OF THE NEXT BUSINESS DAY. NO DEBRIS SHALL BE ALLOWED TO ACCUMULATE ON THE SITE. THE CONSTRUCTION SITE SHALL BE SWEPT CLEAN EACH DAY AND NO DUST OR DEBRIS SHALL BE PERMITTED TO ENTER THE AREA DRAINS SERVING THE BUILDING.
15. ALL MATERIALS AND EQUIPMENT SLATED TO BE REMOVED AND IS NOT DESIGNATED TO BE TURNED OVER TO THE OWNER, SHALL BE TAKEN FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AND ENVIRONMENTAL REGULATIONS.
16. WHERE PORTIONS OF ANY EXISTING SERVICE IS TO BE DEMOLISHED, THE CONTRACTOR SHALL PROVIDE A TEMPORARY CAP TO THE EXISTING SERVICE AND MAKE SAFE ANY UNPROTECTED, EXPOSED ELECTRICAL WIRING AT POINT OF DEMOLITION. CAPS SHALL BE AIRTIGHT OR WATERTIGHT DEPENDING ON TYPE OF SERVICE.
17. DEMOLISH EXISTING THERMOSTAT AND CONTROL WIRING WHERE NEW CONTROLS ARE INDICATED TO BE INSTALLED ON THE NEW WORK PLANS. PROVIDE COVER PLATE WHERE CONTROLS HAVE BEEN DEMOLISHED.

DEMOLITION PLAN KEY NOTES:

1. ALL EXISTING HVAC SYSTEMS AND APPURTENANCES THEREOF IN THIS AREA TO REMAIN, INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, DUCTWORK, PIPING, CONTROLS, DAMPERS, WIRING, AIR TERMINALS, HANGERS, SUPPORTS, ETC. ANY SYSTEMS SERVING THESE AREAS SHALL BE MAINTAINED DURING DEMOLITION, UON.
2. EXISTING MECHANICAL EQUIPMENT / DUCTWORK / PIPING / CONTROLS TO REMAIN.
3. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ALL APPURTENANCES THEREOF, INCLUDING, BUT NOT LIMITED TO, DUCTWORK, PIPING, CONTROLS, DAMPERS, WIRING, AIR TERMINALS, HANGERS, CURBS, SUPPORTS, ETC. REMOVE ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. ROOF/WALL OPENINGS DUE TO REMOVED COMPONENTS SHALL BE SEALED. REFER TO ARCHITECTURAL DWGS FOR ADDITIONAL INFO. ANY RELATED WIRING, LOW & LINE, SHALL BE TERMINATED BACK TO THEIR SOURCE. REFER TO WORK BY DIV. 26 FOR ADDITIONAL INFO.
4. REMOVE EXISTING DUCTWORK/PIPING AS SHOWN. PROVIDE TEMPORARY CAP DURING CONSTRUCTION AT EXISTING DUCTWORK/PIPING TO REMAIN.
5. REMOVE EXISTING DUCTWORK/PIPING AS SHOWN. PROVIDE PERMANENT CAP DURING CONSTRUCTION AT EXISTING DUCTWORK/PIPING TO REMAIN.
6. EXISTING MECHANICAL EQUIPMENT TO BE SHUT OFF AND ABANDONED IN PLACE.
7. EXISTING EXHAUST FAN AND CURB TO BE REMOVED AND STORED FOR REINSTALLATION IN NEW WORK PHASE. PATCH AND WATERTIGHT SEAL EXISTING ROOF PENETRATION. REFER TO ARCHITECTURAL DWGS FOR ADDITIONAL INFO.

KEY PLAN



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REVISIONS

NO	DATE	DESCRIPTION

Designed:	PRA
Drawn:	PRA
Reviewed:	JVRF
Project No.:	2300053
Date:	9/29/2023

Issued for:
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Title:
OVERALL FIRST FLOOR MECHANICAL DEMOLITION PLAN

Sheet No.
MD101.1

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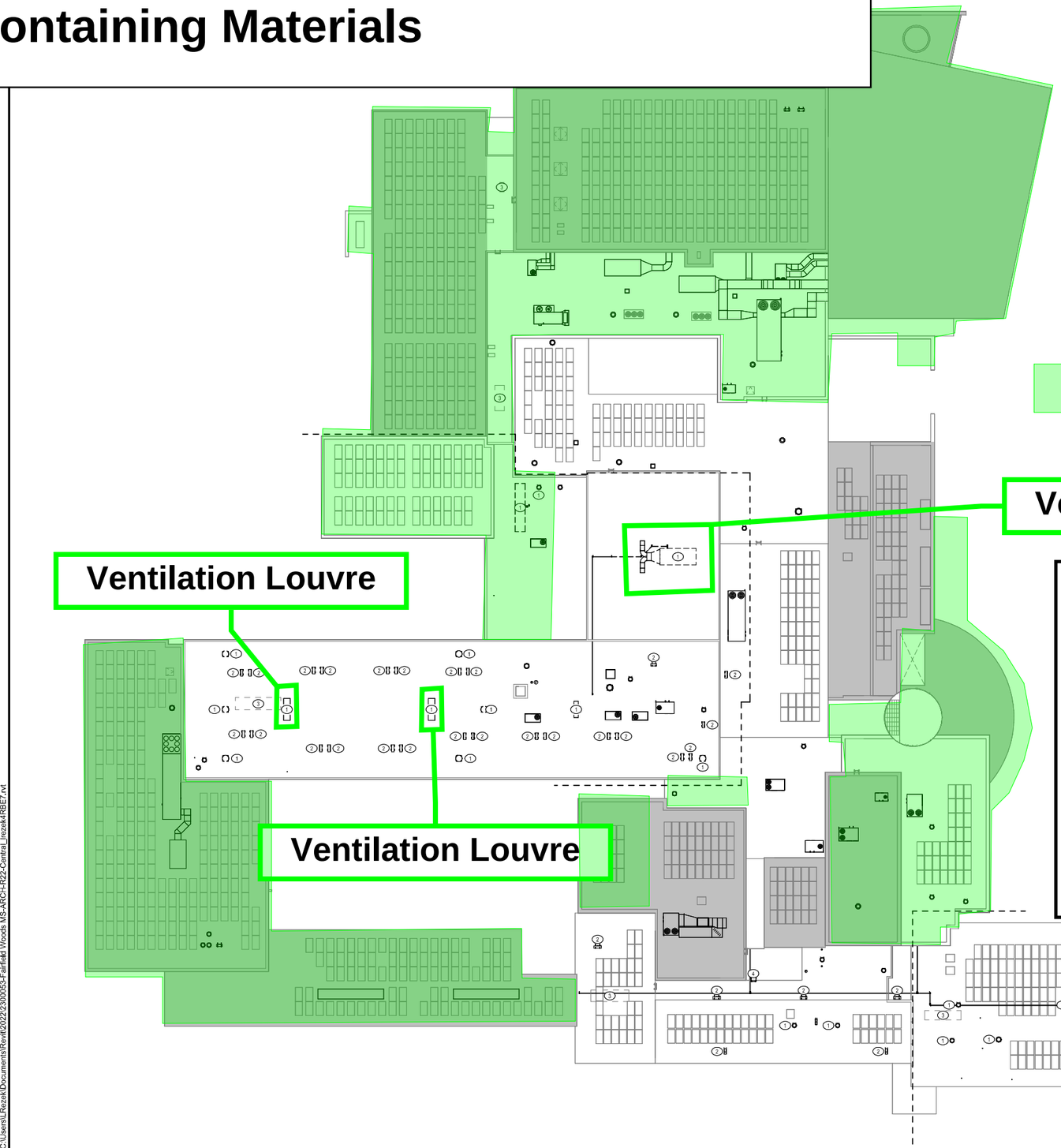
Appendix C - Summary of Observed Suspect PCB-Containing Materials



DEMOLITION PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL, INCLUDING ALL COSTS FOR CARRYING AND DUMPING, OF ALL MATERIAL DEMOLISHED FROM THE PROJECT. THE CONTRACTOR SHALL PROVIDE OWNER WITH FIRST RIGHTS TO ALL MATERIALS, INCLUDING DOORS, HARDWARE, WINDOWS, PLUMBING FIXTURES, ETC., BEFORE REMOVING FROM SITE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND REPAIR ALL EXISTING, TO REMAIN AREAS AND SURFACES AS NOTED AND OR SHOWN. THIS INCLUDES ALL WORK NECESSARY TO READY SURFACES FOR NEW FINISH (N.I.C.) TO FOLLOW IN CONSTRUCTION PHASE. MATCH ALL ADJACENT MATERIALS WHERE PATCHING OCCURS.
3. ANY AND ALL PLUMBING FIXTURES/ACCESSORIES SHOWN DASHED ARE TO BE REMOVED AND DISCARDED. UNLESS OTHERWISE NOTED, ANY RELATED PIPING WHICH IS BEING ABANDONED SHALL BE REMOVED AND CAPPED TO NEAREST TERMINATION POINT. ALL RELATED WORK REQUIRED IN ADJACENT WALLS, FLOORS BELOW, FLOORS ABOVE OR ON THE EFFECTED FLOOR ITSELF SHALL BE PATCHED AND PREPPED FOR NEW FINISH.
4. ALL WALLS SHOWN DASHED ARE TO BE REMOVED AND DISCARDED, UNLESS OTHERWISE NOTED, ANY WALL OR SURFACE BEING WORKED ON SHALL BE PATCHED AND REPAIRED WITH A COMPLETE FINISH TO THE NEAREST CORNER, CHANGE OF PLANE OR OTHER JUNCTURE WHICH ALLOWS FOR A SMOOTH AND CLEAN TRANSITION FROM THE NEWLY FINISHED SURFACE TO THE SURROUNDING EXISTING SURFACES (THE INTENT IS TO AVOID THE APPEARANCE OF A PATCHED CONDITION).
5. IT IS NOT THE INTENT TO SHOW EVERY PIECE OR ITEM TO BE REMOVED IN DEMOLITION WORK. MECHANICAL, ELECTRICAL AND OR OTHER WORK RELATED TO A WALL OR AREA SCHEDULED FOR DEMOLITION AND REMOVAL SHALL BE PERFORMED WHETHER SO NOTED OR NOT. PROTECT ALL ITEMS INTENDED FOR SALVAGE AND REUSE OR SCHEDULED TO REMAIN.
6. WHEN WALLS, COLUMNS, ROOF CONSTRUCTION, OR OTHER SUPPORTING AND / OR BRACING ELEMENTS ARE SCHEDULED FOR DEMOLITION, TEMPORARY STRUCTURAL SUPPORTS AND BRACING FOR THE ADJACENT CONSTRUCTION SHALL BE PROVIDED AND MAINTAINED UNTIL THE PERMANENT STRUCTURES ARE IN PLACE AND ABLE TO SUPPORT THE IMPOSED LOADS.
7. PRESERVE AND PROTECT ALL FLOOR, WALL, AND CEILING FINISHES TO REMAIN WHERE POSSIBLE IN AREAS OF DEMOLITION. PATCH TO MATCH AS REQUIRED.
8. REPAIR ALL REMAINING WALLS, CEILINGS AND FLOOR SURFACES WHERE DEMOLITION OCCURS. THIS INCLUDES MEP AND OTHER NECESSARY WORK IN CEILINGS AND WALLS AT FLOOR BELOW. SEE MEP DRAWINGS FOR PROBABLE EXTENT.
9. ALL EQUIPMENT OR FURNITURE SHOWN DASHED IS TO BE REMOVED AND STOCKPILED FOR OWNER REUSE OR STORAGE. SEE PROPOSED PLANS AND VERIFY WITH OWNER FOR ANY LAST MINUTE CHANGES.
10. REFER TO MEP PLANS AND OR SPECS FOR SCOPE OF ALL MEP DEMOLITION.
11. ALL DOORS AND WINDOWS SHOWN DASHED ARE TO BE REMOVED AND DISCARDED, INCLUDING FRAMES AND HARDWARE EXCEPT WHERE NOTED OTHERWISE.

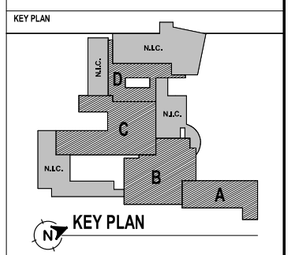
DEMOLITION LEGEND

EXISTING WALL
EXISTING WALL TO BE REMOVED
EXISTING DOOR
EXISTING DOOR TO BE REMOVED
NOT IN SCOPE
EXISTING CEILING TO BE REMOVED

Notes:
1. Caulking on ventilation louver frames to facade joints identified as suspect PCB-containing building material.
2. Paint on structural steel components and metal roof decking observed in overhead areas throughout the building; materials identified as suspect PCB-containing building material based on the date of construction.

1 OVERALL ROOF PLAN
1" = 20'-0"

KEY PLAN



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REVISIONS
NO DATE DESCRIPTION

Designed: CN
Drawn: WG
Reviewed: JJ
Project No.: 23300353
Date: 09/29/2023
Issued for:
95% CONSTRUCTION DOCUMENTS

Title:
OVERALL ROOF DEMOLITION PLAN

Sheet No.
AD102.3

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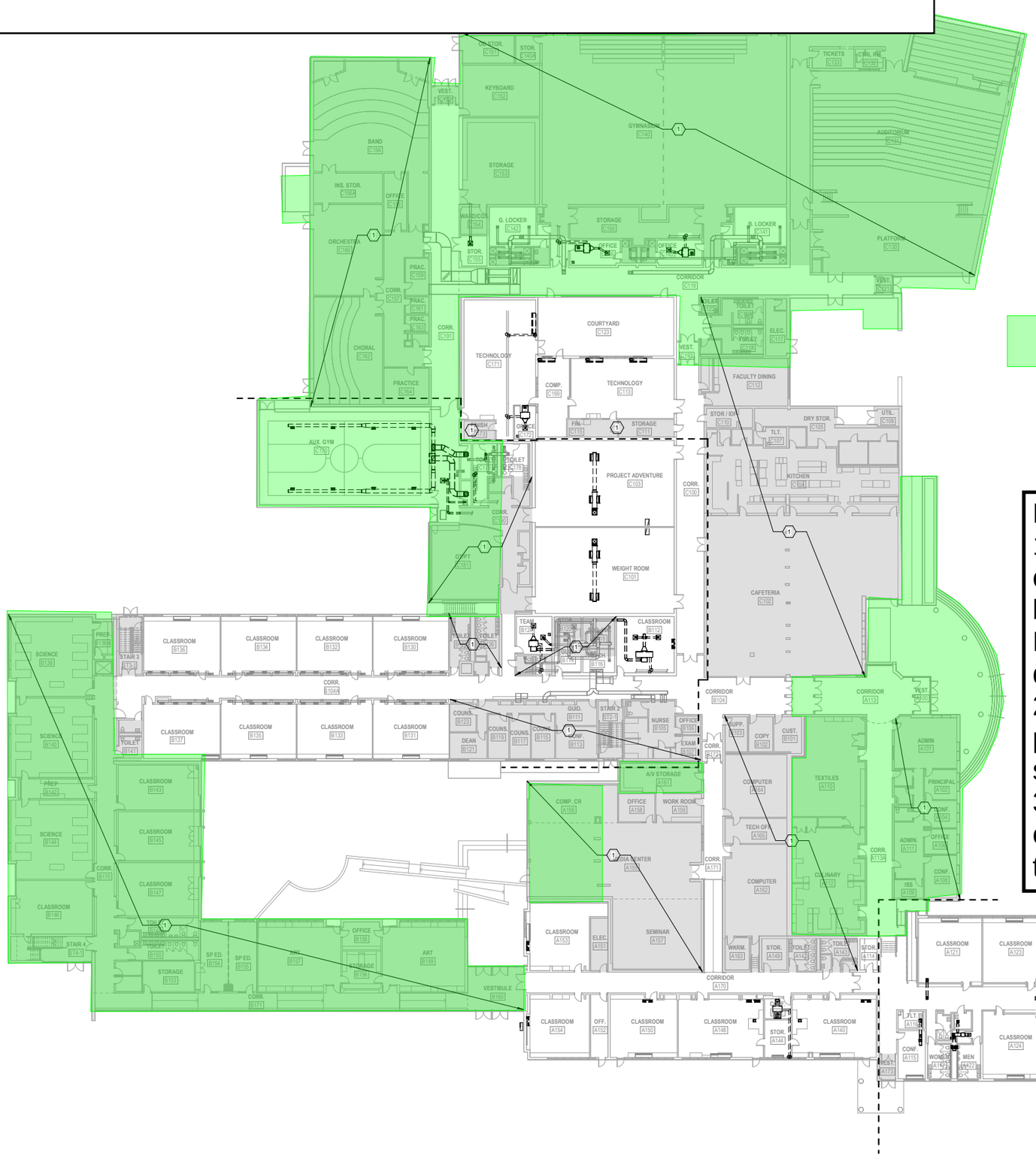
Appendix C - Summary of Observed Suspect PCB-Containing Materials

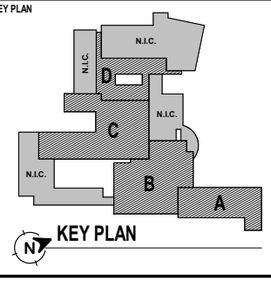


DEMOLITION PLAN GENERAL NOTES:

1. THE CONTRACTOR SHALL REMOVE ALL HVAC ITEMS AS INDICATED INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: EQUIPMENT, LOW & LINE VOLTAGE WIRING, PIPING, DUCTWORK, GAS VENTS, SPECIALTIES & ACCESSORIES, HANGERS, REGISTERS, GRILLES & DIFFUSERS, CONTROL COMPONENTS, ETC... ALL WIRING SHALL BE TERMINATED BACK TO THEIR SOURCE AND ANY GAS BRANCH PIPING SHALL BE CAPPED BACK TO THE NEAREST MAIN. REFER TO WORK BY DIV. 22 & 26 FOR ANY ADDITIONAL INFORMATION.
2. ANY ROOF OPENINGS DUE TO THE REMOVAL OF ANY ROOFTOP EQUIPMENT OR RELATED APPURTENANCES THEREOF, SHALL BE STRUCTURALLY PATCHED AND THE ROOFING SEALED WEATHERTIGHT. COORDINATE WITH THE GENERAL CONTRACTOR AND MAKE THE APPROPRIATE REPAIRS TO MAINTAIN THE EXISTING ROOFING SYSTEM WARRANTEE. REFER TO ARCHITECTURAL DWGS FOR ADDITIONAL INFO.
3. THE CONTRACTOR SHALL VISIT THE SITE AND ADJOINING AREAS, EXAMINE, AND BE FAMILIAR WITH ALL EXISTING CONDITIONS AND DETERMINE THE IMPACT ON THE EXECUTION OF WORK OF THIS CONTRACT. THE CONTRACTOR SHALL PERFORM THIS PRIOR TO THE SUBMISSION OF HIS PROPOSAL. SUBMISSION OF PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
4. WHERE THE PROJECT REQUIRES PHASING, IT MAY BE NECESSARY FOR CORRESPONDING PHASED DEMOLITION WORK TO BE PERFORMED. CARE MUST BE TAKEN TO INSURE ACTIVE AREAS OUTSIDE THE CURRENT DEMOLITION PHASE REMAIN UNAFFECTED BY THIS WORK WITH NOINTERRUPTION OF SERVICE(S). INCLUDE ALL NECESSARY PREMIUM TIME TO PERFORM EACH PHASE OF DEMOLITION. REFER TO THE ARCHITECTURAL DRAWINGS FOR INFORMATION THAT DEFINES THE PROJECT PHASING.
5. CONTRACTORS SHALL TAKE SPECIAL CARE TO DEMOLISH ONLY THAT WORK WHICH IS REQUIRED TO BE DEMOLISHED AND NOT TO DISTURB ANY WORK WHICH IS TO REMAIN. IF IN THE COURSE OF THE DEMOLITION, THE CONTRACTOR DESTROYS OR DISTURBS ANY WORK WHICH IS TO REMAIN, THEN HE SHALL, AT HIS OWN EXPENSE, REPAIR OR REPLACE SUCH WORK AS NECESSARY.
6. THE DEMOLITION WORK SHALL INCLUDE PROVIDING ALL MATERIALS AND LABOR FOR EXTENSIONS, CONNECTIONS, CUTTING, PATCHING, REPAIRING, ELECTRICAL WORK, AND TEMPORARY CONNECTIONS REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. NOTES AND GRAPHIC REPRESENTATION SHALL NOT LIMIT THE EXTENT OF DEMOLITION REQUIRED. EXTENT OF THE DEMOLITION WORK SHALL BE COORDINATED WITH THE ARCHITECT.
7. PRIOR TO ANY WORK BEING PERFORMED, THIS CONTRACTOR SHALL COORDINATE WITH ALL APPROPRIATE TRADES AND BUILDING MANAGEMENT TO ENSURE THAT WORK WILL BE IN HARMONY WITH OTHER WORK AND NOT AFFECT ANY EXISTING BUILDING SYSTEMS. THIS WORK MUST BE APPROVED BY BUILDING MANAGEMENT PRIOR TO PROCEEDING.
8. COORDINATE WITH GENERAL CONTRACTOR FOR REMOVAL AND/OR ALTERATION OF CEILINGS. REFER TO ARCHITECTURAL PLANS.
9. THE CONTRACTOR SHALL DOCUMENT ALL EXISTING DUCTWORK, PIPING, FEEDERS, LOW VOLTAGE CONTROL WIRING, ETC... WHICH PASS THROUGH THE DEMOLITION SPACE SERVICING EXISTING OCCUPIED ADJOINING AREAS. ANY EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH NEW WORK SHALL BE RELOCATED AND RECONNECTED USING LIKE MATERIALS AND METHODS OF THE EXISTING SERVICE AND SHALL CONFORM TO STANDARDS OF THIS CONTRACT. THIS WORK MAY NOT BE REPRESENTED IN THE DRAWINGS, BUT SHOULD BE TAKEN INTO ACCOUNT BY THE CONTRACTOR IN HIS PROPOSAL. COORDINATE WITH BUILDING MANAGEMENT PRIOR TO ANY SHUTDOWN OR DISRUPTION OF SERVICES THAT MAY BE REQUIRED TO ACCOMPLISH THIS WORK.
10. EQUIPMENT REQUIRED TO BE TEMPORARILY DISCONNECTED AND RELOCATED SHALL BE CAREFULLY REMOVED, STORED, CLEANED, REINSTALLED, RECONNECTED AND MADE OPERATIONAL.
11. ALL NECESSARY CUTTING AND PATCHING TO ACCOMMODATE THE NEW HVAC WORK SHALL BE PERFORMED BY THIS CONTRACTOR AND COORDINATED WITH BUILDING MANAGEMENT SO AS TO MINIMIZE DISRUPTION OF EXISTING TENANTS AND SERVICES. RESTORE ALL ITEMS TO MATCH EXISTING CONDITIONS.
12. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING DUCTWORK, PIPING, CONDUITS, LOW VOLTAGE CABLING AND DEVICES TO REMAIN, WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILING AND PARTITIONS.
13. PROTECT THE INTEGRITY OF ALL ITEMS (I.E. EQUIPMENT, DUCTWORK, PIPING, FINTUBE ENCLOSURE, INSULATION, ETC...) THAT ARE INDICATED TO REMAIN. MAINTAIN THE FULL FUNTIONALITY OF ALL ITEMS THAT ARE TO REMAIN. REPLACE AND/OR REPAIR ANY DAMAGE TO THE ABOVE MENTIONED ITEMS RESULTING FROM THEIR WORK. WHERE ITEMS THAT ARE INDICATED TO REMAIN ARE NOT IN PROPER WORKING ORDER PRIOR THE THE START OF THE MC'S WORK, REPORT ANY ISSUES IMMEDIATELY TO THE ENGINEER OF RECORD AND THE OWNER'S REPRESENTATIVE. UNLESS OTHERWISE NOTED, REMOVE CONDUIT AND WIRING TO POINTS OF ORIGIN WITHIN THE DESIGNATED AREA OF CONSTRUCTION FOR ALL EXISTING EQUIPMENT TO BE REMOVED.
14. ANY DEMOLITION MATERIALS, EQUIPMENT, ETC... REQUIRED TO BE TURNED OVER TO THE OWNER SHALL BE PLACED IN A MUTUALLY ACCEPTABLE LOCATION. THE ITEMS TO BE TURNED OVER AND LOCATION FOR THEIR STORAGE SHALL BE COORDINATED

Notes:
1. Painted CMU block walls present in hallways, classrooms, and other areas throughout the building; paint identified as suspect PCB-containing building material based on the date of construction.
2. Painted structural steel and decking materials present throughout the building; paint identified as suspect PCB-containing building material.
3. Suspect PCB-containing ductwork sealant observed on metal to metal joints of ducts throughout the area.

KEY PLAN



1 OVERALL FIRST FLOOR MECHANICAL DUCTWORK PLAN Copy 1
1" = 20'-0"
0 10' 20' 40'
Scale: 1" = 20'-0"

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REVISIONS

NO	DATE	DESCRIPTION

Designed: PRA
Drawn: PRA
Reviewed: JV/RF
Project No.: 2300053
Date: 9/29/2023
Issued for: 95% CONSTRUCTION DOCUMENTS

Title: OVERALL FIRST FLOOR MECHANICAL DEMOLITION PLAN

Sheet No.: MD101.1

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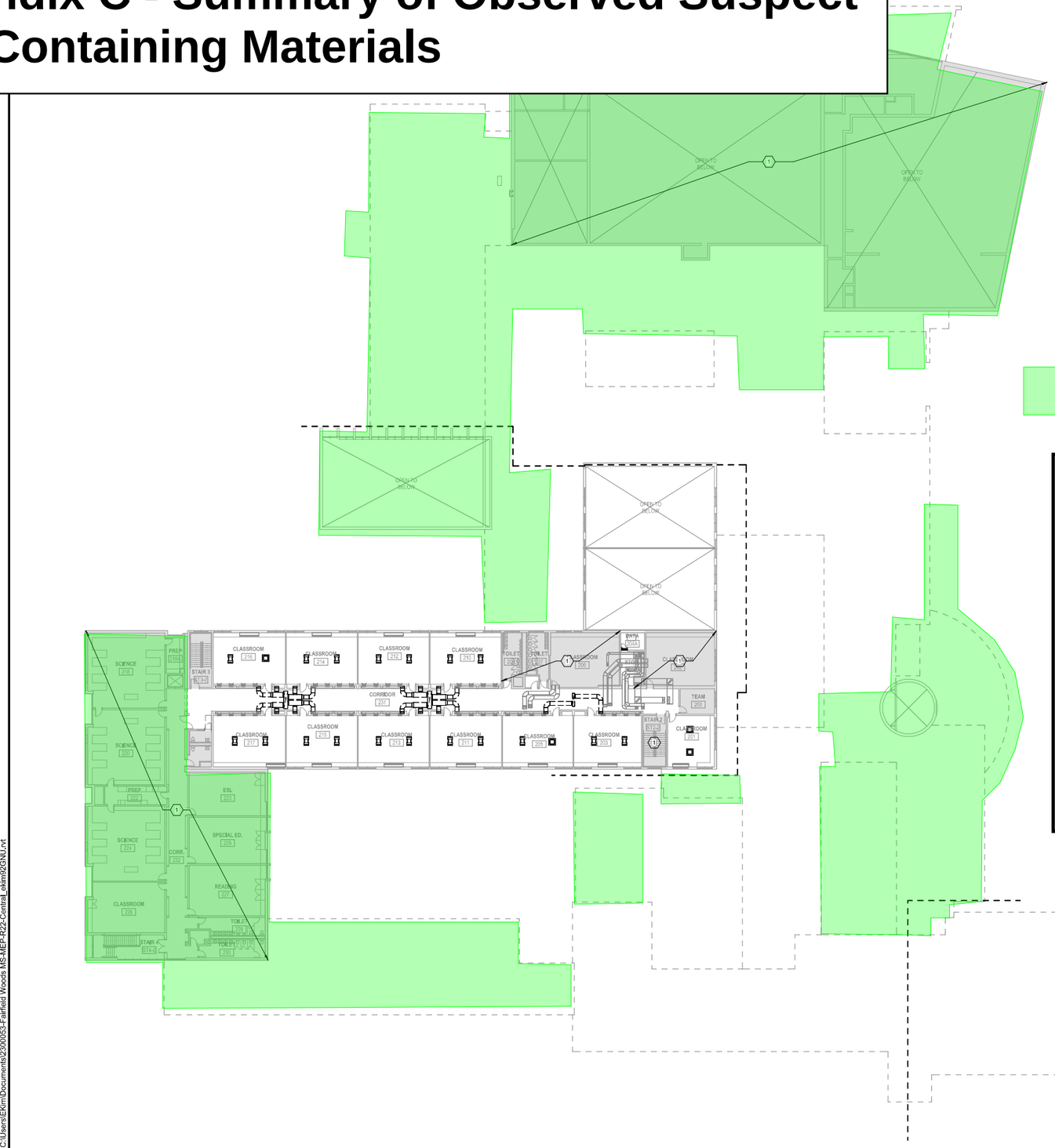
Appendix C - Summary of Observed Suspect PCB-Containing Materials



Post-1980 Construction Dates

Notes:
1. Painted CMU block walls present in hallways, classrooms, and other areas throughout the building; paint identified as suspect PCB-containing building material based on the date of construction.
2. Painted structural steel and decking materials present throughout the building; paint identified as suspect PCB-containing building material.
3. Suspect PCB-containing ductwork sealant observed on metal to metal joints of ducts throughout the area.

1 OVERALL SECOND FLOOR MECHANICAL DEMOLITION PLAN
1" = 20'-0"
0 10' 20' 40'
Scale: 1" = 20'-0"

DEMOLITION PLAN GENERAL NOTES:

1. THE CONTRACTOR SHALL REMOVE ALL HVAC ITEMS AS INDICATED INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: EQUIPMENT, LOW & LINE VOLTAGE WIRING, PIPING, DUCTWORK, GAS VENTS, SPECIALTIES & ACCESSORIES, HANGERS, REGISTERS, GRILLES & DIFFUSERS, CONTROL COMPONENTS, ETC... ALL WIRING SHALL BE TERMINATED BACK TO THEIR SOURCE AND ANY GAS BRANCH PIPING SHALL BE CAPPED BACK TO THE NEAREST MAIN. REFER TO WORK BY DIV. 22 & 26 FOR ANY ADDITIONAL INFORMATION.
2. ANY ROOF OPENINGS DUE TO THE REMOVAL OF ANY ROOFTOP EQUIPMENT OR RELATED APPURTENANCES THEREOF, SHALL BE STRUCTURALLY PATCHED AND THE ROOFING SEALED WEATHERTIGHT. COORDINATE WITH THE GENERAL CONTRACTOR AND MAKE THE APPROPRIATE REPAIRS TO MAINTAIN THE EXISTING ROOFING SYSTEM WARRANTEE. REFER TO ARCHITECTURAL DWGS FOR ADDITIONAL INFO.
3. THE CONTRACTOR SHALL VISIT THE SITE AND ADJOINING AREAS, EXAMINE, AND BE FAMILIAR WITH ALL EXISTING CONDITIONS AND DETERMINE THE IMPACT ON THE EXECUTION OF WORK OF THIS CONTRACT. THE CONTRACTOR SHALL PERFORM THIS PRIOR TO THE SUBMISSION OF HIS PROPOSAL. SUBMISSION OF PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
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5. CONTRACTORS SHALL TAKE SPECIAL CARE TO DEMOLISH ONLY THAT WORK WHICH IS REQUIRED TO BE DEMOLISHED AND NOT TO DISTURB ANY WORK WHICH IS TO REMAIN. IF IN THE COURSE OF THE DEMOLITION, THE CONTRACTOR DESTROYS OR DISTURBS ANY WORK WHICH IS TO REMAIN, THEN HE SHALL, AT HIS OWN EXPENSE, REPAIR OR REPLACE SUCH WORK AS NECESSARY.
6. THE DEMOLITION WORK SHALL INCLUDE PROVIDING ALL MATERIALS AND LABOR FOR, EXTENSIONS, CONNECTIONS, CUTTING, PATCHING, REPAIRING, ELECTRICAL WORK, AND TEMPORARY CONNECTIONS REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. NOTES AND GRAPHIC REPRESENTATION SHALL NOT LIMIT THE EXTENT OF DEMOLITION REQUIRED. EXTENT OF THE DEMOLITION WORK SHALL BE COORDINATED WITH THE ARCHITECT.
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8. COORDINATE WITH GENERAL CONTRACTOR FOR REMOVAL AND/OR ALTERATION OF CEILINGS. REFER TO ARCHITECTURAL PLANS.
9. THE CONTRACTOR SHALL DOCUMENT ALL EXISTING DUCTWORK, PIPING, FEEDERS, LOW VOLTAGE CONTROL WIRING, ETC.,.. WHICH PASS THROUGH THE DEMOLITION SPACE SERVICING EXISTING OCCUPIED ADJOINING AREAS. ANY EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH NEW WORK SHALL BE RELOCATED AND RECONNECTED USING LIKE MATERIALS AND METHODS OF THE EXISTING SERVICE AND SHALL CONFORM TO STANDARDS OF THIS CONTRACT. THIS WORK MAY NOT BE REPRESENTED IN THE DRAWINGS, BUT SHOULD BE TAKEN INTO ACCOUNT BY THE CONTRACTOR IN HIS PROPOSAL. COORDINATE WITH BUILDING MANAGEMENT PRIOR TO ANY SHUTDOWN OR DISRUPTION OF SERVICES THAT MAY BE REQUIRED TO ACCOMPLISH THIS WORK.
10. EQUIPMENT REQUIRED TO BE TEMPORARILY DISCONNECTED AND RELOCATED SHALL BE CAREFULLY REMOVED, STORED, CLEANED, REINSTALLED, RECONNECTED AND MADE OPERATIONAL.
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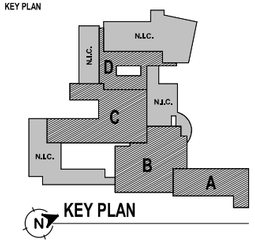
12. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING DUCTWORK, PIPING, CONDUITS, LOW VOLTAGE CABLING AND DEVICES TO REMAIN, WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILING AND PARTITIONS.
13. PROTECT THE INTEGRITY OF ALL ITEMS (IE. EQUIPMENT, DUCTWORK, PIPING, FINTUBE ENCLOSURE, INSULATION, ETC.,.) THAT ARE INDICATED TO REMAIN. MAINTAIN THE FULL FUNTIONALITY OF ALL ITEMS THAT ARE TO REMAIN. REPLACE AND/OR REPAIR ANY DAMAGE TO THE ABOVE MENTIONED ITEMS RESULTING FROM

KEY PLAN



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REVISIONS

NO	DATE	DESCRIPTION

Designed:	PSA
Drawn:	PSA
Reviewed:	JV/RF
Project No.:	2300353
Date:	9/29/2023

Issued for:
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Title:
OVERALL SECOND FLOOR MECHANICAL DEMOLITION PLAN

Sheet No.
MD101.2

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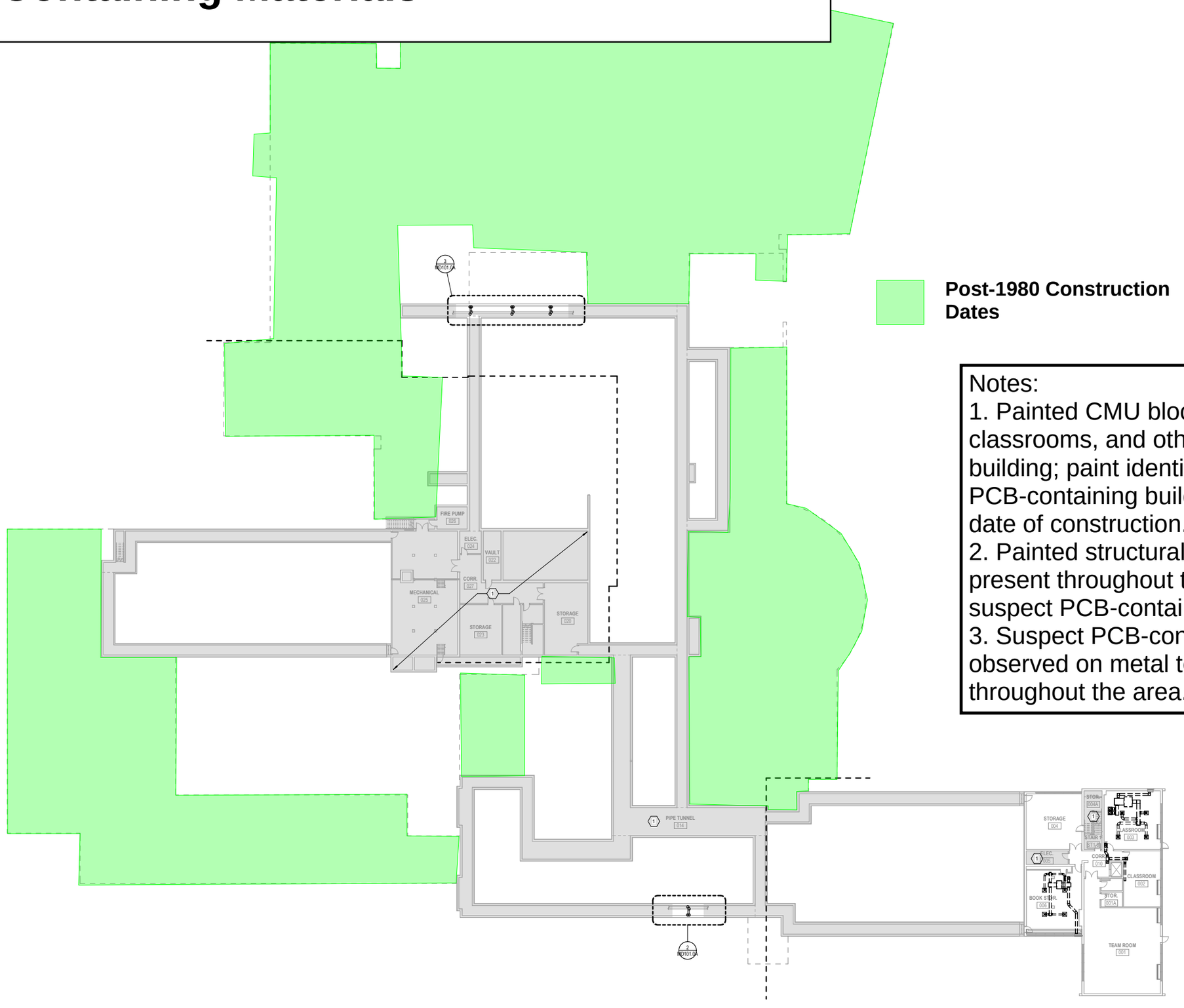
Appendix C - Summary of Observed Suspect PCB-Containing Materials



Post-1980 Construction Dates

Notes:
1. Painted CMU block walls present in hallways, classrooms, and other areas throughout the building; paint identified as suspect PCB-containing building material based on the date of construction.
2. Painted structural steel and decking materials present throughout the building; paint identified as suspect PCB-containing building material.
3. Suspect PCB-containing ductwork sealant observed on metal to metal joints of ducts throughout the area.

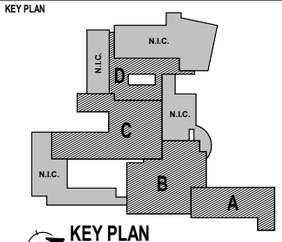
1 OVERALL BASEMENT MECHANICAL DEMOLITION PLAN
1" = 20'-0"

0 10' 20' 40'
Scale: 1" = 20'-0"

DEMOLITION PLAN GENERAL NOTES:

1. THE CONTRACTOR SHALL REMOVE ALL HVAC ITEMS AS INDICATED INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: EQUIPMENT, LOW & LINE VOLTAGE WIRING, PIPING, DUCTWORK, GAS VENTS, SPECIALTIES & ACCESSORIES, HANGERS, REGISTERS, GRILLES & DIFFUSERS, CONTROL COMPONENTS, ETC... ALL WIRING SHALL BE TERMINATED BACK TO THEIR SOURCE AND ANY GAS BRANCH PIPING SHALL BE CAPPED BACK TO THE NEAREST MAIN. REFER TO WORK BY DIV. 22 & 26 FOR ANY ADDITIONAL INFORMATION.
2. ANY ROOF OPENINGS DUE TO THE REMOVAL OF ANY ROOFTOP EQUIPMENT OR RELATED APPURTENANCES THEREOF, SHALL BE STRUCTURALLY PATCHED AND THE ROOFING SEALED WEATHERTIGHT. COORDINATE WITH THE GENERAL CONTRACTOR AND MAKE THE APPROPRIATE REPAIRS TO MAINTAIN THE EXISTING ROOFING SYSTEM WARRANTEE. REFER TO ARCHITECTURAL DWGS FOR ADDITIONAL INFO.
3. THE CONTRACTOR SHALL VISIT THE SITE AND ADJOINING AREAS, EXAMINE, AND BE FAMILIAR WITH ALL EXISTING CONDITIONS AND DETERMINE THE IMPACT ON THE EXECUTION OF WORK OF THIS CONTRACT. THE CONTRACTOR SHALL PERFORM THIS PRIOR TO THE SUBMISSION OF HIS PROPOSAL. SUBMISSION OF PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
4. WHERE THE PROJECT REQUIRES PHASING, IT MAY BE NECESSARY FOR CORRESPONDING PHASED DEMOLITION WORK TO BE PERFORMED. CARE MUST BE TAKEN TO INSURE ACTIVE AREAS OUTSIDE THE CURRENT DEMOLITION PHASE REMAIN UNAFFECTED BY THIS WORK WITH NO INTERRUPTION OF SERVICE(S). INCLUDE ALL NECESSARY PREMIUM TIME TO PERFORM EACH PHASE OF DEMOLITION. REFER TO THE ARCHITECTURAL DRAWINGS FOR INFORMATION THAT DEFINES THE PROJECT PHASING.
5. CONTRACTORS SHALL TAKE SPECIAL CARE TO DEMOLISH ONLY THAT WORK WHICH IS REQUIRED TO BE DEMOLISHED AND NOT TO DISTURB ANY WORK WHICH IS TO REMAIN. IF IN THE COURSE OF THE DEMOLITION, THE CONTRACTOR DESTROYS OR DISTURBS ANY WORK WHICH IS TO REMAIN, THEN HE SHALL, AT HIS OWN EXPENSE, REPAIR OR REPLACE SUCH WORK AS NECESSARY.
6. THE DEMOLITION WORK SHALL INCLUDE PROVIDING ALL MATERIALS AND LABOR FOR: EXTENSIONS, CONNECTIONS, CUTTING, PATCHING, REPAIRING, ELECTRICAL WORK, AND TEMPORARY CONNECTIONS REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. NOTES AND GRAPHIC REPRESENTATION SHALL NOT LIMIT THE EXTENT OF DEMOLITION REQUIRED. EXTENT OF THE DEMOLITION WORK SHALL BE COORDINATED WITH THE ARCHITECT.
7. PRIOR TO ANY WORK BEING PERFORMED, THIS CONTRACTOR SHALL COORDINATE WITH ALL APPROPRIATE TRADES AND BUILDING MANAGEMENT TO ENSURE THAT WORK WILL BE IN HARMONY WITH OTHER WORK AND NOT AFFECT ANY EXISTING BUILDING SYSTEMS. THIS WORK MUST BE APPROVED BY BUILDING MANAGEMENT PRIOR TO PROCEEDING.
8. COORDINATE WITH GENERAL CONTRACTOR FOR REMOVAL AND/OR ALTERATION OF CEILINGS. REFER TO ARCHITECTURAL PLANS.
9. THE CONTRACTOR SHALL DOCUMENT ALL EXISTING DUCTWORK, PIPING, FEEDERS, LOW VOLTAGE CONTROL WIRING, ETC... WHICH PASS THROUGH THE DEMOLITION SPACE SERVICING EXISTING OCCUPIED ADJOINING AREAS. ANY EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH NEW WORK SHALL BE RELOCATED AND RECONNECTED USING LIKE MATERIALS AND METHODS OF THE EXISTING SERVICE AND SHALL CONFORM TO STANDARDS OF THIS CONTRACT. THIS WORK MAY NOT BE REPRESENTED IN THE DRAWINGS, BUT SHOULD BE TAKEN INTO ACCOUNT BY THE CONTRACTOR IN HIS PROPOSAL. COORDINATE WITH BUILDING MANAGEMENT PRIOR TO ANY SHUTDOWN OR DISRUPTION OF SERVICES THAT MAY BE REQUIRED TO ACCOMPLISH THIS WORK.
10. EQUIPMENT REQUIRED TO BE TEMPORARILY DISCONNECTED AND RELOCATED SHALL BE CAREFULLY REMOVED, STORED, CLEANED, REINSTALLED, RECONNECTED AND MADE OPERATIONAL
11. ALL NECESSARY CUTTING AND PATCHING TO ACCOMMODATE THE NEW HVAC WORK SHALL BE PERFORMED BY THIS CONTRACTOR AND COORDINATED WITH BUILDING MANAGEMENT SO AS TO MINIMIZE DISRUPTION OF EXISTING TENANTS AND SERVICES. RESTORE ALL ITEMS TO MATCH EXISTING CONDITIONS.
12. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING DUCTWORK, PIPING, CONDUITS, LOW VOLTAGE CABLING AND DEVICES TO REMAIN, WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILING AND PARTITIONS.
13. PROTECT THE INTEGRITY OF ALL ITEMS (I.E. EQUIPMENT, DUCTWORK, PIPING, FINTUBE ENCLOSURE, INSULATION, ETC...) THAT ARE INDICATED TO REMAIN. MAINTAIN THE FULL FUNTIONALITY OF ALL ITEMS THAT ARE TO REMAIN. REPLACE AND/OR REPAIR ANY DAMAGE TO THE ABOVE MENTIONED ITEMS RESULTING FROM

KEY PLAN



KEY PLAN

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REVISIONS

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Title:
OVERALL BASEMENT MECHANICAL DEMOLITION PLAN

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